

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059690.D
 Acq On : 30 Jul 2018 15:57
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
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 7/31/2018 12:13:25 PM

Quant Time: Jul 31 04:09:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	198942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	286436	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	277164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	182352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	244918	78.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.76%	
35) Dibromofluoromethane	4.29	113	200184	73.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.04%	
50) Toluene-d8	7.71	98	455956	68.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.58%	
62) 4-Bromofluorobenzene	11.51	95	246433	68.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	152259	74.12	ug/l	97
3) Chloromethane	1.08	50	76848	66.17	ug/l	93
4) Vinyl Chloride	1.15	62	85871	69.85	ug/l #	88
5) Bromomethane	1.34	94	70293	65.68	ug/l	97
6) Chloroethane	1.43	64	52110	67.94	ug/l	90
7) Trichlorofluoromethane	1.54	101	238960m	64.64	ug/l	
8) Diethyl Ether	1.70	74	41896	79.99	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	127537	64.89	ug/l	95
10) Methyl Iodide	1.97	142	193503	67.26	ug/l	98
11) Tert butyl alcohol	2.68	59	56747	423.04	ug/l #	83
12) 1,1-Dichloroethene	1.85	96	101098	69.52	ug/l	90
13) Acrolein	2.09	56	28100	473.31	ug/l #	70
14) Allyl chloride	2.19	41	159496	67.05	ug/l	97
15) Acrylonitrile	3.06	53	78321	383.05	ug/l #	90
16) Acetone	2.33	43	223458	392.49	ug/l	96
17) Carbon Disulfide	1.89	76	218323m	61.76	ug/l	
18) Methyl Acetate	2.45	43	61945	65.00	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	323701	79.66	ug/l	100
20) Methylene Chloride	2.27	84	92254m	44.00	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	92281	61.87	ug/l	95
22) Diisopropyl ether	2.93	45	342095	71.95	ug/l	94
23) Vinyl Acetate	3.33	43	925128	392.48	ug/l	98
24) 1,1-Dichloroethane	2.99	63	238587	70.53	ug/l	98
25) 2-Butanone	4.50	43	218240	347.91	ug/l #	83
26) 2,2-Dichloropropane	3.75	77	167846	60.99	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	125079	71.50	ug/l	99
28) Bromochloromethane	3.88	49	85136	68.31	ug/l	91
29) Tetrahydrofuran	4.25	42	92440	367.15	ug/l	94
30) Chloroform	4.03	83	321609	67.30	ug/l	95
31) Cyclohexane	3.85	56	123030	63.29	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	257994	65.81	ug/l	97
36) 1,1-Dichloropropene	4.45	75	191684	61.70	ug/l	95
37) Ethyl Acetate	4.29	43	97054	71.61	ug/l #	75
38) Carbon Tetrachloride	4.17	117	286158m	62.78	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	147924	58.50	ug/l	99
40) Benzene	4.80	78	359169	65.09	ug/l	99
41) Methacrylonitrile	4.92	41	48699	72.97	ug/l	88
42) 1,2-Dichloroethane	5.11	62	260548	72.56	ug/l	98
43) Isopropyl Acetate	7.10	43	108294	77.17	ug/l #	93
44) Trichloroethene	5.67	130	124479	58.24	ug/l	80
45) 1,2-Dichloropropane	6.39	63	99409	67.79	ug/l	100
46) Dibromomethane	6.25	93	92564	72.69	ug/l	92
47) Bromodichloromethane	6.54	83	253810	68.03	ug/l	97
48) Methyl methacrylate	6.87	41	88831	80.66	ug/l	94
49) 1,4-Dioxane	6.86	88	12548	1427.68	ug/l	98
51) 4-Methyl-2-Pentanone	8.41	43	435064	385.26	ug/l	100
52) Toluene	7.77	92	259198	63.24	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	212257	71.12	ug/l	95
54) cis-1,3-Dichloropropene	7.45	75	216962	70.06	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	98551	72.39	ug/l	96
56) Ethyl methacrylate	8.76	69	113883	78.91	ug/l	98
57) 1,3-Dichloropropane	9.00	76	171905	73.02	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	57148	327.95	ug/l	100
59) 2-Hexanone	9.63	43	332022	396.36	ug/l	98
60) Dibromochloromethane	8.86	129	187852	76.49	ug/l	98
61) 1,2-Dibromoethane	9.14	107	126986	77.14	ug/l	98
64) Tetrachloroethene	8.30	164	134319	60.82	ug/l	97
65) Chlorobenzene	9.93	112	350021	65.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	169026	68.20	ug/l	96
67) Ethyl Benzene	10.03	91	633228	64.85	ug/l	99
68) m/p-Xylenes	10.27	106	430774	127.47	ug/l	97
69) o-Xylene	10.82	106	243148	66.62	ug/l	96
70) Styrene	10.90	104	344320	64.87	ug/l	98
71) Bromoform	10.89	173	114048	74.62	ug/l #	99
73) Isopropylbenzene	11.23	105	778193	62.52	ug/l	99
74) N-amyl acetate	11.46	43	188774	74.00	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	140048	68.52	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	118106	70.36	ug/l	97
77) Bromobenzene	11.59	156	198740	65.78	ug/l	94
78) n-propylbenzene	11.69	91	832163	58.03	ug/l	99
79) 2-Chlorotoluene	11.81	91	531637	60.92	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	660932	60.50	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	50927m	58.43	ug/l	
82) 4-Chlorotoluene	11.98	91	545072	59.28	ug/l	100
83) tert-Butylbenzene	12.21	119	694242	62.88	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	666267	59.35	ug/l	97
85) sec-Butylbenzene	12.39	105	885075	60.93	ug/l	98
86) p-Isopropyltoluene	12.54	119	745387	59.67	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	348043	59.08	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	363762	64.81	ug/l	98
89) n-Butylbenzene	12.92	91	717826	59.42	ug/l	98
90) Hexachloroethane	12.99	117	192136	60.43	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	340941	62.25	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	37593	75.62	ug/l	94

