

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081618\
 Data File : VF059970.D
 Acq On : 16 Aug 2018 20:09
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 8/17/2018 11:24:18 AM

Quant Time: Aug 17 04:53:55 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	122386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	172005	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	182305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	130748	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	56823	25.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.96%	
35) Dibromofluoromethane	4.29	113	36881	21.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.20%	
50) Toluene-d8	7.72	98	77642	20.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.82%	
62) 4-Bromofluorobenzene	11.51	95	50319	23.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	41926	22.68	ug/l	99
3) Chloromethane	1.07	50	19811	25.13	ug/l	98
4) Vinyl Chloride	1.12	62	21567	23.11	ug/l	94
5) Bromomethane	1.32	94	21917	25.96	ug/l	91
6) Chloroethane	1.39	64	12487	21.15	ug/l	94
7) Trichlorofluoromethane	1.47	101	30538	11.52	ug/l	98
8) Diethyl Ether	1.71	74	10345	26.03	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.86	101	33210	24.20	ug/l	95
10) Methyl Iodide	1.93	142	44914	21.92	ug/l	91
11) Tert butyl alcohol	2.71	59	20751	201.54	ug/l	98
12) 1,1-Dichloroethene	1.82	96	23305	23.56	ug/l	98
13) Acrolein	2.10	56	6687	125.09	ug/l	97
14) Allyl chloride	2.19	41	41998	28.46	ug/l	93
15) Acrylonitrile	3.08	53	32055	201.01	ug/l	98
16) Acetone	2.34	43	100543	196.11	ug/l	97
17) Carbon Disulfide	1.83	76	77786	29.12	ug/l	99
18) Methyl Acetate	2.46	43	48349	60.58	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	87016	28.62	ug/l	93
20) Methylene Chloride	2.27	84	30124	26.16	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	25376	25.86	ug/l	88
22) Diisopropyl ether	2.93	45	83854	24.71	ug/l	96
23) Vinyl Acetate	3.33	43	187936	114.86	ug/l	98
24) 1,1-Dichloroethane	3.00	63	57072	24.08	ug/l	99
25) 2-Butanone	4.51	43	75539	156.84	ug/l	100
26) 2,2-Dichloropropane	3.75	77	52970	32.08	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	22989	21.84	ug/l	91
28) Bromochloromethane	3.89	49	17480	21.03	ug/l #	88
29) Tetrahydrofuran	4.27	42	30367	179.54	ug/l	94
30) Chloroform	4.04	83	68693	21.98	ug/l	93
31) Cyclohexane	3.85	56	25149	22.50	ug/l #	93
32) 1,1,1-Trichloroethane	4.28	97	65572	24.81	ug/l	97
36) 1,1-Dichloropropene	4.46	75	39951	20.97	ug/l	96
37) Ethyl Acetate	4.29	43	31574	33.95	ug/l #	81
38) Carbon Tetrachloride	4.17	117	50224	16.24	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	27729	20.06	ug/l	99
40) Benzene	4.81	78	67400	21.05	ug/l	91
41) Methacrylonitrile	4.93	41	14584	32.94	ug/l	93
42) 1,2-Dichloroethane	5.11	62	67574	25.65	ug/l	100
43) Isopropyl Acetate	7.12	43	30565	30.09	ug/l #	90
44) Trichloroethene	5.67	130	26416	21.28	ug/l	99
45) 1,2-Dichloropropane	6.40	63	19320	22.24	ug/l #	86
46) Dibromomethane	6.26	93	22334	25.37	ug/l	92
47) Bromodichloromethane	6.55	83	53347	21.59	ug/l	99
48) Methyl methacrylate	6.88	41	23268	31.19	ug/l	96
49) 1,4-Dioxane	6.89	88	3903	648.13	ug/l #	82
51) 4-Methyl-2-Pentanone	8.41	43	154199	159.79	ug/l	99
52) Toluene	7.78	92	51147	21.33	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	48368	23.58	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	44479	22.91	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	23343	26.91	ug/l	85
56) Ethyl methacrylate	8.76	69	26934	27.76	ug/l	85
57) 1,3-Dichloropropane	9.00	76	40132	25.25	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	13027	110.19	ug/l	100
59) 2-Hexanone	9.64	43	126345	174.18	ug/l	95
60) Dibromochloromethane	8.87	129	38445	22.83	ug/l	99
61) 1,2-Dibromoethane	9.13	107	30357	27.65	ug/l	92
64) Tetrachloroethene	8.31	164	31648	22.35	ug/l	92
65) Chlorobenzene	9.94	112	71309	20.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	32534	19.17	ug/l	98
67) Ethyl Benzene	10.04	91	128228	20.58	ug/l	98
68) m/p-Xylenes	10.27	106	88376	42.09	ug/l	95
69) o-Xylene	10.83	106	45859	20.15	ug/l	99
70) Styrene	10.91	104	75315	22.05	ug/l	99
71) Bromoform	10.89	173	29021	25.91	ug/l	96
73) Isopropylbenzene	11.23	105	149142	18.45	ug/l	100
74) N-amyl acetate	11.47	43	50806	25.93	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	35767	24.44	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	35649	28.09	ug/l	97
77) Bromobenzene	11.60	156	43835	20.30	ug/l	96
78) n-propylbenzene	11.69	91	187493	19.68	ug/l	99
79) 2-Chlorotoluene	11.82	91	113426	18.94	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	138787	18.42	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	12292m	23.15	ug/l	
82) 4-Chlorotoluene	11.99	91	133181	20.09	ug/l	94
83) tert-Butylbenzene	12.22	119	141549	19.19	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	150520	19.87	ug/l	97
85) sec-Butylbenzene	12.39	105	176953	18.86	ug/l	96
86) p-Isopropyltoluene	12.55	119	156954	18.92	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	83632	20.53	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	84156	21.05	ug/l	96
89) n-Butylbenzene	12.92	91	153184	19.08	ug/l	97
90) Hexachloroethane	13.00	117	34392	16.90	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	83970	21.03	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	10872	26.34	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	83696	26.39	ug/l	96
94) Hexachlorobutadiene	14.26	225	42293	19.00	ug/l	99
95) Naphthalene	14.53	128	123558	23.22	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	65361	21.43	ug/l	90

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

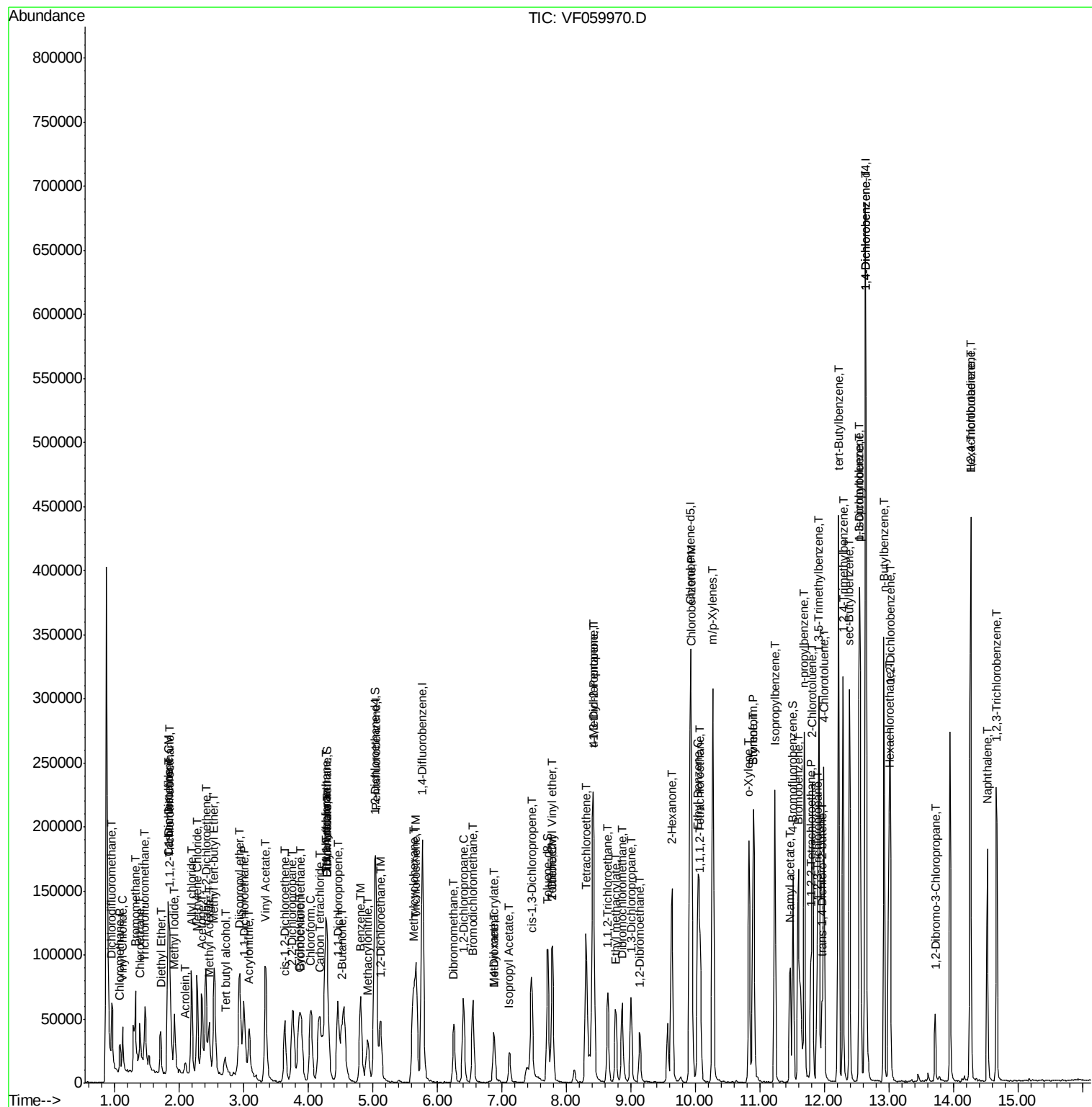
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF081618\
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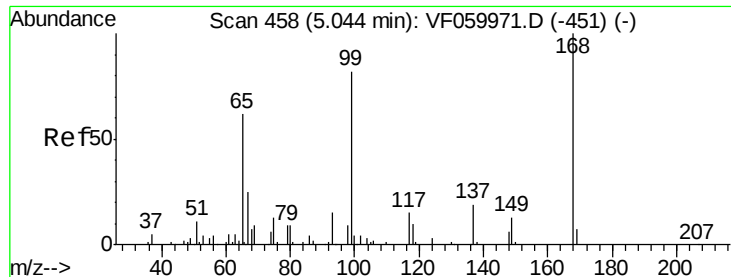
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 122386

Ion Ratio Lower Upper

168 100

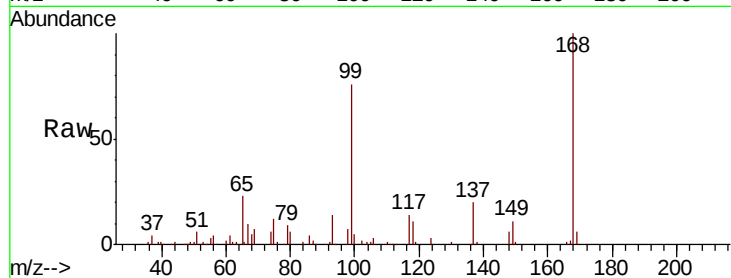
99 76.4 65.7 98.5

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

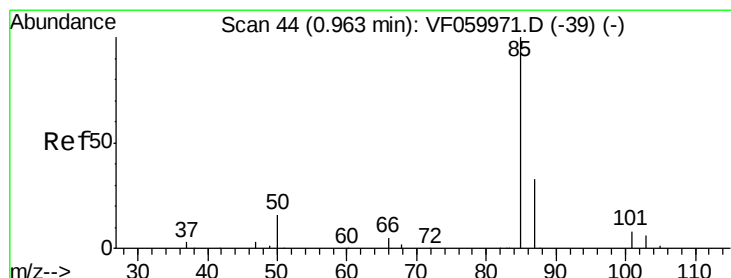
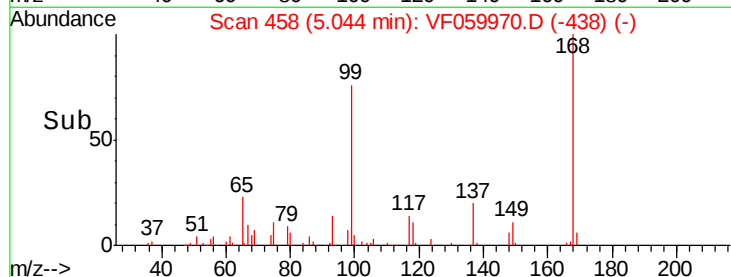
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 22.68 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF059970.D

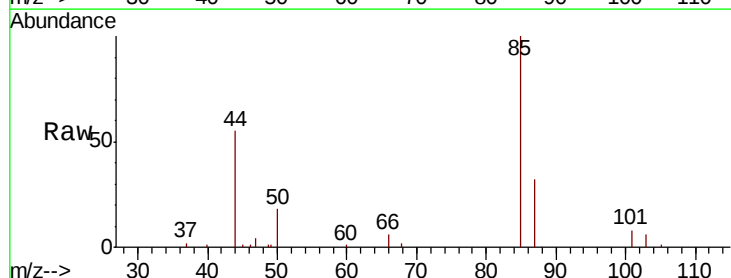
Acq: 16 Aug 2018 20:09

Tgt Ion: 85 Resp: 41926

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

30000

25000

20000

15000

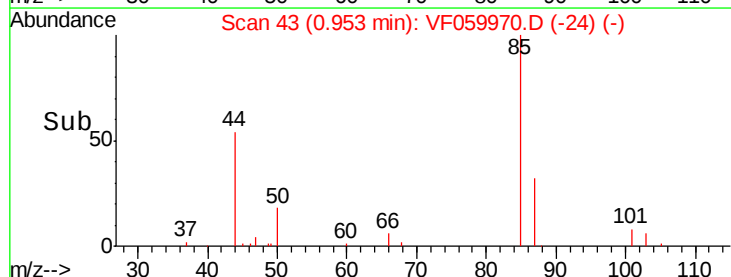
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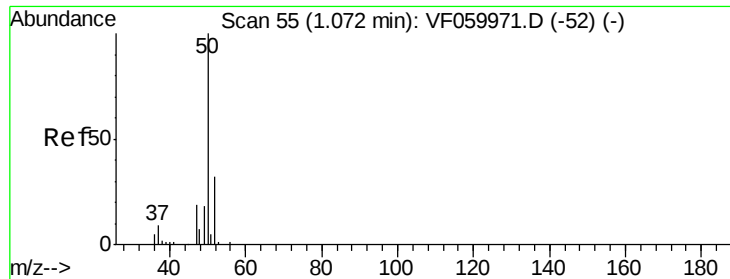
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 25.13 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 19811

Ion Ratio Lower Upper

50 100

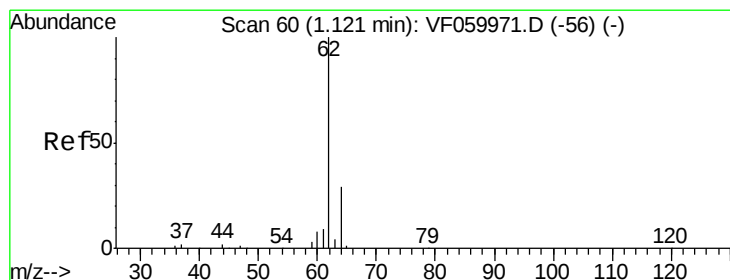
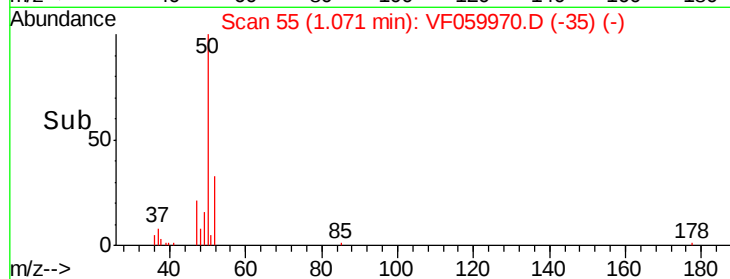
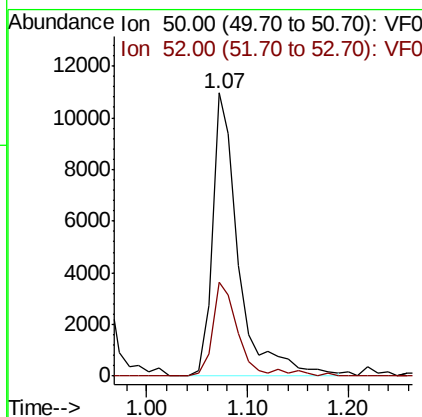
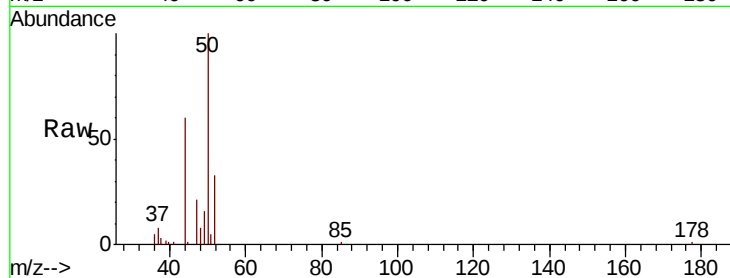
52 33.0 25.7 38.5

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#4

Vinyl Chloride

Concen: 23.11 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF059970.D

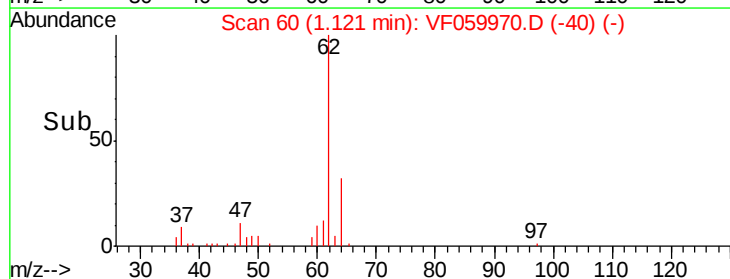
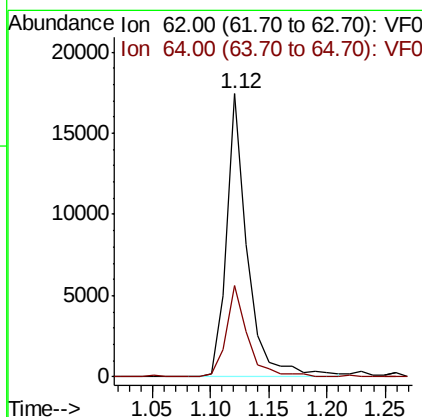
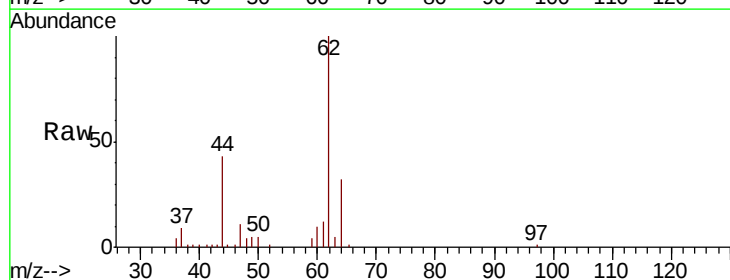
Acq: 16 Aug 2018 20:09

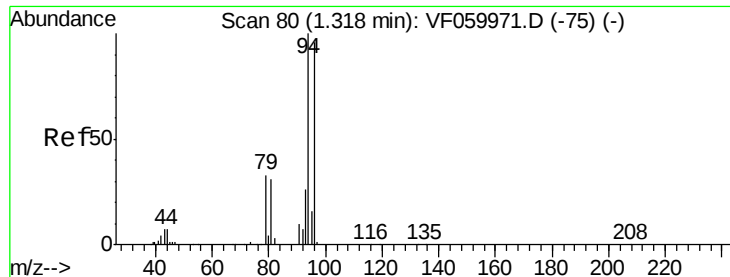
Tgt Ion: 62 Resp: 21567

Ion Ratio Lower Upper

62 100

64 32.1 23.1 34.7





#5

Bromomethane

Concen: 25.96 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

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Acq: 16 Aug 2018 20:09

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Tot Ion: 94 Resp: 21917

Ion Ratio Lower Upper

94 100

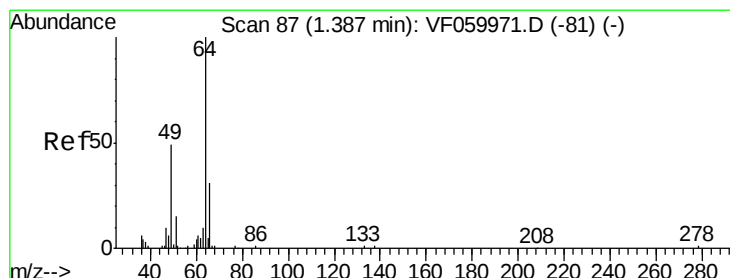
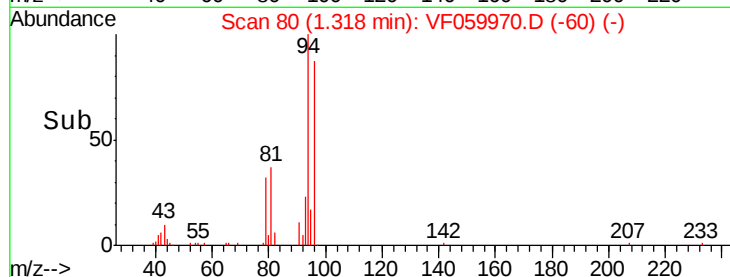
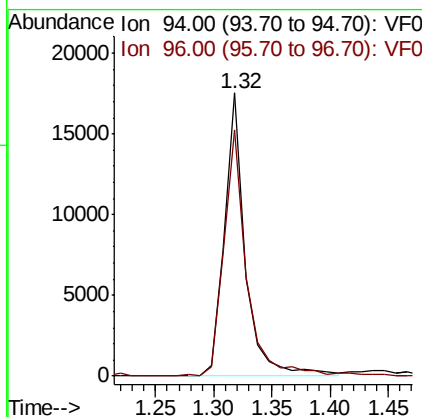
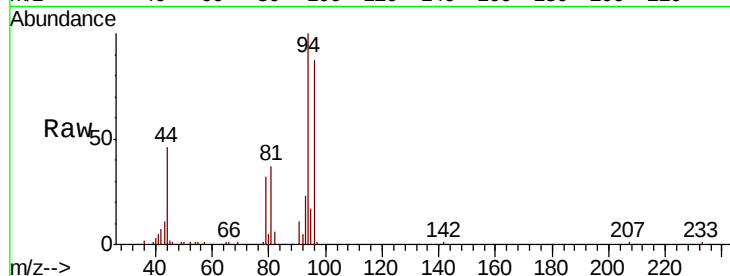
96 86.8 76.7 115.1

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#6

Chloroethane

Concen: 21.15 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF059970.D

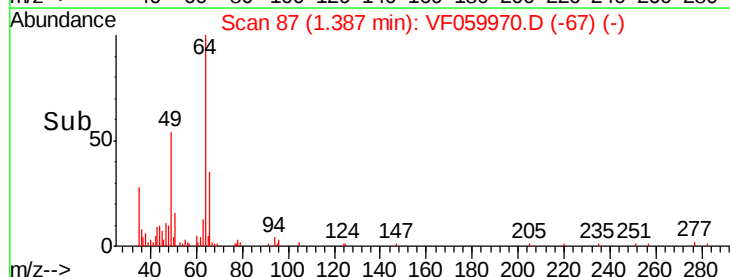
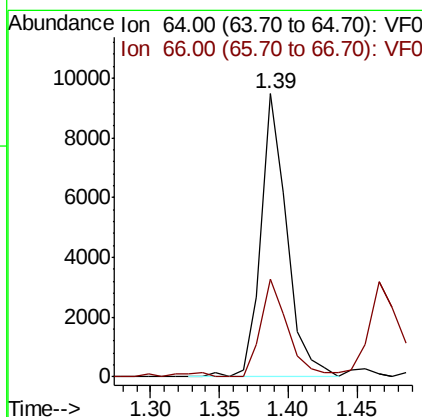
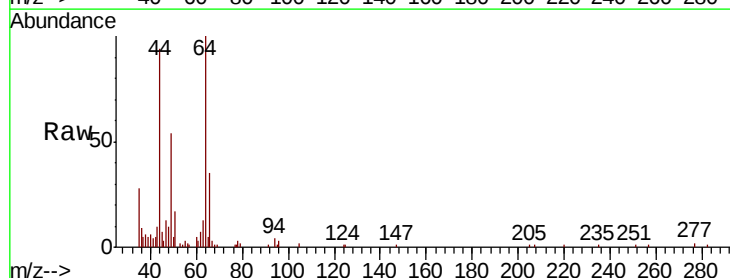
Acq: 16 Aug 2018 20:09

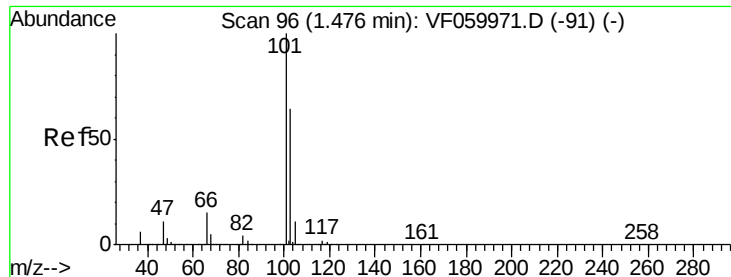
Tgt Ion: 64 Resp: 12487

Ion Ratio Lower Upper

64 100

66 34.6 25.0 37.4





#7

Trichlorofluoromethane

Concen: 11.52 ug/l

RT: 1.47 min Scan# 95

Delta R.T. -0.01 min

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Tot Ion:101 Resp: 30538

Ion Ratio Lower Upper

101 100

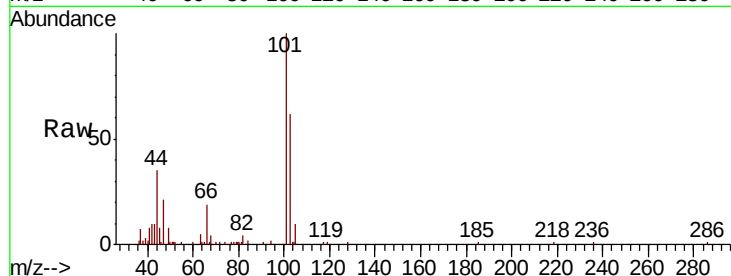
103 62.0 50.9 76.3

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

20000

15000

10000

5000

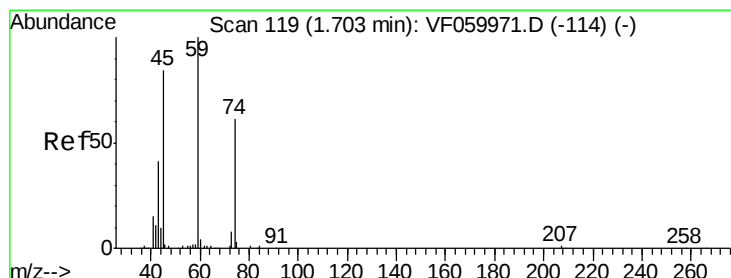
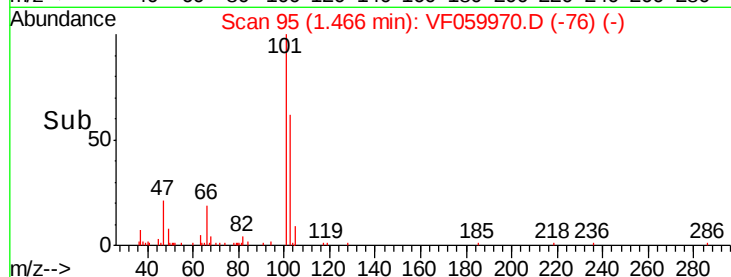
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Time-->

1.40

1.50

1.60



#8

Diethyl Ether

Concen: 26.03 ug/l

RT: 1.71 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF059970.D

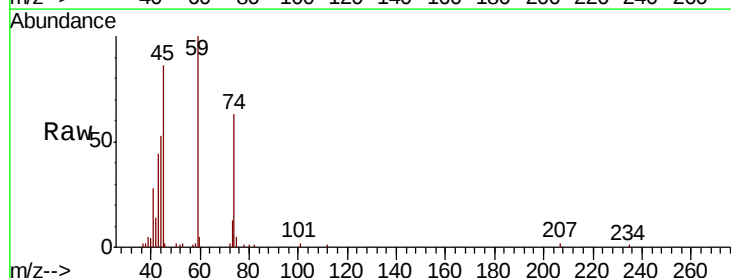
Acq: 16 Aug 2018 20:09

Tgt Ion: 74 Resp: 10345

Ion Ratio Lower Upper

74 100

45 137.0 69.8 209.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

8000

6000

4000

2000

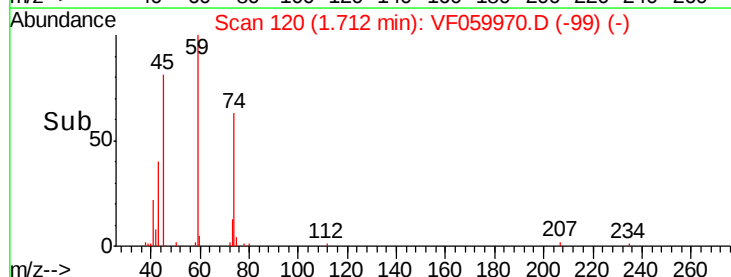
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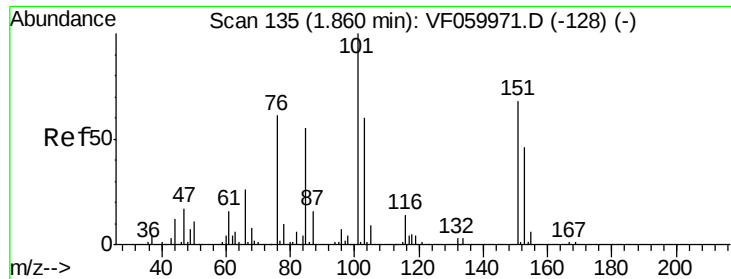
Time-->

1.60

1.70

1.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.20 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

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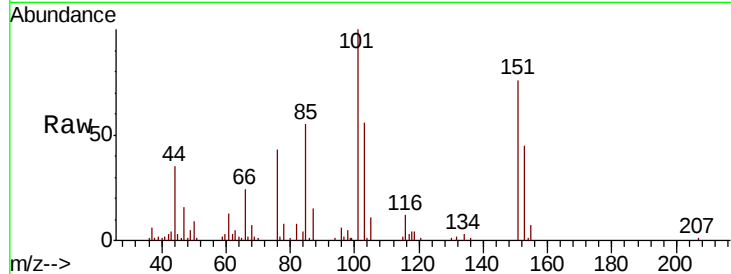
ClientSampleId :

VSTDIC020

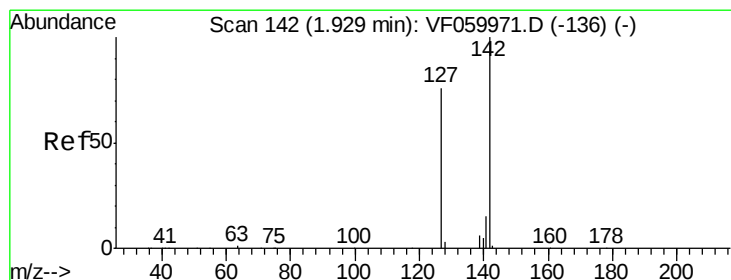
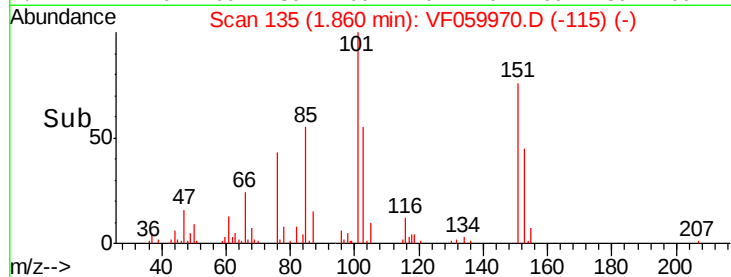
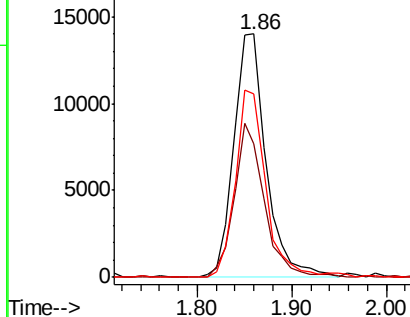
Tot Ion:	101	Resp:	33210
Ion Ratio	Lower	Upper	
101	100		
85	54.7	44.2	66.4
151	75.6	54.5	81.7

