

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081618\
 Data File : VF059973.D
 Acq On : 16 Aug 2018 21:31
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/17/2018 11:24:28 AM

Quant Time: Aug 17 05:02:16 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	121906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	177656	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	191856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	127794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	261888	117.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	235.82%	
35) Dibromofluoromethane	4.30	113	177952	98.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.14%	
50) Toluene-d8	7.71	98	407262	103.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.34%	
62) 4-Bromofluorobenzene	11.52	95	241538	108.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	194665	105.74	ug/l	100
3) Chloromethane	1.08	50	86495	110.16	ug/l	99
4) Vinyl Chloride	1.12	62	117218	126.12	ug/l	95
5) Bromomethane	1.31	94	105291	125.21	ug/l	98
6) Chloroethane	1.38	64	60180	102.35	ug/l	99
7) Trichlorofluoromethane	1.47	101	175800	66.58	ug/l	100
8) Diethyl Ether	1.71	74	58850	148.68	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.86	101	153225	112.09	ug/l	93
10) Methyl Iodide	1.93	142	216347	106.00	ug/l	93
11) Tert butyl alcohol	2.70	59	101743	992.07	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	114491	116.18	ug/l	92
13) Acrolein	2.09	56	53307	1001.13	ug/l	94
14) Allyl chloride	2.19	41	180023	122.48	ug/l	97
15) Acrylonitrile	3.08	53	163406	1028.71	ug/l	97
16) Acetone	2.34	43	433630	849.13	ug/l	99
17) Carbon Disulfide	1.84	76	340322	127.91	ug/l	99
18) Methyl Acetate	2.46	43	174754	219.83	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	448816	148.19	ug/l	99
20) Methylene Chloride	2.28	84	123014	107.24	ug/l	99
21) trans-1,2-Dichloroethene	2.41	96	115967	118.63	ug/l	98
22) Diisopropyl ether	2.93	45	450437	133.26	ug/l	97
23) Vinyl Acetate	3.33	43	1072003	657.76	ug/l	100
24) 1,1-Dichloroethane	3.00	63	275851	116.85	ug/l	100
25) 2-Butanone	4.52	43	364064	758.88	ug/l	98
26) 2,2-Dichloropropane	3.76	77	259615	157.85	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	111231	106.08	ug/l	97
28) Bromochloromethane	3.90	49	82737	99.91	ug/l	94
29) Tetrahydrofuran	4.26	42	133292	791.17	ug/l	96
30) Chloroform	4.03	83	321101	103.17	ug/l	97
31) Cyclohexane	3.86	56	118455	106.41	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	304558	115.70	ug/l	99
36) 1,1-Dichloropropene	4.46	75	182778	92.87	ug/l	98
37) Ethyl Acetate	4.29	43	147462	153.52	ug/l #	98
38) Carbon Tetrachloride	4.16	117	269150	84.24	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.62	83	145345	101.80	ug/l #	89
40) Benzene	4.81	78	335144	101.32	ug/l	97
41) Methacrylonitrile	4.92	41	69524	152.05	ug/l	95
42) 1,2-Dichloroethane	5.12	62	306212	112.53	ug/l	100
43) Isopropyl Acetate	7.11	43	174417	166.25	ug/l #	96
44) Trichloroethene	5.67	130	119008	92.80	ug/l	97
45) 1,2-Dichloropropane	6.40	63	95040	105.91	ug/l	98
46) Dibromomethane	6.25	93	113720	125.07	ug/l	93
47) Bromodichloromethane	6.55	83	266434	104.40	ug/l	96
48) Methyl methacrylate	6.87	41	128363	166.58	ug/l	92
49) 1,4-Dioxane	6.86	88	24855	3996.15	ug/l	93
51) 4-Methyl-2-Pentanone	8.41	43	746491	748.94	ug/l	100
52) Toluene	7.78	92	241957	97.69	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	238158	112.39	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	220459	109.94	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	120553	134.53	ug/l	90
56) Ethyl methacrylate	8.77	69	153617	153.30	ug/l	98
57) 1,3-Dichloropropane	9.00	76	210116	128.00	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	59560	487.76	ug/l	100
59) 2-Hexanone	9.63	43	613149	818.41	ug/l	97
60) Dibromochloromethane	8.86	129	215975	124.15	ug/l	98
61) 1,2-Dibromoethane	9.14	107	155997	137.57	ug/l	99
64) Tetrachloroethene	8.30	164	137181	92.07	ug/l	99
65) Chlorobenzene	9.95	112	345955	93.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	168233	94.21	ug/l	98
67) Ethyl Benzene	10.05	91	616568	94.03	ug/l	100
68) m/p-Xylenes	10.27	106	425326	192.49	ug/l	95
69) o-Xylene	10.84	106	239948	100.17	ug/l	93
70) Styrene	10.91	104	358637	99.79	ug/l	98
71) Bromoform	10.90	173	149622	126.93	ug/l #	95
73) Isopropylbenzene	11.23	105	738182	93.43	ug/l	100
74) N-amyl acetate	11.47	43	284280	148.44	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	176449	123.34	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	163782	132.03	ug/l	97
77) Bromobenzene	11.60	156	207500	98.33	ug/l	94
78) n-propylbenzene	11.69	91	843370	90.55	ug/l	97
79) 2-Chlorotoluene	11.82	91	545605	93.21	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	642691	87.27	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	71170m	137.16	ug/l	
82) 4-Chlorotoluene	11.99	91	598607	92.40	ug/l	93
83) tert-Butylbenzene	12.22	119	636089	88.24	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	689886	93.19	ug/l	98
85) sec-Butylbenzene	12.39	105	812347	88.57	ug/l	95
86) p-Isopropyltoluene	12.54	119	724839	89.39	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	361872	90.90	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	373683	95.61	ug/l	98
89) n-Butylbenzene	12.93	91	709545	90.42	ug/l	96
90) Hexachloroethane	12.99	117	168548	84.74	ug/l	96
91) 1,2-Dichlorobenzene	13.02	146	370487	94.92	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	58600	145.26	ug/l	93

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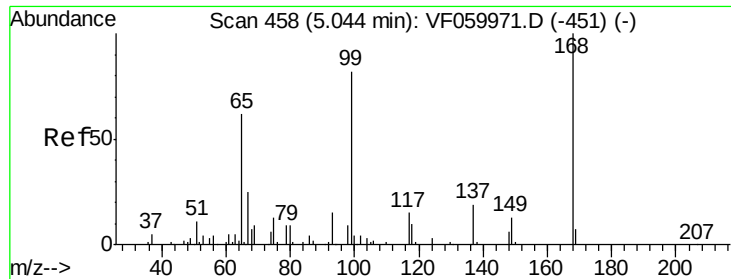
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	300208	96.85	ug/l	96
94) Hexachlorobutadiene	14.26	225	181369	83.35	ug/l	98
95) Naphthalene	14.52	128	619180	119.06	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	306783	102.91	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 121906

Ion Ratio Lower Upper

168 100

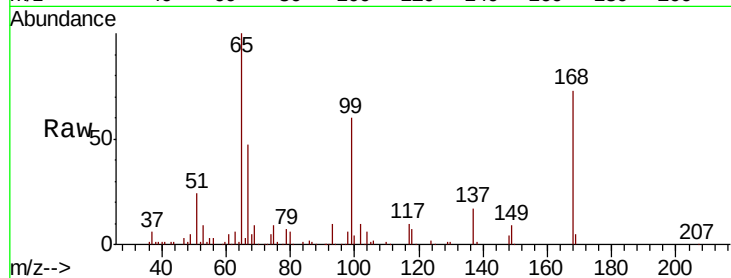
99 83.1 65.7 98.5

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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

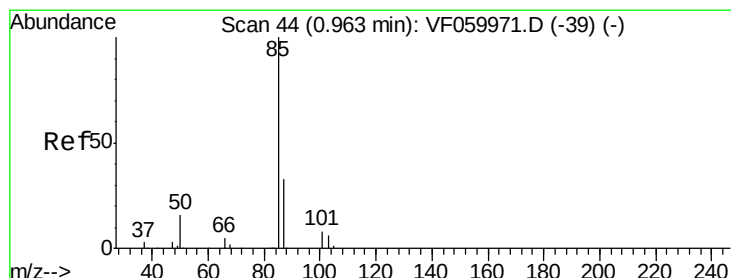
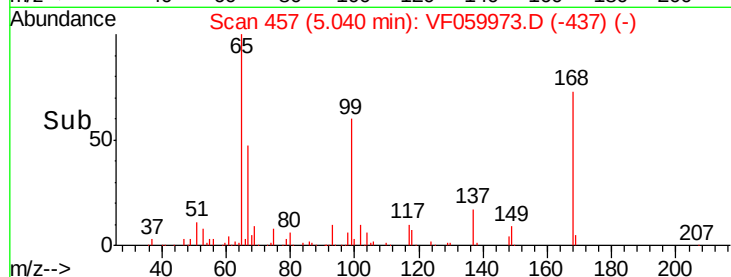
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 105.74 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF059973.D

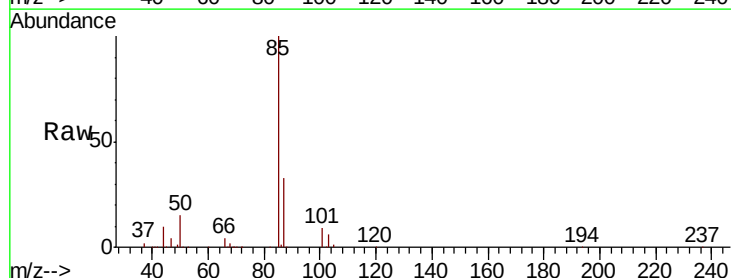
Acq: 16 Aug 2018 21:31

Tgt Ion: 85 Resp: 194665

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

150000

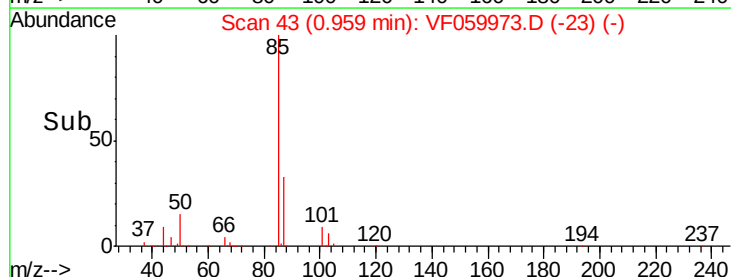
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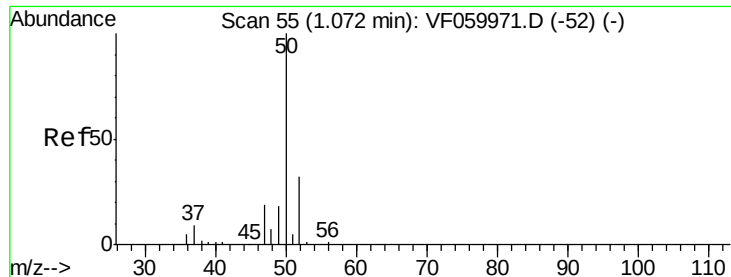
50000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 110.16 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 86495

Ion Ratio Lower Upper

50 100

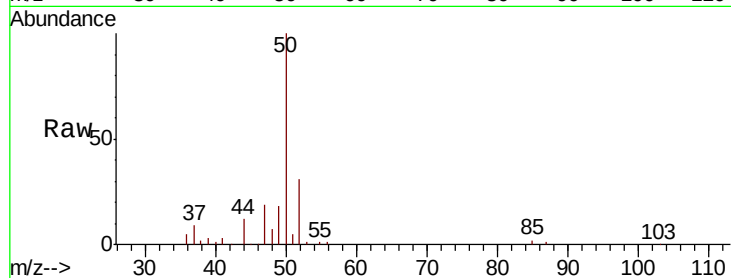
52 31.3 25.7 38.5

Manual Integrations

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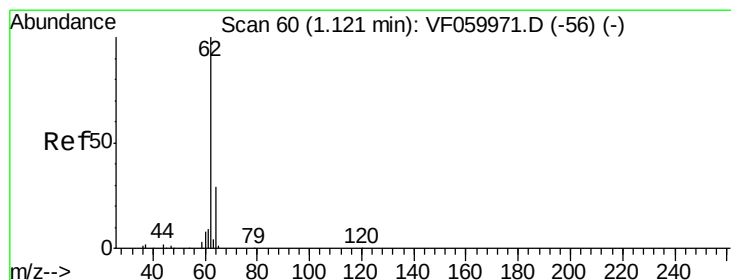
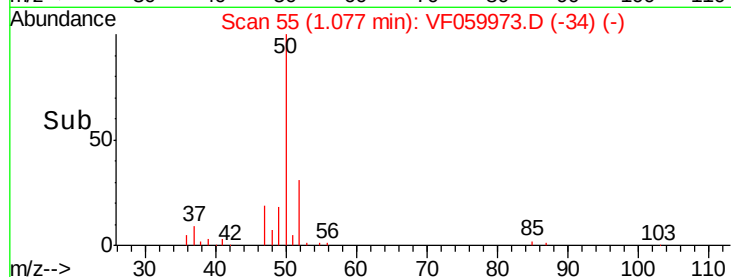
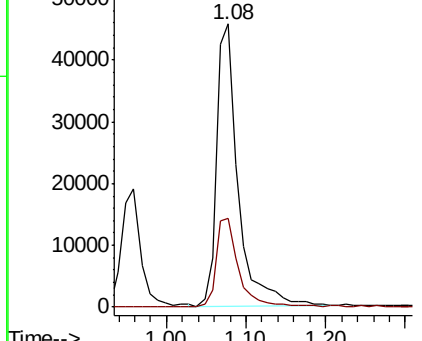
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 126.12 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.00 min

Lab File: VF059973.D

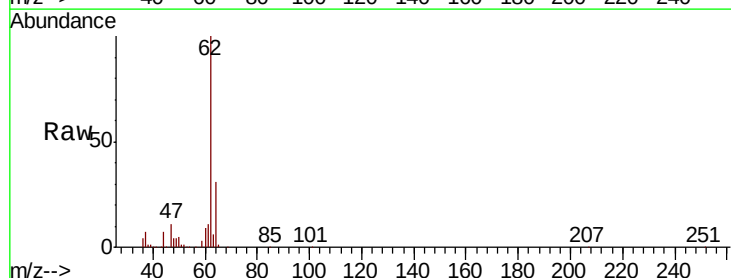
Acq: 16 Aug 2018 21:31

Tgt Ion: 62 Resp: 117218

Ion Ratio Lower Upper

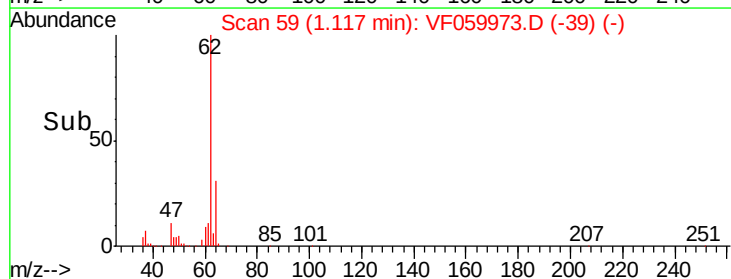
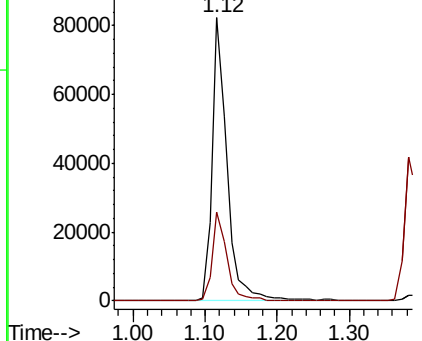
62 100

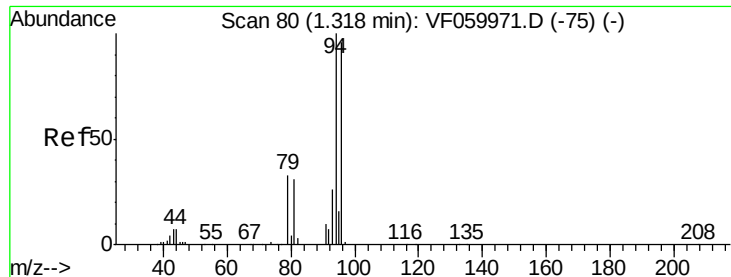
64 31.5 23.1 34.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 125.21 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.00 min

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Acq: 16 Aug 2018 21:31

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Tot Ion: 94 Resp: 105291

Ion Ratio Lower Upper

94 100

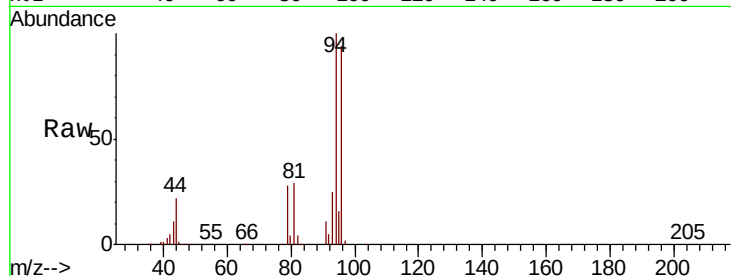
96 93.6 76.7 115.1

Manual Integrations

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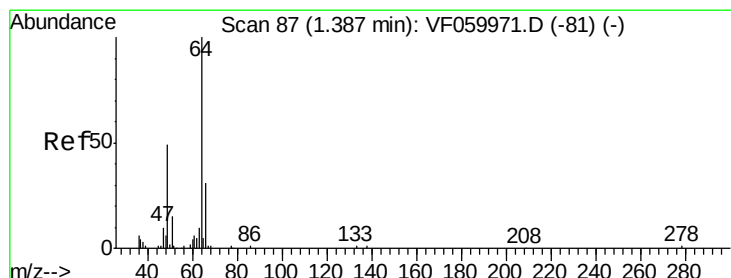
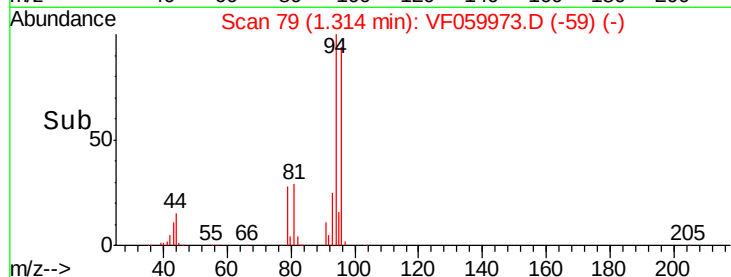
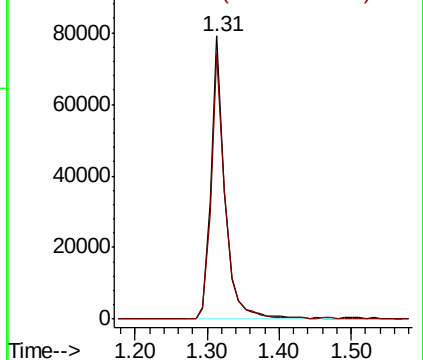
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 102.35 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.00 min

Lab File: VF059973.D

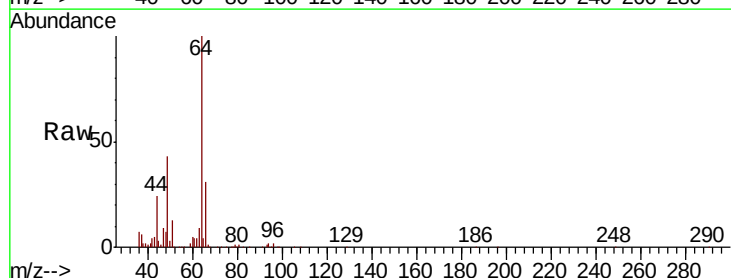
Acq: 16 Aug 2018 21:31

Tgt Ion: 64 Resp: 60180

Ion Ratio Lower Upper

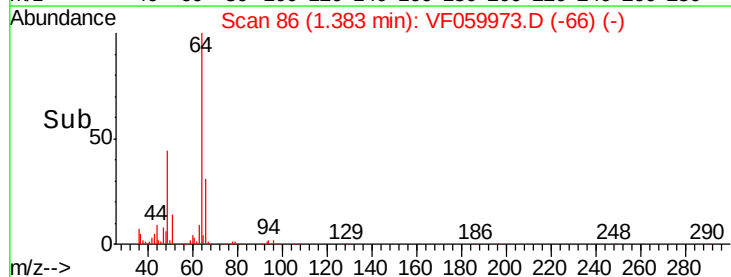
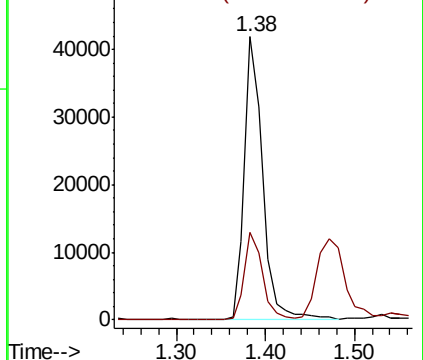
64 100

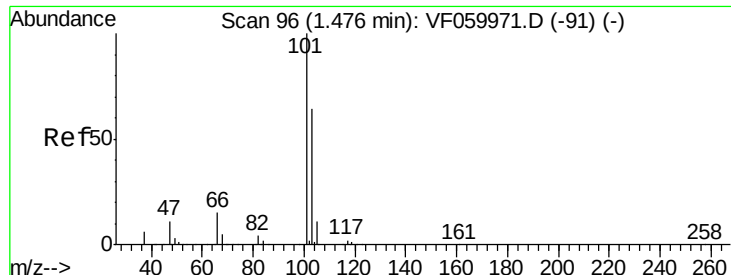
66 30.9 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 66.58 ug/l

RT: 1.47 min Scan# 95

Delta R.T. -0.00 min

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Tot Ion:101 Resp: 175800

Ion Ratio Lower Upper

101 100

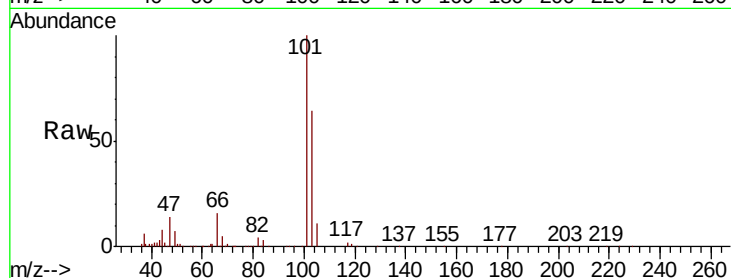
103 63.8 50.9 76.3

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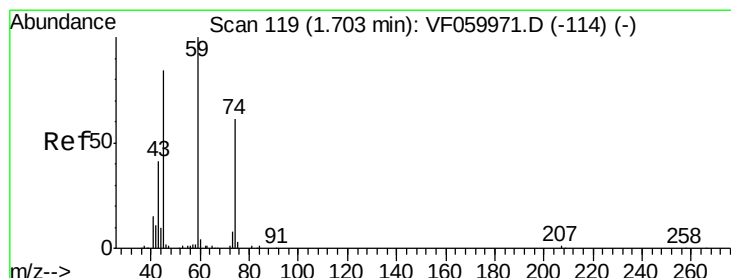
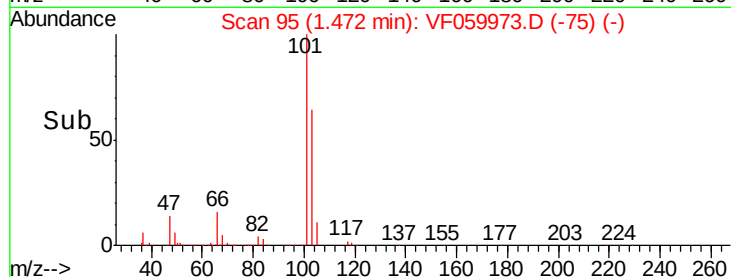
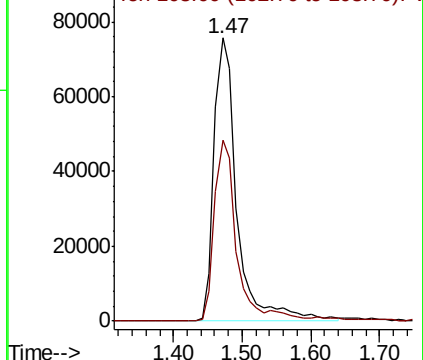
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 148.68 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.01 min

Lab File: VF059973.D

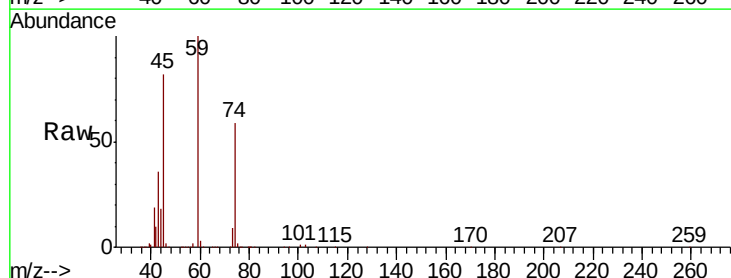
Acq: 16 Aug 2018 21:31

Tgt Ion: 74 Resp: 58850

Ion Ratio Lower Upper

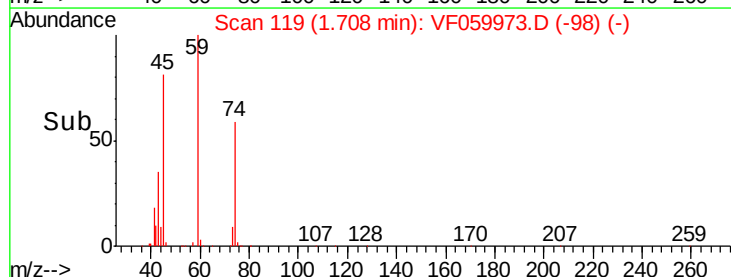
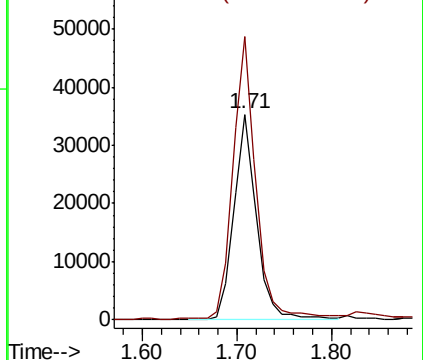
74 100

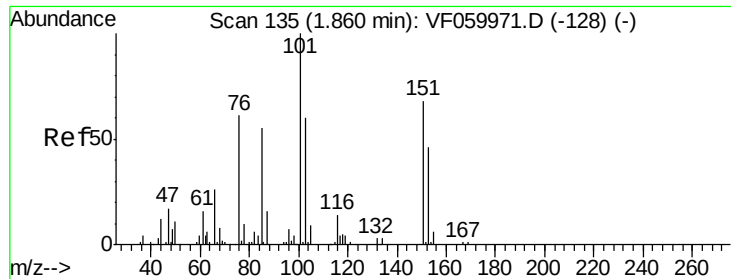
45 137.5 69.8 209.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 112.09 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.00 min

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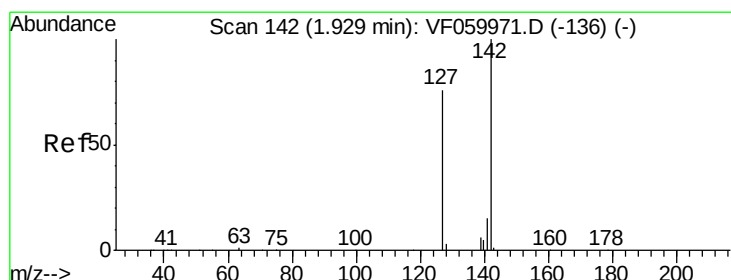
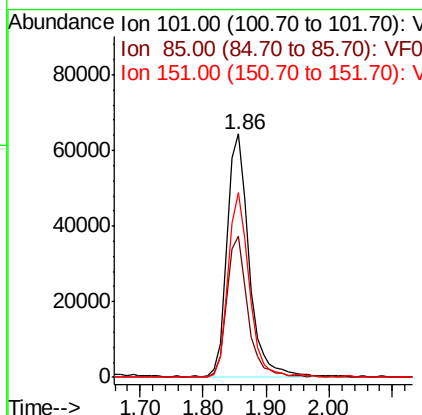
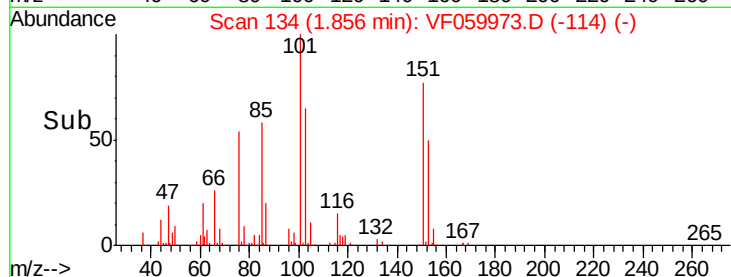
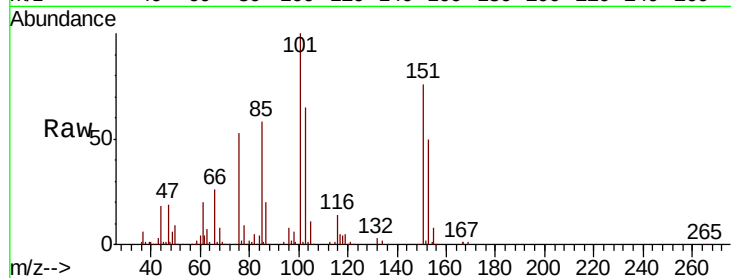
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	153225
Ion Ratio	Lower	Upper	
101	100		
85	57.8	44.2	66.4
151	75.9	54.5	81.7

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#10

Methyl Iodide

Concen: 106.00 ug/l

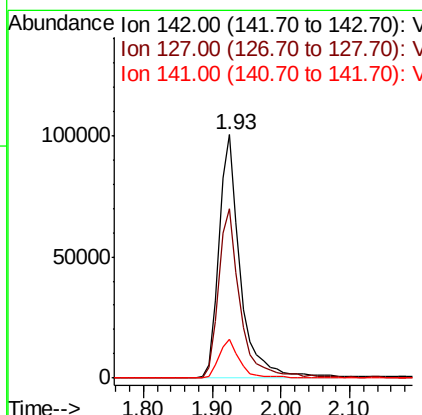
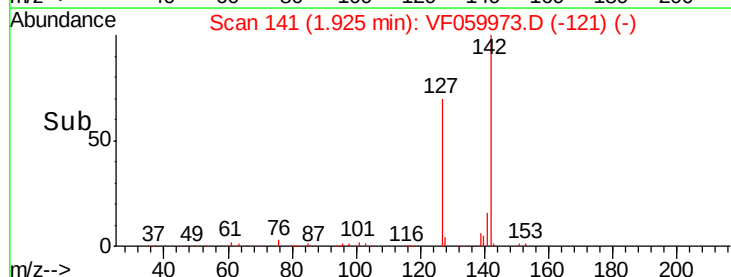
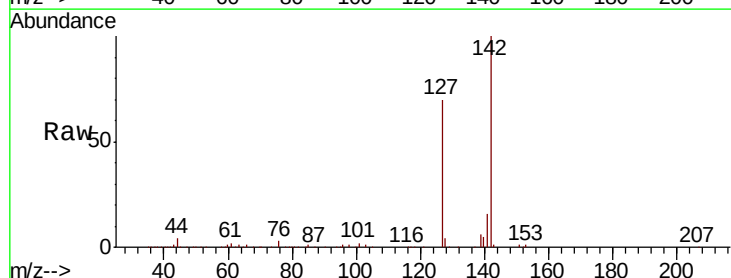
RT: 1.93 min Scan# 141

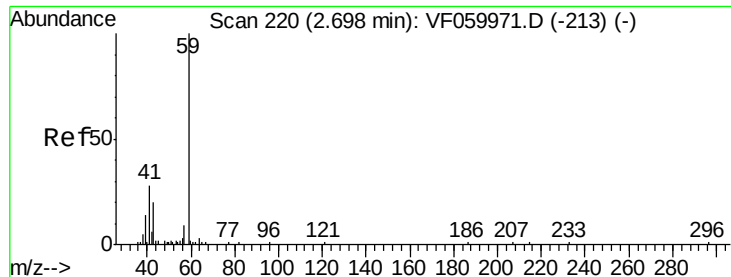
Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Tgt Ion:	142	Resp:	216347
Ion Ratio	Lower	Upper	
142	100		
127	69.6	61.0	91.6
141	16.0	12.1	18.1