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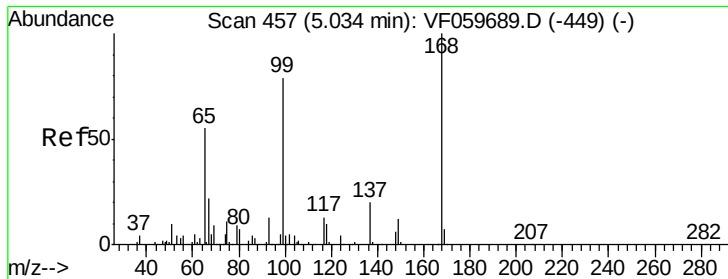
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	277531	63.23	ug/l	99
94) Hexachlorobutadiene	14.25	225	194640	60.27	ug/l	97
95) Naphthalene	14.52	128	511042	73.06	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	272113	68.20	ug/l	95

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



#1

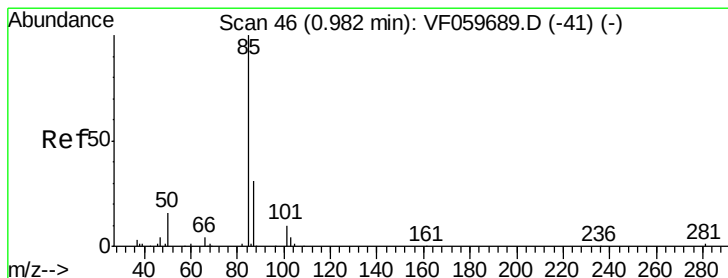
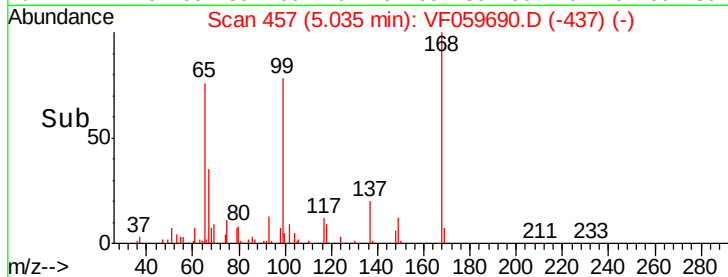
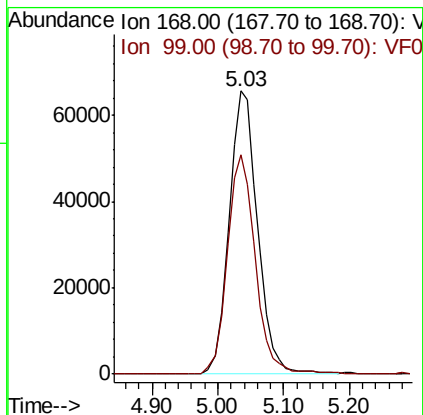
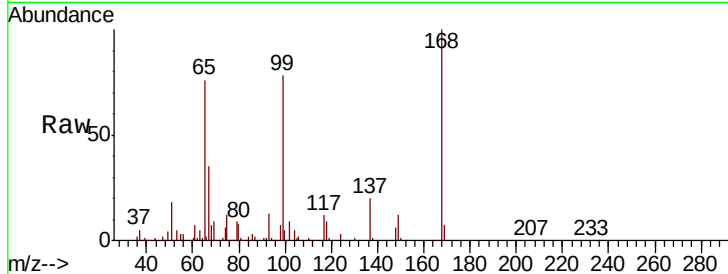
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
168	100	198942		
99	77.5	63.3	94.9	

Manual Integrations
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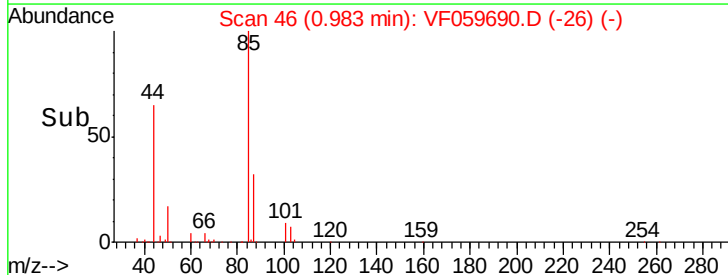
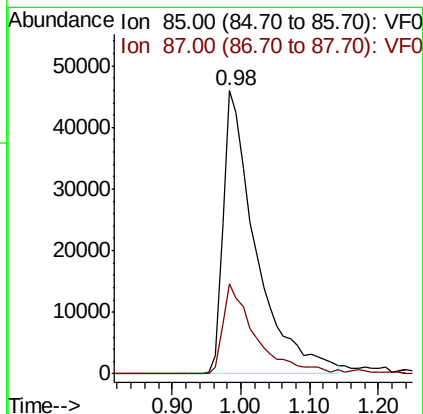
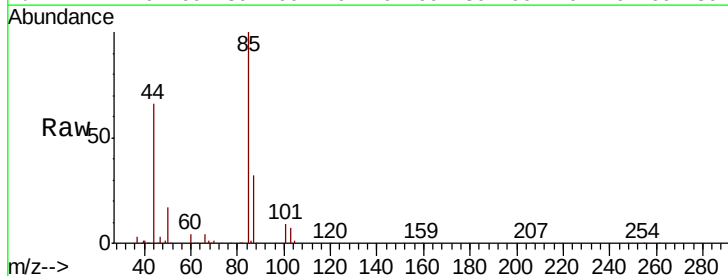
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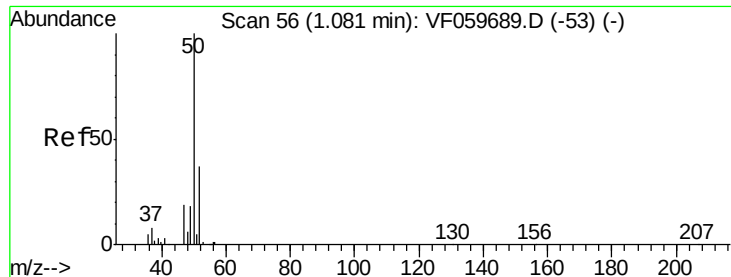