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 21.92 ug/l

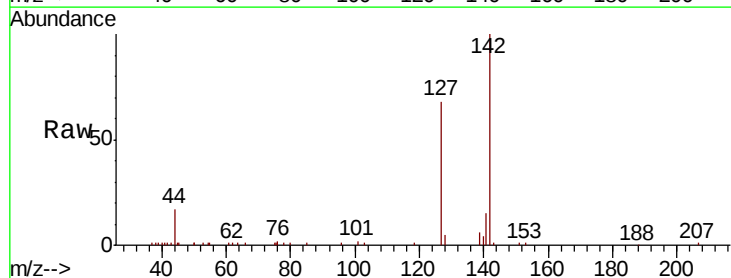
RT: 1.93 min Scan# 142

Delta R.T. -0.00 min

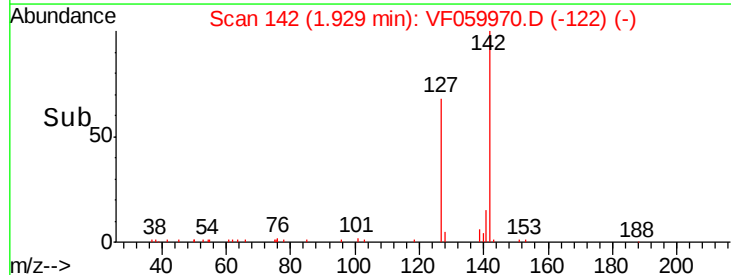
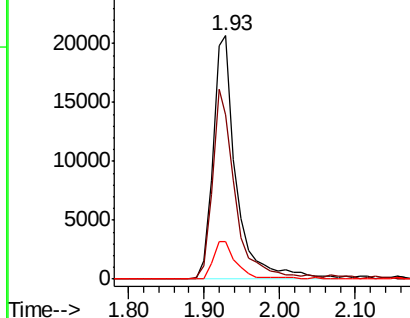
Lab File: VF059970.D

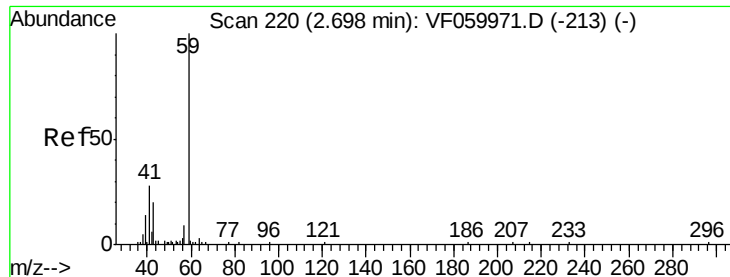
Acq: 16 Aug 2018 20:09

Tgt Ion:	142	Resp:	44914
Ion Ratio	Lower	Upper	
142	100		
127	67.5	61.0	91.6
141	15.3	12.1	18.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V





#11

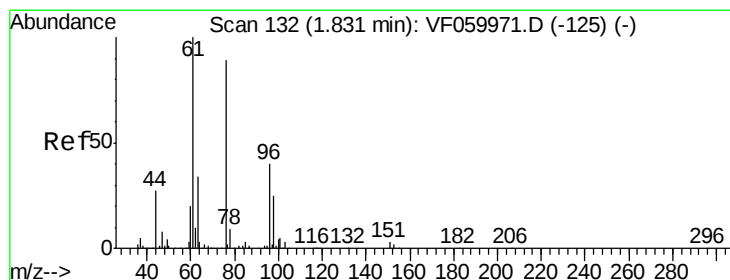
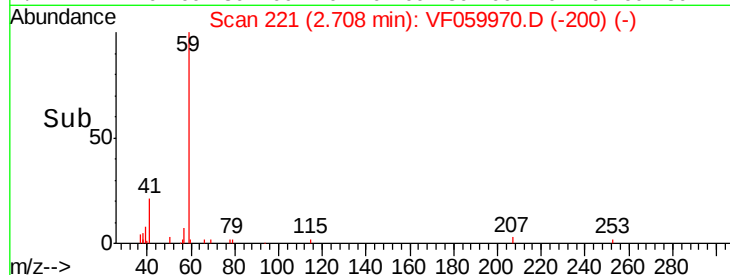
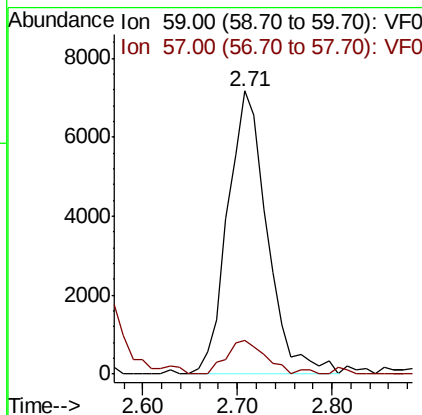
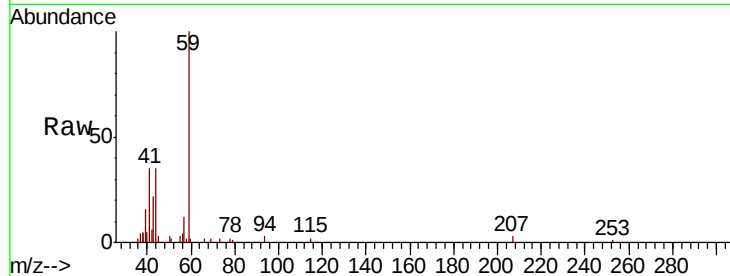
Tert butyl alcohol
 Concen: 201.54 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.8	13.2

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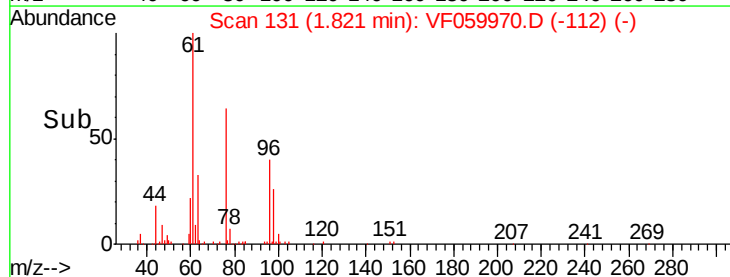
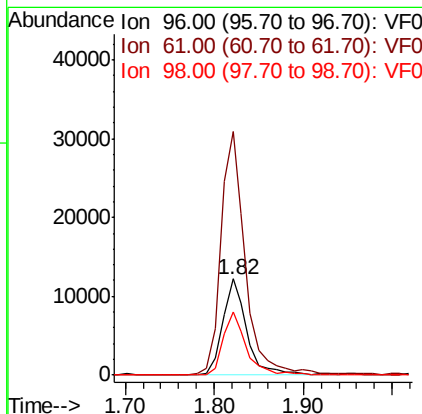
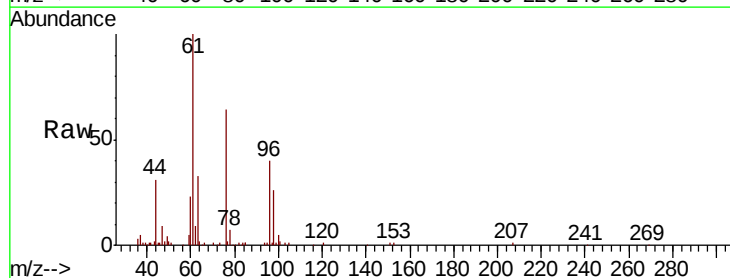
apatel
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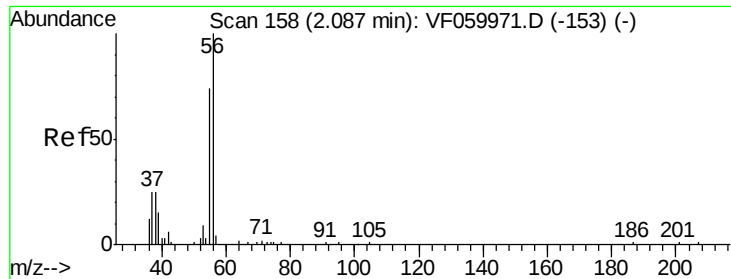


#12

1,1-Dichloroethene
 Concen: 23.56 ug/l
 RT: 1.82 min Scan# 131
 Delta R.T. -0.01 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	253.2	200.0	300.0
98	65.3	49.8	74.8





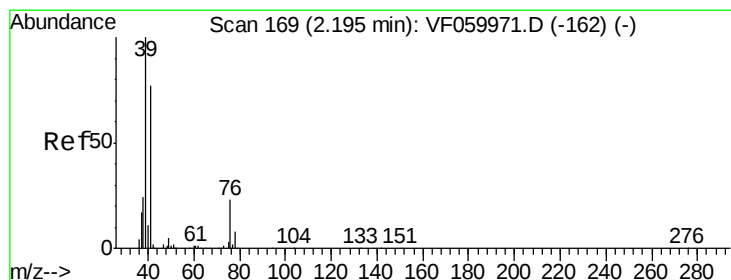
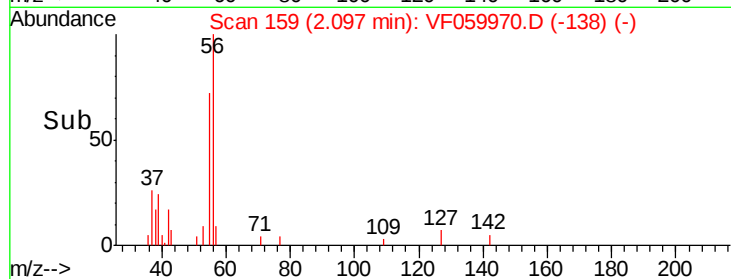
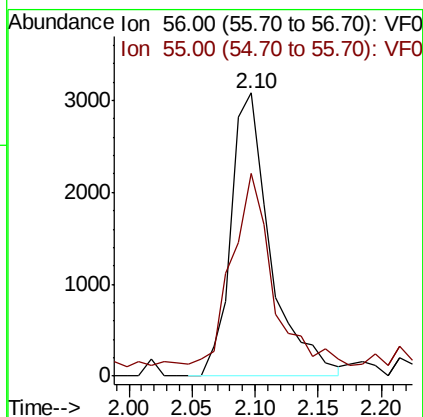
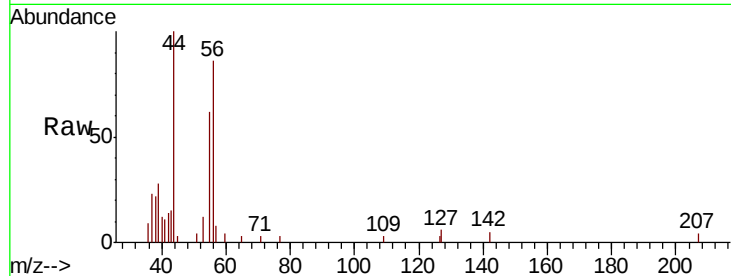
#13
Acrolein
Concen: 125.09 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.8	59.2	88.8

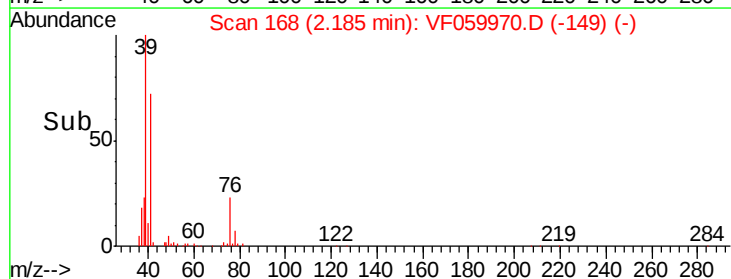
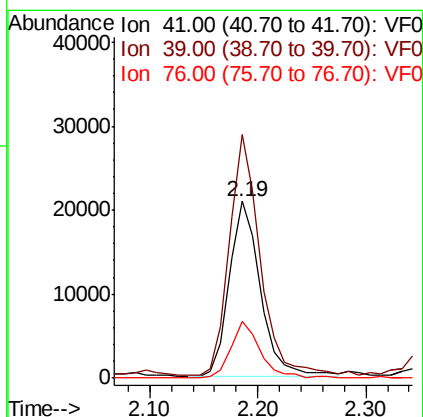
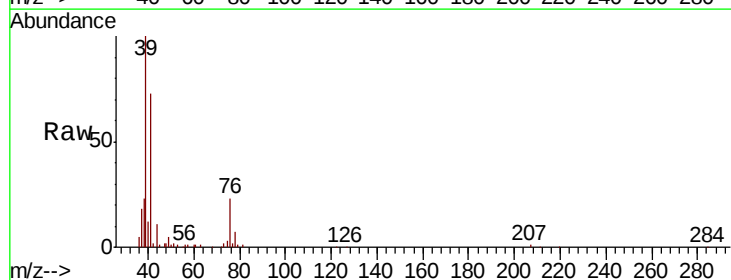
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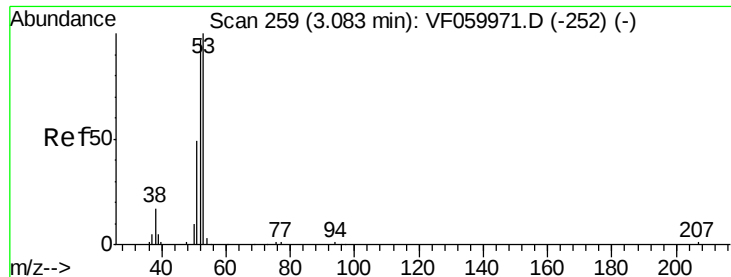
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#14
Allyl chloride
Concen: 28.46 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Lower	Upper
41	100		
39	137.7	103.6	155.4
76	32.3	23.5	35.3





#15

Acrylonitrile

Concen: 201.01 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

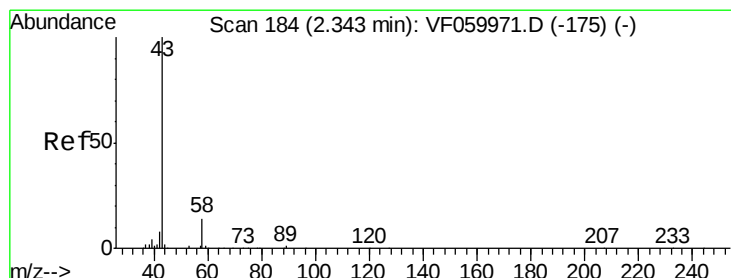
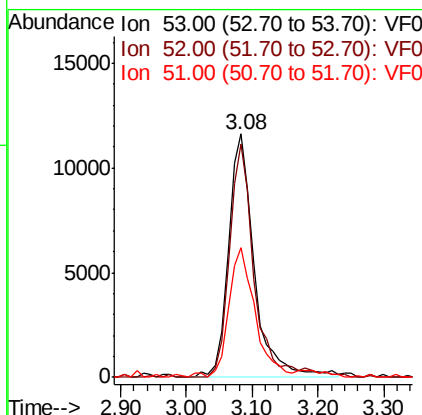
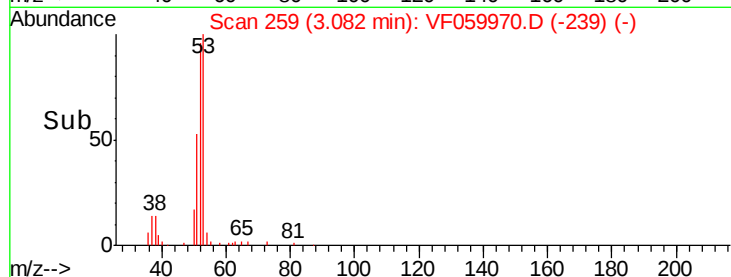
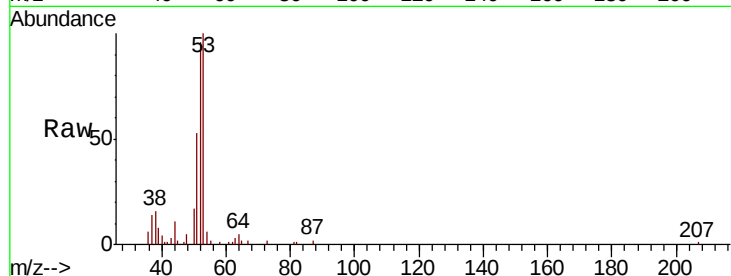
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	32055
Ion	Ratio	Lower	Upper
53	100		
52	95.8	77.6	116.4
51	53.4	40.2	60.2

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#16

Acetone

Concen: 196.11 ug/l

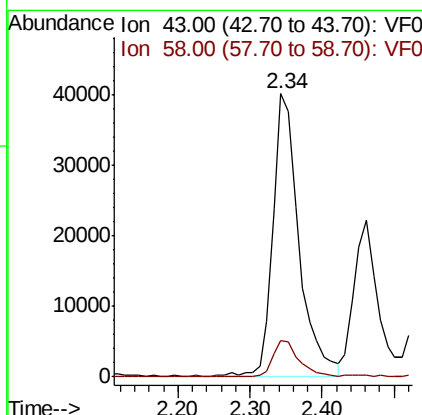
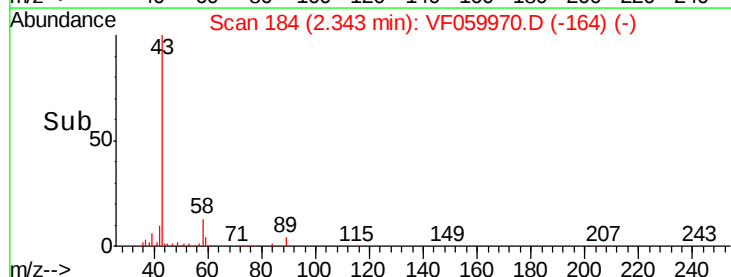
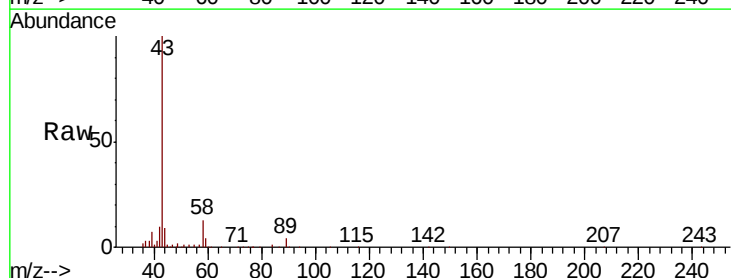
RT: 2.34 min Scan# 184

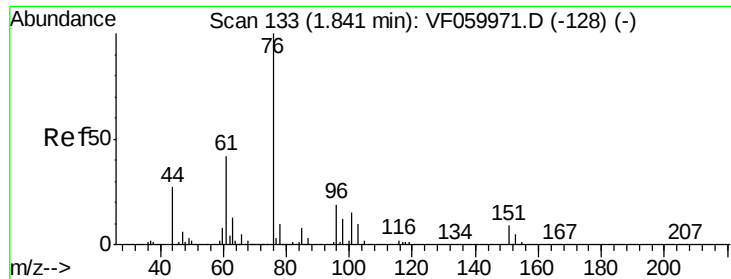
Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Tgt Ion:	43	Resp:	100543
Ion	Ratio	Lower	Upper
43	100		
58	12.9	11.1	16.7





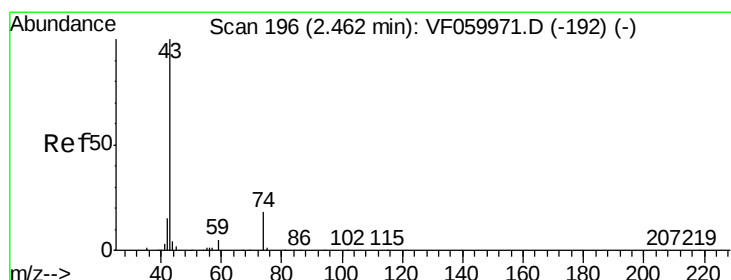
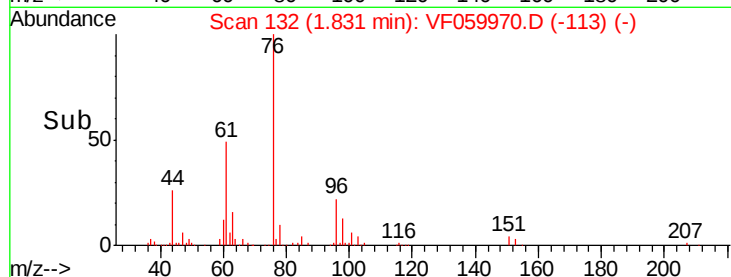
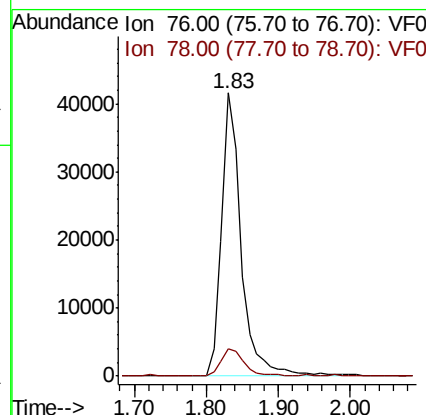
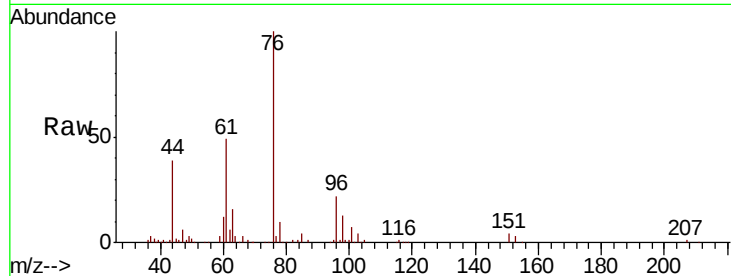
#17
Carbon Disulfide
Concen: 29.12 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	8.0	12.0

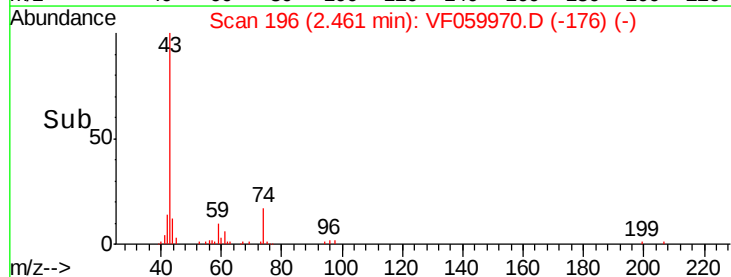
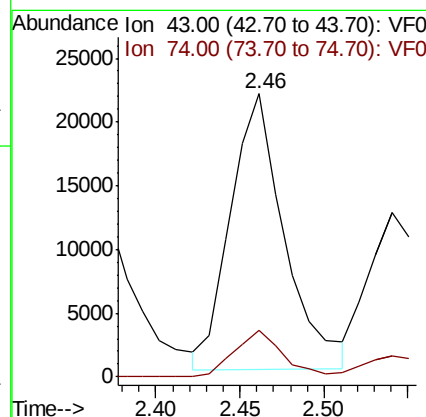
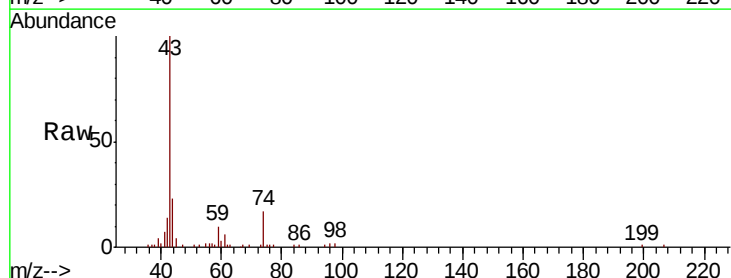
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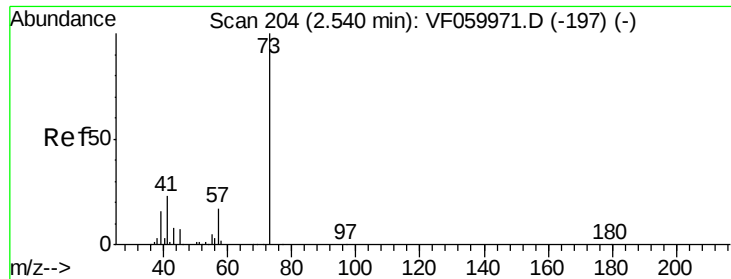
apatel
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#18
Methyl Acetate
Concen: 60.58 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.5	13.2	19.8





#19

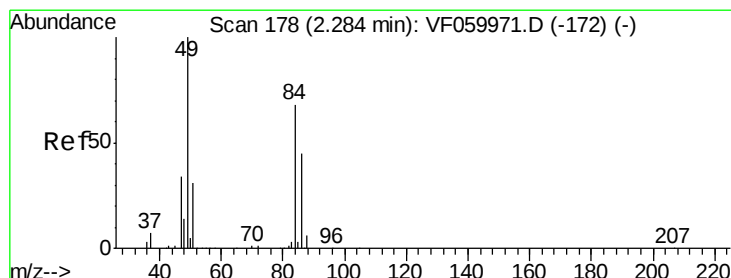
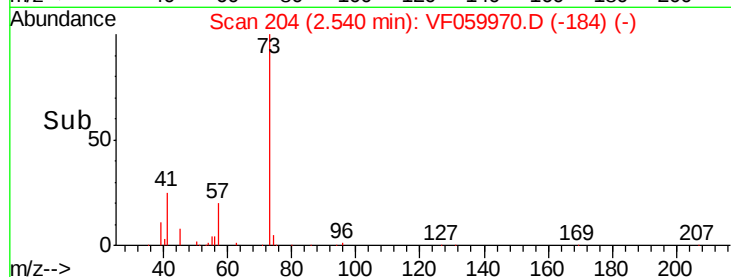
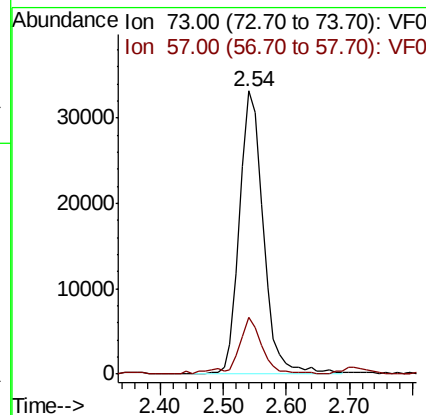
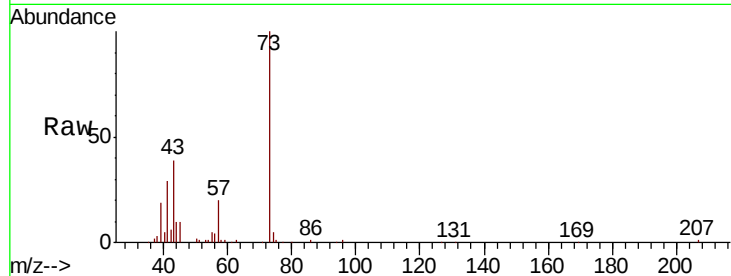
Methyl tert-butyl Ether
Concen: 28.62 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	13.7	20.5

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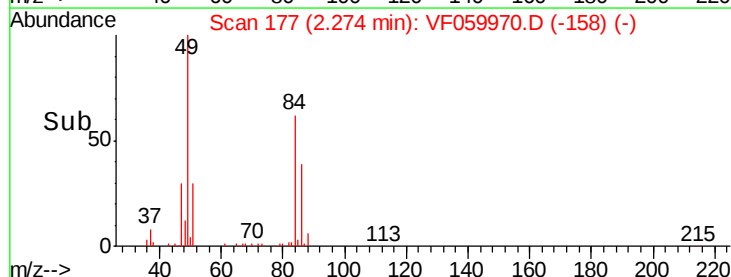
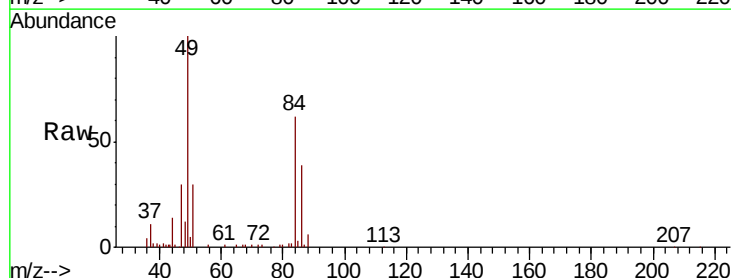
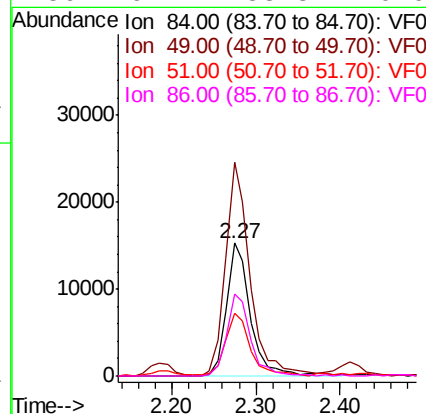
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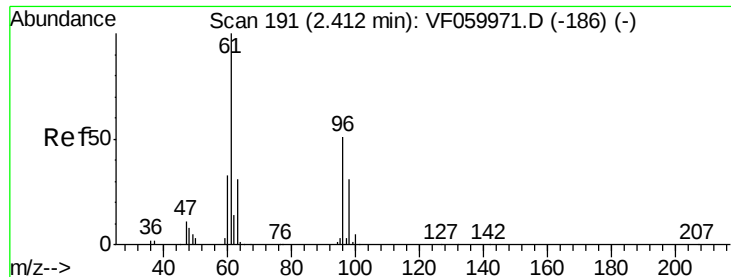


#20

Methylene Chloride
Concen: 26.16 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	161.1	118.2	177.2
51	47.6	36.3	54.5
86	62.1	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 25.86 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

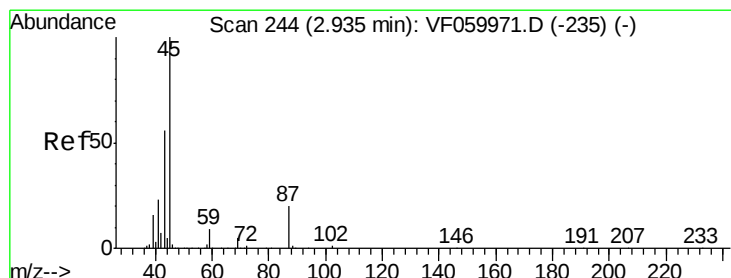
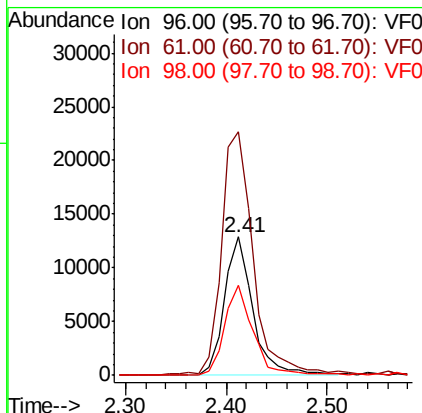
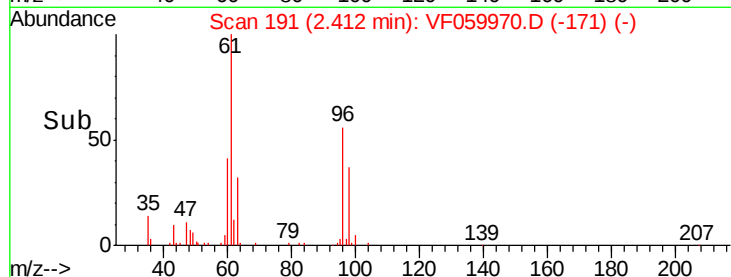
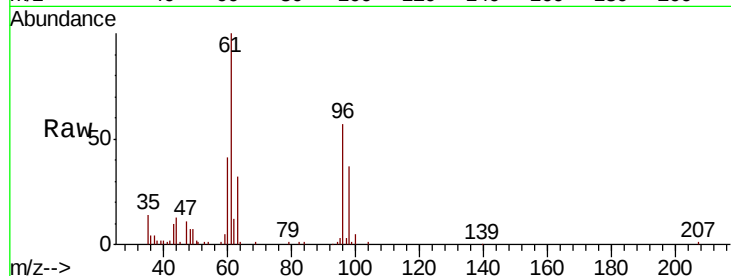
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	25376
Ion	Ratio	Lower	Upper
96	100		
61	176.0	156.9	235.3
98	65.4	48.6	73.0

