

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081618\
 Data File : VF059972.D
 Acq On : 16 Aug 2018 21:03
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 8/17/2018 11:24:25 AM

Quant Time: Aug 17 04:59:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 04:39:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	121407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	176570	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	186762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	134174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	199867	90.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.72%	
35) Dibromofluoromethane	4.30	113	132483	73.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.68%	
50) Toluene-d8	7.72	98	289379	74.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.22%	
62) 4-Bromofluorobenzene	11.51	95	183096	82.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	153663	83.81	ug/l	98
3) Chloromethane	1.07	50	66662	85.25	ug/l	98
4) Vinyl Chloride	1.12	62	89381	96.56	ug/l	97
5) Bromomethane	1.32	94	81183	96.94	ug/l	96
6) Chloroethane	1.39	64	46474	79.37	ug/l	98
7) Trichlorofluoromethane	1.47	101	192426	73.17	ug/l	98
8) Diethyl Ether	1.70	74	47665	120.91	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.85	101	122531	90.00	ug/l	98
10) Methyl Iodide	1.92	142	163862	80.61	ug/l	95
11) Tert butyl alcohol	2.70	59	77450	758.30	ug/l	97
12) 1,1-Dichloroethene	1.82	96	87118	88.77	ug/l	99
13) Acrolein	2.09	56	39434	743.64	ug/l	95
14) Allyl chloride	2.19	41	141291	96.53	ug/l	99
15) Acrylonitrile	3.07	53	122884	776.79	ug/l	95
16) Acetone	2.34	43	338995	666.55	ug/l	98
17) Carbon Disulfide	1.83	76	263154	99.31	ug/l	100
18) Methyl Acetate	2.45	43	125954	159.10	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	320855	106.38	ug/l	98
20) Methylene Chloride	2.27	84	95075	83.22	ug/l	90
21) trans-1,2-Dichloroethene	2.41	96	86737	89.09	ug/l	90
22) Diisopropyl ether	2.93	45	328865	97.70	ug/l	97
23) Vinyl Acetate	3.33	43	797274	491.20	ug/l	100
24) 1,1-Dichloroethane	3.00	63	211125	89.80	ug/l	98
25) 2-Butanone	4.51	43	279163	584.30	ug/l	100
26) 2,2-Dichloropropane	3.75	77	203624	124.32	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	86151	82.50	ug/l	95
28) Bromochloromethane	3.89	49	61436	74.49	ug/l	93
29) Tetrahydrofuran	4.26	42	106231	633.14	ug/l	98
30) Chloroform	4.04	83	245326	79.14	ug/l	99
31) Cyclohexane	3.85	56	90412	81.55	ug/l	94
32) 1,1,1-Trichloroethane	4.28	97	233150	88.94	ug/l	95
36) 1,1-Dichloropropene	4.45	75	139689	71.42	ug/l	99
37) Ethyl Acetate	4.30	43	112675	118.02	ug/l	87
38) Carbon Tetrachloride	4.17	117	204502	64.40	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	102057	71.92	ug/l	96
40) Benzene	4.81	78	236823	72.04	ug/l	97
41) Methacrylonitrile	4.93	41	53815	118.42	ug/l	93
42) 1,2-Dichloroethane	5.11	62	237733	87.90	ug/l	98
43) Isopropyl Acetate	7.11	43	132506	127.08	ug/l #	95
44) Trichloroethene	5.68	130	91714	71.96	ug/l	93
45) 1,2-Dichloropropane	6.40	63	73096	81.96	ug/l	100
46) Dibromomethane	6.26	93	85837	94.98	ug/l	98
47) Bromodichloromethane	6.55	83	207647	81.86	ug/l	97
48) Methyl methacrylate	6.88	41	94012	122.75	ug/l	96
49) 1,4-Dioxane	6.87	88	18433	2981.86	ug/l	93
51) 4-Methyl-2-Pentanone	8.41	43	578626	584.10	ug/l	99
52) Toluene	7.78	92	180271	73.24	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	176380	83.75	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	174123	87.37	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	86249	96.84	ug/l	97
56) Ethyl methacrylate	8.76	69	112025	112.48	ug/l	97
57) 1,3-Dichloropropane	9.01	76	156681	96.03	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.77	63	44868	369.70	ug/l	100
59) 2-Hexanone	9.64	43	475107	638.05	ug/l	95
60) Dibromochloromethane	8.87	129	160954	93.09	ug/l	98
61) 1,2-Dibromoethane	9.14	107	118961	105.55	ug/l	99
64) Tetrachloroethene	8.31	164	103136	71.11	ug/l	98
65) Chlorobenzene	9.94	112	263662	73.16	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	125942	72.45	ug/l	98
67) Ethyl Benzene	10.04	91	472002	73.95	ug/l	98
68) m/p-Xylenes	10.28	106	324033	150.65	ug/l	95
69) o-Xylene	10.83	106	179380	76.93	ug/l	95
70) Styrene	10.91	104	278696	79.66	ug/l	99
71) Bromoform	10.89	173	115321	100.50	ug/l	93
73) Isopropylbenzene	11.23	105	569896	68.70	ug/l	100
74) N-amyl acetate	11.46	43	215378	107.12	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	134912	89.82	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	123997	95.20	ug/l	97
77) Bromobenzene	11.60	156	165366	74.64	ug/l	92
78) n-propylbenzene	11.69	91	660337	67.53	ug/l	100
79) 2-Chlorotoluene	11.82	91	413945	67.35	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	505121	65.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	56271m	103.29	ug/l	
82) 4-Chlorotoluene	11.99	91	476312	70.03	ug/l	96
83) tert-Butylbenzene	12.22	119	495903	65.52	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	523171	67.31	ug/l	98
85) sec-Butylbenzene	12.39	105	630105	65.43	ug/l	100
86) p-Isopropyltoluene	12.55	119	564569	66.31	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	288055	68.92	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	296900	72.35	ug/l	97
89) n-Butylbenzene	12.92	91	549381	66.68	ug/l	99
90) Hexachloroethane	13.00	117	130038	62.27	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	289522	70.65	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	48714	115.01	ug/l	94

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QLast Update : Fri Aug 17 04:39:04 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	237303	72.92	ug/l	98
94) Hexachlorobutadiene	14.26	225	147223	64.44	ug/l	97
95) Naphthalene	14.53	128	503082	92.13	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	239311	76.46	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

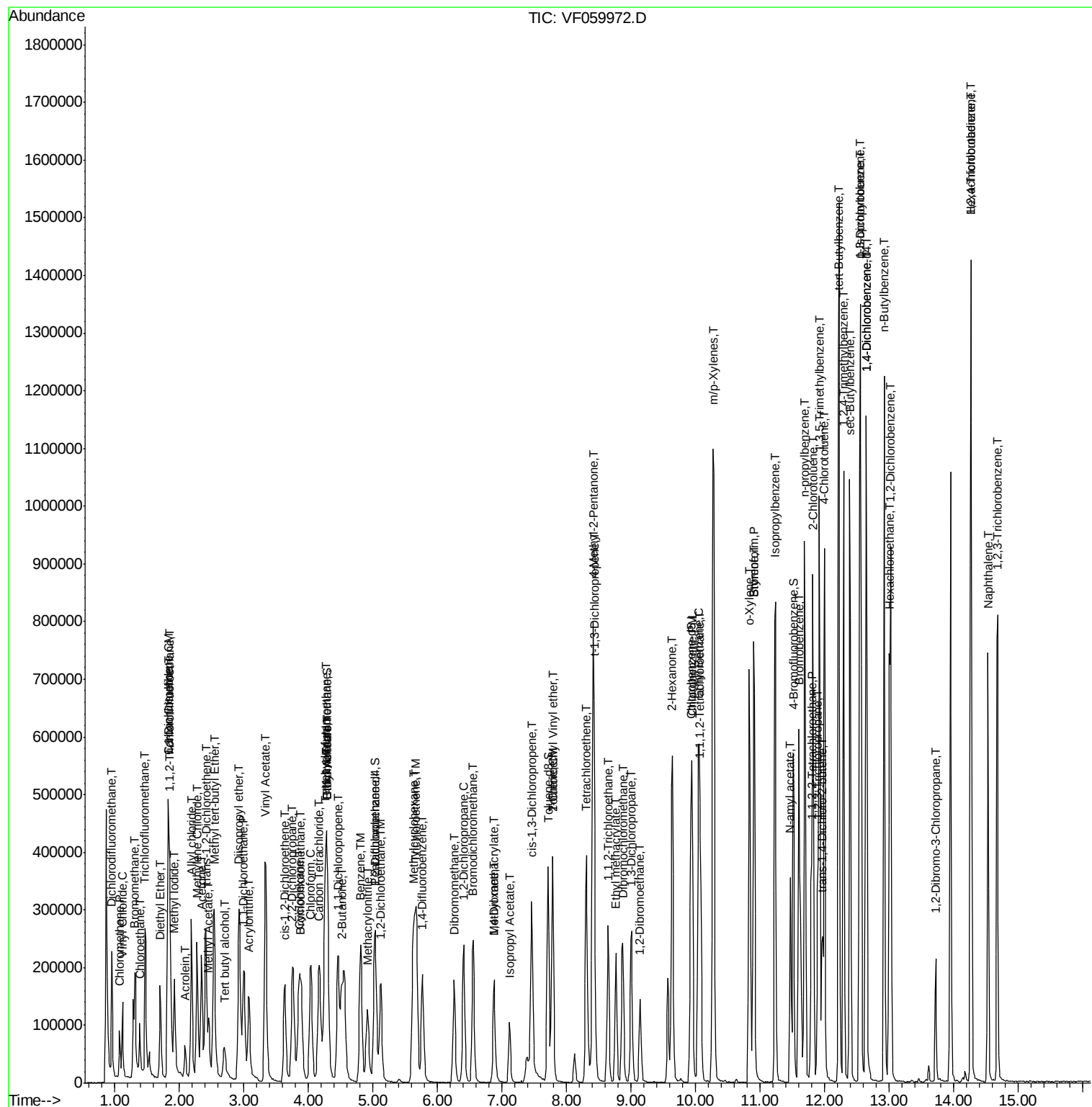
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Operator : VA/AP
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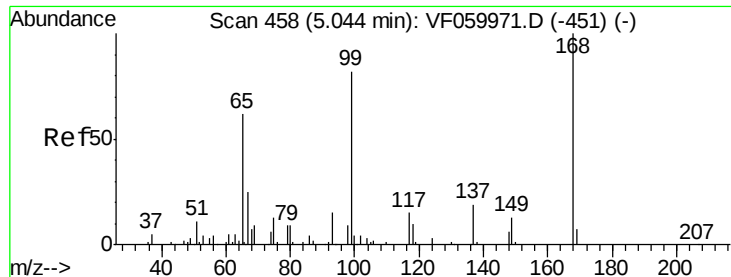
Instrument :
MSVOA_F
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 121407

Ion Ratio Lower Upper

168 100

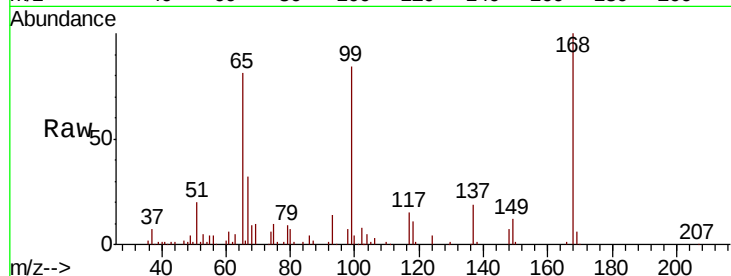
99 84.4 65.7 98.5

Manual Integrations

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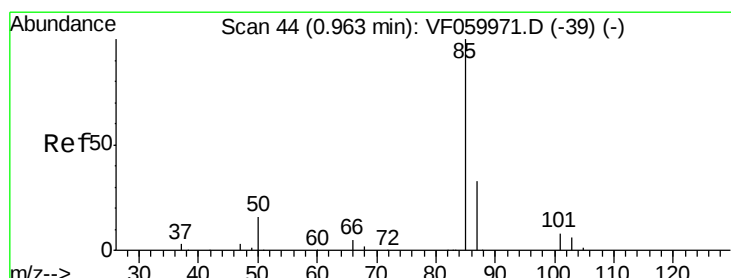
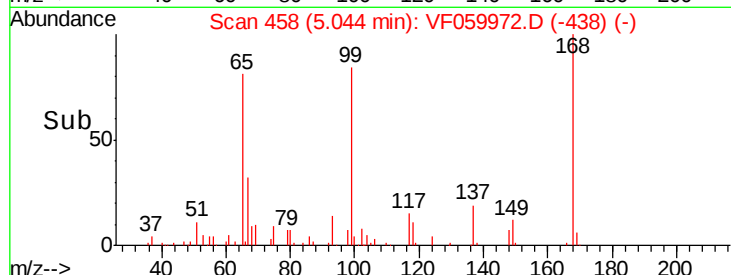
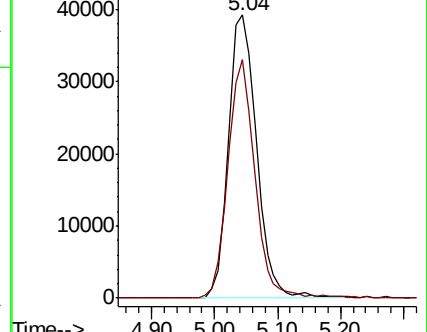
apatel

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 83.81 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF059972.D

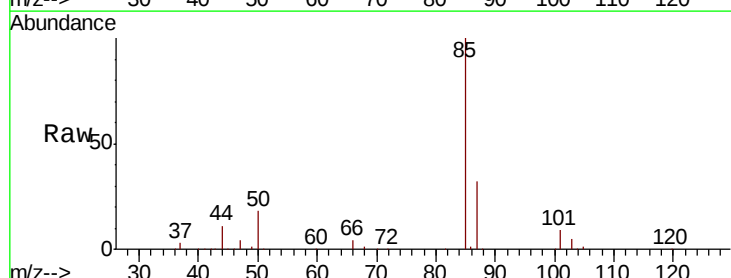
Acq: 16 Aug 2018 21:03

Tgt Ion: 85 Resp: 153663

Ion Ratio Lower Upper

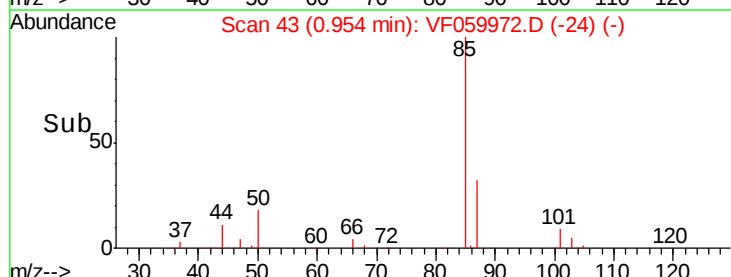
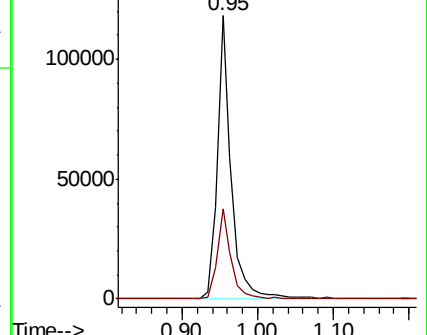
85 100

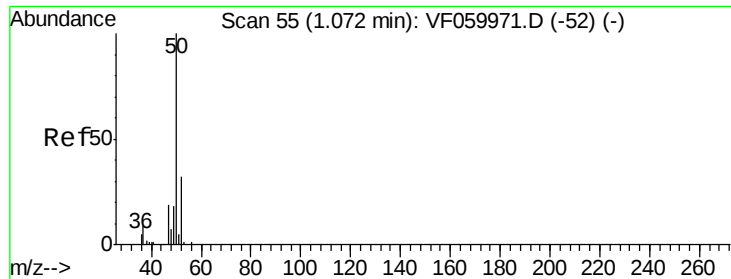
87 31.7 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 85.25 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 66662

Ion Ratio Lower Upper

50 100

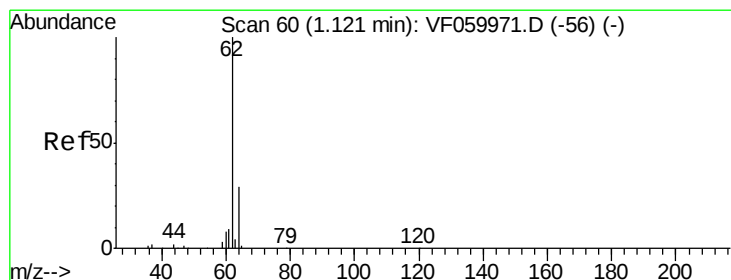
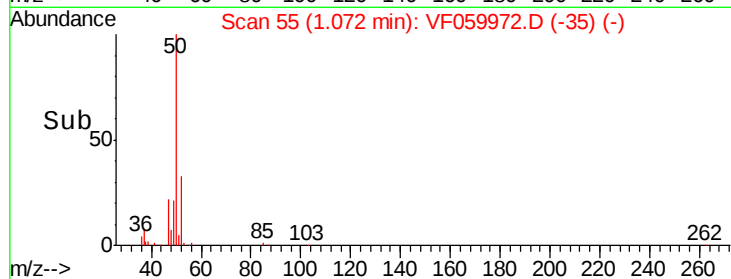
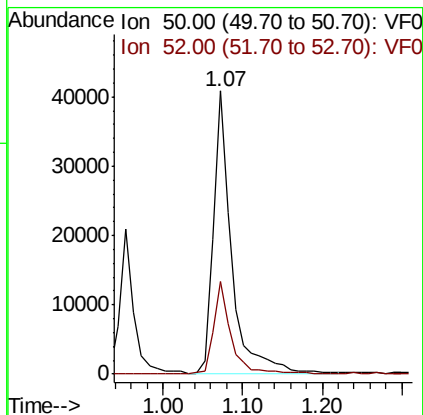
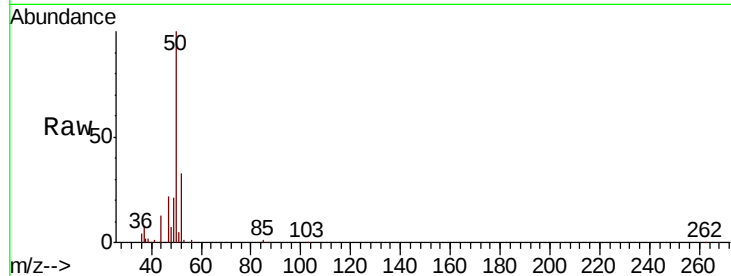
52 32.9 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 96.56 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF059972.D

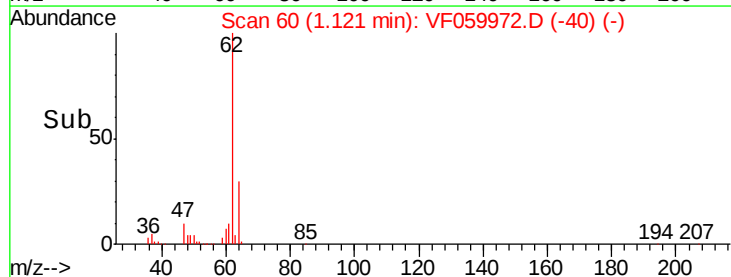
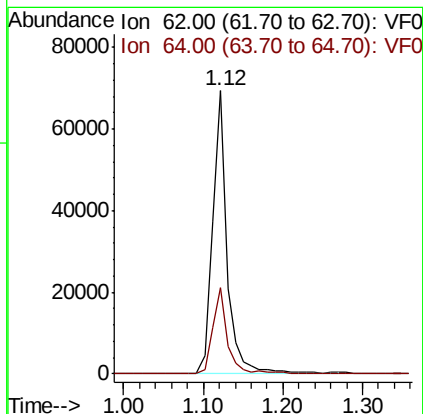
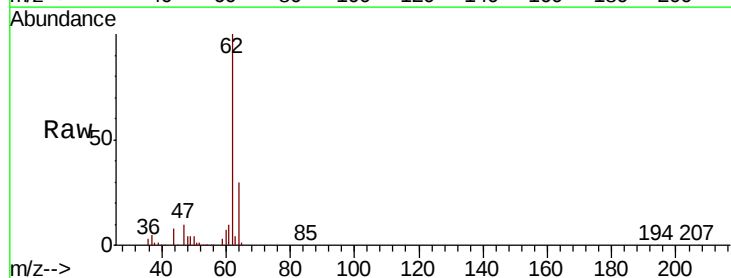
Acq: 16 Aug 2018 21:03

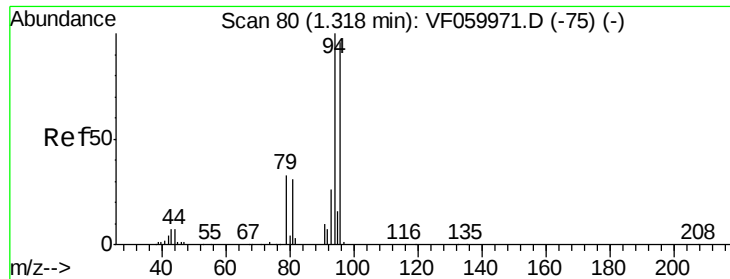
Tgt Ion: 62 Resp: 89381

Ion Ratio Lower Upper

62 100

64 30.3 23.1 34.7





#5

Bromomethane

Concen: 96.94 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

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Tot Ion: 94 Resp: 81183

Ion Ratio Lower Upper

94 100

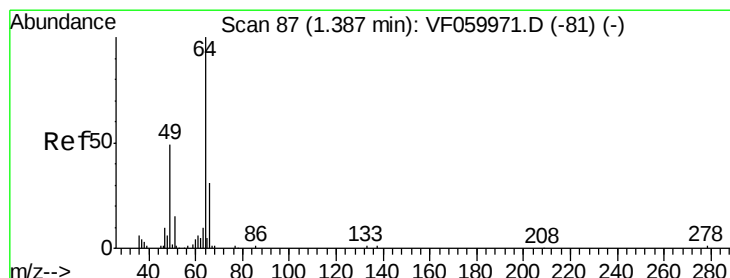
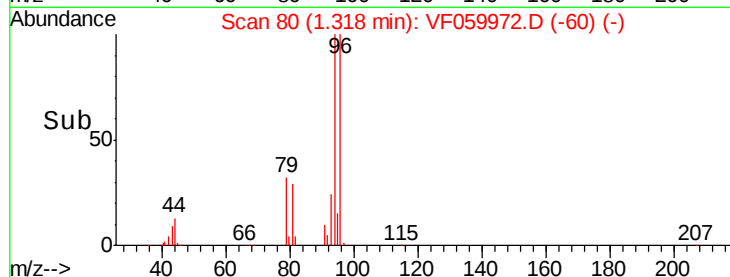
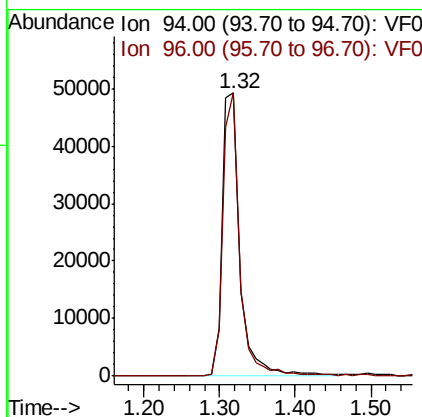
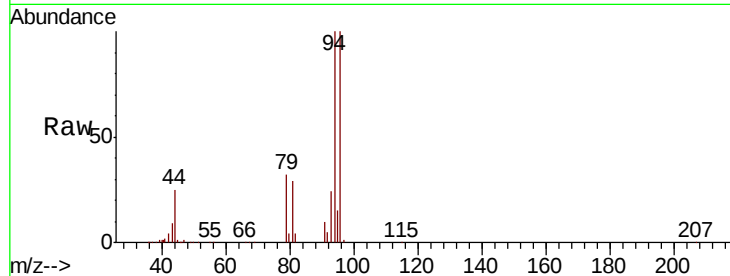
96 99.9 76.7 115.1

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#6

Chloroethane

Concen: 79.37 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF059972.D

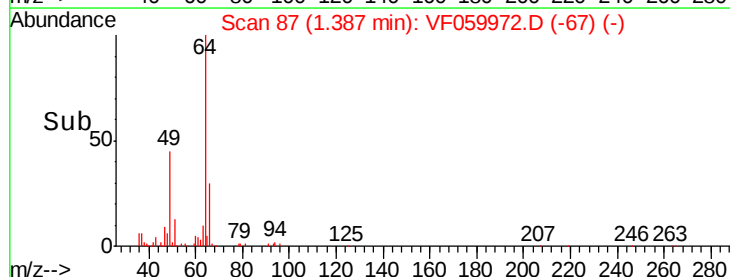
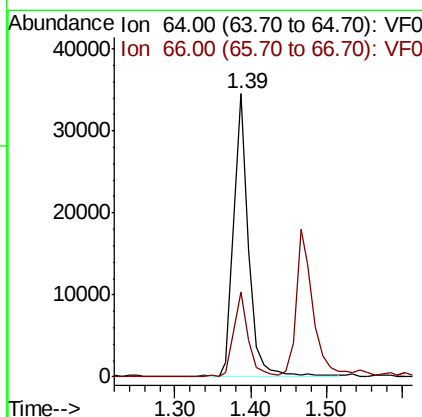
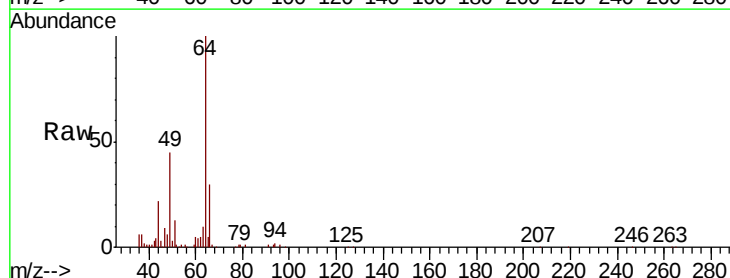
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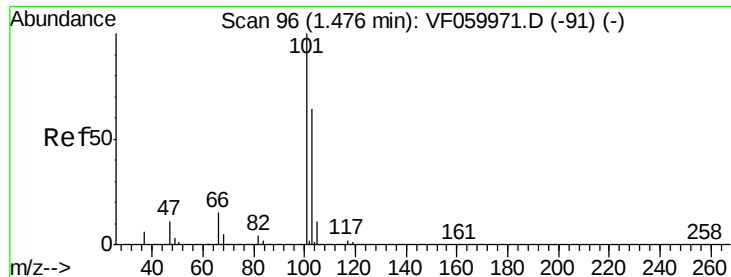
Tgt Ion: 64 Resp: 46474

Ion Ratio Lower Upper

64 100

66 29.9 25.0 37.4





#7

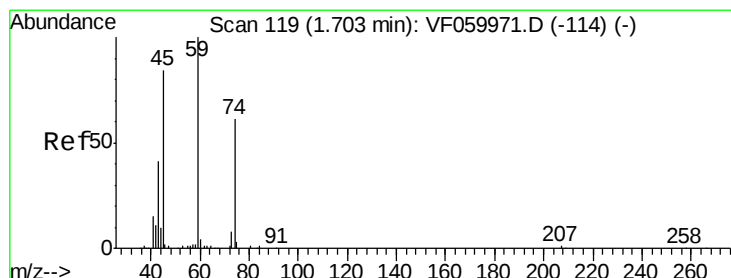
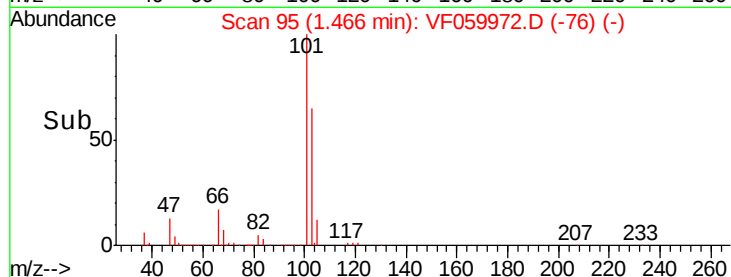
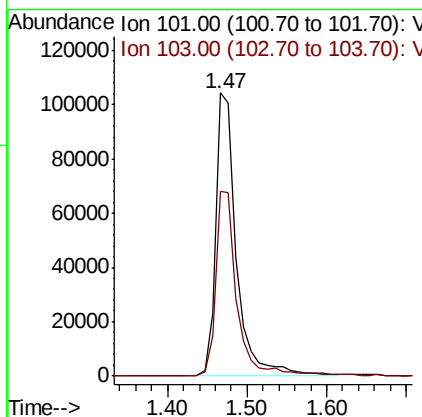
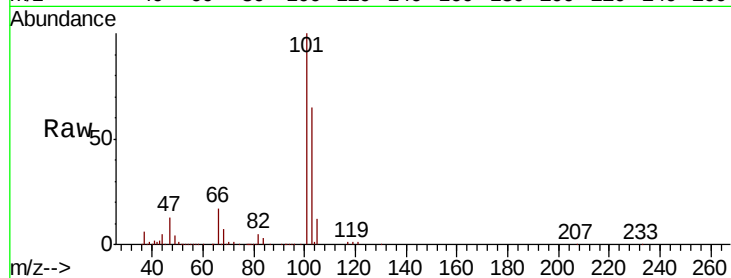
Trichlorofluoromethane
Concen: 73.17 ug/l
RT: 1.47 min Scan# 95
Delta R.T. -0.01 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		192426		
103	65.4	50.9	76.3		

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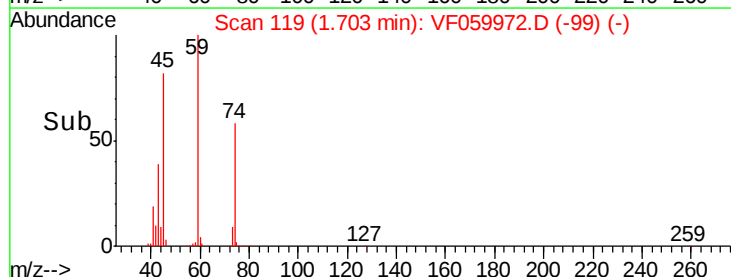
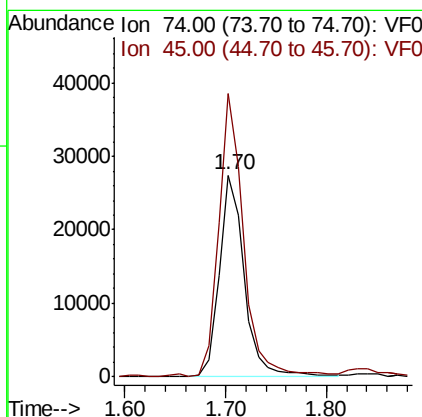
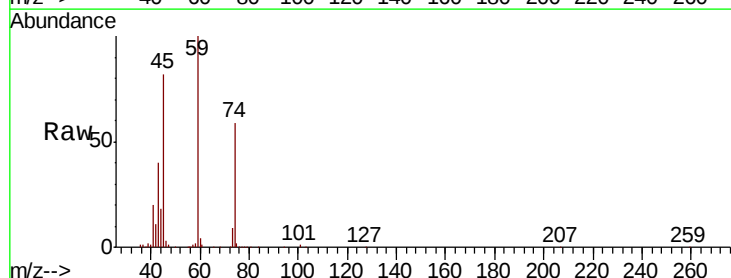
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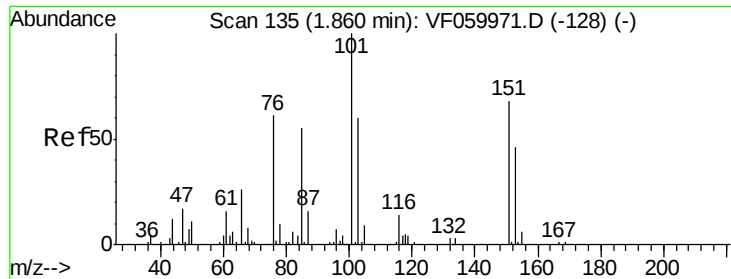


#8

Diethyl Ether
Concen: 120.91 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		47665		
45	140.3	69.8	209.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.00 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