#2

Dichlorodifluoromethane
 Concen: 74.12 ug/l
 RT: 0.98 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	152259		
87	32.1	15.3	45.8	





#3

Chloromethane

Concen: 66.17 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 76848

Ion Ratio Lower Upper

50 100

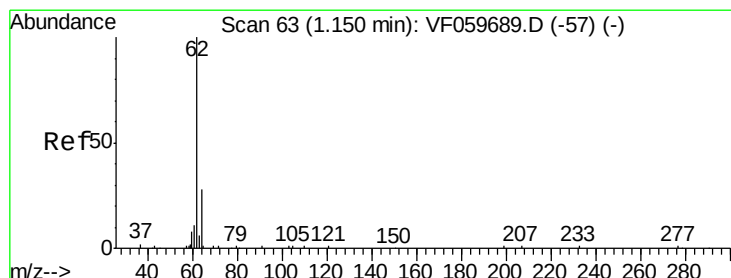
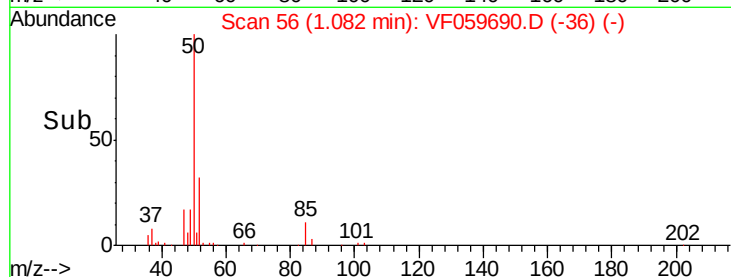
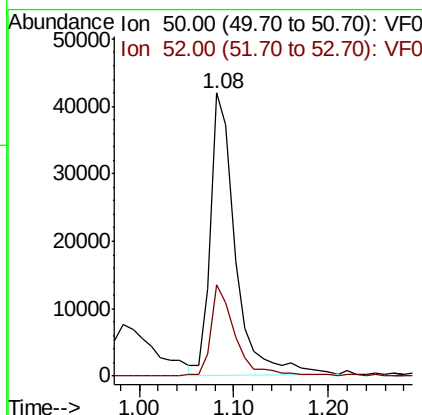
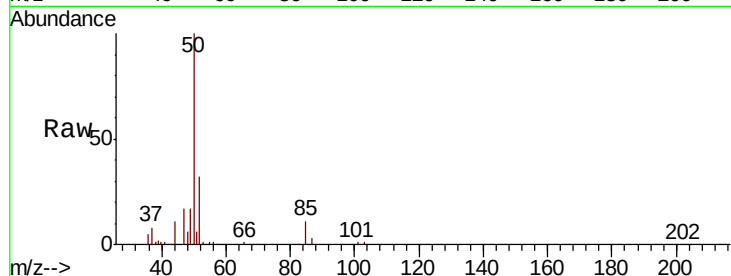
52 32.3 29.1 43.7

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#4

Vinyl Chloride

Concen: 69.85 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059690.D

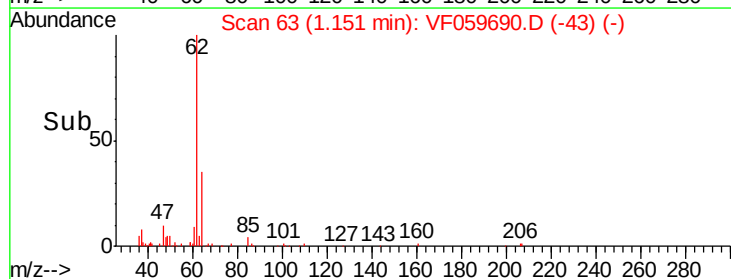
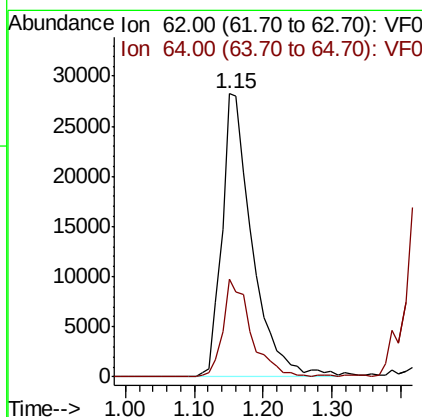
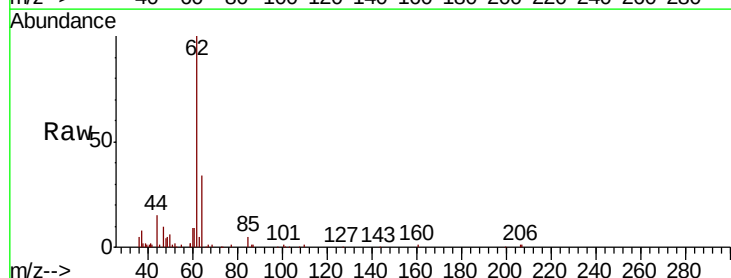
Acq: 30 Jul 2018 15:57