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#22

Diisopropyl ether

Concen: 24.71 ug/l

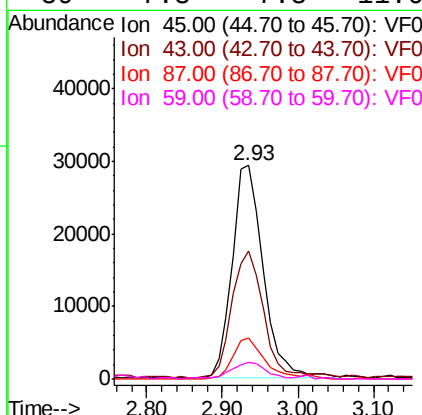
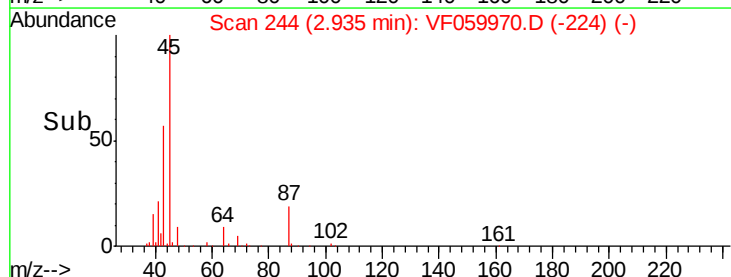
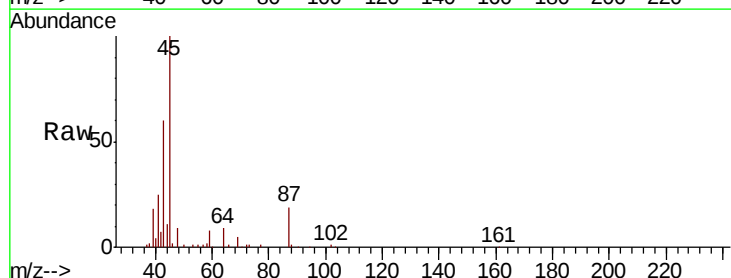
RT: 2.93 min Scan# 244

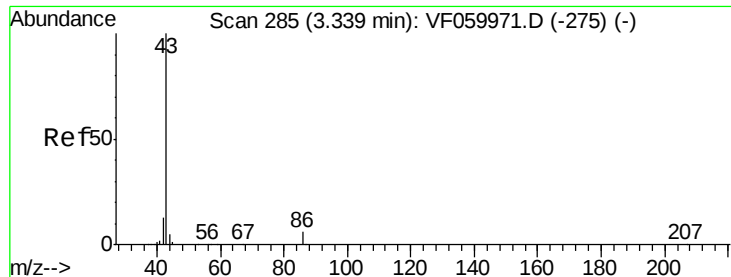
Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Tgt Ion:	45	Resp:	83854
Ion	Ratio	Lower	Upper
45	100		
43	59.7	44.9	67.3
87	19.5	15.8	23.6
59	7.8	7.8	11.6





#23

Vinyl Acetate

Concen: 114.86 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 187936

Ion Ratio Lower Upper

43 100

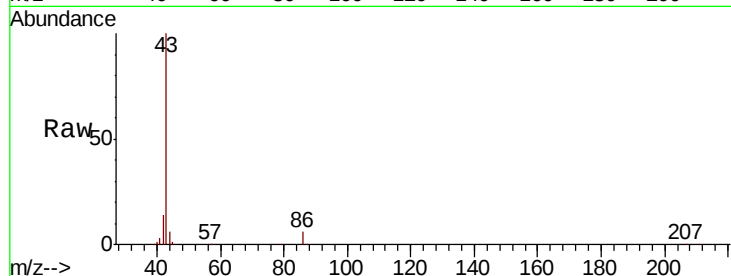
86 6.2 4.5 6.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

80000

60000

40000

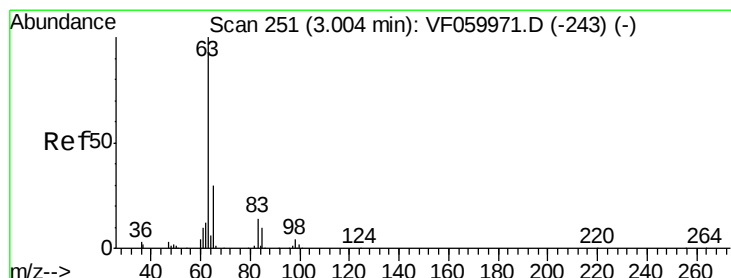
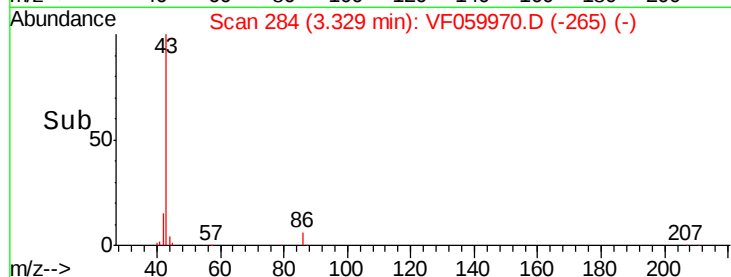
20000

0

Time-->

3.20 3.30 3.40 3.50

3.33



#24

1,1-Dichloroethane

Concen: 24.08 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

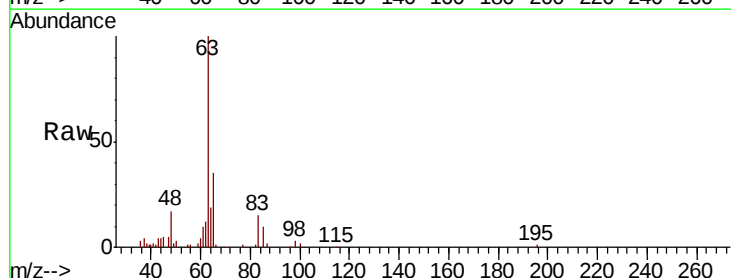
Tgt Ion: 63 Resp: 57072

Ion Ratio Lower Upper

63 100

98 3.3 1.8 5.4

100 2.4 1.1 3.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

30000

25000

20000

15000

10000

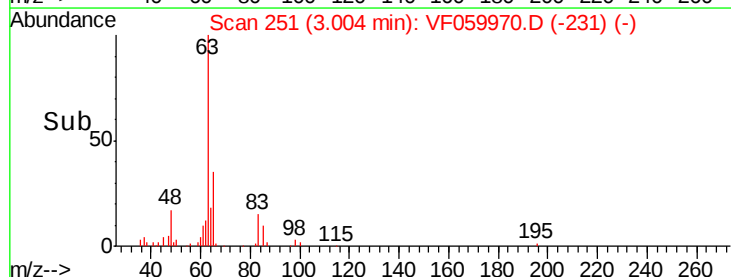
5000

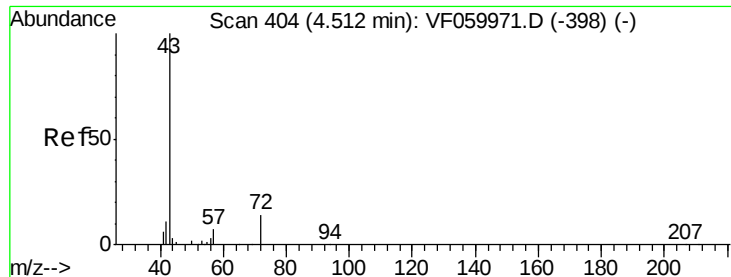
0

Time-->

2.90 3.00 3.10

3.00





#25

2-Butanone

Concen: 156.84 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 75539

Ion Ratio Lower Upper

43 100

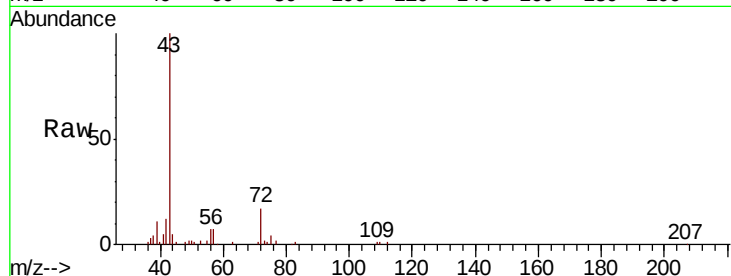
72 16.8 13.4 20.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

25000

20000

15000

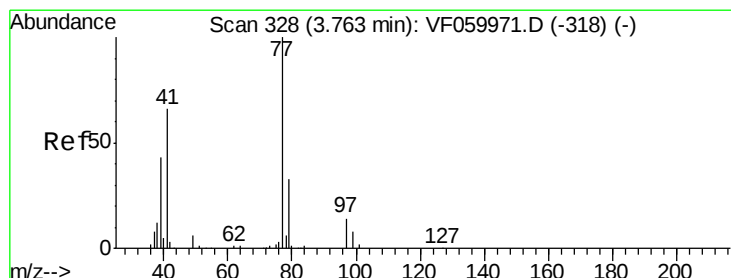
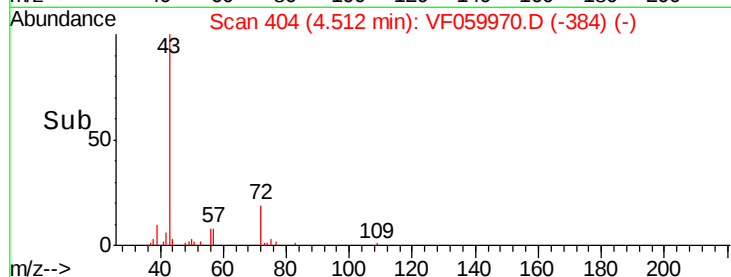
10000

5000

0

4.40 4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 32.08 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF059970.D

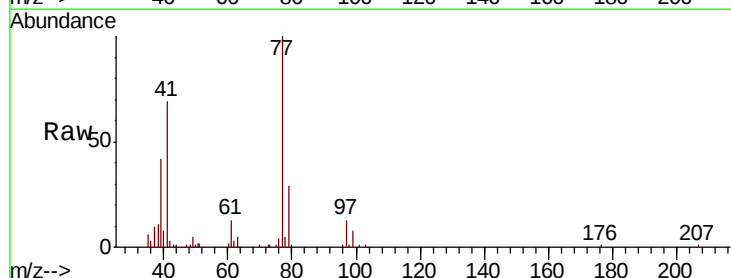
Acq: 16 Aug 2018 20:09

Tgt Ion: 77 Resp: 52970

Ion Ratio Lower Upper

77 100

97 13.0 7.4 22.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

15000

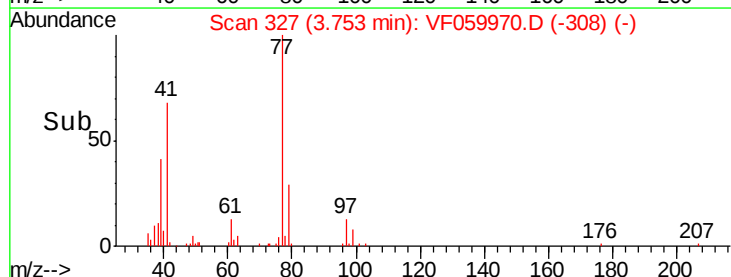
10000

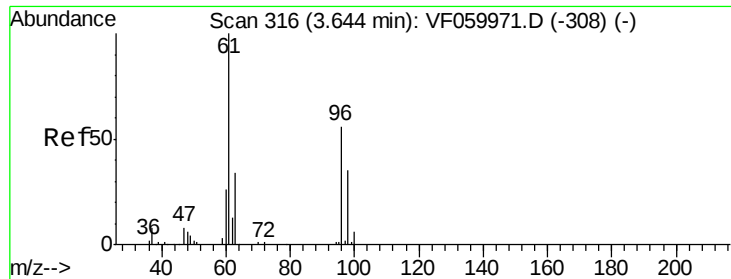
5000

0

3.60 3.70 3.80 3.90

Time-->





#27

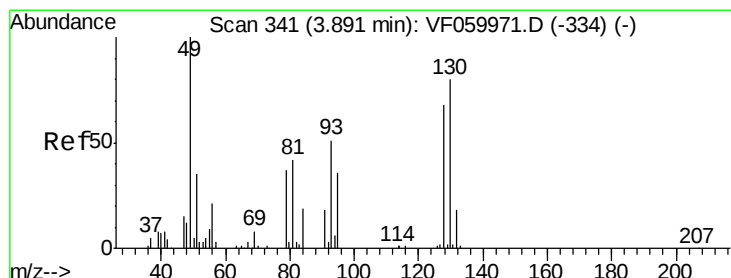
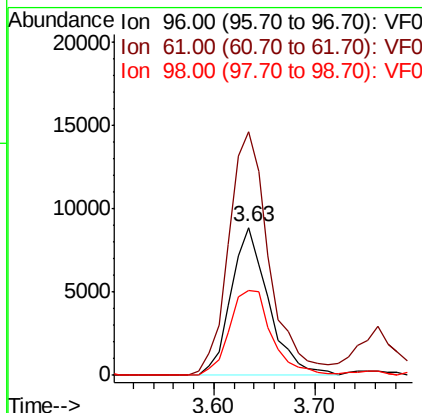
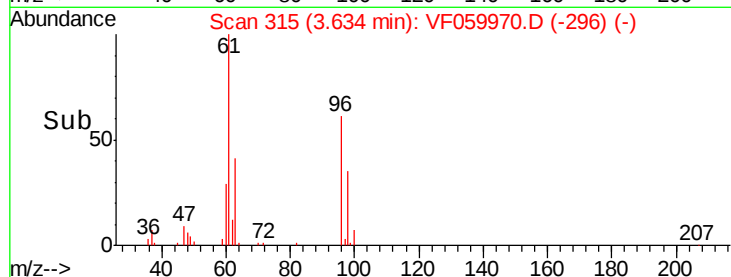
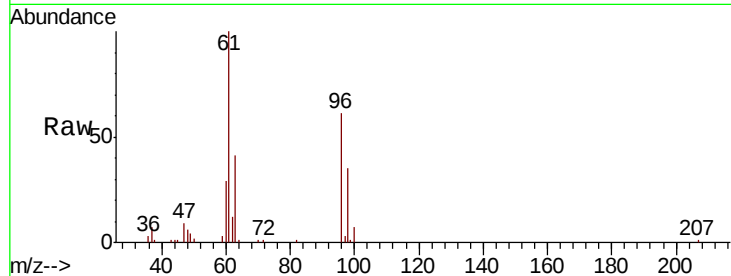
cis-1,2-Dichloroethene
Concen: 21.84 ug/l
RT: 3.63 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	22989		
61	164.3		0.0	356.4
98	57.4		0.0	125.2

Manual Integrations
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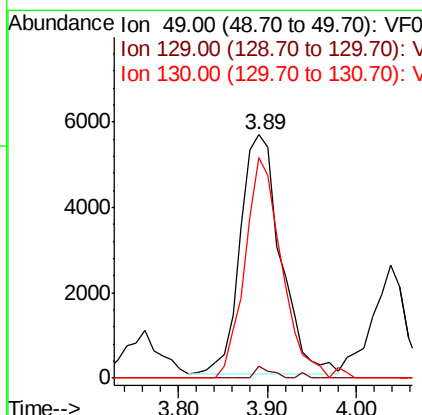
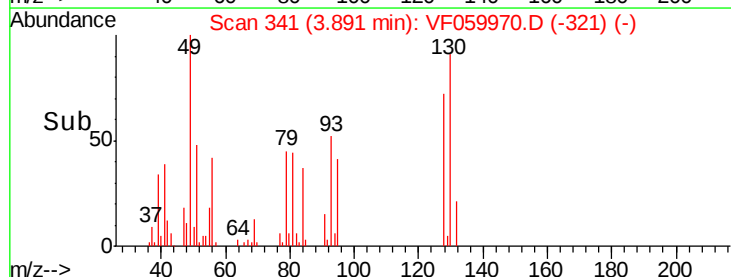
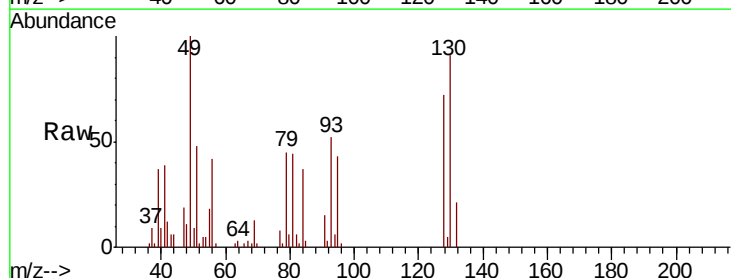
apatel
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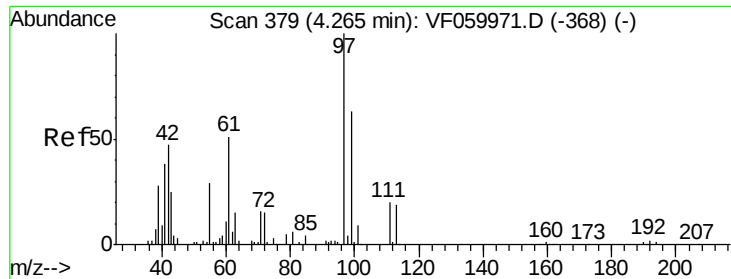


#28

Bromochloromethane
Concen: 21.03 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	17480		
129	4.8		0.0	4.6#
130	90.7		64.0	96.0





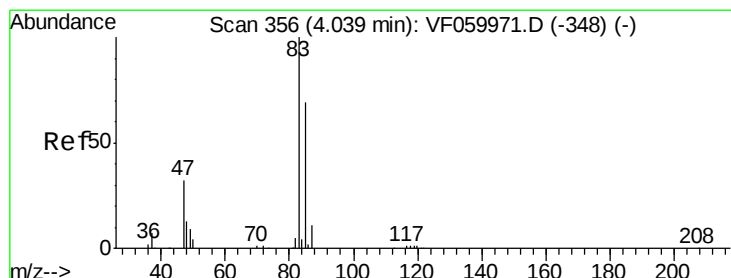
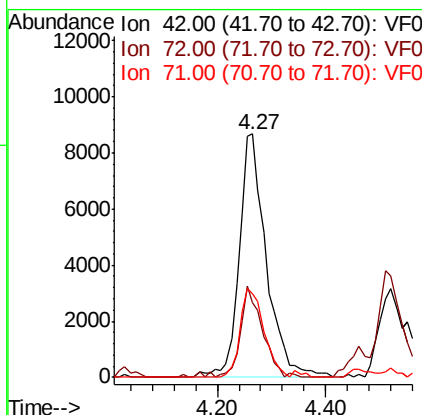
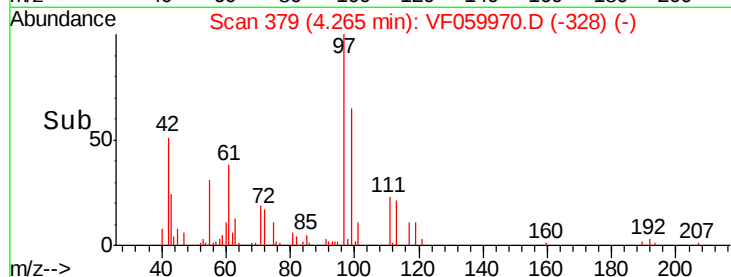
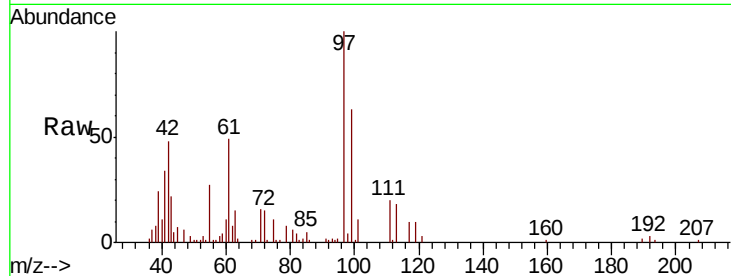
#29
Tetrahydrofuran
Concen: 179.54 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	30.1		27.9	41.9
71	31.9		26.9	40.3

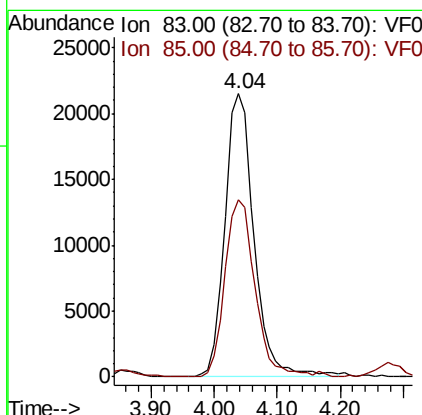
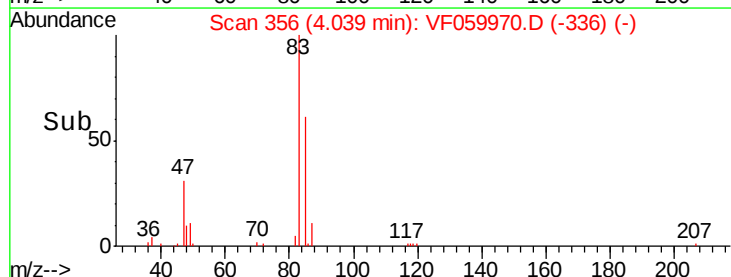
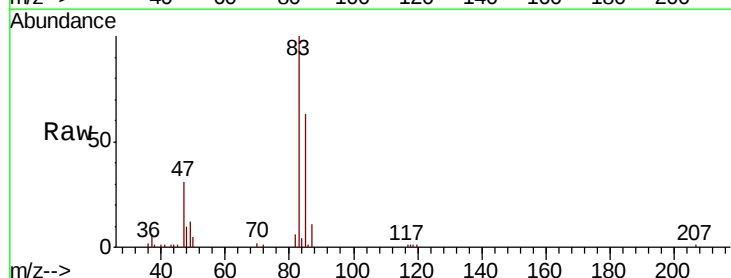
Manual Integrations
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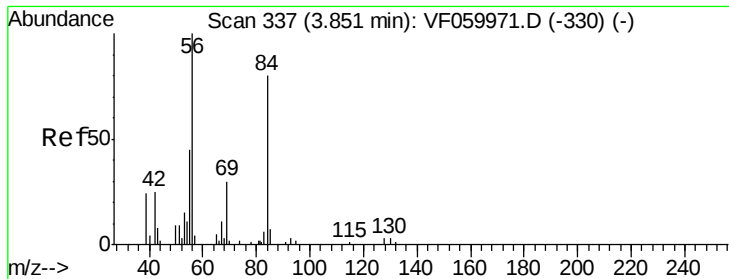
apatel
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#30
Chloroform
Concen: 21.98 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.5		54.9	82.3





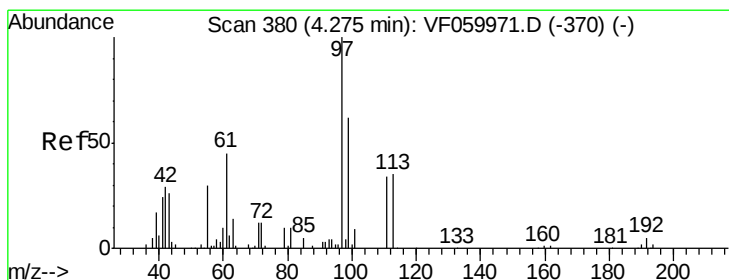
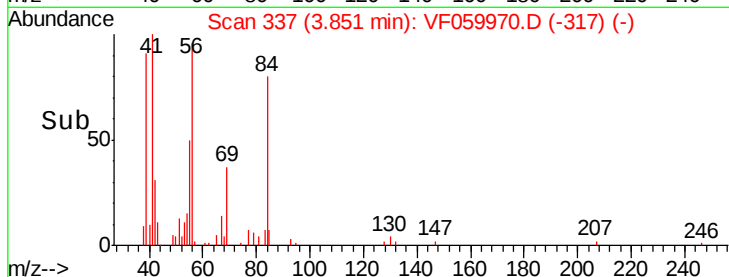
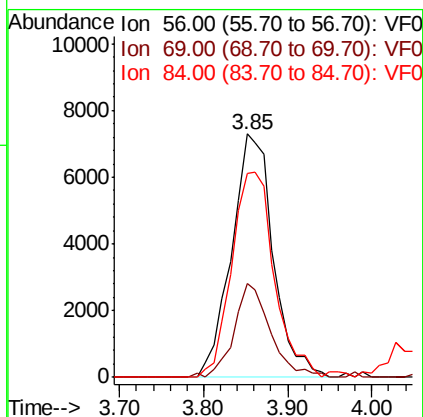
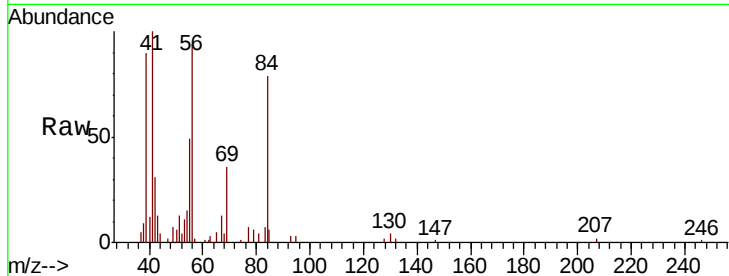
#31
Cyclohexane
Concen: 22.50 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	23.8	35.6#
84	83.7	64.3	96.5

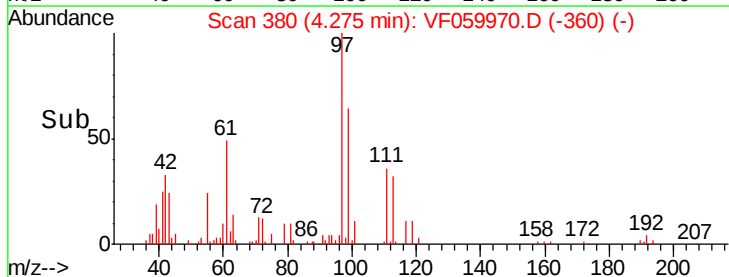
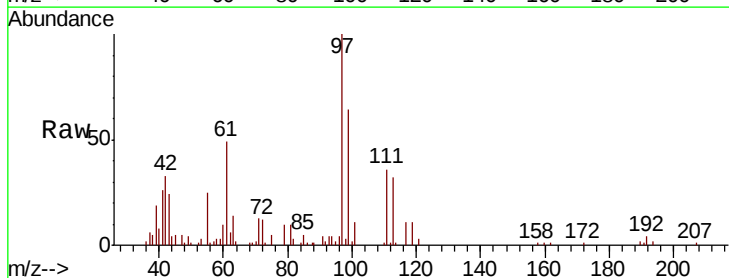
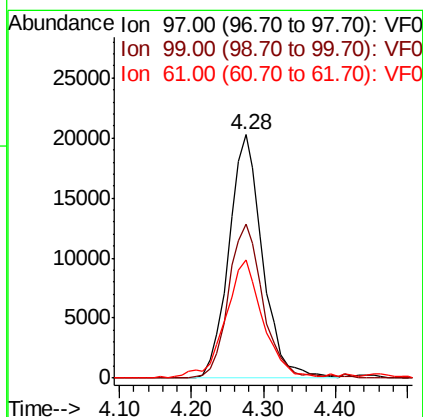
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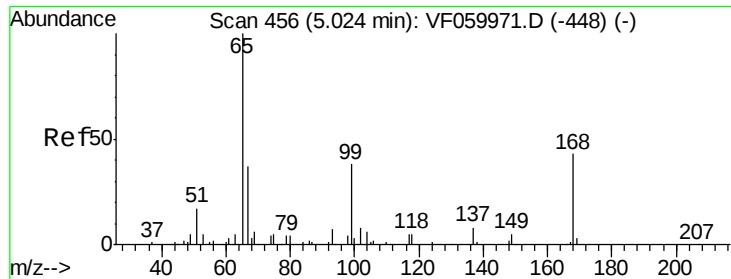
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#32
1,1,1-Trichloroethane
Concen: 24.81 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	49.3	73.9
61	48.8	36.5	54.7





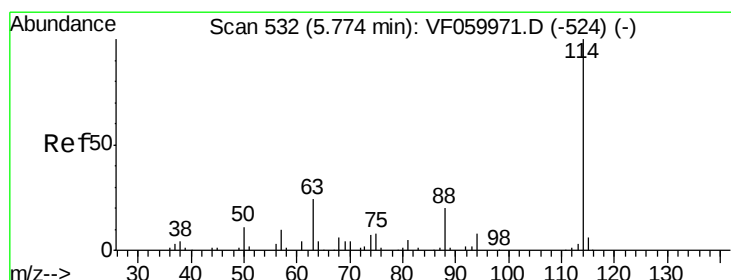
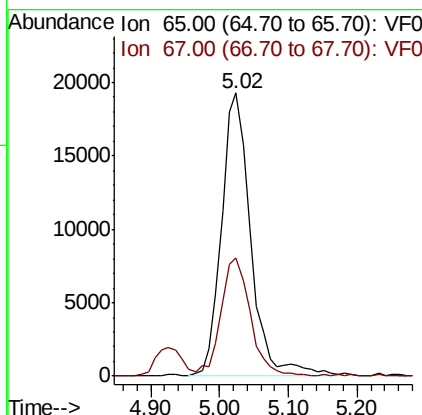
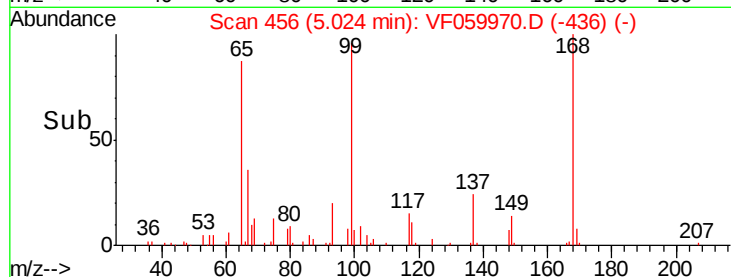
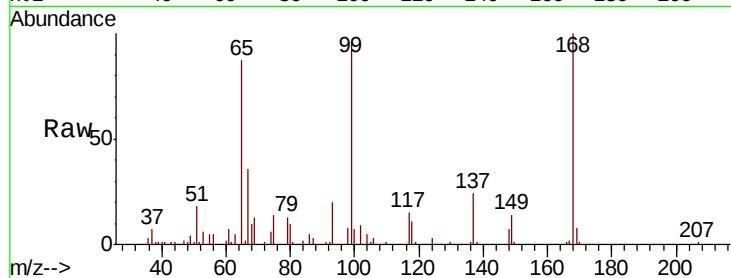
#33
 1,2-Dichloroethane-d4
 Concen: 25.48 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	56823		
67	41.9	0.0	84.8	

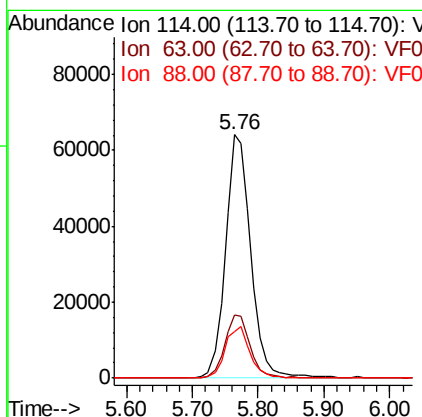
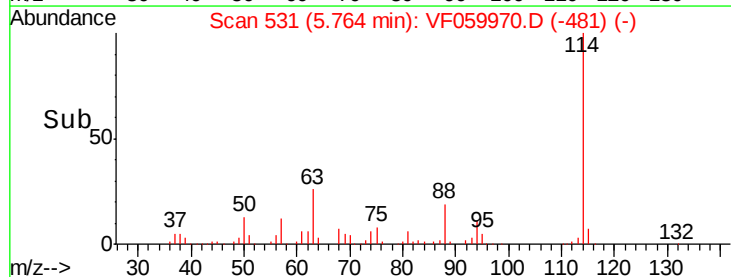
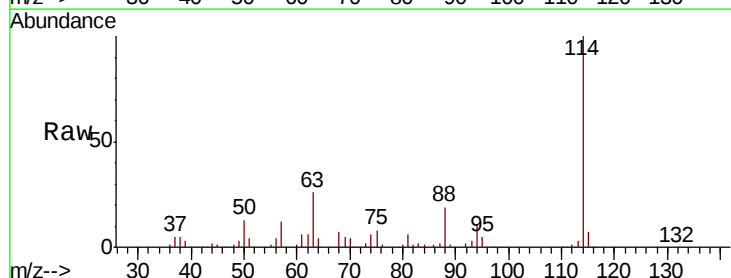
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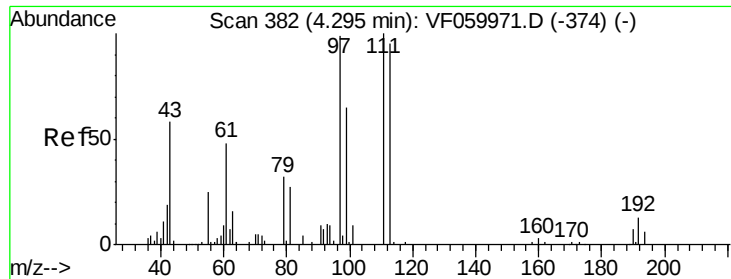
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	172005		
63	26.1	0.0	48.8	
88	18.9	0.0	39.6	