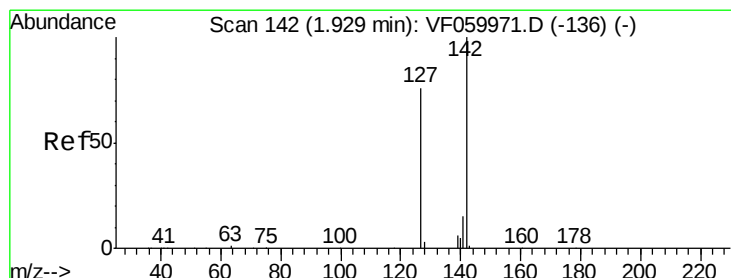
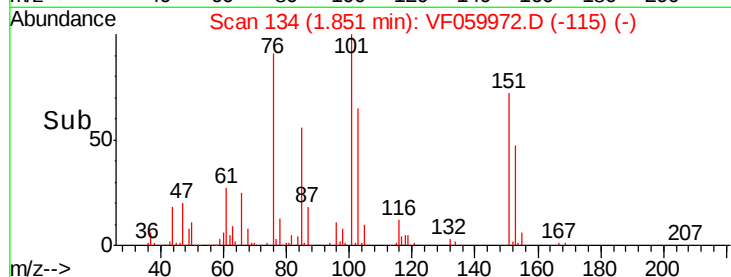
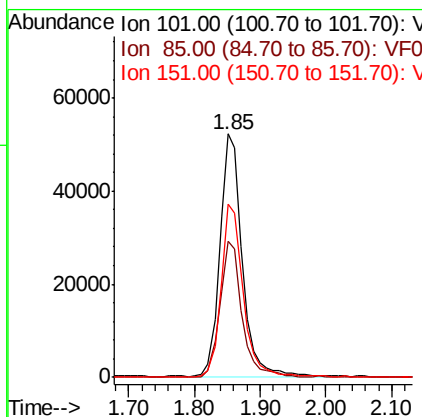
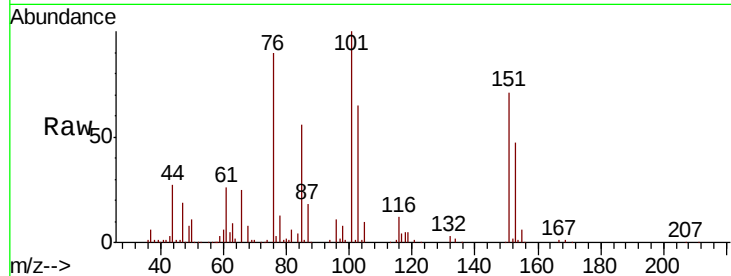
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	122531
Ion Ratio	Lower	Upper	
101	100		
85	55.9	44.2	66.4
151	71.0	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 80.61 ug/l

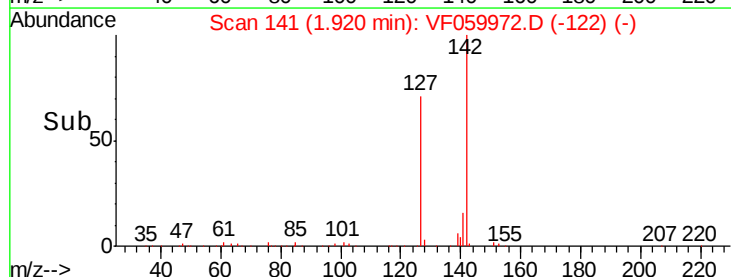
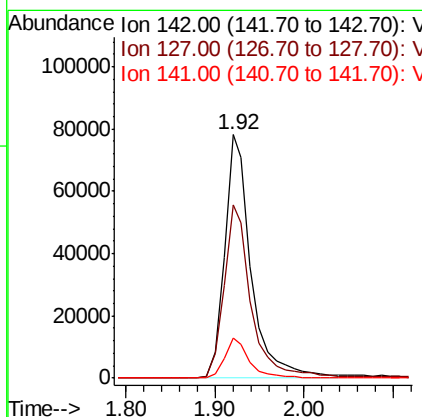
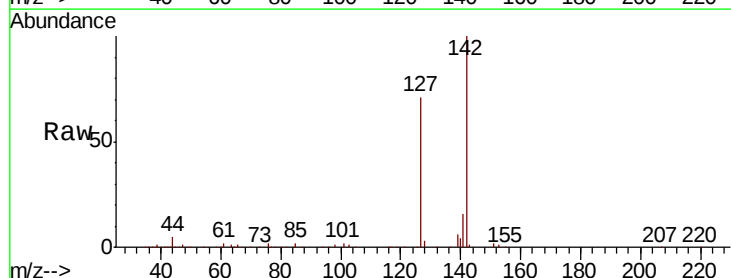
RT: 1.92 min Scan# 141

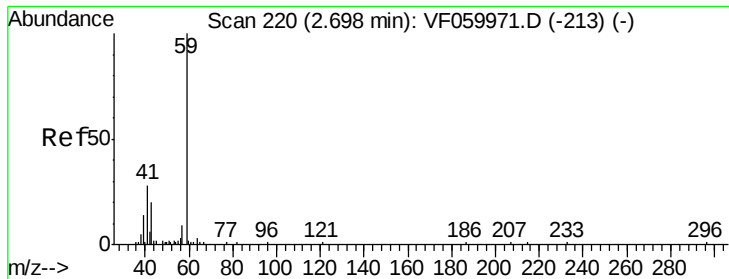
Delta R.T. -0.01 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Tgt Ion:	142	Resp:	163862
Ion Ratio	Lower	Upper	
142	100		
127	71.3	61.0	91.6
141	16.4	12.1	18.1





#11

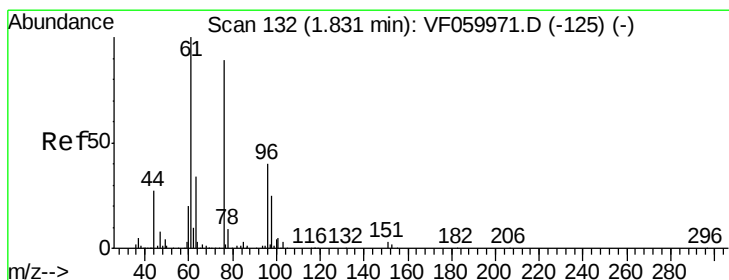
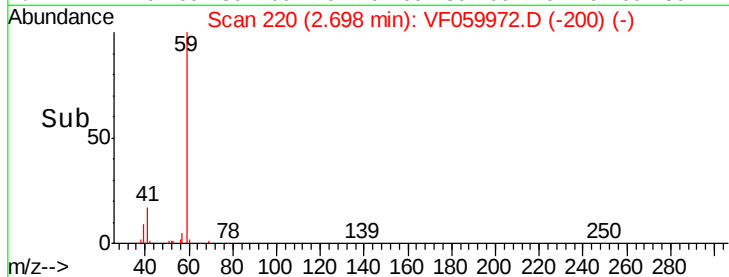
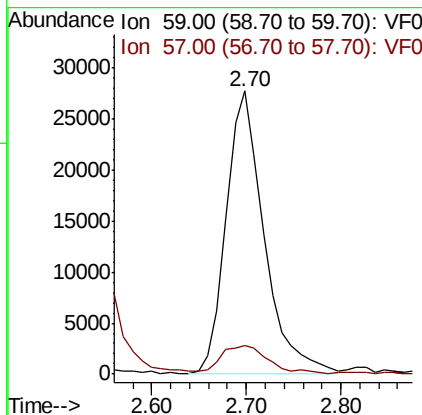
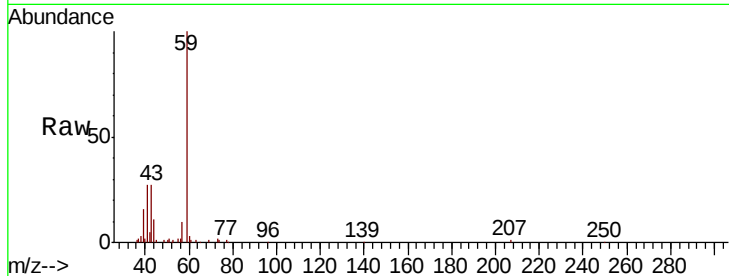
Tert butyl alcohol
 Concen: 758.30 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.8	13.2

Manual Integrations
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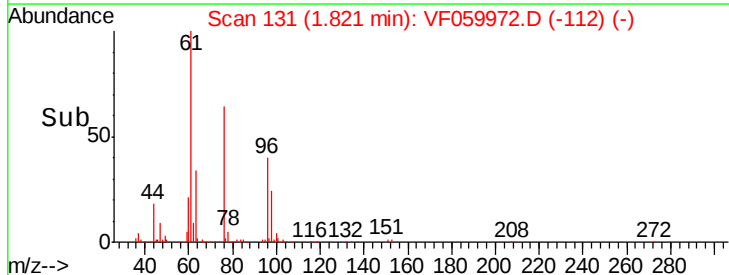
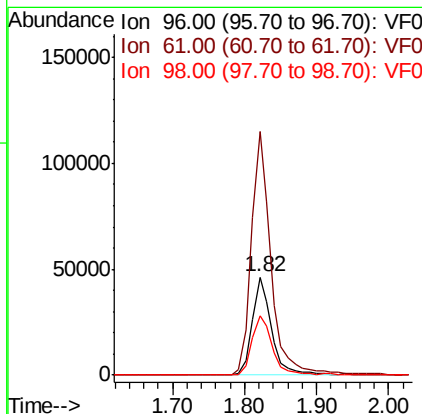
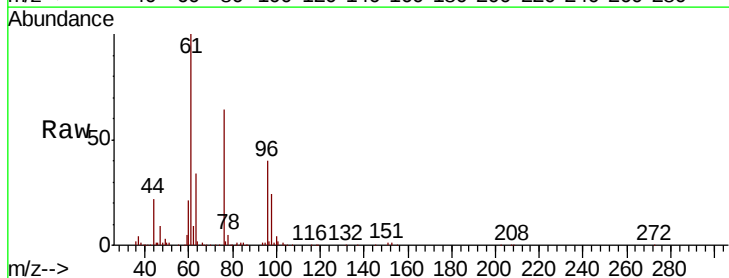
apatel
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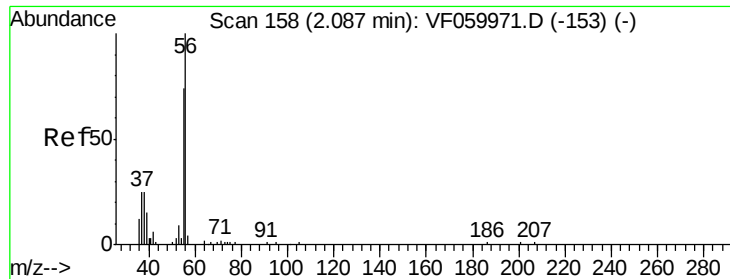


#12

1,1-Dichloroethene
 Concen: 88.77 ug/l
 RT: 1.82 min Scan# 131
 Delta R.T. -0.01 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	248.3	200.0	300.0
98	60.7	49.8	74.8





#13

Acrolein

Concen: 743.64 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 39434

Ion Ratio Lower Upper

56 100

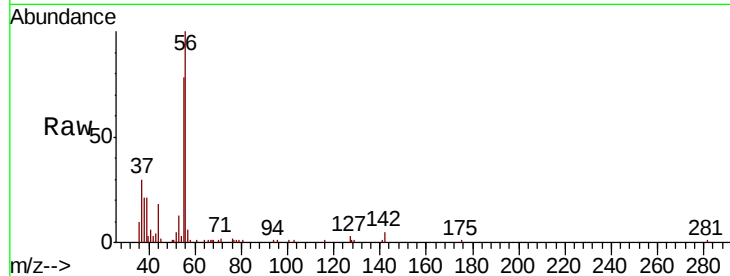
55 77.9 59.2 88.8

Manual Integrations

APPROVED

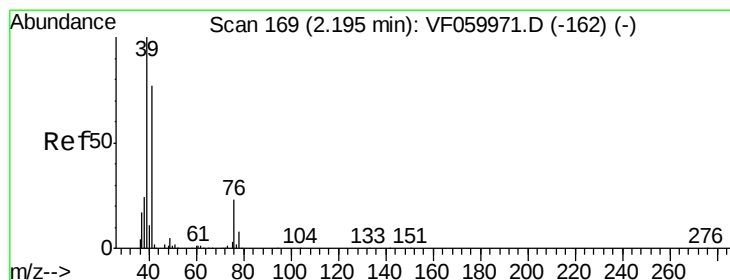
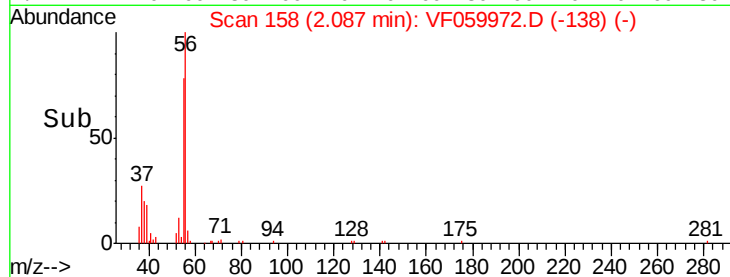
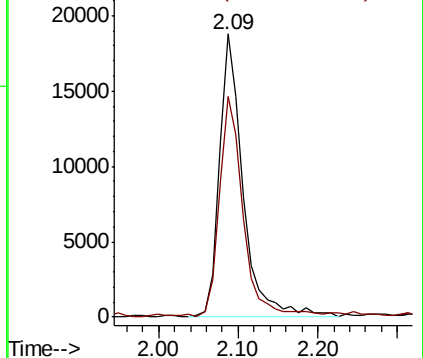
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 96.53 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

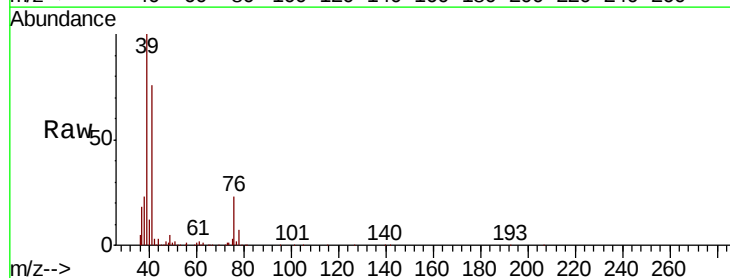
Tgt Ion: 41 Resp: 141291

Ion Ratio Lower Upper

41 100

39 131.4 103.6 155.4

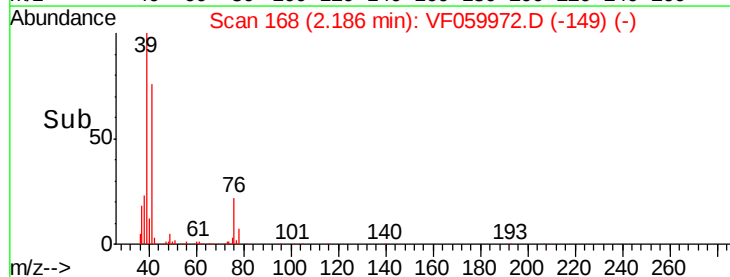
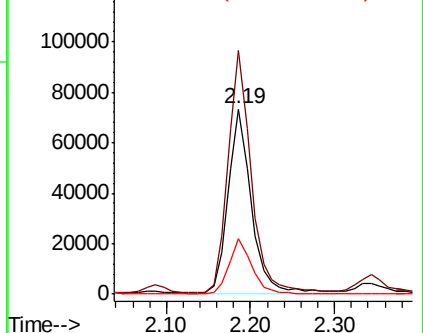
76 29.7 23.5 35.3

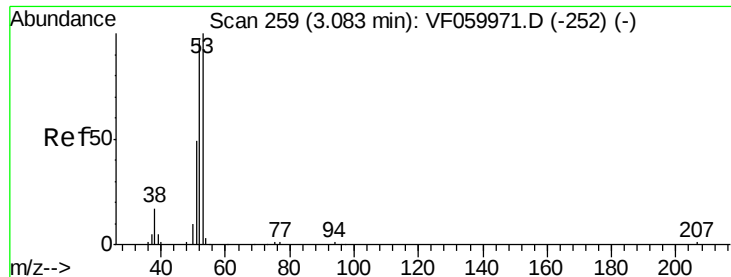


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 776.79 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

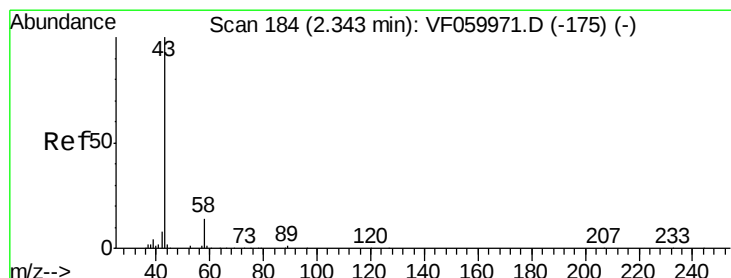
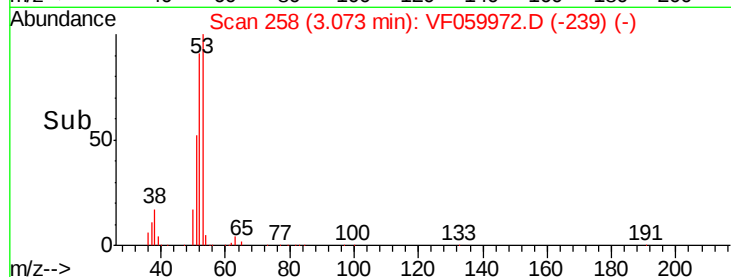
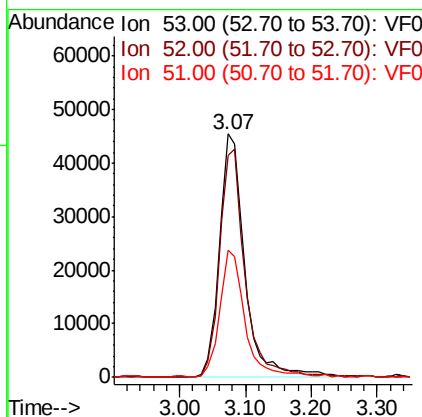
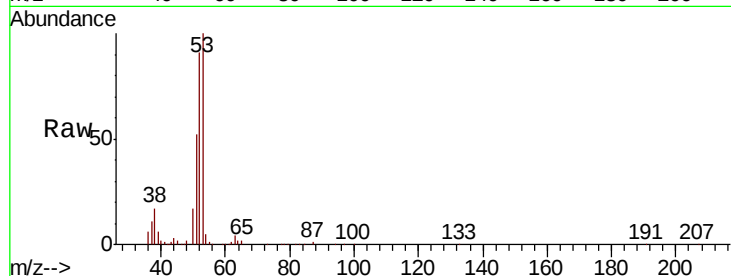
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	122884
Ion	Ratio	Lower	Upper
53	100		
52	91.1	77.6	116.4
51	52.0	40.2	60.2

Manual Integrations
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#16

Acetone

Concen: 666.55 ug/l

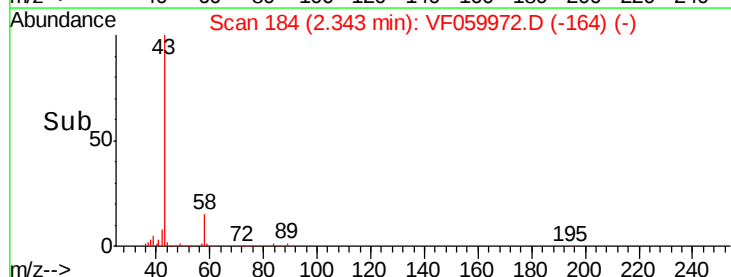
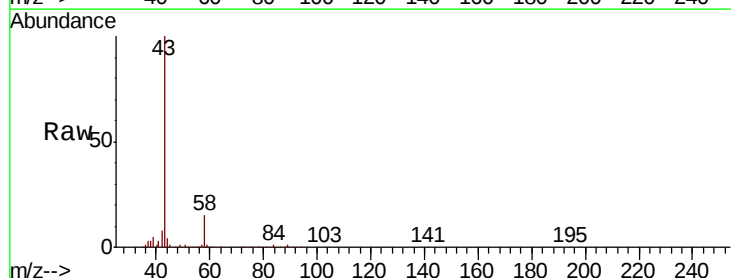
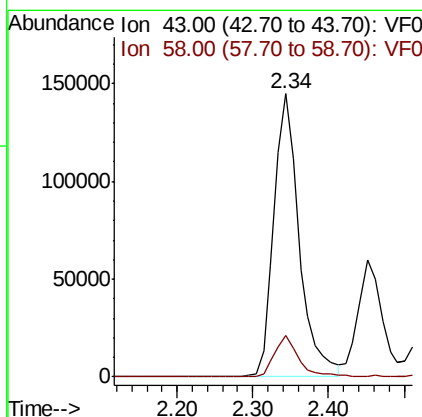
RT: 2.34 min Scan# 184

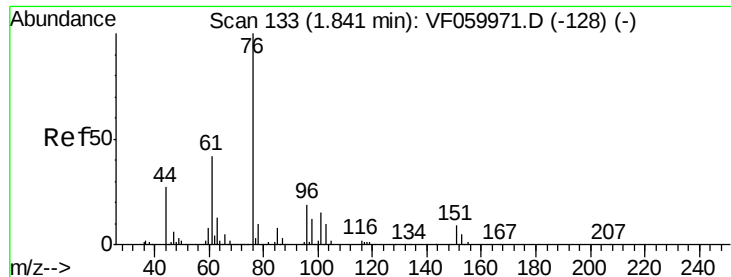
Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Tgt Ion:	43	Resp:	338995
Ion	Ratio	Lower	Upper
43	100		
58	14.6	11.1	16.7





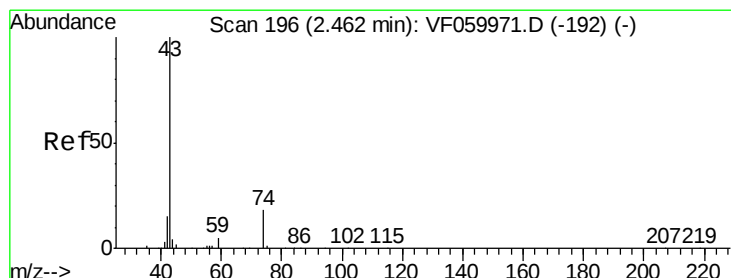
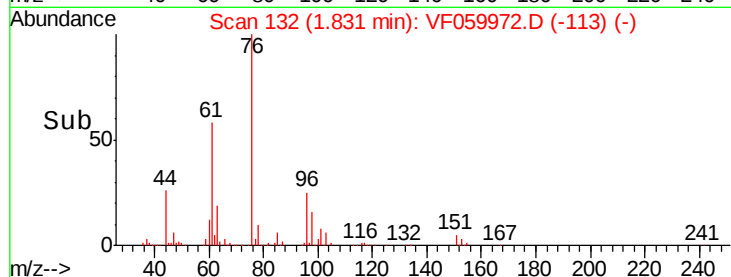
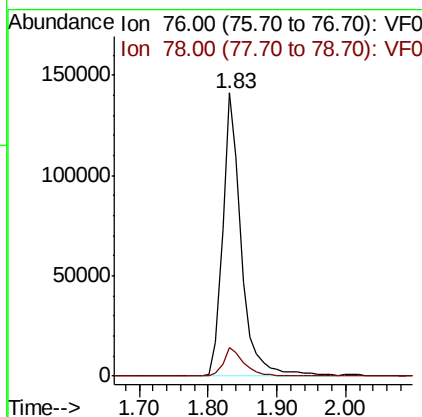
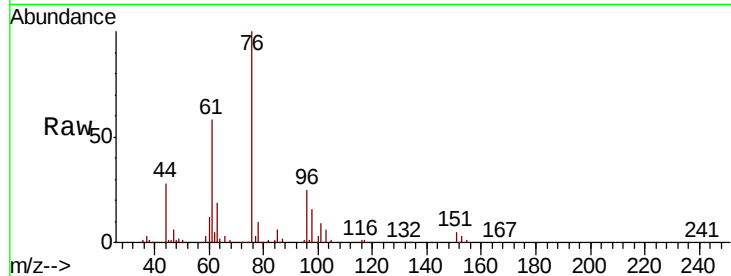
#17
Carbon Disulfide
Concen: 99.31 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	8.0	12.0

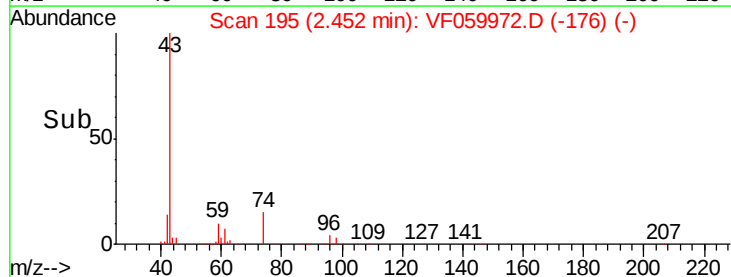
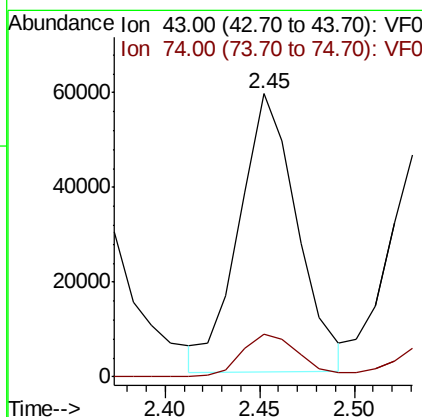
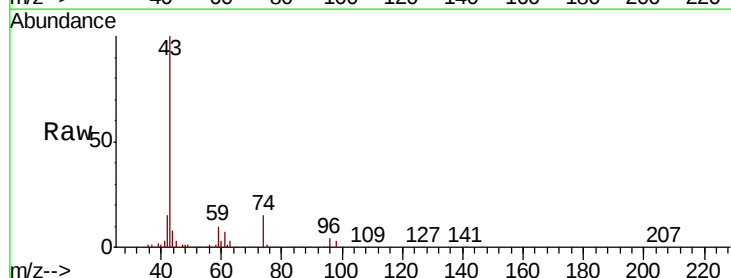
Manual Integrations
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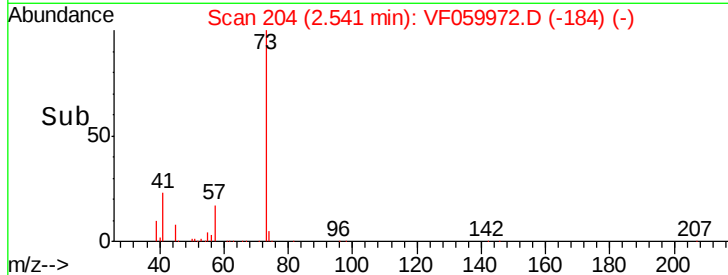
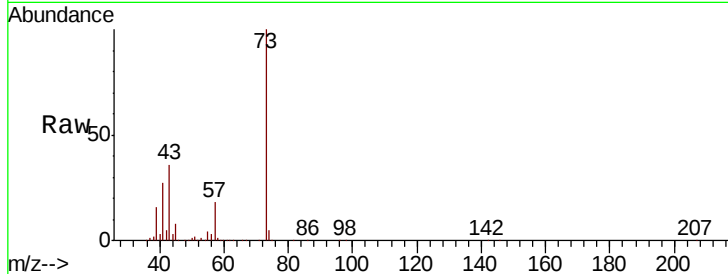
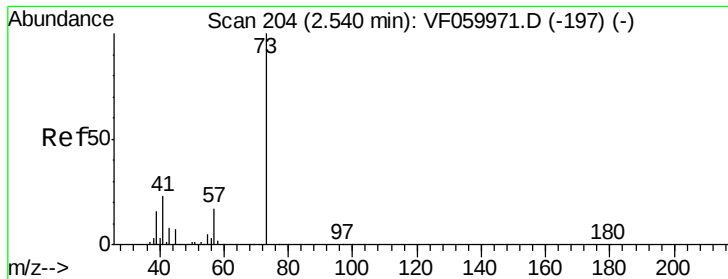
apatel
8/17/2018 11:24:25 AM



#18
Methyl Acetate
Concen: 159.10 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.9	13.2	19.8





#19

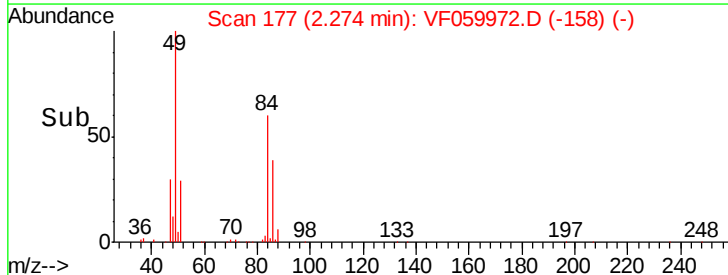
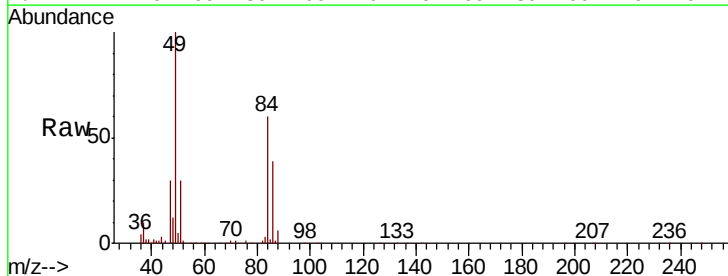
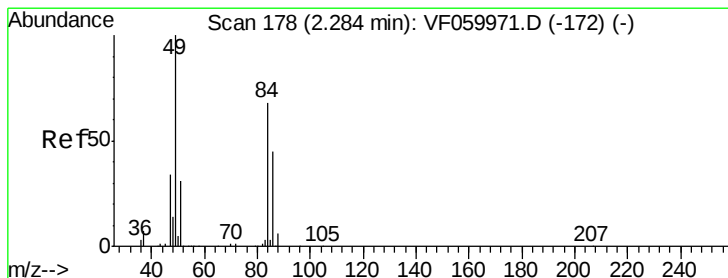
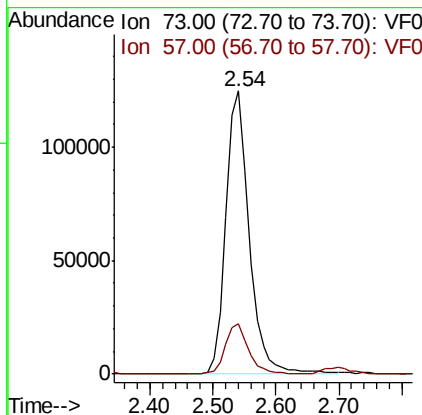
Methyl tert-butyl Ether
Concen: 106.38 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	13.7	20.5

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Manual Integrations
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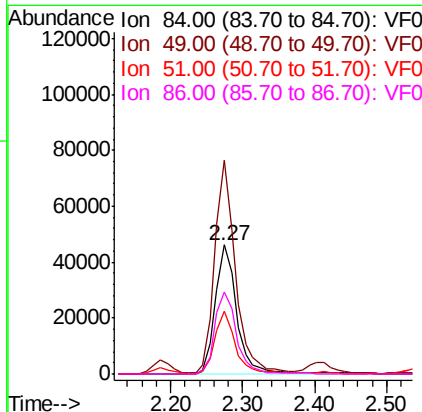
apatel
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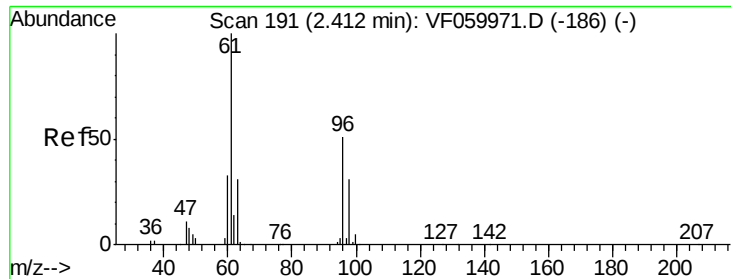


#20

Methylene Chloride
Concen: 83.22 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	166.0	118.2	177.2
51	49.2	36.3	54.5
86	64.1	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 89.09 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

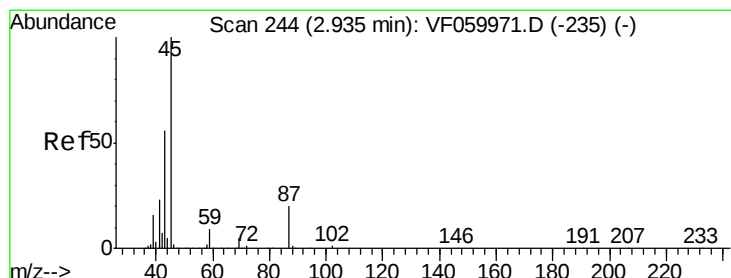
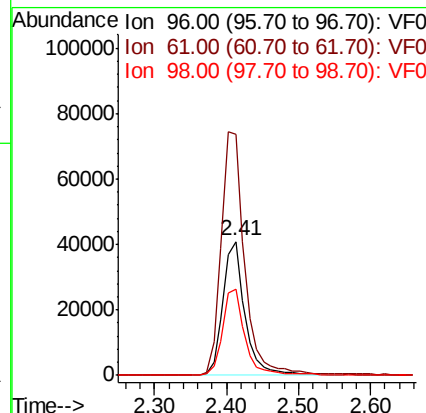
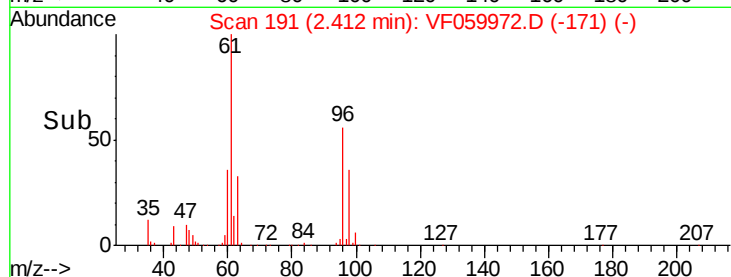
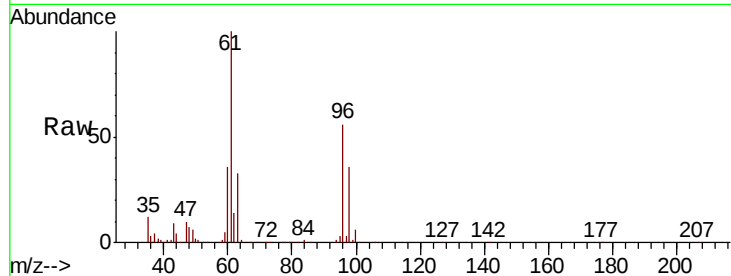
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	86737
Ion	Ratio	Lower	Upper
96	100		
61	179.8	156.9	235.3
98	64.8	48.6	73.0