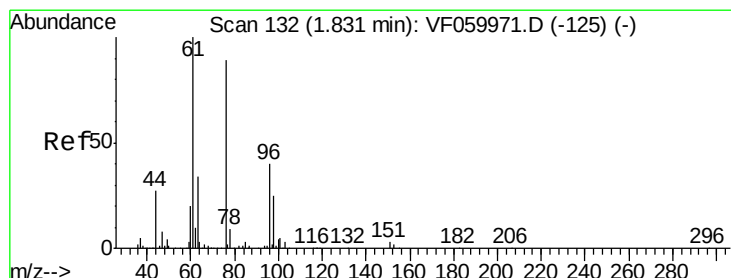
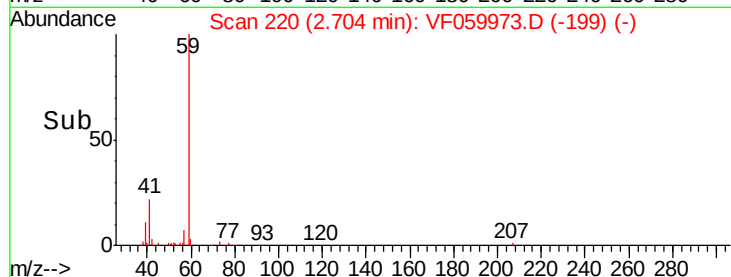
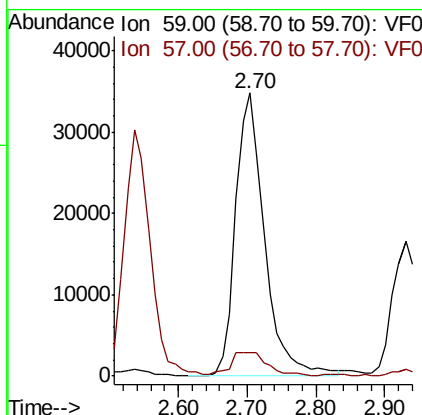
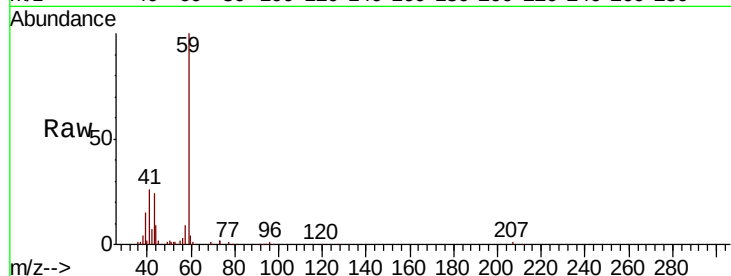
#11
Tert butyl alcohol
Concen: 992.07 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.5	8.8	13.2#

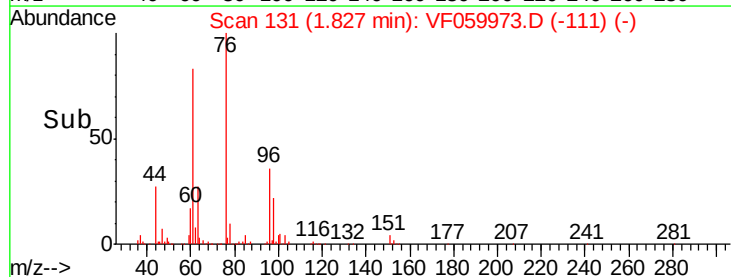
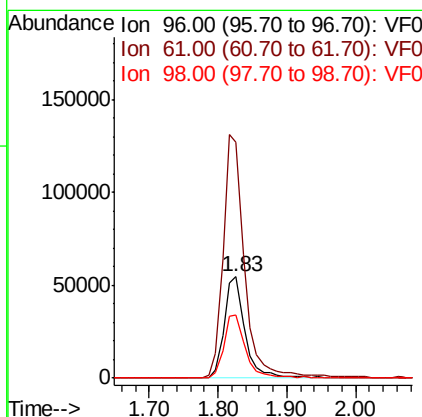
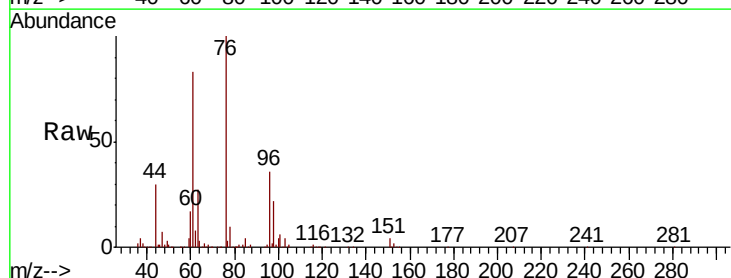
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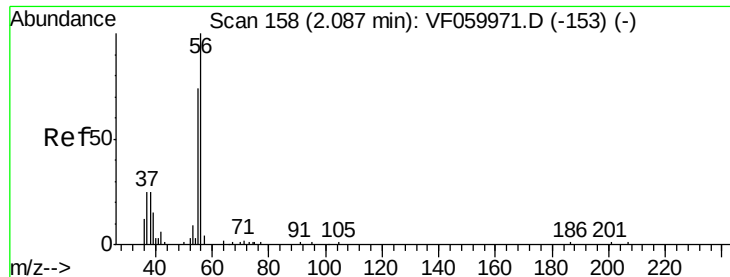
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#12
1,1-Dichloroethene
Concen: 116.18 ug/l
RT: 1.83 min Scan# 131
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	233.2	200.0	300.0
98	62.8	49.8	74.8





#13

Acrolein

Concen: 1001.13 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 53307

Ion Ratio Lower Upper

56 100

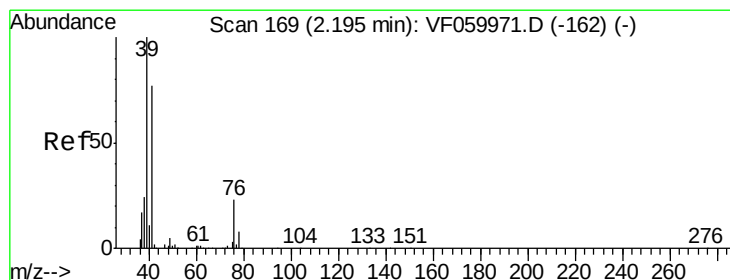
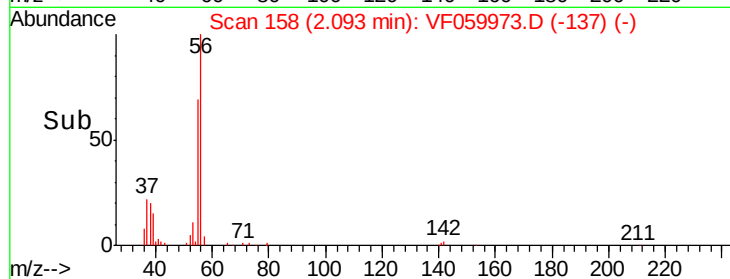
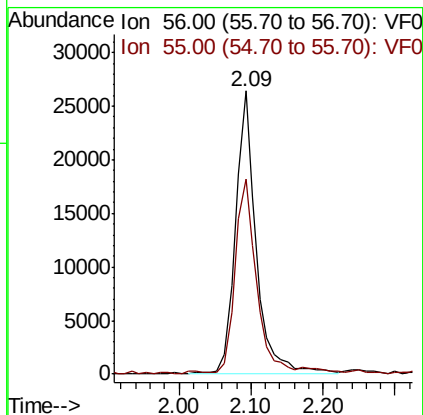
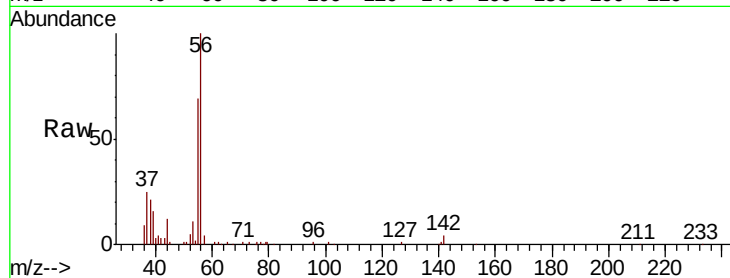
55 68.7 59.2 88.8

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#14

Allyl chloride

Concen: 122.48 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

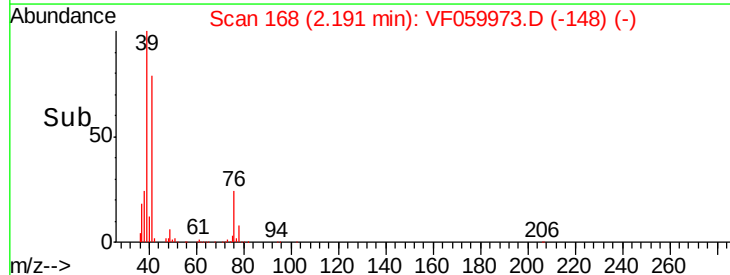
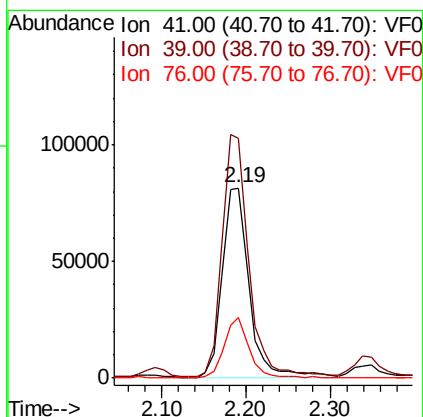
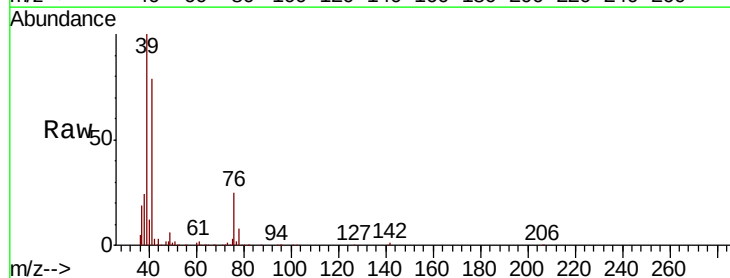
Tgt Ion: 41 Resp: 180023

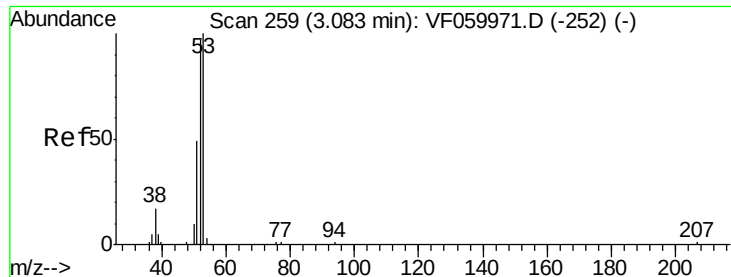
Ion Ratio Lower Upper

41 100

39 126.3 103.6 155.4

76 31.9 23.5 35.3





#15

Acrylonitrile

Concen: 1028.71 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

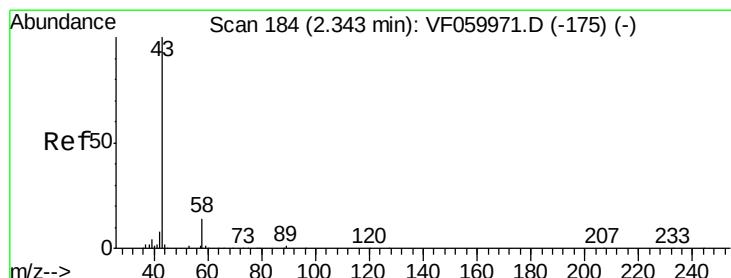
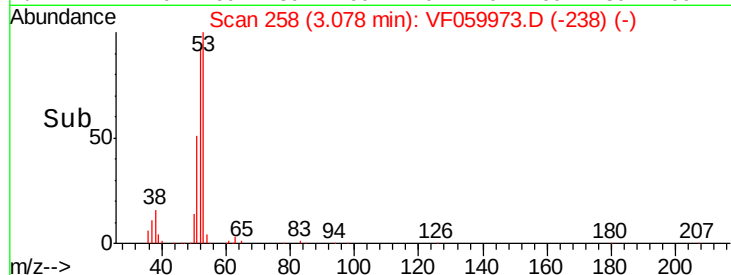
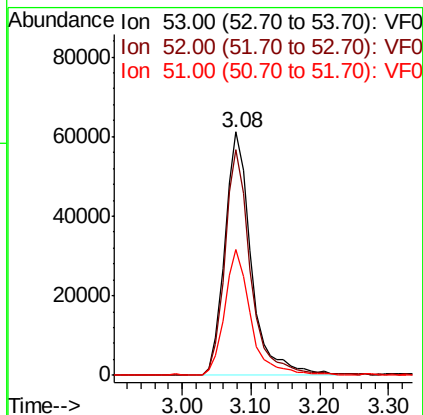
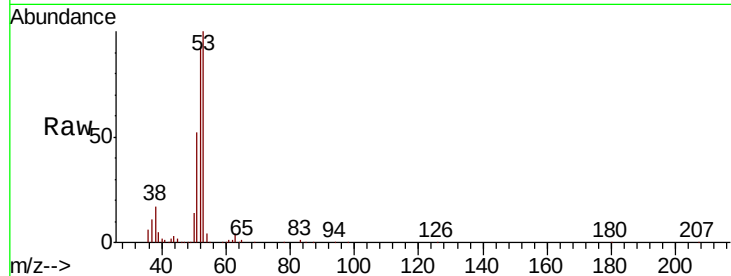
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	163406
Ion	Ratio	Lower	Upper
53	100		
52	92.8	77.6	116.4
51	51.5	40.2	60.2

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#16

Acetone

Concen: 849.13 ug/l

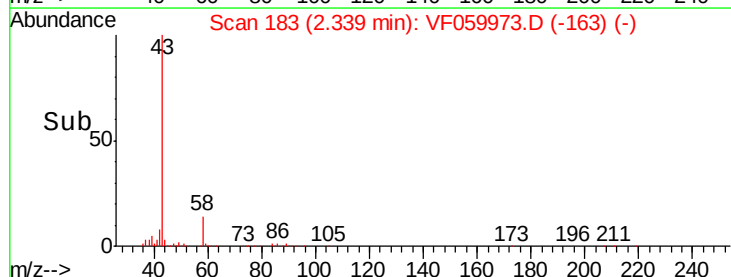
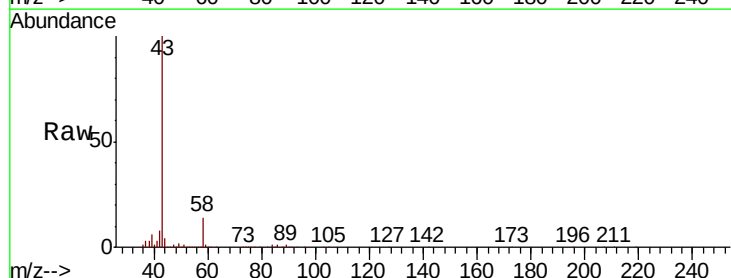
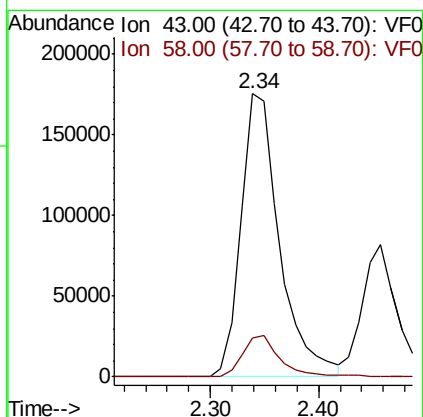
RT: 2.34 min Scan# 183

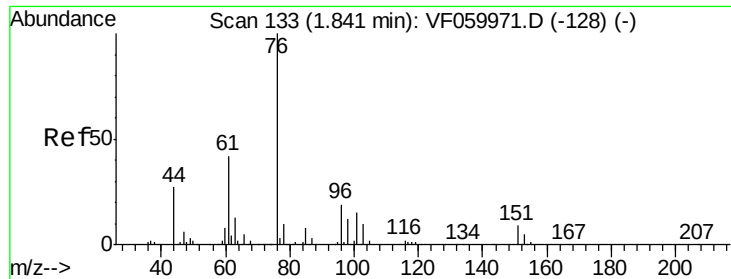
Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Tgt Ion:	43	Resp:	433630
Ion	Ratio	Lower	Upper
43	100		
58	13.6	11.1	16.7





#17

Carbon Disulfide

Concen: 127.91 ug/l

RT: 1.84 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 340322

Ion Ratio Lower Upper

76 100

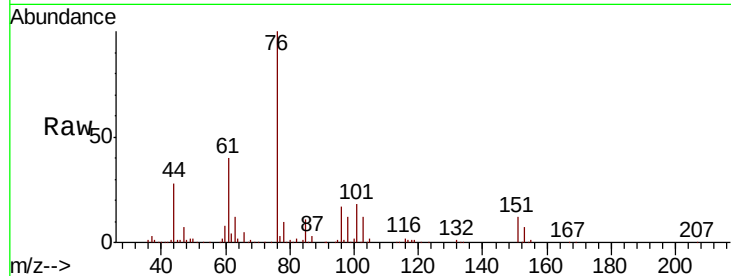
78 10.3 8.0 12.0

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

1.84

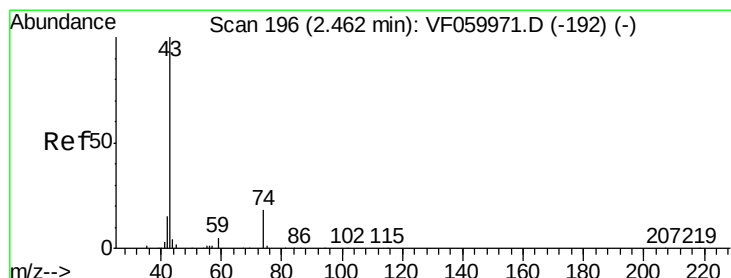
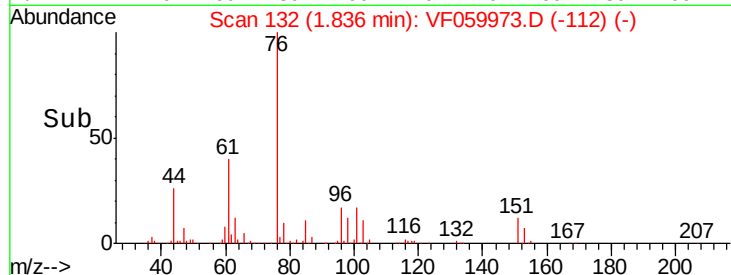
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 219.83 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF059973.D

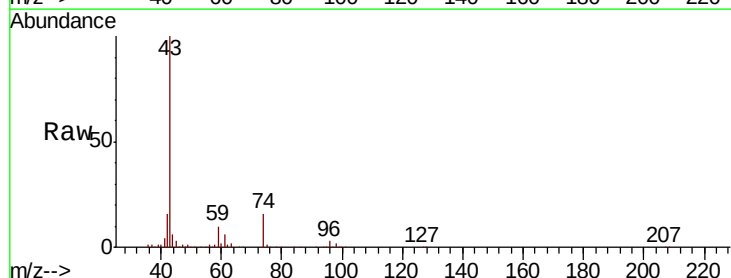
Acq: 16 Aug 2018 21:31

Tgt Ion: 43 Resp: 174754

Ion Ratio Lower Upper

43 100

74 16.5 13.2 19.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.46

80000

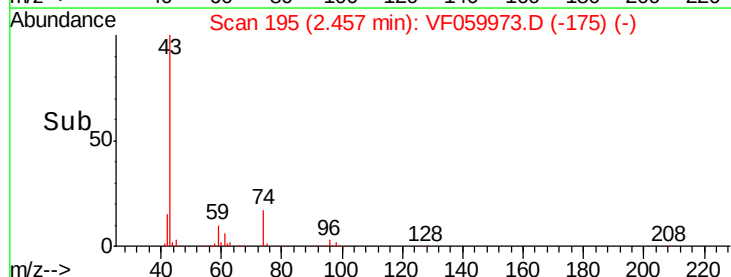
60000

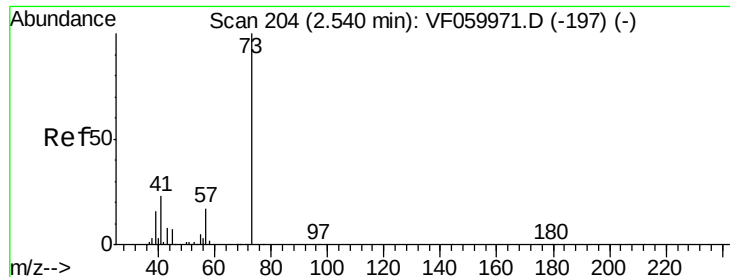
40000

20000

0

Time-->





#19

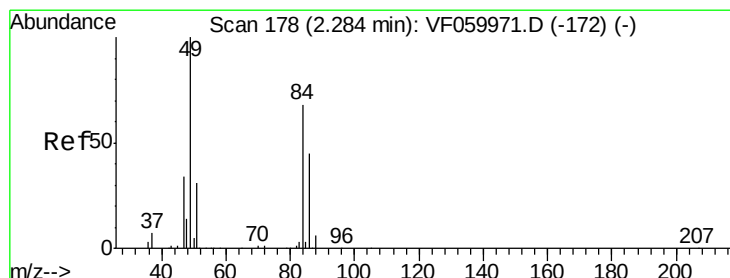
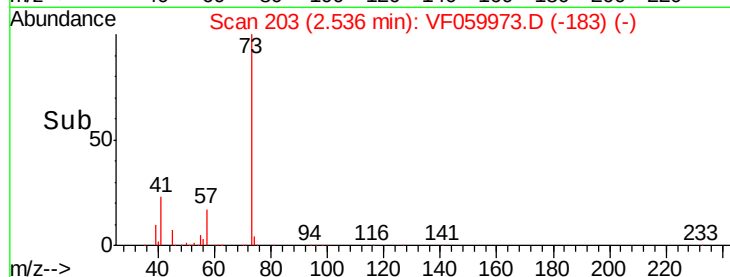
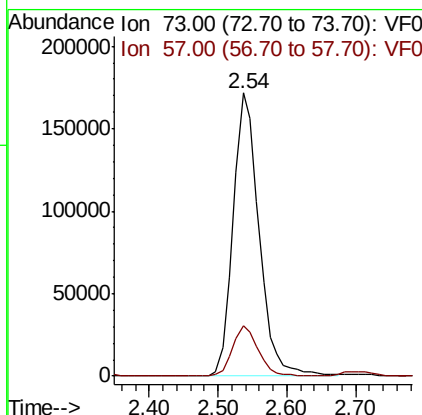
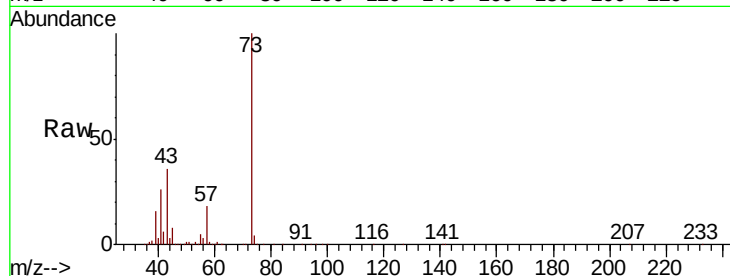
Methyl tert-butyl Ether
 Concen: 148.19 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.7	13.7	20.5

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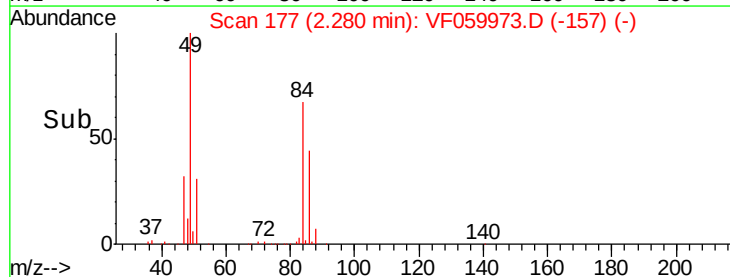
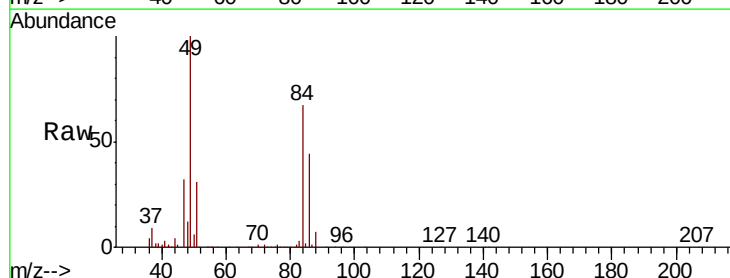
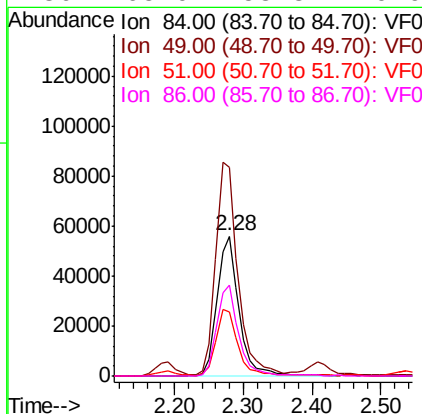
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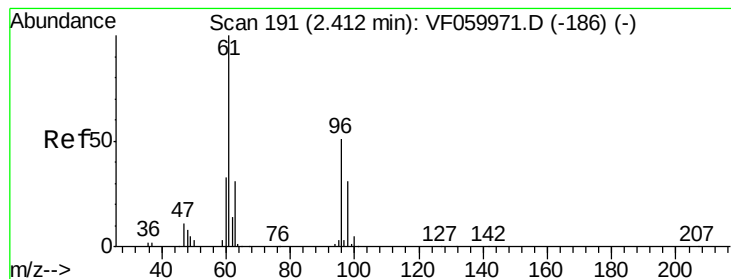


#20

Methylene Chloride
 Concen: 107.24 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.6	118.2	177.2
51	45.7	36.3	54.5
86	65.0	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 118.63 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

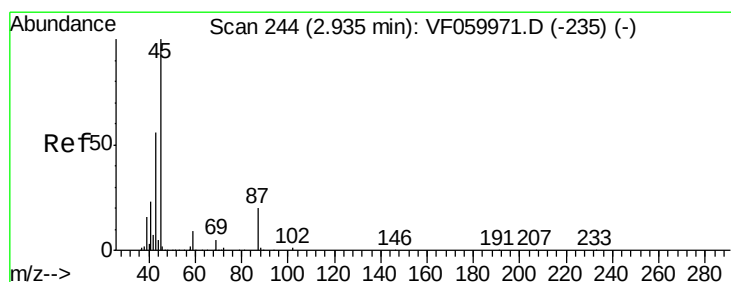
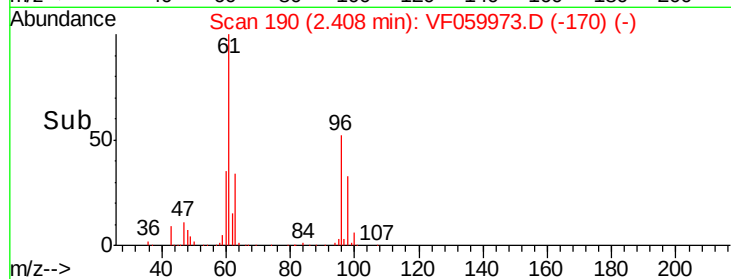
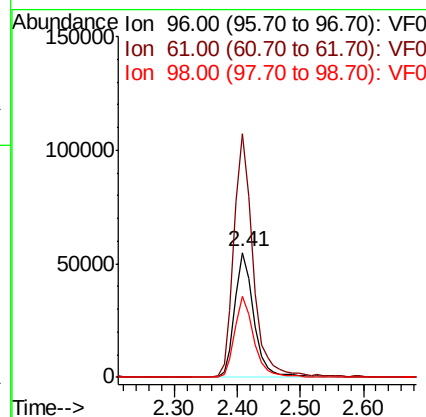
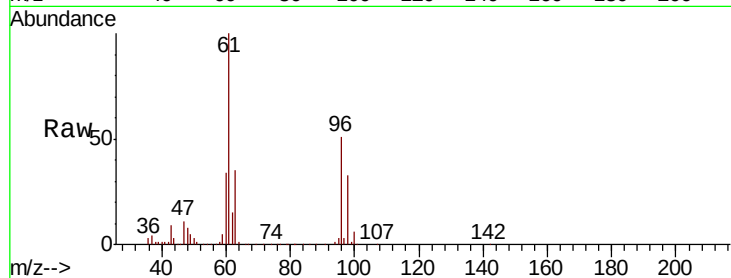
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	115967
Ion Ratio	Lower	Upper	
96	100		
61	195.2	156.9	235.3
98	64.8	48.6	73.0

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#22

Diisopropyl ether

Concen: 133.26 ug/l

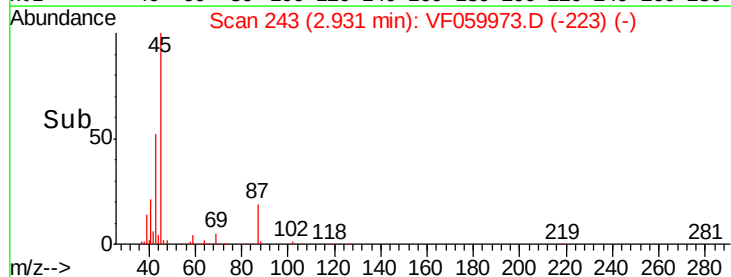
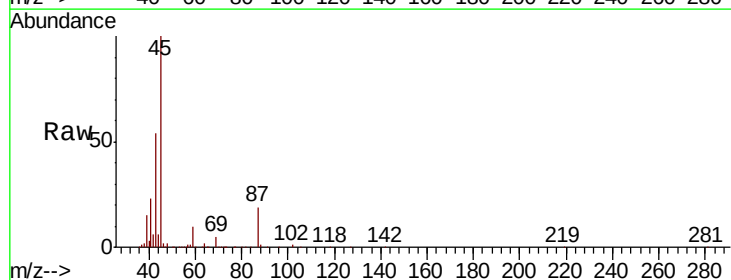
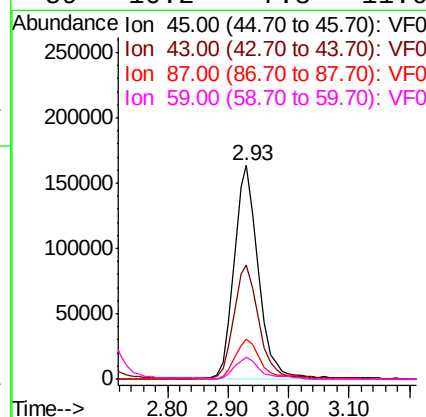
RT: 2.93 min Scan# 243

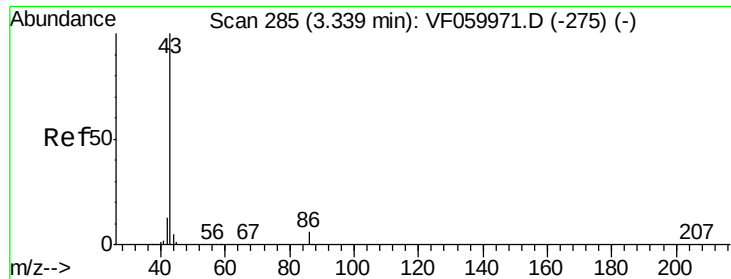
Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Tgt Ion:	45	Resp:	450437
Ion Ratio	Lower	Upper	
45	100		
43	53.5	44.9	67.3
87	18.7	15.8	23.6
59	10.2	7.8	11.6