#35

Dibromofluoromethane

Concen: 21.10 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

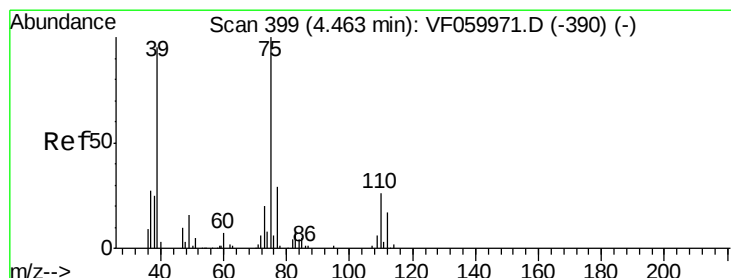
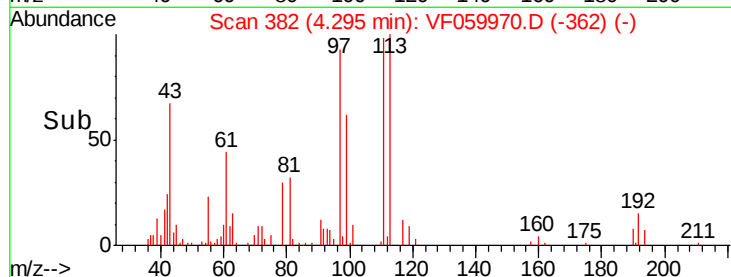
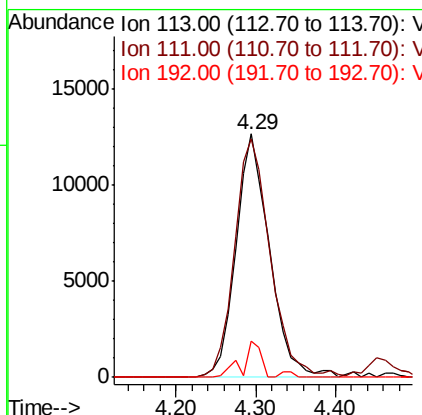
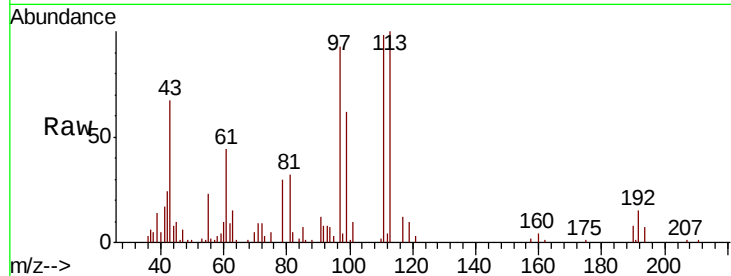
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	36881
Ion	Ratio	Lower	Upper
113	100		
111	97.8	83.9	125.9
192	14.6	11.3	16.9

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#36

1,1-Dichloropropene

Concen: 20.97 ug/l

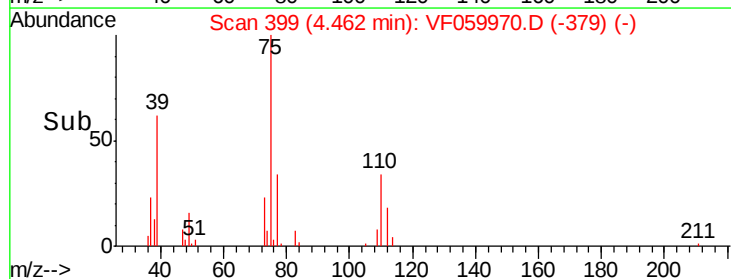
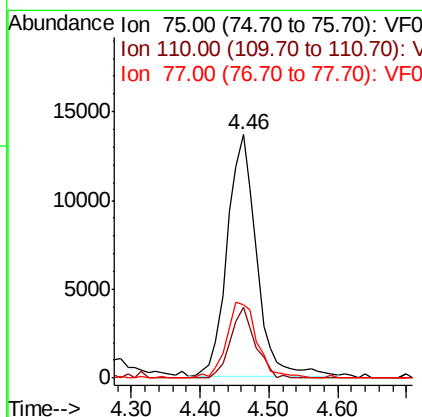
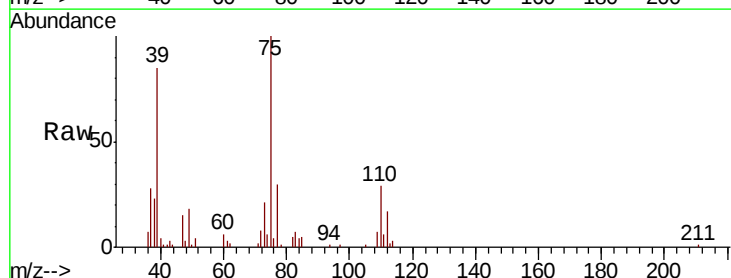
RT: 4.46 min Scan# 399

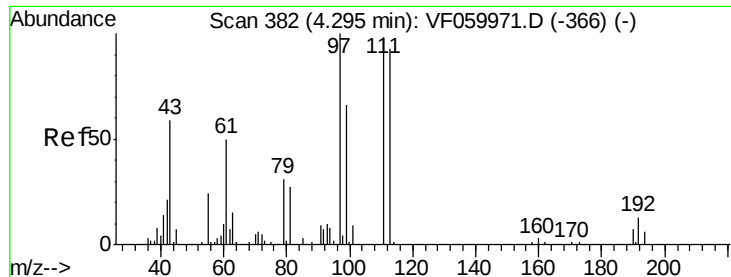
Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Tgt Ion:	75	Resp:	39951
Ion	Ratio	Lower	Upper
75	100		
110	29.2	13.1	39.3
77	30.4	23.4	35.0





#37

Ethyl Acetate

Concen: 33.95 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 31574

Ion Ratio Lower Upper

43 100

61 65.4 67.0 100.4#

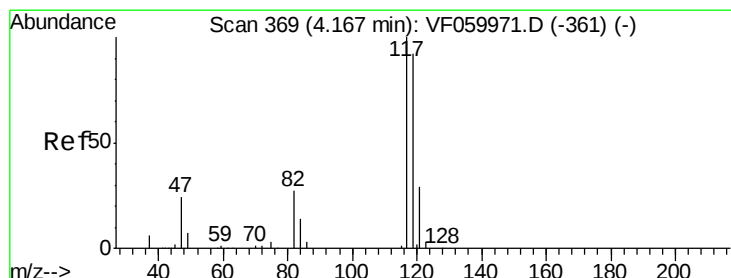
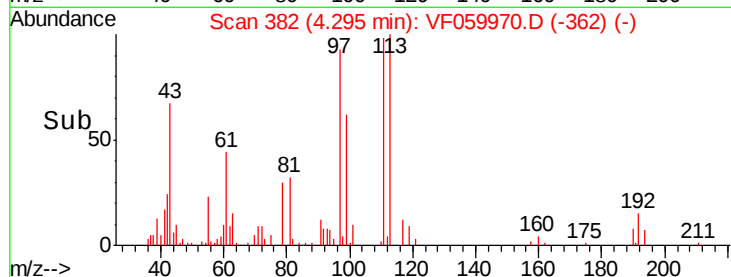
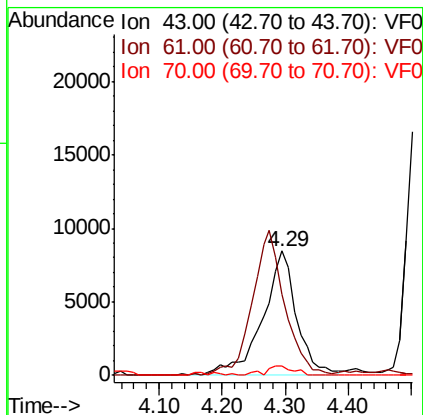
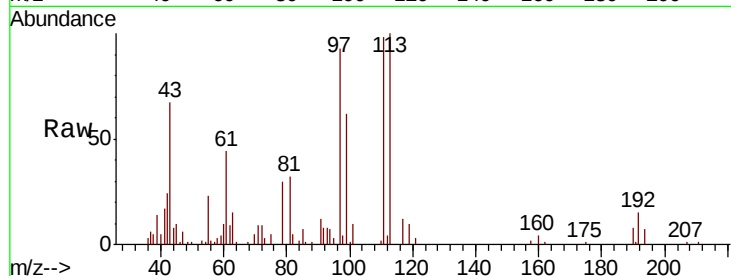
70 7.3 6.7 10.1

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#38

Carbon Tetrachloride

Concen: 16.24 ug/l

RT: 4.17 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

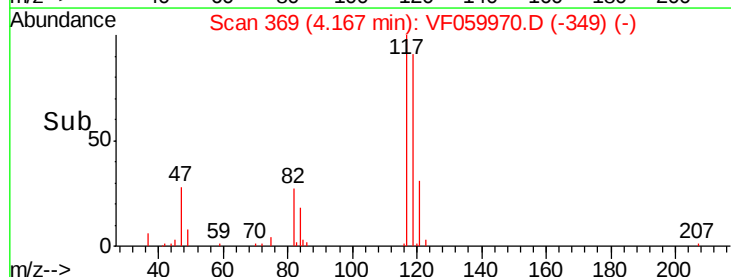
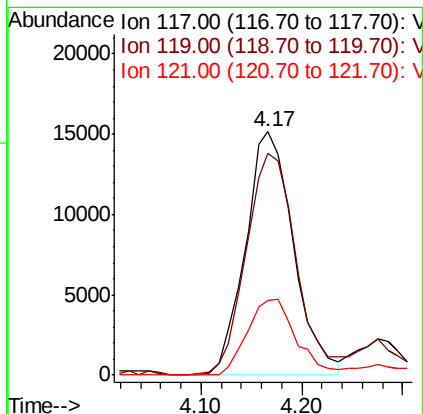
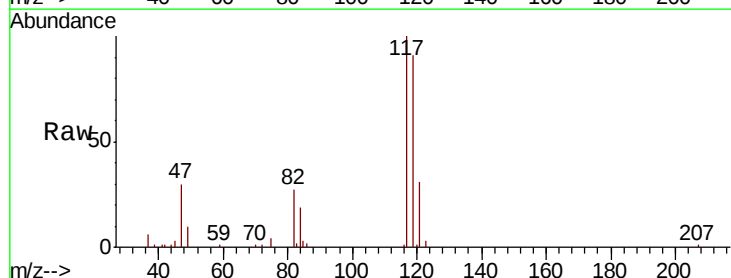
Tgt Ion: 117 Resp: 50224

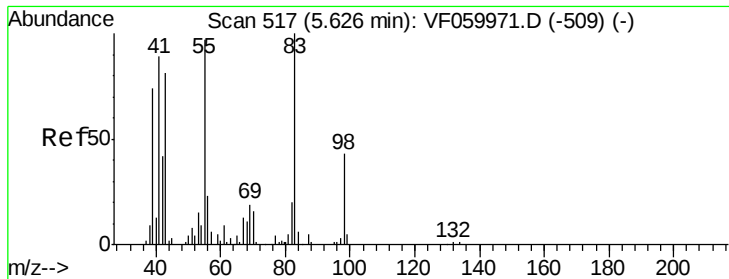
Ion Ratio Lower Upper

117 100

119 91.3 73.6 110.4

121 30.7 23.4 35.2





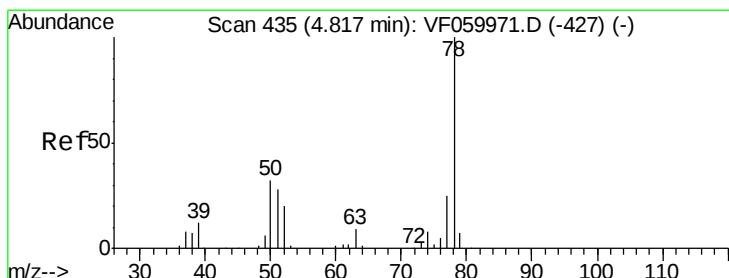
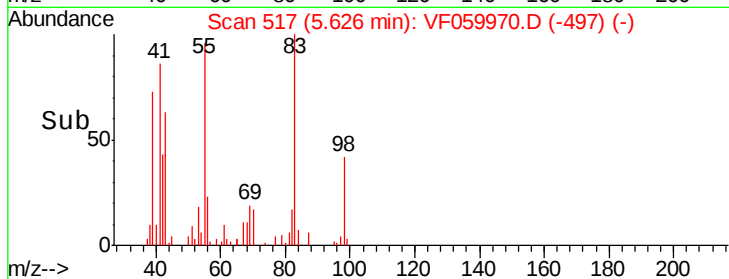
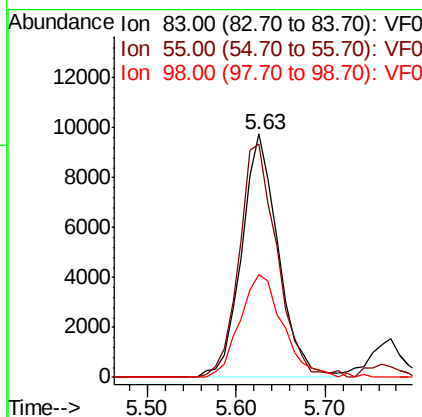
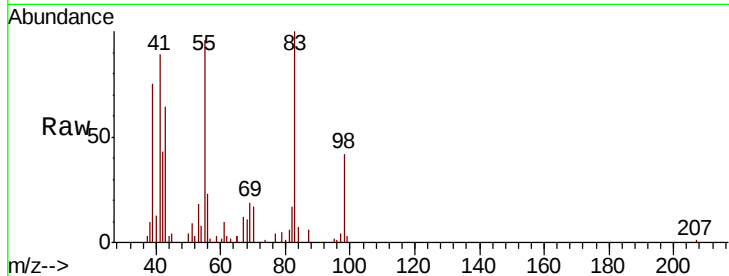
#39
Methvlcvclohexane
Concen: 20.06 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.1	77.7	116.5
98	42.0	34.2	51.4

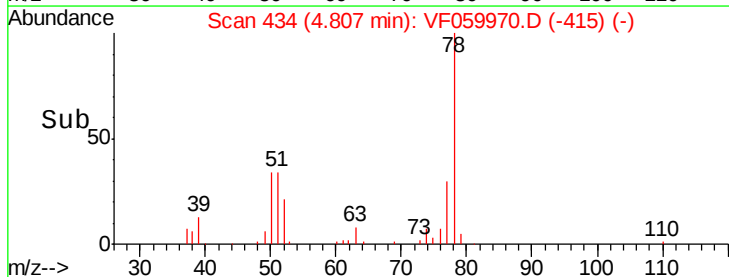
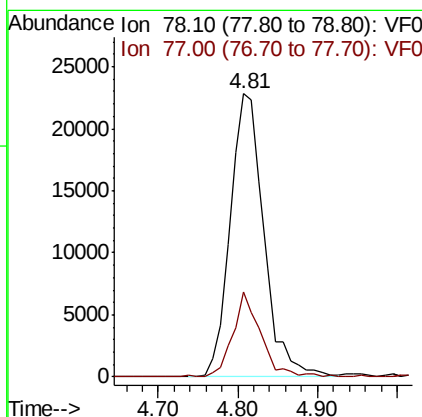
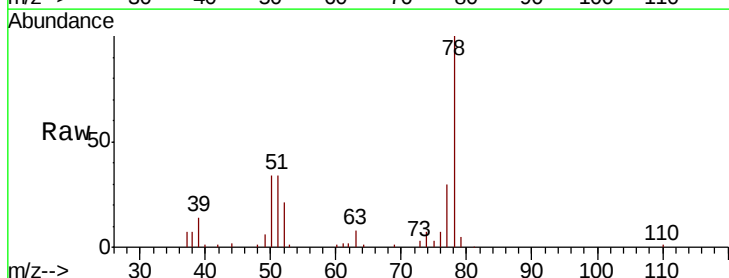
Manual Integrations
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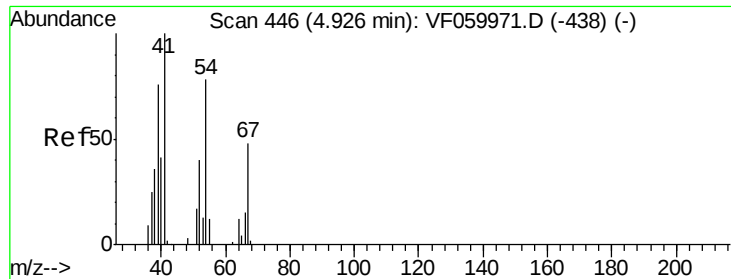
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#40
Benzene
Concen: 21.05 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	30.0	20.3	30.5





#41

Methacrylonitrile

Concen: 32.94 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

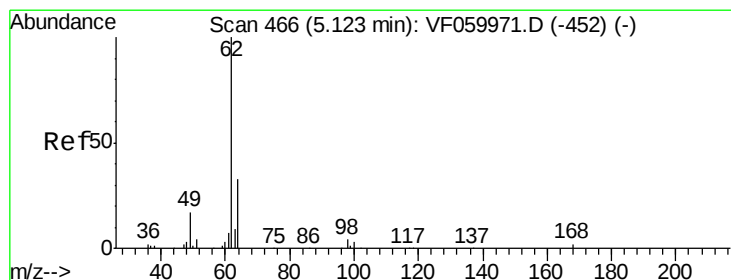
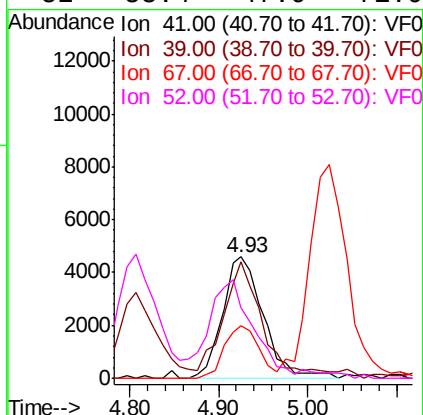
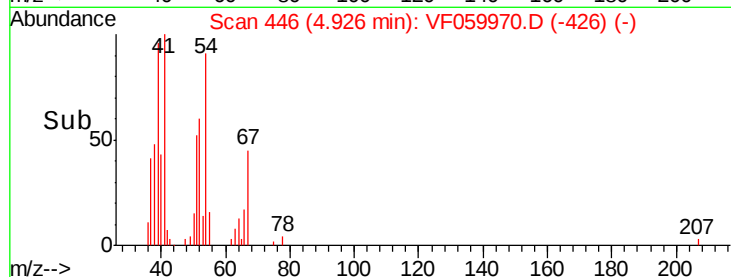
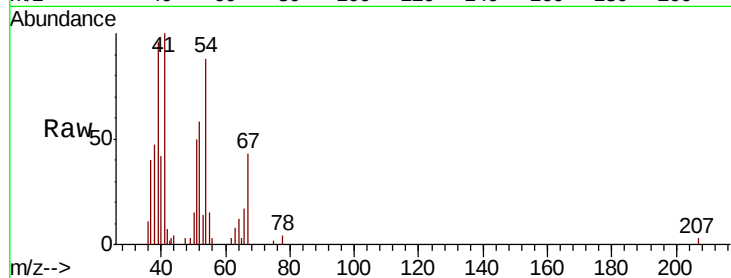
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	96.0	69.9	104.9	
67	43.4	38.6	58.0	
52	58.4	47.9	71.9	

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#42

1,2-Dichloroethane

Concen: 25.65 ug/l

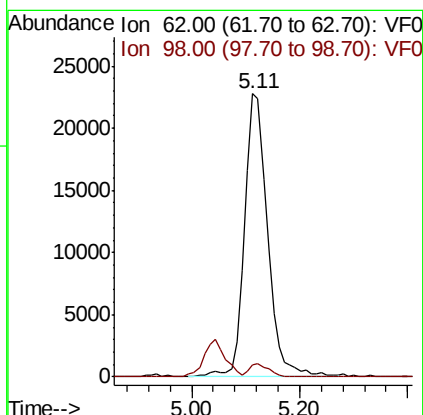
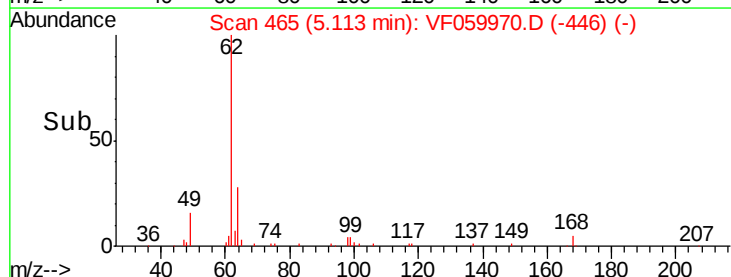
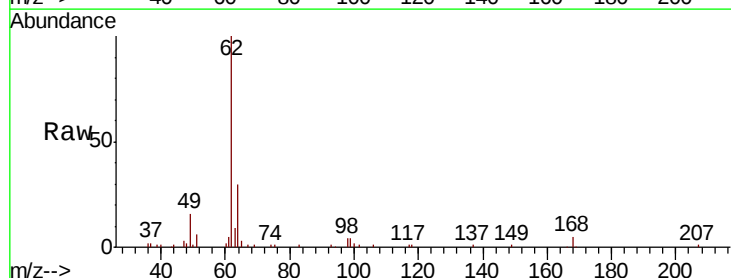
RT: 5.11 min Scan# 465

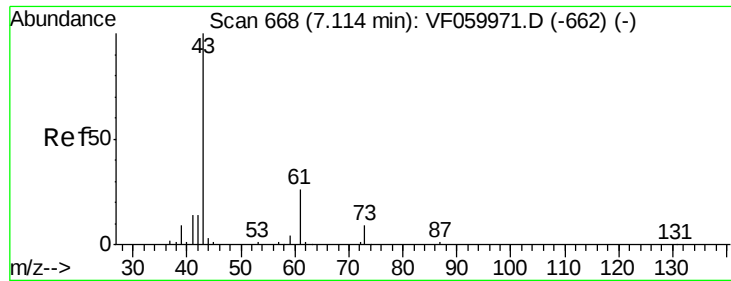
Delta R.T. -0.01 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.1	0.0	8.2	





#43

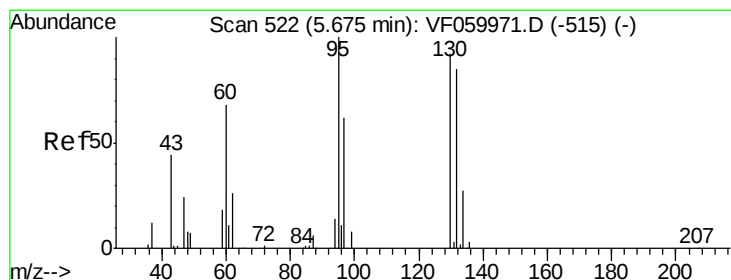
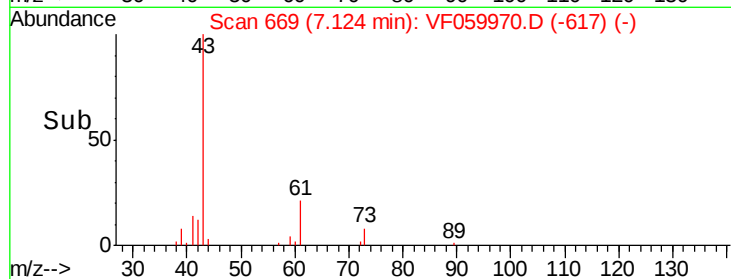
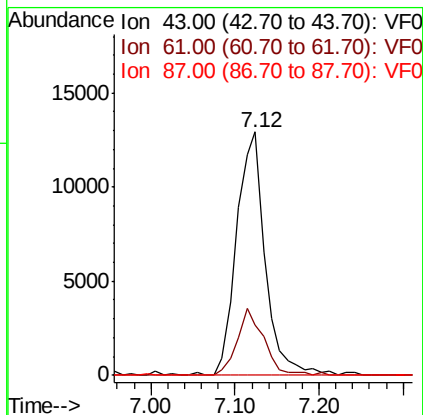
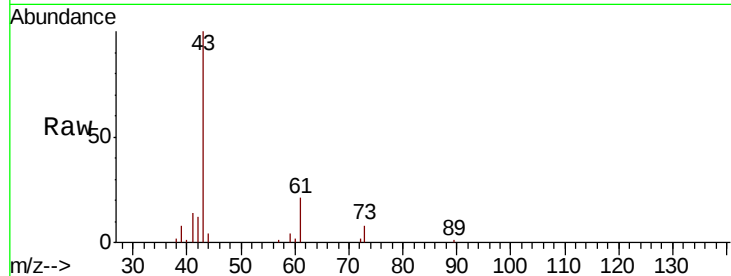
Isopropyl Acetate
 Concen: 30.09 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	20.8	31.2
87	0.0	0.5	0.7#

Manual Integrations
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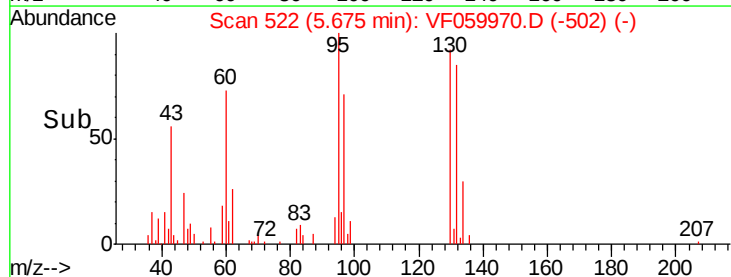
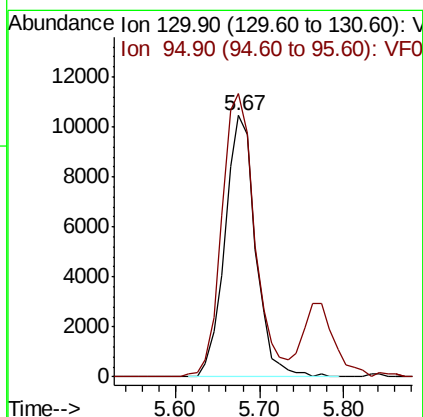
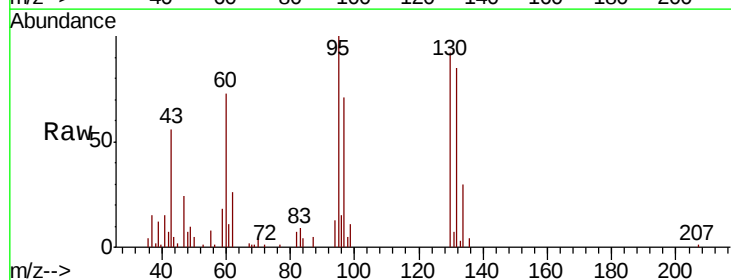
apatel
 8/17/2018 11:24:18 AM

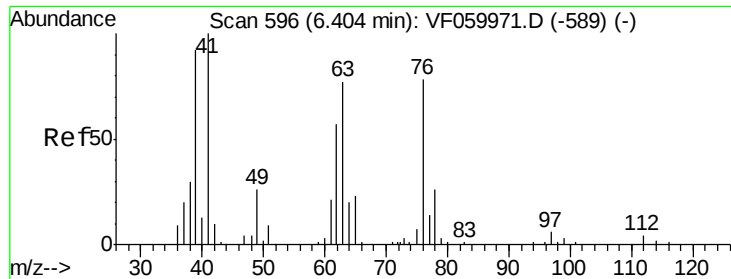


#44

Trichloroethene
 Concen: 21.28 ug/l
 RT: 5.67 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	218.4





#45

1,2-Dichloropropane

Concen: 22.24 ug/l

RT: 6.40 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 19320

Ion Ratio Lower Upper

63 100

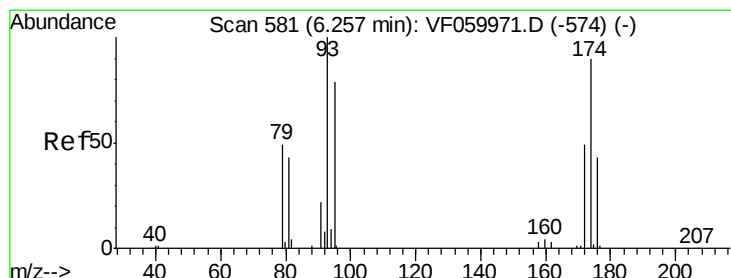
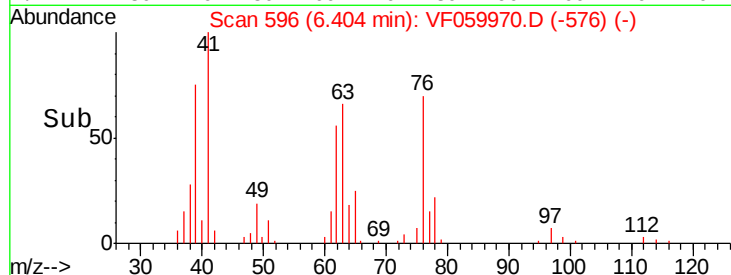
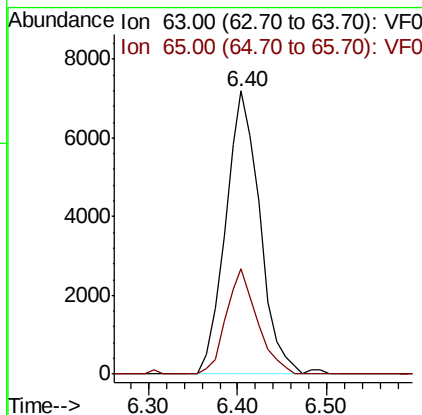
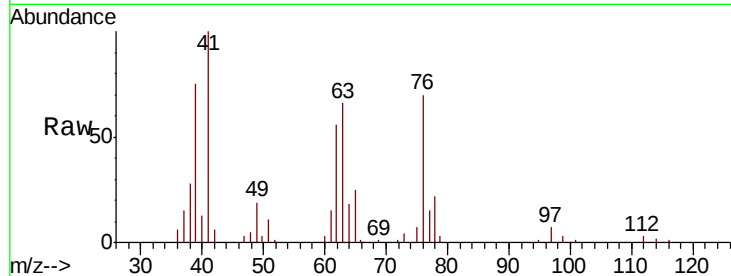
65 37.4 23.8 35.6#

Manual Integrations

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#46

Dibromomethane

Concen: 25.37 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

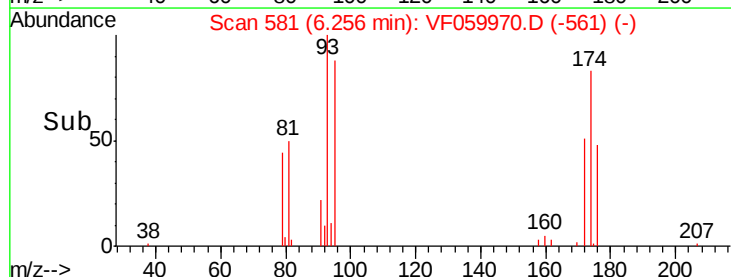
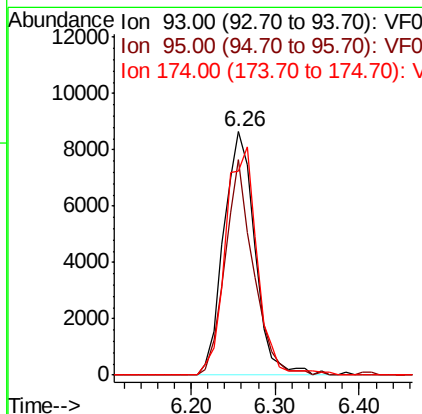
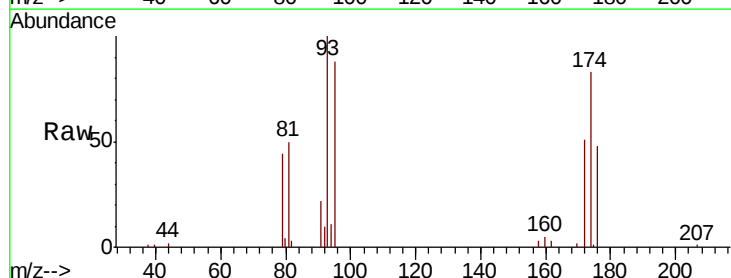
Tgt Ion: 93 Resp: 22334