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#22

Diisopropyl ether

Concen: 97.70 ug/l

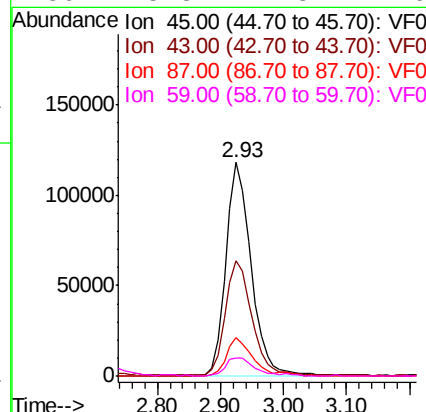
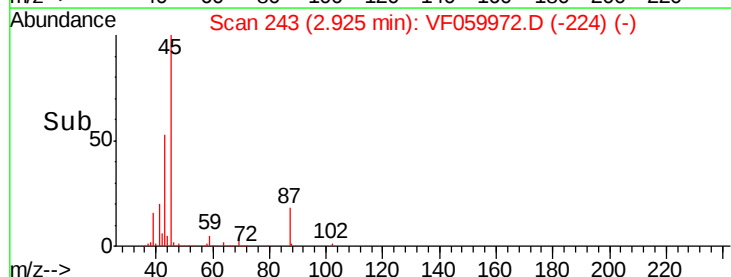
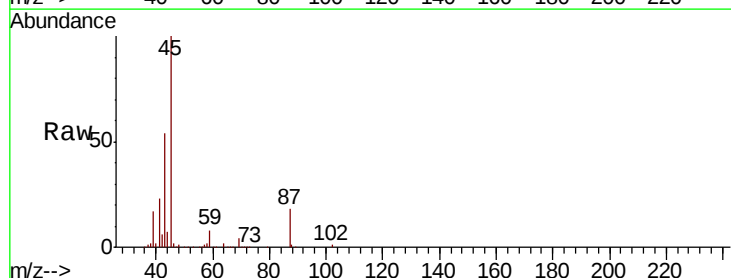
RT: 2.93 min Scan# 243

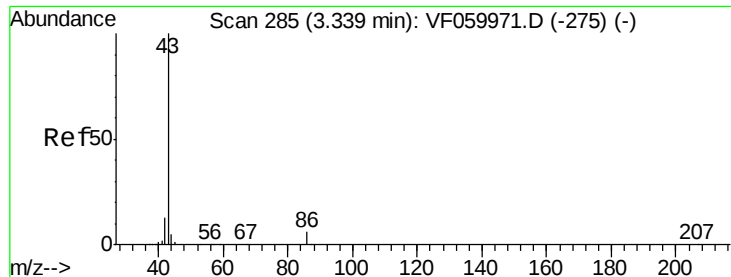
Delta R.T. -0.01 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Tgt Ion:	45	Resp:	328865
Ion	Ratio	Lower	Upper
45	100		
43	54.0	44.9	67.3
87	17.7	15.8	23.6
59	8.3	7.8	11.6





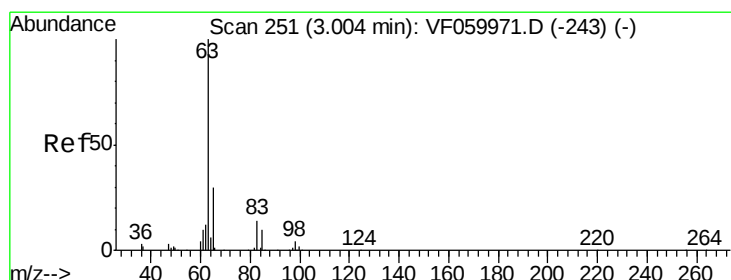
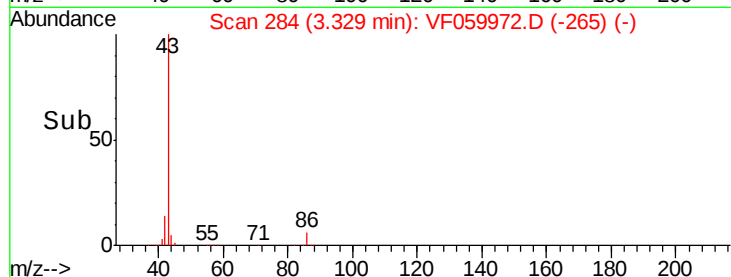
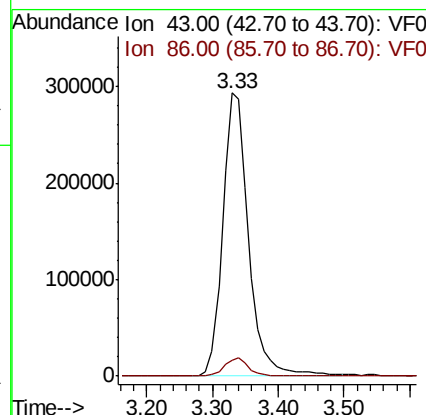
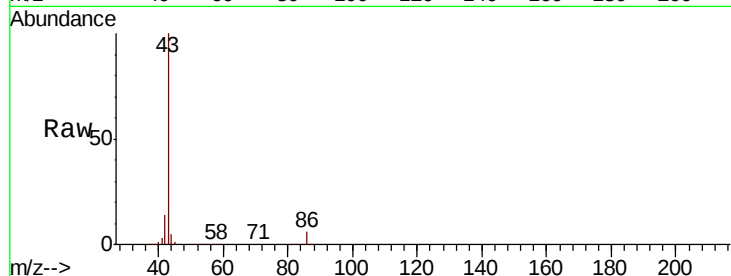
#23
 Vinyl Acetate
 Concen: 491.20 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
86	5.7	4.5	6.7

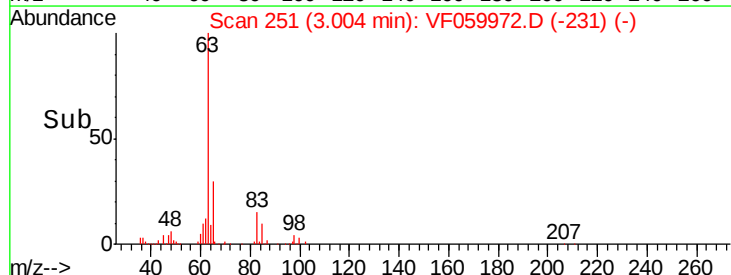
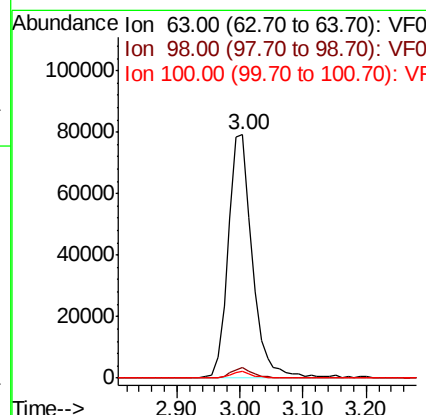
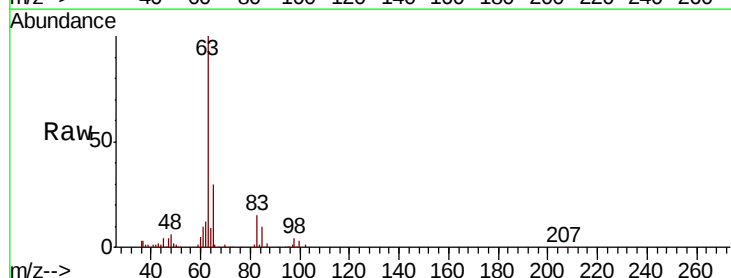
Manual Integrations
 APPROVED

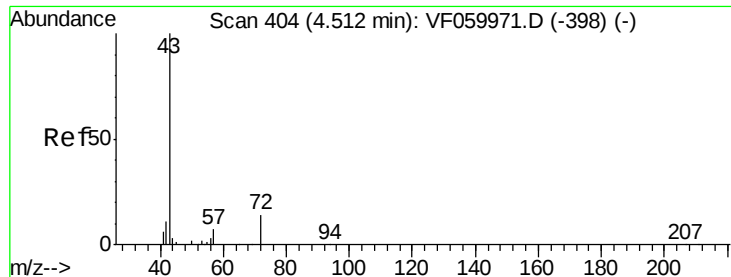
apatel
 8/17/2018 11:24:25 AM



#24
 1,1-Dichloroethane
 Concen: 89.80 ug/l
 RT: 3.00 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.8	5.4
100	2.6	1.1	3.1





#25

2-Butanone

Concen: 584.30 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 279163

Ion Ratio Lower Upper

43 100

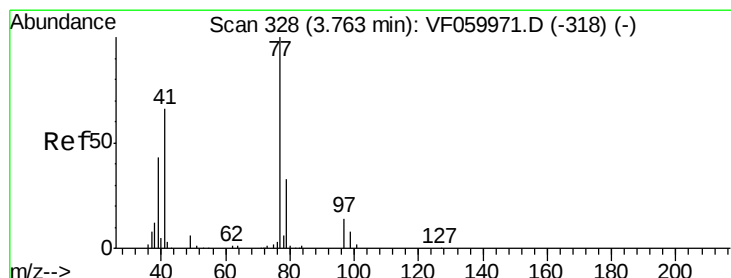
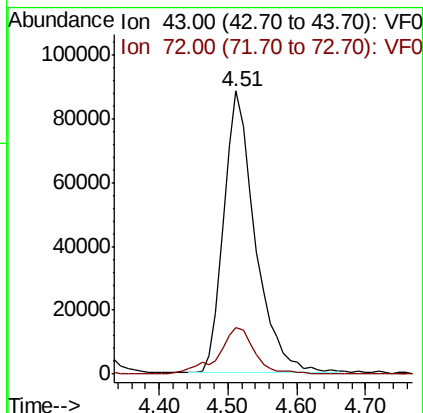
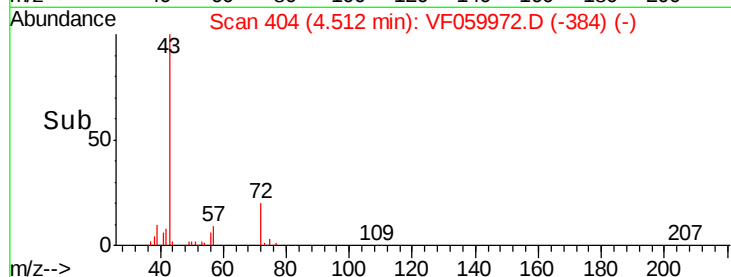
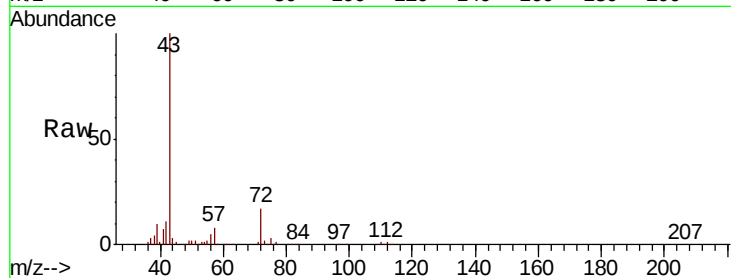
72 16.7 13.4 20.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 124.32 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF059972.D

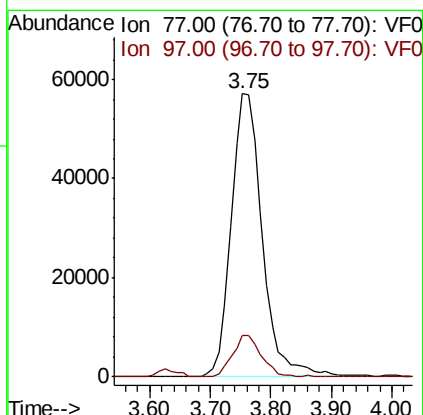
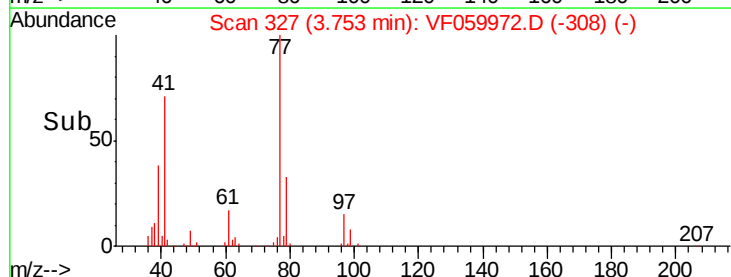
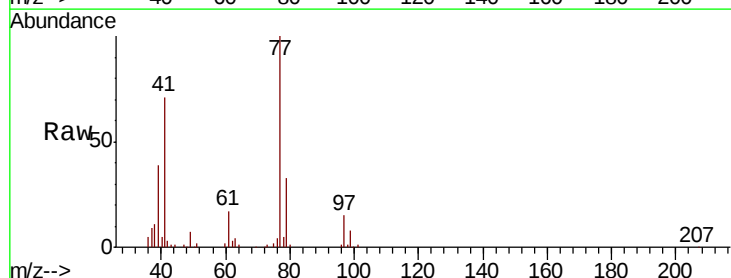
Acq: 16 Aug 2018 21:03

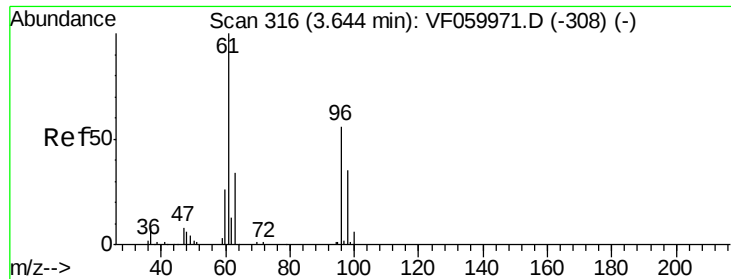
Tgt Ion: 77 Resp: 203624

Ion Ratio Lower Upper

77 100

97 14.6 7.4 22.3





#27

cis-1,2-Dichloroethene

Concen: 82.50 ug/l

RT: 3.63 min Scan# 315

Delta R.T. -0.01 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

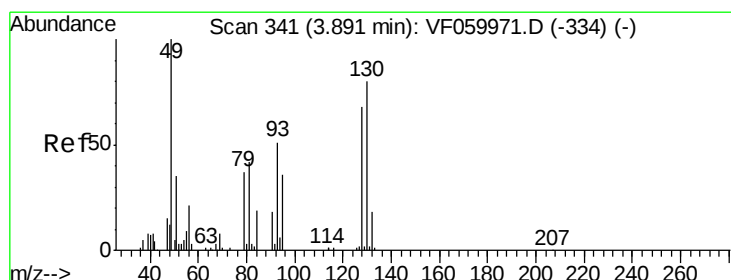
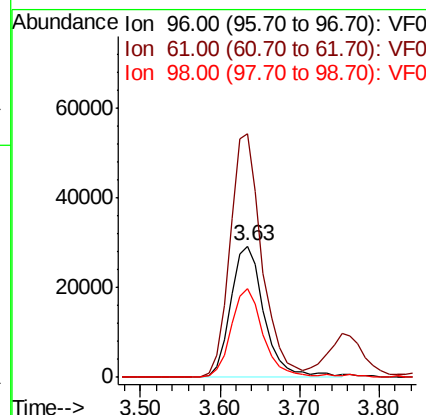
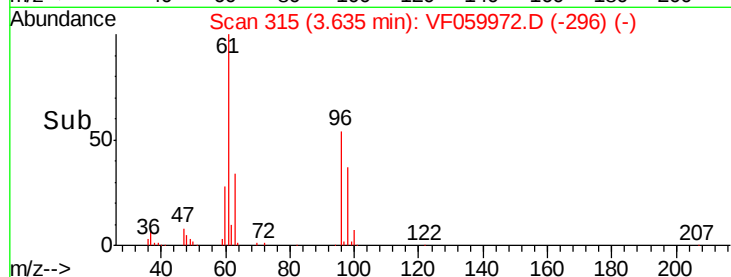
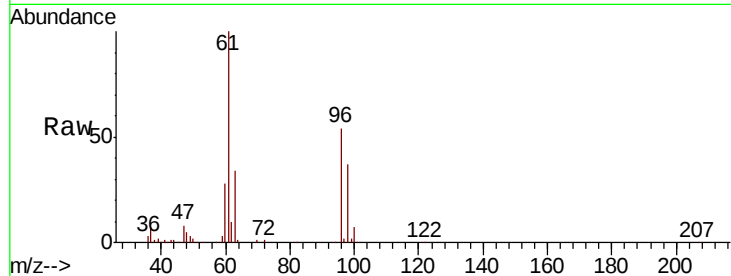
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	86151
Ion	Ratio	Lower	Upper
96	100		
61	185.1	0.0	356.4
98	67.8	0.0	125.2

Manual Integrations
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#28

Bromochloromethane

Concen: 74.49 ug/l

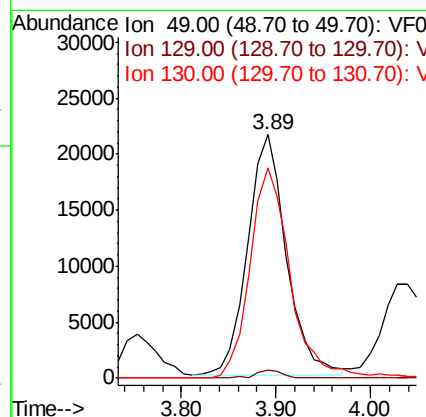
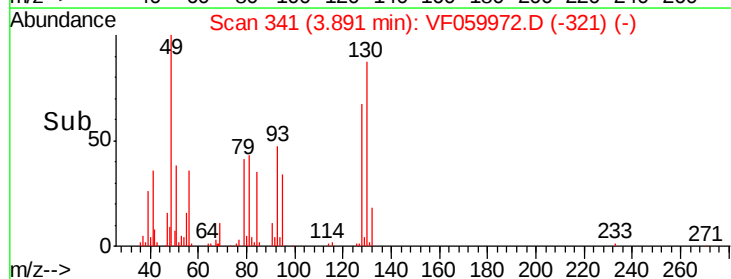
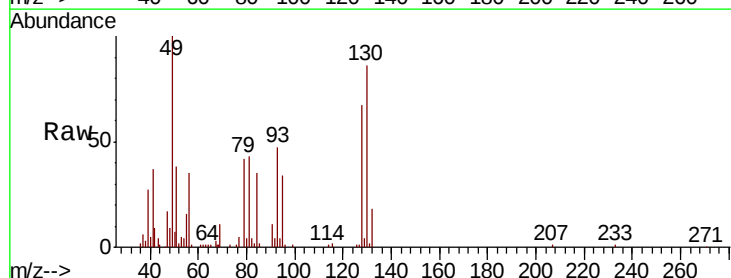
RT: 3.89 min Scan# 341

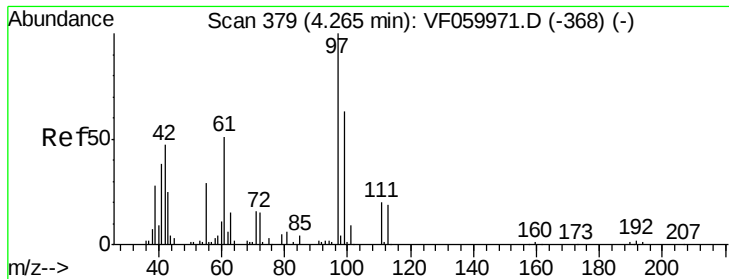
Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Tgt Ion:	49	Resp:	61436
Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	4.6
130	86.2	64.0	96.0





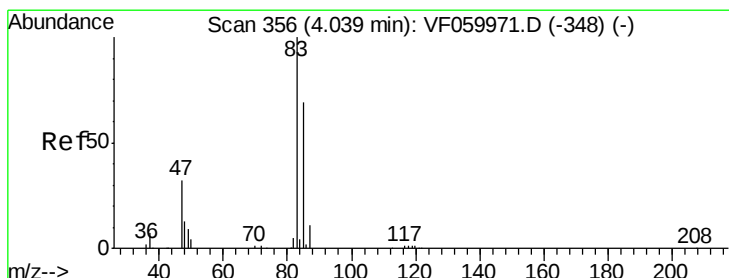
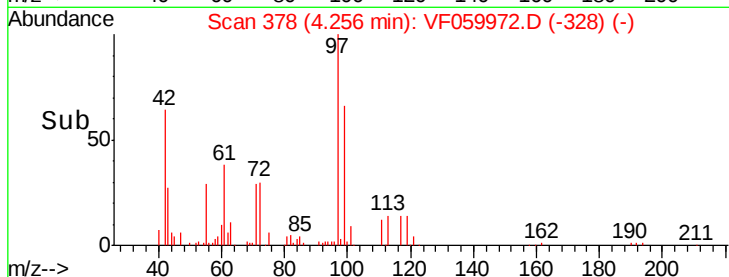
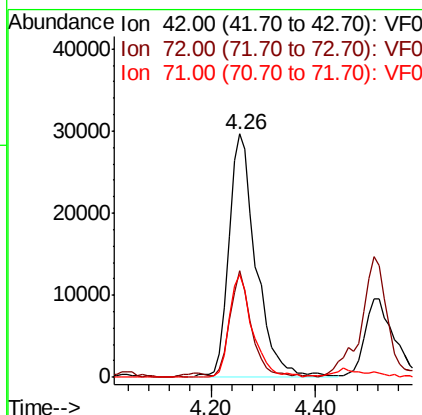
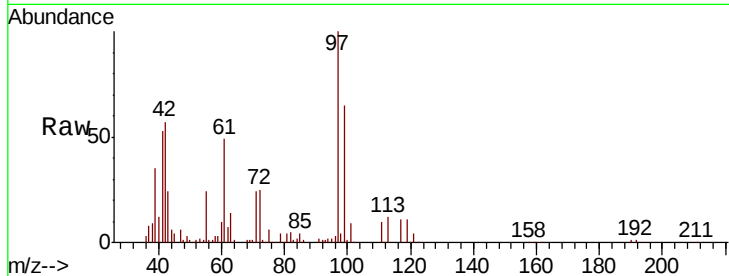
#29
Tetrahydrofuran
Concen: 633.14 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
42	100	106231		
72	34.5		27.9	41.9
71	35.8		26.9	40.3

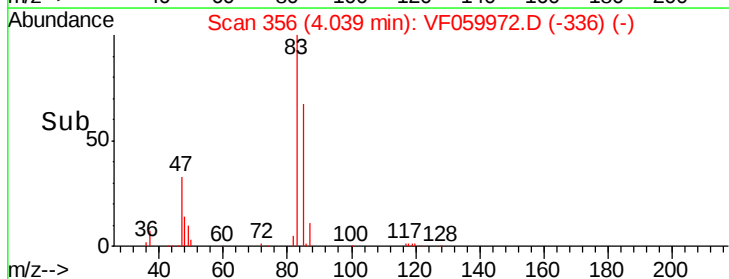
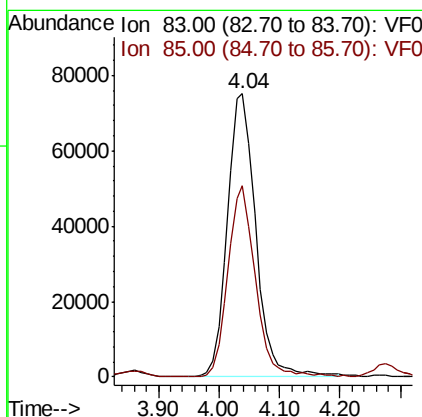
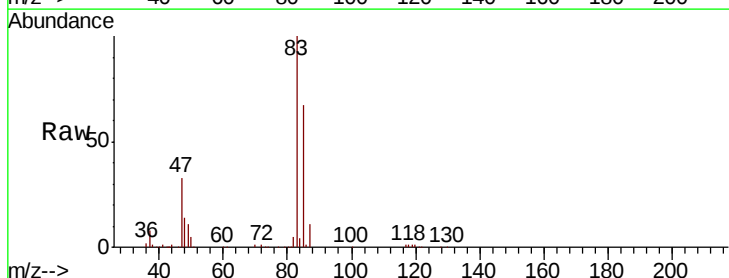
Manual Integrations
APPROVED

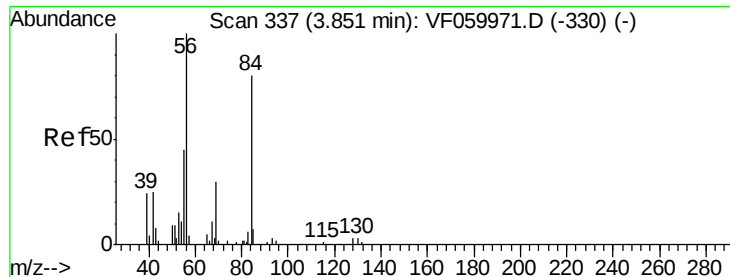
apatel
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#30
Chloroform
Concen: 79.14 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	245326		
85	67.4		54.9	82.3





#31

Cyclohexane

Concen: 81.55 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

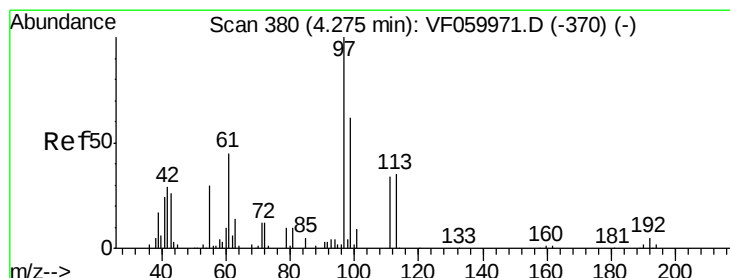
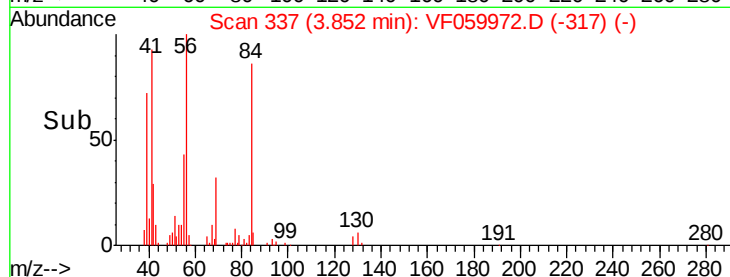
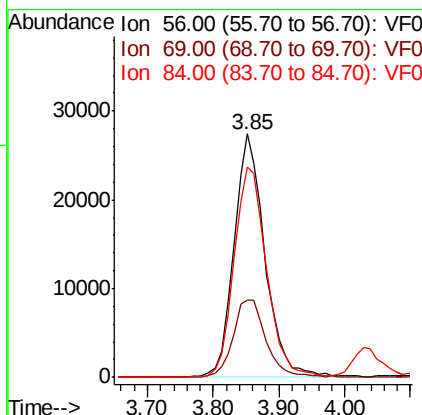
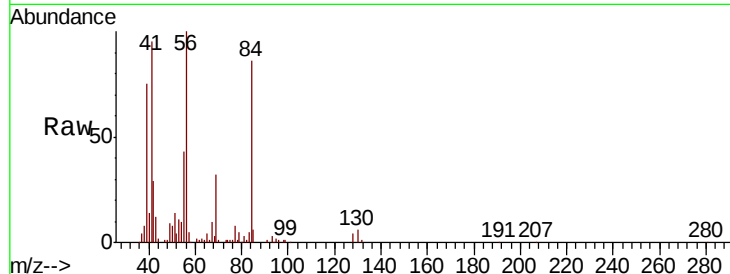
ClientSampleId :

VSTDIC075

Tot Ion:	56	Resp:	90412
Ion Ratio	Lower	Upper	
56	100		
69	31.8	23.8	35.6
84	86.4	64.3	96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 88.94 ug/l

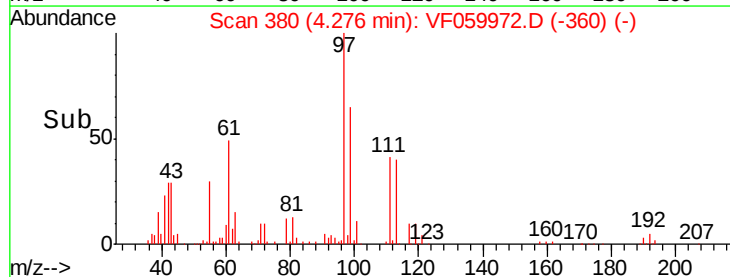
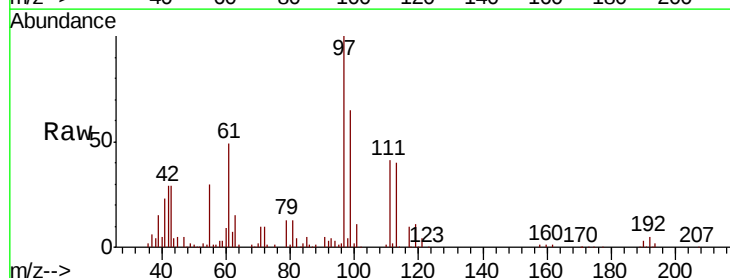
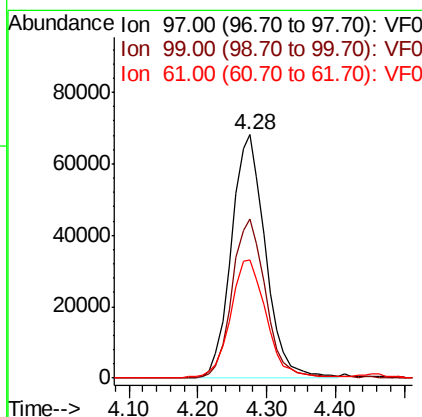
RT: 4.28 min Scan# 380

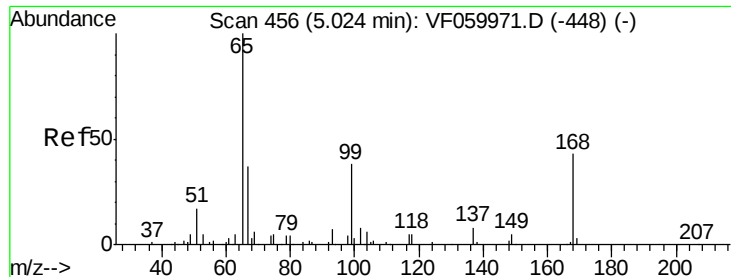
Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Tgt Ion:	97	Resp:	233150
Ion Ratio	Lower	Upper	
97	100		
99	65.3	49.3	73.9
61	48.7	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 90.36 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 65 Resp: 199867

Ion Ratio Lower Upper

65 100

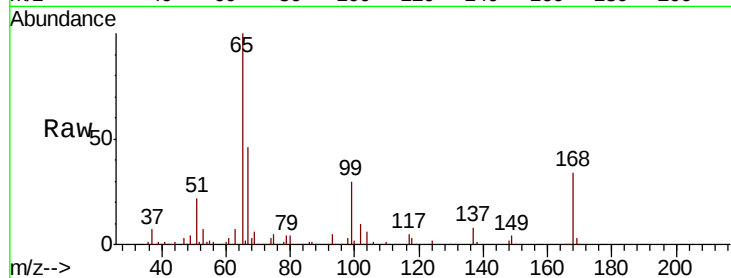
67 46.3 0.0 84.8

Manual Integrations

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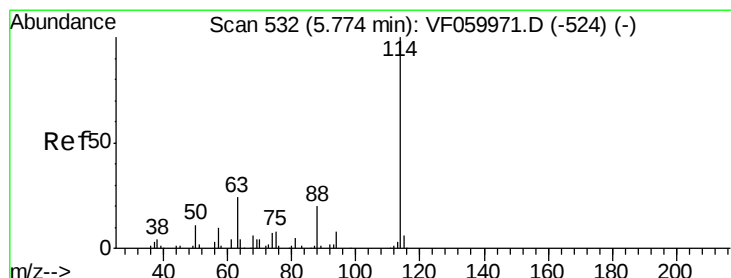
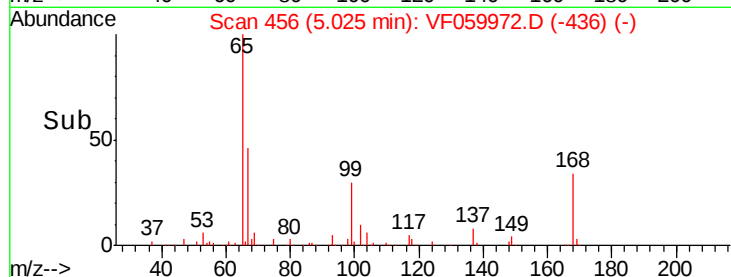
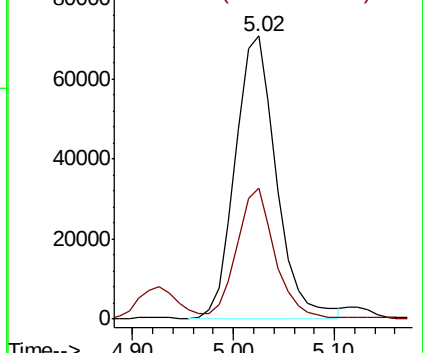
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