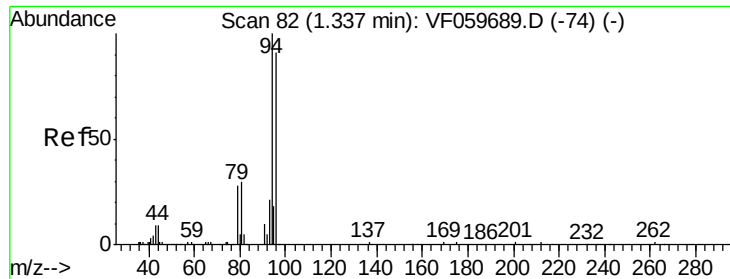
Tgt Ion: 62 Resp: 85871

Ion Ratio Lower Upper

62 100

64 34.5 22.6 33.8#





#5

Bromomethane

Concen: 65.68 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 70293

Ion Ratio Lower Upper

94 100

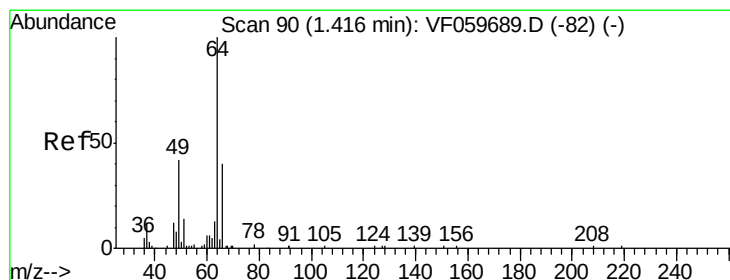
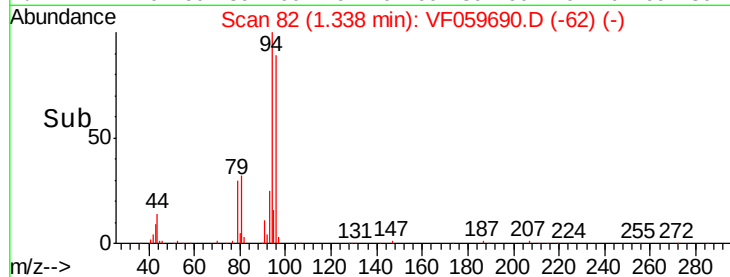
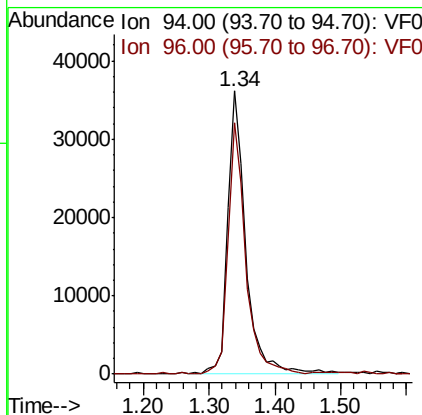
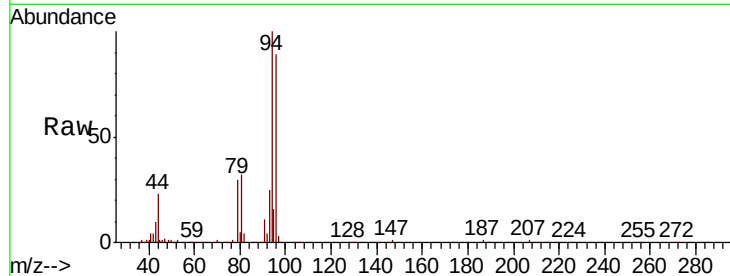
96 88.8 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 67.94 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059690.D

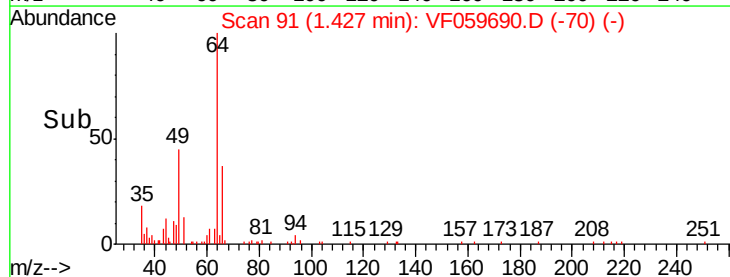
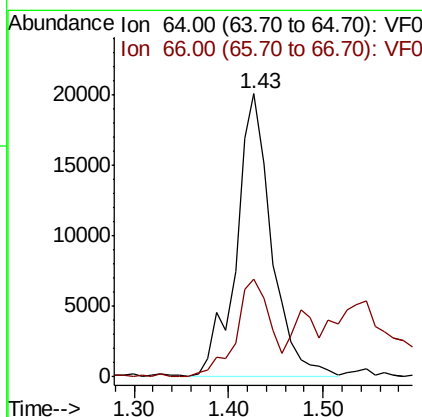
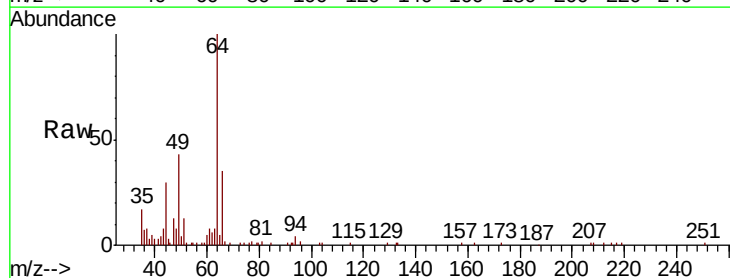
Acq: 30 Jul 2018 15:57