#23

Vinyl Acetate

Concen: 657.76 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1072003

Ion Ratio Lower Upper

43 100

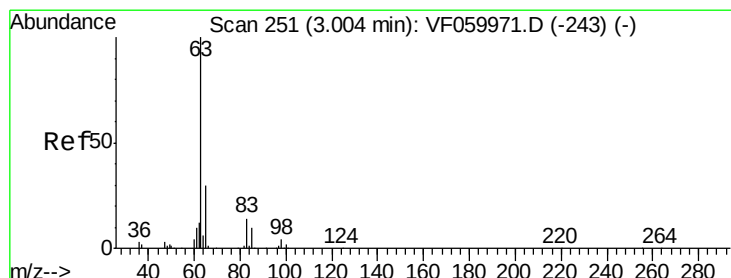
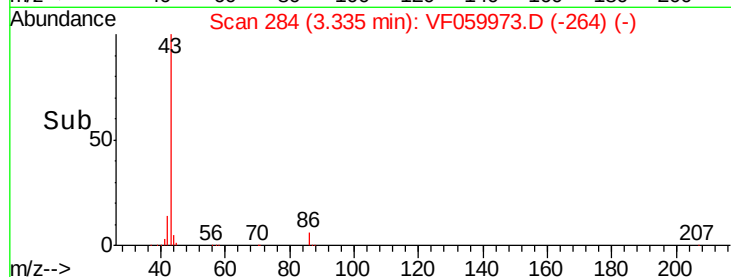
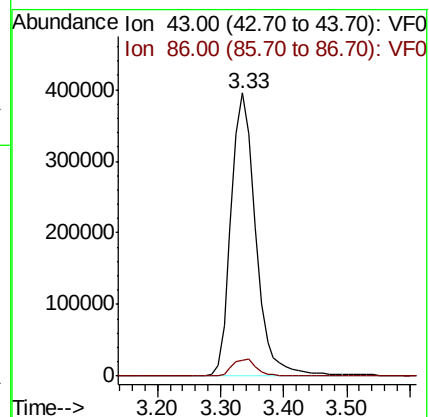
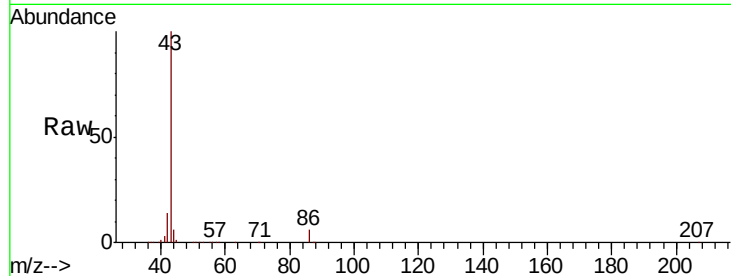
86 5.8 4.5 6.7

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#24

1,1-Dichloroethane

Concen: 116.85 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

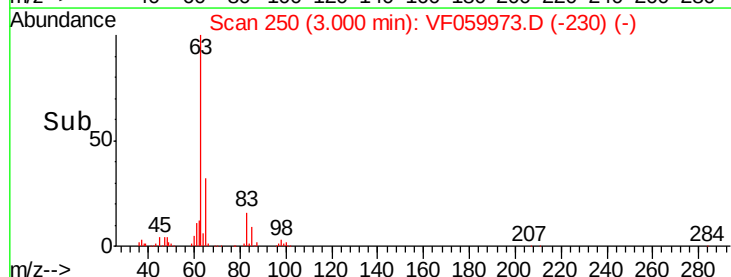
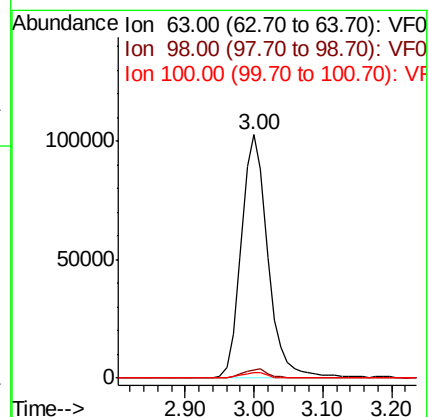
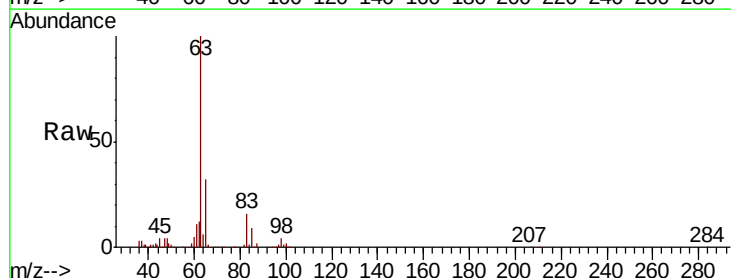
Tgt Ion: 63 Resp: 275851

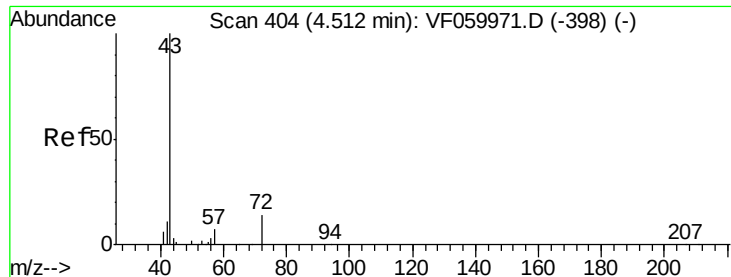
Ion Ratio Lower Upper

63 100

98 3.6 1.8 5.4

100 2.2 1.1 3.1





#25

2-Butanone

Concen: 758.88 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 364064

Ion Ratio Lower Upper

43 100

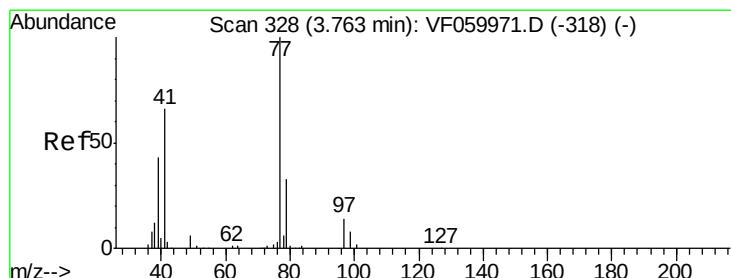
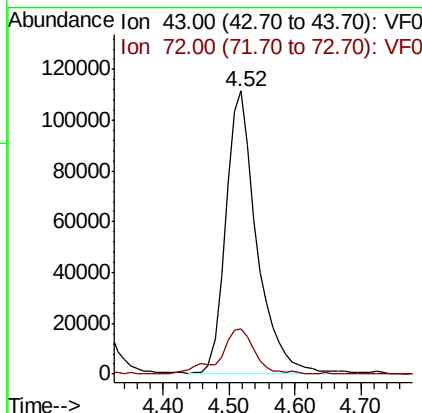
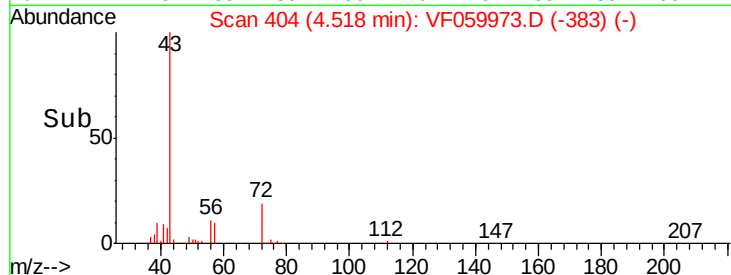
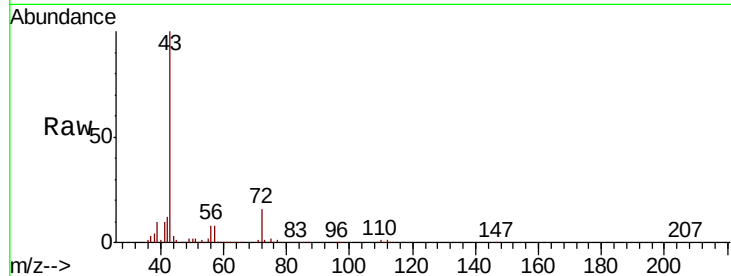
72 15.9 13.4 20.2

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#26

2,2-Dichloropropane

Concen: 157.85 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059973.D

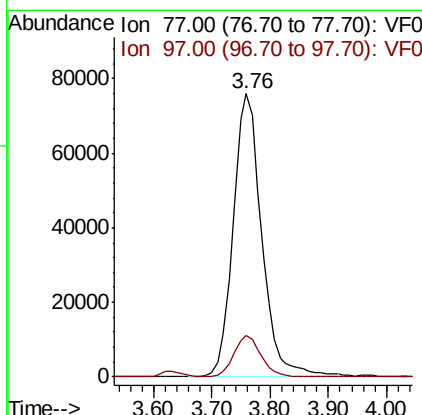
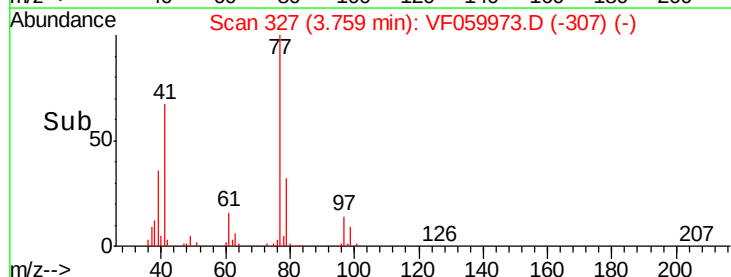
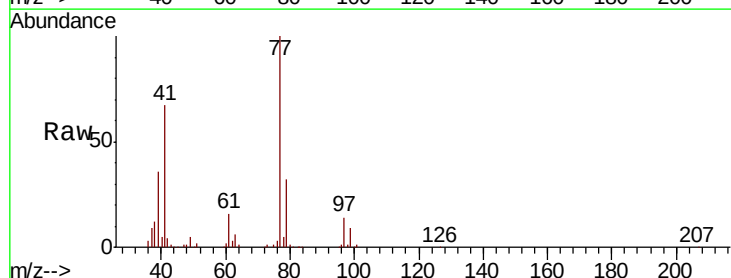
Acq: 16 Aug 2018 21:31

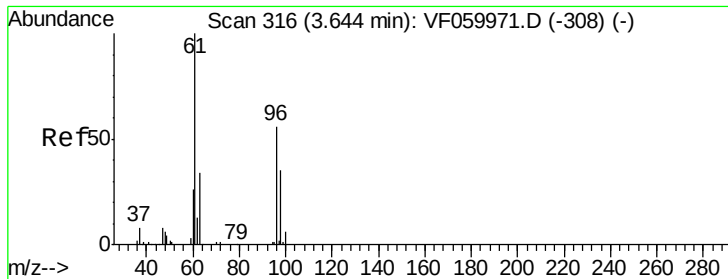
Tgt Ion: 77 Resp: 259615

Ion Ratio Lower Upper

77 100

97 14.5 7.4 22.3





#27

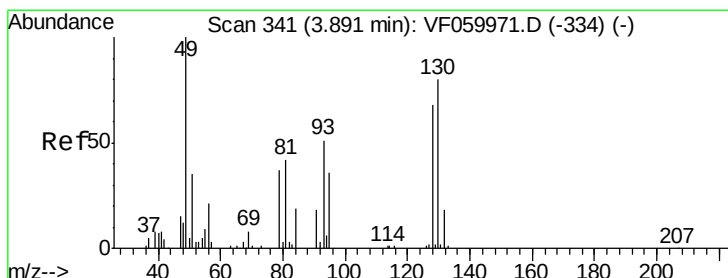
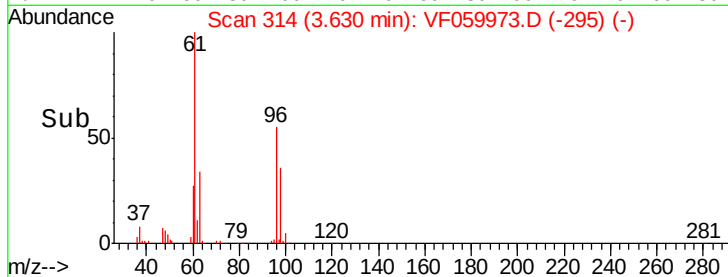
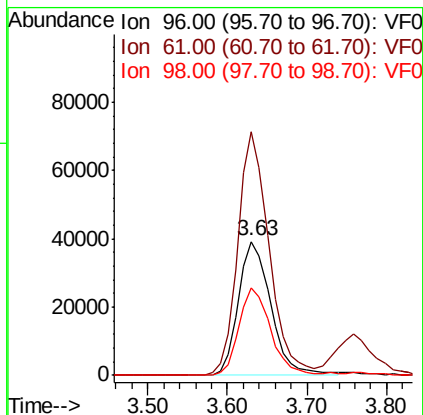
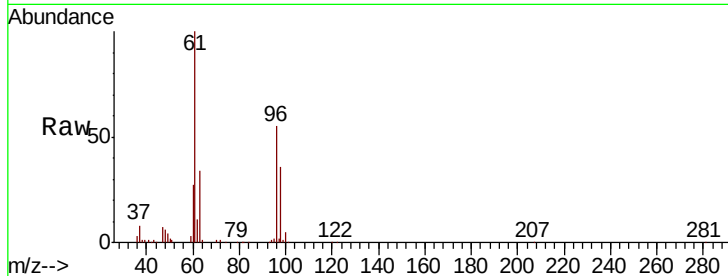
cis-1,2-Dichloroethene
Concen: 106.08 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	181.9	0.0	356.4		
98	65.0	0.0	125.2		

Manual Integrations
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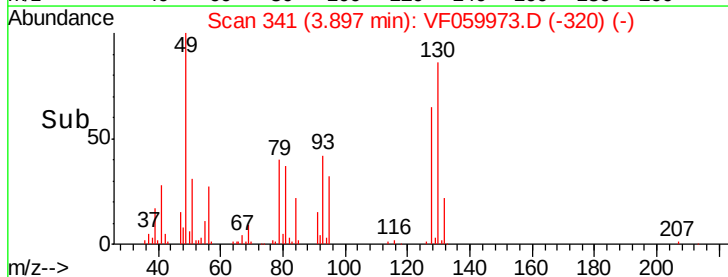
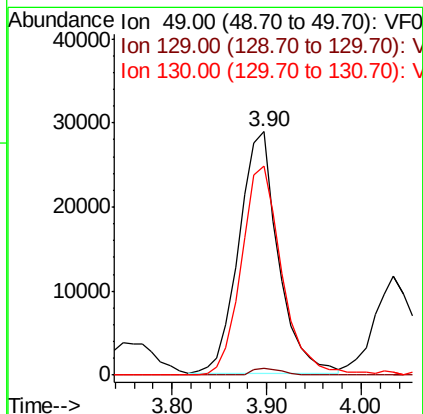
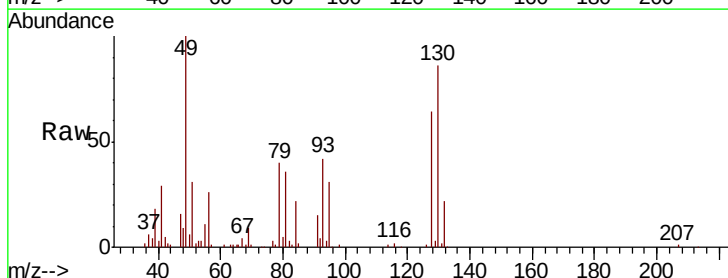
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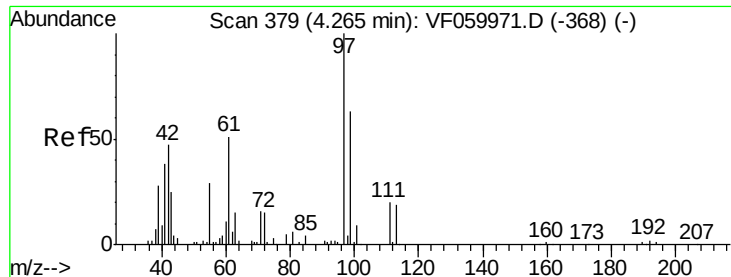


#28

Bromochloromethane
Concen: 99.91 ug/l
RT: 3.90 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	3.0	0.0	4.6		
130	85.7	64.0	96.0		





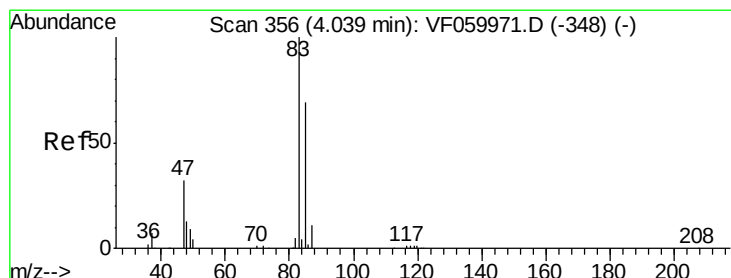
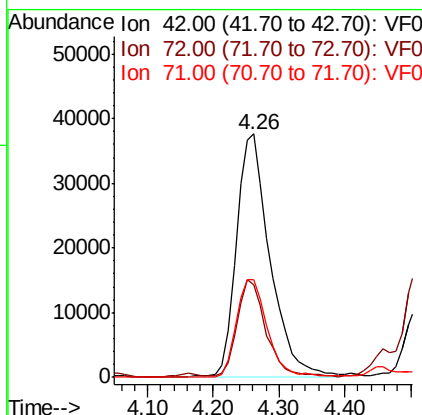
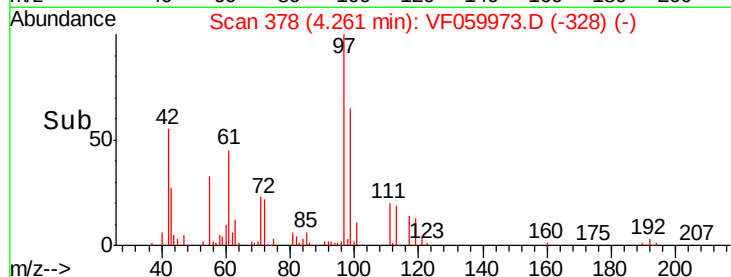
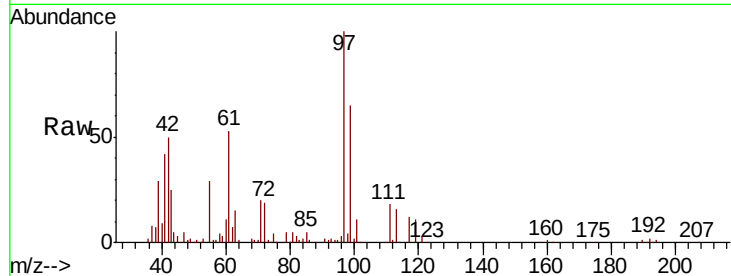
#29
Tetrahydrofuran
Concen: 791.17 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	34.5		27.9	41.9
71	37.7		26.9	40.3

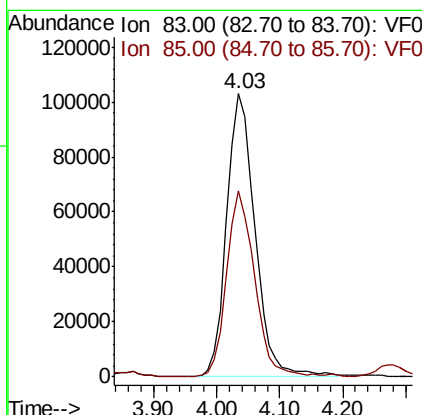
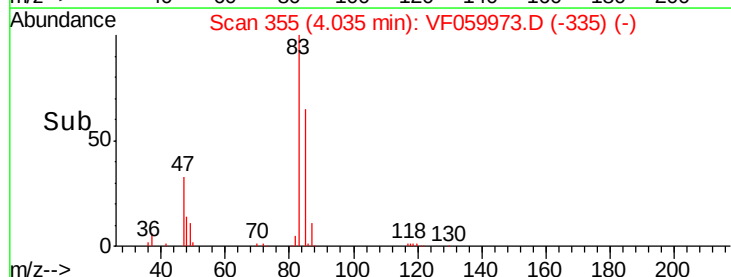
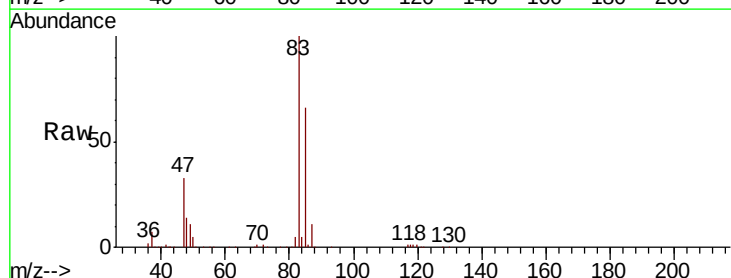
Manual Integrations
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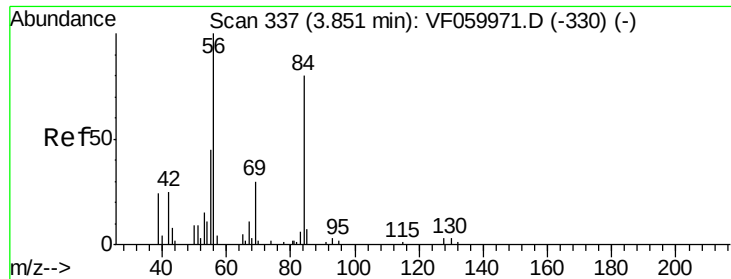
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#30
Chloroform
Concen: 103.17 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.9		54.9	82.3





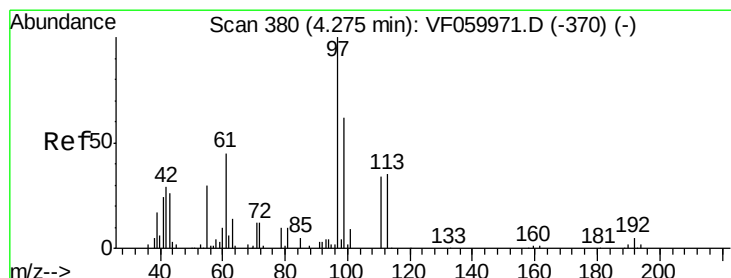
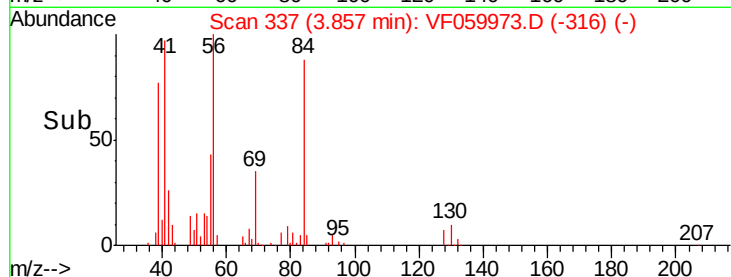
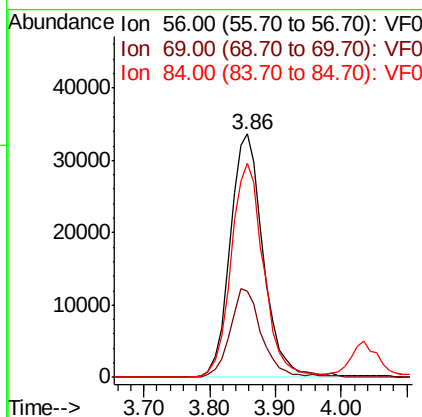
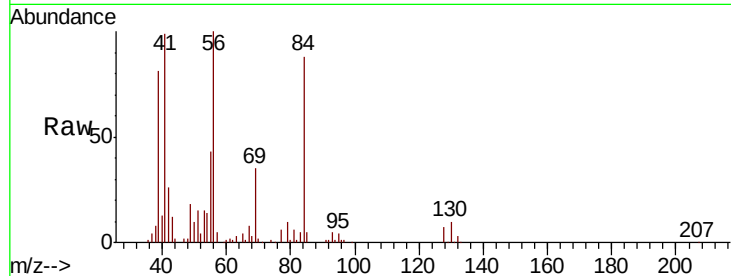
#31
Cyclohexane
Concen: 106.41 ug/l
RT: 3.86 min Scan# 337
Delta R.T. 0.01 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		118455		
69	35.2	23.8	35.6		
84	88.0	64.3	96.5		

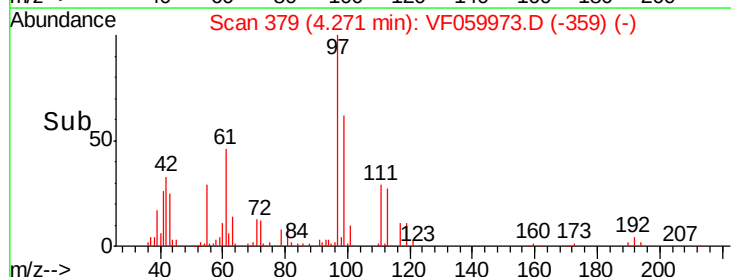
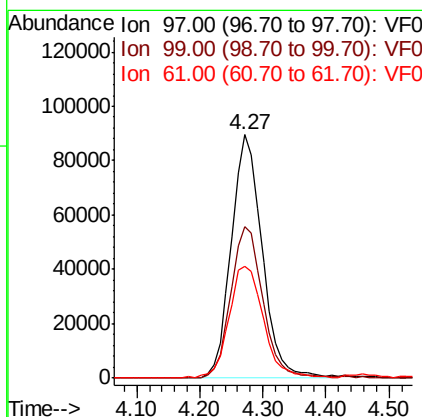
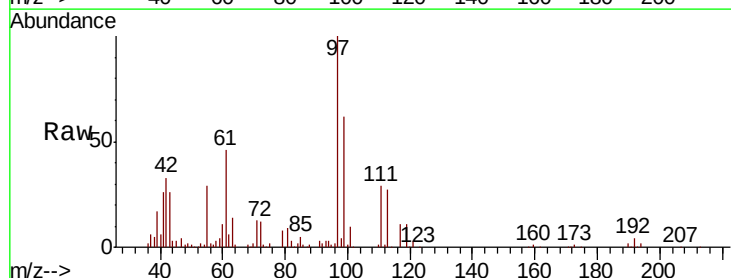
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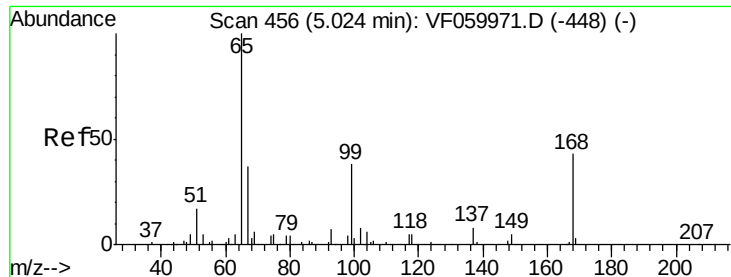
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#32
1,1,1-Trichloroethane
Concen: 115.70 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		304558		
99	62.1	49.3	73.9		
61	45.8	36.5	54.7		





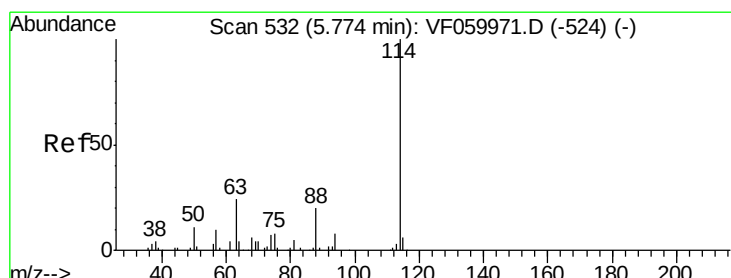
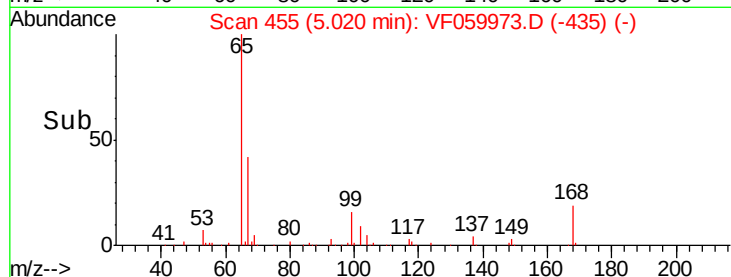
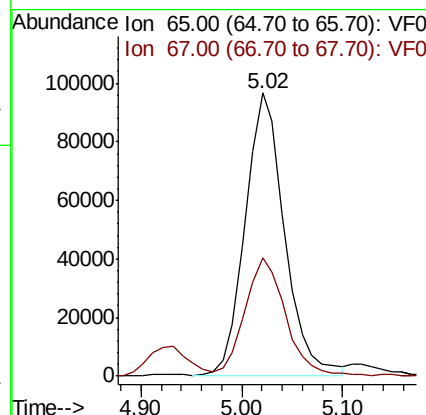
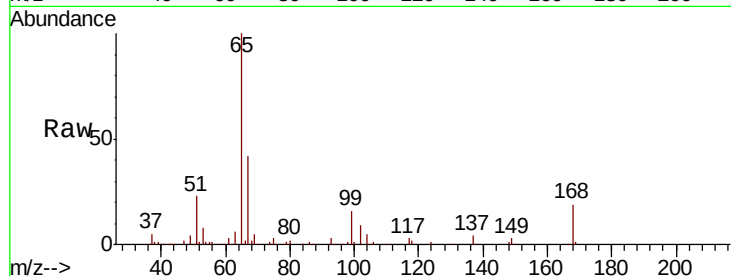
#33
 1,2-Dichloroethane-d4
 Concen: 117.91 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	261888		
67	41.8	0.0	84.8	

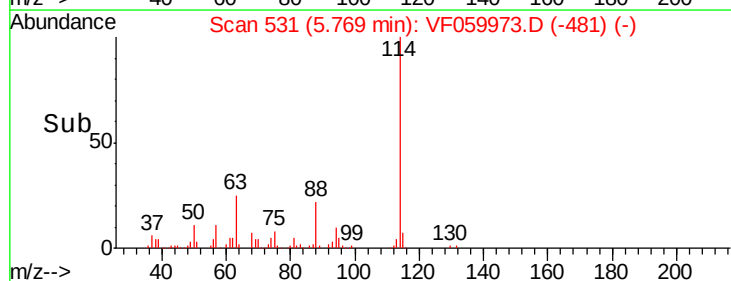
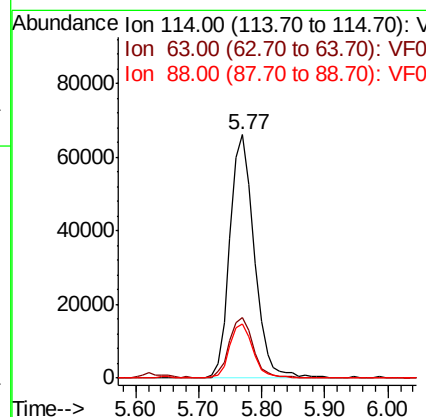
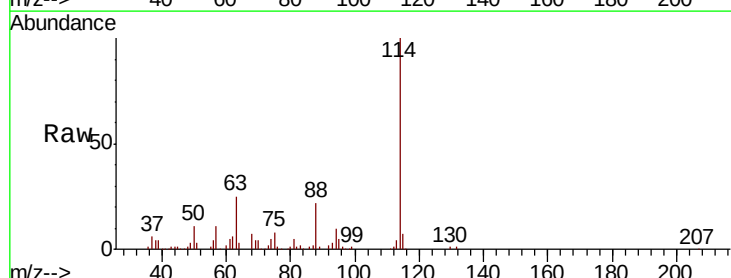
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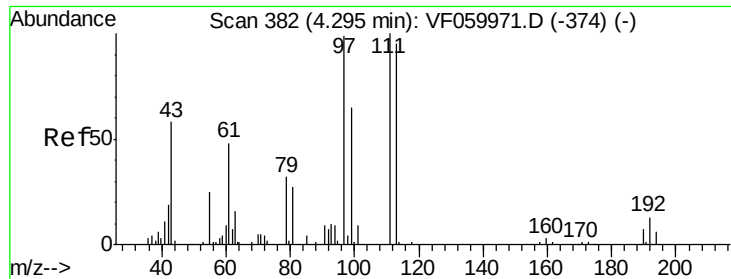
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	177656		
63	25.1	0.0	48.8	
88	22.1	0.0	39.6	





#35

Dibromofluoromethane

Concen: 98.57 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

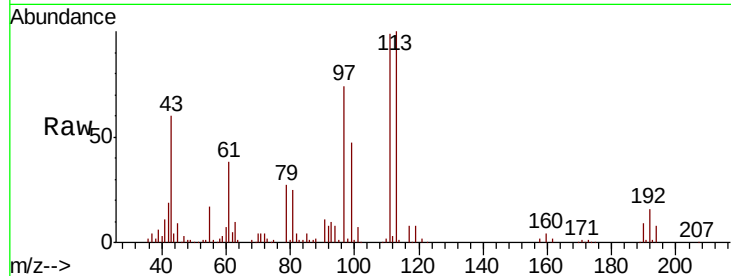
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	177952
Ion Ratio	Lower	Upper	
113	100		
111	99.2	83.9	125.9
192	15.6	11.3	16.9