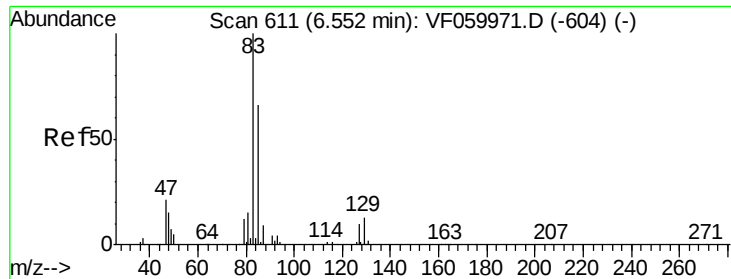
Ion Ratio Lower Upper

93 100

95 88.5 64.0 96.0

174 83.9 71.8 107.8





#47

Bromodichloromethane

Concen: 21.59 ug/l

RT: 6.55 min Scan# 611

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

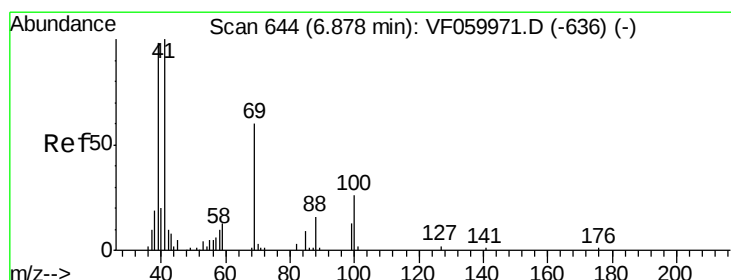
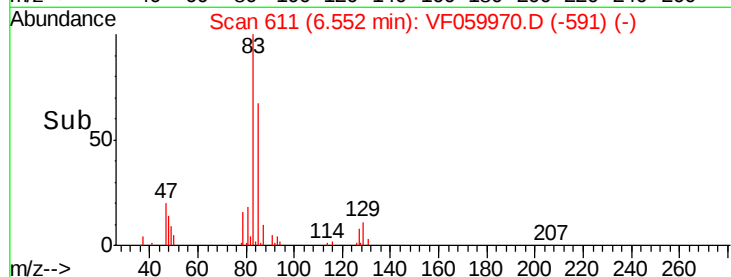
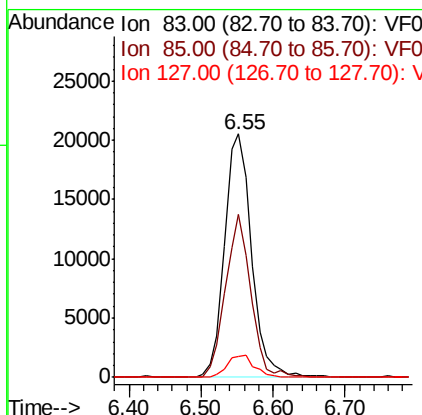
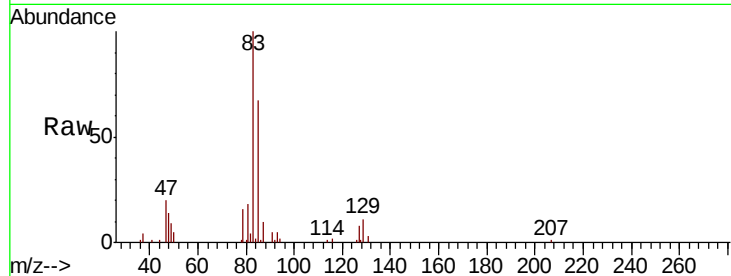
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	53347
Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.2	79.8
127	9.4	8.4	12.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 31.19 ug/l

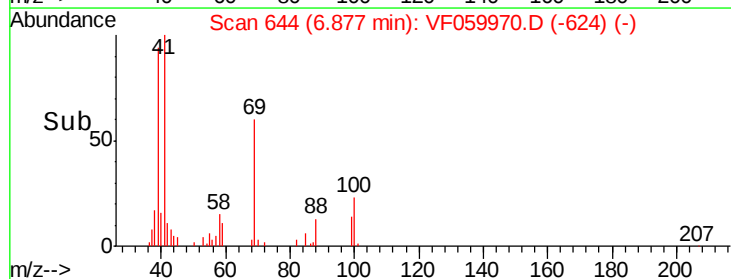
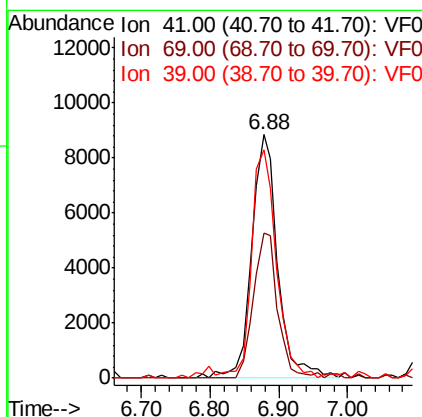
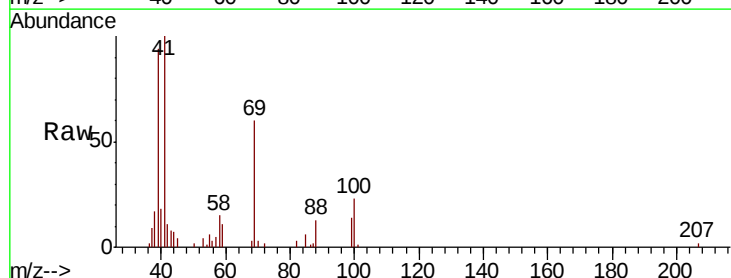
RT: 6.88 min Scan# 644

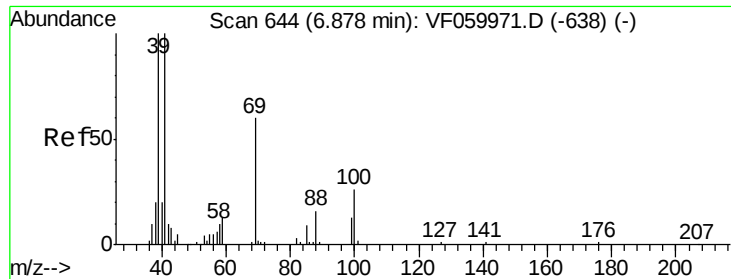
Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Tgt Ion:	41	Resp:	23268
Ion	Ratio	Lower	Upper
41	100		
69	59.6	48.1	72.1
39	93.8	79.3	118.9





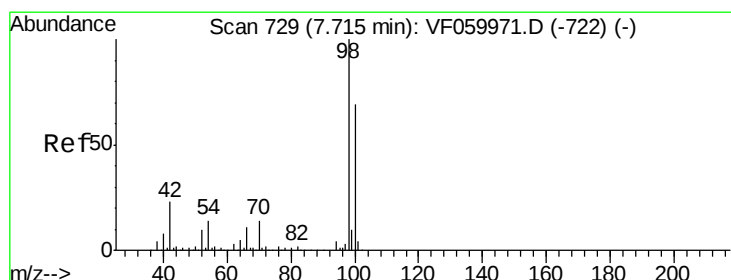
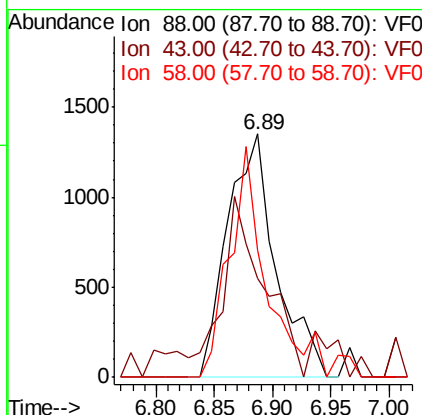
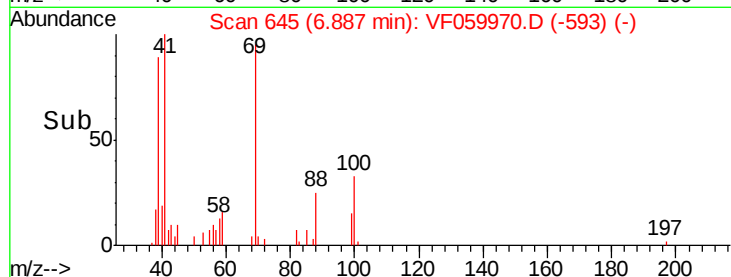
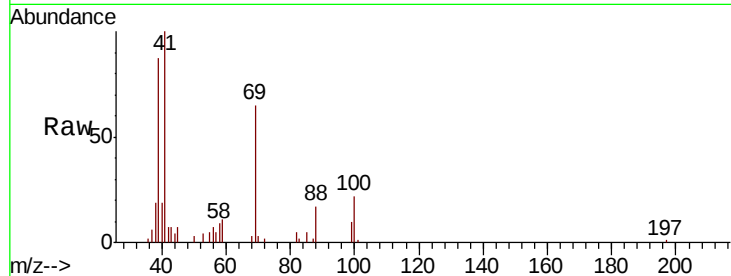
#49
1,4-Dioxane
Concen: 648.13 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.6	45.3	67.9#
58	52.4	51.2	76.8

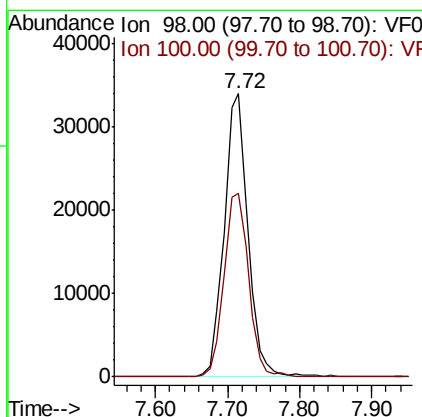
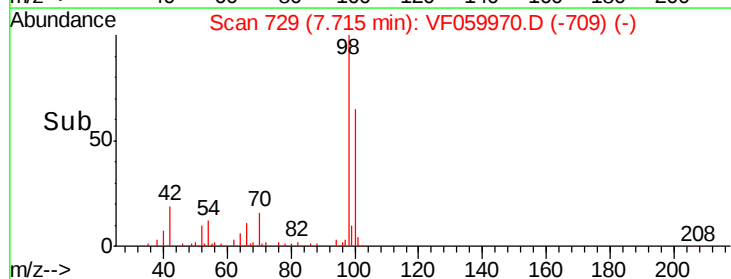
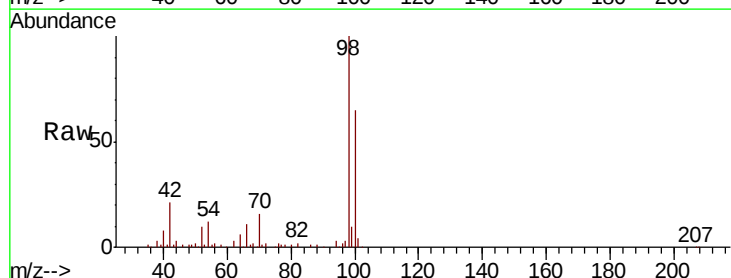
Manual Integrations
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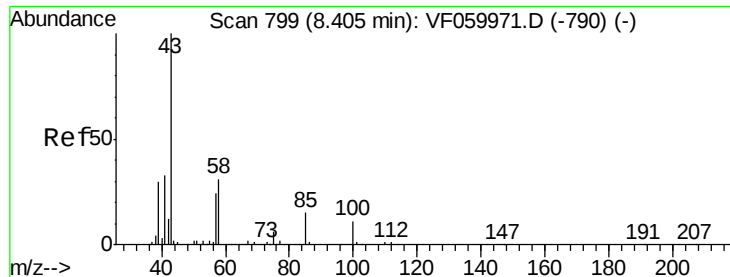
apatel
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#50
Toluene-d8
Concen: 20.41 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 159.79 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 154199

Ion Ratio Lower Upper

43 100

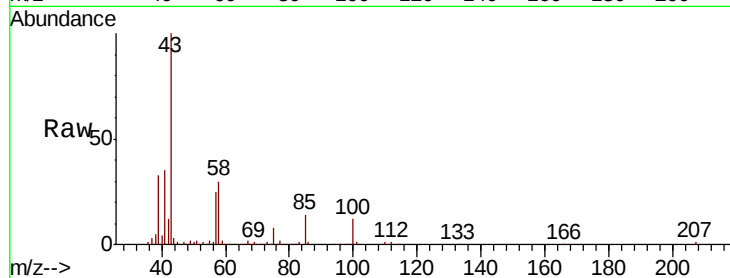
58 30.2 24.6 37.0

Manual Integrations

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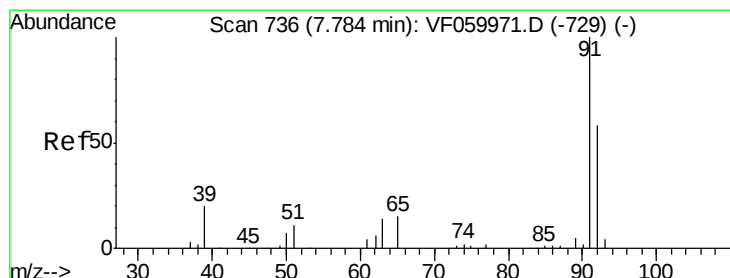
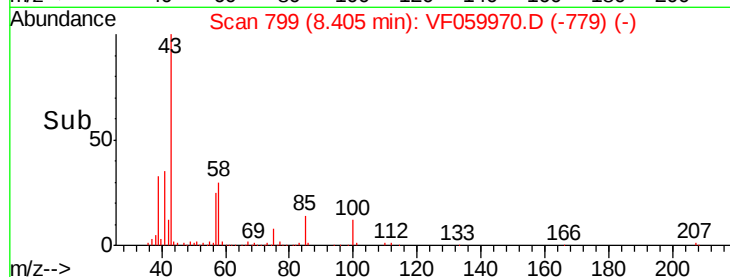
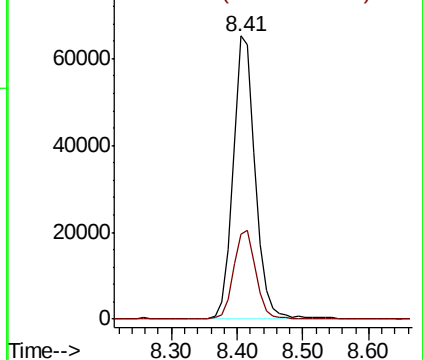
apatel

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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: 21.33 ug/l

RT: 7.78 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF059970.D

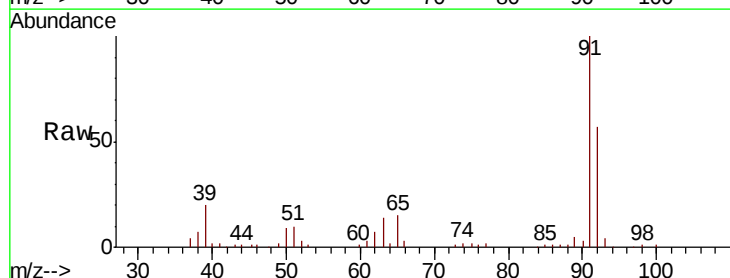
Acq: 16 Aug 2018 20:09

Tgt Ion: 92 Resp: 51147

Ion Ratio Lower Upper

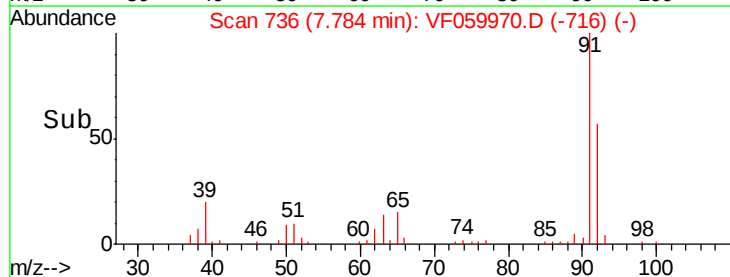
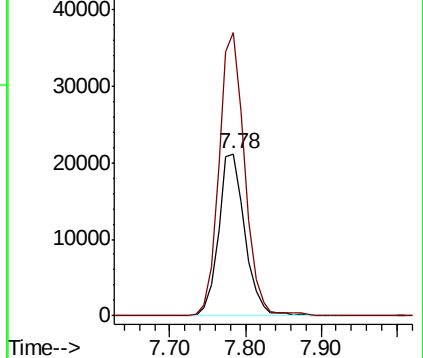
92 100

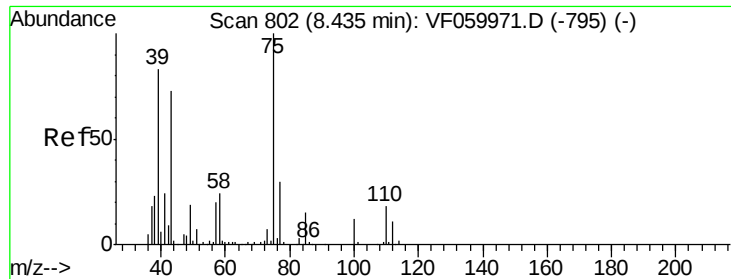
91 175.0 138.6 208.0



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: 23.58 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Tot Ion: 75 Resp: 48368

Ion Ratio Lower Upper

75 100

77 31.2 23.5 35.3

Instrument :

MSVOA_F

ClientSampleId :

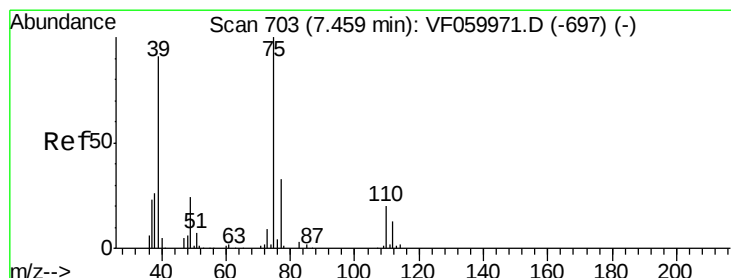
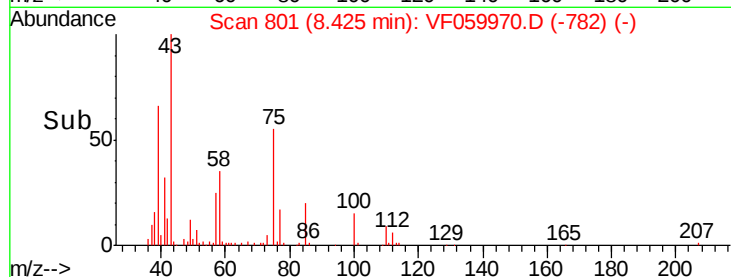
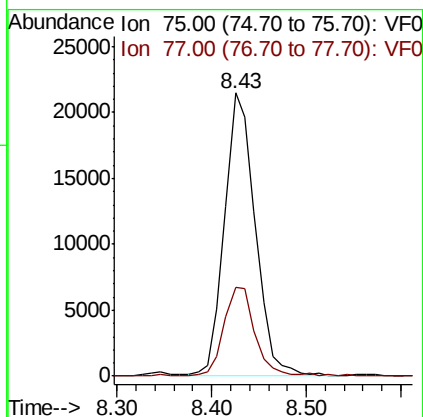
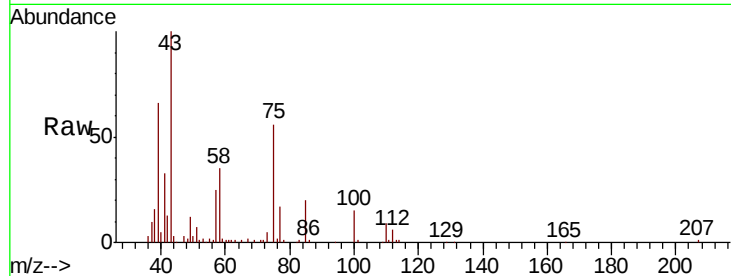
VSTDIC020

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#54

cis-1,3-Dichloropropene

Concen: 22.91 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

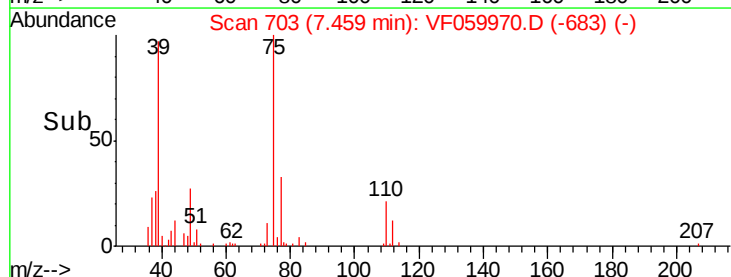
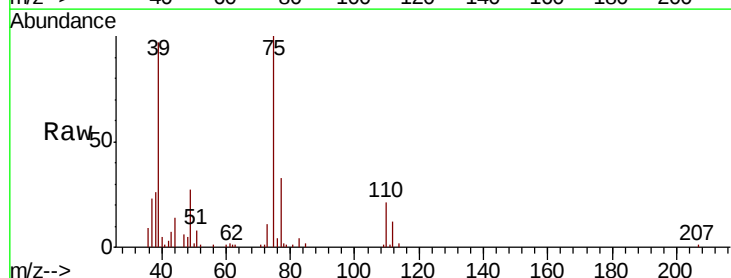
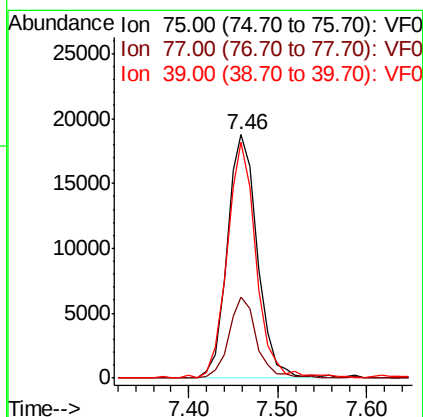
Tgt Ion: 75 Resp: 44479

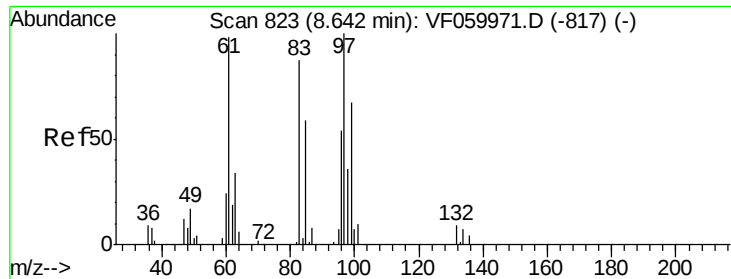
Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.4

39 97.1 73.2 109.8





#55

1,1,2-Trichloroethane

Concen: 26.91 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

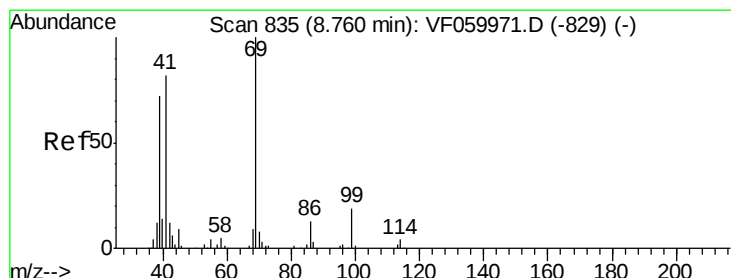
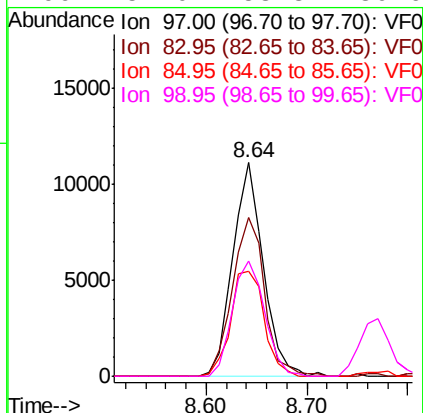
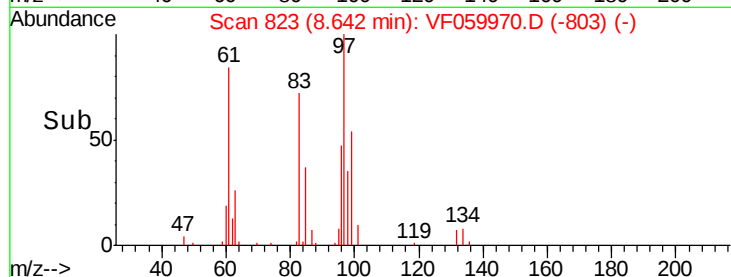
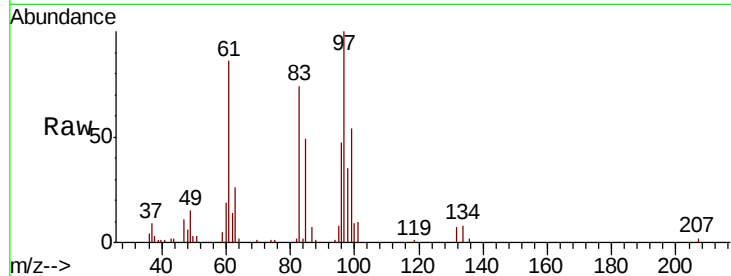
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	23343
Ion	Ratio	Lower	Upper
97	100		
83	74.3	69.7	104.5
85	48.9	47.4	71.2
99	54.0	53.8	80.6

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#56

Ethyl methacrylate

Concen: 27.76 ug/l

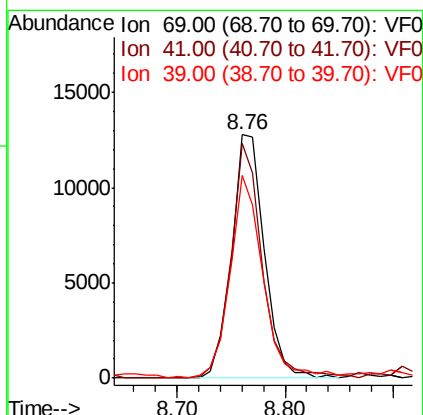
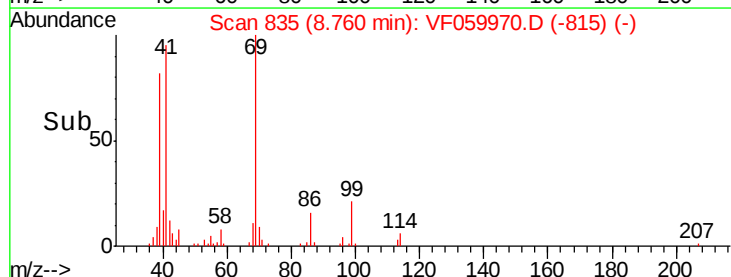
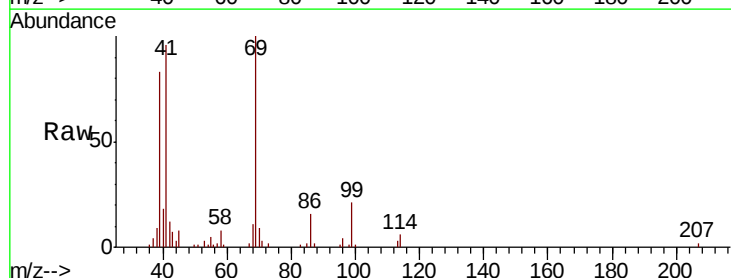
RT: 8.76 min Scan# 835

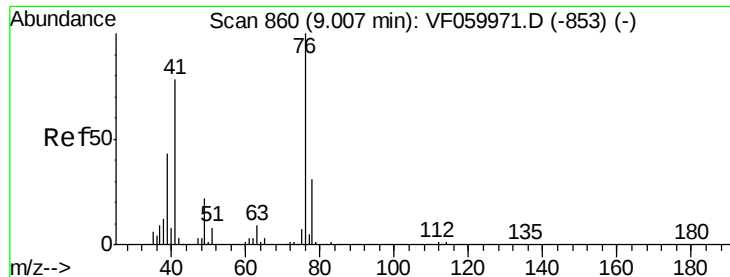
Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Tgt Ion:	69	Resp:	26934
Ion	Ratio	Lower	Upper
69	100		
41	96.3	65.6	98.4
39	83.4	58.1	87.1





#57

1,3-Dichloropropane

Concen: 25.25 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 40132

Ion Ratio Lower Upper

76 100

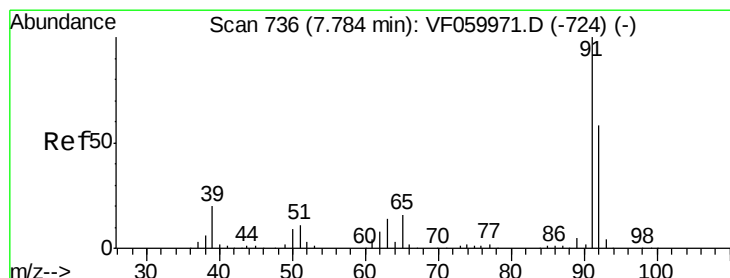
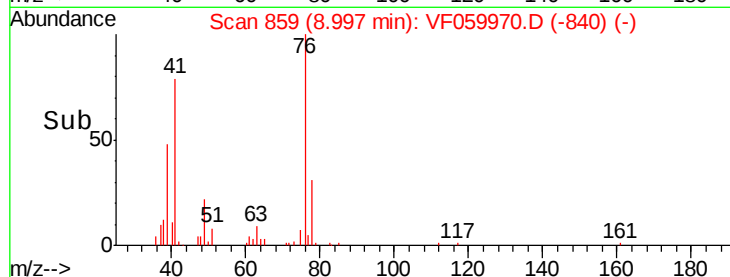
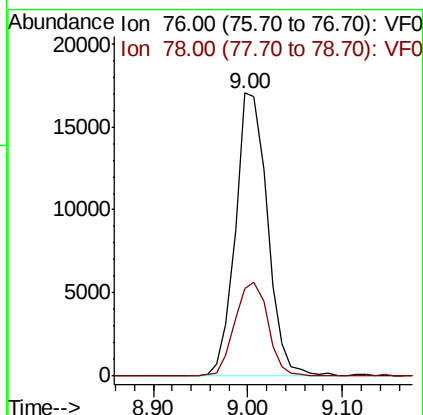
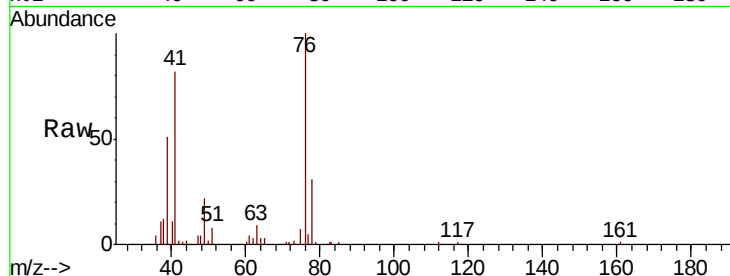
78 31.0 24.7 37.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 110.19 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF059970.D

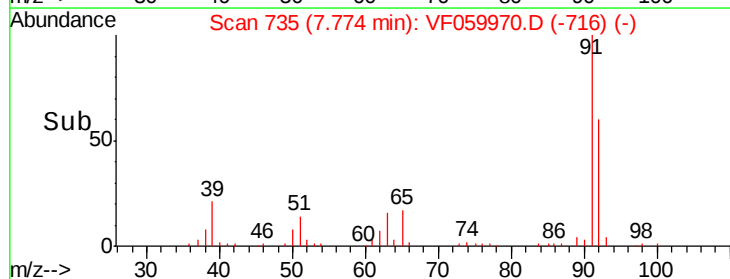
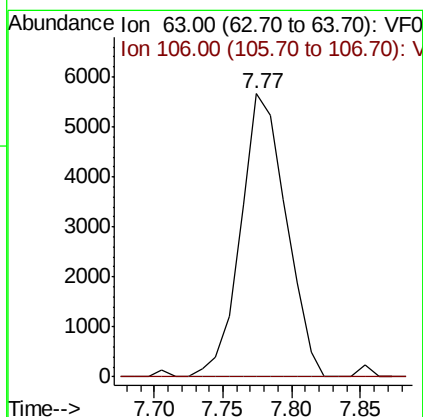
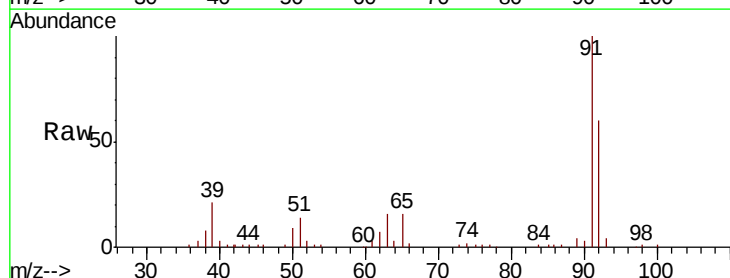
Acq: 16 Aug 2018 20:09