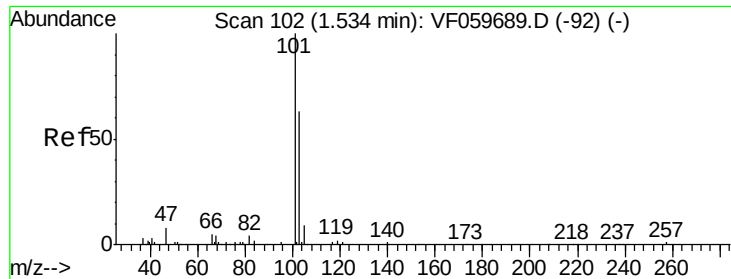
Tgt Ion: 64 Resp: 52110

Ion Ratio Lower Upper

64 100

66 34.7 32.6 49.0





#7

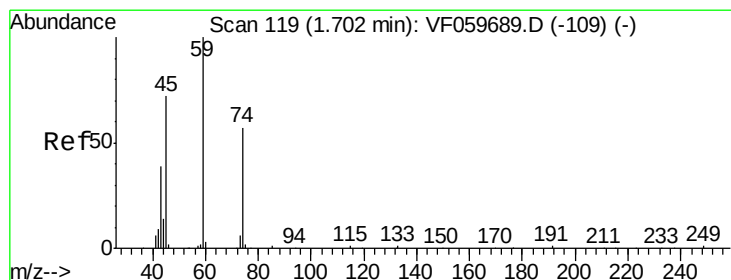
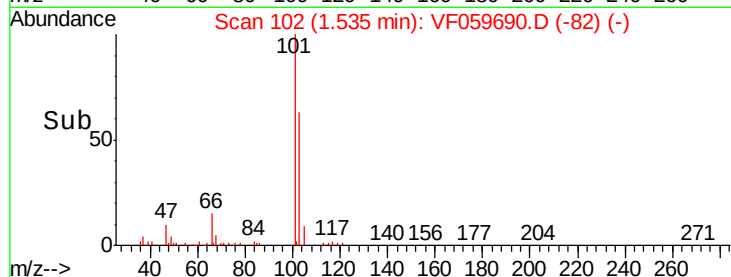
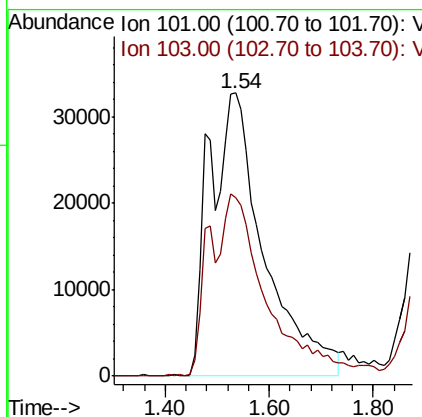
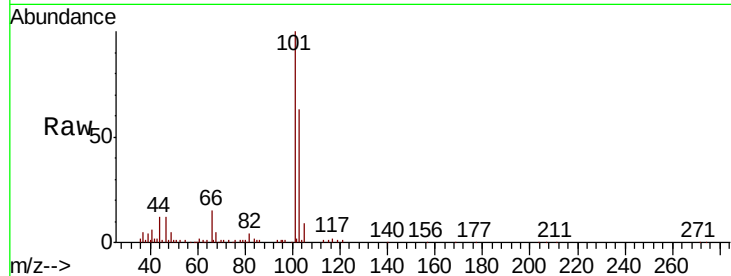
Trichlorofluoromethane
Concen: 64.64 ug/l m
RT: 1.54 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	50.8	76.2

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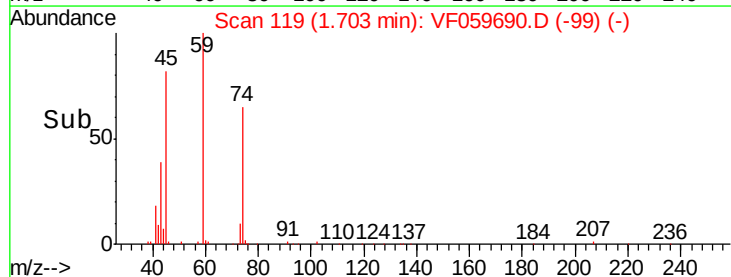
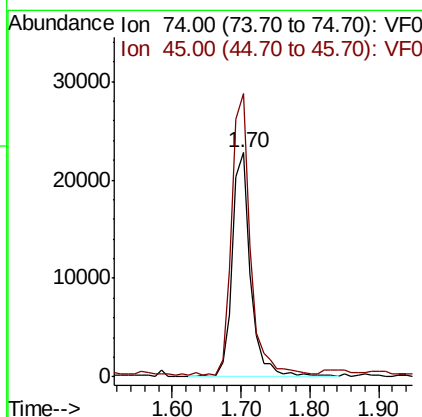
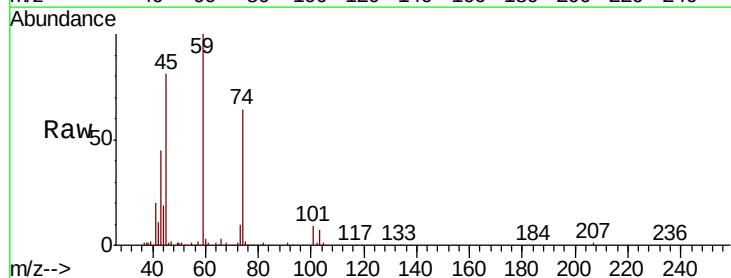
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7/31/2018 12:13:25 PM

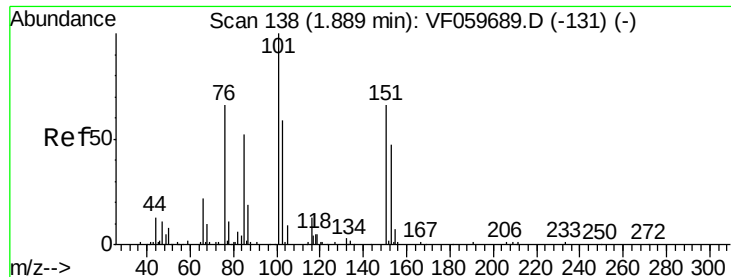


#8

Diethyl Ether
Concen: 79.99 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	126.2	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.89 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