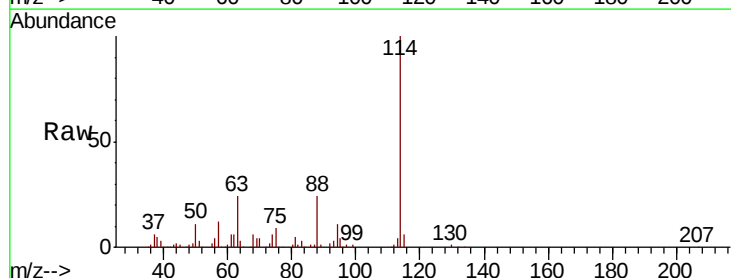
Tgt Ion: 114 Resp: 176570

Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.8

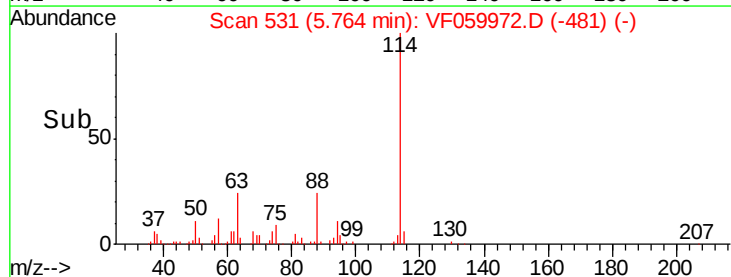
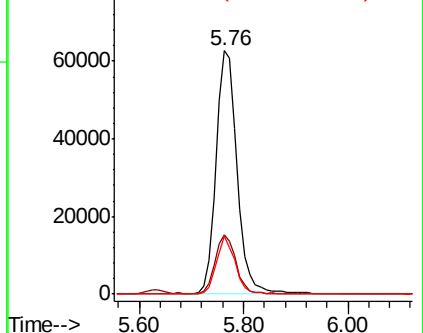
88 23.9 0.0 39.6

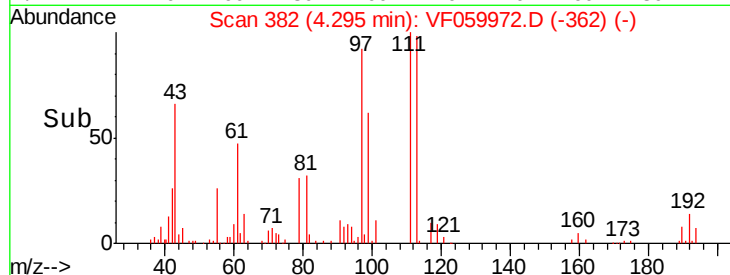
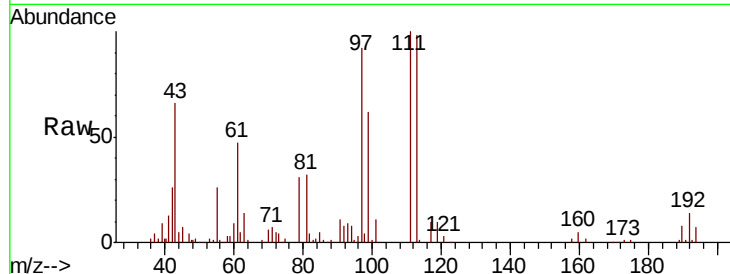
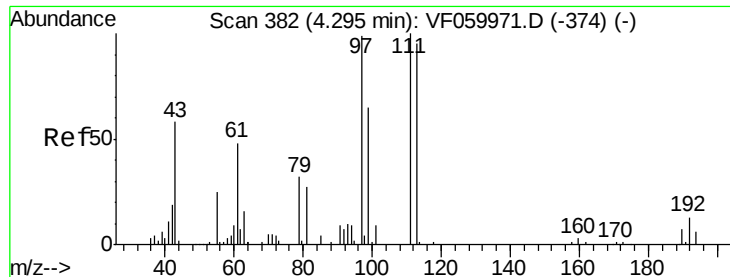


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





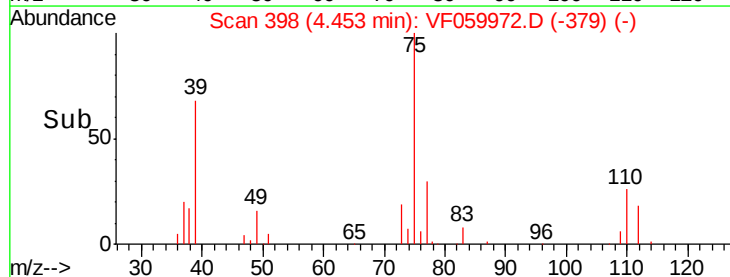
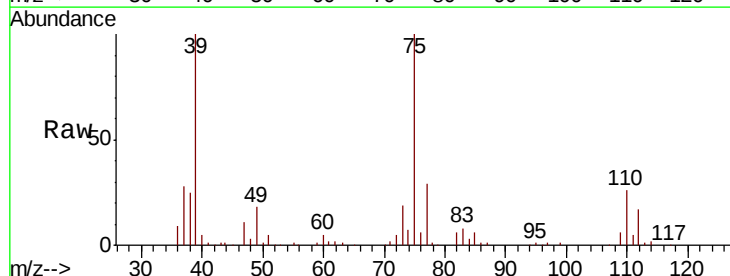
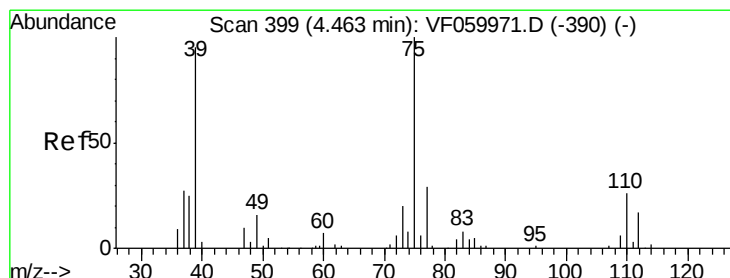
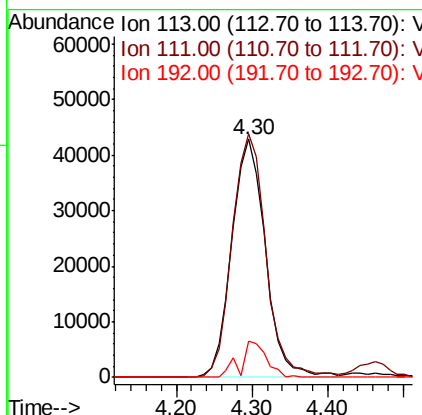
#35
Dibromofluoromethane
Concen: 73.84 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132483		
111	102.3	83.9	125.9	
192	15.3	11.3	16.9	

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

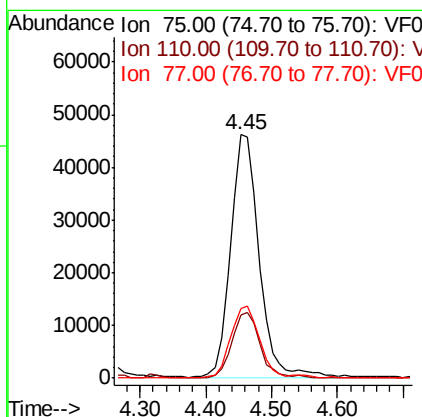
Manual Integrations
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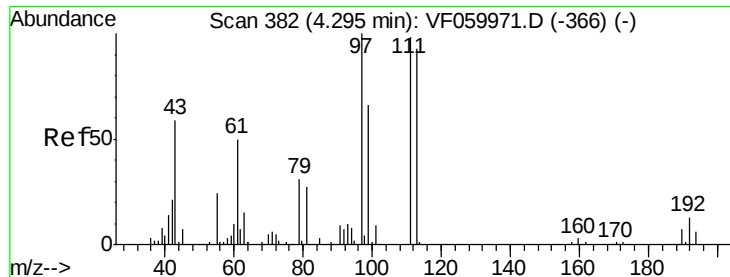
apatel
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#36
1,1-Dichloropropene
Concen: 71.42 ug/l
RT: 4.45 min Scan# 398
Delta R.T. -0.01 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139689		
110	26.1	13.1	39.3	
77	28.7	23.4	35.0	





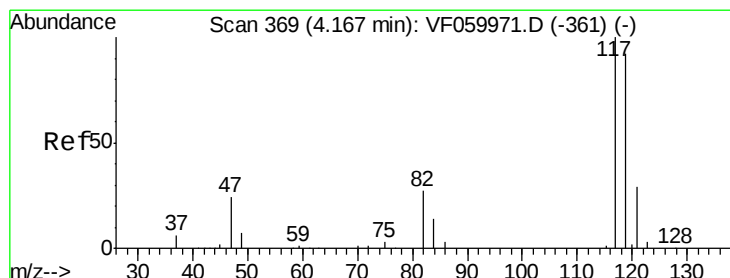
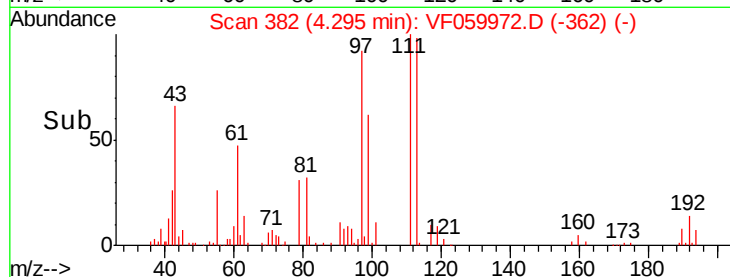
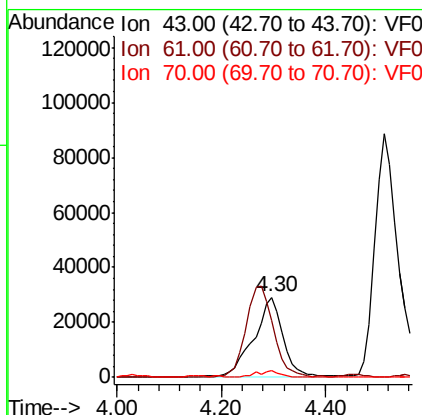
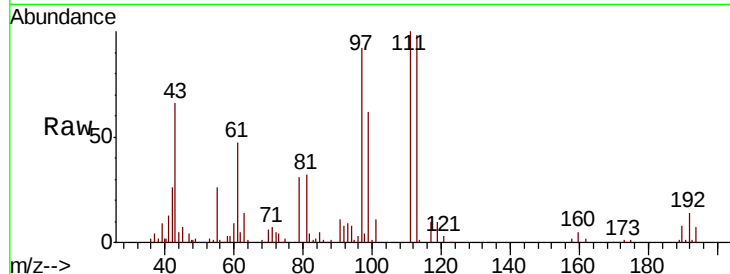
#37
Ethyl Acetate
Concen: 118.02 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	71.2	67.0	100.4
70	8.3	6.7	10.1

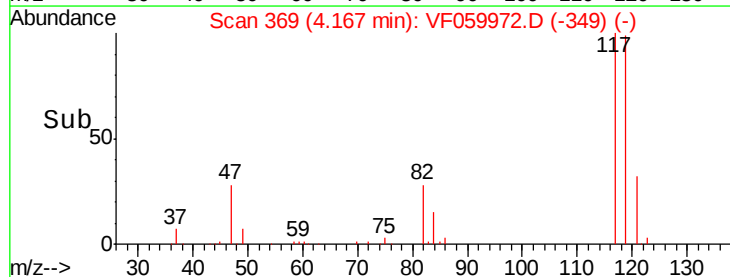
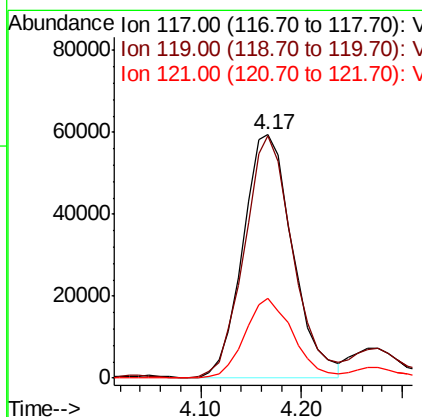
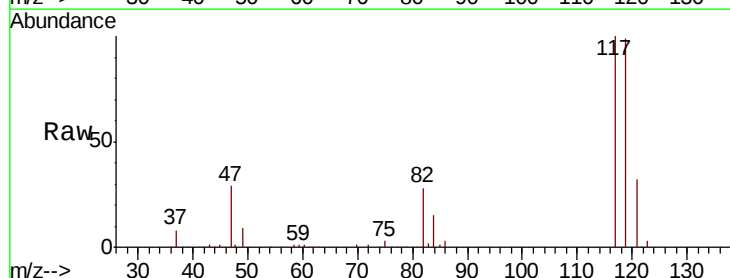
Manual Integrations
APPROVED

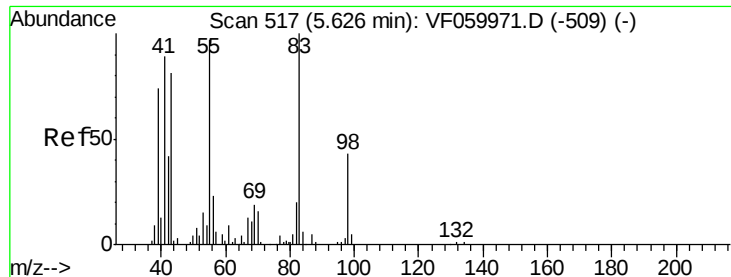
apatel
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#38
Carbon Tetrachloride
Concen: 64.40 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	73.6	110.4
121	32.5	23.4	35.2





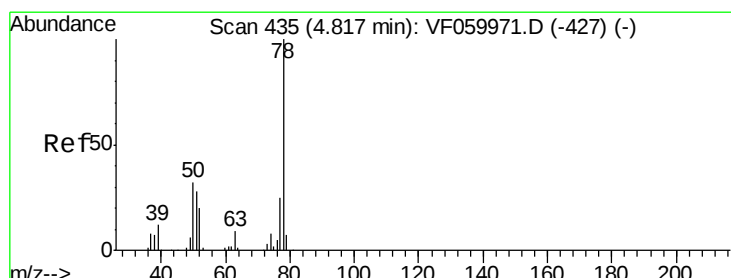
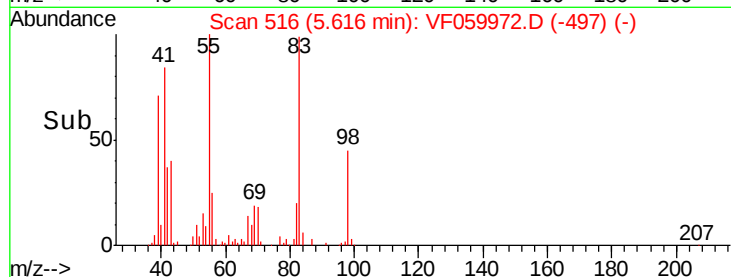
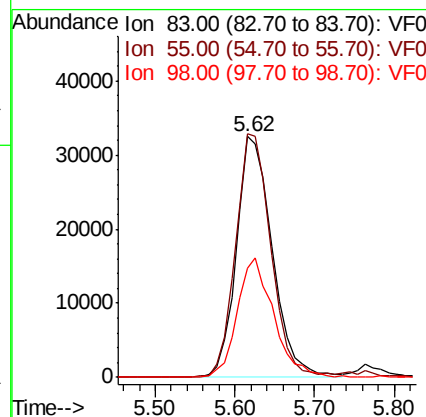
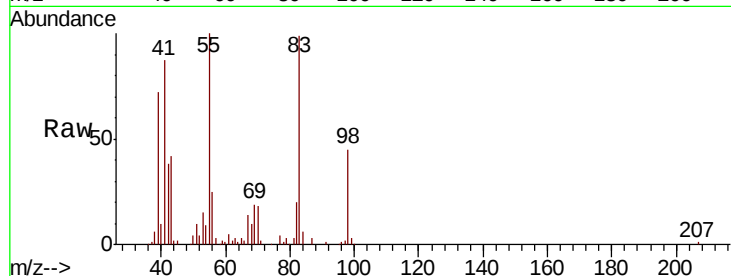
#39
Methvlcvclohexane
Concen: 71.92 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	101.0	77.7	116.5
98	45.5	34.2	51.4

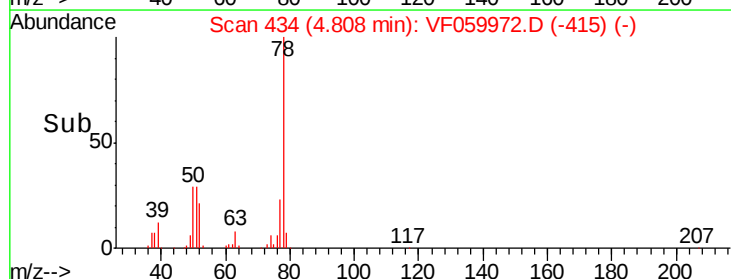
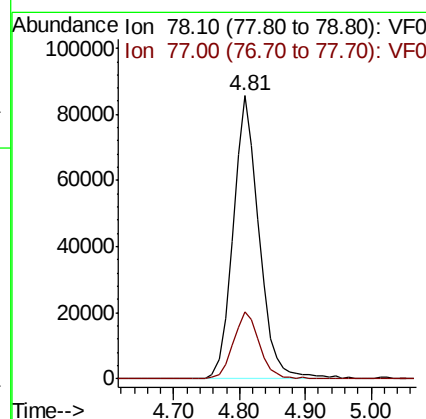
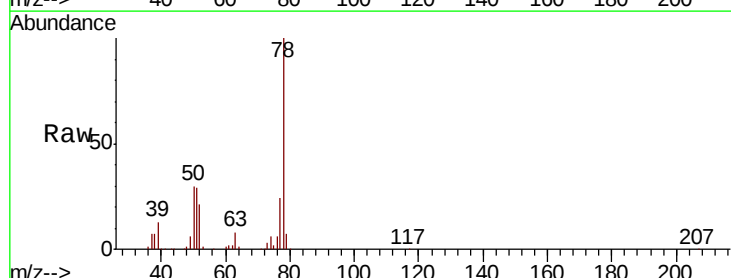
Manual Integrations
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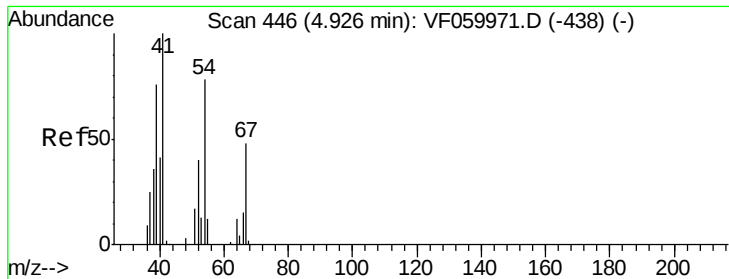
apatel
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#40
Benzene
Concen: 72.04 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	20.3	30.5





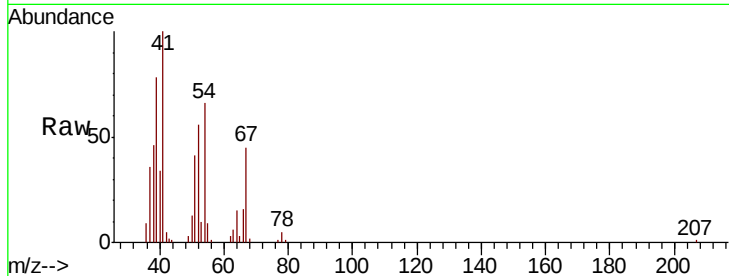
#41
Methacrylonitrile
Concen: 118.42 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

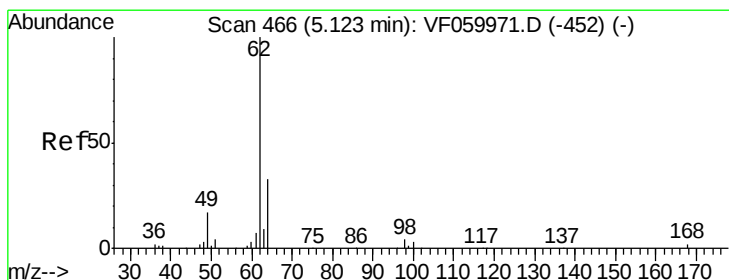
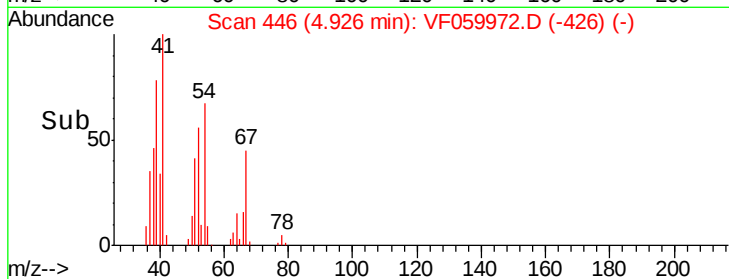
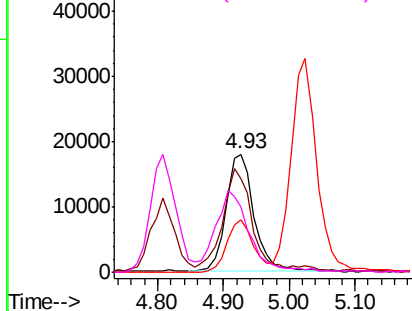
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	78.4	69.9	104.9	
67	44.7	38.6	58.0	
52	55.7	47.9	71.9	

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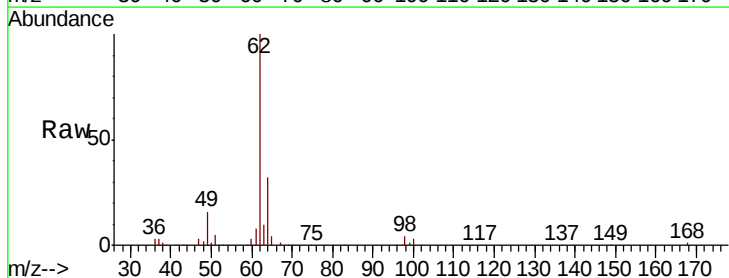


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

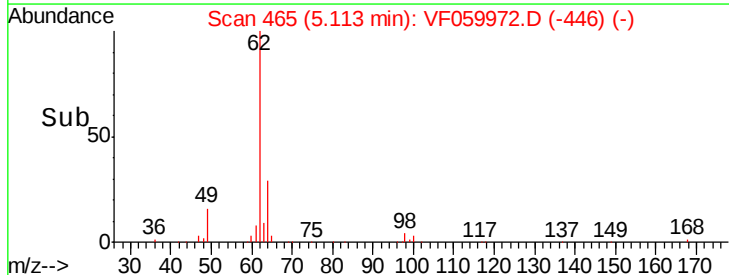
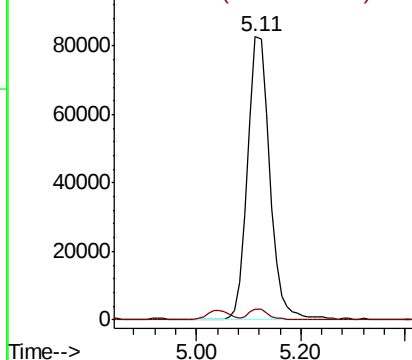


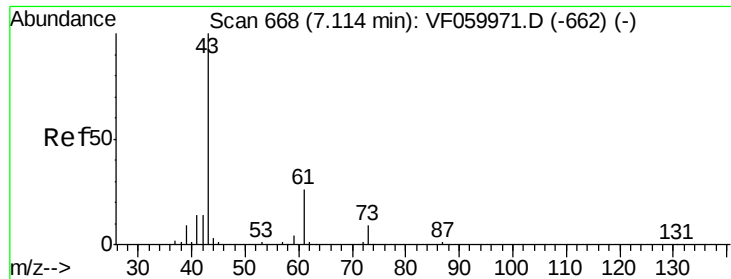
#42
1,2-Dichloroethane
Concen: 87.90 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	3.6	0.0	8.2	



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

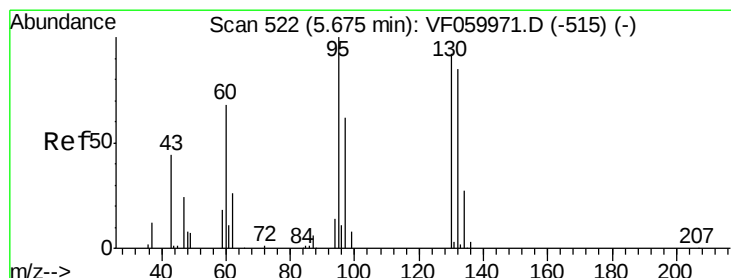
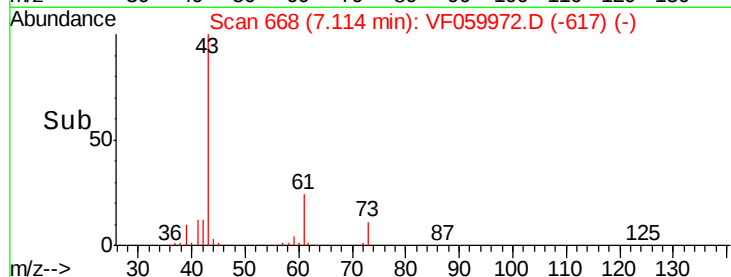
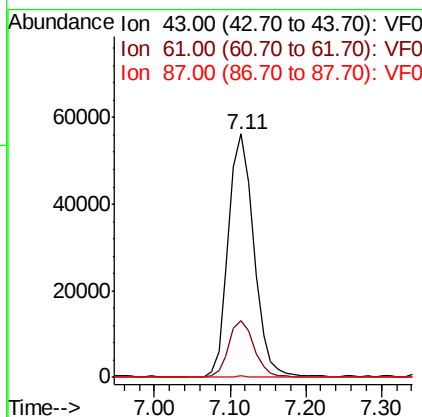
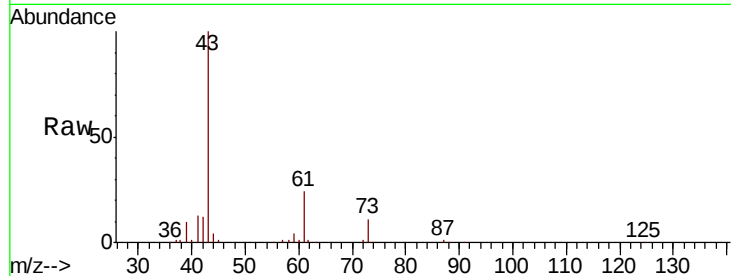
Isopropyl Acetate
 Concen: 127.08 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.5	20.8	31.2
87	0.8	0.5	0.7#

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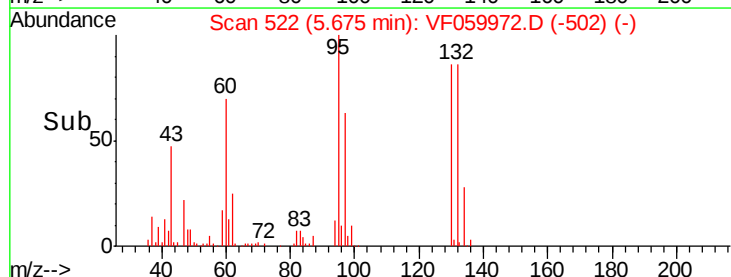
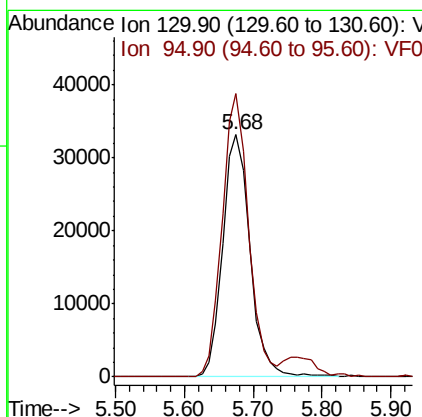
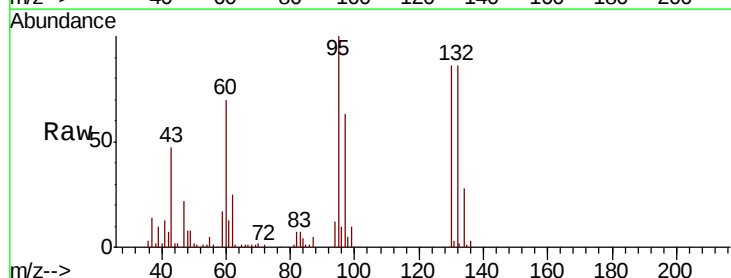
apatel
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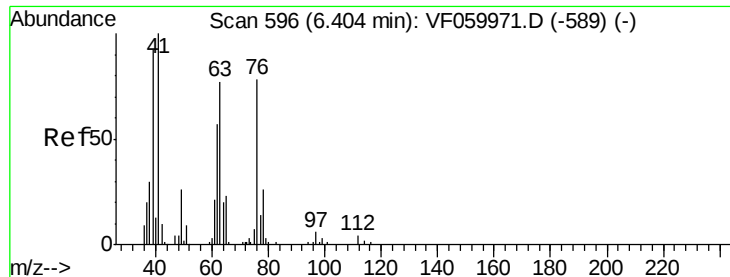


#44

Trichloroethene
 Concen: 71.96 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.8	0.0	218.4





#45

1,2-Dichloropropane

Concen: 81.96 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 73096

Ion Ratio Lower Upper

63 100

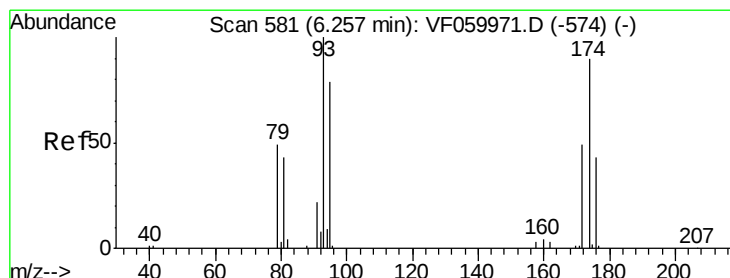
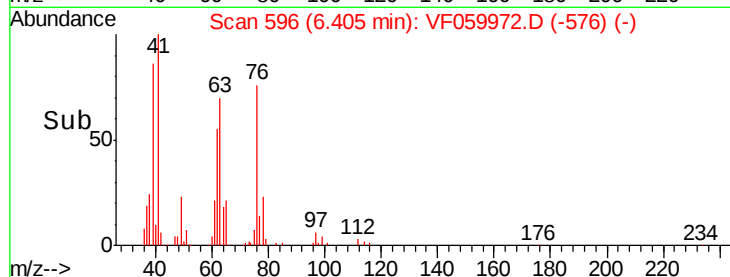
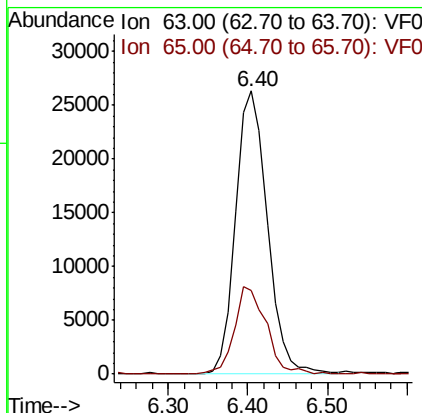
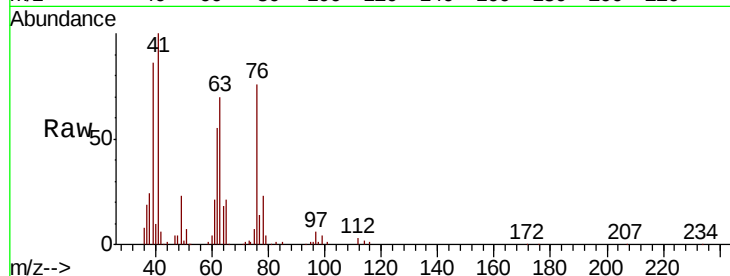
65 29.5 23.8 35.6

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#46

Dibromomethane

Concen: 94.98 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

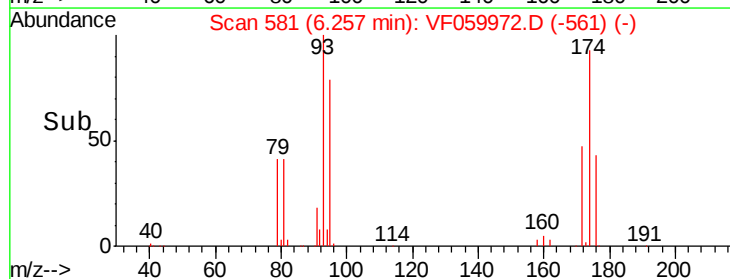
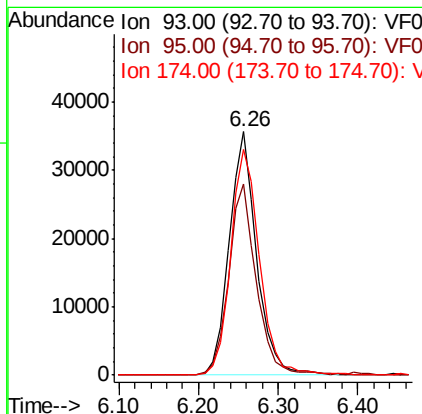
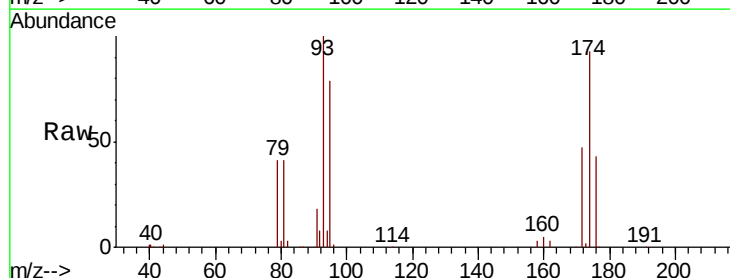
Tgt Ion: 93 Resp: 85837