Manual Integrations
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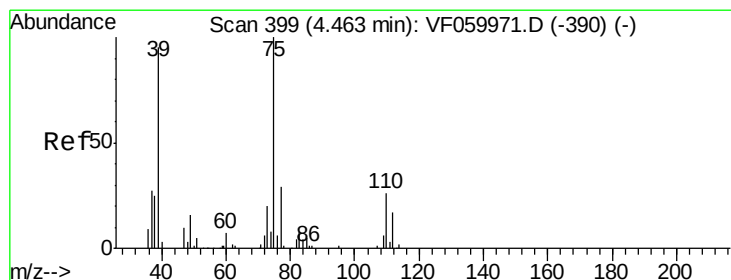
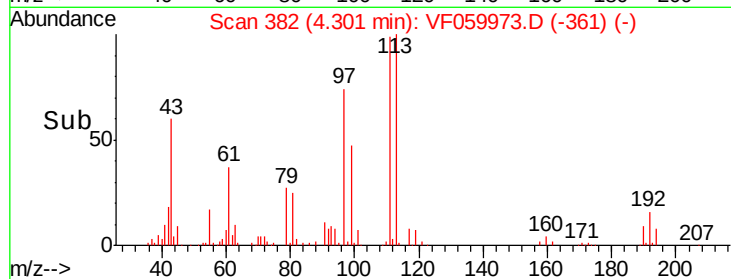
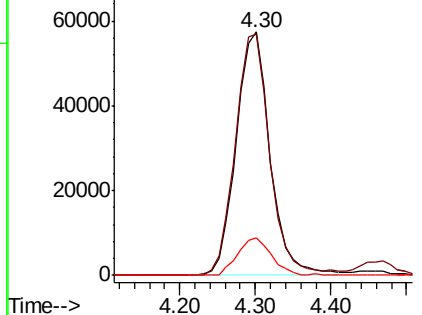
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Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 92.87 ug/l

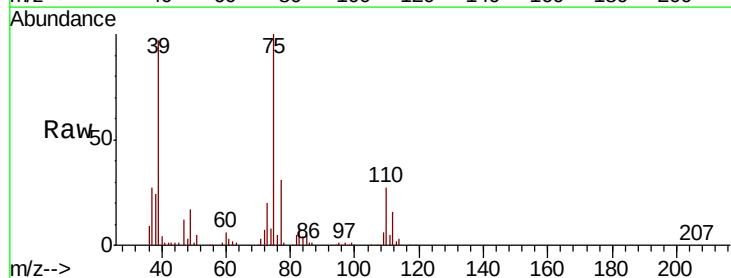
RT: 4.46 min Scan# 398

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

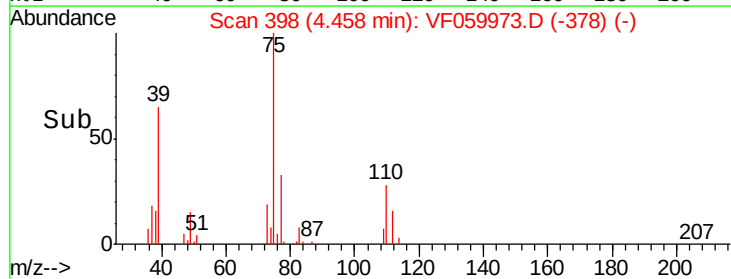
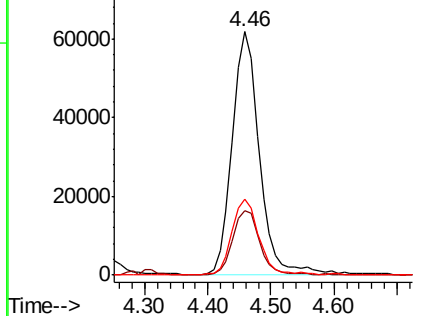
Tgt Ion:	75	Resp:	182778
Ion Ratio	Lower	Upper	
75	100		
110	26.6	13.1	39.3
77	31.3	23.4	35.0

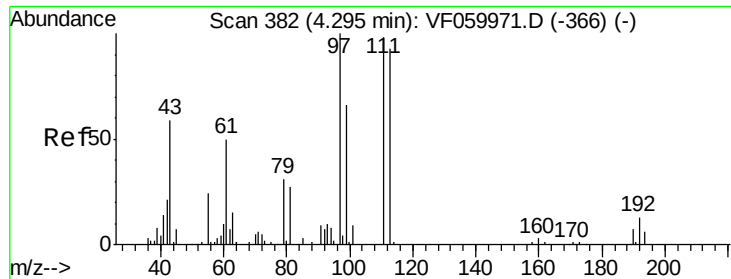


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





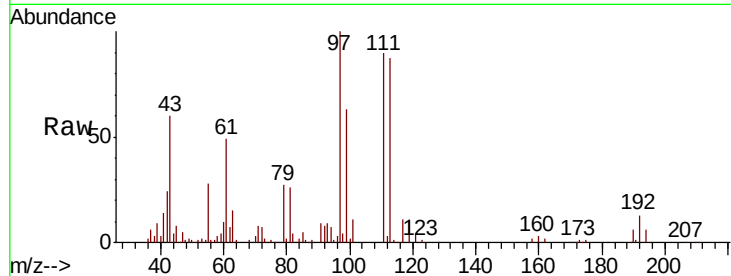
#37
Ethyl Acetate
Concen: 153.52 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

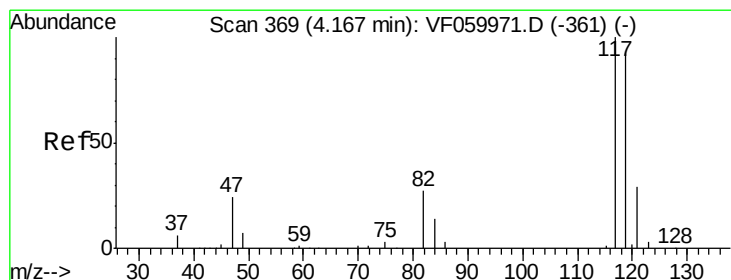
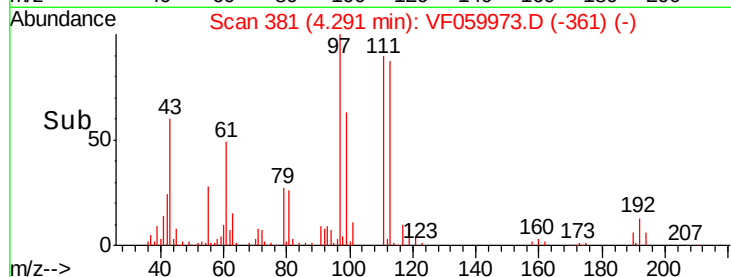
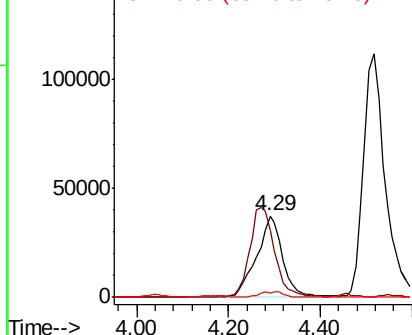
Tot Ion	Ratio	Lower	Upper
43	100		
61	82.4	67.0	100.4
70	5.7	6.7	10.1

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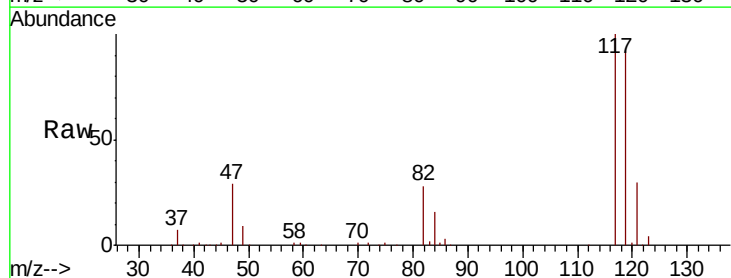


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

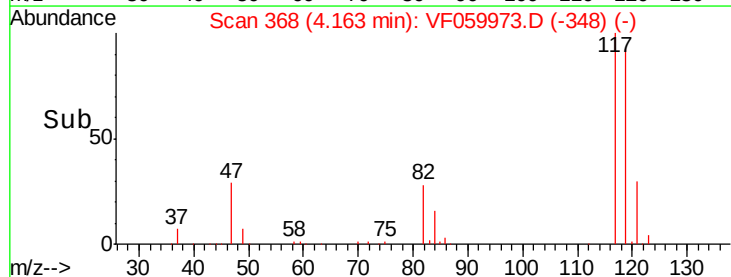
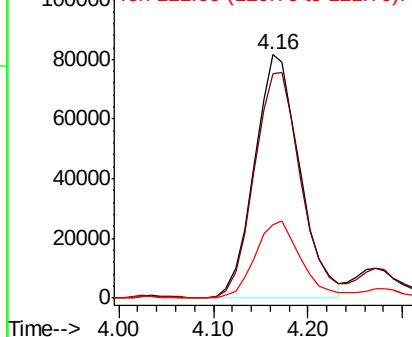


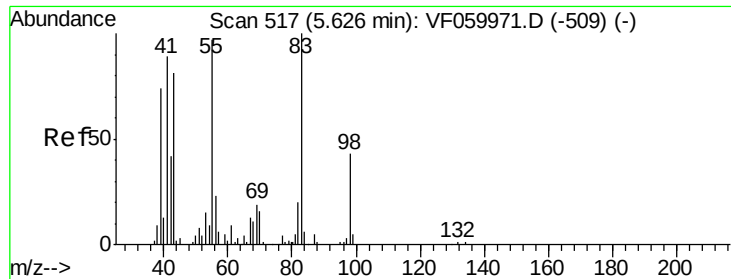
#38
Carbon Tetrachloride
Concen: 84.24 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	73.6	110.4
121	30.3	23.4	35.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





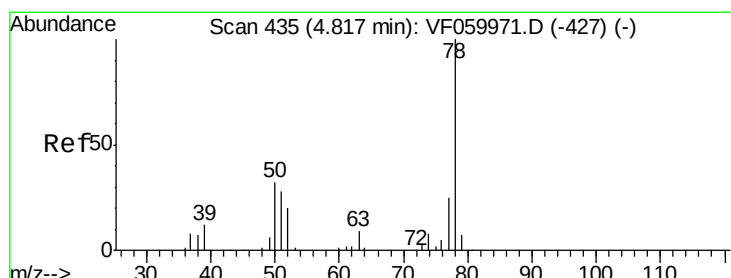
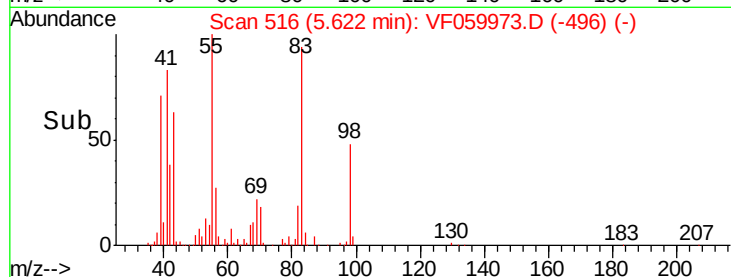
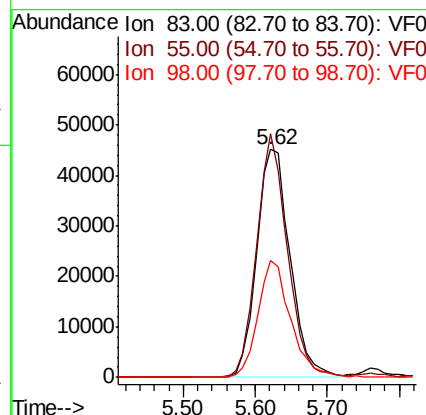
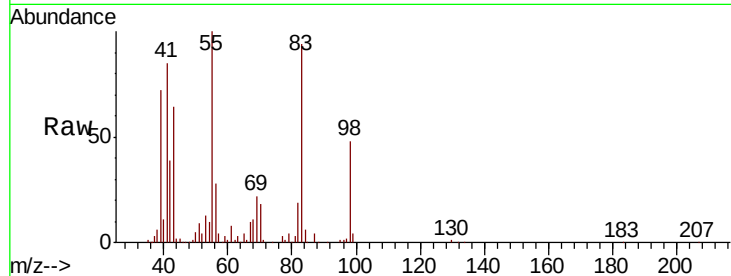
#39
Methylcyclohexane
Concen: 101.80 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	106.8	77.7	116.5
98	51.5	34.2	51.4#

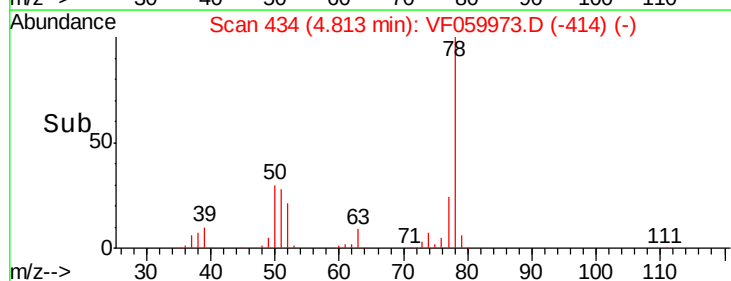
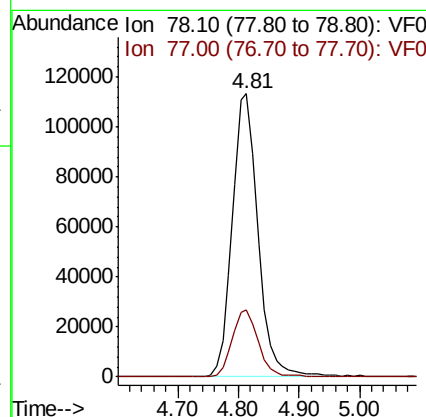
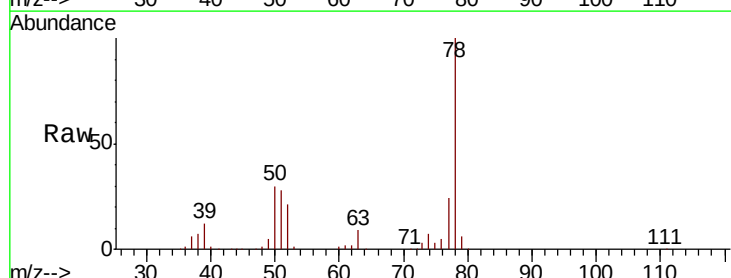
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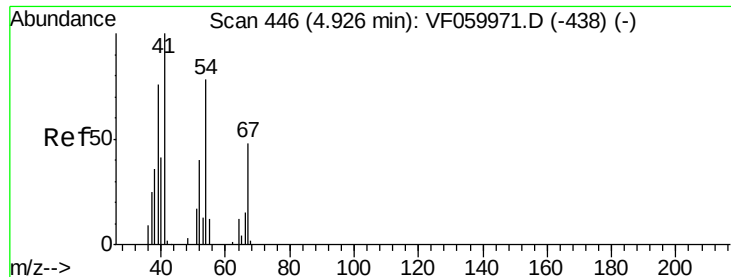
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#40
Benzene
Concen: 101.32 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	20.3	30.5





#41

Methacrylonitrile

Concen: 152.05 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

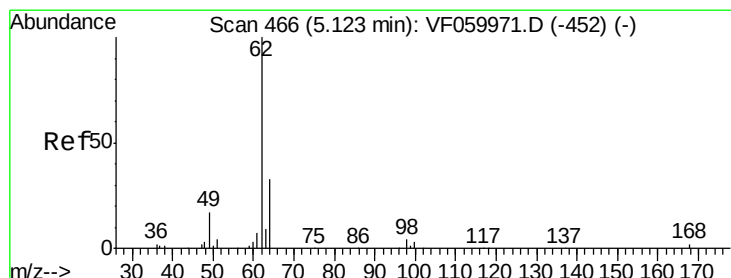
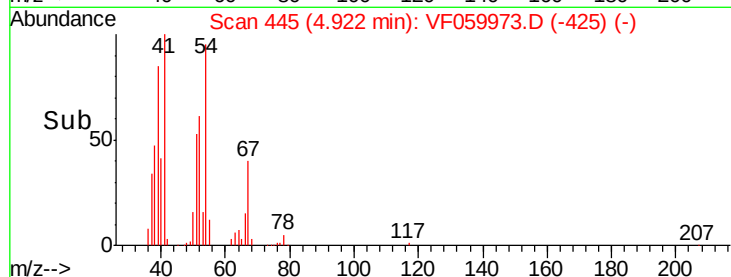
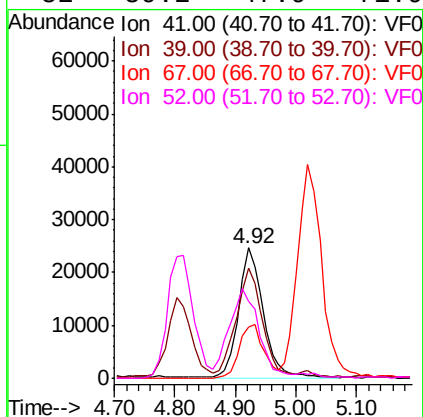
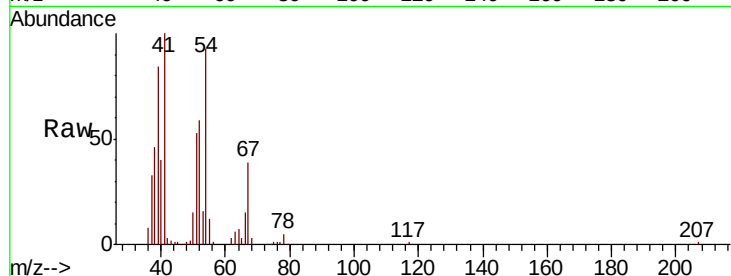
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	69524
Ion	Ratio	Lower	Upper
41	100		
39	84.0	69.9	104.9
67	39.2	38.6	58.0
52	59.2	47.9	71.9

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 112.53 ug/l

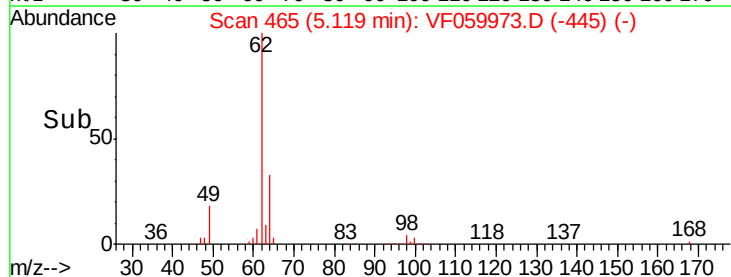
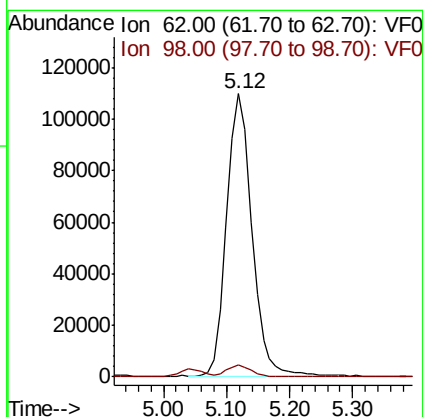
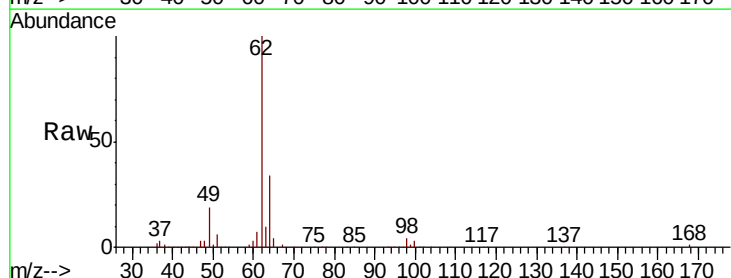
RT: 5.12 min Scan# 465

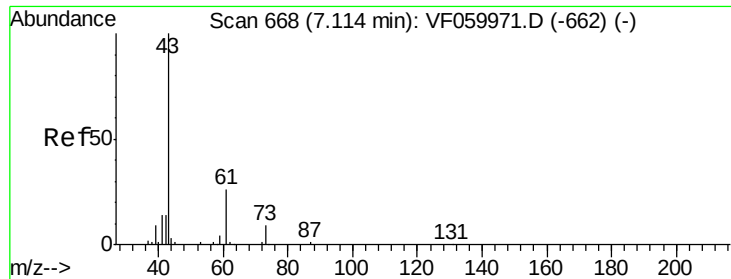
Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Tgt Ion:	62	Resp:	306212
Ion	Ratio	Lower	Upper
62	100		
98	4.2	0.0	8.2





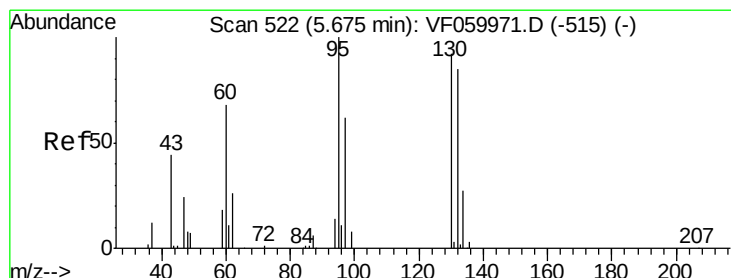
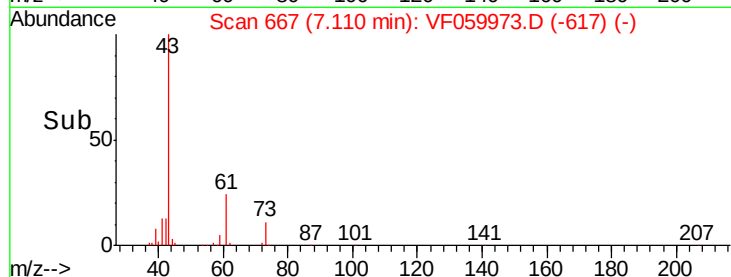
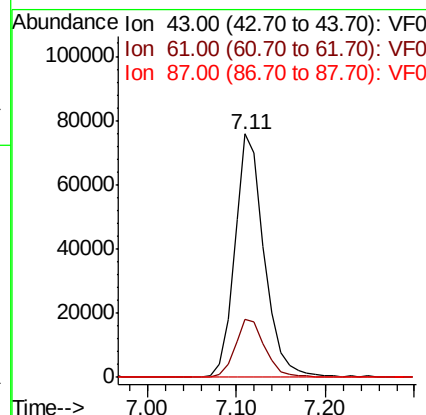
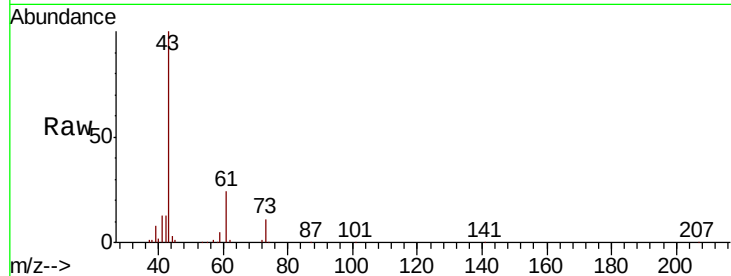
#43
Isopropyl Acetate
Concen: 166.25 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.7	20.8	31.2
87	0.4	0.5	0.7#

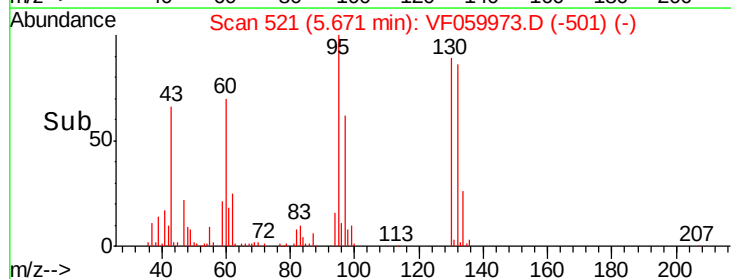
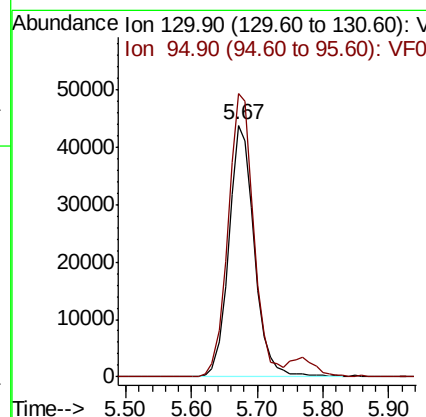
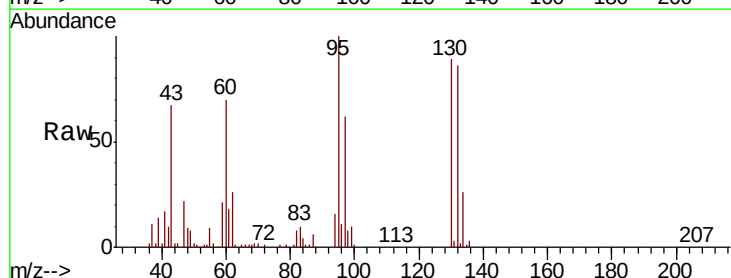
Manual Integrations
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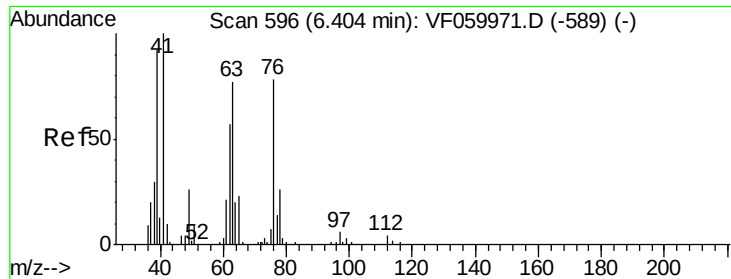
apatel
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#44
Trichloroethene
Concen: 92.80 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.5	0.0	218.4





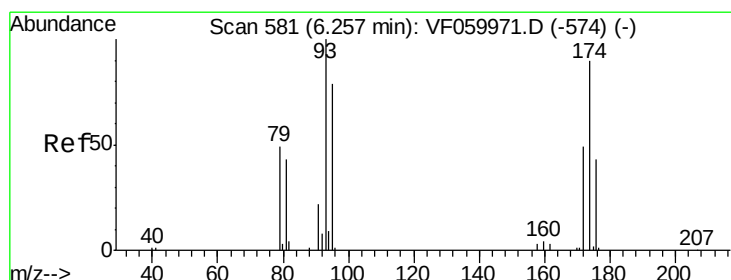
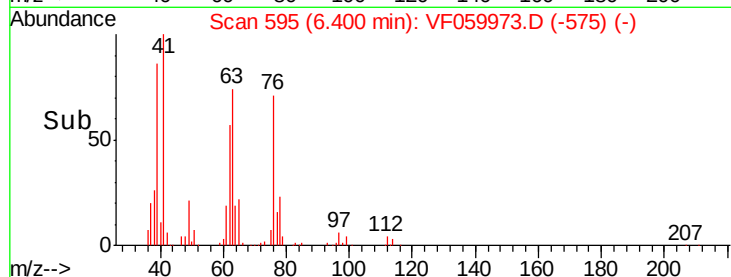
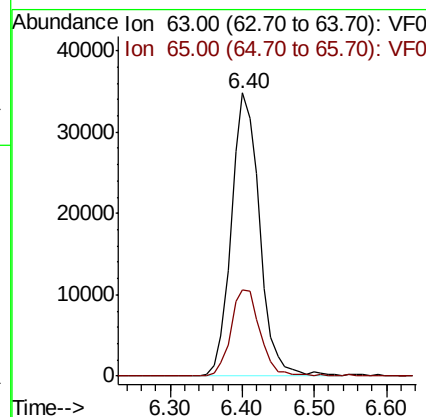
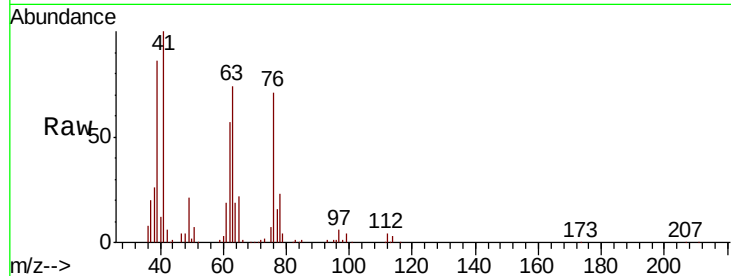
#45
 1,2-Dichloropropane
 Concen: 105.91 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 95040
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.8 35.6

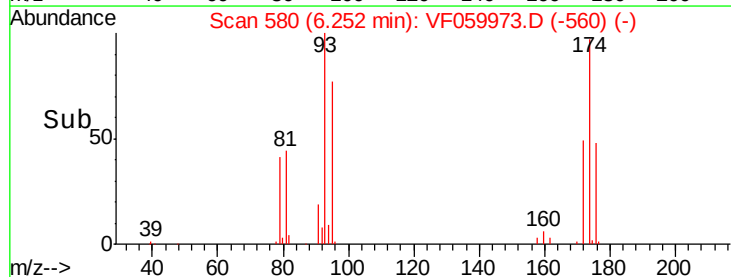
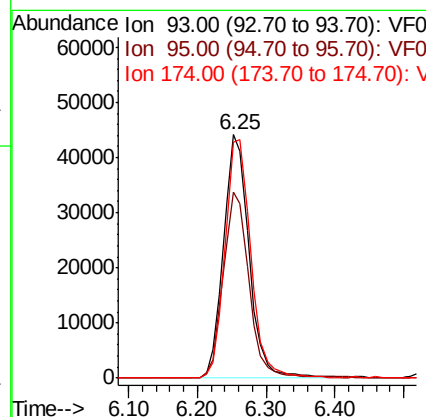
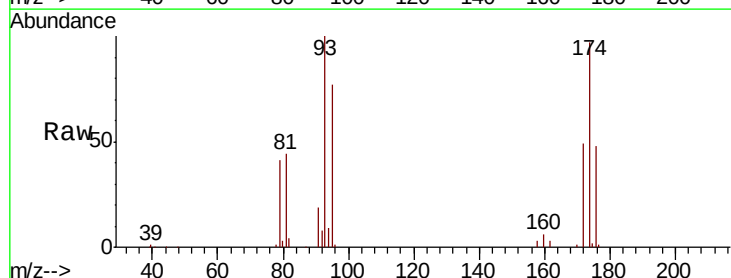
Manual Integrations
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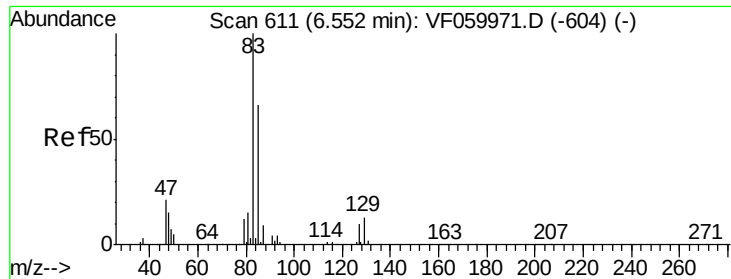
apatel
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#46
 Dibromomethane
 Concen: 125.07 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion: 93 Resp: 113720
 Ion Ratio Lower Upper
 93 100
 95 76.6 64.0 96.0
 174 99.4 71.8 107.8





#47

Bromodichloromethane

Concen: 104.40 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

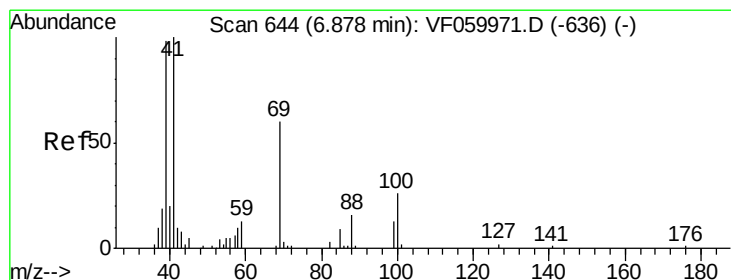
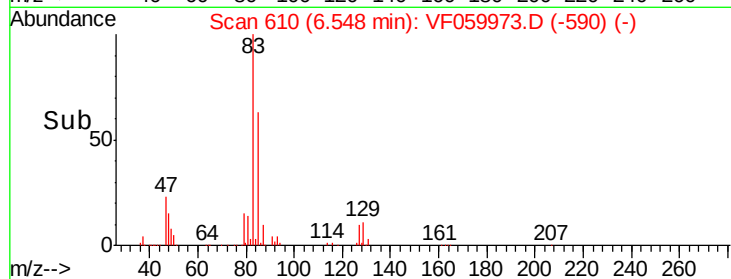
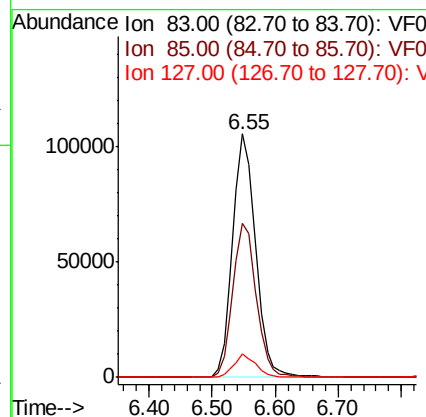
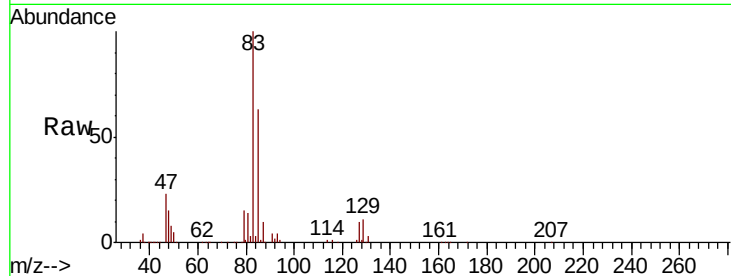
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	266434
Ion Ratio	Lower	Upper	
83	100		
85	63.2	53.2	79.8
127	9.7	8.4	12.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 166.58 ug/l