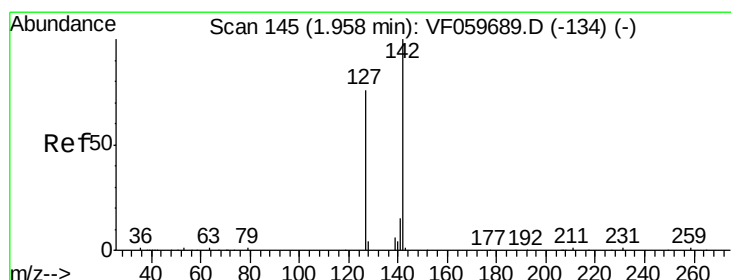
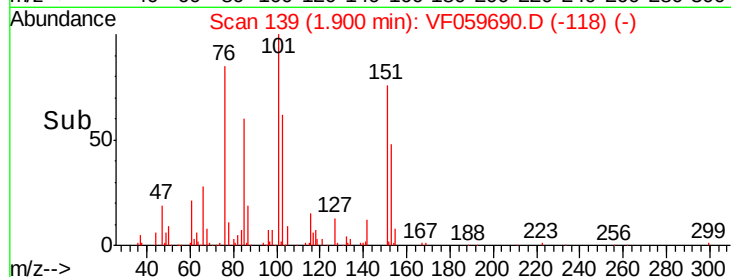
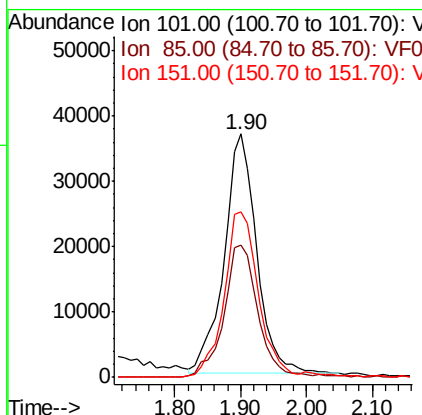
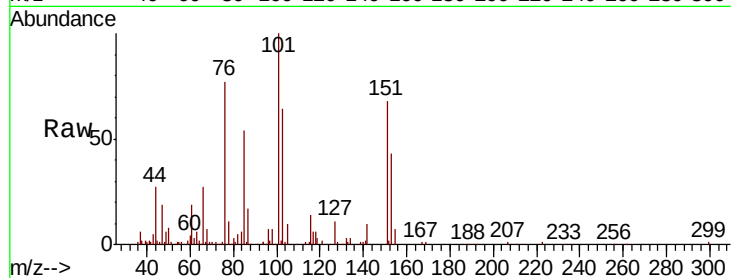
ClientSampled :

VSTDIC075

Tot Ion:	101	Resp:	127537
Ion Ratio	Lower	Upper	
101	100		
85	54.1	40.7	61.1
151	67.9	51.4	77.2

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#10

Methyl Iodide

Concen: 67.26 ug/l

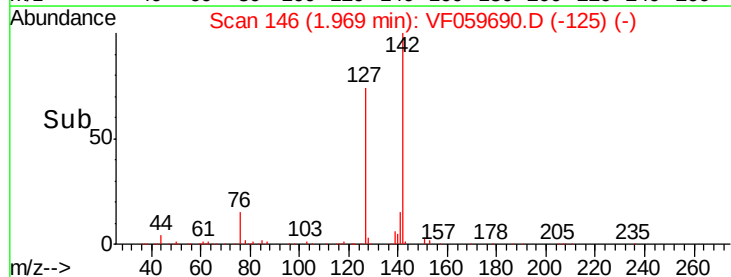
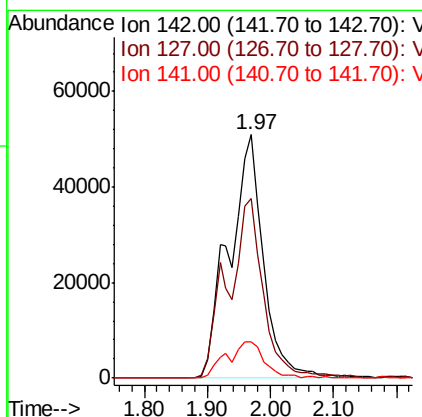
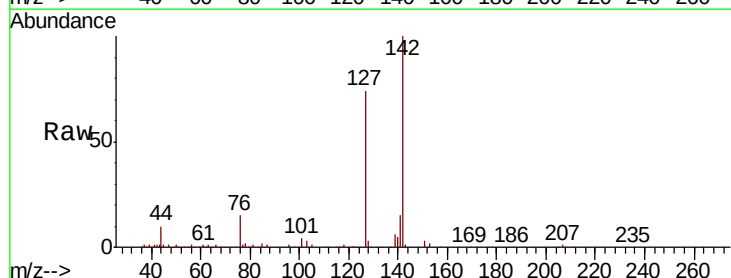
RT: 1.97 min Scan# 146

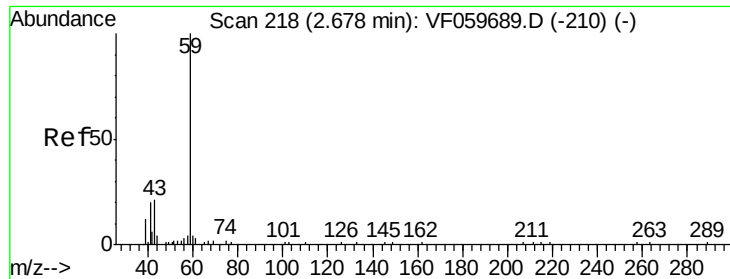
Delta R.T. 0.01 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Tgt Ion:	142	Resp:	193503
Ion Ratio	Lower	Upper	
142	100		
127	73.8	60.6	91.0
141	14.8	12.0	18.0