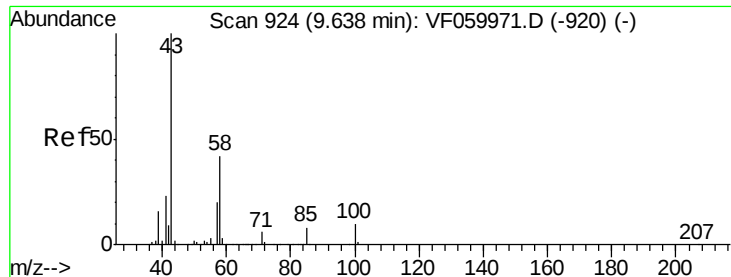
Tgt Ion: 63 Resp: 13027

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





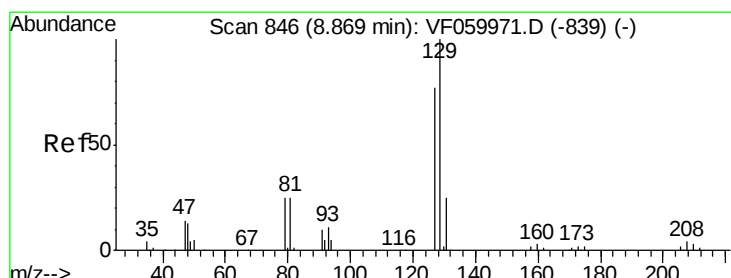
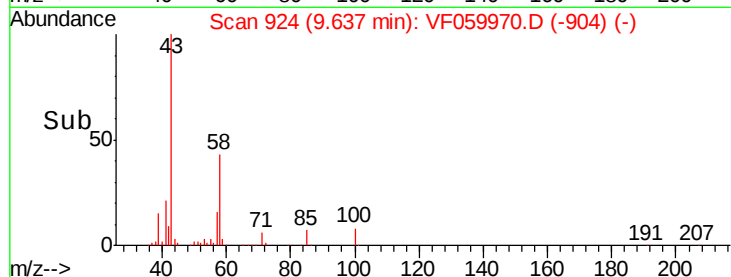
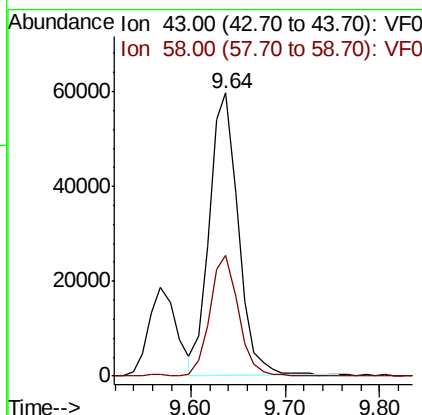
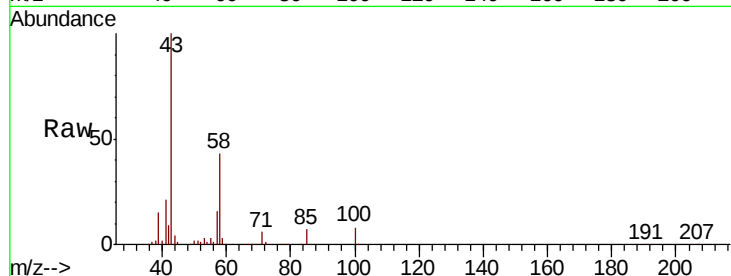
#59
2-Hexanone
Concen: 174.18 ug/l
RT: 9.64 min Scan# 924
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.7	19.8	59.3

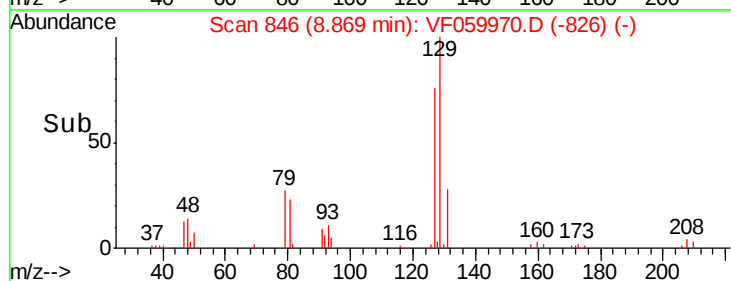
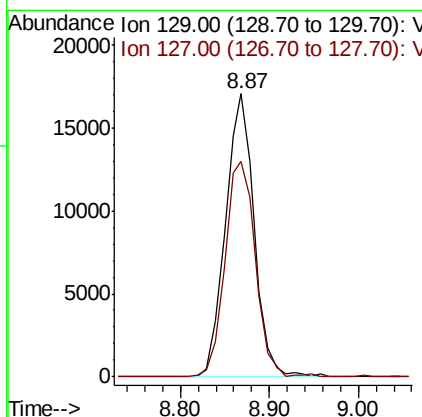
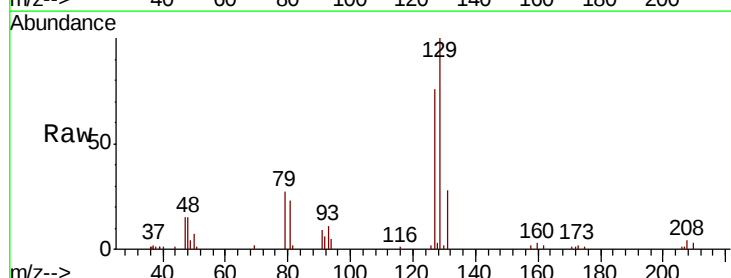
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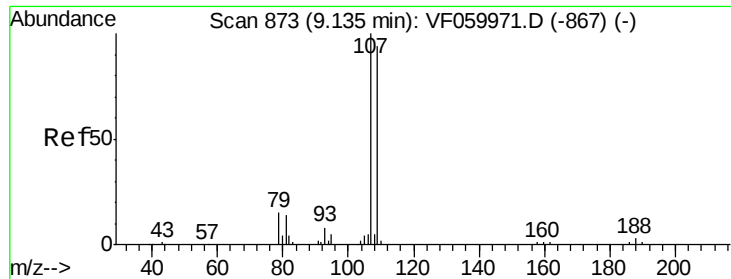
apatel
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#60
Dibromochloromethane
Concen: 22.83 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.4	115.2





#61

1,2-Dibromoethane

Concen: 27.65 ug/l

RT: 9.13 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 30357

Ion Ratio Lower Upper

107 100

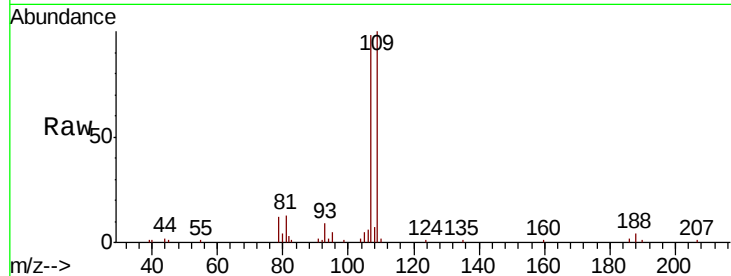
109 102.2 75.4 113.0

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

15000

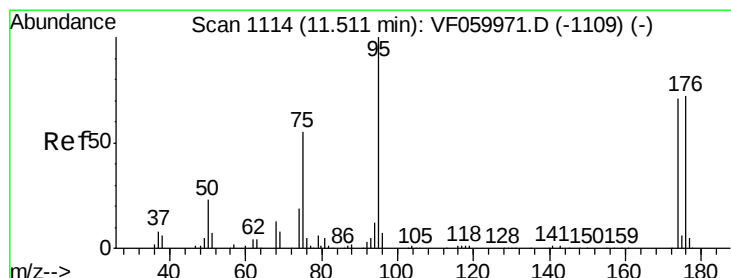
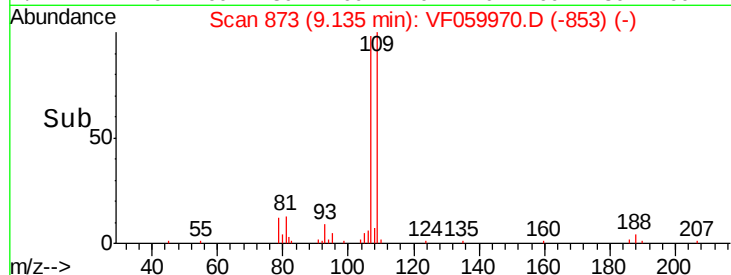
10000

5000

0

9.10 9.13 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 23.36 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

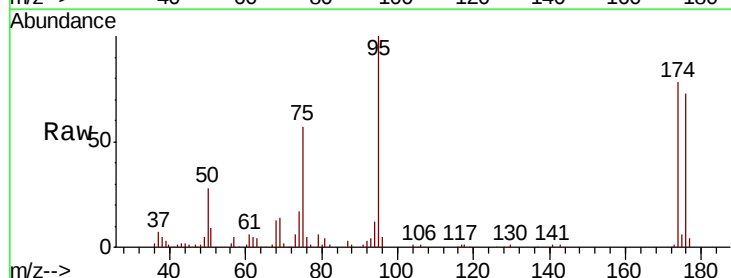
Tgt Ion: 95 Resp: 50319

Ion Ratio Lower Upper

95 100

174 77.6 0.0 142.8

176 73.2 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

40000

30000

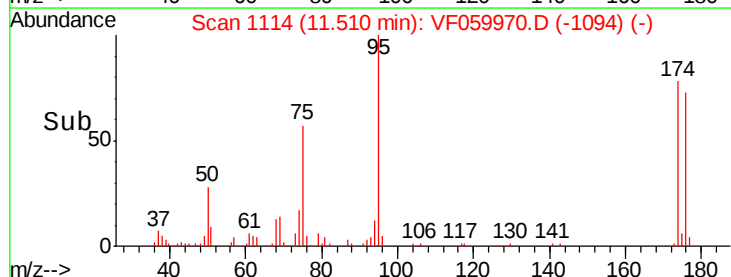
20000

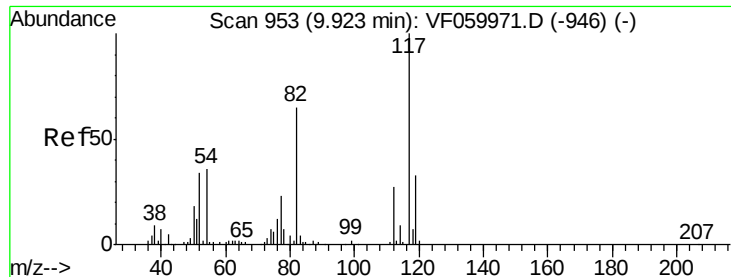
10000

0

11.40 11.51 11.60

Time-->





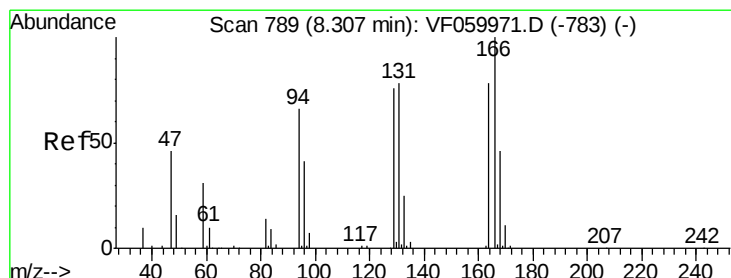
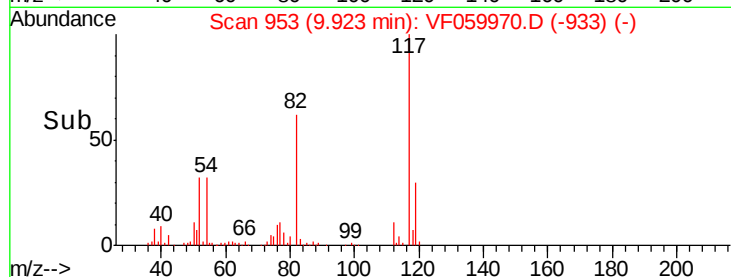
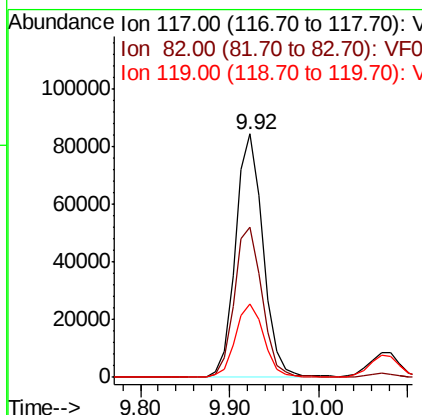
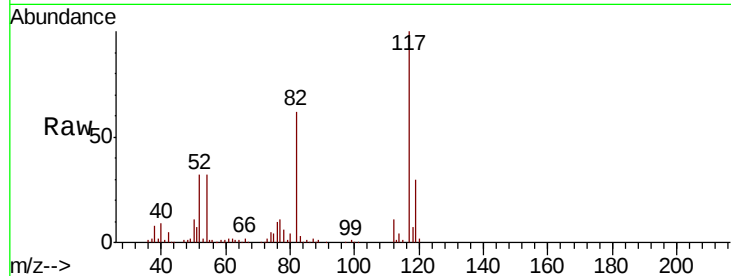
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	52.0	78.0
119	30.4	26.6	39.8

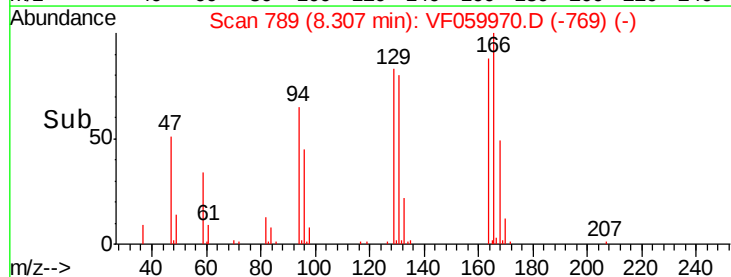
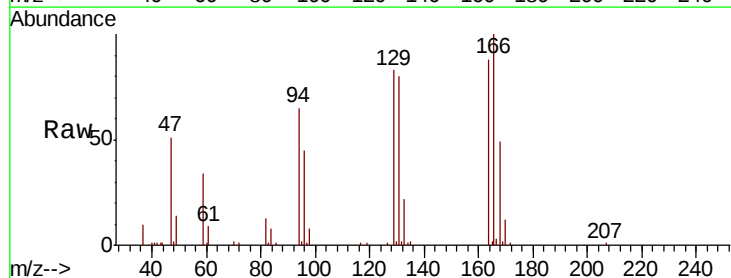
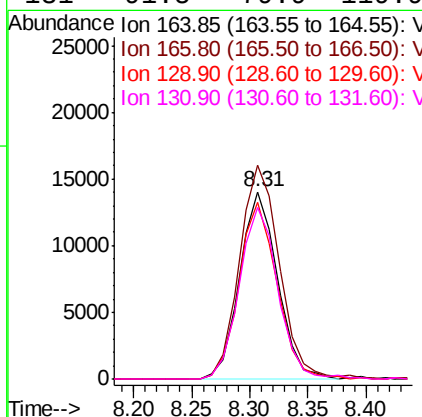
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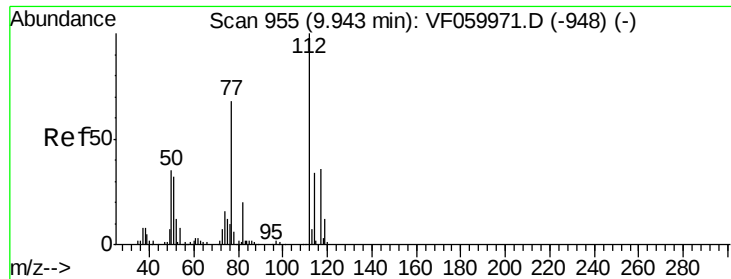
apatel
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#64
Tetrachloroethene
Concen: 22.35 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	114.2	102.2	153.2
129	94.5	77.8	116.6
131	91.5	79.9	119.9





#65

Chlorobenzene

Concen: 20.27 ug/l

RT: 9.94 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 71309

Ion Ratio Lower Upper

112 100

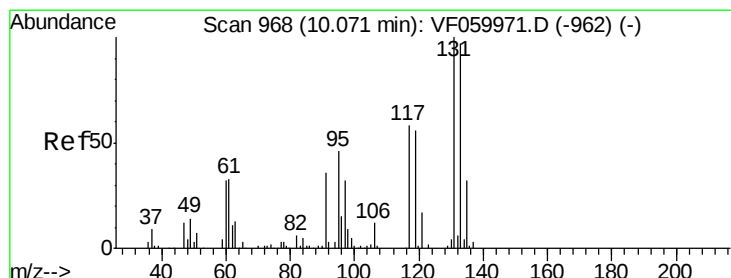
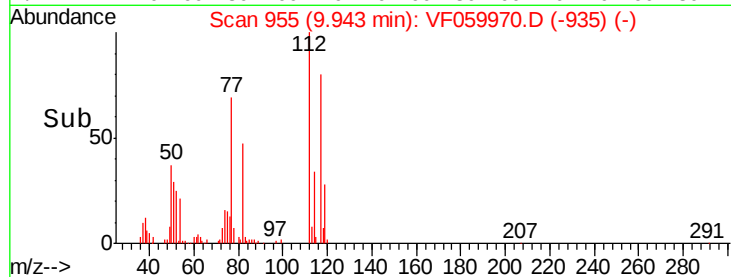
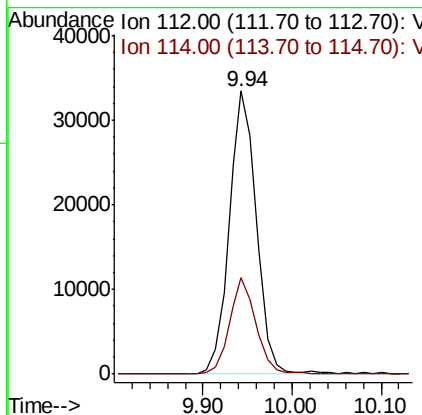
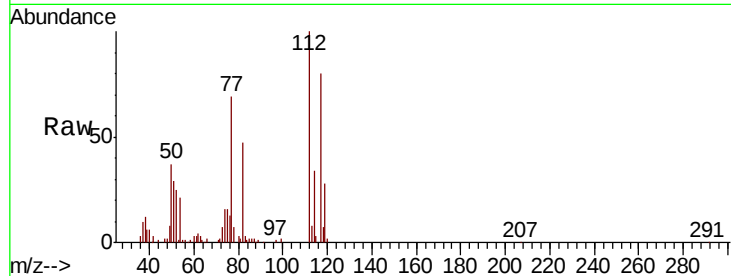
114 34.1 27.0 40.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.17 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

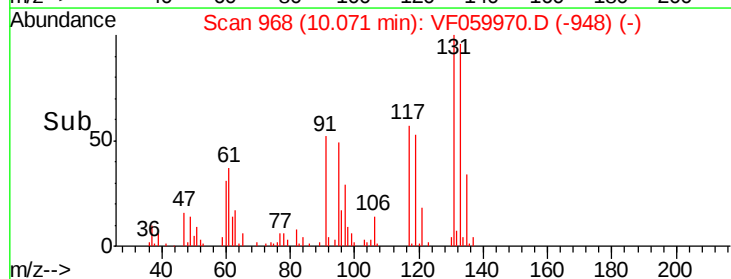
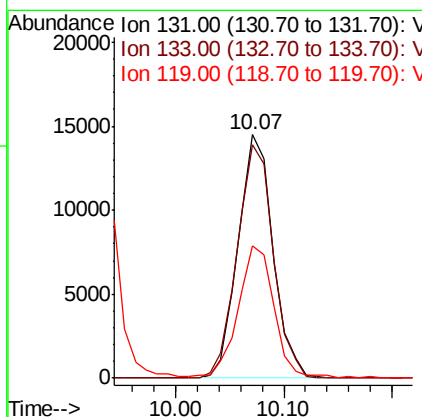
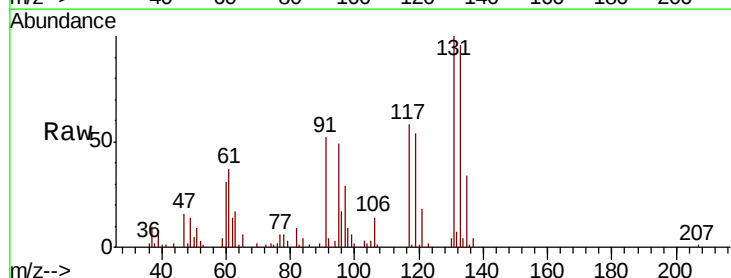
Tgt Ion:131 Resp: 32534

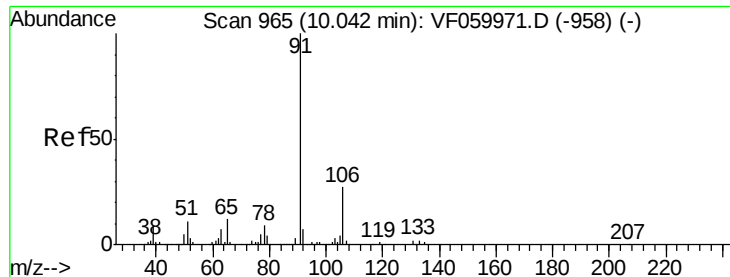
Ion Ratio Lower Upper

131 100

133 96.0 48.5 145.6

119 54.2 28.4 85.2





#67

Ethyl Benzene

Concen: 20.58 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 128228

Ion Ratio Lower Upper

91 100

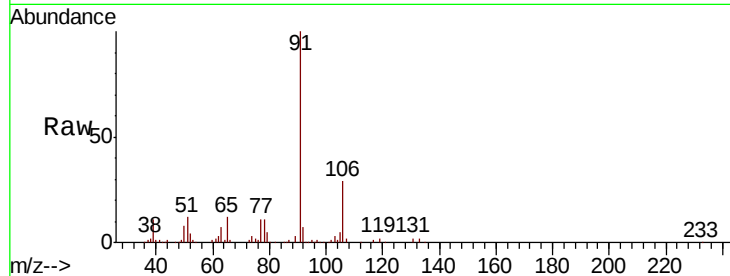
106 28.6 21.8 32.8

Manual Integrations

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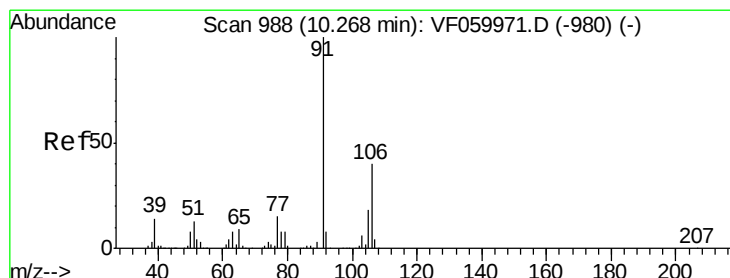
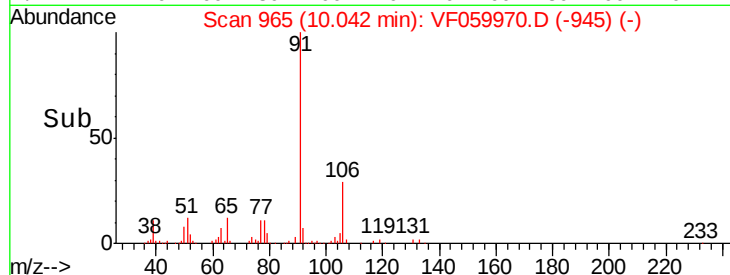
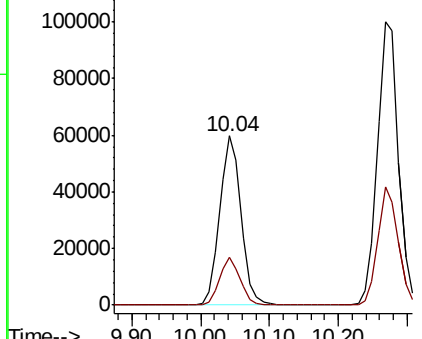
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.09 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF059970.D

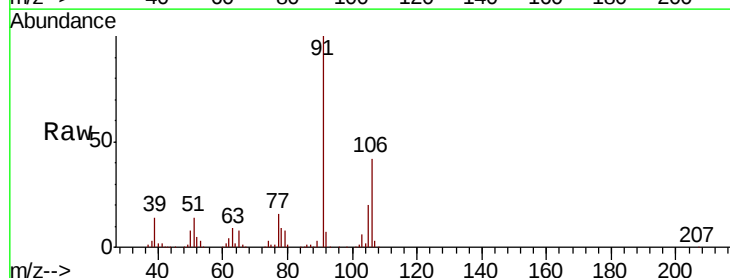
Acq: 16 Aug 2018 20:09

Tgt Ion:106 Resp: 88376

Ion Ratio Lower Upper

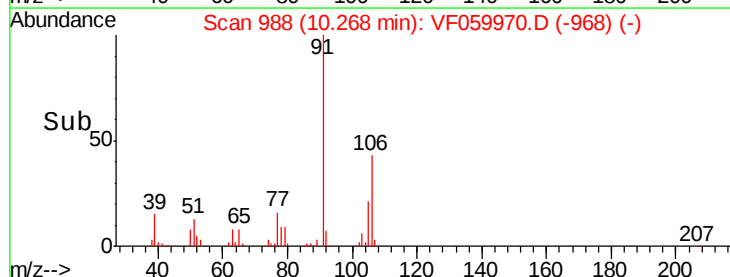
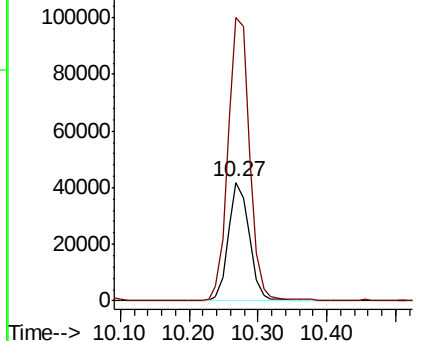
106 100

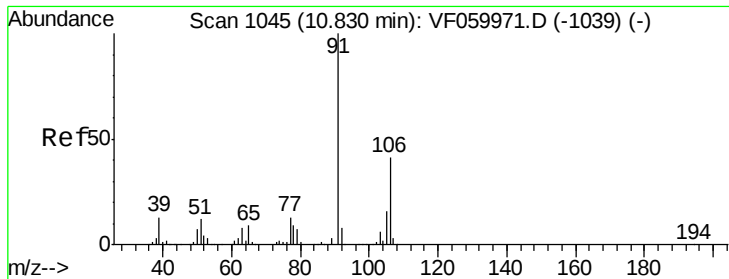
91 239.0 198.0 297.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





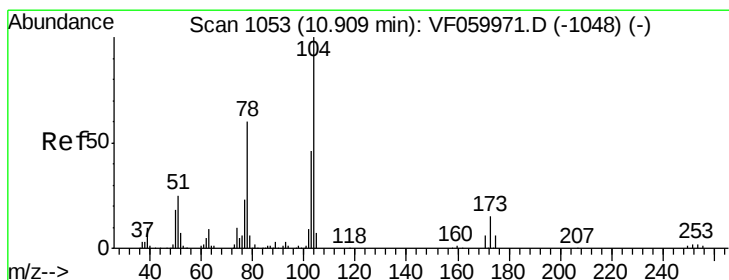
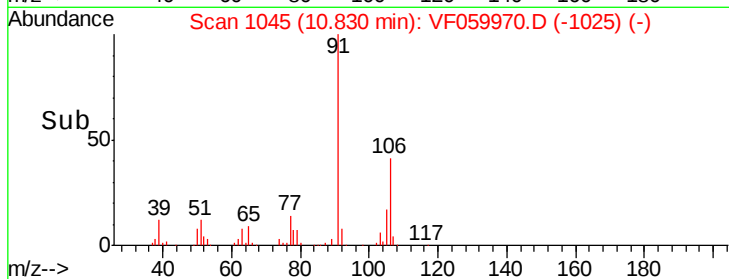
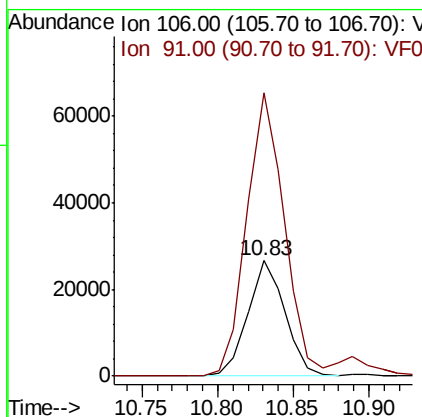
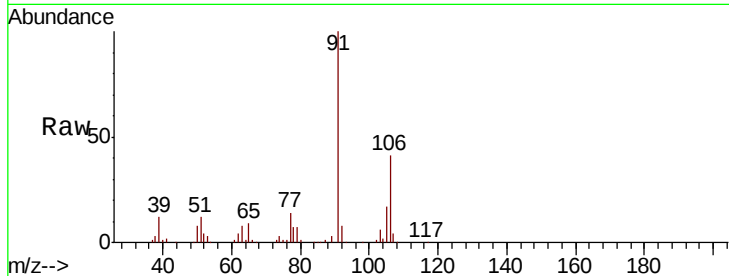
#69
o-Xylene
Concen: 20.15 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	244.9	121.9	365.7

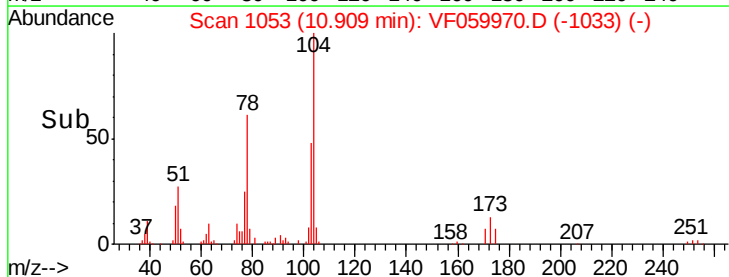
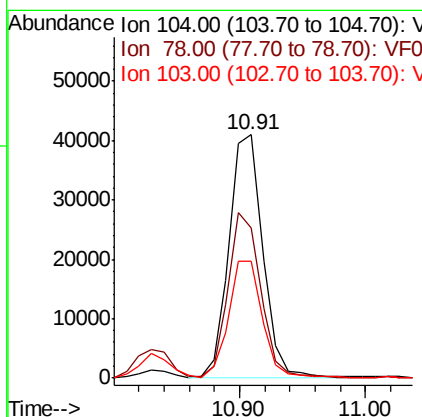
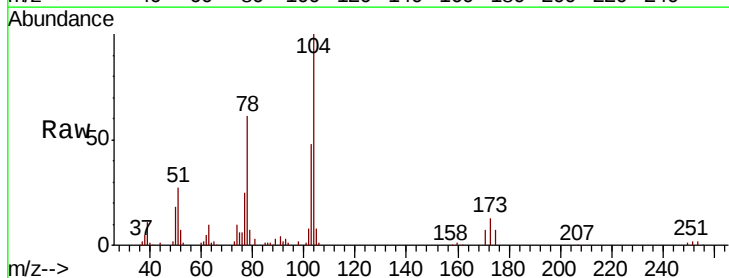
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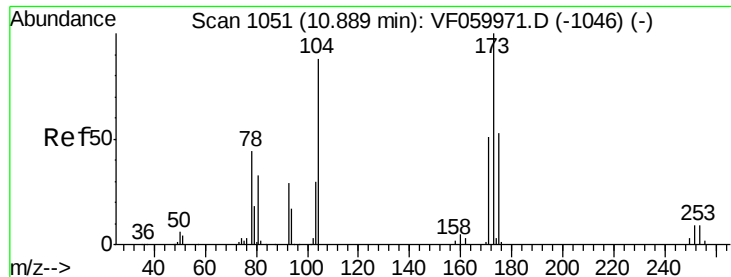
apatel
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#70
Styrene
Concen: 22.05 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	61.5	49.0	73.4
103	48.0	37.5	56.3





#71

Bromoform

Concen: 25.91 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 29021

Ion Ratio Lower Upper

173 100

175 49.4 26.3 78.8

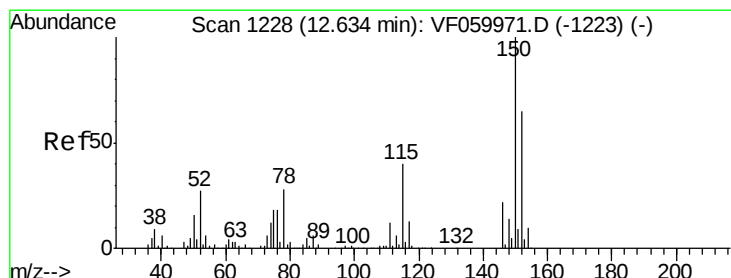
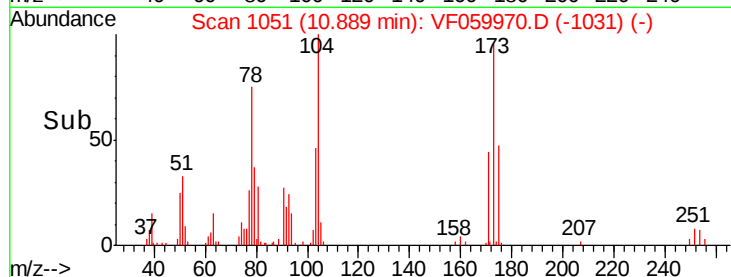
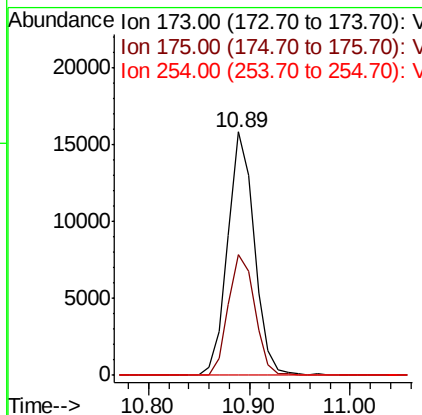
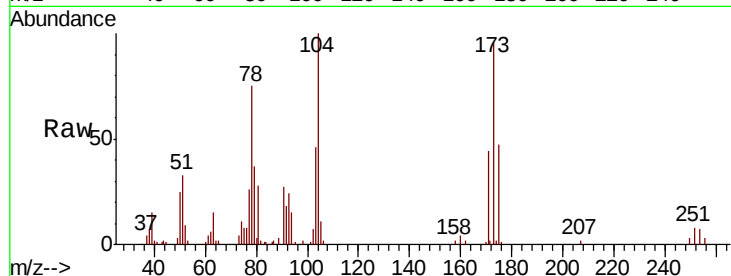
254 0.0 0.0 0.0