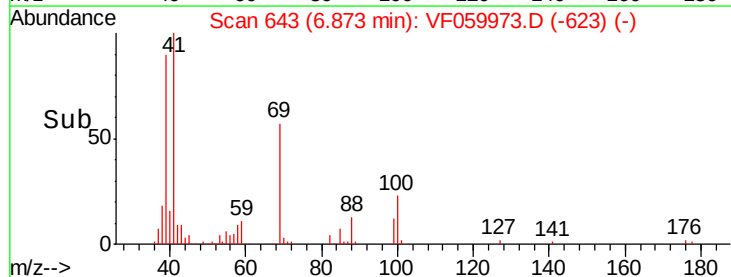
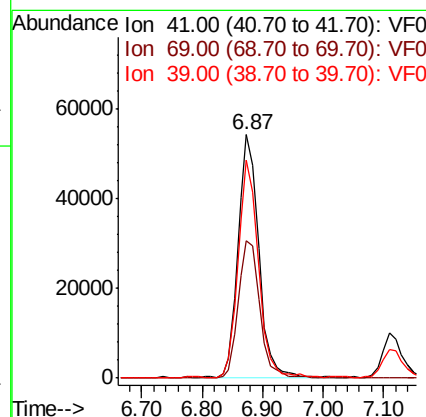
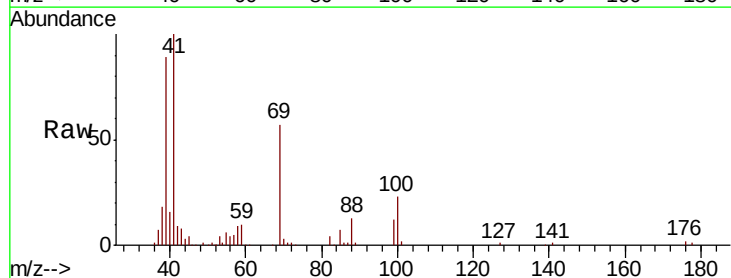
RT: 6.87 min Scan# 643

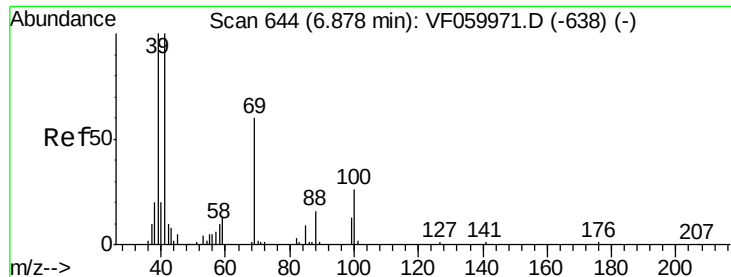
Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Tgt Ion:	41	Resp:	128363
Ion Ratio	Lower	Upper	
41	100		
69	56.6	48.1	72.1
39	89.3	79.3	118.9





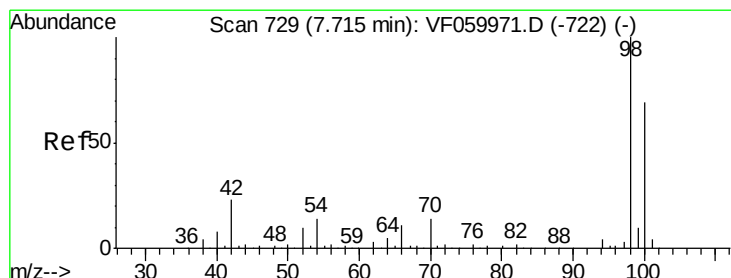
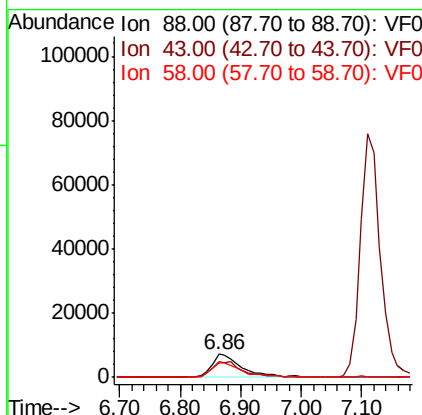
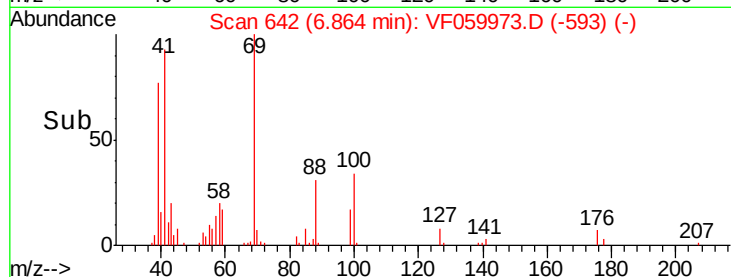
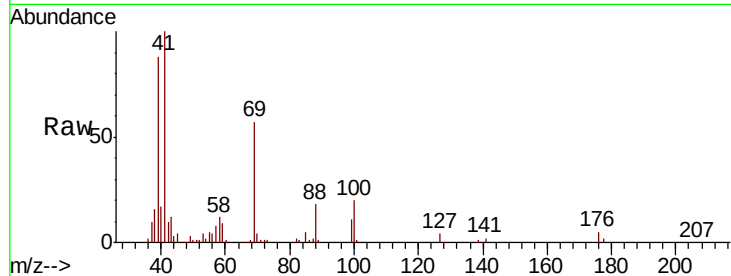
#49
1,4-Dioxane
Concen: 3996.15 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	66.5	45.3	67.9
58	65.2	51.2	76.8

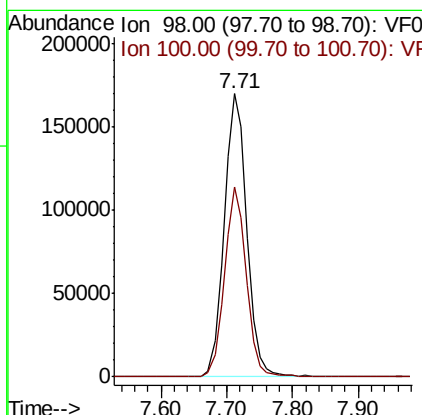
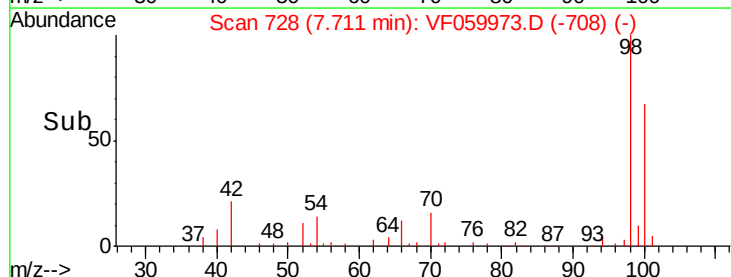
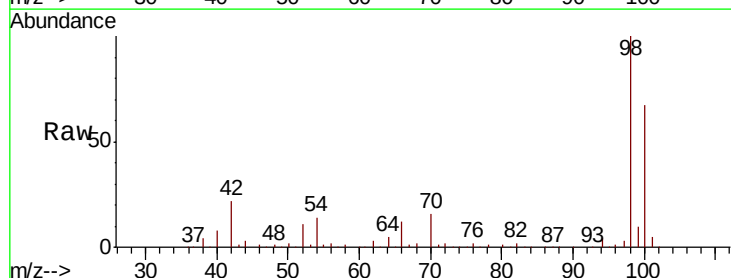
Manual Integrations
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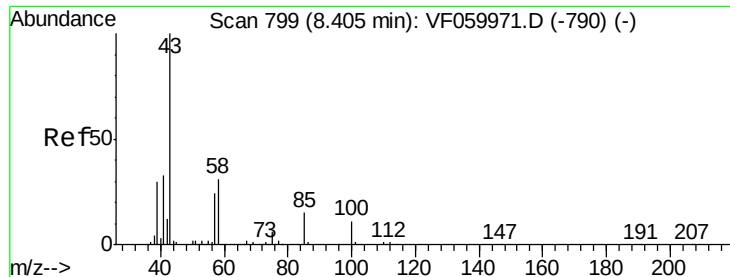
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#50
Toluene-d8
Concen: 103.67 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 748.94 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 746491

Ion Ratio Lower Upper

43 100

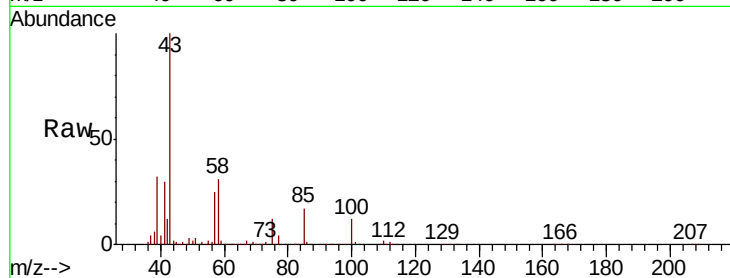
58 30.5 24.6 37.0

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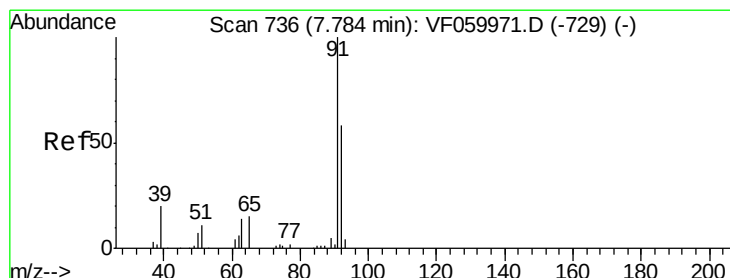
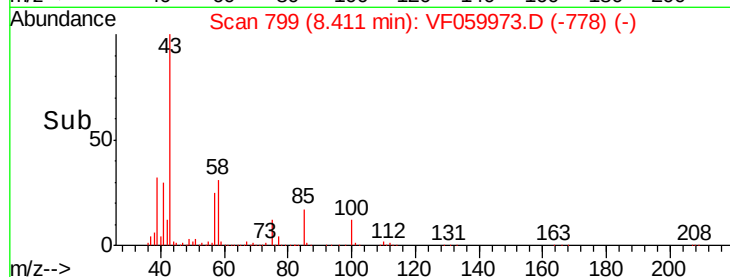
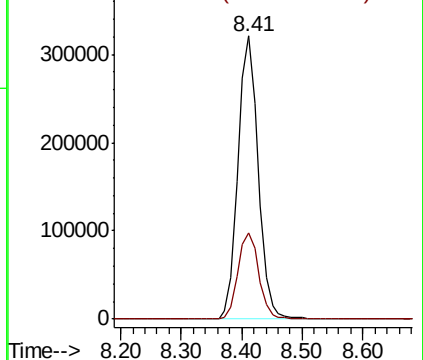
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 97.69 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059973.D

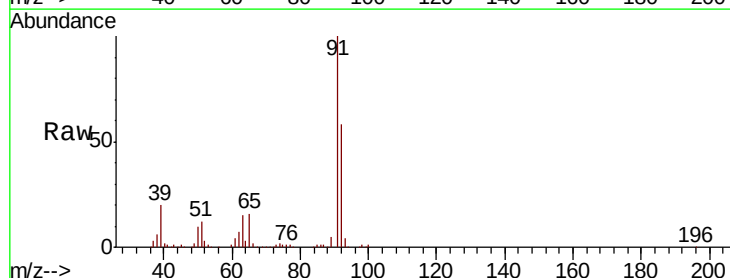
Acq: 16 Aug 2018 21:31

Tgt Ion: 92 Resp: 241957

Ion Ratio Lower Upper

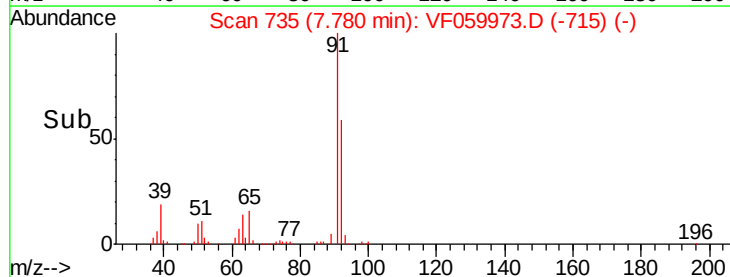
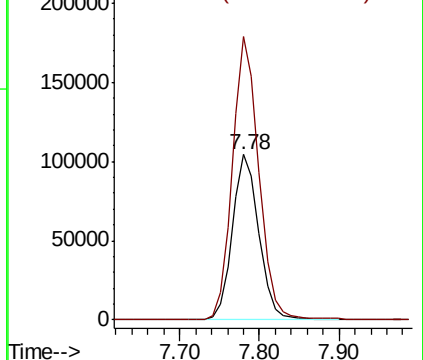
92 100

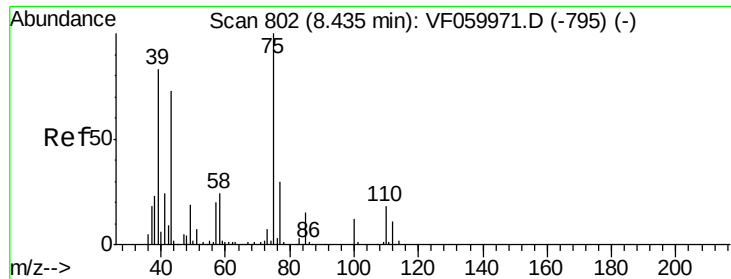
91 171.2 138.6 208.0



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: 112.39 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 238158

Ion Ratio Lower Upper

75 100

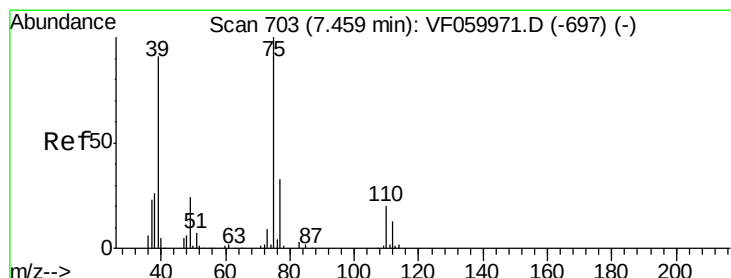
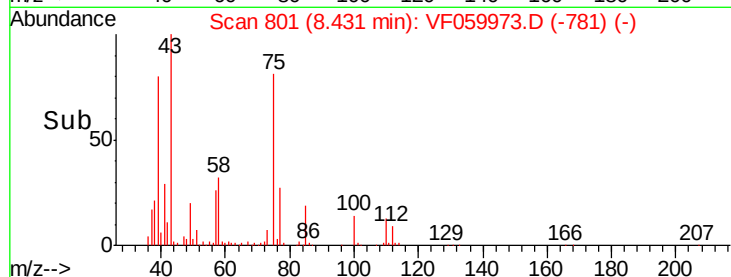
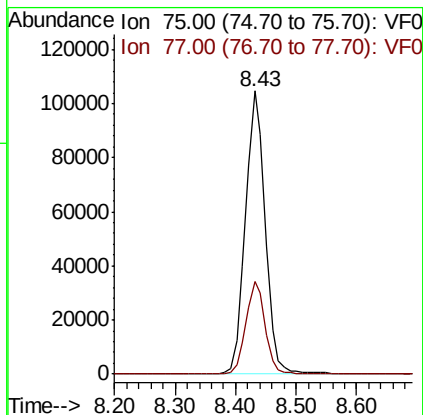
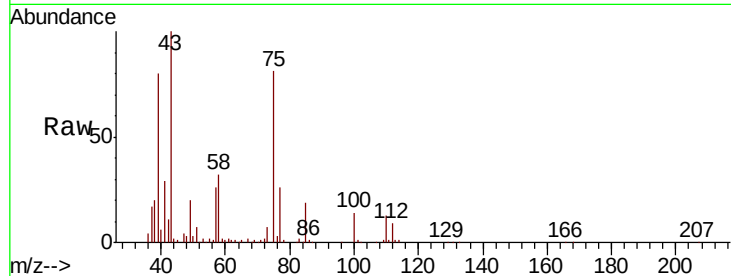
77 32.6 23.5 35.3

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#54

cis-1,3-Dichloropropene

Concen: 109.94 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

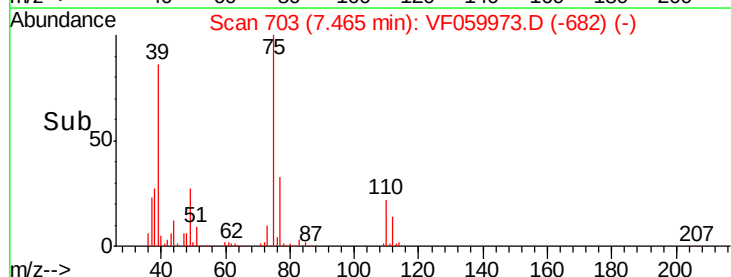
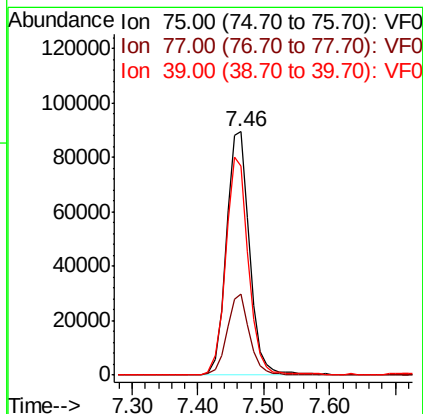
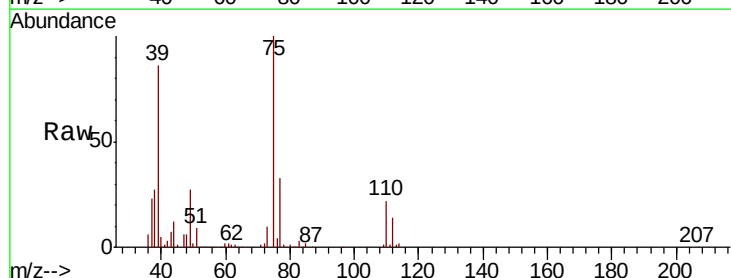
Tgt Ion: 75 Resp: 220459

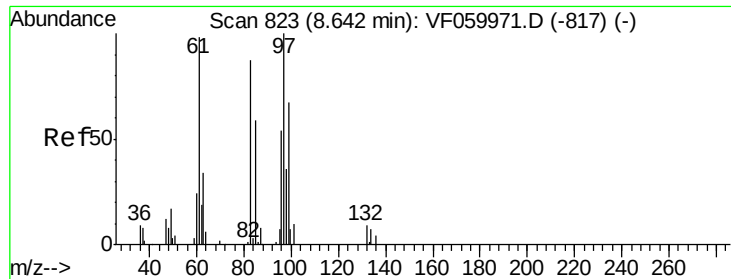
Ion Ratio Lower Upper

75 100

77 33.1 26.2 39.4

39 86.1 73.2 109.8





#55

1,1,2-Trichloroethane

Concen: 134.53 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

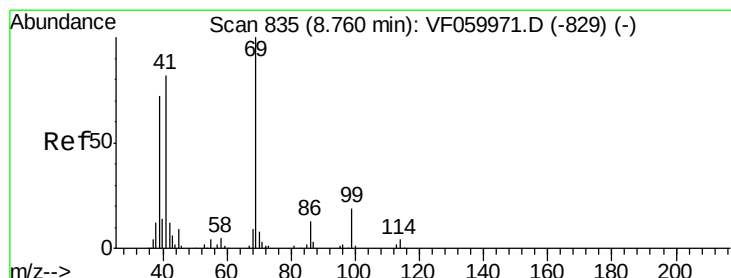
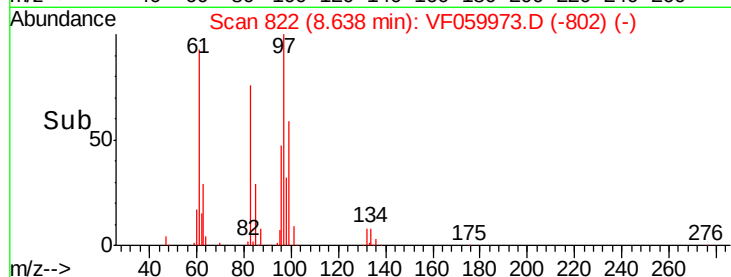
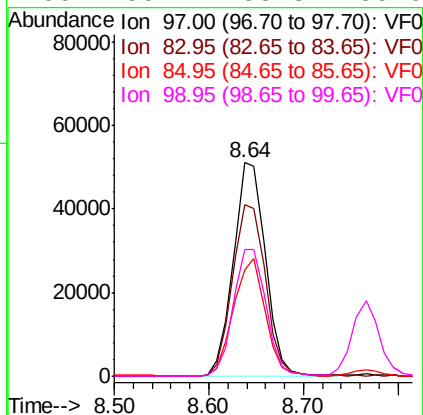
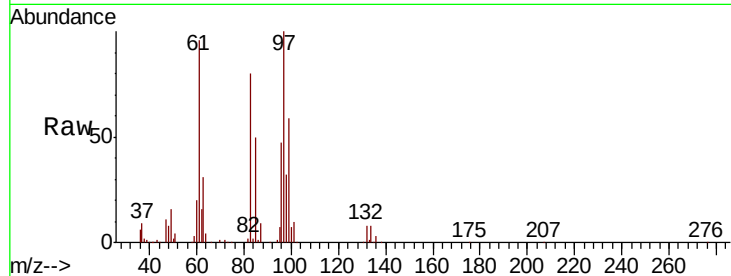
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	120553
Ion	Ratio	Lower	Upper
97	100		
83	80.1	69.7	104.5
85	49.5	47.4	71.2
99	59.4	53.8	80.6

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#56

Ethyl methacrylate

Concen: 153.30 ug/l

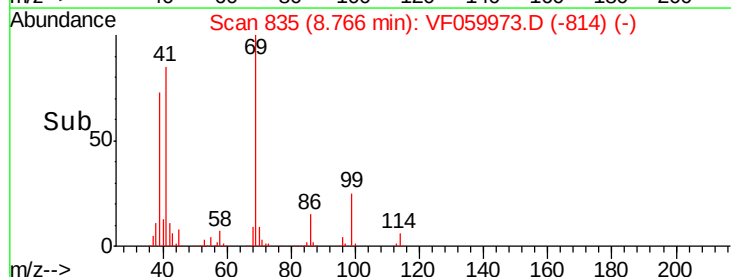
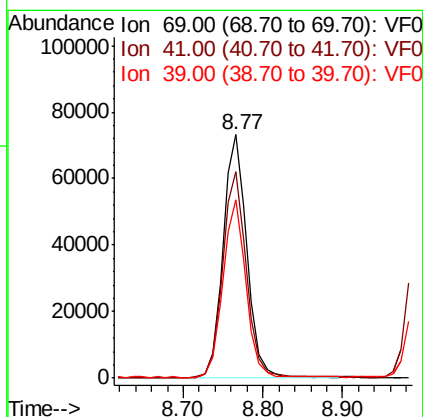
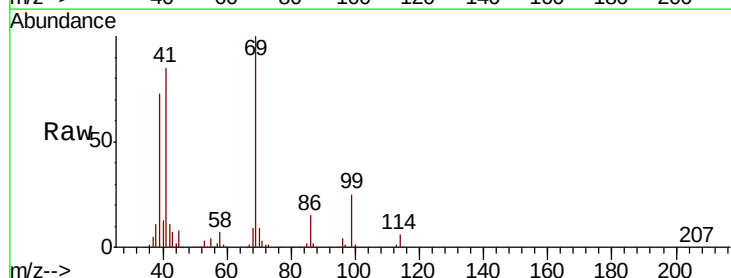
RT: 8.77 min Scan# 835

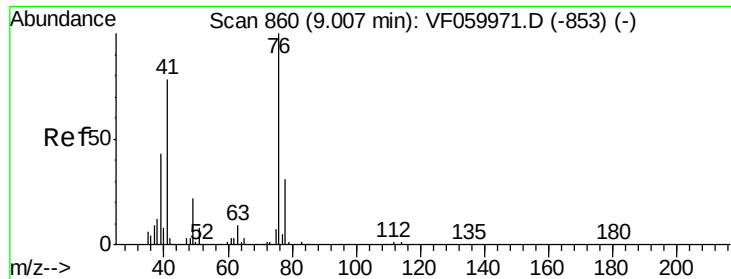
Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Tgt Ion:	69	Resp:	153617
Ion	Ratio	Lower	Upper
69	100		
41	85.0	65.6	98.4
39	73.1	58.1	87.1





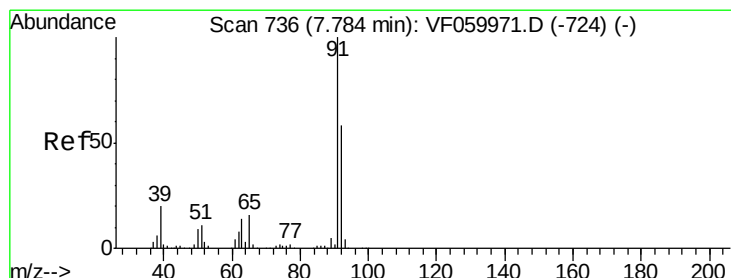
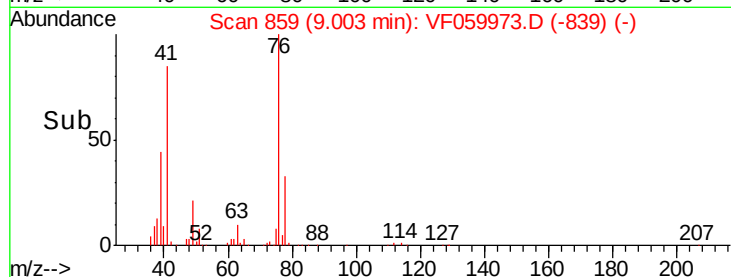
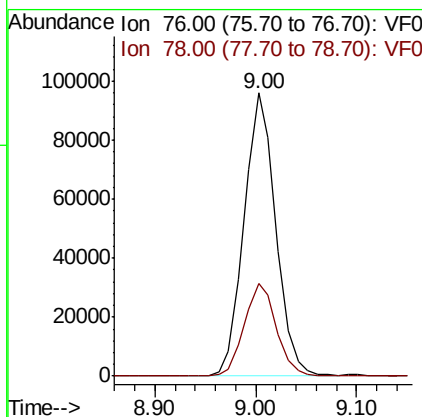
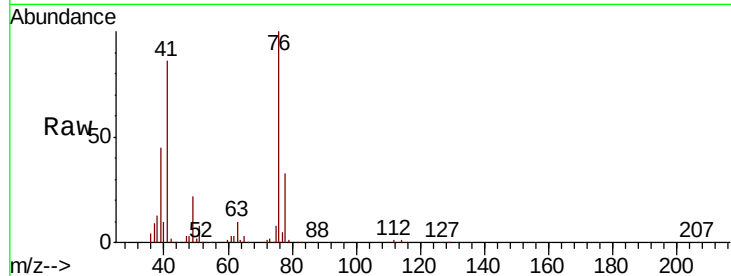
#57
 1,3-Dichloropropane
 Concen: 128.00 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 210116
 Ion Ratio Lower Upper
 76 100
 78 32.7 24.7 37.1

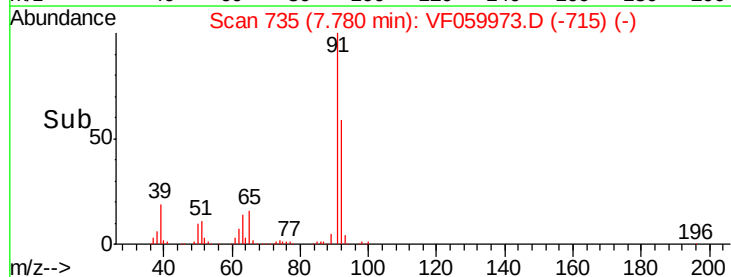
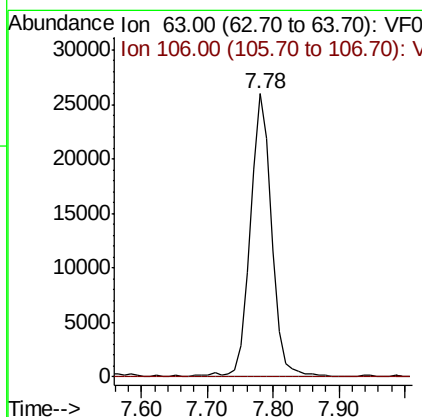
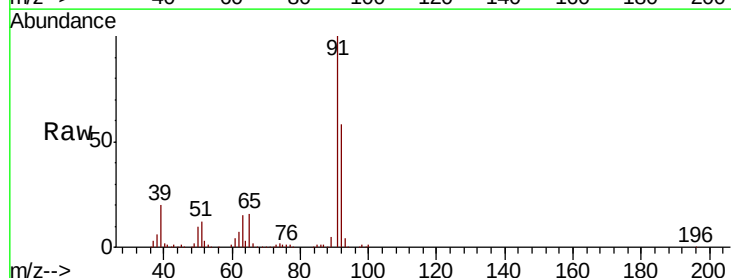
Manual Integrations
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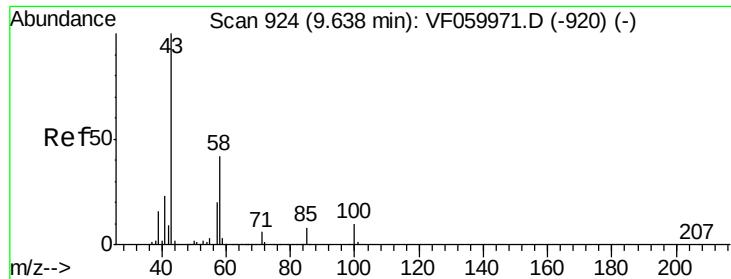
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#58
 2-Chloroethyl Vinyl ether
 Concen: 487.76 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion: 63 Resp: 59560
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





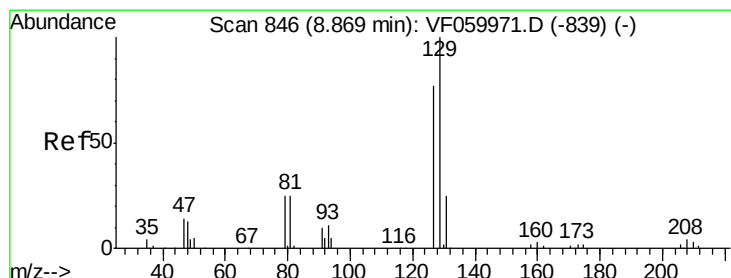
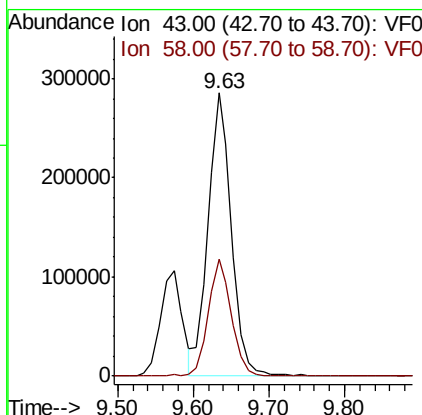
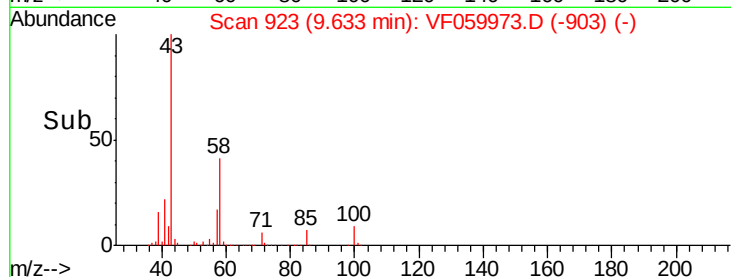
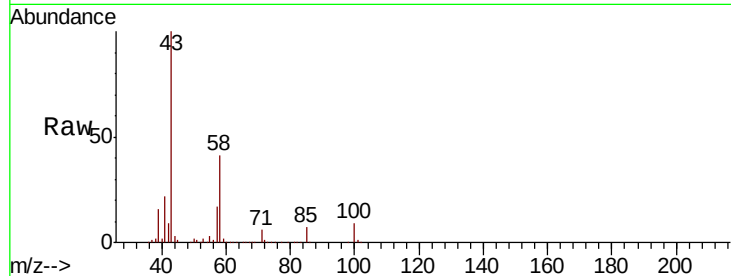
#59
2-Hexanone
Concen: 818.41 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.3	19.8	59.3