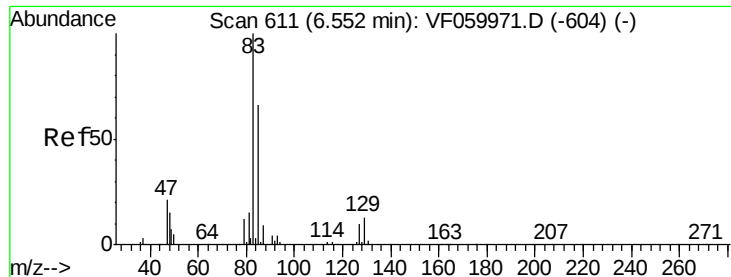
Ion Ratio Lower Upper

93 100

95 78.6 64.0 96.0

174 92.6 71.8 107.8





#47

Bromodichloromethane

Concen: 81.86 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

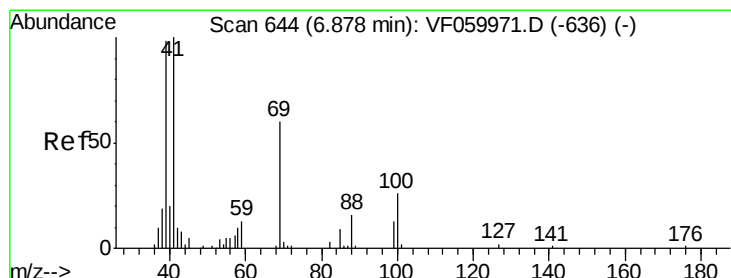
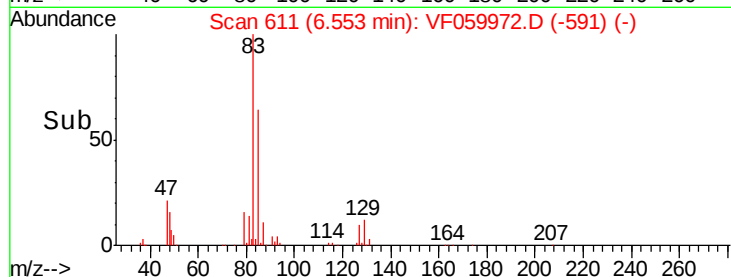
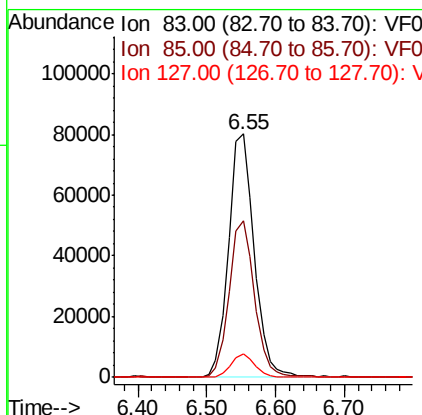
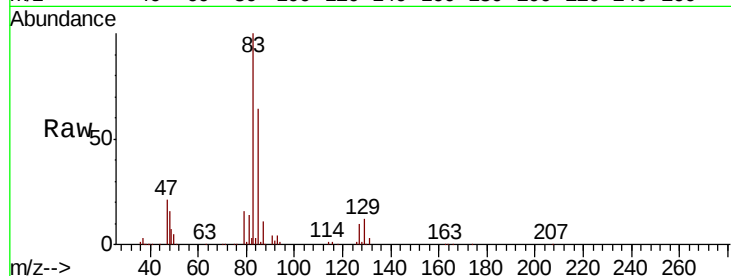
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	207647
Ion Ratio	Lower	Upper	
83	100		
85	64.1	53.2	79.8
127	9.6	8.4	12.6

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#48

Methyl methacrylate

Concen: 122.75 ug/l

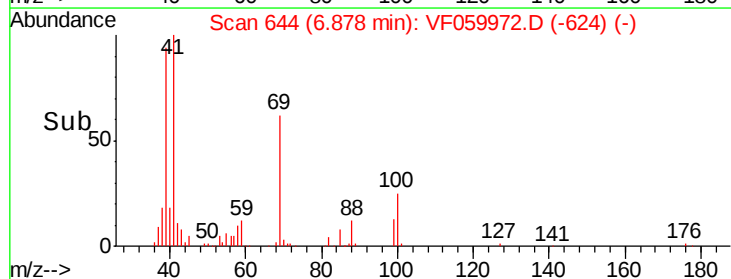
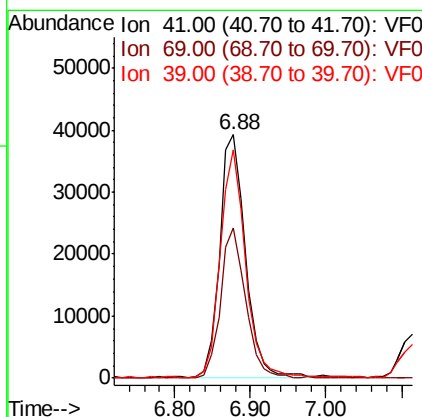
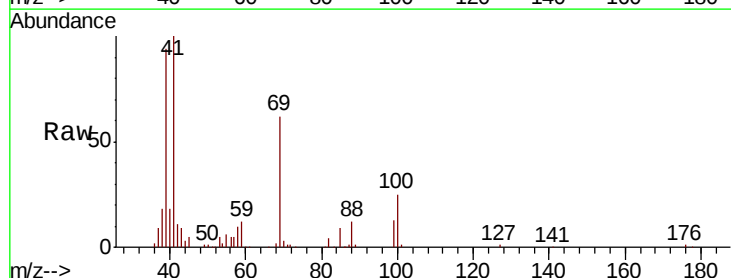
RT: 6.88 min Scan# 644

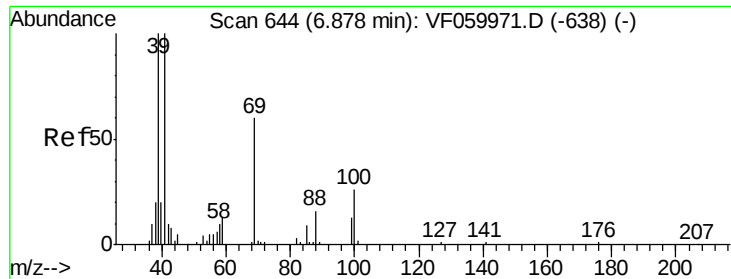
Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Tgt Ion:	41	Resp:	94012
Ion Ratio	Lower	Upper	
41	100		
69	61.9	48.1	72.1
39	93.6	79.3	118.9





#49

1,4-Dioxane

Concen: 2981.86 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

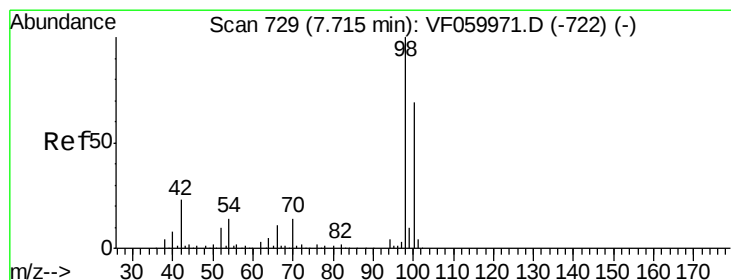
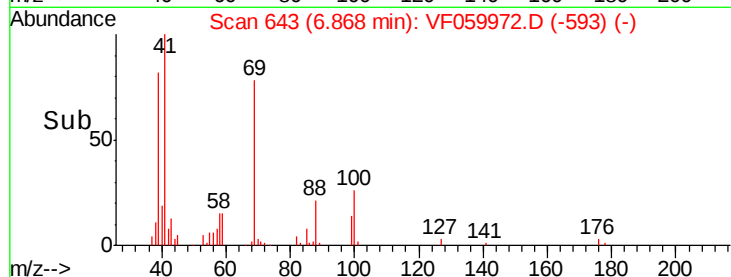
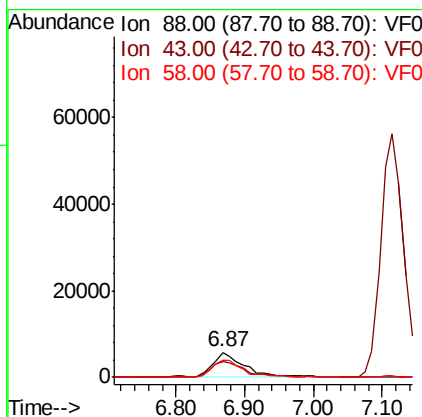
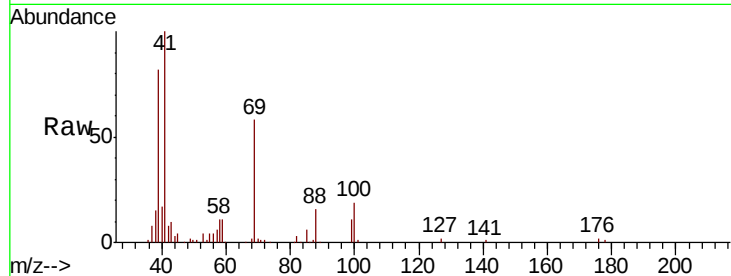
ClientSampleId :

VSTDIC075

Tot Ion:	88	Resp:	18433
Ion Ratio	Lower	Upper	
88	100		
43	62.9	45.3	67.9
58	68.4	51.2	76.8

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#50

Toluene-d8

Concen: 74.11 ug/l

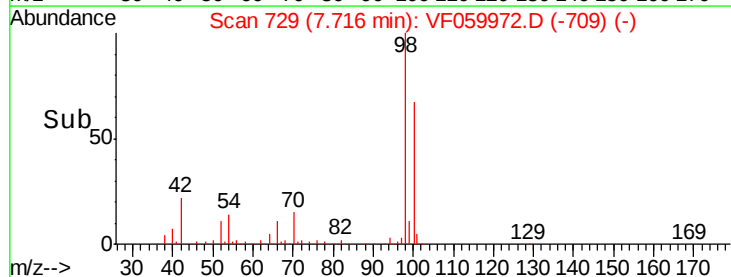
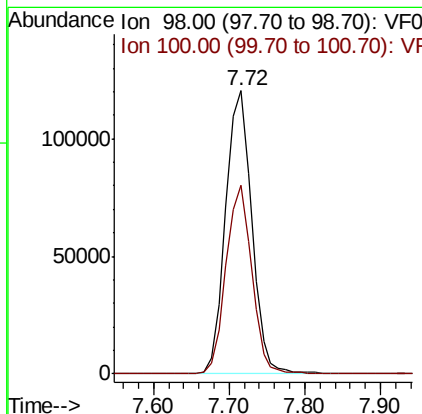
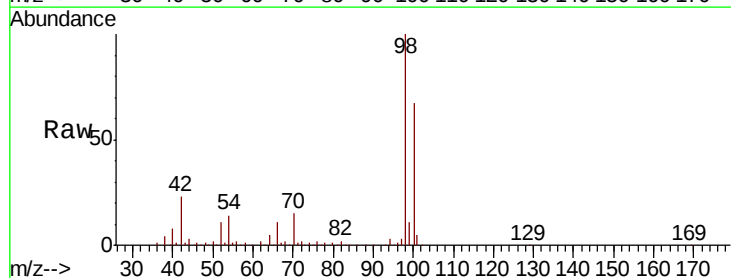
RT: 7.72 min Scan# 729

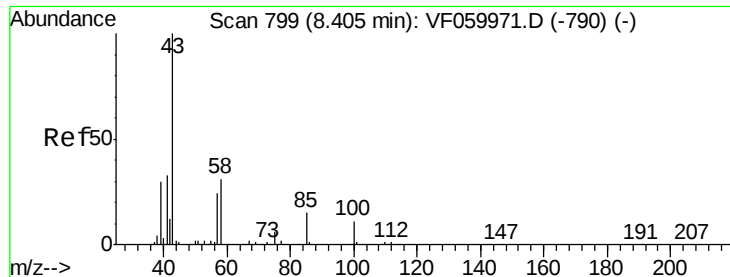
Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Tgt Ion:	98	Resp:	289379
Ion Ratio	Lower	Upper	
98	100		
100	66.5	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 584.10 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 578626

Ion Ratio Lower Upper

43 100

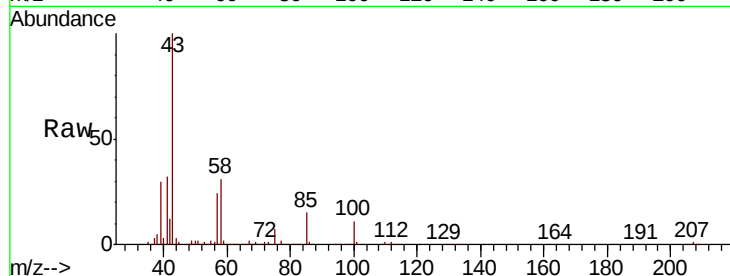
58 31.4 24.6 37.0

Manual Integrations

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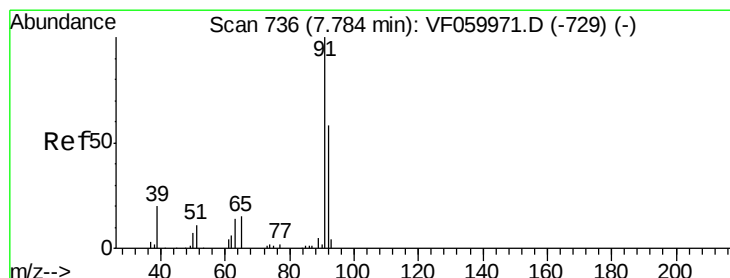
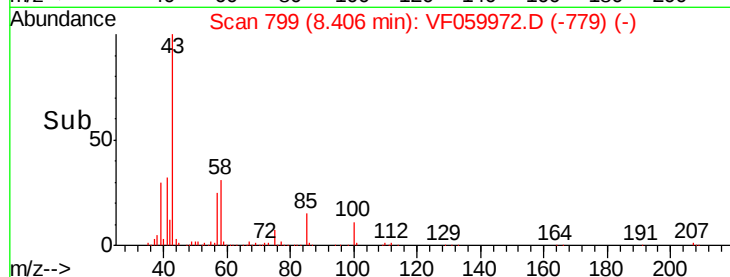
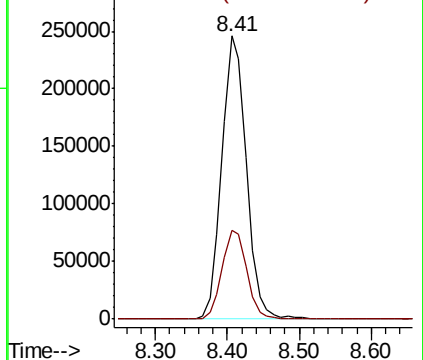
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 73.24 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059972.D

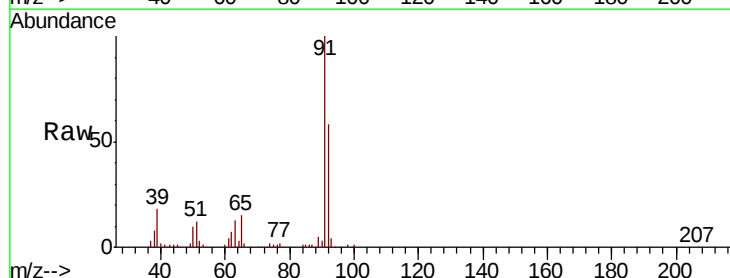
Acq: 16 Aug 2018 21:03

Tgt Ion: 92 Resp: 180271

Ion Ratio Lower Upper

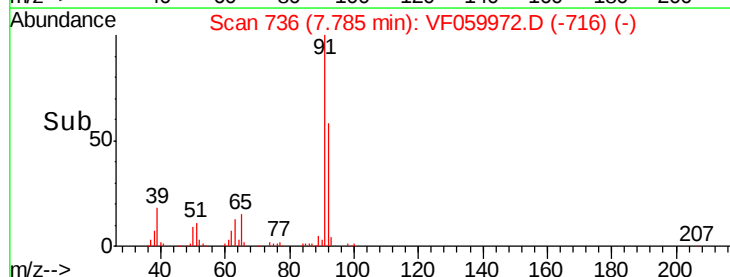
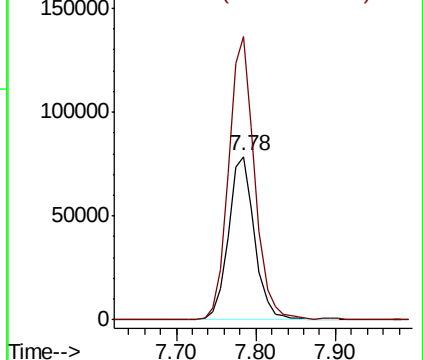
92 100

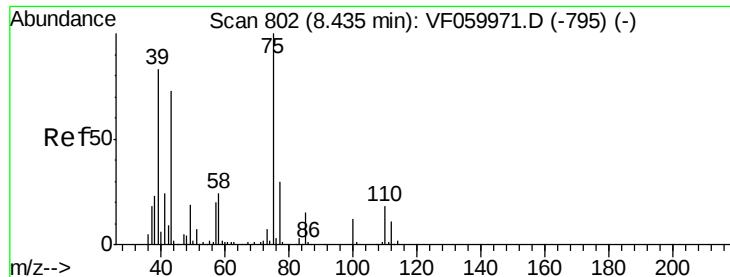
91 173.1 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 83.75 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Tot Ion: 75 Resp: 176380

Ion Ratio Lower Upper

75 100

77 32.4 23.5 35.3

Instrument :

MSVOA_F

ClientSampleId :

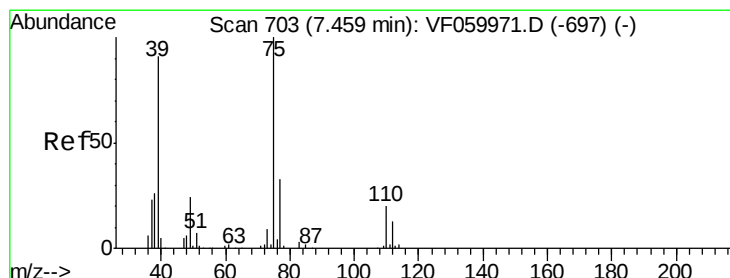
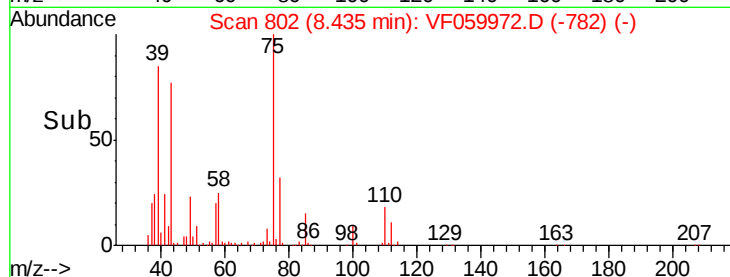
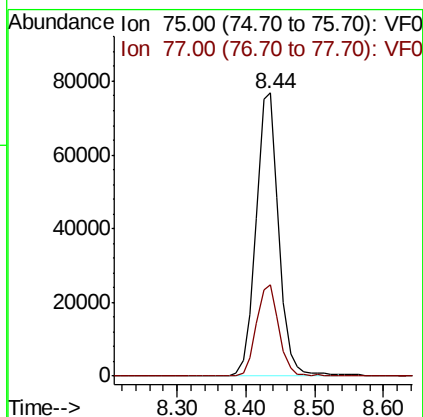
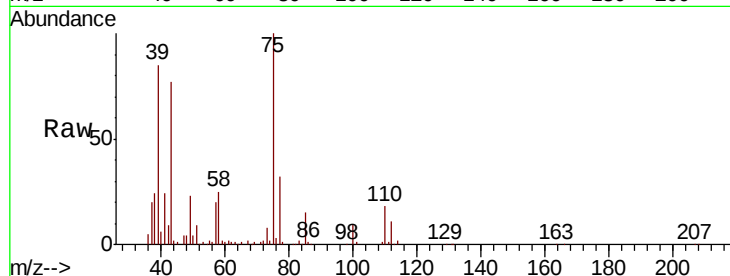
VSTDIC075

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#54

cis-1,3-Dichloropropene

Concen: 87.37 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

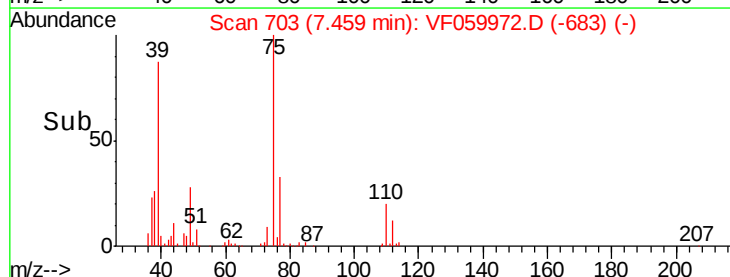
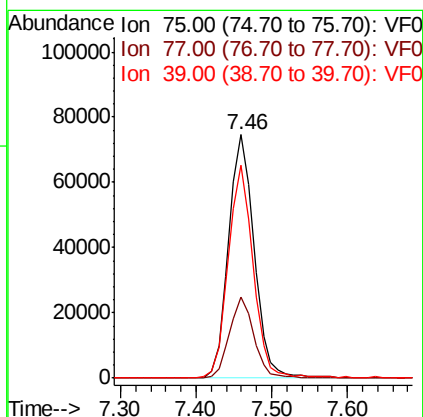
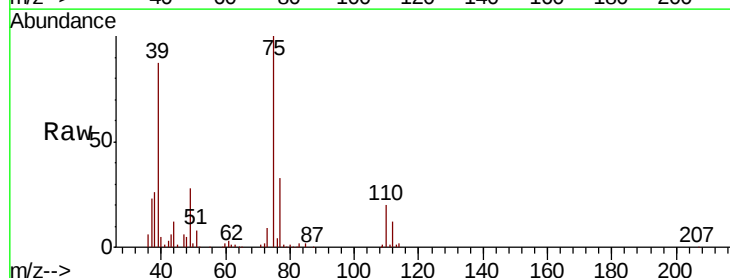
Tgt Ion: 75 Resp: 174123

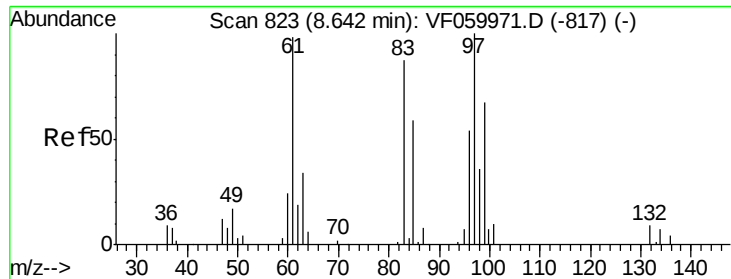
Ion Ratio Lower Upper

75 100

77 33.4 26.2 39.4

39 87.3 73.2 109.8





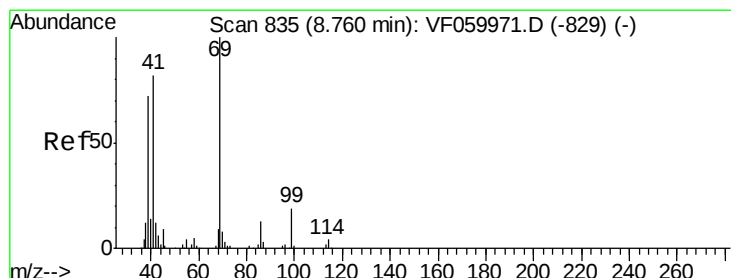
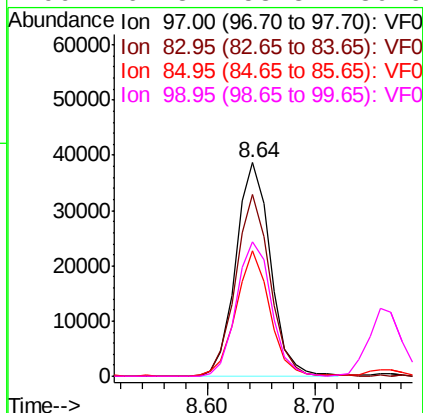
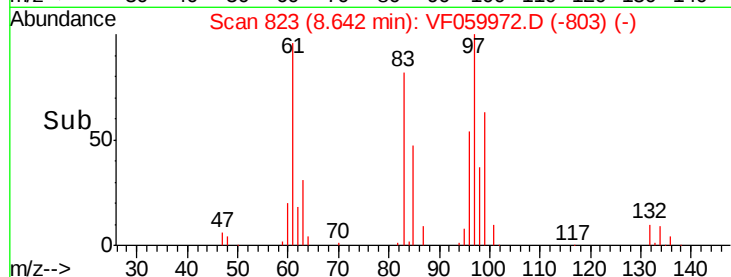
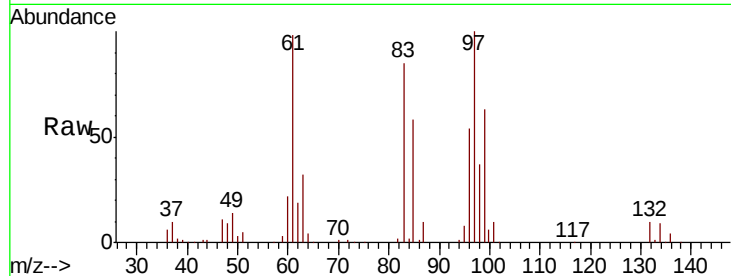
#55
 1,1,2-Trichloroethane
 Concen: 96.84 ug/l
 RT: 8.64 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:	97	Resp:	86249
Ion	Ratio	Lower	Upper
97	100		
83	84.9	69.7	104.5
85	58.5	47.4	71.2
99	62.8	53.8	80.6

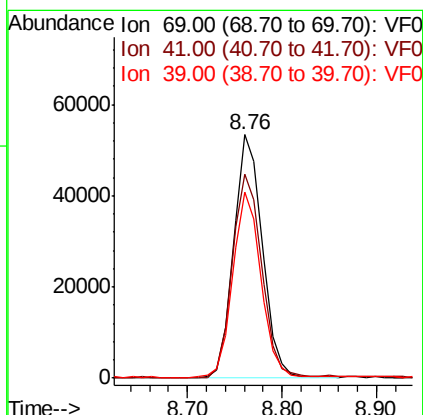
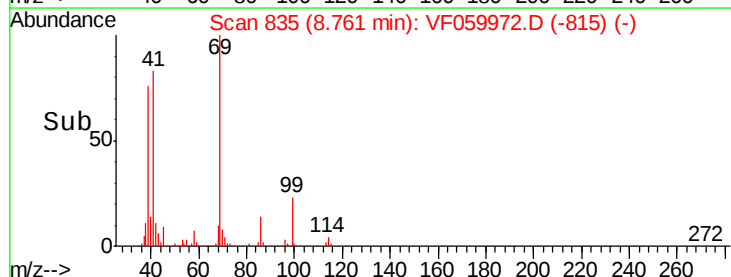
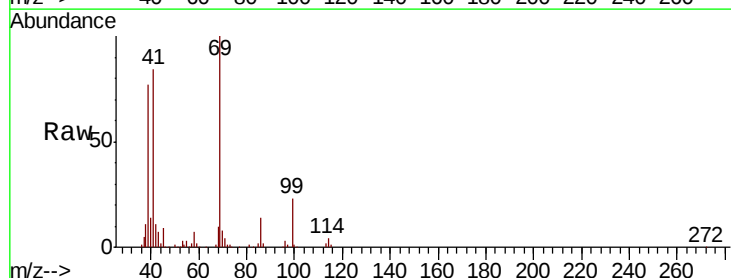
Manual Integrations
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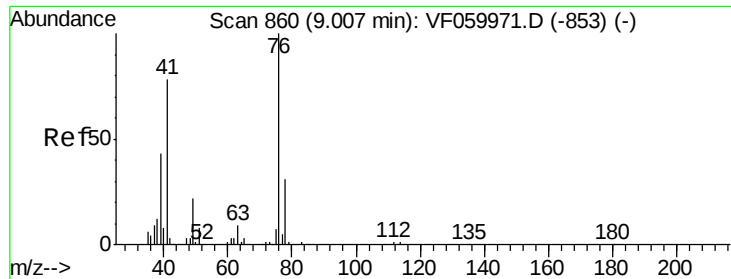
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#56
 Ethyl methacrylate
 Concen: 112.48 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Tgt Ion:	69	Resp:	112025
Ion	Ratio	Lower	Upper
69	100		
41	83.6	65.6	98.4
39	76.5	58.1	87.1





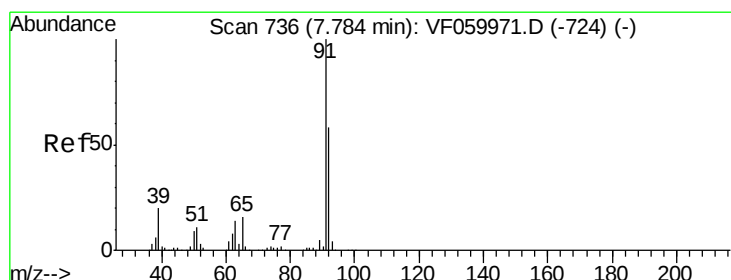
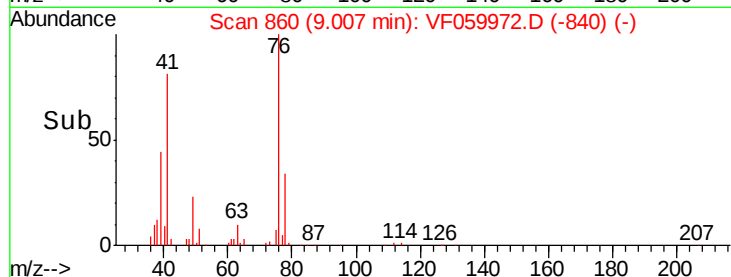
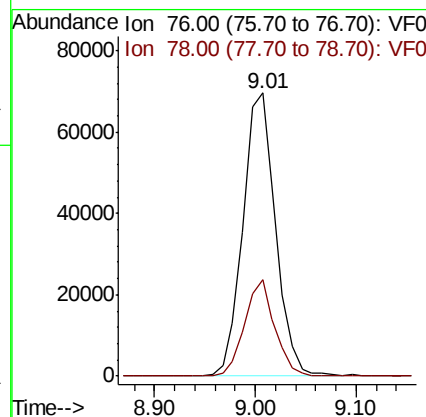
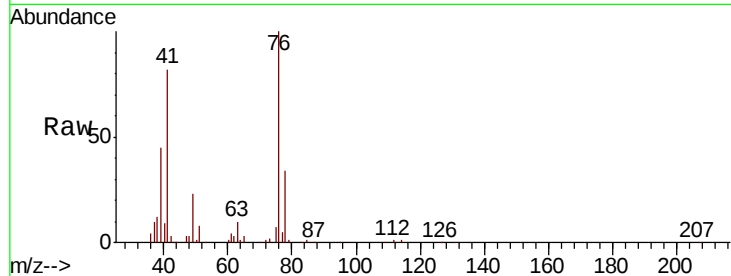
#57
 1,3-Dichloropropane
 Concen: 96.03 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.2	24.7	37.1

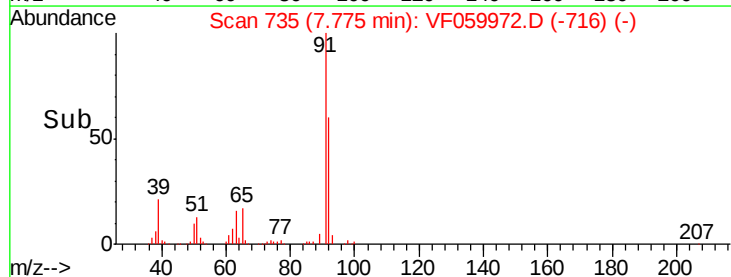
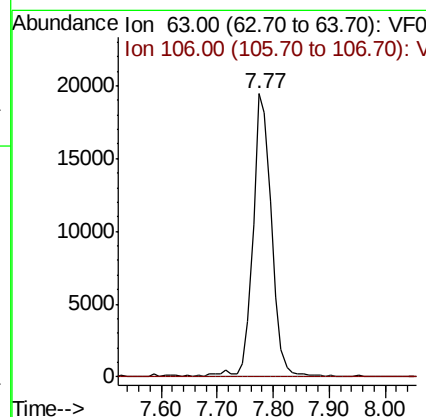
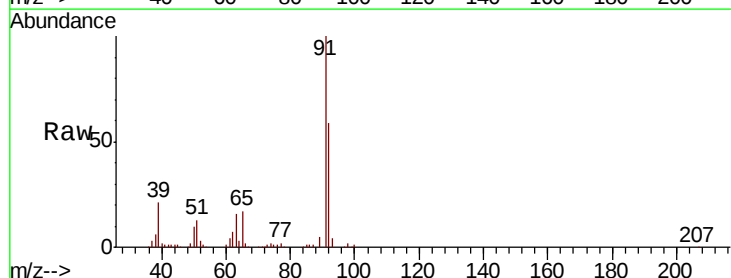
Manual Integrations
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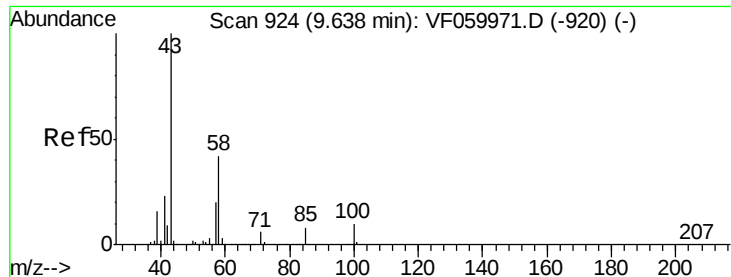
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 369.70 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