#11

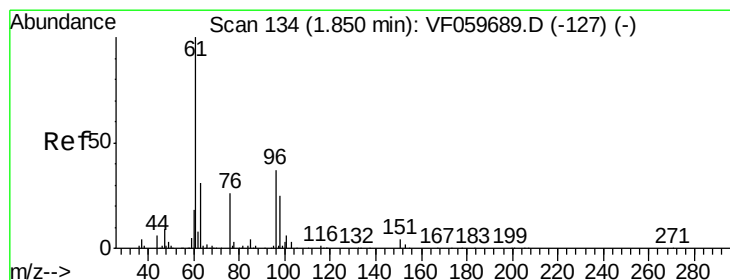
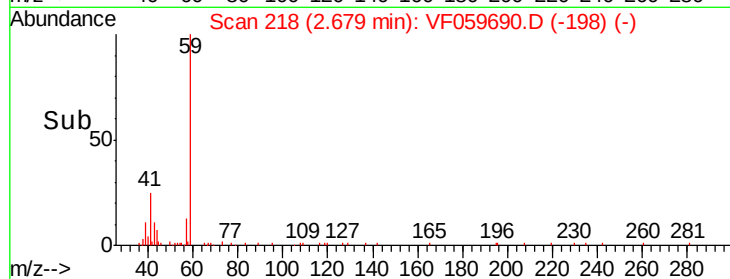
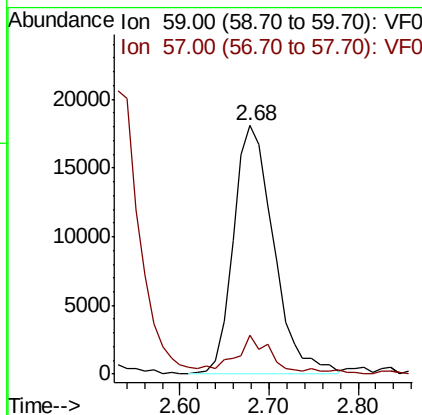
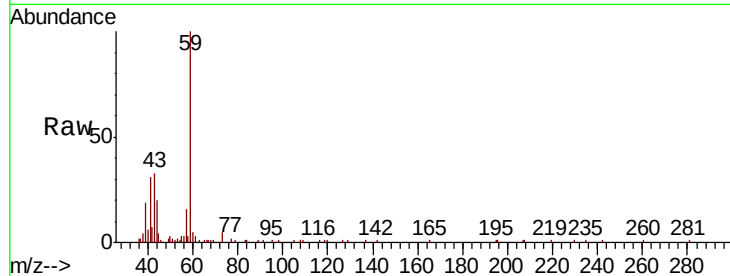
Tert butyl alcohol
 Concen: 423.04 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	59.00	Resp	56747
Ion Ratio	100	Lower	Upper
59	100		
57	15.7	7.6	11.4#

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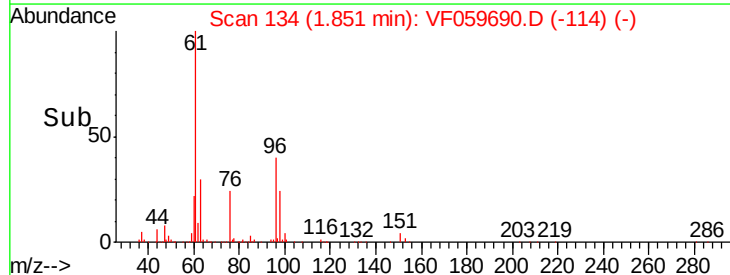
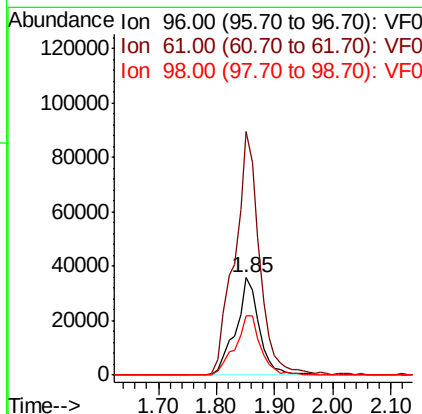
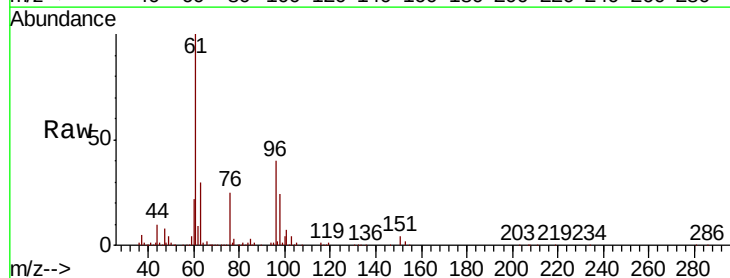
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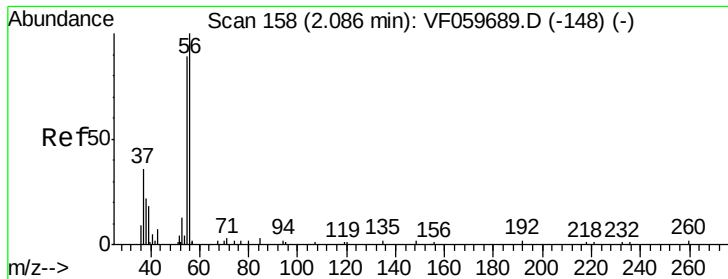