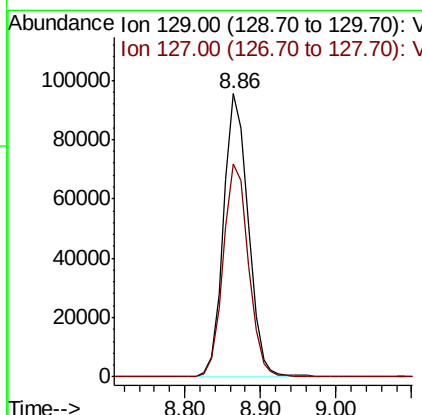
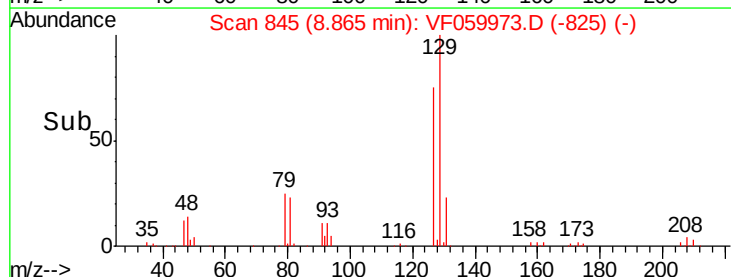
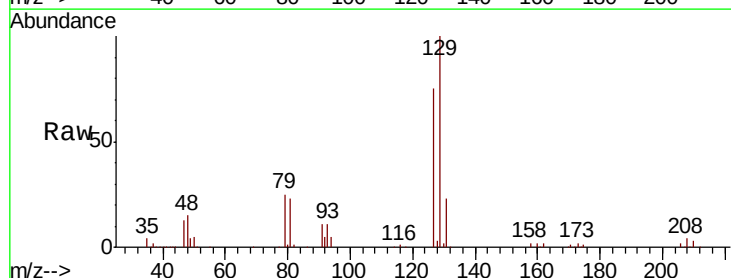
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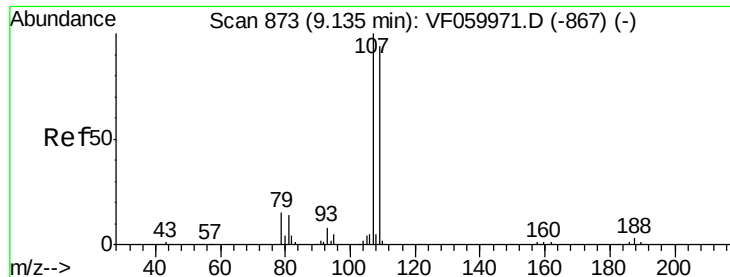
apatel
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#60
Dibromochloromethane
Concen: 124.15 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.4	115.2





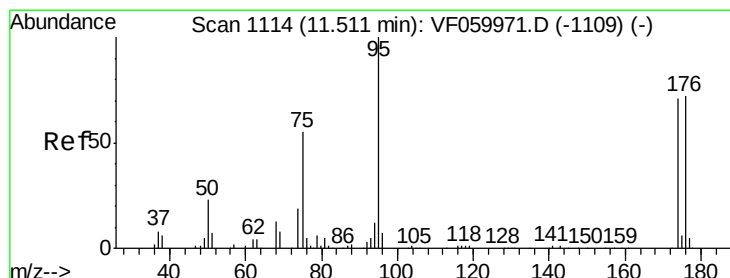
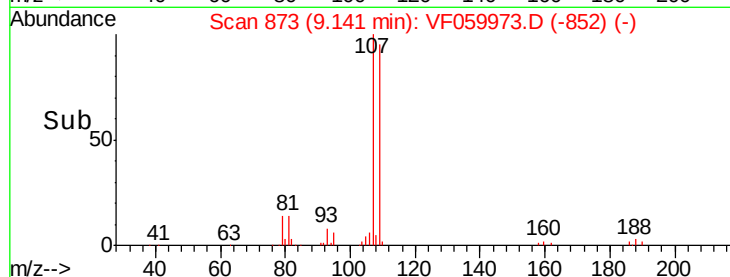
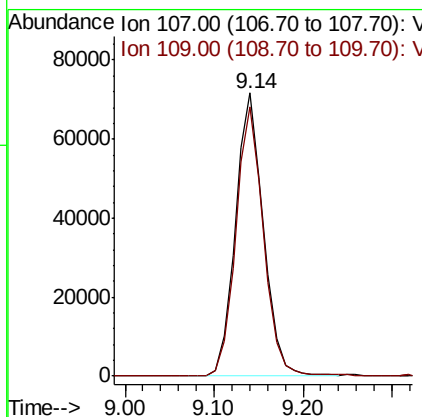
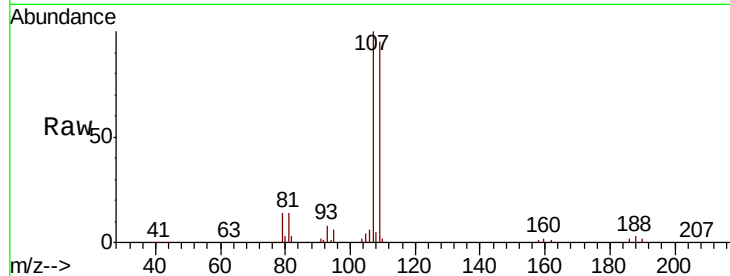
#61
 1,2-Dibromoethane
 Concen: 137.57 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.4	113.0

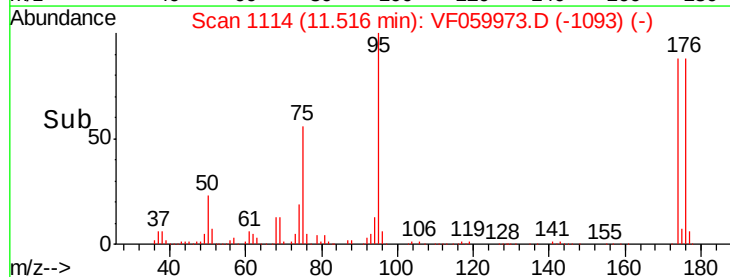
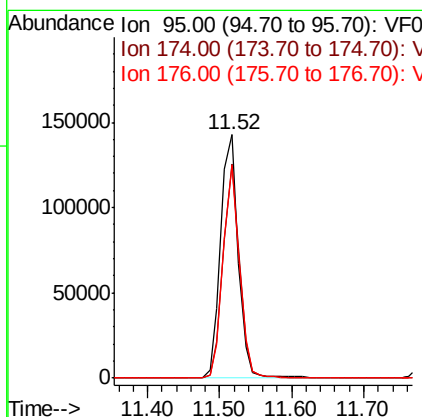
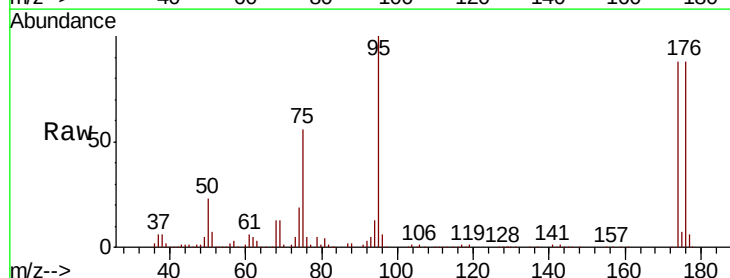
Manual Integrations
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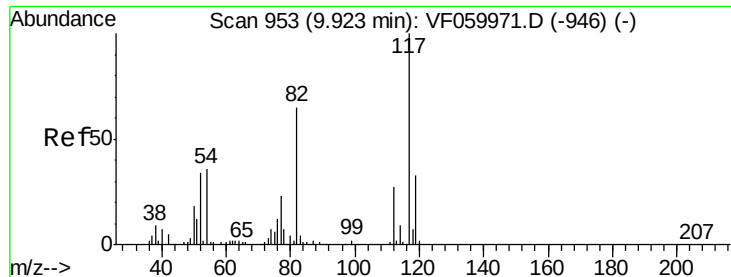
apatel
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#62
 4-Bromofluorobenzene
 Concen: 108.57 ug/l
 RT: 11.52 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	142.8
176	87.6	0.0	143.4





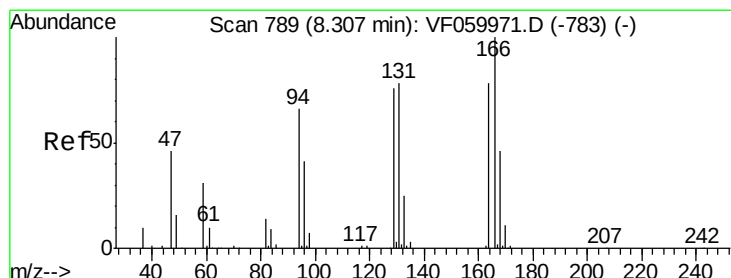
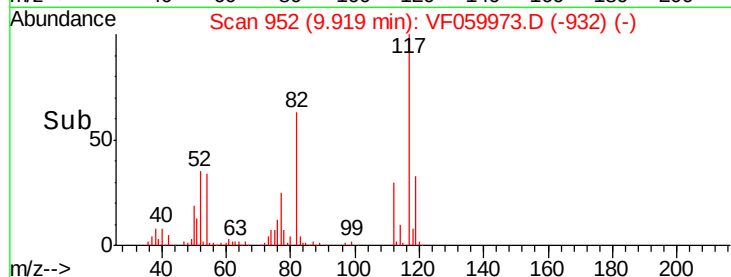
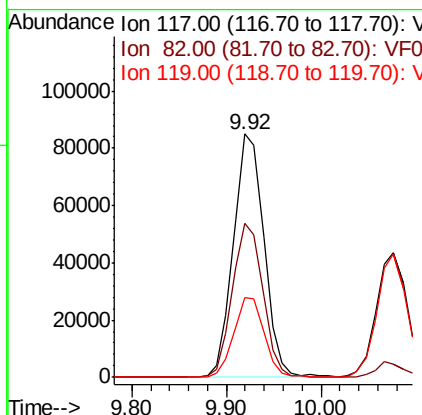
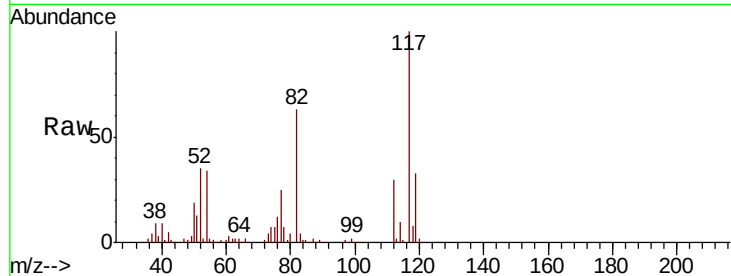
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	191856		
82	63.1	52.0	78.0	
119	32.7	26.6	39.8	

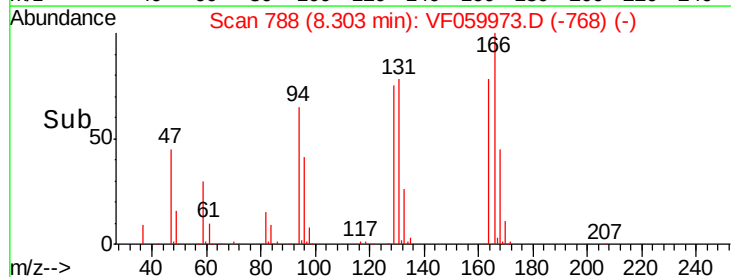
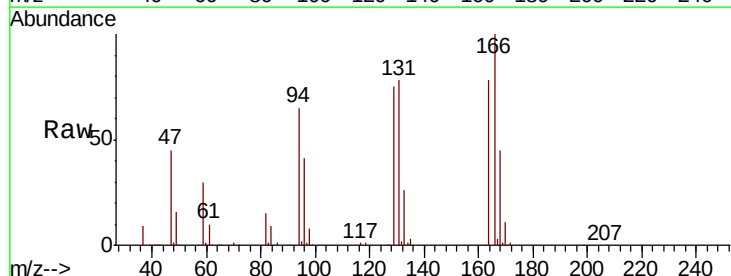
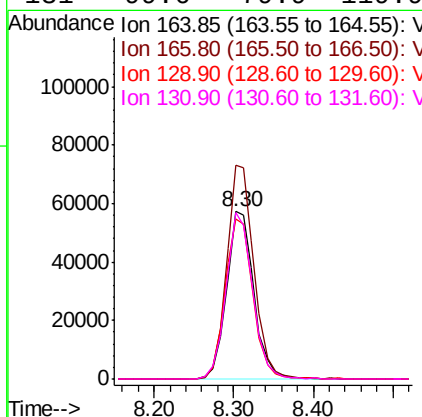
Manual Integrations
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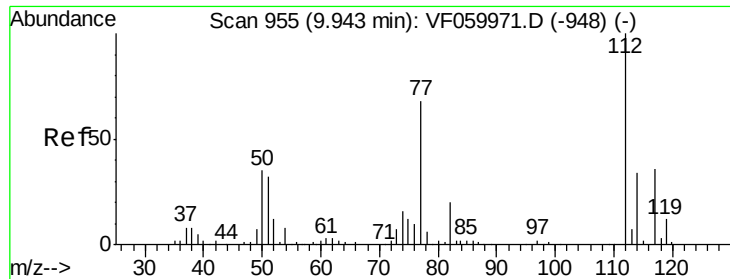
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#64
Tetrachloroethene
Concen: 92.07 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	137181		
166	127.7	102.2	153.2	
129	95.9	77.8	116.6	
131	99.6	79.9	119.9	





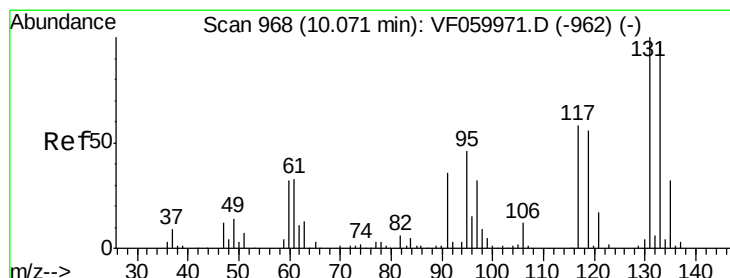
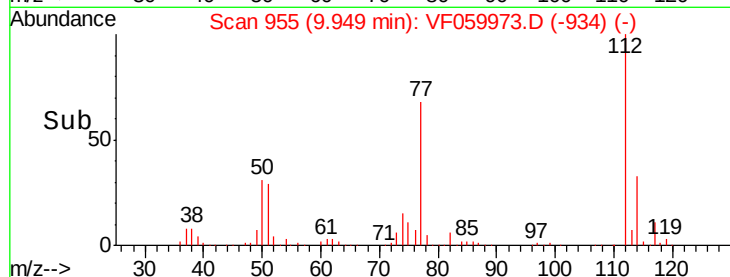
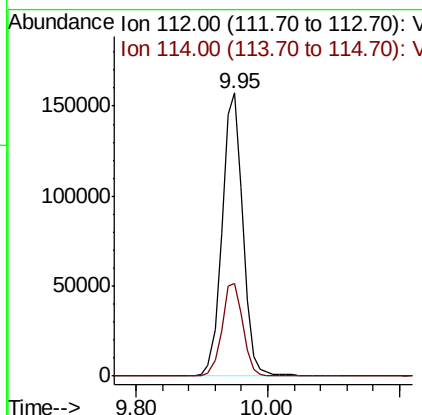
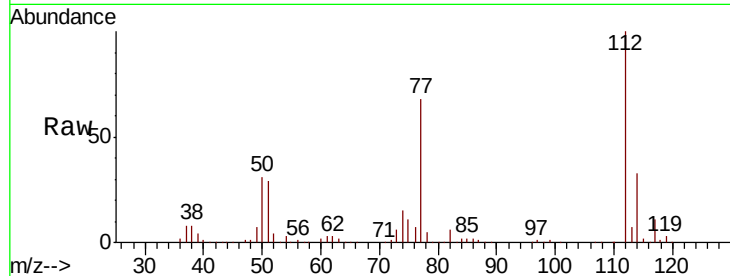
#65
Chlorobenzene
Concen: 93.45 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 345955
Ion Ratio Lower Upper
112 100
114 32.9 27.0 40.4

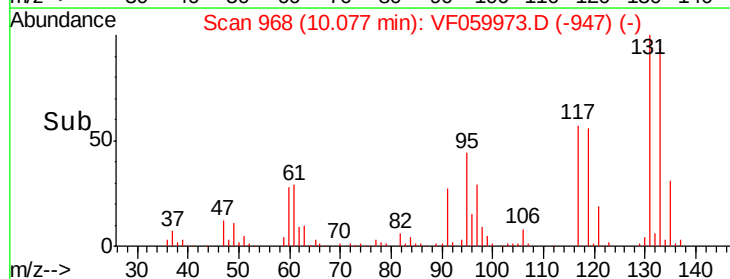
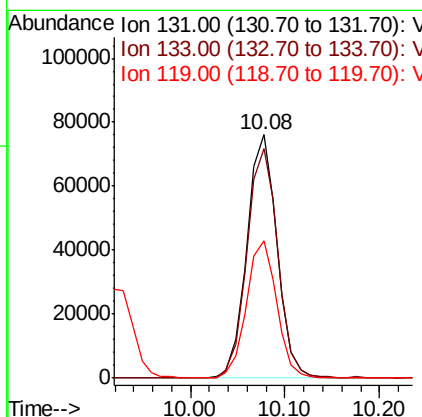
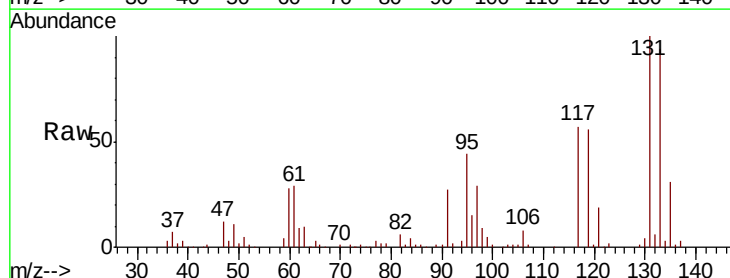
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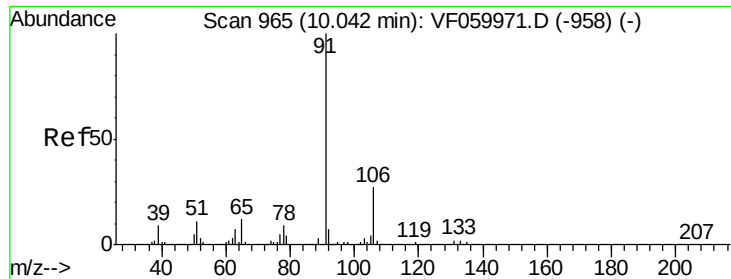
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#66
1,1,1,2-Tetrachloroethane
Concen: 94.21 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion:131 Resp: 168233
Ion Ratio Lower Upper
131 100
133 94.2 48.5 145.6
119 56.4 28.4 85.2





#67

Ethyl Benzene

Concen: 94.03 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 616568

Ion Ratio Lower Upper

91 100

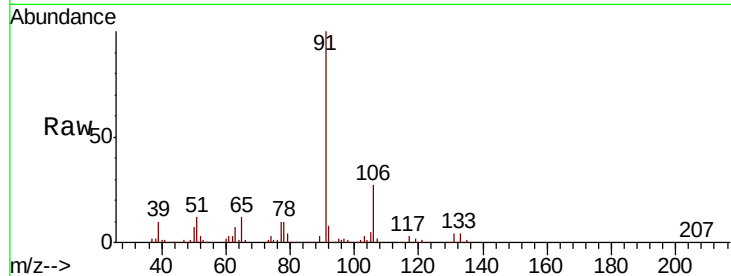
106 27.3 21.8 32.8

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

500000

400000

300000

200000

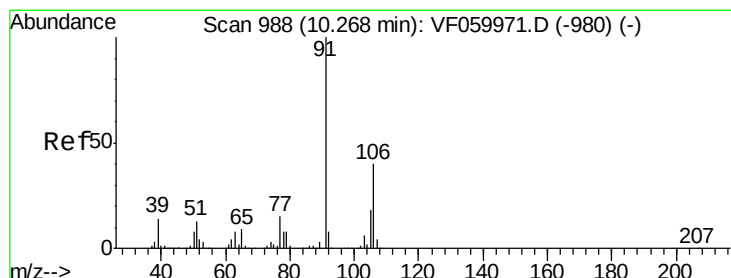
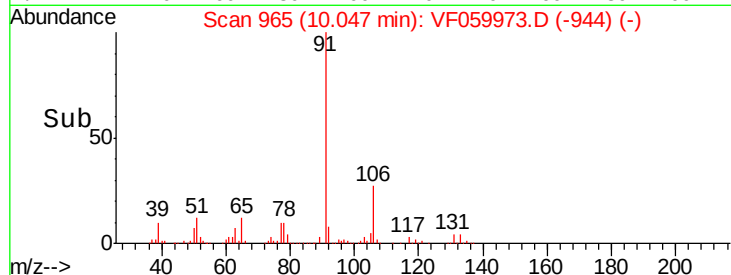
100000

0

10.05

10.20

Time-->



#68

m/p-Xylenes

Concen: 192.49 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059973.D

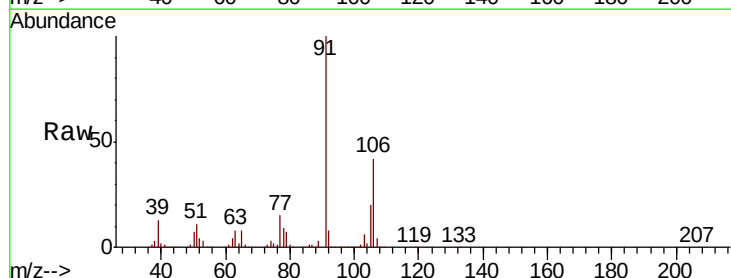
Acq: 16 Aug 2018 21:31

Tgt Ion: 106 Resp: 425326

Ion Ratio Lower Upper

106 100

91 238.9 198.0 297.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

500000

400000

300000

200000

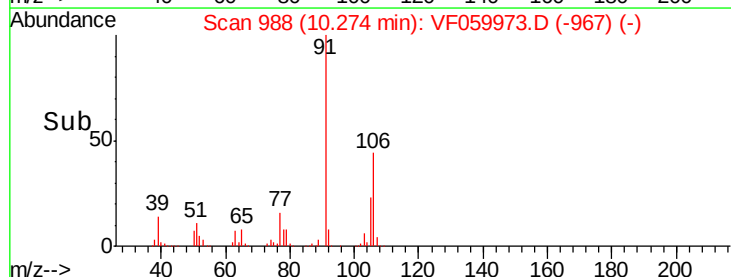
100000

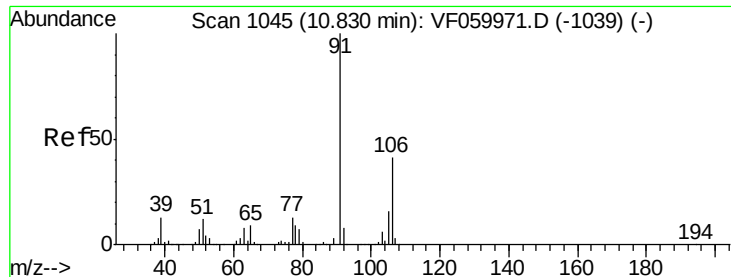
0

10.27

10.40

Time-->





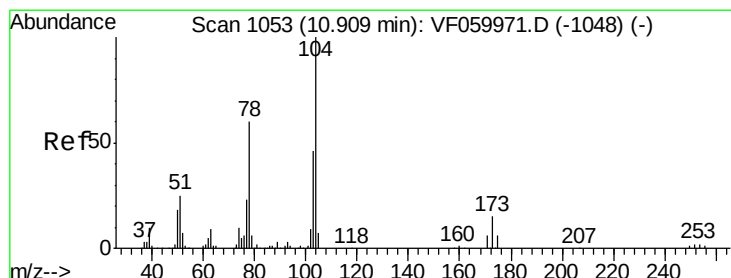
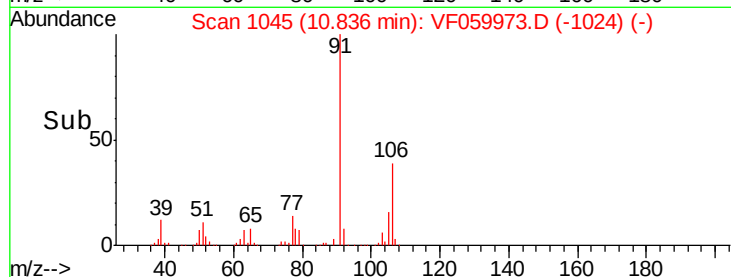
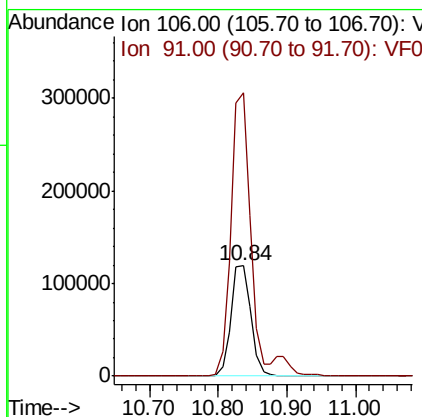
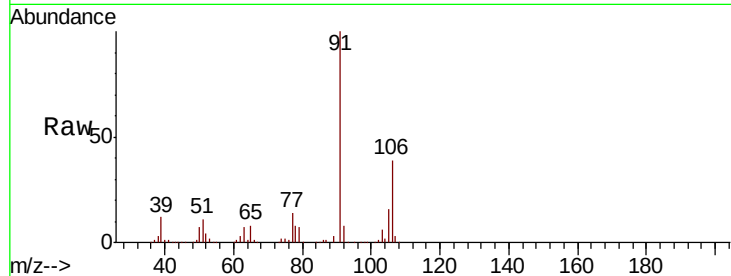
#69
o-Xylene
Concen: 100.17 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	256.3	121.9	365.7

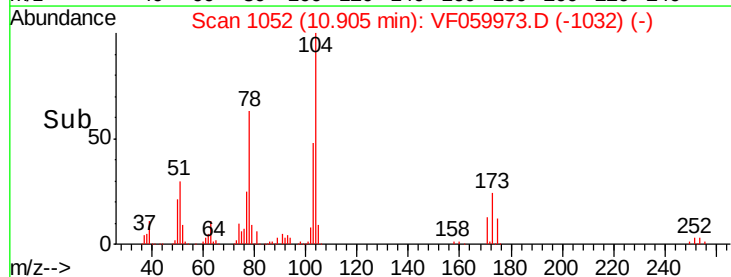
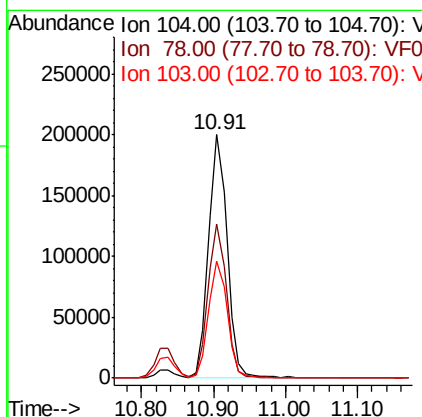
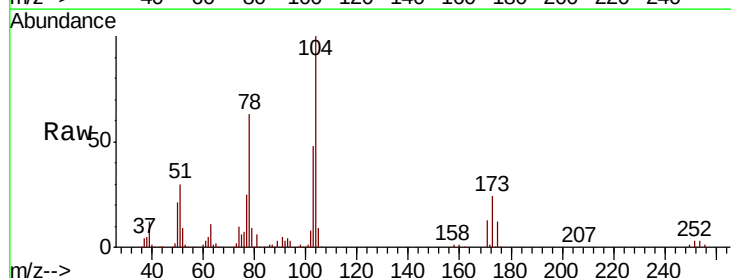
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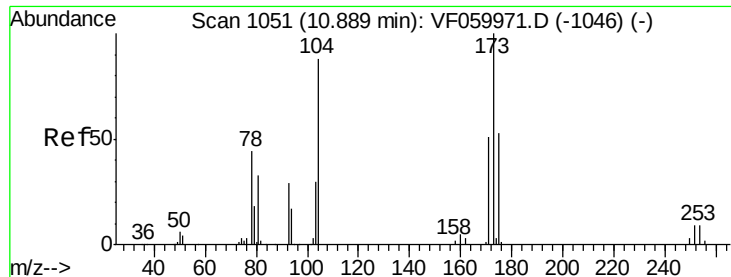
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#70
Styrene
Concen: 99.79 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	63.1	49.0	73.4
103	48.1	37.5	56.3





#71

Bromoform

Concen: 126.93 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 149622

Ion Ratio Lower Upper

173 100

175 48.8 26.3 78.8

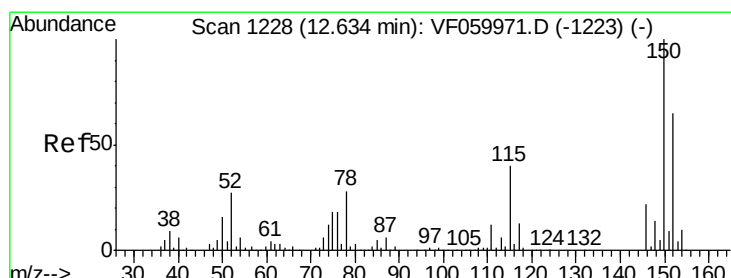
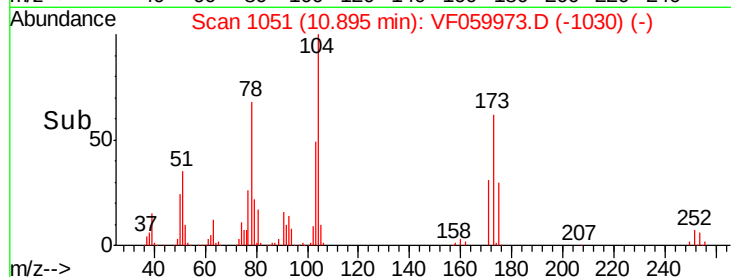
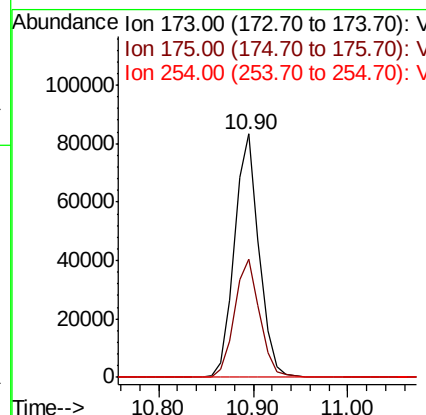
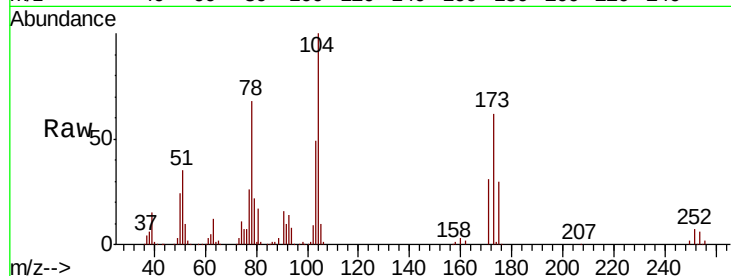
254 0.3 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