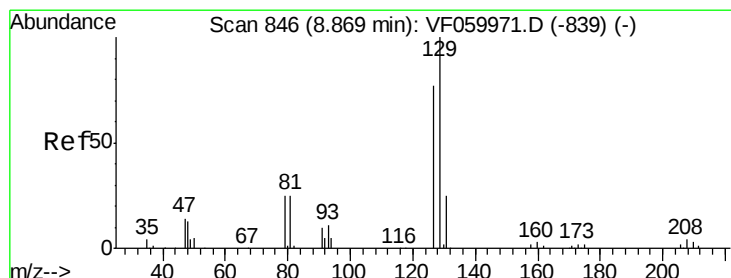
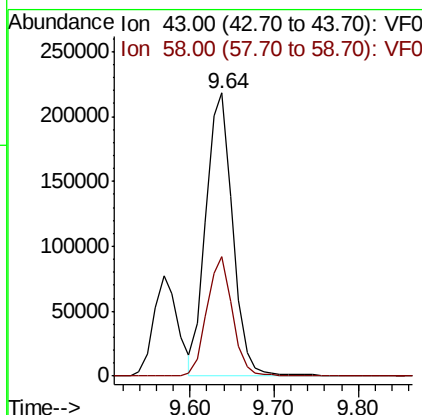
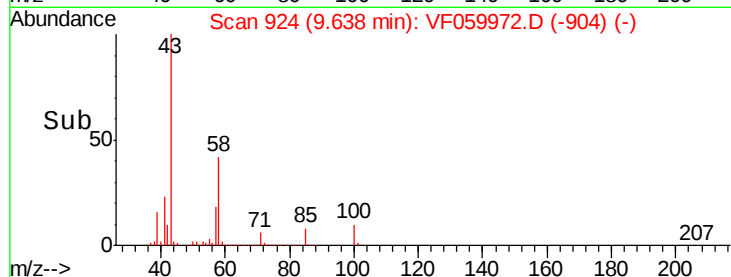
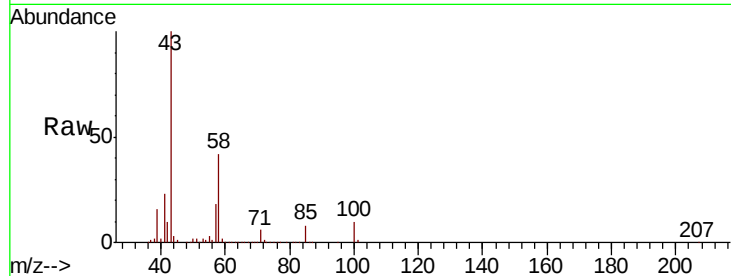
#59
2-Hexanone
Concen: 638.05 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.3	19.8	59.3

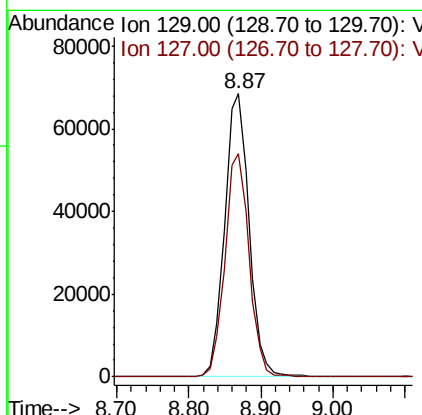
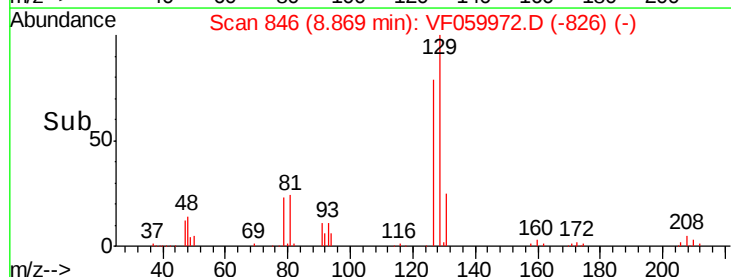
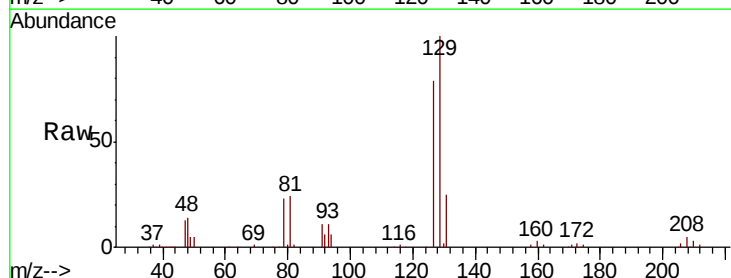
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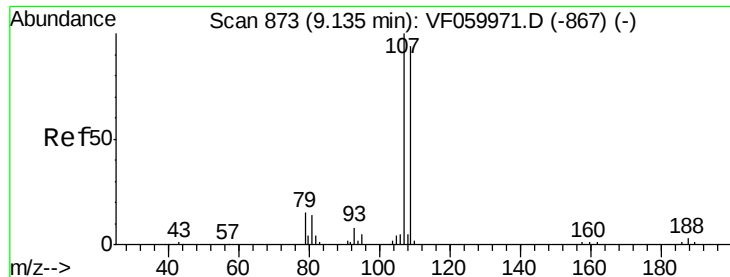
apatel
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#60
Dibromochloromethane
Concen: 93.09 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2





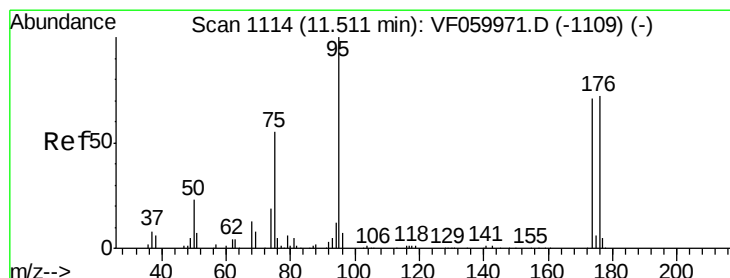
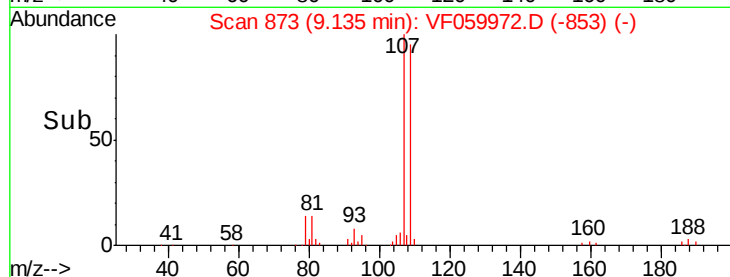
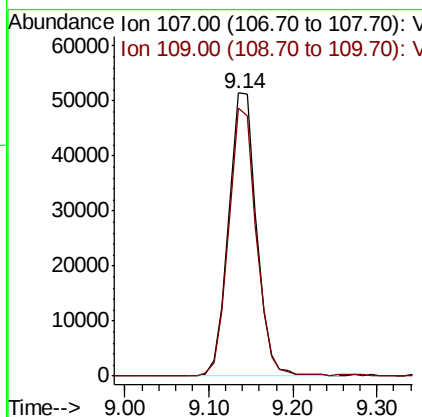
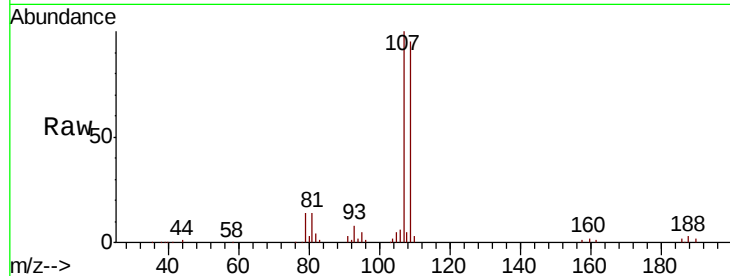
#61
 1,2-Dibromoethane
 Concen: 105.55 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.0

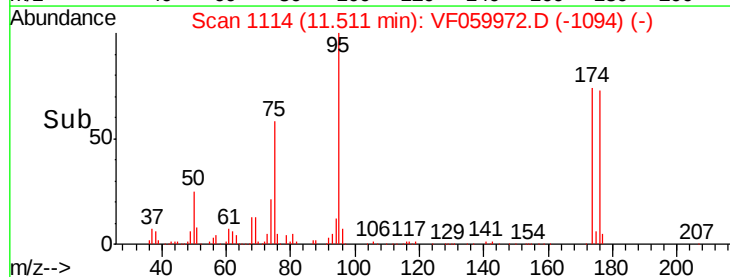
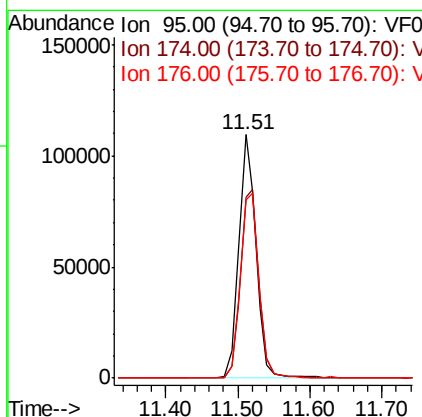
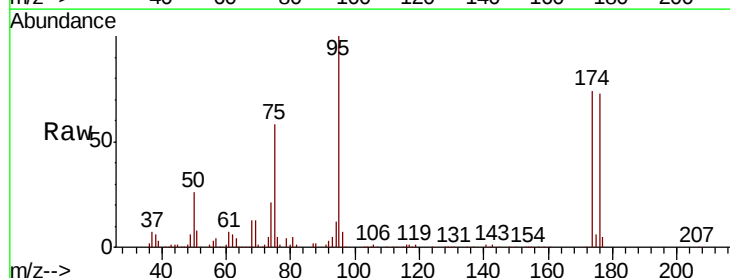
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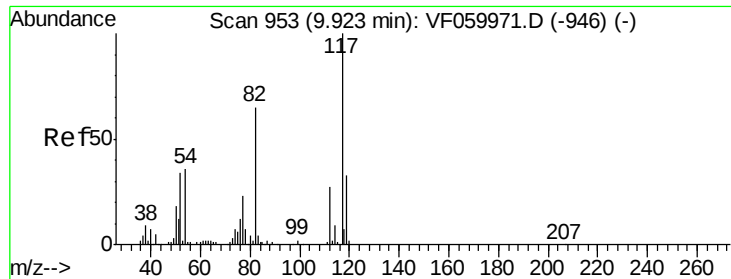
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#62
 4-Bromofluorobenzene
 Concen: 82.80 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	142.8
176	73.4	0.0	143.4





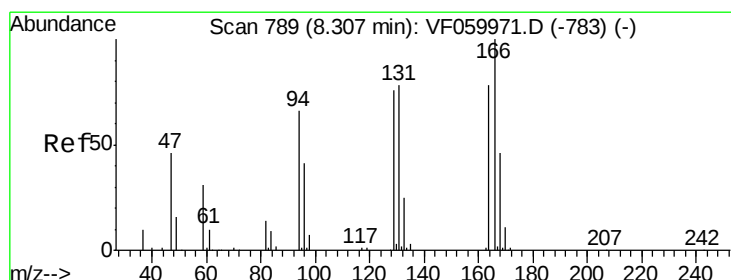
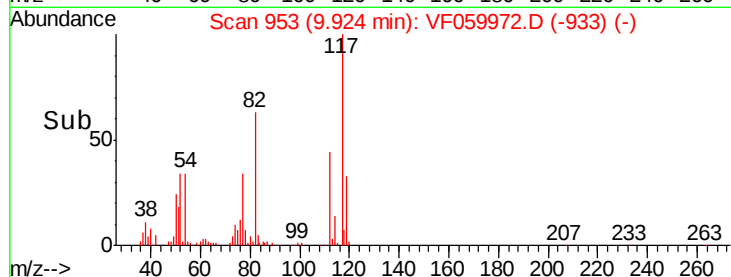
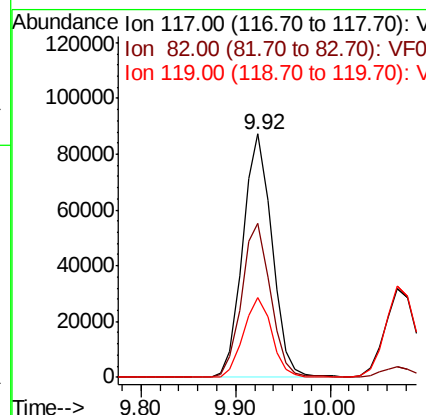
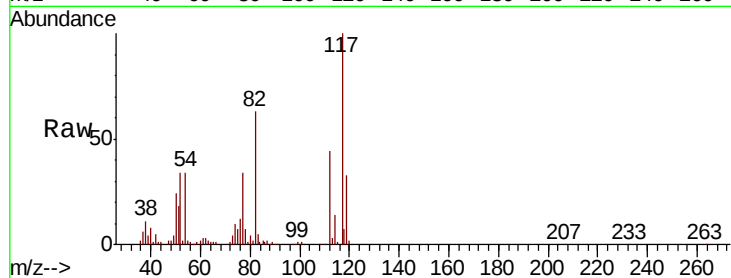
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.3	52.0	78.0
119	33.0	26.6	39.8

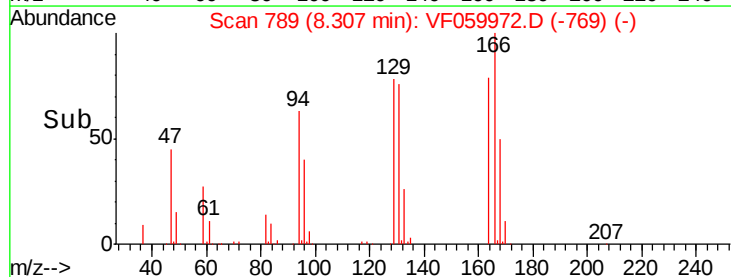
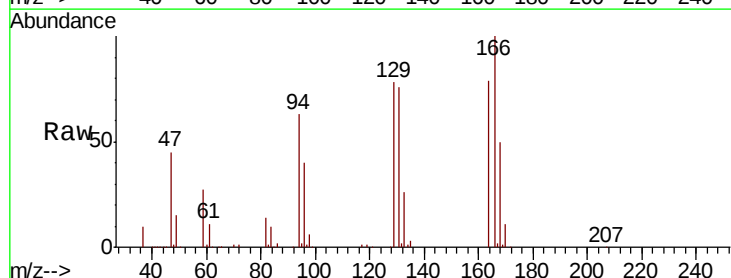
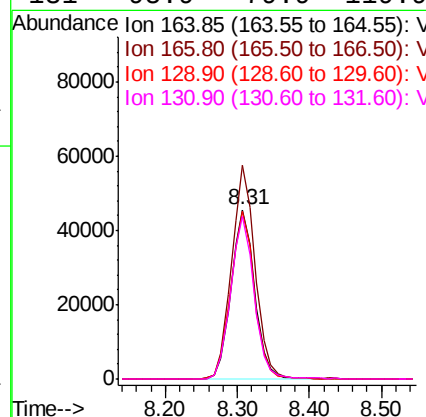
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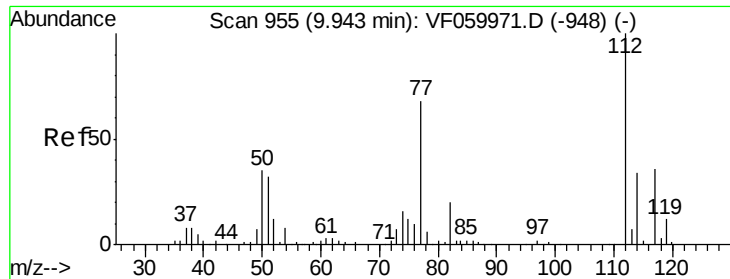
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#64
Tetrachloroethene
Concen: 71.11 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.2	153.2
129	99.1	77.8	116.6
131	95.9	79.9	119.9





#65

Chlorobenzene

Concen: 73.16 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:112 Resp: 263662

Ion Ratio Lower Upper

112 100

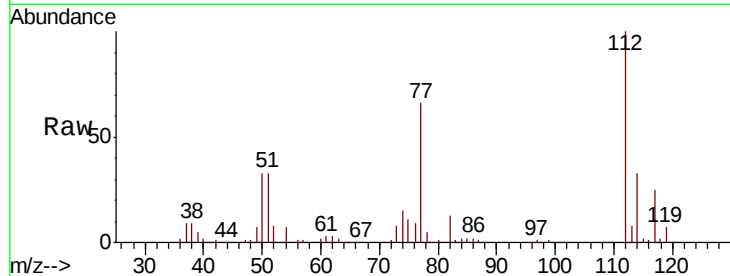
114 32.5 27.0 40.4

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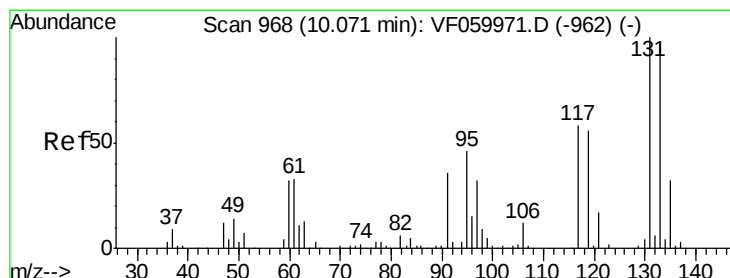
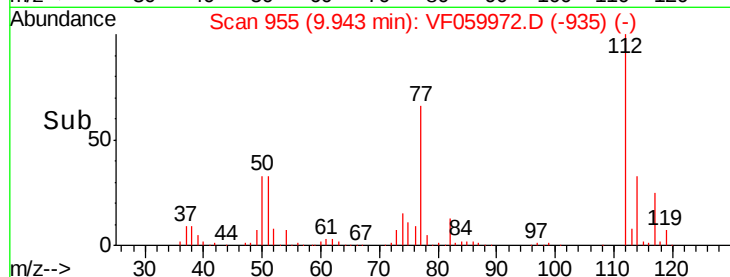
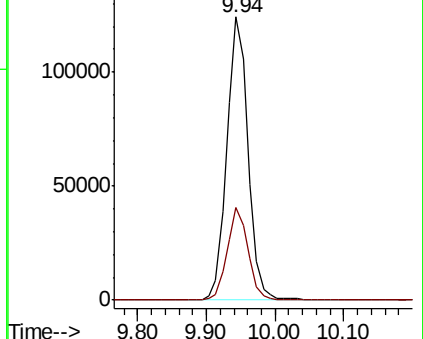
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 72.45 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

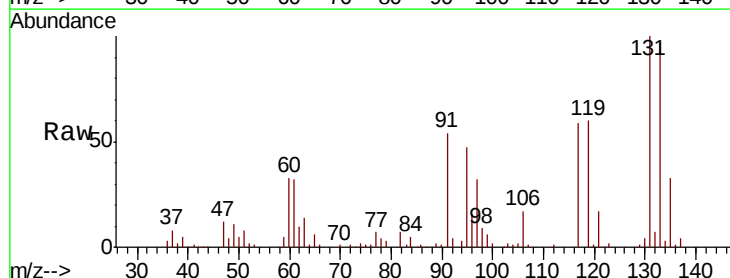
Tgt Ion:131 Resp: 125942

Ion Ratio Lower Upper

131 100

133 97.4 48.5 145.6

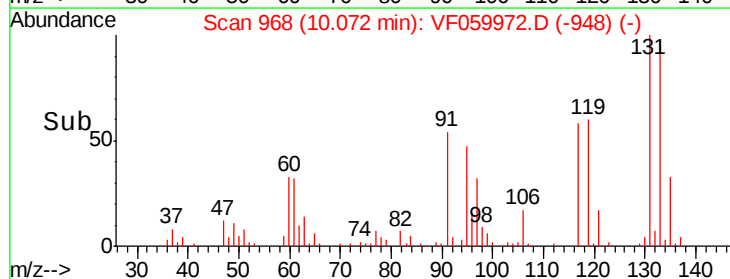
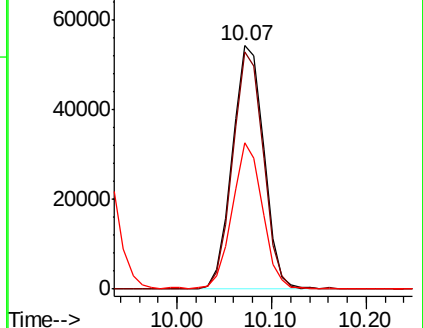
119 60.1 28.4 85.2

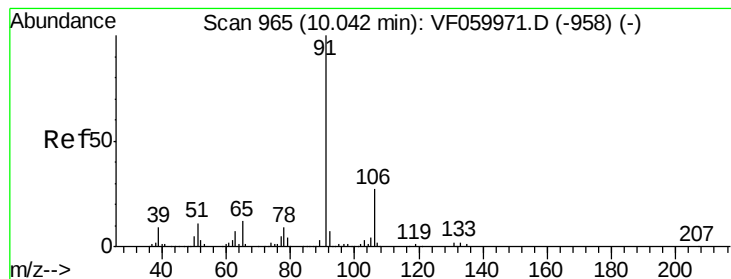


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 73.95 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 472002

Ion Ratio Lower Upper

91 100

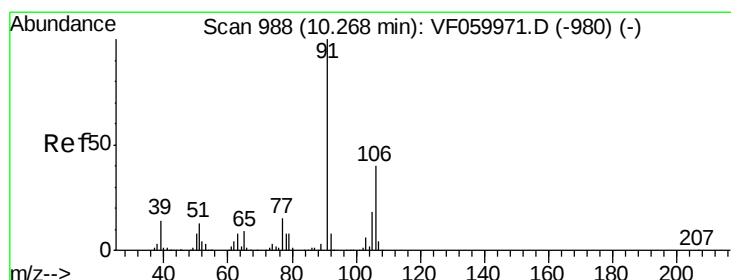
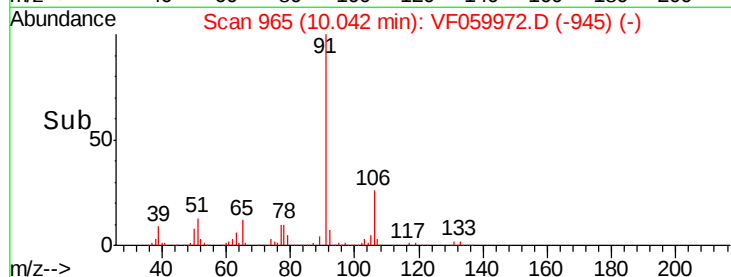
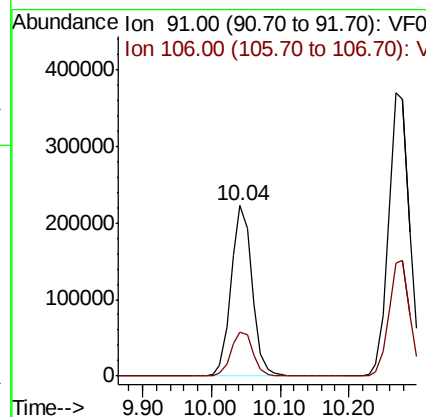
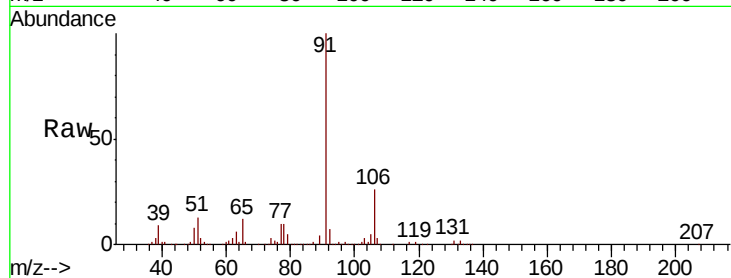
106 26.0 21.8 32.8

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#68

m/p-Xylenes

Concen: 150.65 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF059972.D

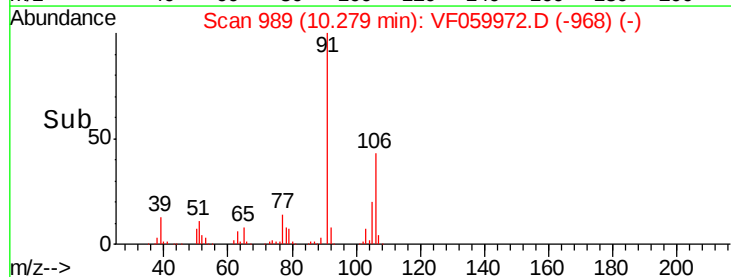
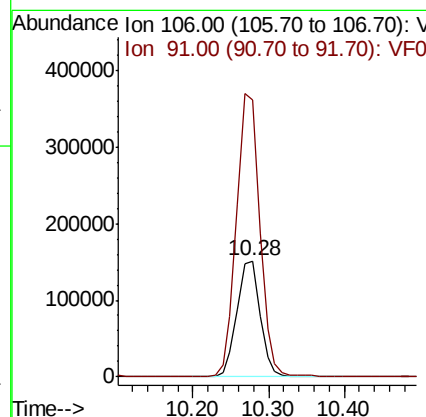
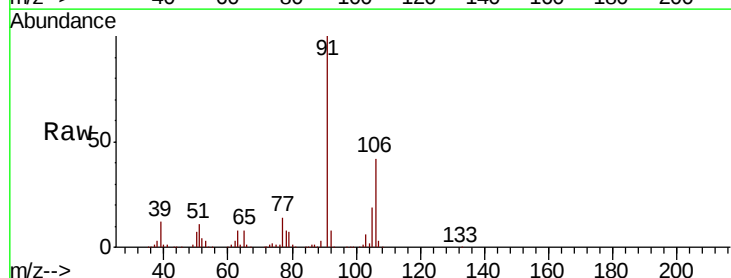
Acq: 16 Aug 2018 21:03

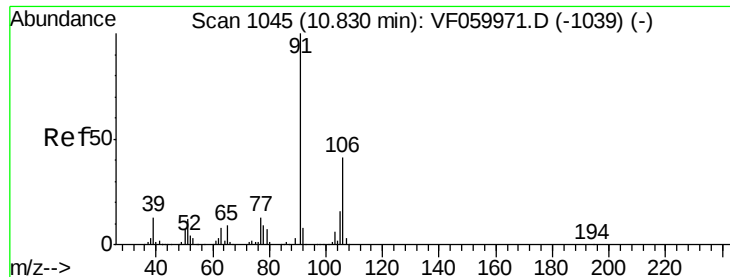
Tgt Ion: 106 Resp: 324033

Ion Ratio Lower Upper

106 100

91 238.7 198.0 297.0





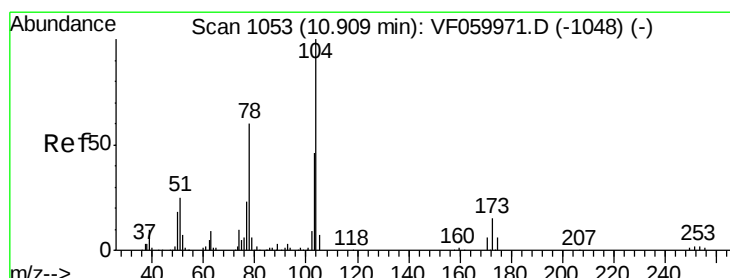
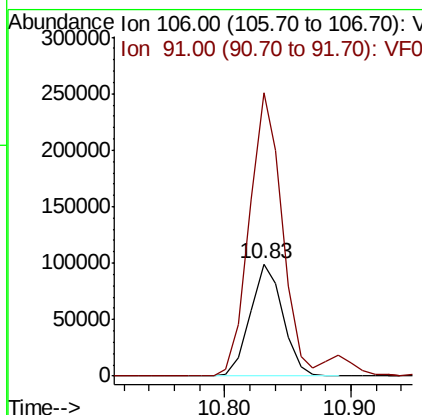
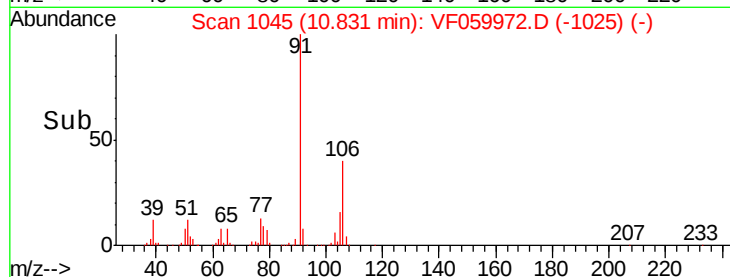
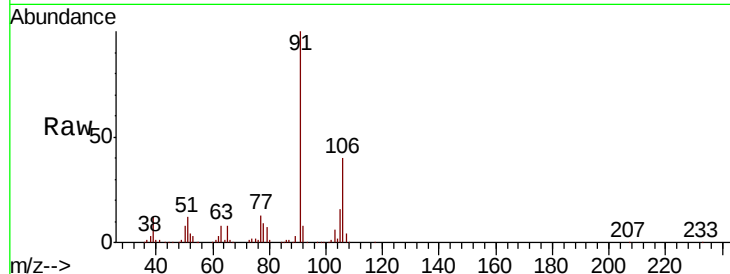
#69
o-Xylene
Concen: 76.93 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 179380
Ion Ratio Lower Upper
106 100
91 252.8 121.9 365.7

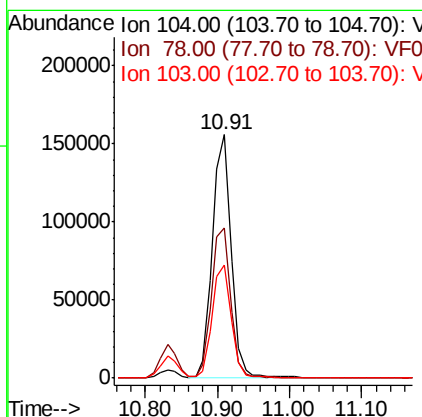
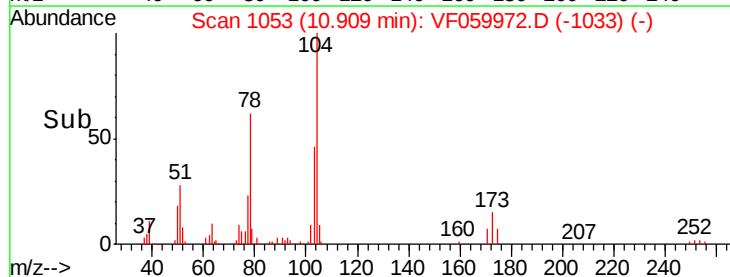
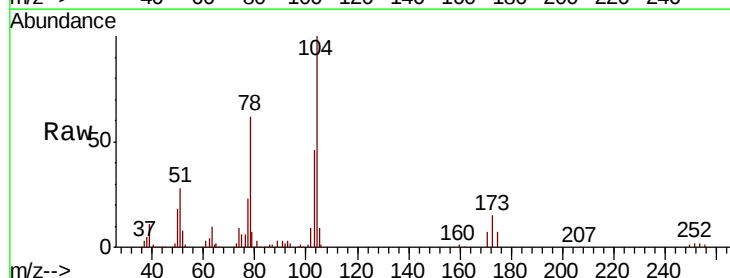
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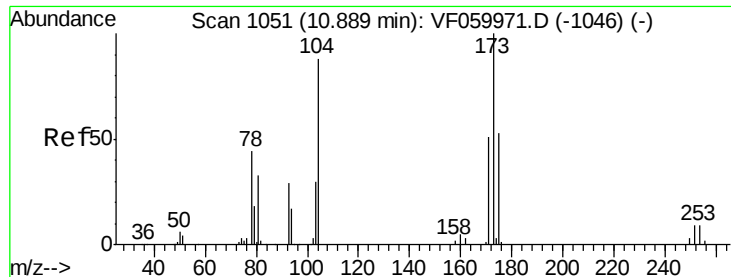
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#70
Styrene
Concen: 79.66 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion:104 Resp: 278696
Ion Ratio Lower Upper
104 100
78 61.8 49.0 73.4
103 46.2 37.5 56.3