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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: VF059970.D

Acq: 16 Aug 2018 20:09

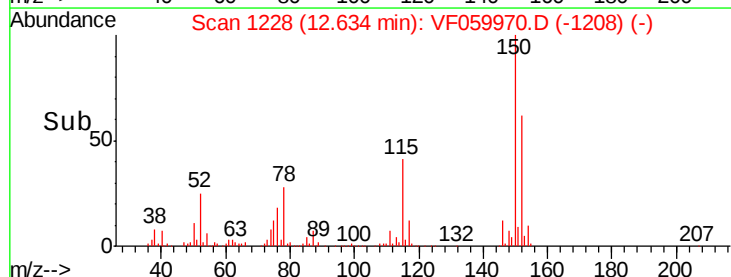
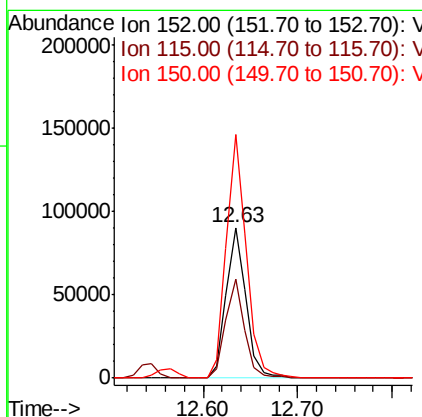
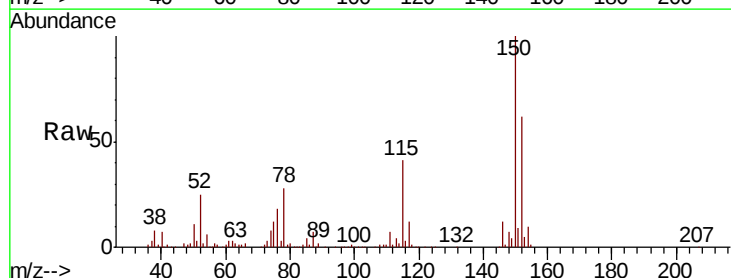
Tgt Ion:152 Resp: 130748

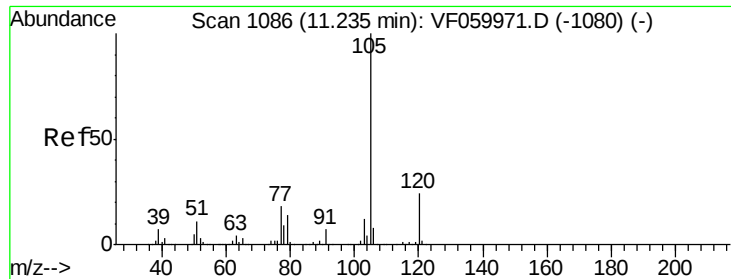
Ion Ratio Lower Upper

152 100

115 65.9 30.6 92.0

150 162.1 0.0 308.2





#73

Isopropylbenzene

Concen: 18.45 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 149142

Ion Ratio Lower Upper

105 100

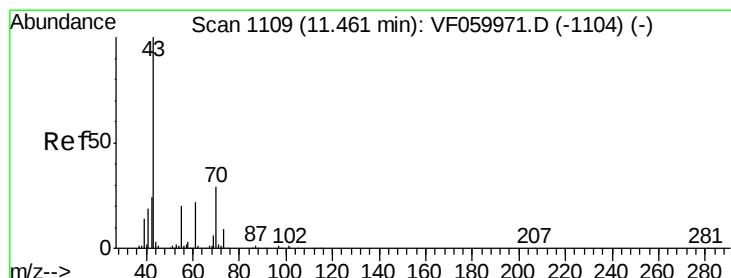
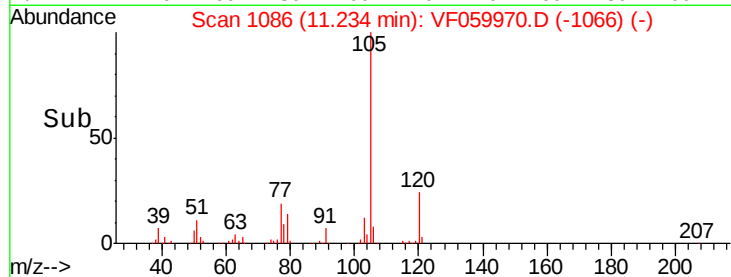
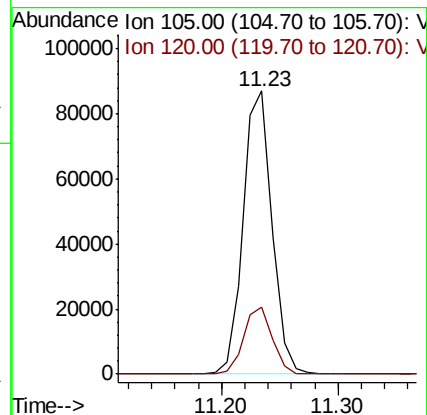
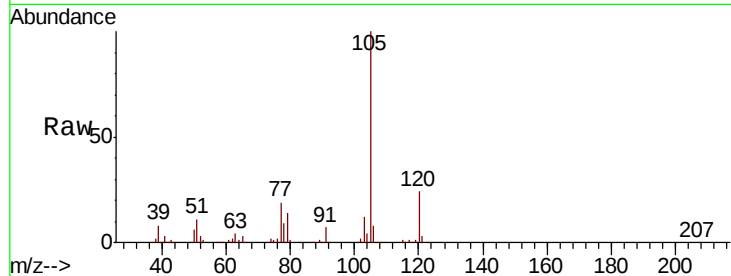
120 23.8 11.9 35.5

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#74

N-ethyl acetate

Concen: 25.93 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Tgt Ion: 43 Resp: 50806

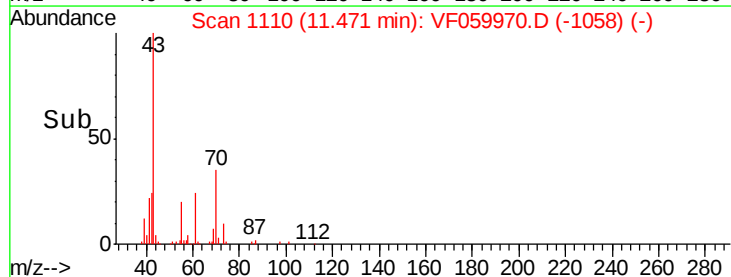
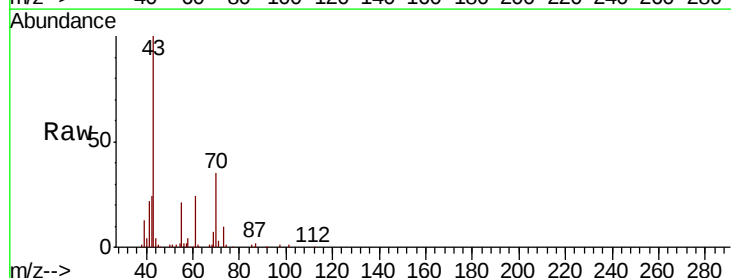
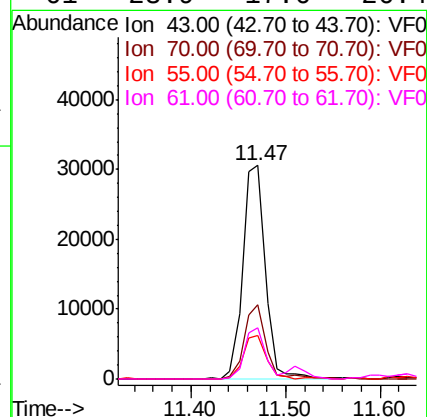
Ion Ratio Lower Upper

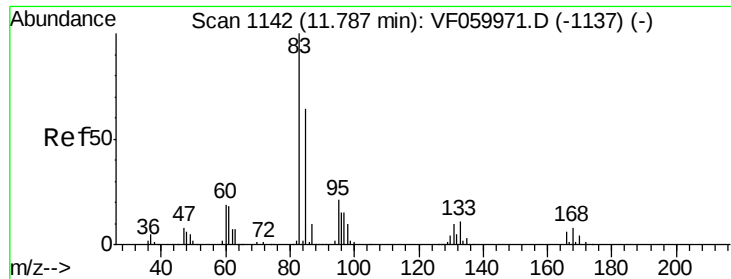
43 100

70 34.8 23.2 34.8#

55 20.6 15.8 23.8

61 23.9 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 24.44 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

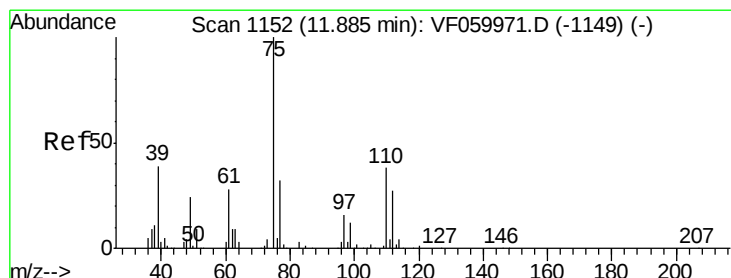
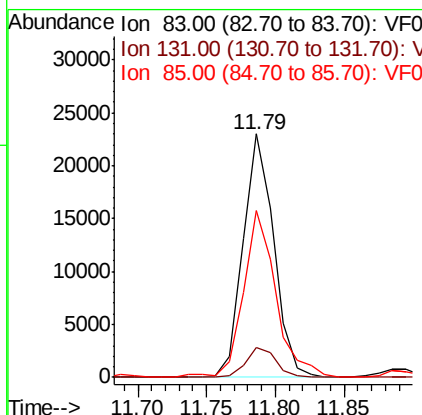
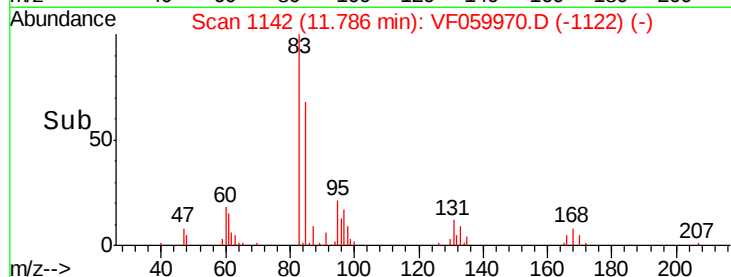
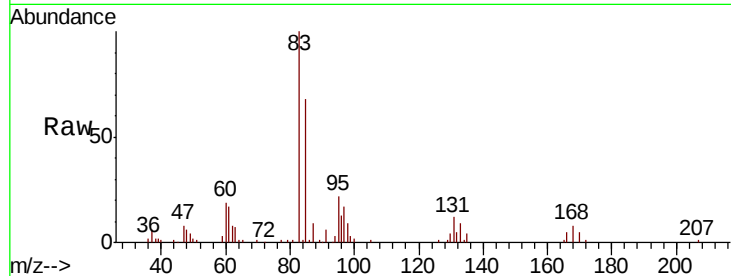
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	35767
Ion Ratio	Lower	Upper	
83	100		
131	12.5	5.1	15.4
85	68.3	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 28.09 ug/l

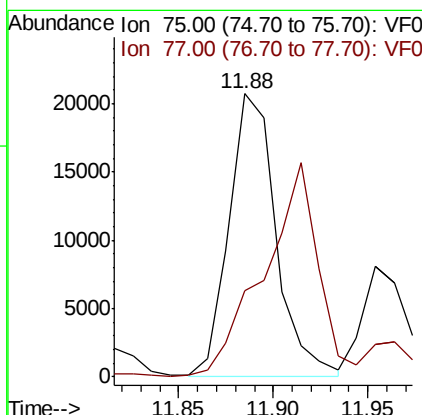
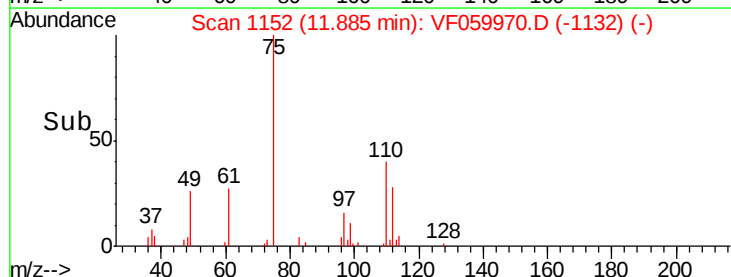
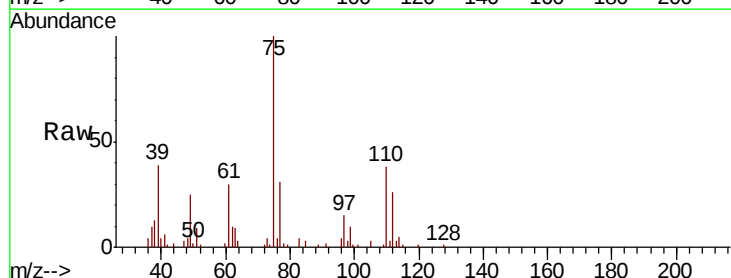
RT: 11.88 min Scan# 1152

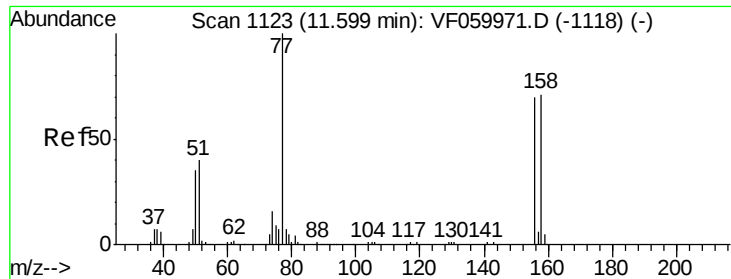
Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Tgt Ion:	75	Resp:	35649
Ion Ratio	Lower	Upper	
75	100		
77	30.5	16.2	48.5





#77

Bromobenzene

Concen: 20.30 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 43835

Ion Ratio Lower Upper

156 100

77 143.2 71.9 215.6

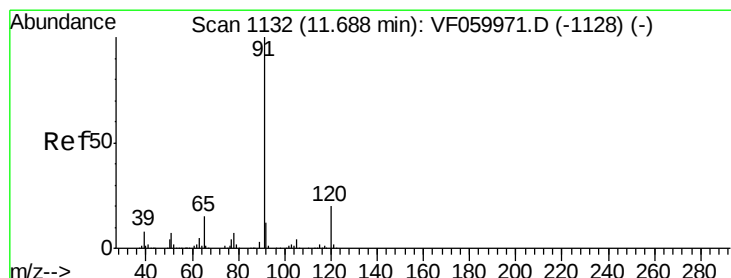
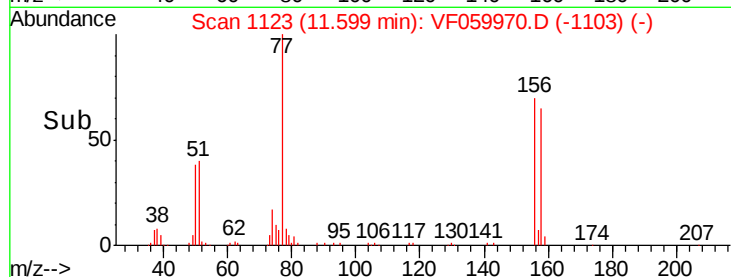
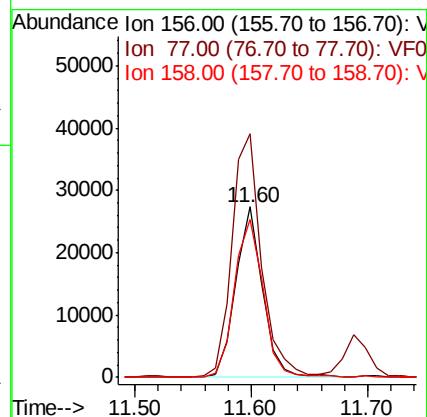
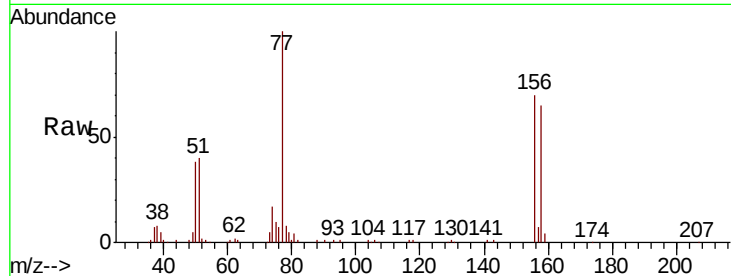
158 92.5 51.2 153.6

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#78

n-propylbenzene

Concen: 19.68 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059970.D

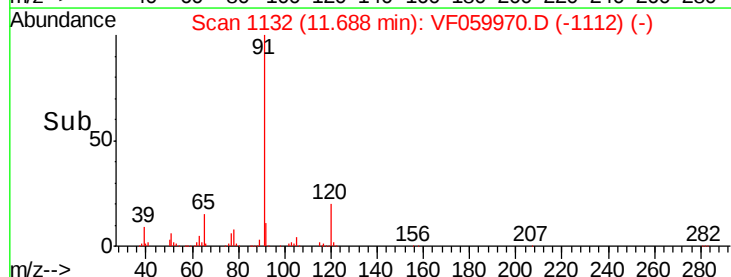
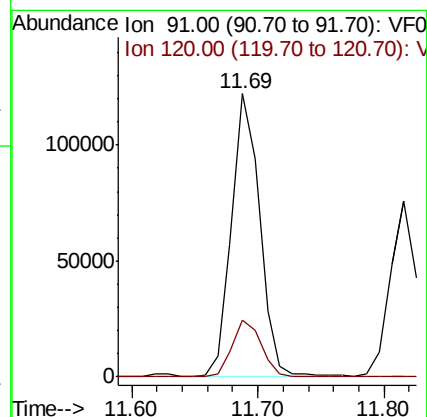
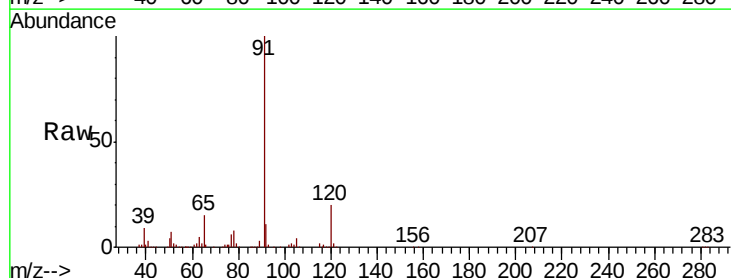
Acq: 16 Aug 2018 20:09

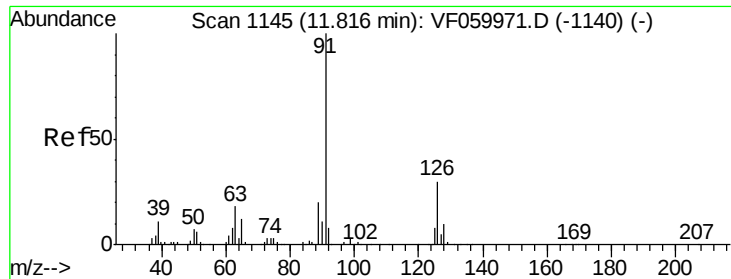
Tgt Ion: 91 Resp: 187493

Ion Ratio Lower Upper

91 100

120 19.9 10.2 30.6





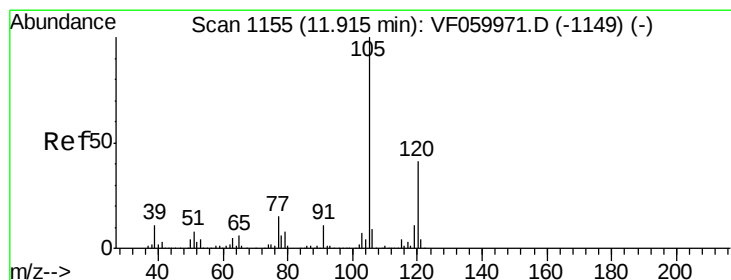
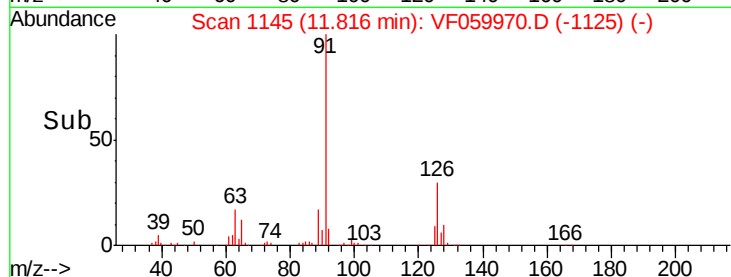
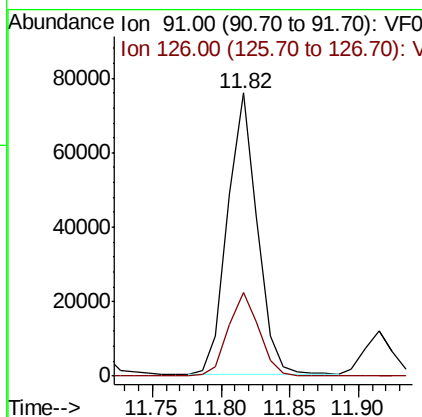
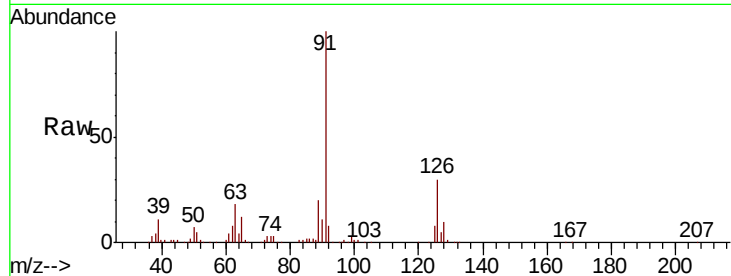
#79
 2-Chlorotoluene
 Concen: 18.94 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	113426		
126	29.6	14.9	44.9	

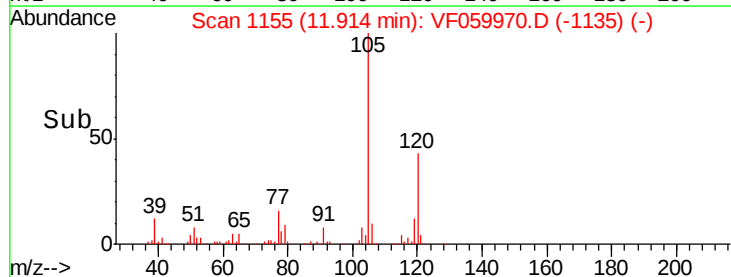
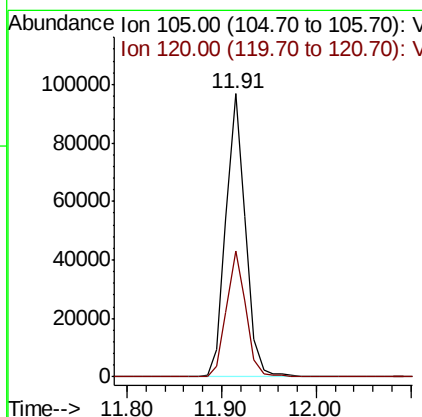
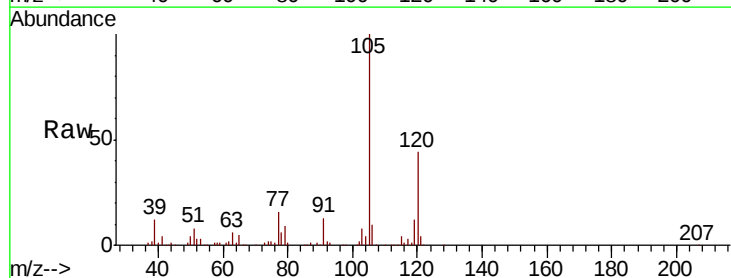
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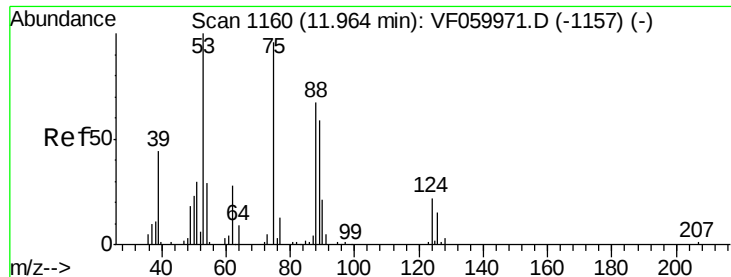
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.42 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	138787		
120	44.3	20.6	61.8	





#81

trans-1,4-Dichloro-2-butene

Concen: 23.15 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

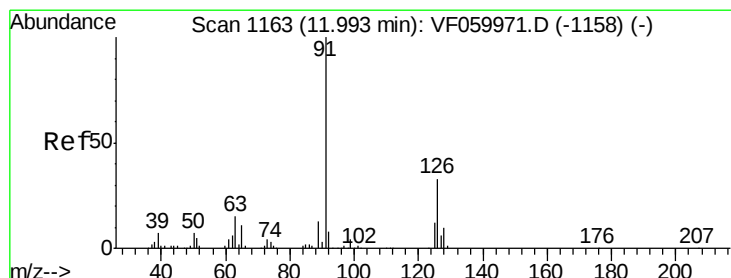
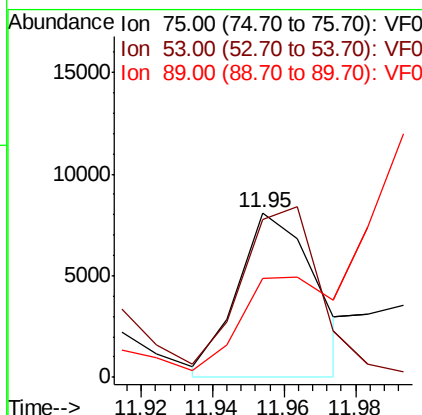
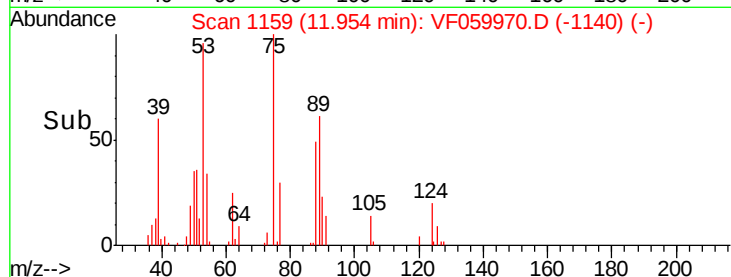
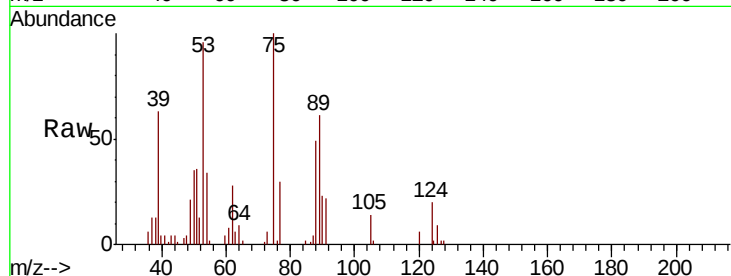
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	12292
Ion	Ratio	Lower	Upper
75	100		
53	95.7	85.1	127.7
89	60.6	50.2	75.4

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#82

4-Chlorotoluene

Concen: 20.09 ug/l

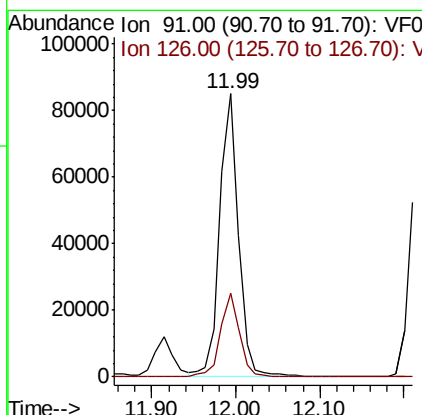
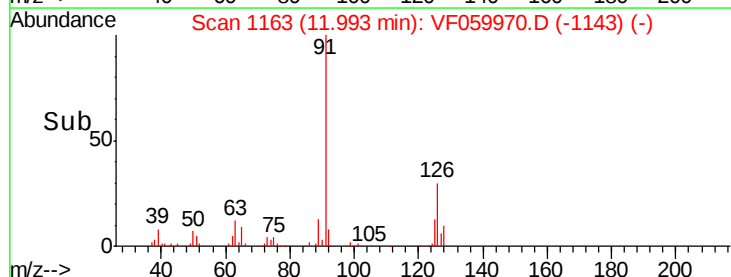
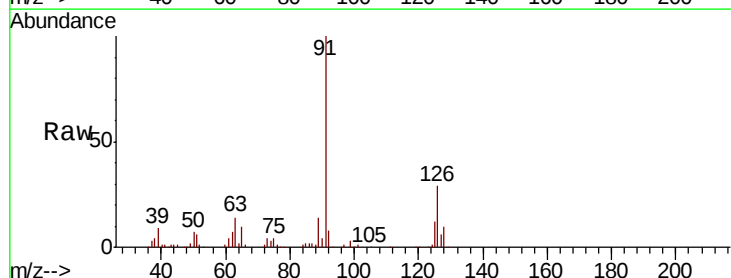
RT: 11.99 min Scan# 1163

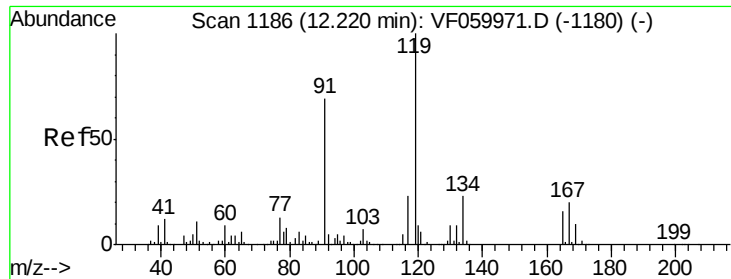
Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Tgt Ion:	91	Resp:	133181
Ion	Ratio	Lower	Upper
91	100		
126	29.4	16.4	49.2





#83

tert-Butylbenzene

Concen: 19.19 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

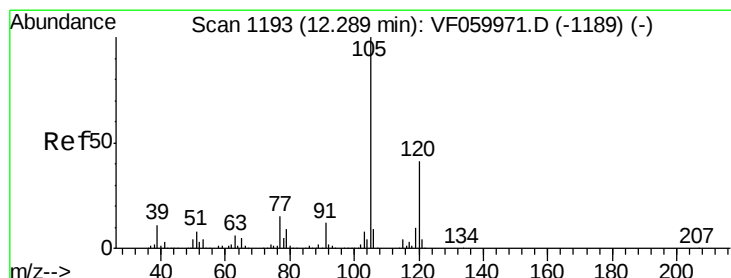
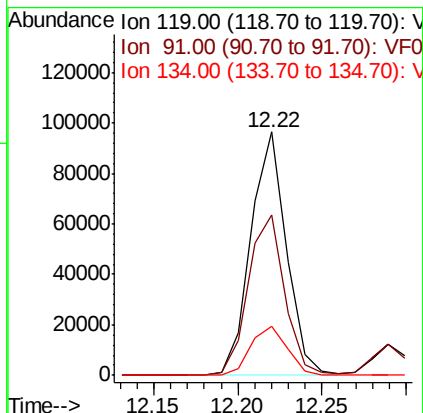
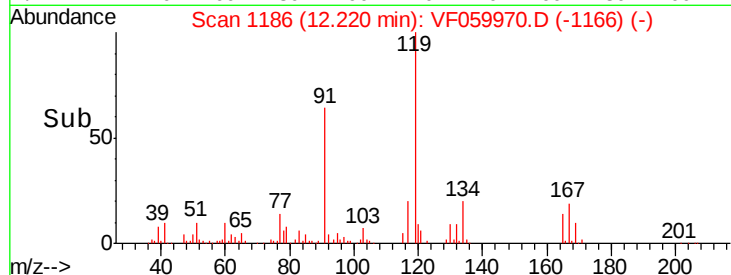
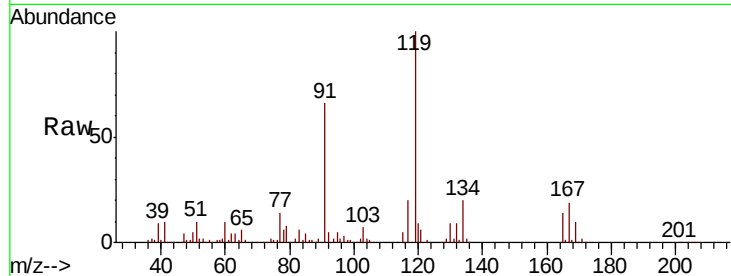
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	141549
Ion Ratio	Lower	Upper	
119	100		
91	66.1	34.8	104.3
134	20.0	11.5	34.4