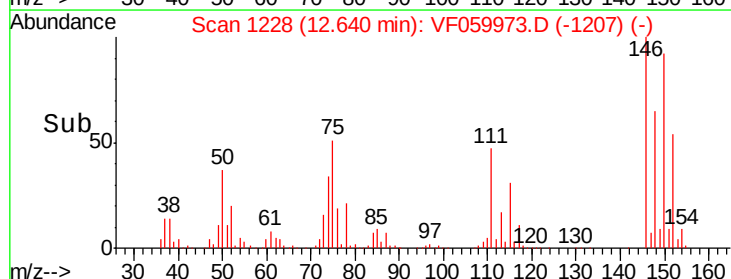
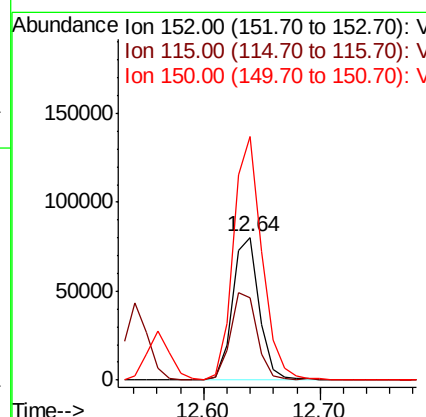
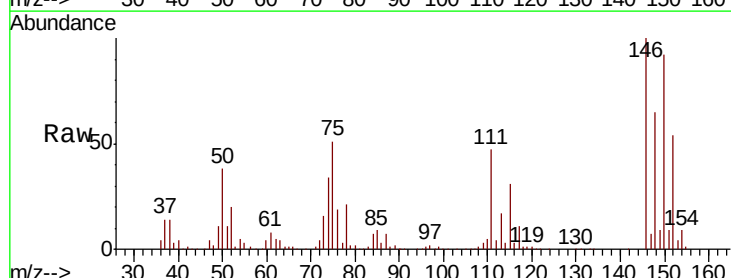
Tgt Ion:152 Resp: 127794

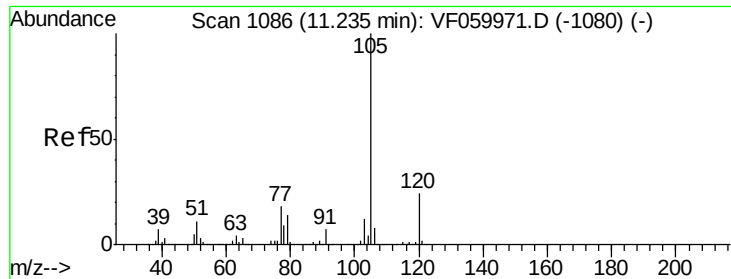
Ion Ratio Lower Upper

152 100

115 58.0 30.6 92.0

150 170.3 0.0 308.2





#73

Isopropylbenzene

Concen: 93.43 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 738182

Ion Ratio Lower Upper

105 100

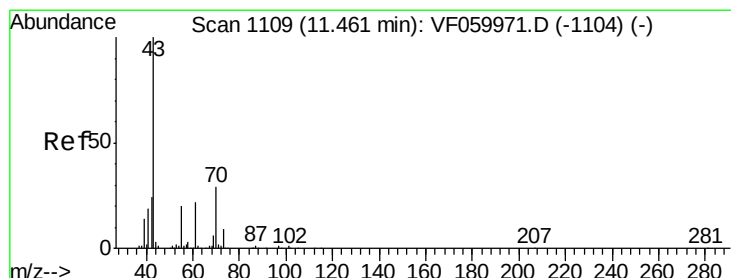
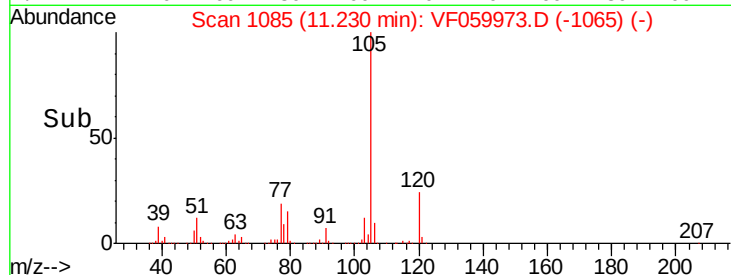
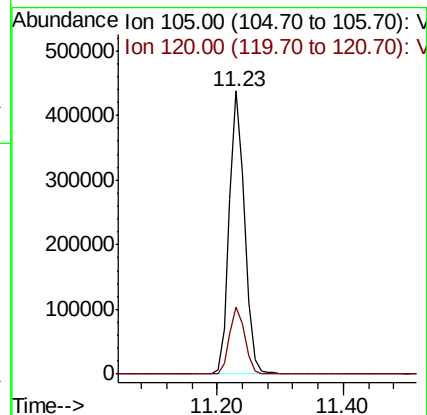
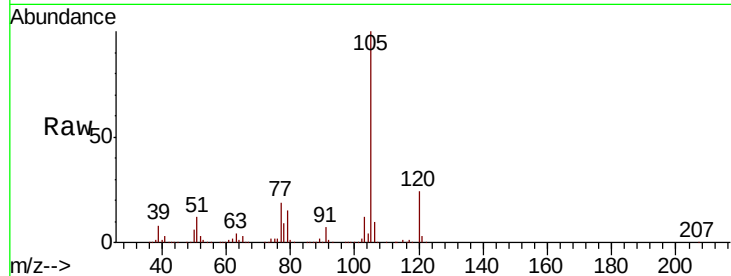
120 23.8 11.9 35.5

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#74

N-ethyl acetate

Concen: 148.44 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Tgt Ion: 43 Resp: 284280

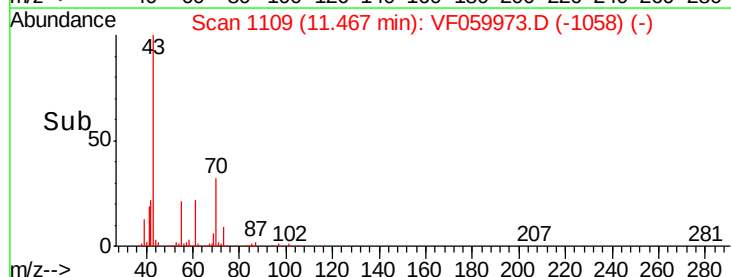
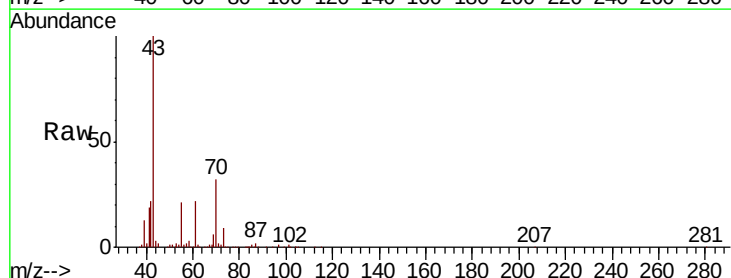
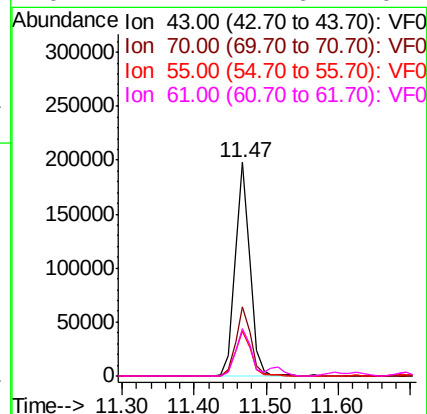
Ion Ratio Lower Upper

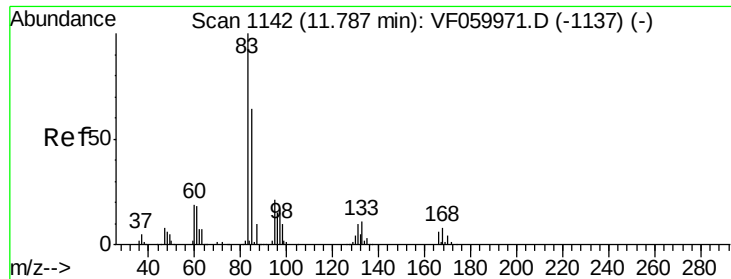
43 100

70 32.1 23.2 34.8

55 21.1 15.8 23.8

61 22.4 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 123.34 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

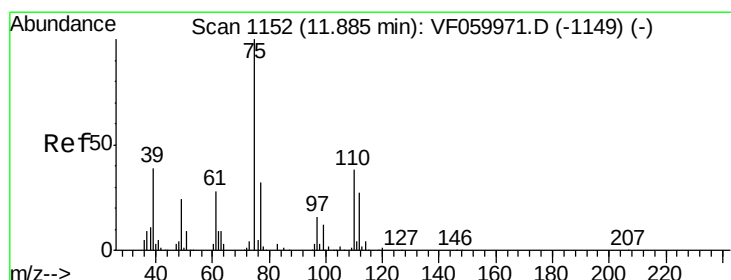
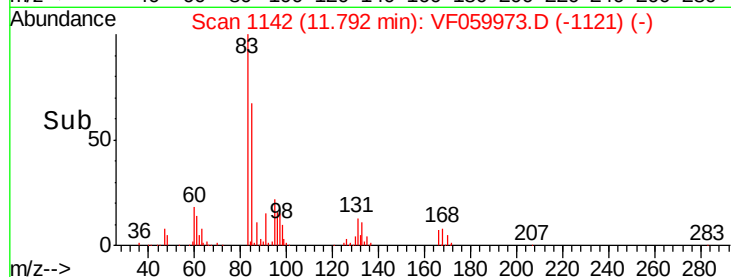
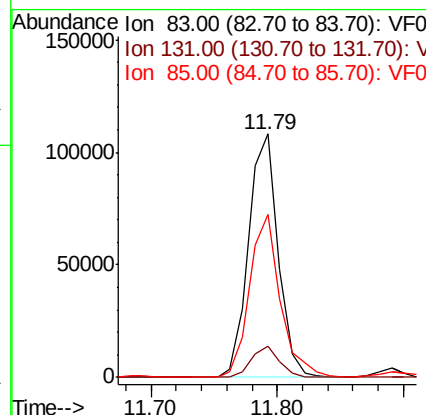
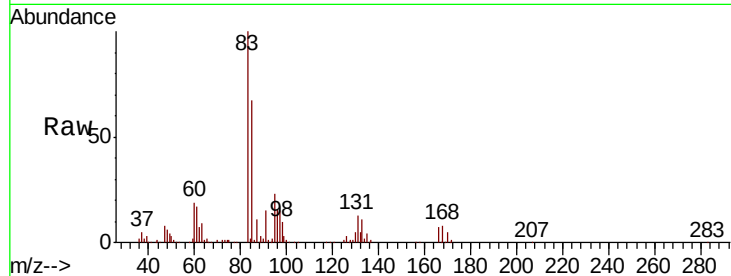
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	176449
Ion Ratio	Lower	Upper	
83	100		
131	12.9	5.1	15.4
85	66.8	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 132.03 ug/l

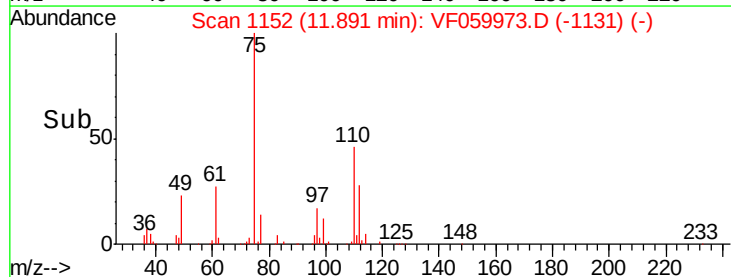
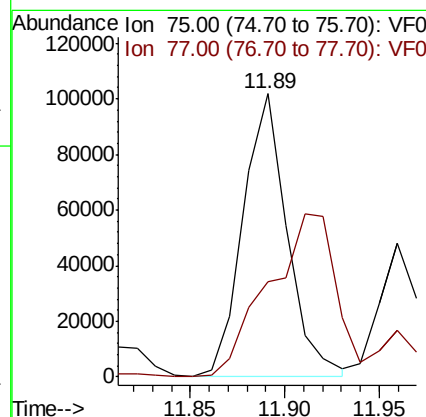
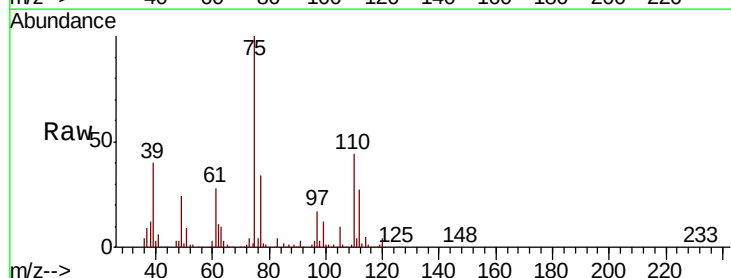
RT: 11.89 min Scan# 1152

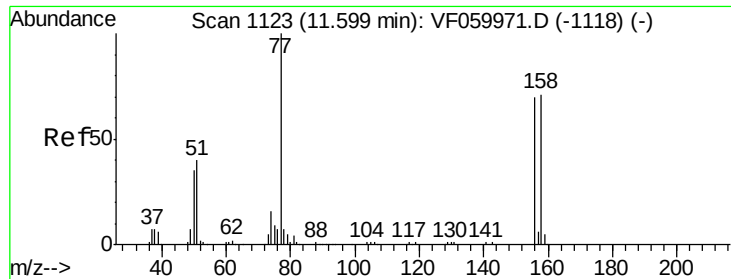
Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Tgt Ion:	75	Resp:	163782
Ion Ratio	Lower	Upper	
75	100		
77	33.8	16.2	48.5





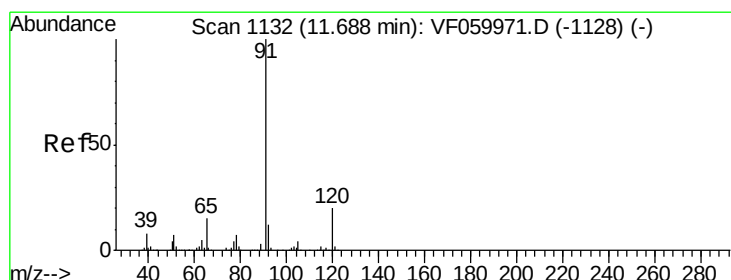
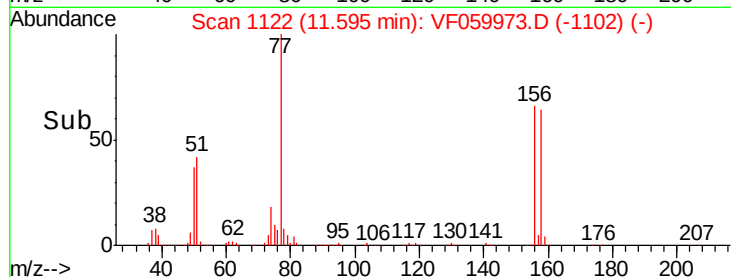
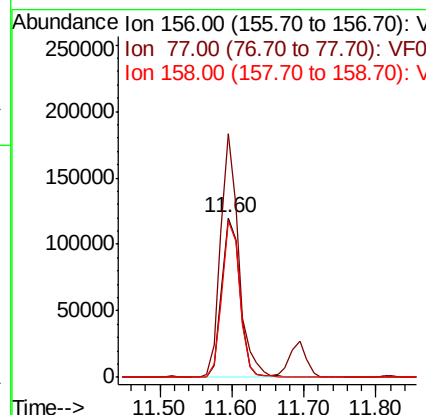
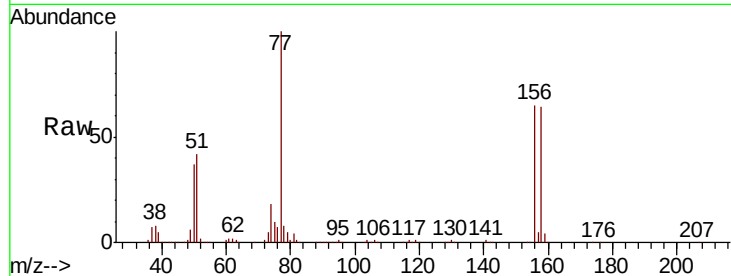
#77
Bromobenzene
Concen: 98.33 ug/l
RT: 11.60 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.7	71.9	215.6
158	98.4	51.2	153.6

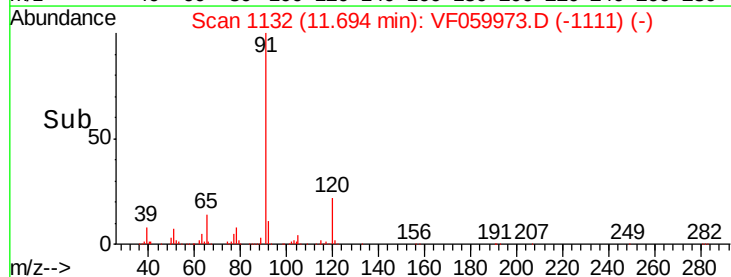
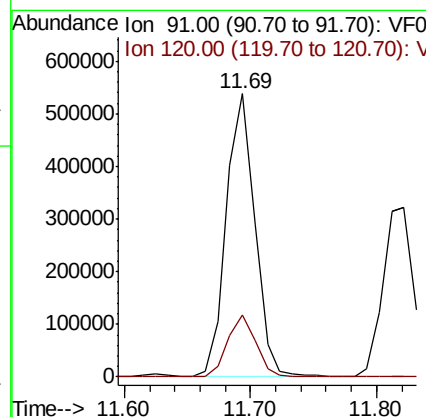
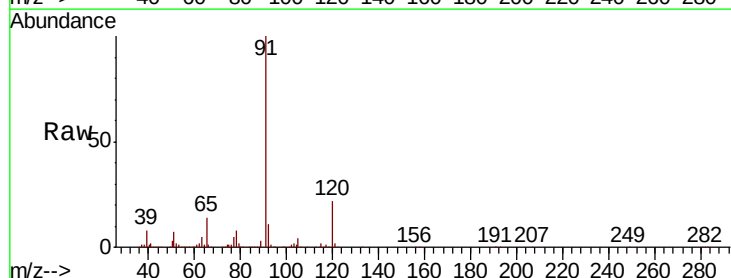
Manual Integrations
APPROVED

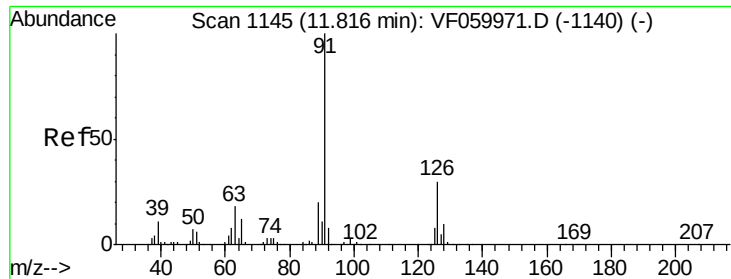
apatel
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#78
n-propylbenzene
Concen: 90.55 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.2	30.6





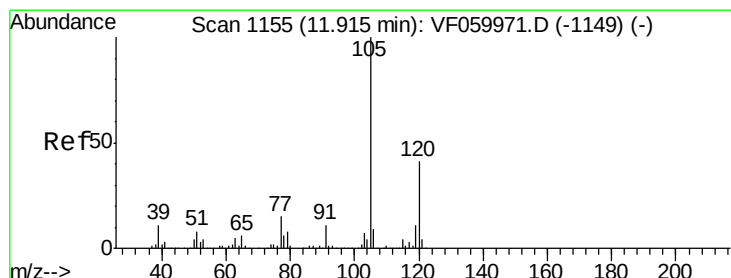
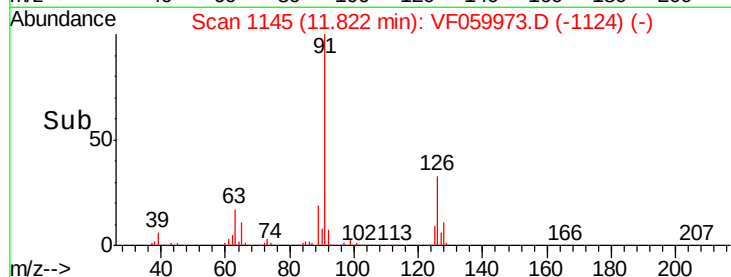
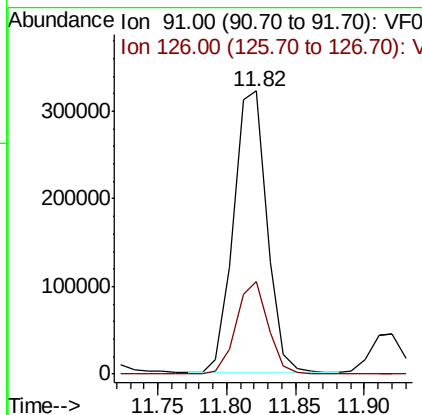
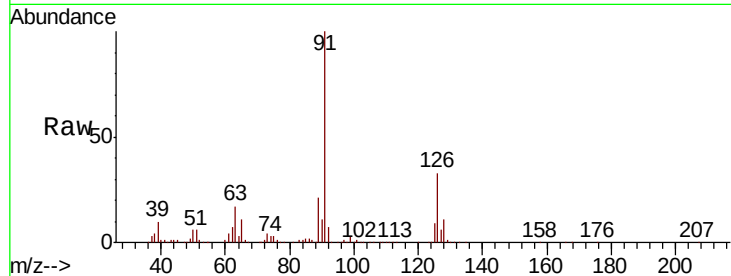
#79
 2-Chlorotoluene
 Concen: 93.21 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
91	100	545605		
126	32.6	14.9	44.9	

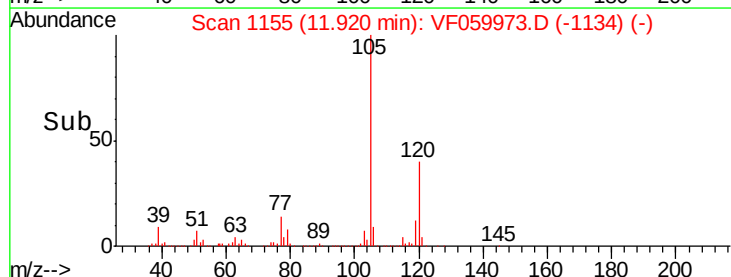
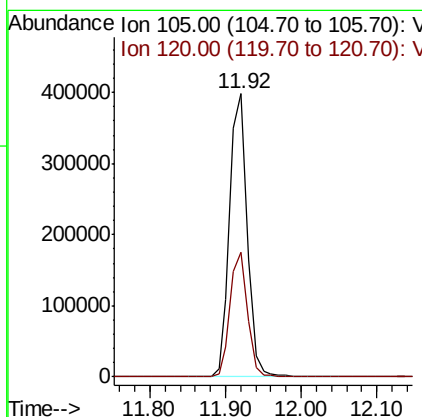
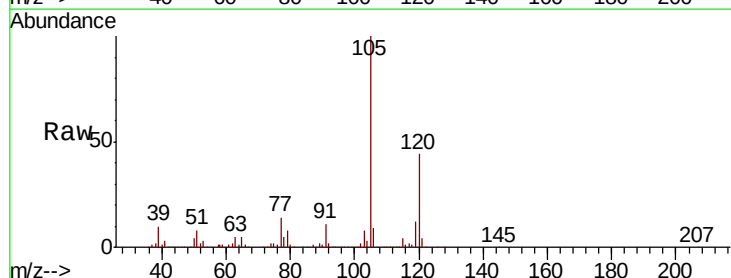
Manual Integrations
 APPROVED

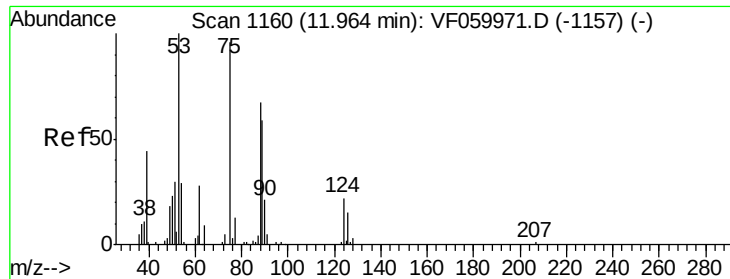
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 87.27 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	642691		
120	44.0	20.6	61.8	





#81

trans-1,4-Dichloro-2-butene

Concen: 137.16 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 71170

Ion Ratio Lower Upper

75 100

53 106.9 85.1 127.7

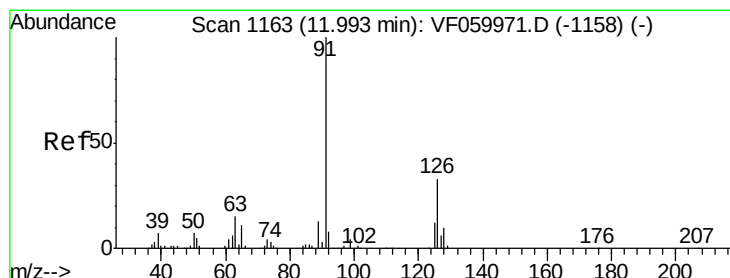
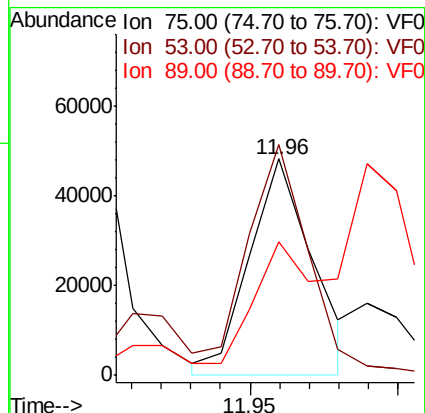
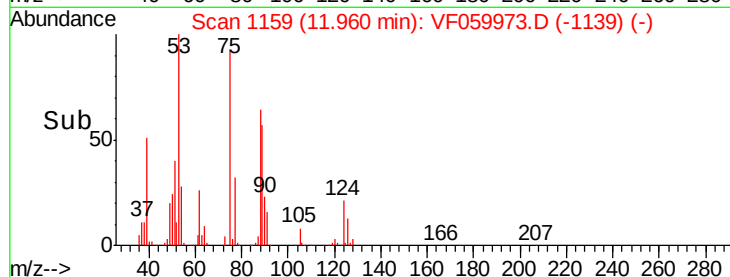
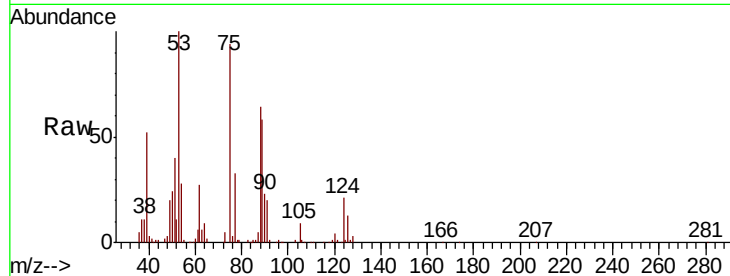
89 61.9 50.2 75.4

Manual Integrations

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#82

4-Chlorotoluene

Concen: 92.40 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VF059973.D

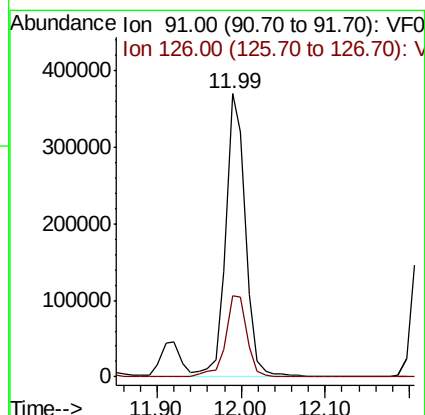
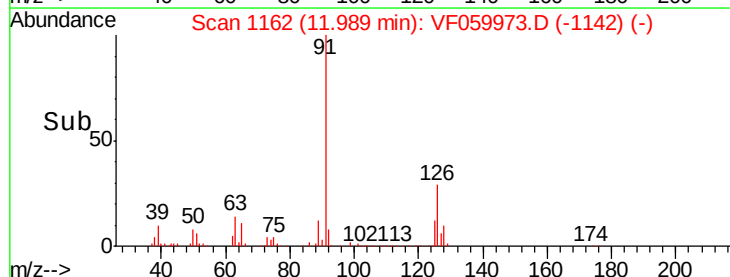
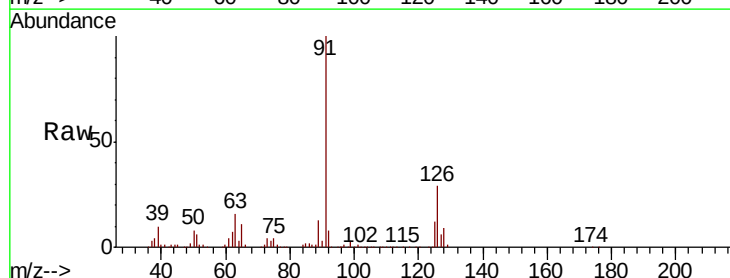
Acq: 16 Aug 2018 21:31

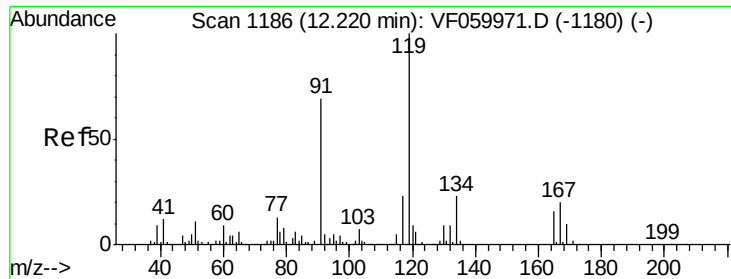
Tgt Ion: 91 Resp: 598607

Ion Ratio Lower Upper

91 100

126 28.8 16.4 49.2





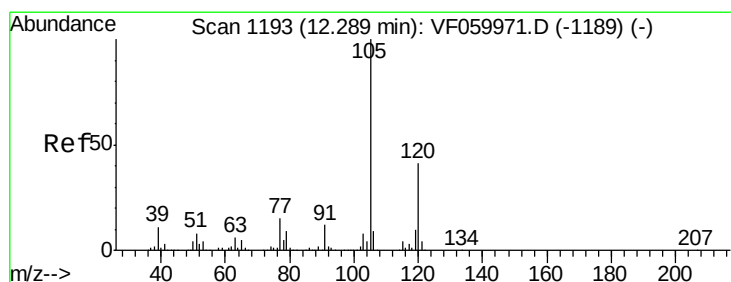
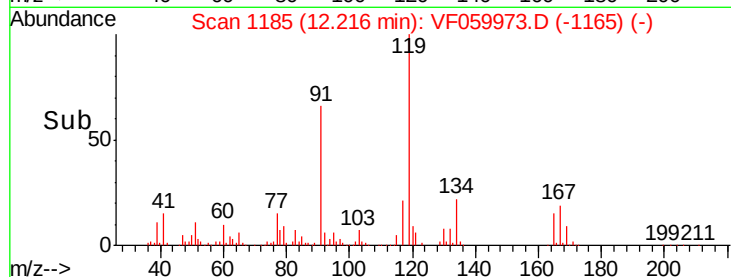
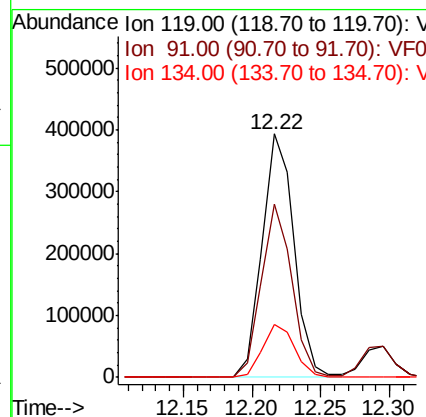
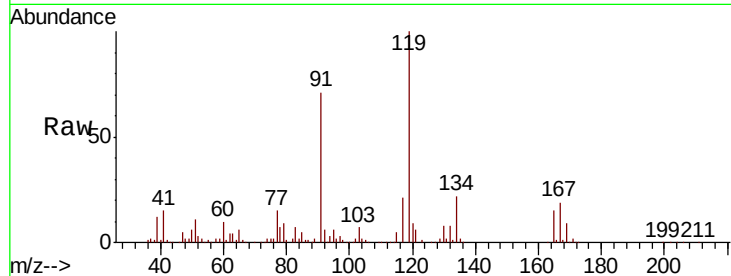
#83
 tert-Butylbenzene
 Concen: 88.24 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	636089		
91	71.3		34.8	104.3
134	21.8		11.5	34.4