#71

Bromoform

Concen: 100.50 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

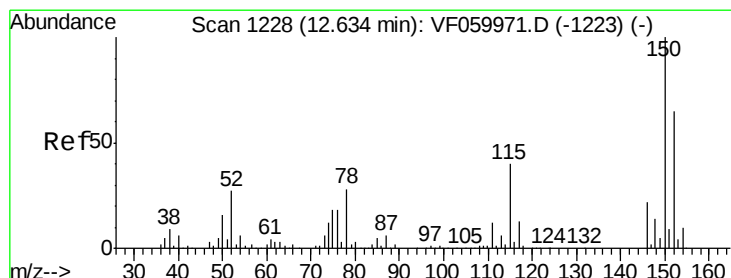
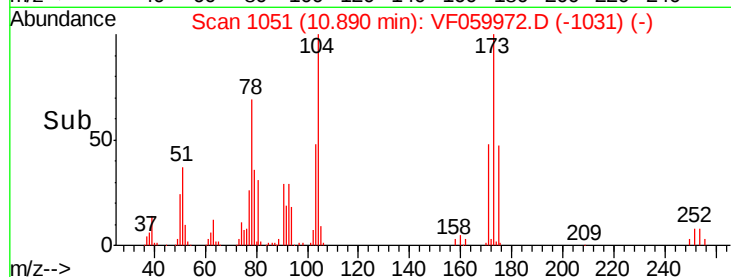
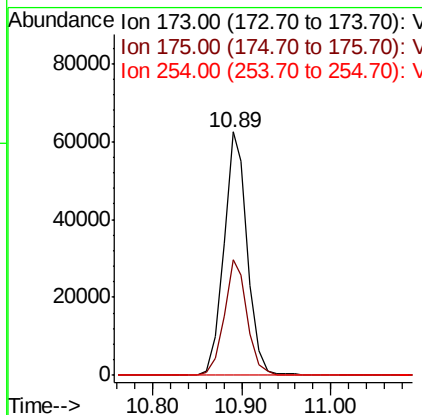
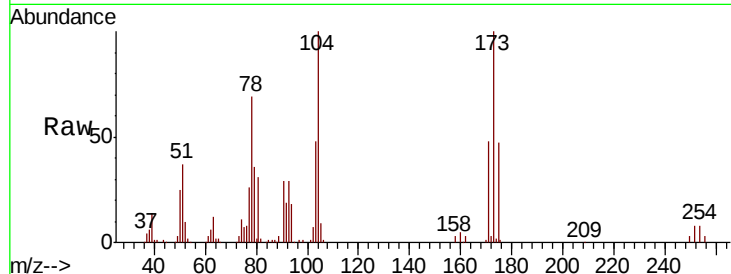
ClientSampleId :

VSTDIC075

Tot Ion:	173	Resp:	115321
Ion Ratio	Lower	Upper	
173	100		
175	47.4	26.3	78.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

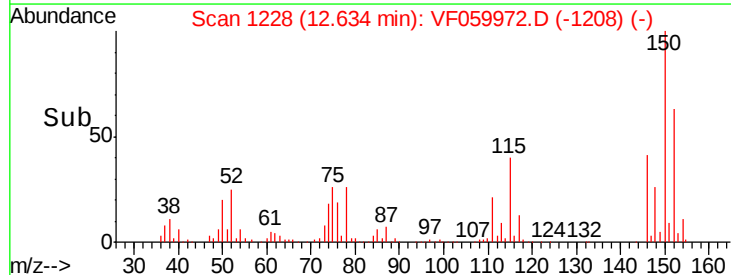
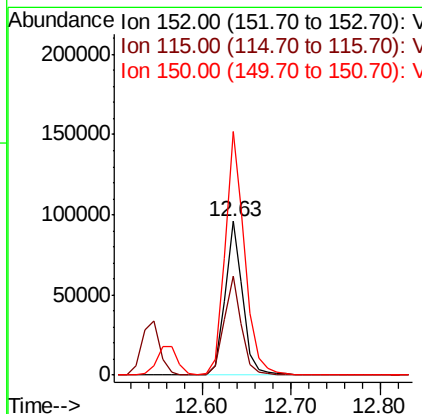
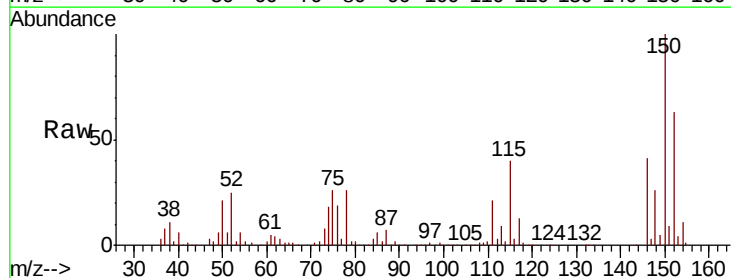
RT: 12.63 min Scan# 1228

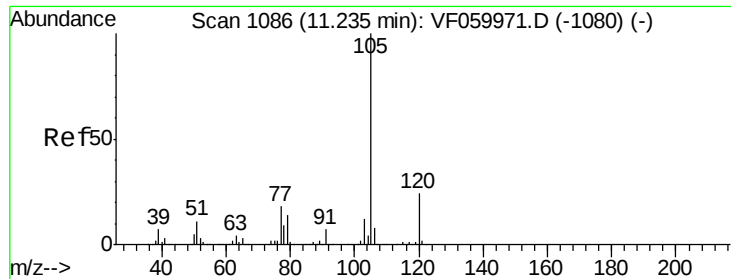
Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Tgt Ion:	152	Resp:	134174
Ion Ratio	Lower	Upper	
152	100		
115	64.0	30.6	92.0
150	158.3	0.0	308.2





#73

Isopropylbenzene

Concen: 68.70 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 569896

Ion Ratio Lower Upper

105 100

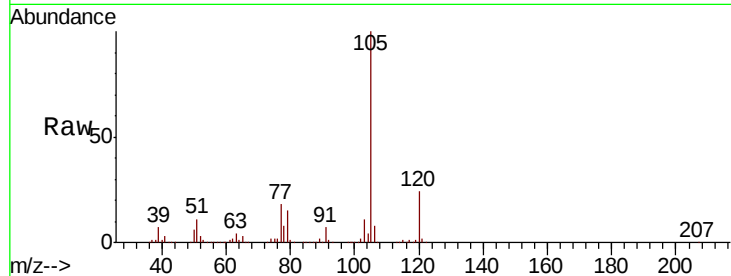
120 23.6 11.9 35.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

300000

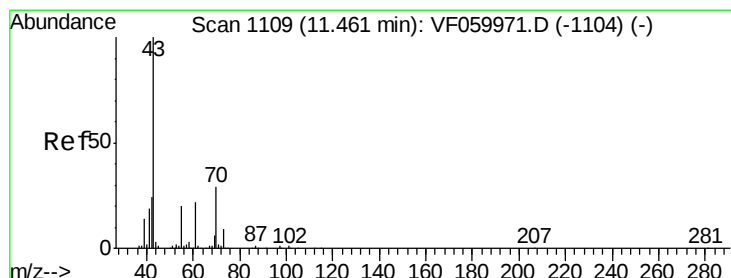
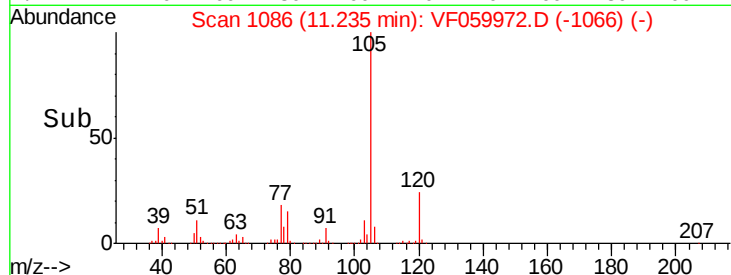
200000

100000

0

Time-->

11.20 11.40



#74

N-ethyl acetate

Concen: 107.12 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Tgt Ion: 43 Resp: 215378

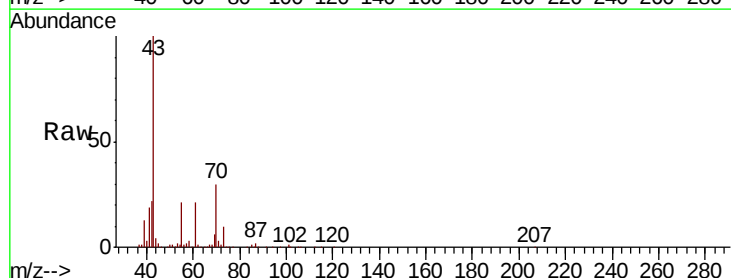
Ion Ratio Lower Upper

43 100

70 29.6 23.2 34.8

55 20.6 15.8 23.8

61 20.7 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

200000

150000

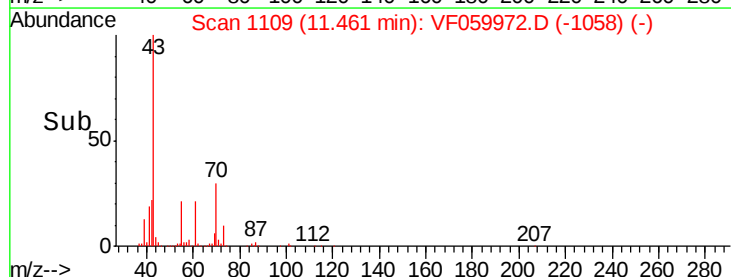
100000

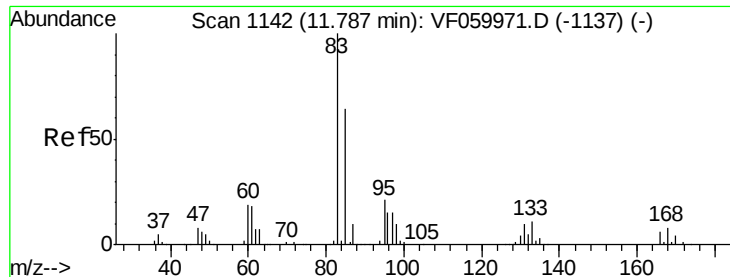
50000

0

Time-->

11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 89.82 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

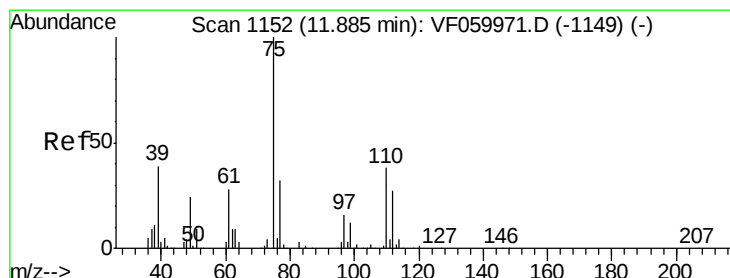
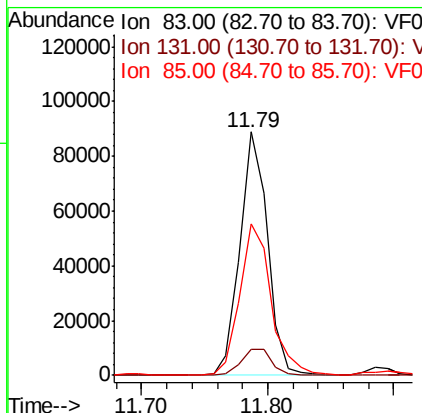
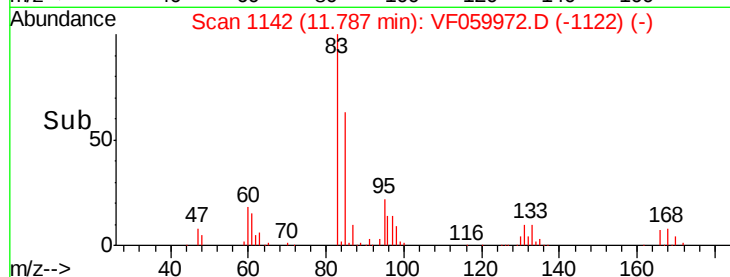
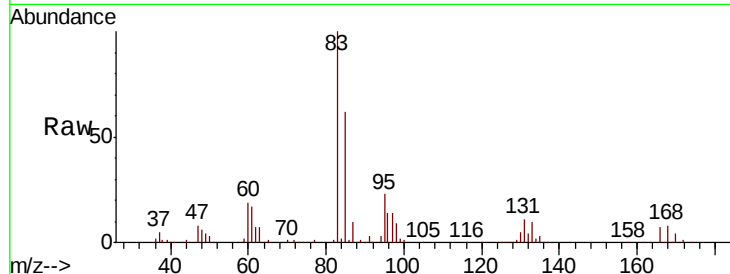
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	134912
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.4
85	62.4	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 95.20 ug/l

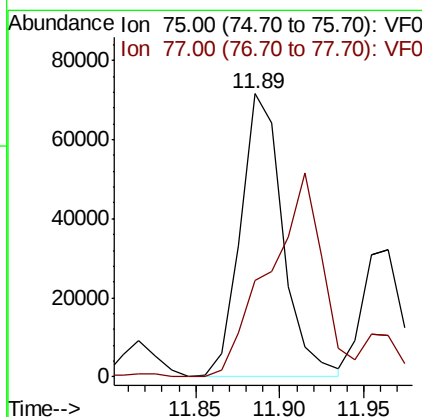
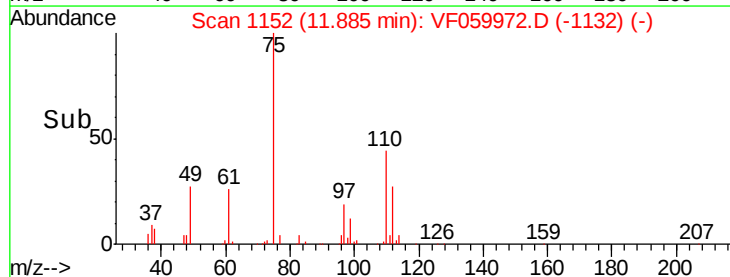
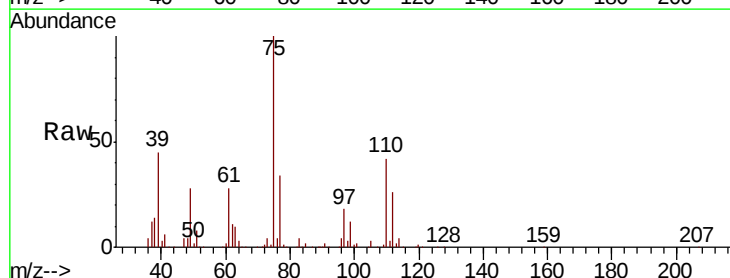
RT: 11.89 min Scan# 1152

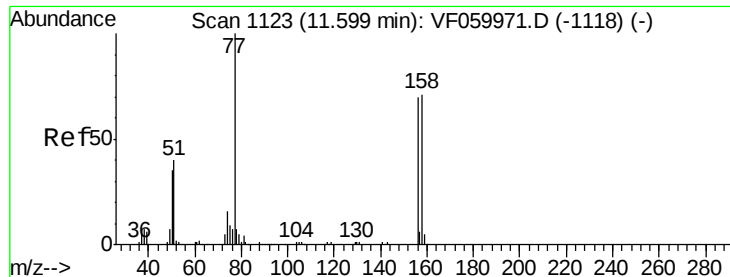
Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Tgt Ion:	75	Resp:	123997
Ion Ratio	Lower	Upper	
75	100		
77	34.1	16.2	48.5





#77

Bromobenzene

Concen: 74.64 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:156 Resp: 165366

Ion Ratio Lower Upper

156 100

77 133.5 71.9 215.6

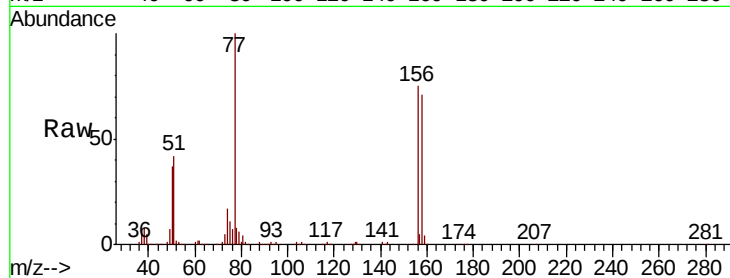
158 95.2 51.2 153.6

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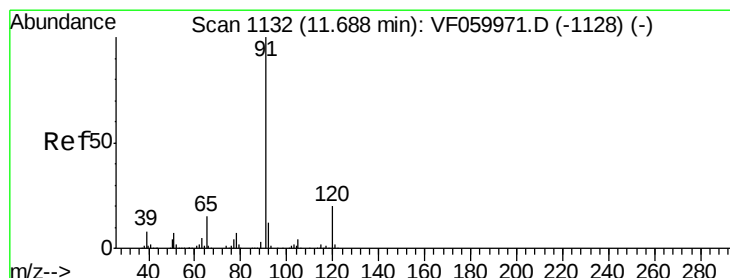
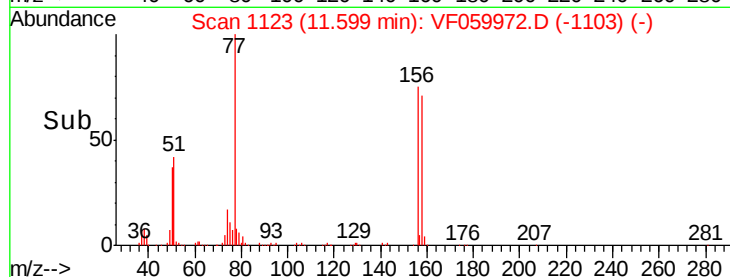
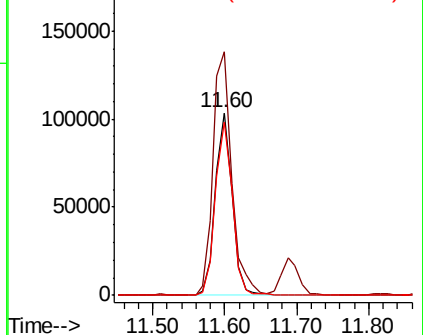
8/17/2018 11:24:25 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 67.53 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059972.D

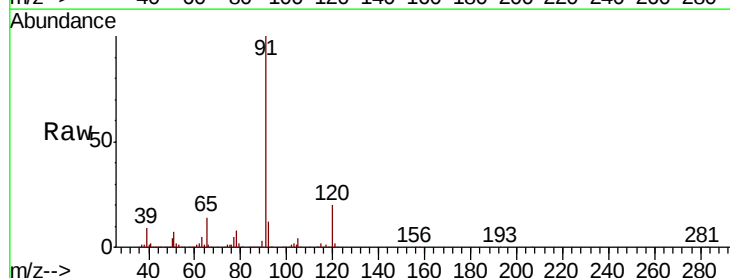
Acq: 16 Aug 2018 21:03

Tgt Ion: 91 Resp: 660337

Ion Ratio Lower Upper

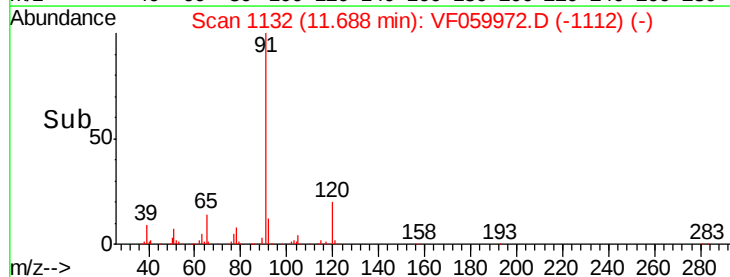
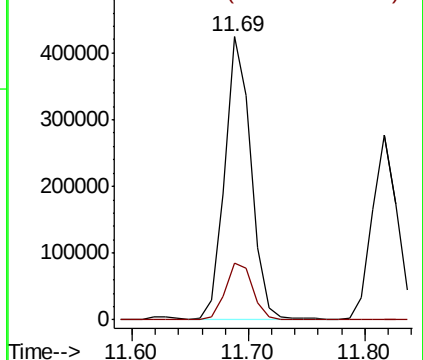
91 100

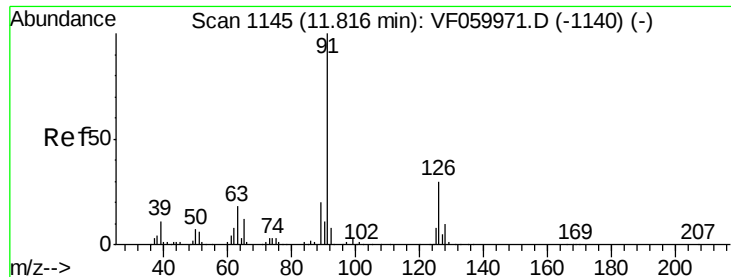
120 20.3 10.2 30.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 67.35 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 413945

Ion Ratio Lower Upper

91 100

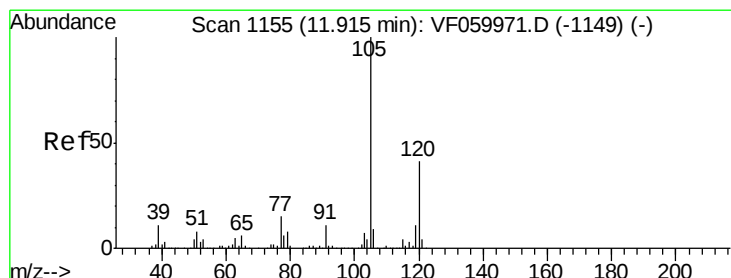
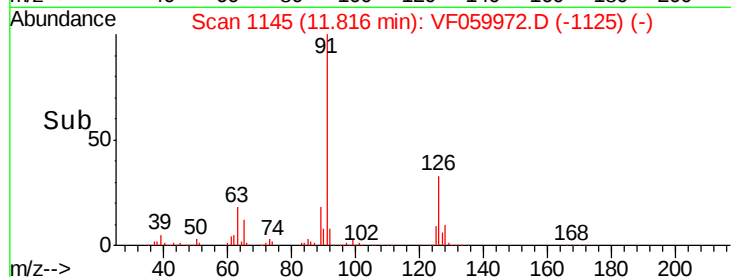
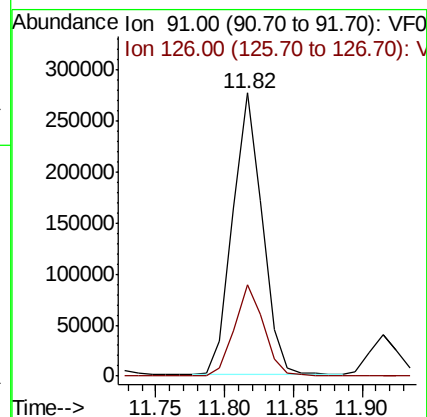
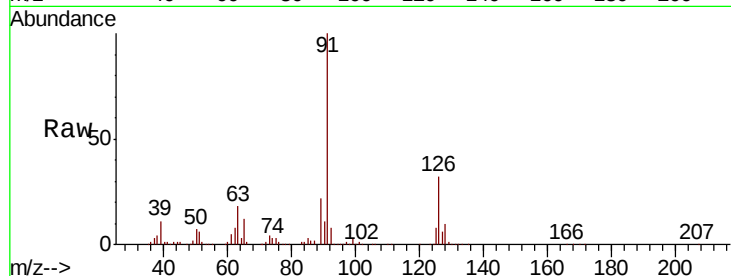
126 32.2 14.9 44.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 65.33 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059972.D

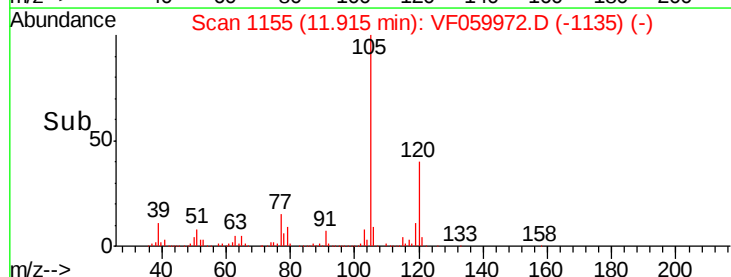
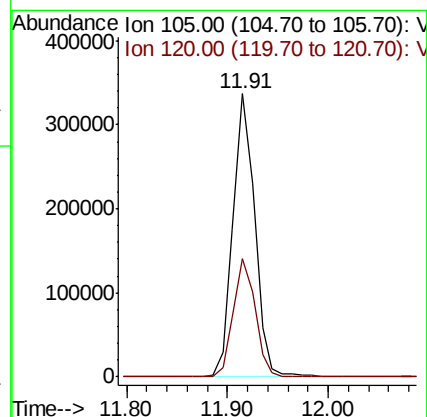
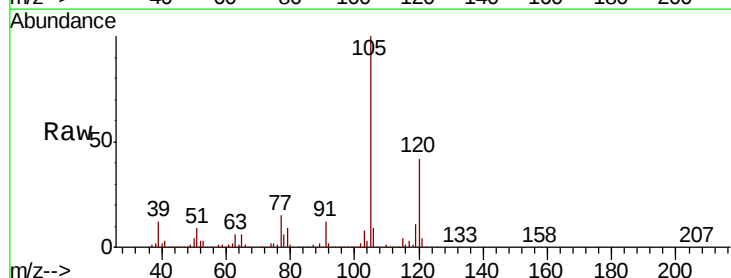
Acq: 16 Aug 2018 21:03

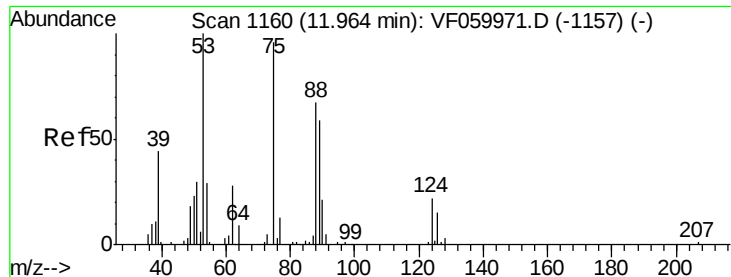
Tgt Ion:105 Resp: 505121

Ion Ratio Lower Upper

105 100

120 41.6 20.6 61.8





#81

trans-1,4-Dichloro-2-butene

Concen: 103.29 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 56271

Ion Ratio Lower Upper

75 100

53 100.1 85.1 127.7

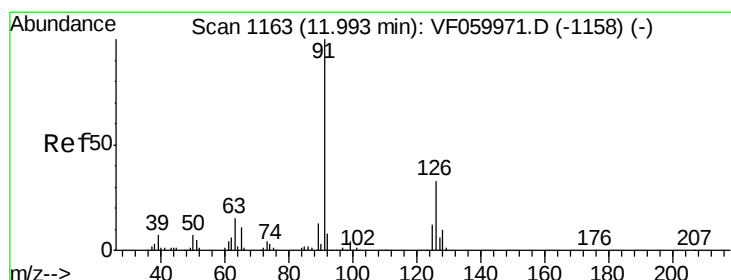
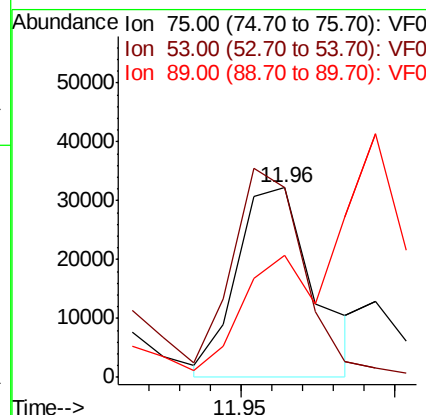
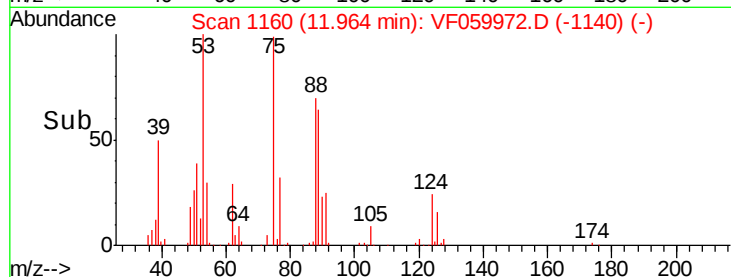
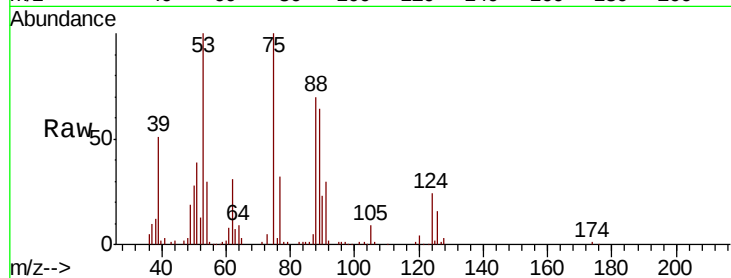
89 64.1 50.2 75.4

Manual Integrations

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#82

4-Chlorotoluene

Concen: 70.03 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059972.D

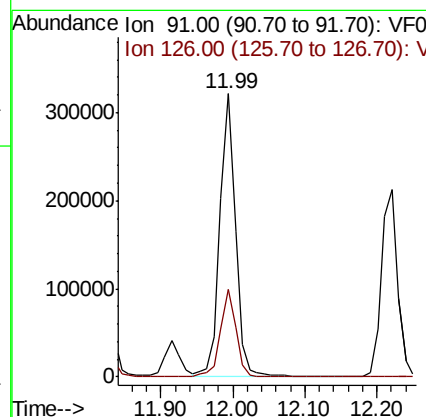
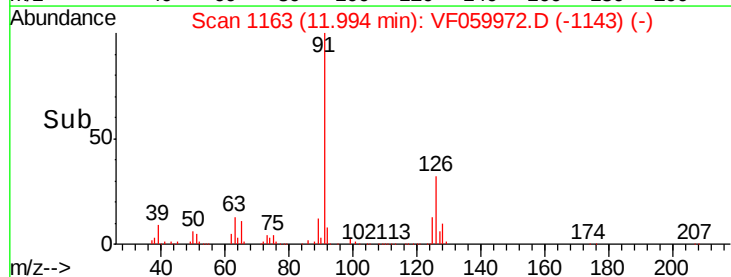
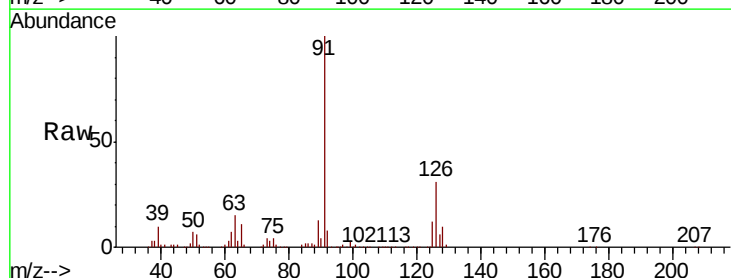
Acq: 16 Aug 2018 21:03

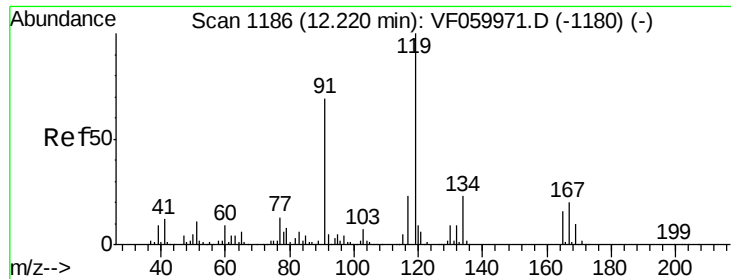
Tgt Ion: 91 Resp: 476312

Ion Ratio Lower Upper

91 100

126 30.7 16.4 49.2





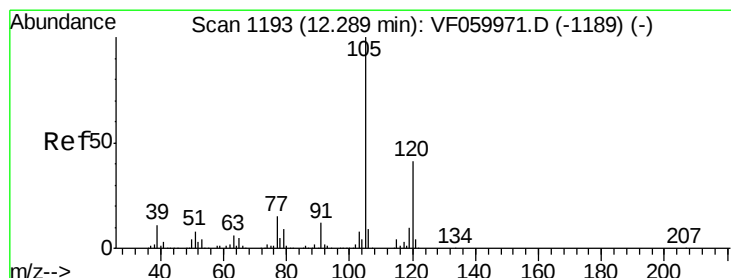
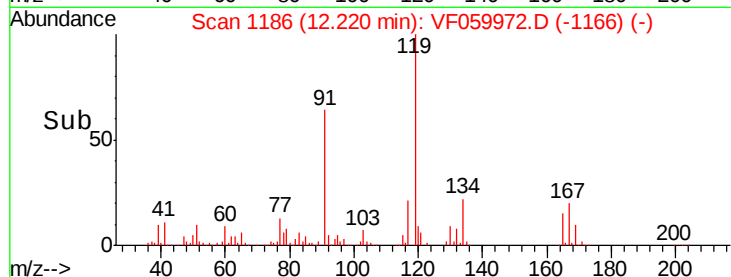
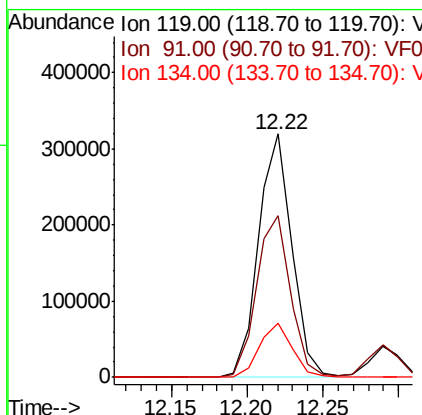
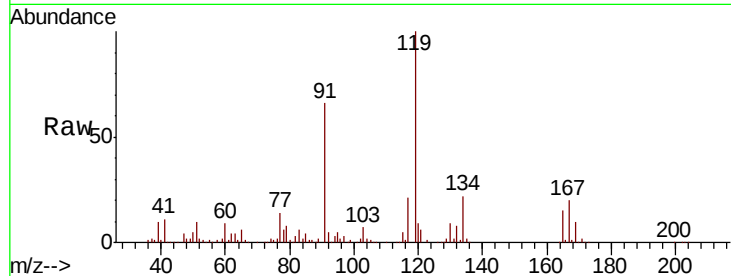
#83
tert-Butylbenzene
Concen: 65.52 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
119	100	495903		
91	66.3		34.8	104.3
134	22.4		11.5	34.4