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#84

1,2,4-Trimethylbenzene

Concen: 19.87 ug/l

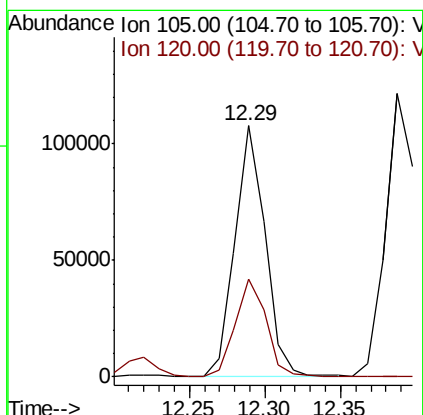
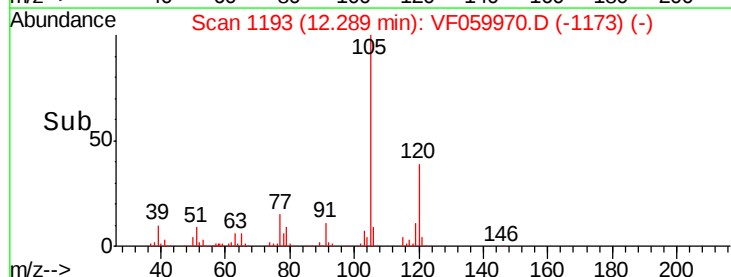
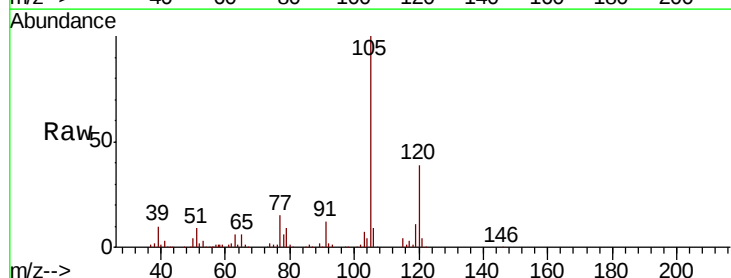
RT: 12.29 min Scan# 1193

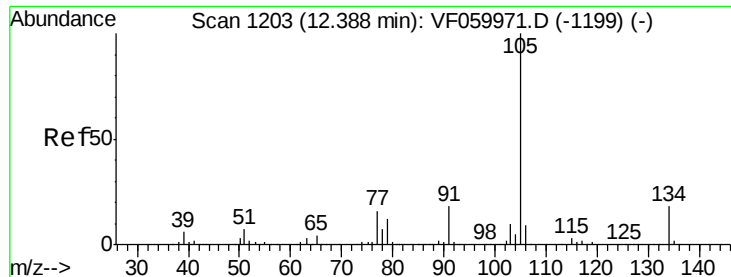
Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Tgt Ion:	105	Resp:	150520
Ion Ratio	Lower	Upper	
105	100		
120	39.1	20.6	61.8





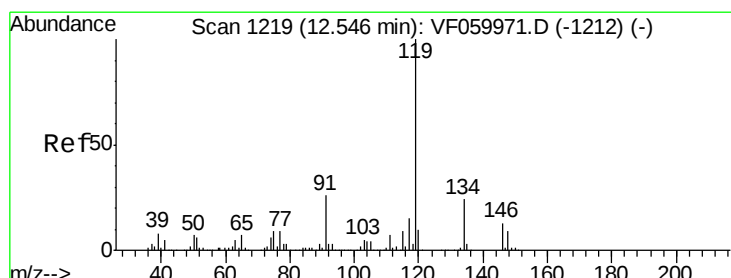
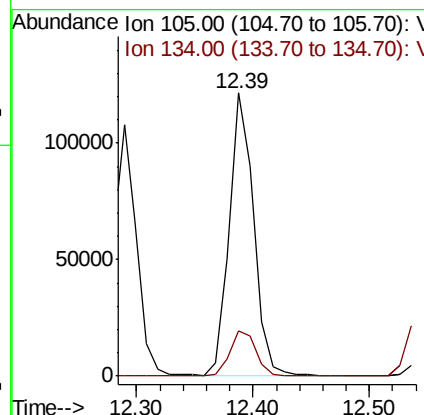
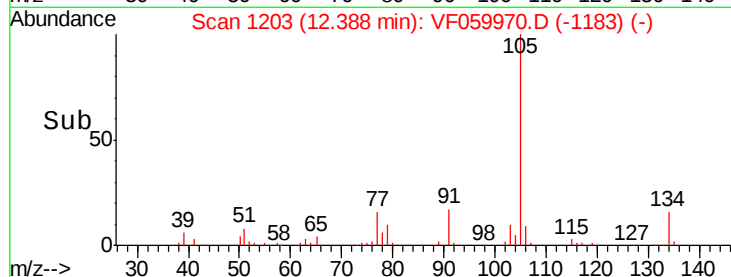
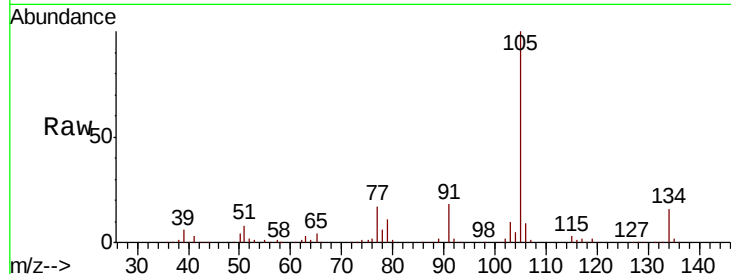
#85
 sec-Butylbenzene
 Concen: 18.86 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	176953		
134	16.1	8.9	26.7	

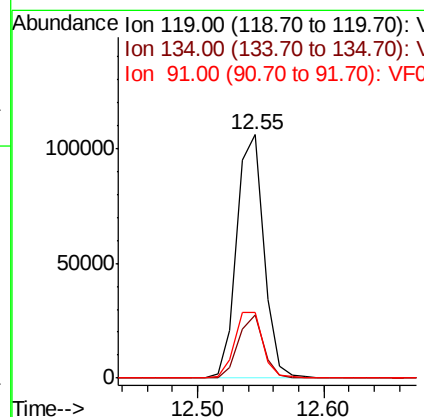
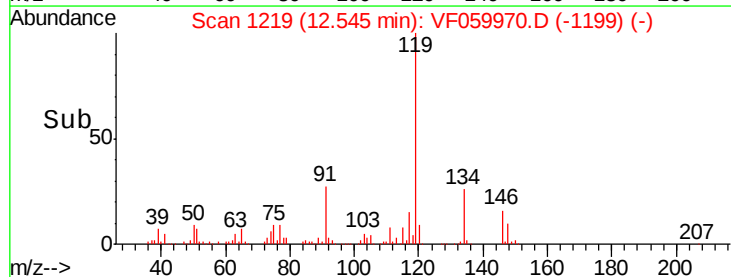
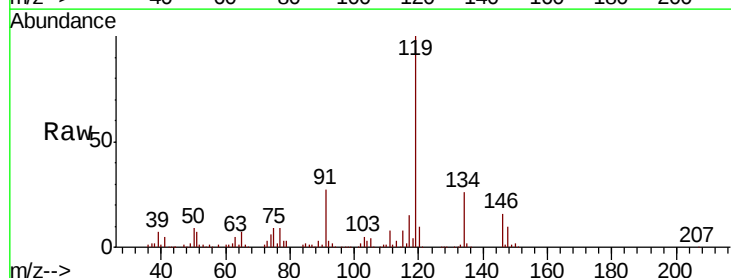
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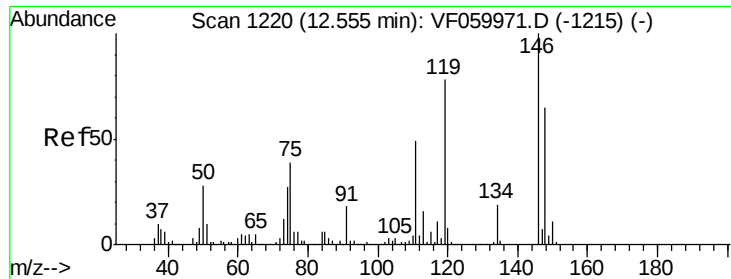
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#86
 p-Isopropyltoluene
 Concen: 18.92 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	156954		
134	25.9	12.0	36.1	
91	26.7	13.1	39.1	





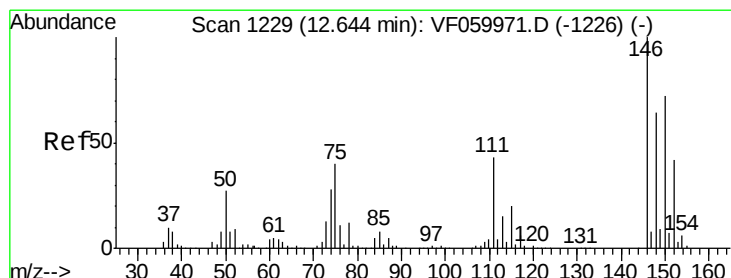
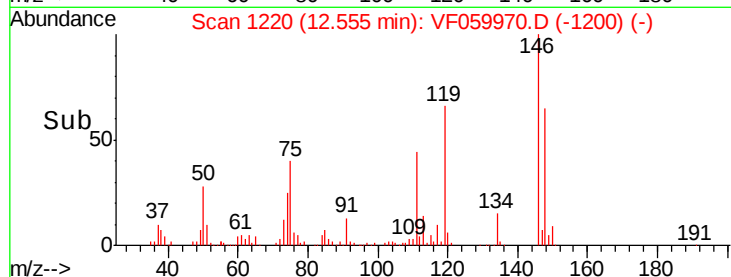
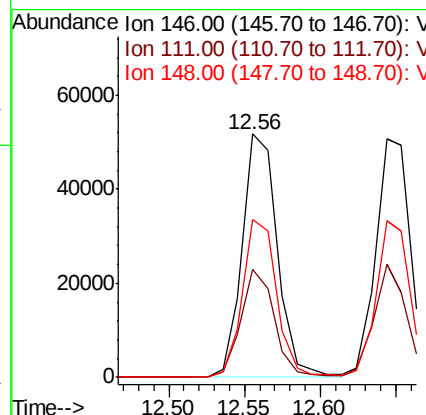
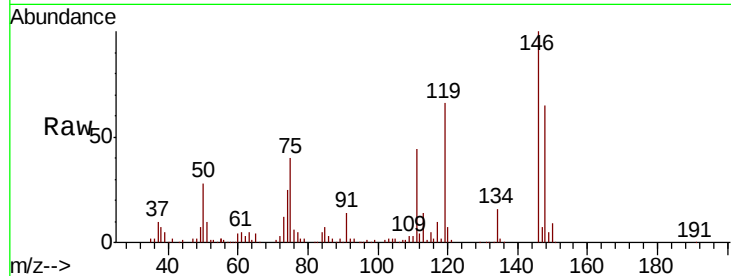
#87
 1,3-Dichlorobenzene
 Concen: 20.53 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	24.4	73.2
148	64.9	32.3	96.8

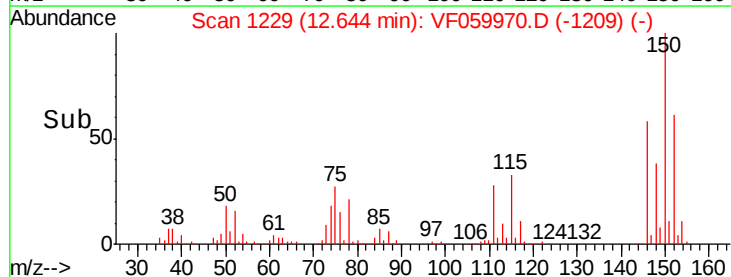
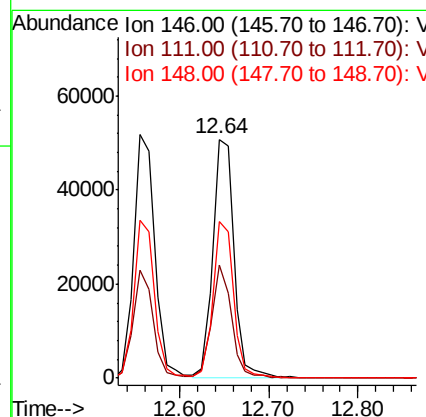
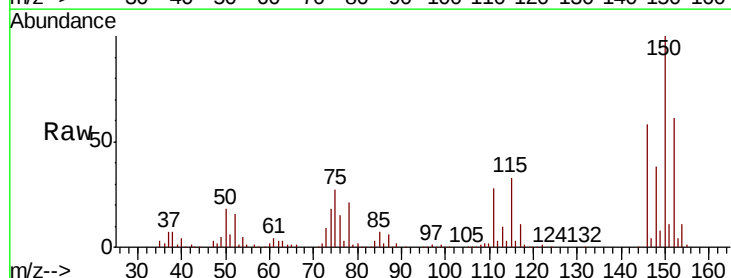
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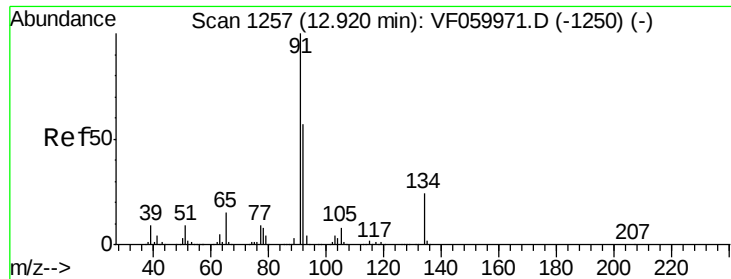
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#88
 1,4-Dichlorobenzene
 Concen: 21.05 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.3	21.4	64.2
148	65.4	31.9	95.7





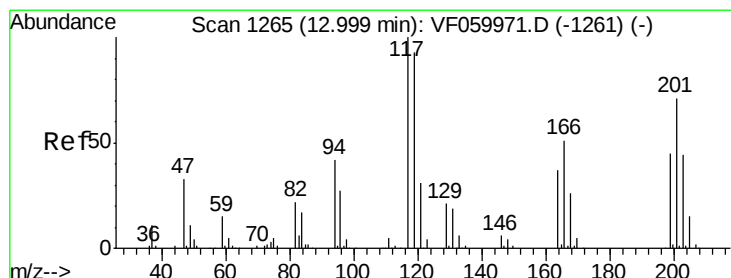
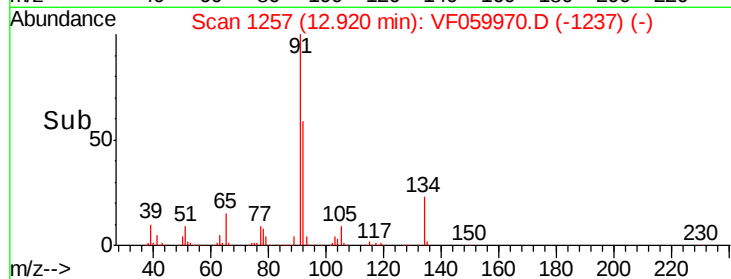
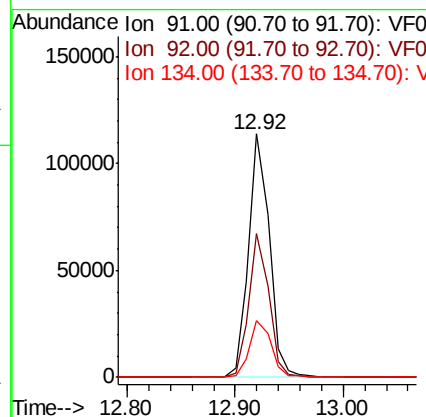
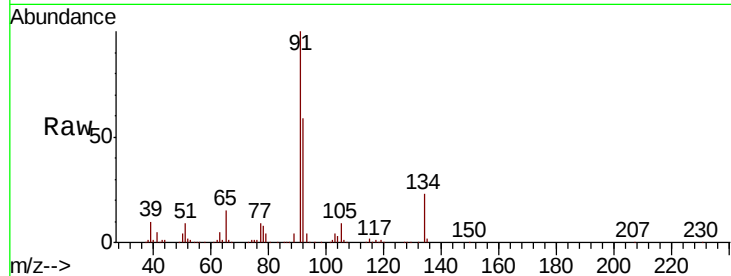
#89
n-Butylbenzene
Concen: 19.08 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	153184		
92	59.2	28.3	85.0	
134	23.5	11.9	35.7	

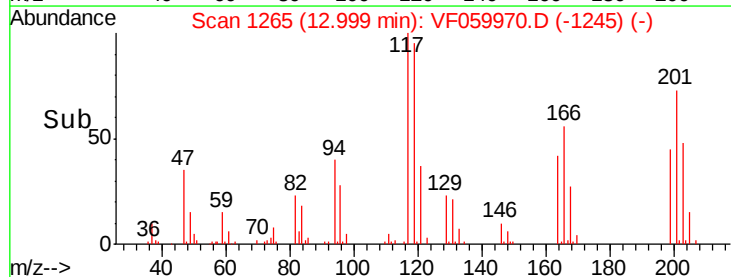
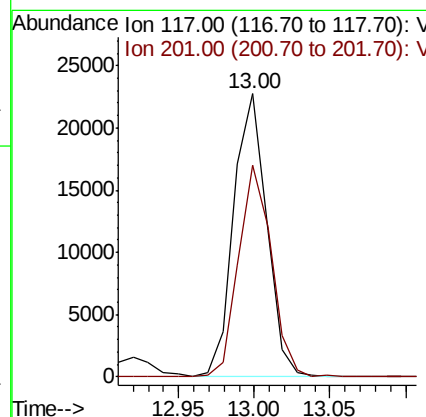
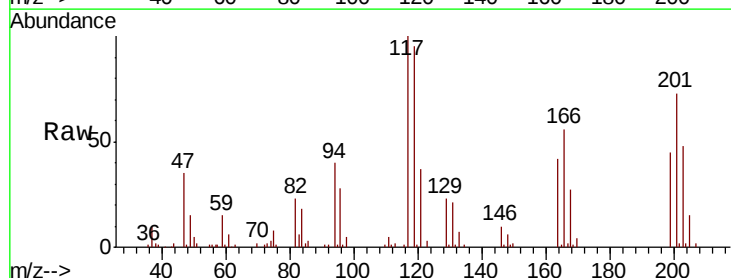
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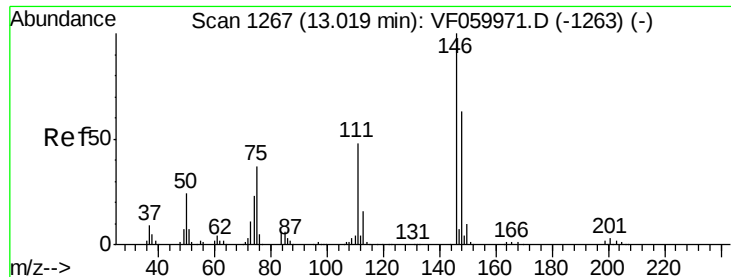
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#90
Hexachloroethane
Concen: 16.90 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34392		
201	74.6	35.3	105.7	





#91

1,2-Dichlorobenzene

Concen: 21.03 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Instrument :

MSVOA_F

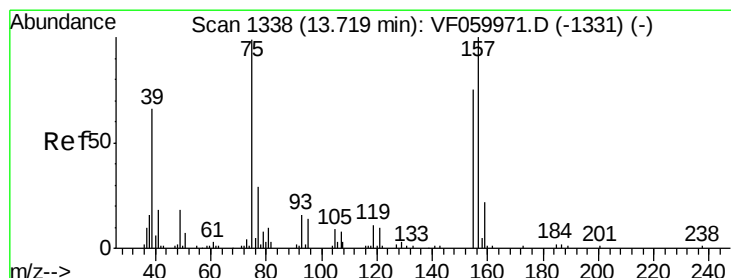
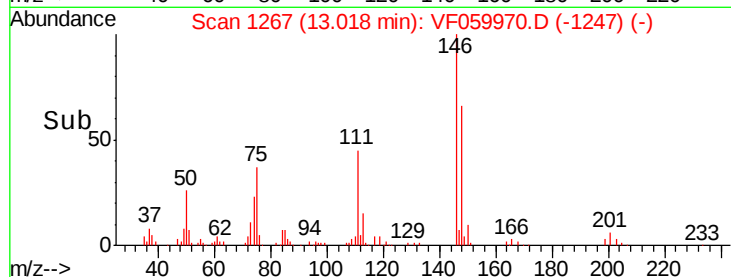
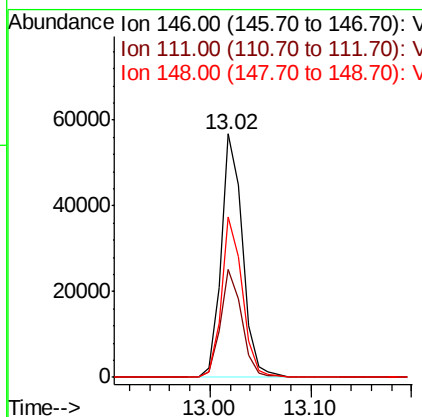
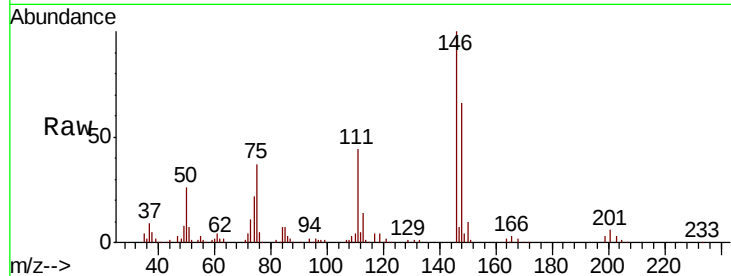
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	83970
Ion Ratio	Lower	Upper	
146	100		
111	44.4	23.9	71.8
148	66.0	31.4	94.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 26.34 ug/l

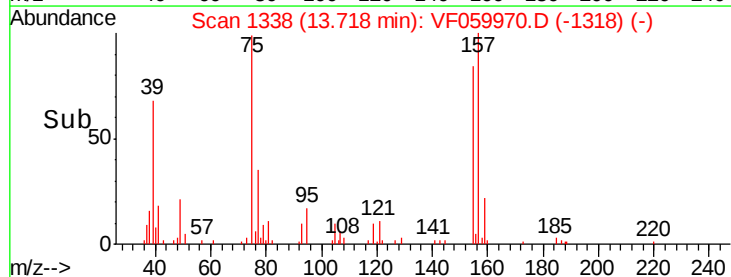
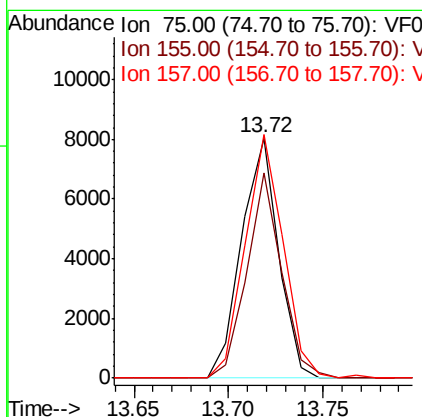
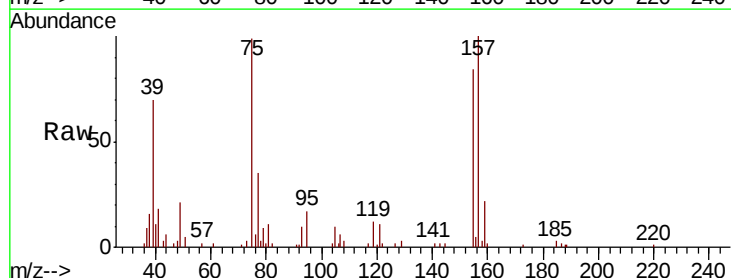
RT: 13.72 min Scan# 1338

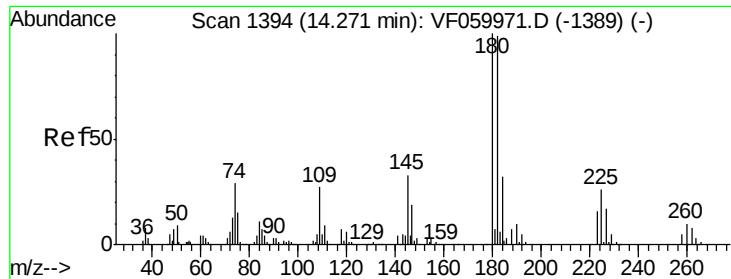
Delta R.T. -0.00 min

Lab File: VF059970.D

Acq: 16 Aug 2018 20:09

Tgt Ion:	75	Resp:	10872
Ion Ratio	Lower	Upper	
75	100		
155	85.4	38.0	114.0
157	101.3	50.6	151.8





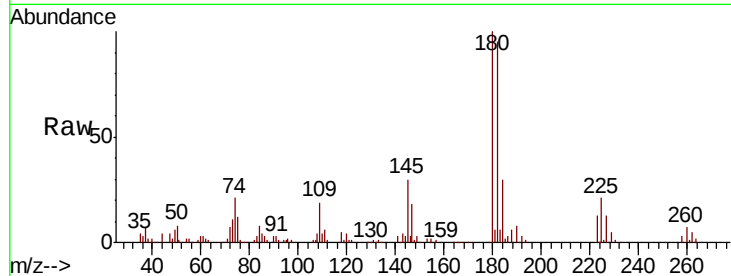
#93
 1,2,4-Trichlorobenzene
 Concen: 26.39 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	49.7	149.1	
145	29.6	16.4	49.4	

Manual Integrations
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 8/17/2018 11:24:18 AM

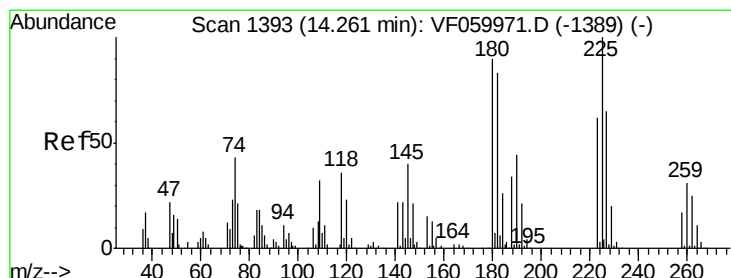
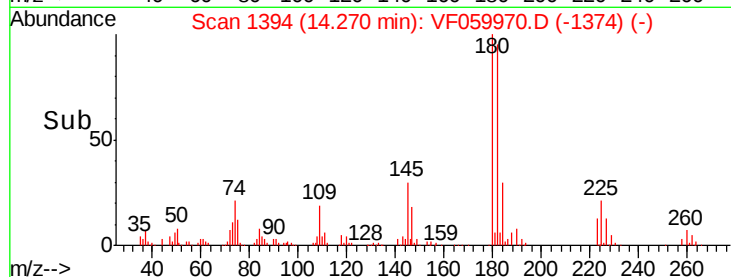
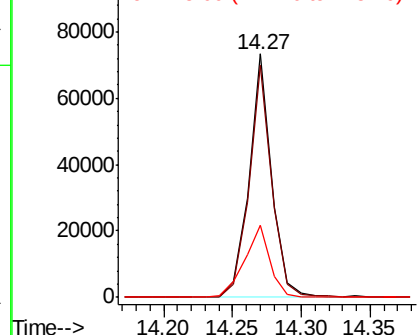


Abundance

Ion 180.00 (179.70 to 180.70): V

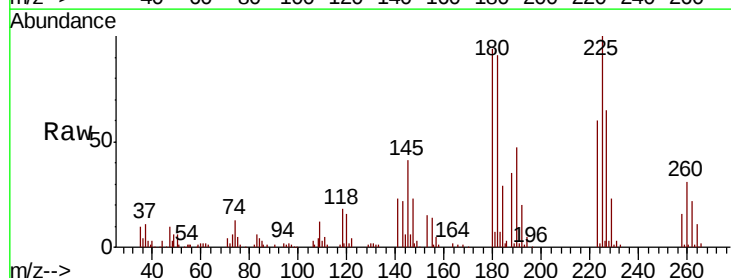
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 19.00 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059970.D
 Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.9	31.0	93.0	
227	65.0	32.4	97.2	

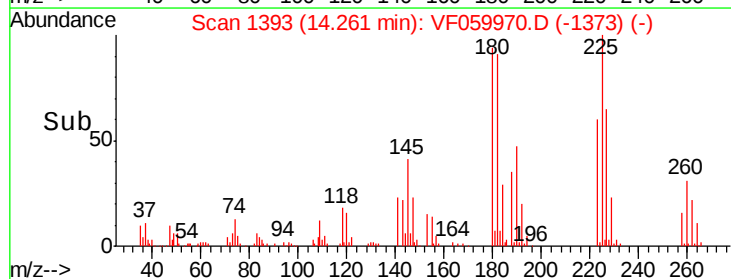
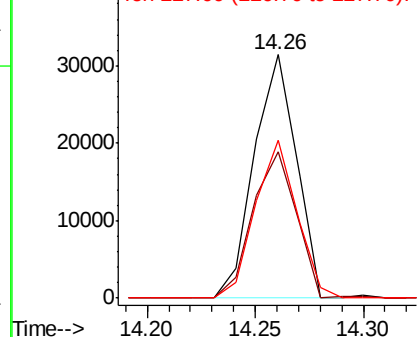


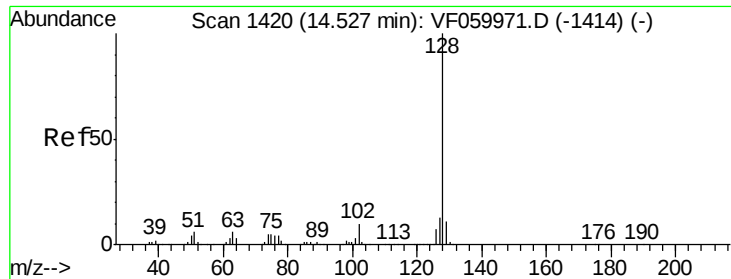
Abundance

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





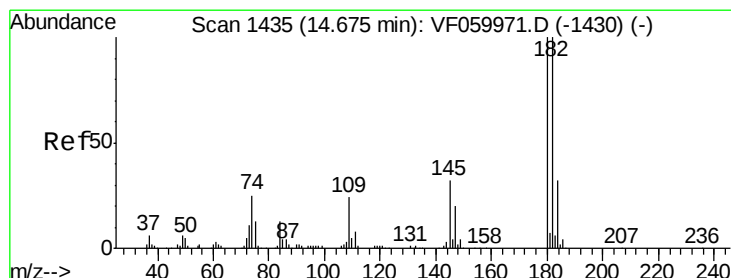
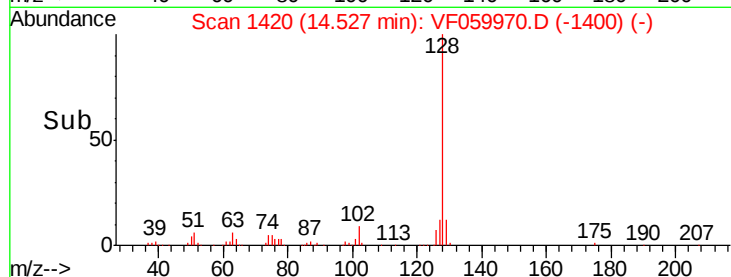
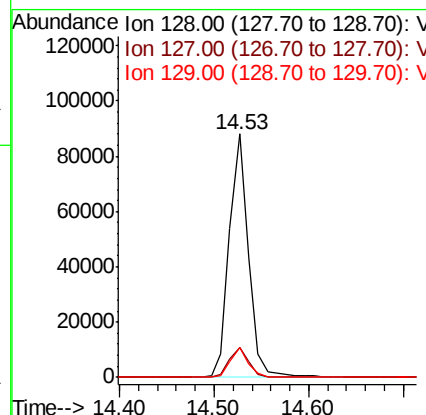
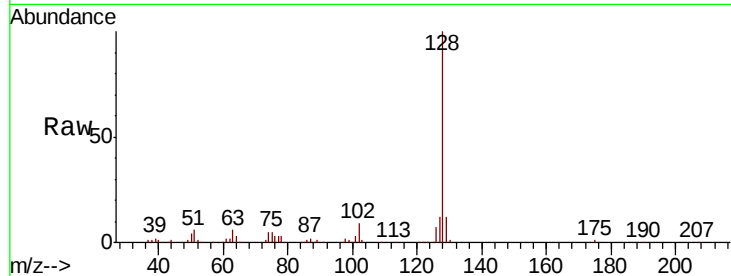
#95
Naphthalene
Concen: 23.22 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	12.0	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.43 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059970.D
Acq: 16 Aug 2018 20:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.5	49.9	149.7
145	36.8	16.2	48.5