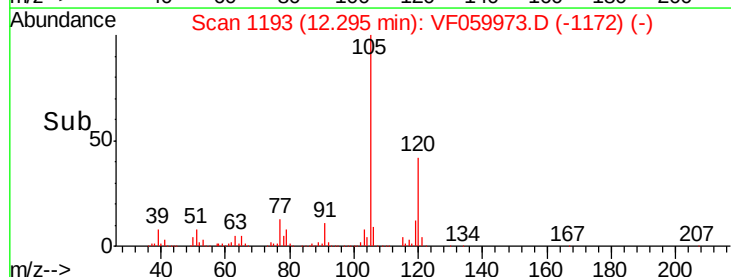
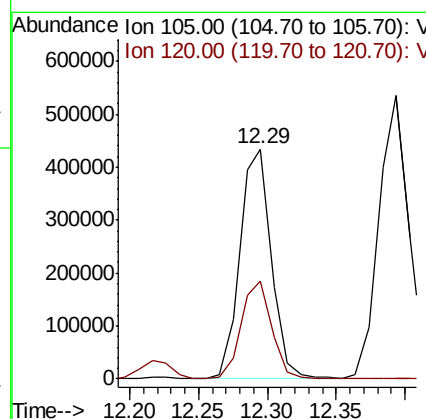
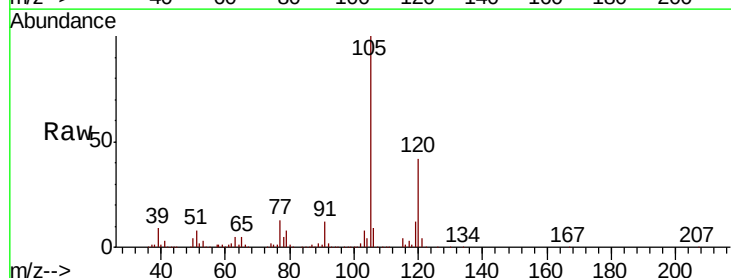
Manual Integrations
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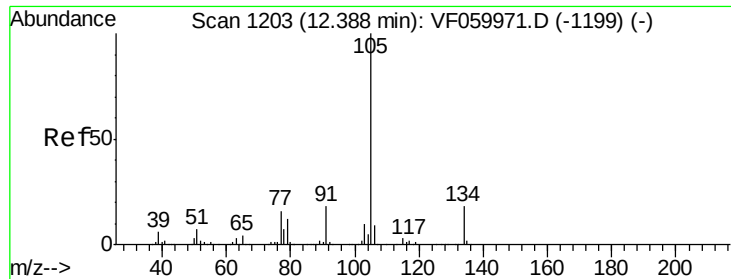
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#84
 1,2,4-Trimethylbenzene
 Concen: 93.19 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	689886		
120	42.5		20.6	61.8





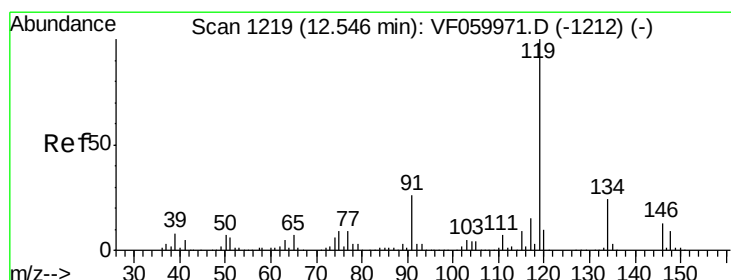
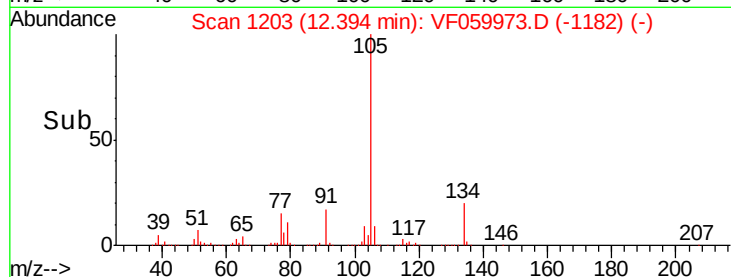
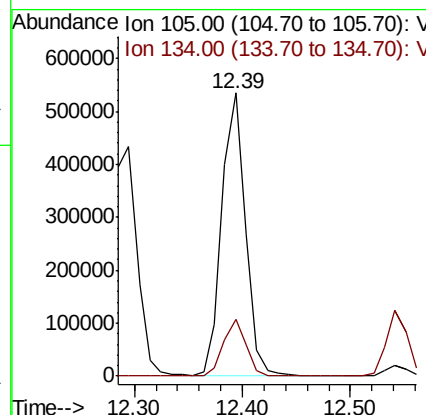
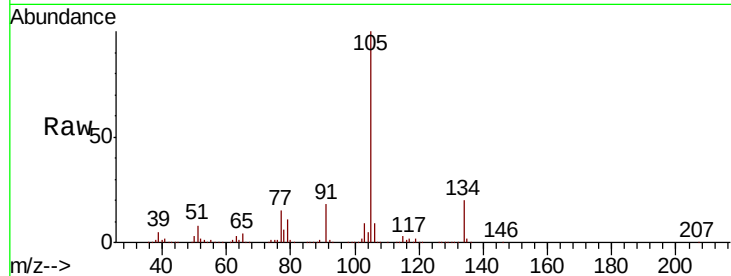
#85
 sec-Butylbenzene
 Concen: 88.57 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
105	100	812347		
134	20.1	8.9	26.7	

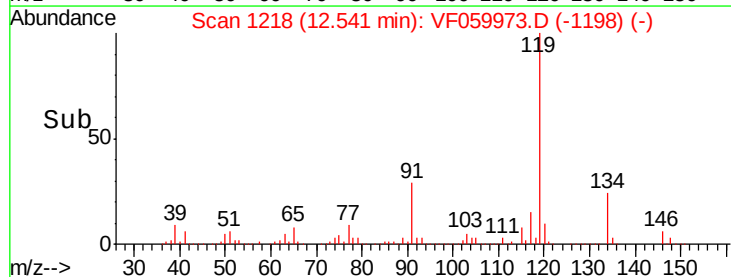
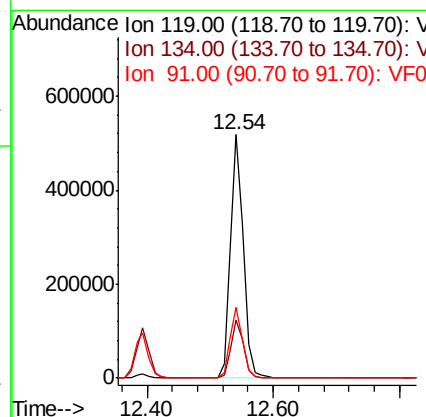
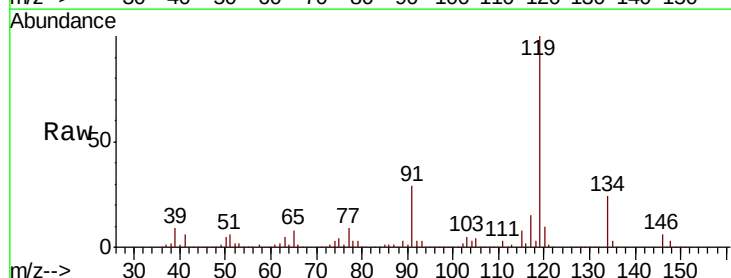
Manual Integrations
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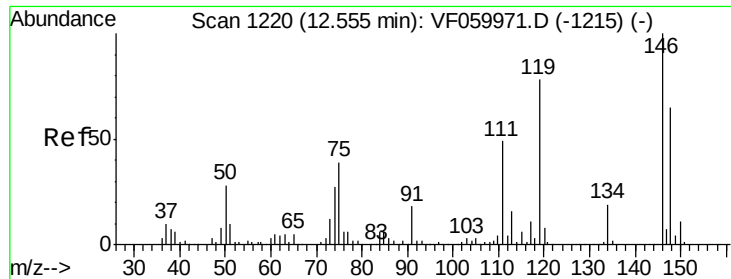
apatel
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#86
 p-Isopropyltoluene
 Concen: 89.39 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	724839		
134	23.9	12.0	36.1	
91	29.1	13.1	39.1	





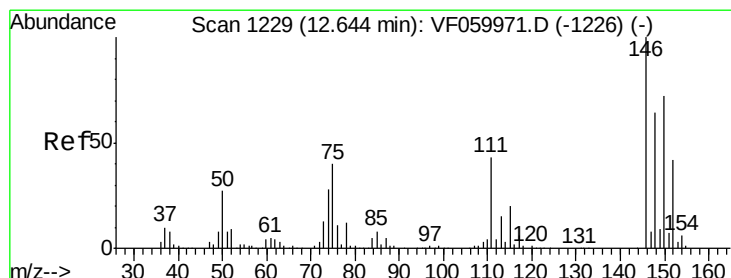
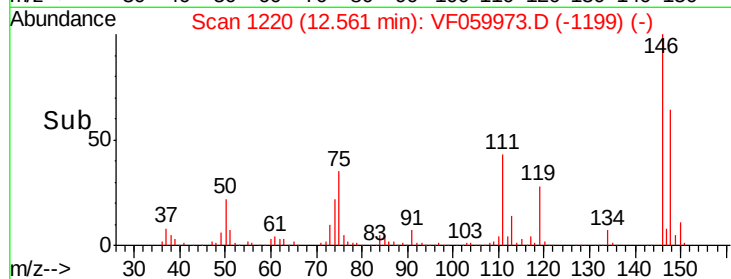
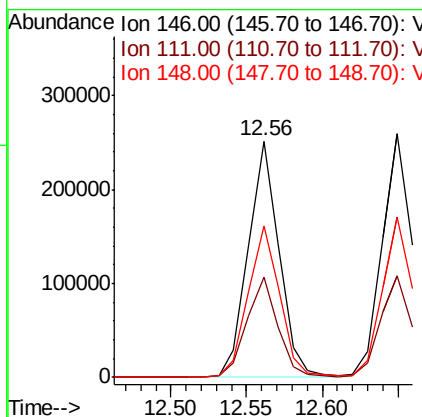
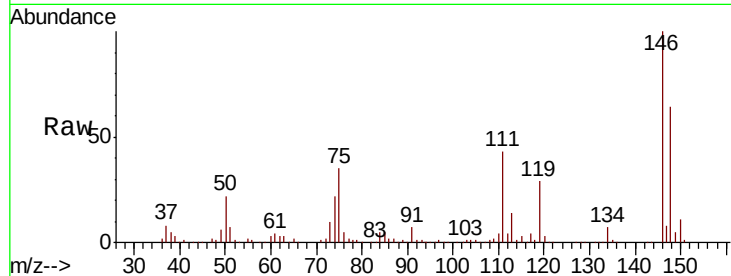
#87
 1,3-Dichlorobenzene
 Concen: 90.90 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	24.4	73.2
148	64.4	32.3	96.8

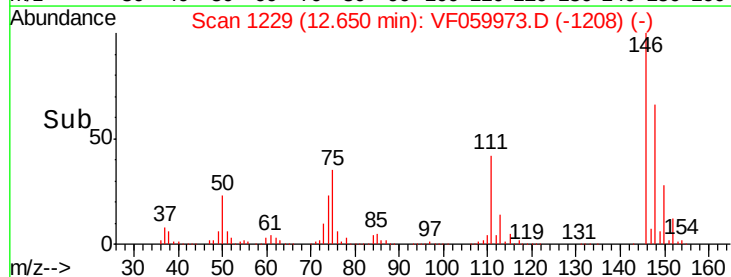
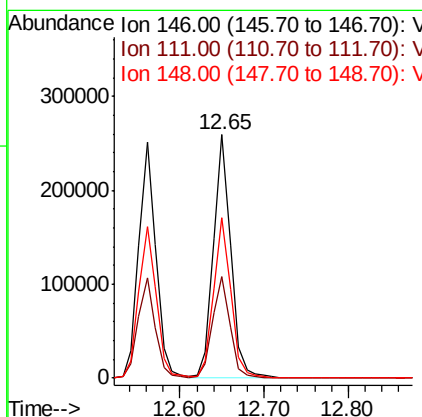
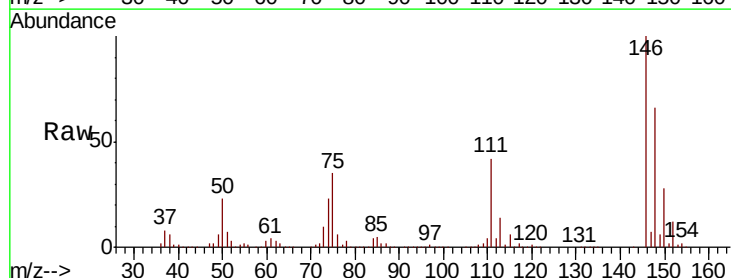
Manual Integrations
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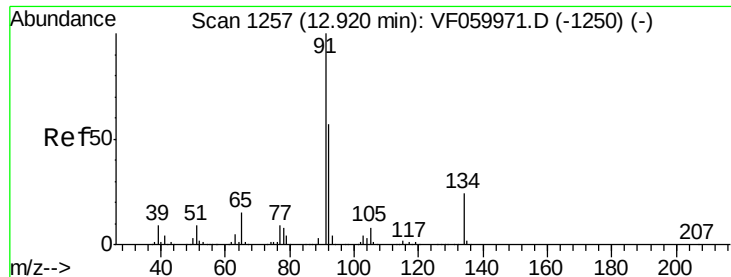
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 95.61 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.4	64.2
148	66.0	31.9	95.7





#89

n-Butylbenzene

Concen: 90.42 ug/l

RT: 12.93 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Instrument :

MSVOA_F

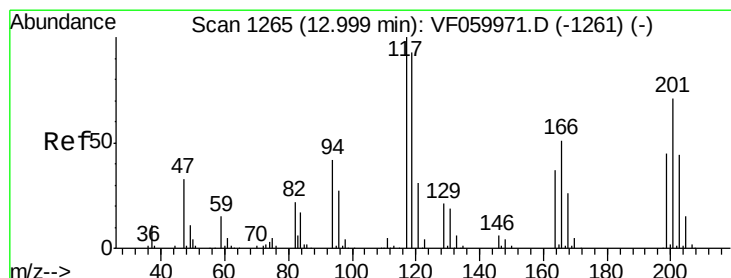
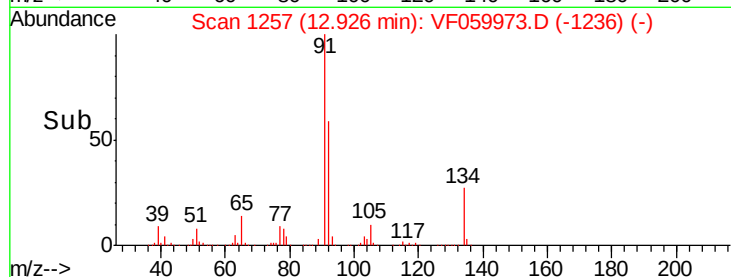
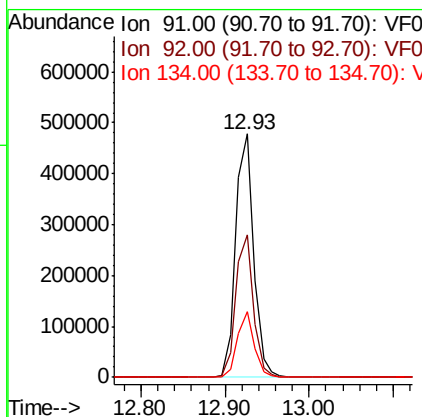
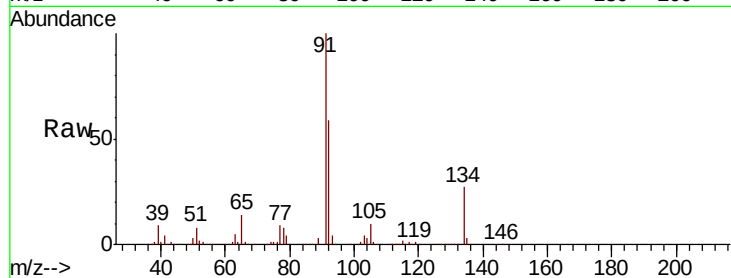
ClientSampleId :

VSTDIC100

Tot Ion:	91	Resp:	709545
Ion	Ratio	Lower	Upper
91	100		
92	58.5	28.3	85.0
134	27.2	11.9	35.7

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#90

Hexachloroethane

Concen: 84.74 ug/l

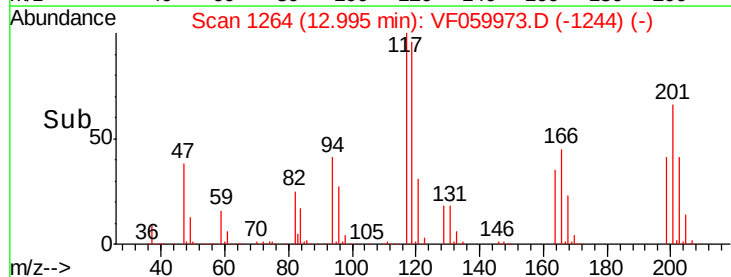
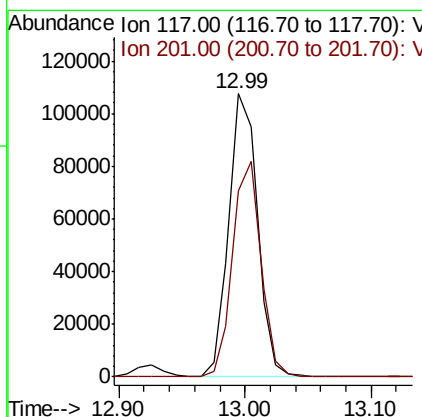
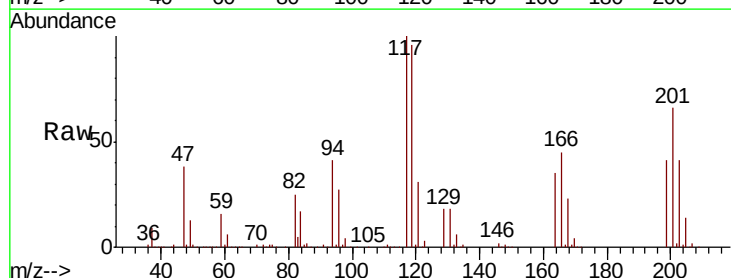
RT: 12.99 min Scan# 1264

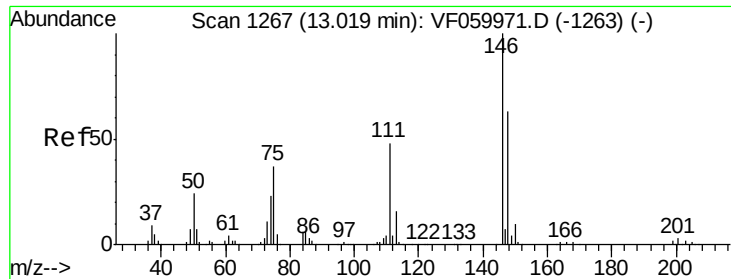
Delta R.T. -0.00 min

Lab File: VF059973.D

Acq: 16 Aug 2018 21:31

Tgt Ion:	117	Resp:	168548
Ion	Ratio	Lower	Upper
117	100		
201	67.3	35.3	105.7





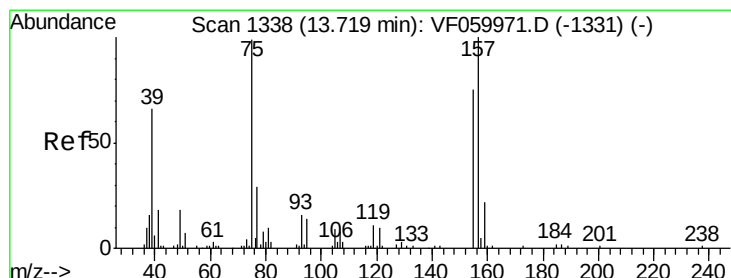
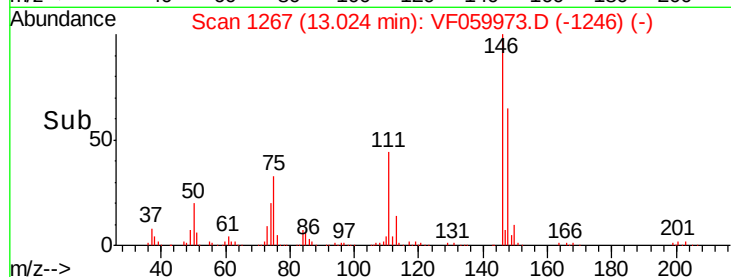
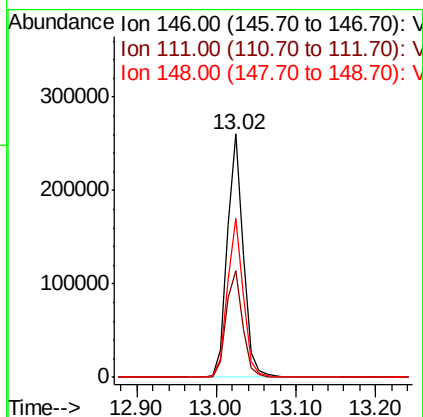
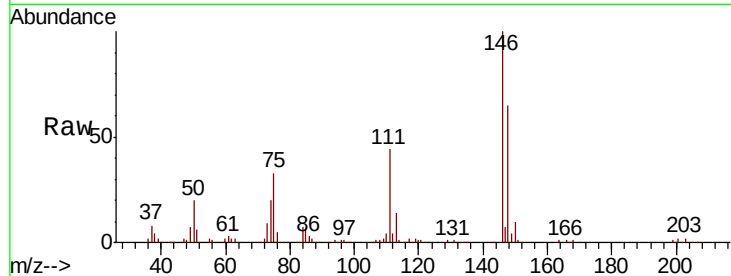
#91
 1,2-Dichlorobenzene
 Concen: 94.92 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	370487		
111	43.9	23.9	71.8	
148	65.4	31.4	94.3	

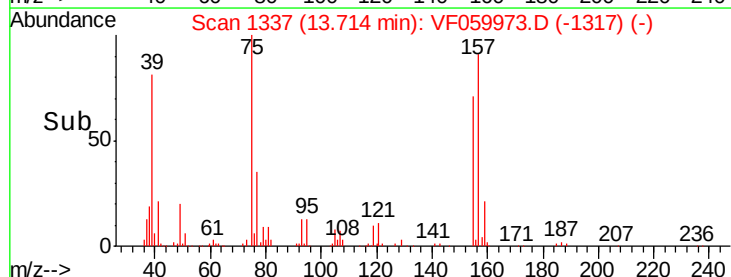
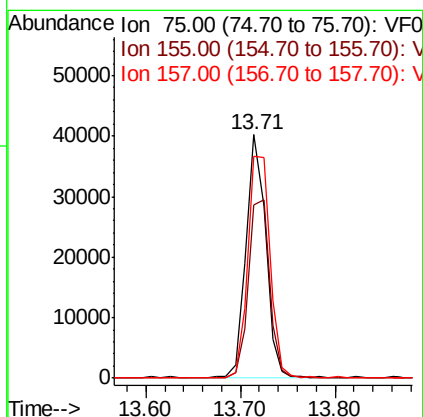
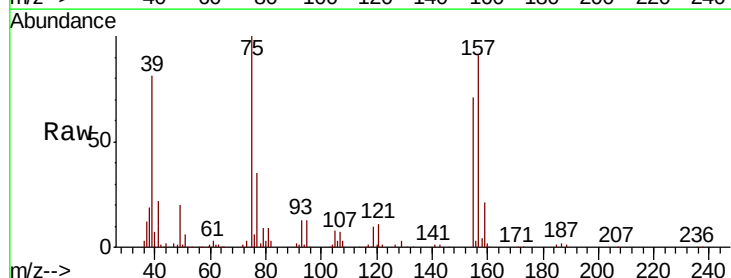
Manual Integrations
 APPROVED

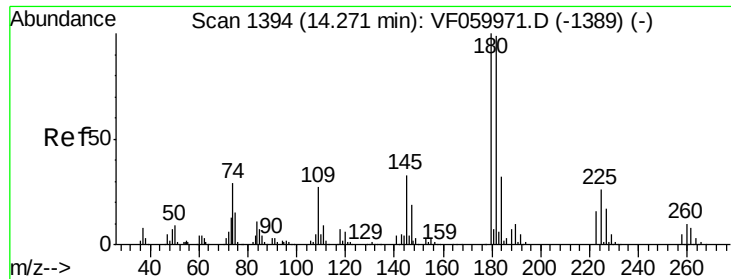
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 145.26 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58600		
155	74.5	38.0	114.0	
157	90.9	50.6	151.8	





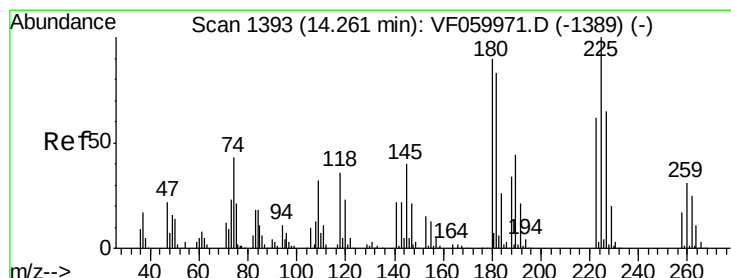
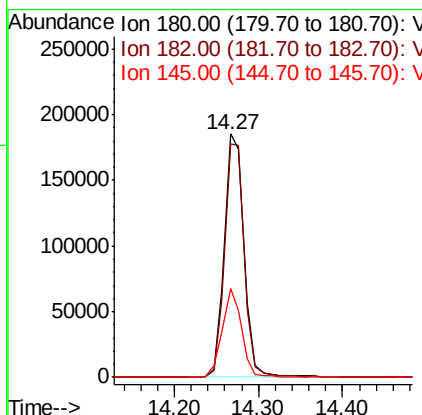
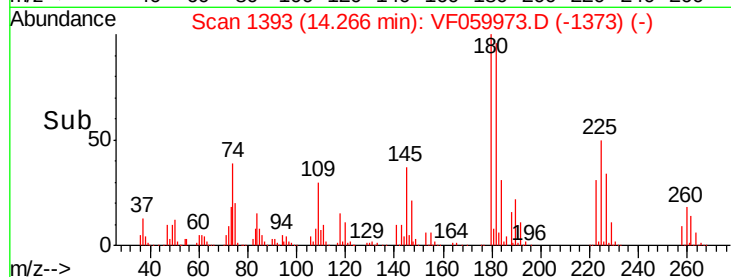
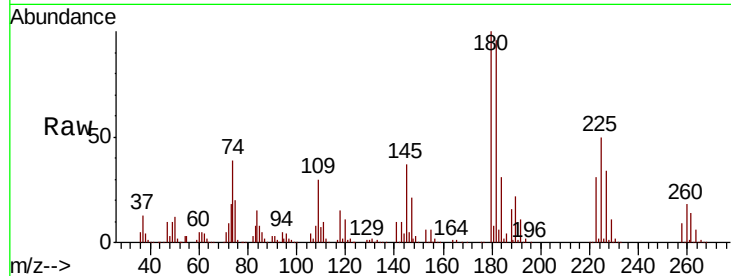
#93
 1,2,4-Trichlorobenzene
 Concen: 96.85 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	49.7	149.1	
145	36.6	16.4	49.4	

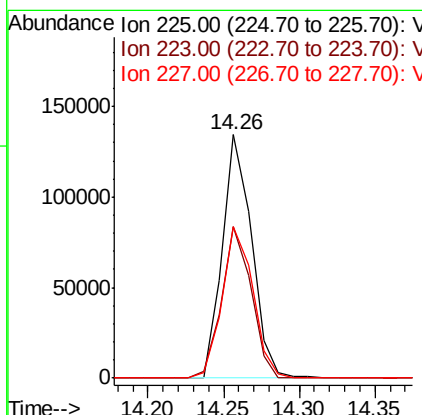
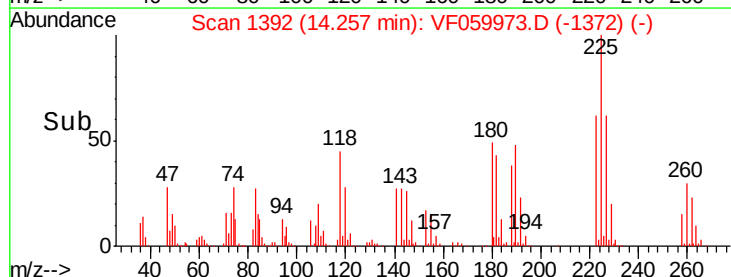
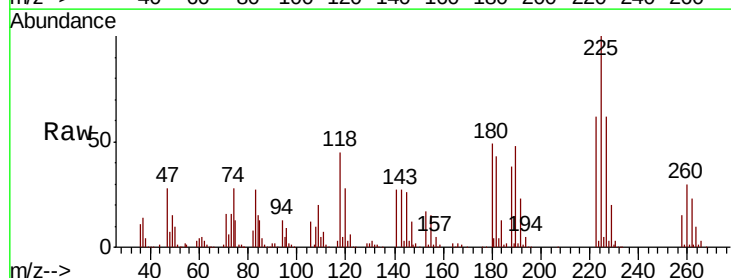
Manual Integrations
 APPROVED

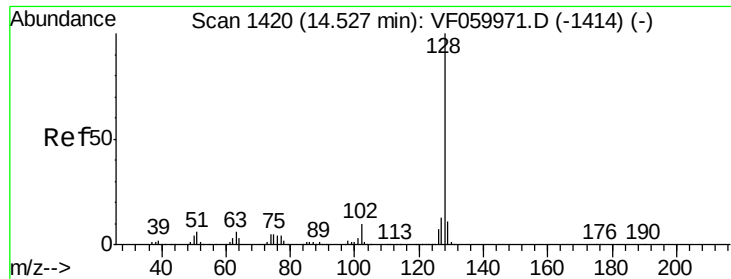
apatel
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#94
 Hexachlorobutadiene
 Concen: 83.35 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059973.D
 Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.0	93.0	
227	62.0	32.4	97.2	





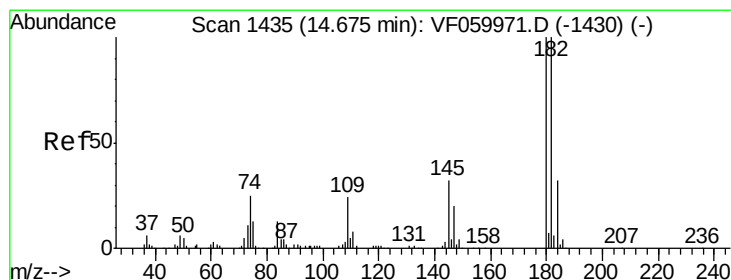
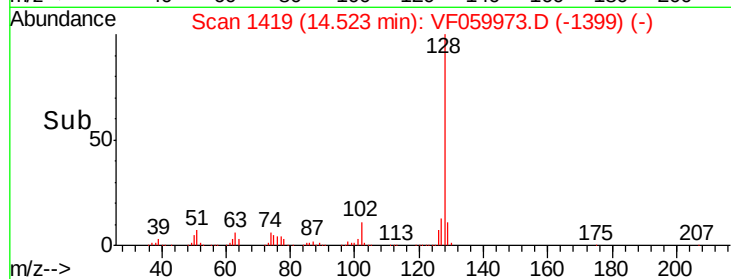
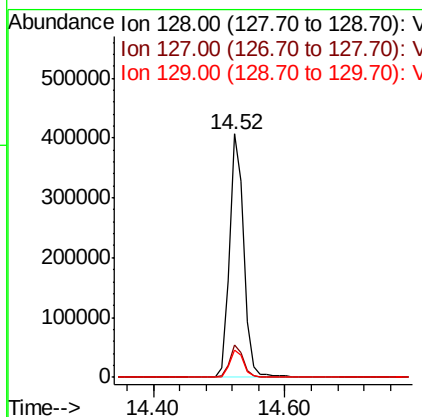
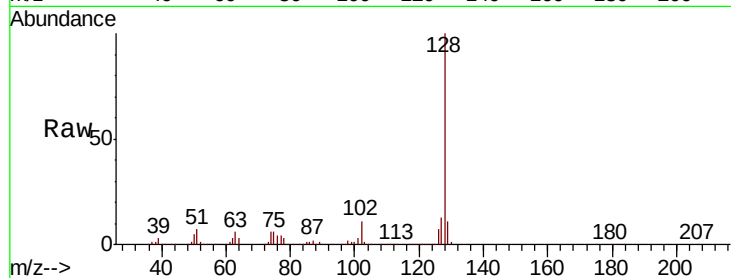
#95
Naphthalene
Concen: 119.06 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	11.2	8.8	13.2

Manual Integrations
APPROVED

apatel
8/17/2018 11:24:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 102.91 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF059973.D
Acq: 16 Aug 2018 21:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	49.9	149.7
145	33.2	16.2	48.5