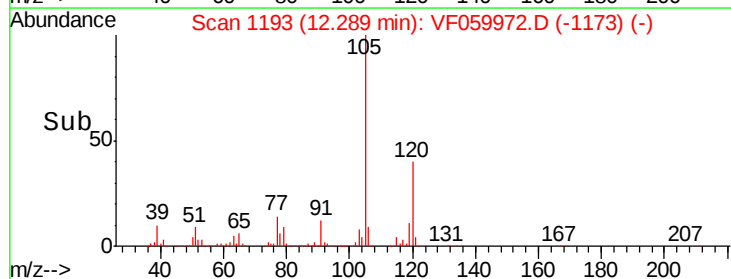
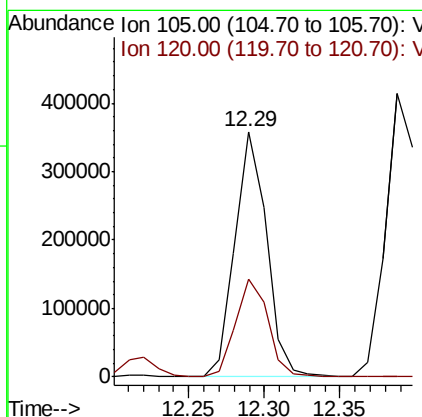
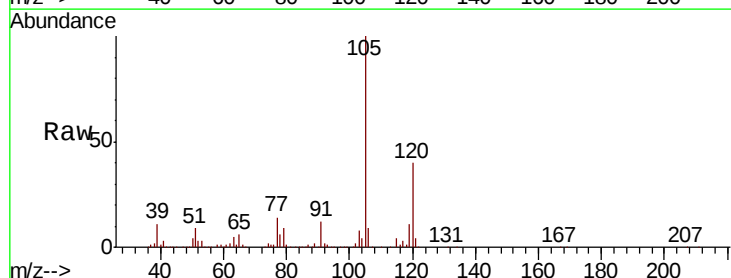
Manual Integrations
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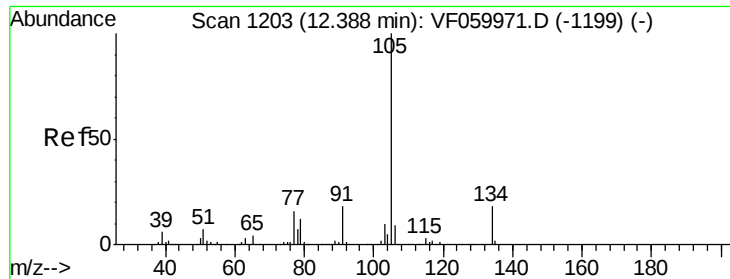
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 67.31 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	523171		
120	40.0		20.6	61.8





#85

sec-Butylbenzene

Concen: 65.43 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 630105

Ion Ratio Lower Upper

105 100

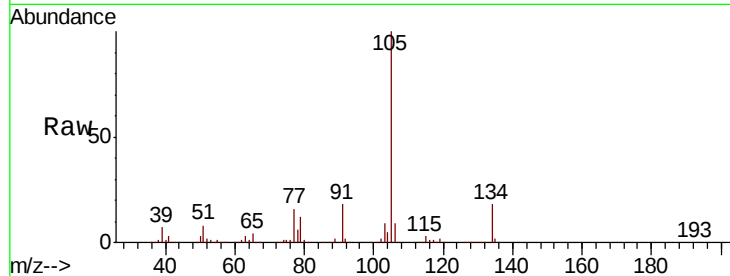
134 17.8 8.9 26.7

Manual Integrations

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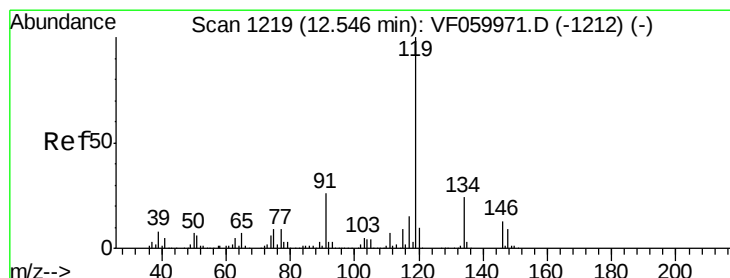
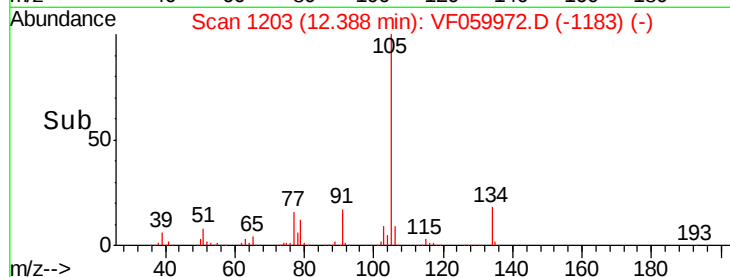
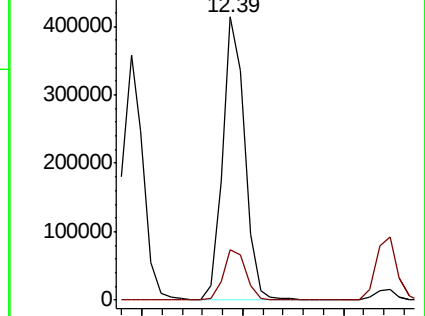
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 66.31 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059972.D

Acq: 16 Aug 2018 21:03

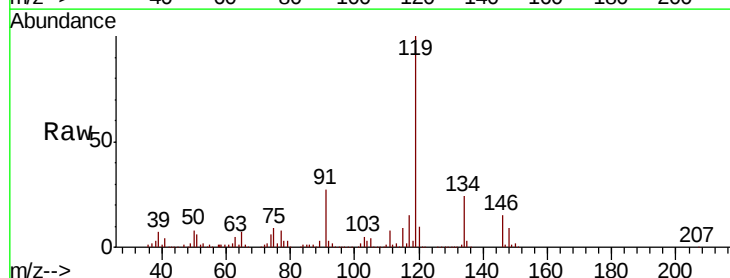
Tgt Ion:119 Resp: 564569

Ion Ratio Lower Upper

119 100

134 24.1 12.0 36.1

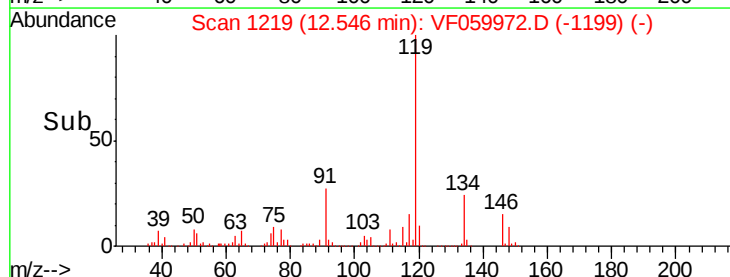
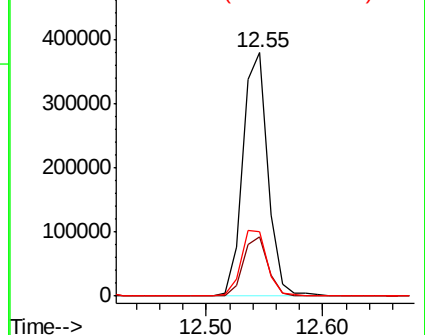
91 26.7 13.1 39.1

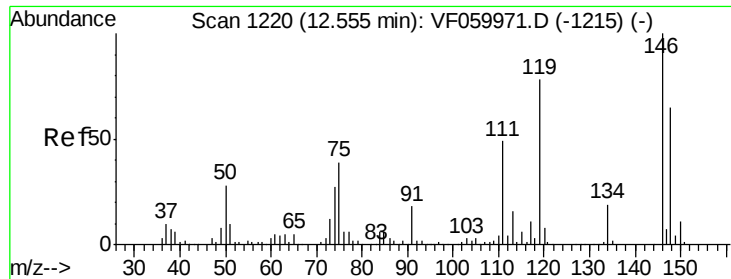


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





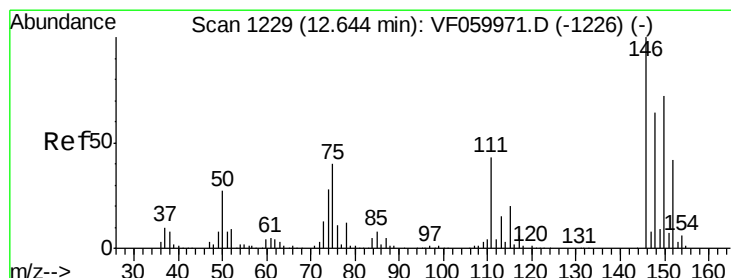
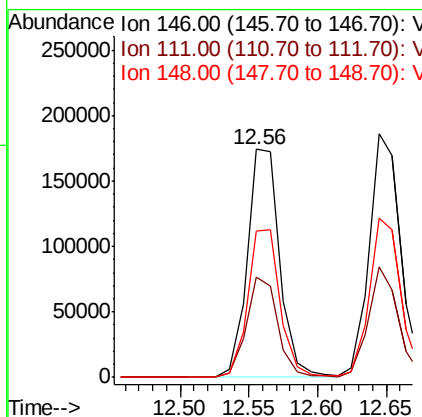
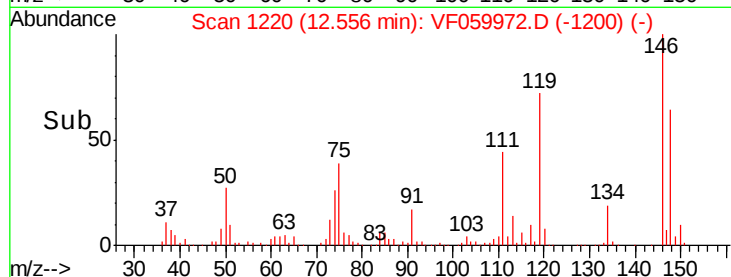
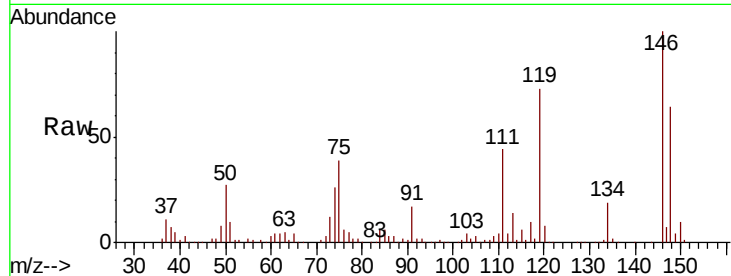
#87
 1,3-Dichlorobenzene
 Concen: 68.92 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	24.4	73.2
148	64.0	32.3	96.8

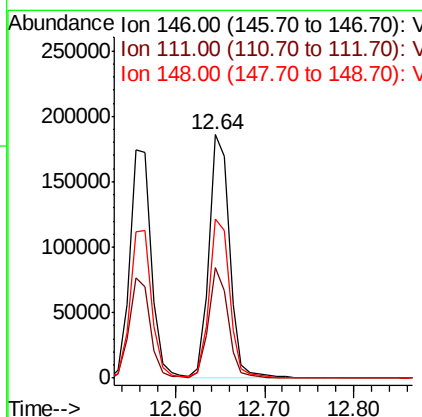
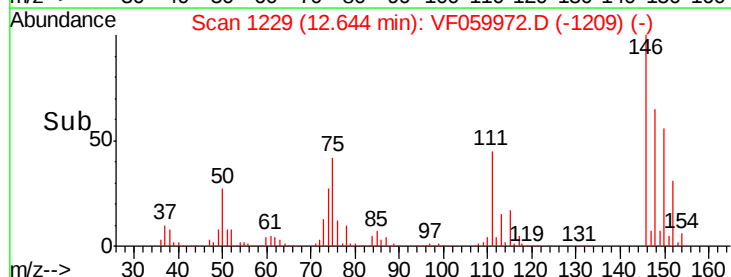
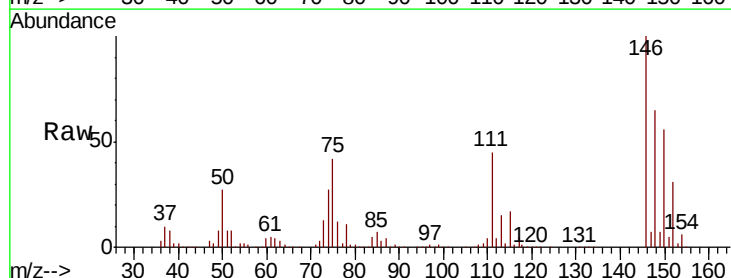
Manual Integrations
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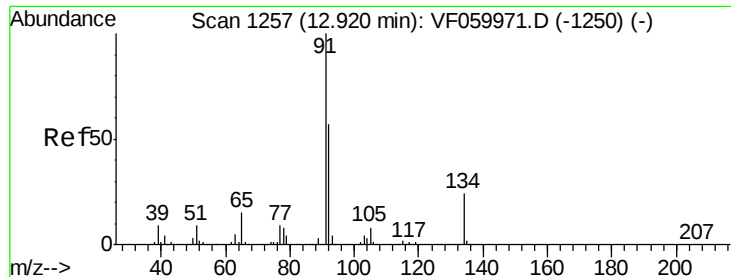
apatel
 8/17/2018 11:24:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 72.35 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.4	64.2
148	65.2	31.9	95.7





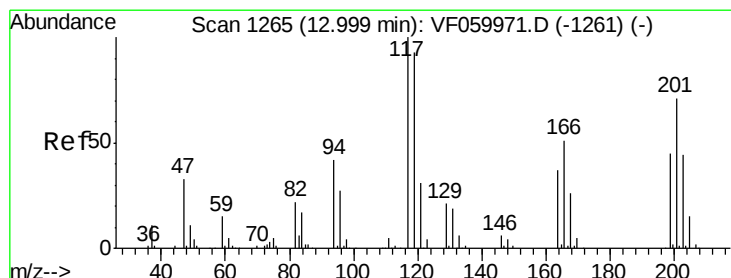
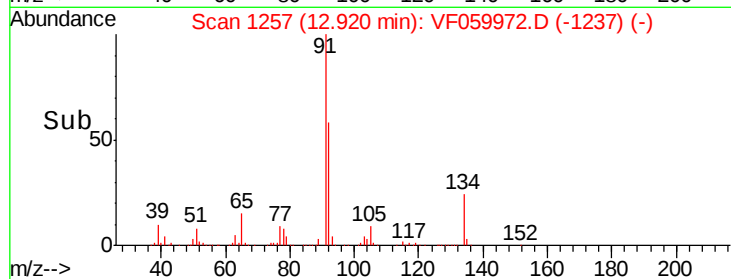
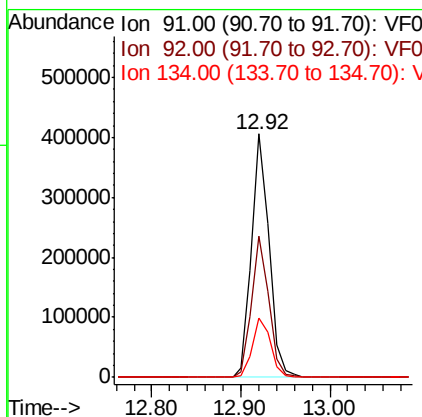
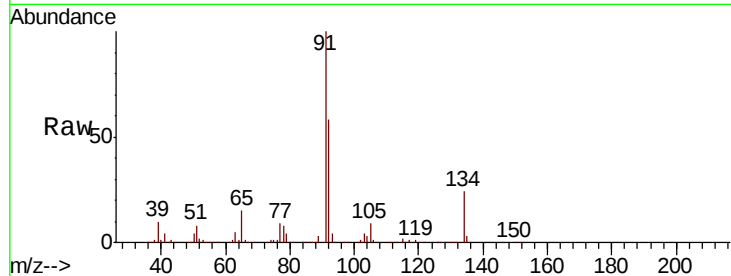
#89
n-Butylbenzene
Concen: 66.68 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	58.0	28.3	85.0	
134	24.1	11.9	35.7	

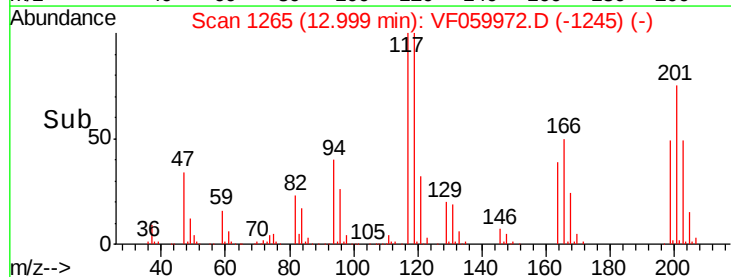
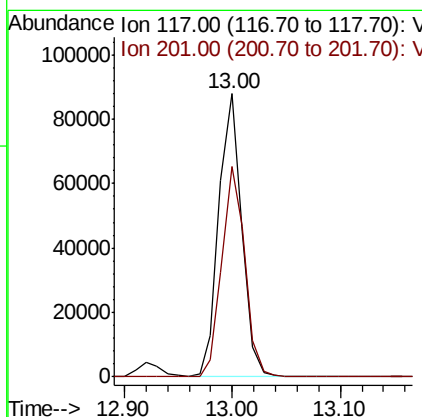
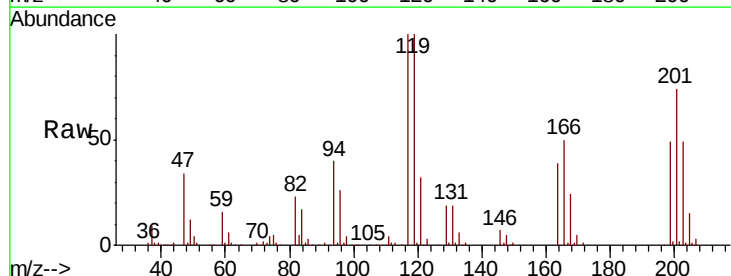
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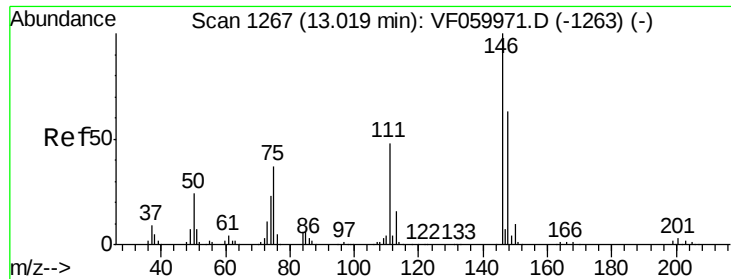
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#90
Hexachloroethane
Concen: 62.27 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.3	35.3	105.7	





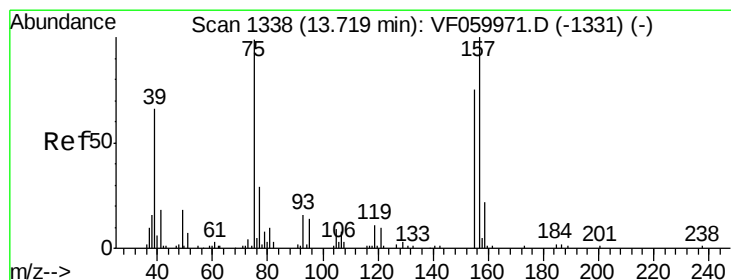
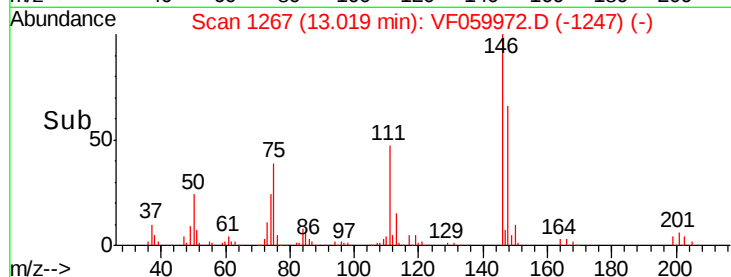
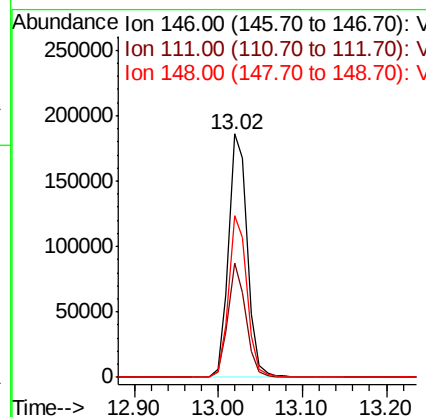
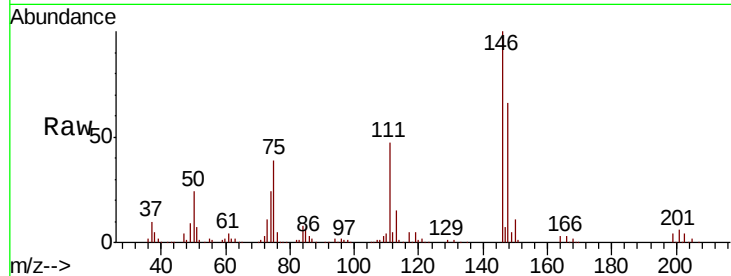
#91
 1,2-Dichlorobenzene
 Concen: 70.65 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.9	71.8
148	66.4	31.4	94.3

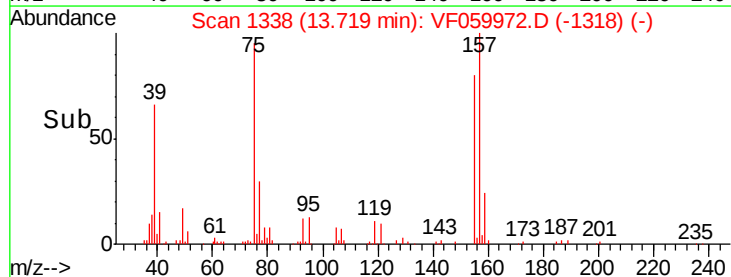
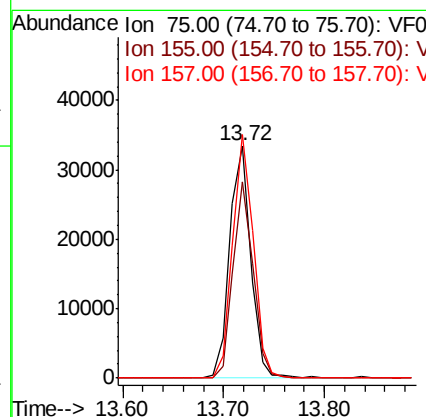
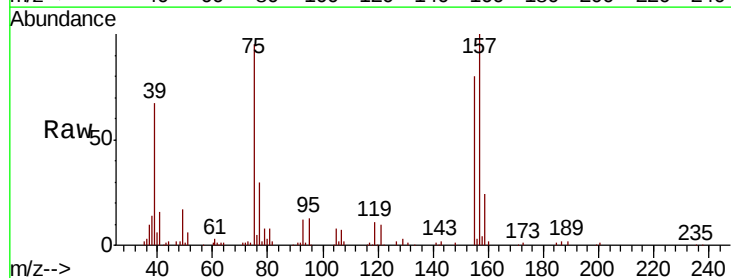
Manual Integrations
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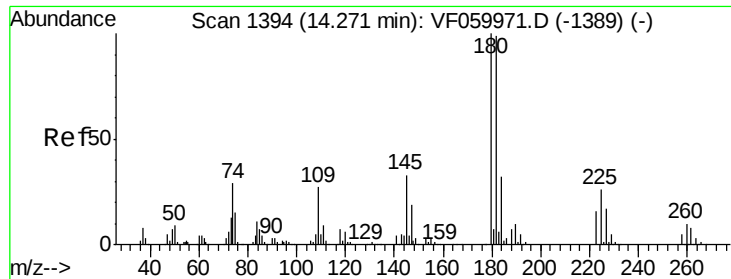
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 115.01 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.3	38.0	114.0
157	104.7	50.6	151.8





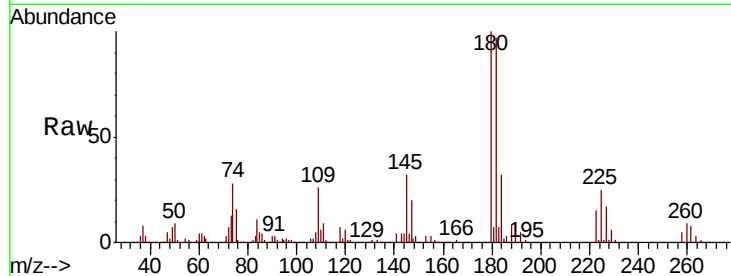
#93
 1,2,4-Trichlorobenzene
 Concen: 72.92 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	237303		
182	96.6	49.7	149.1	
145	32.0	16.4	49.4	

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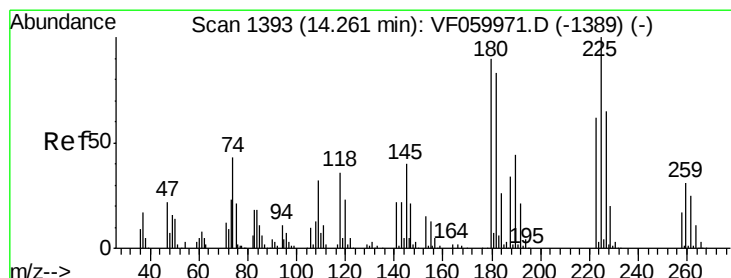
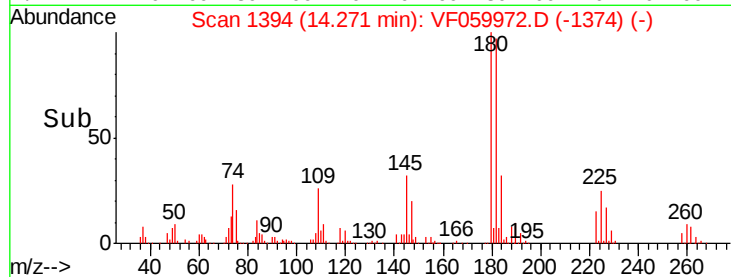
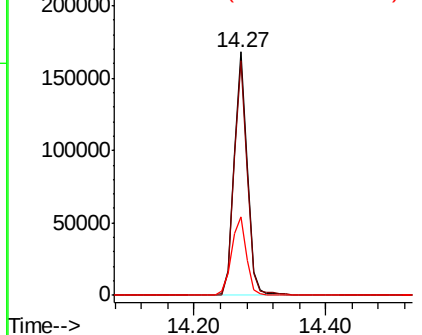


Abundance

Ion 180.00 (179.70 to 180.70): V

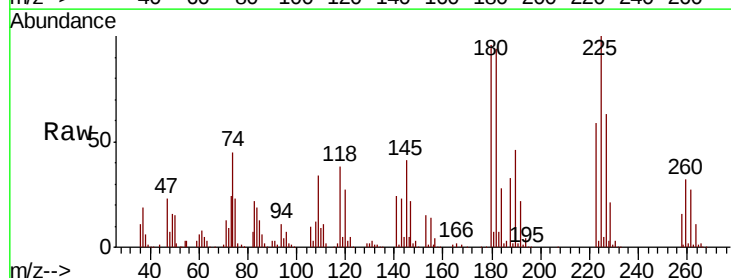
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 64.44 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059972.D
 Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	147223		
223	58.9	31.0	93.0	
227	63.0	32.4	97.2	

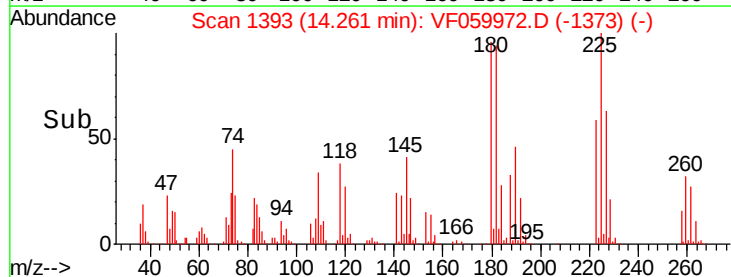
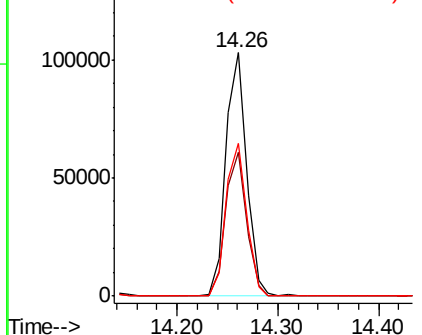


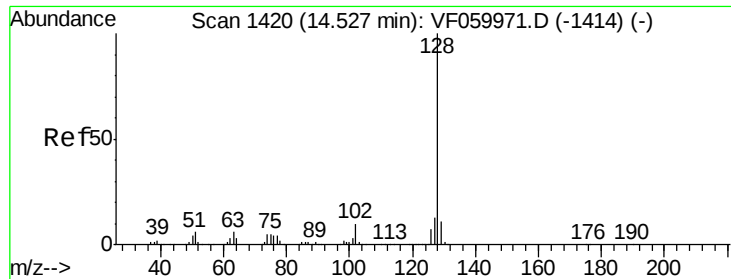
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





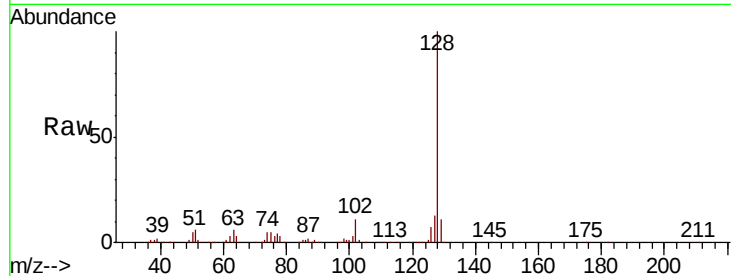
#95
Naphthalene
Concen: 92.13 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
128	100	503082		
127	12.9		10.2	15.4
129	11.1		8.8	13.2

Manual Integrations
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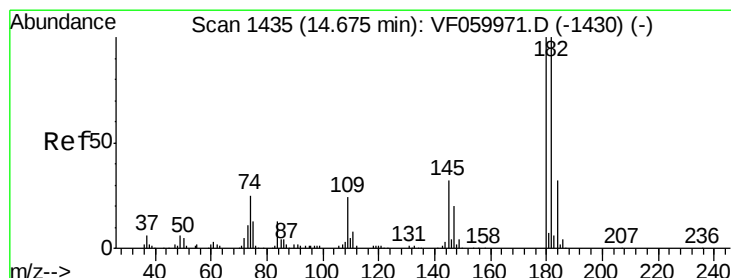
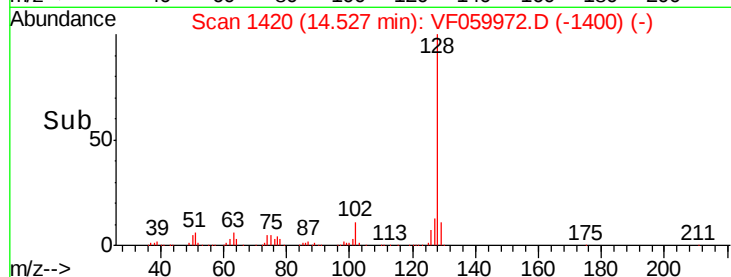
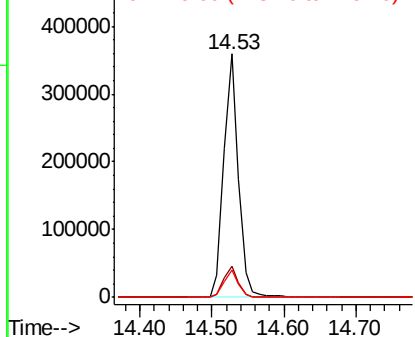


Abundance

Ion 128.00 (127.70 to 128.70): V

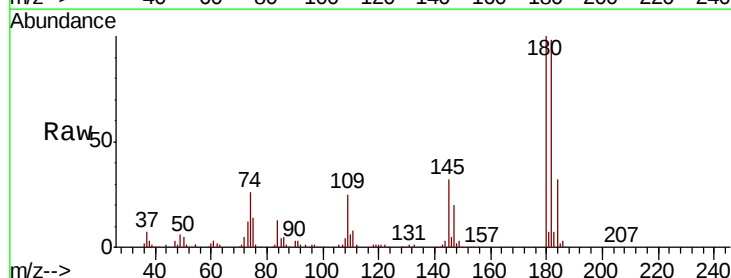
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 76.46 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059972.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	239311		
182	98.3		49.9	149.7
145	31.9		16.2	48.5



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