#12

1,1-Dichloroethene
 Concen: 69.52 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion	96.00	Resp	101098
Ion Ratio	100	Lower	Upper
96	100		
61	249.9	215.1	322.7
98	60.8	54.3	81.5





#13

Acrolein

Concen: 473.31 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampled :

VSTDIC075

Tot Ion: 56 Resp: 28100

Ion Ratio Lower Upper

56 100

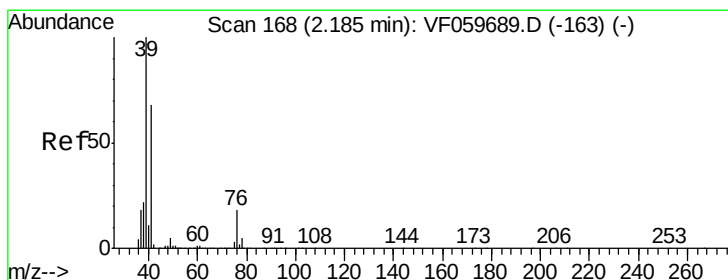
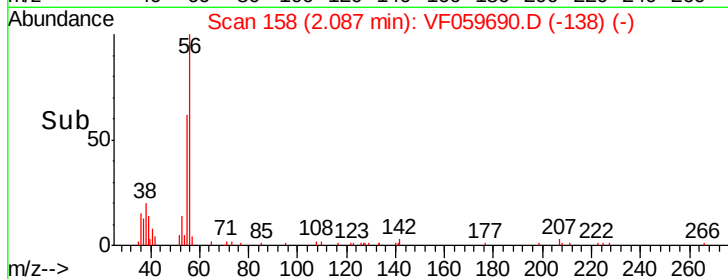
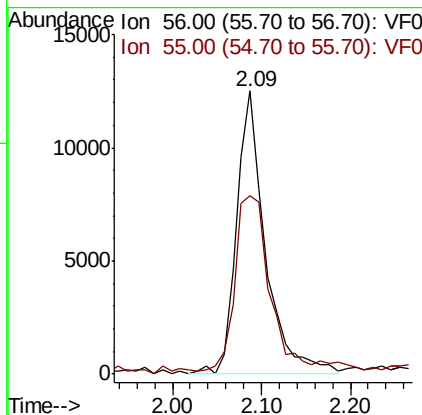
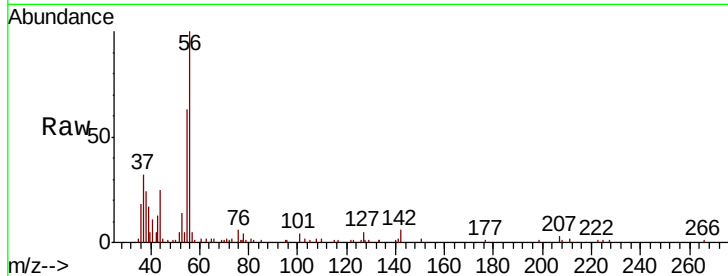
55 63.0 73.2 109.8#

Manual Integrations

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#14

Allyl chloride

Concen: 67.05 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

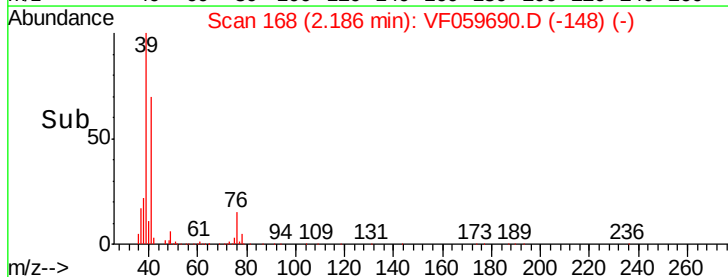
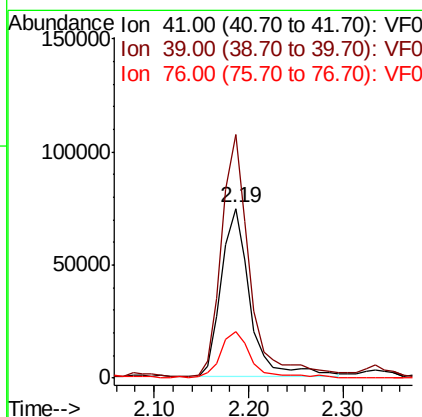
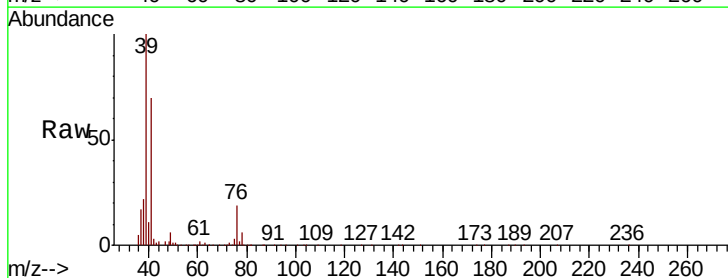
Tgt Ion: 41 Resp: 159496

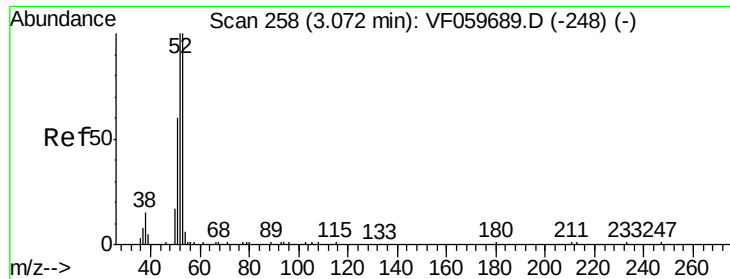
Ion Ratio Lower Upper

41 100

39 143.6 118.1 177.1

76 27.2 22.0 33.0





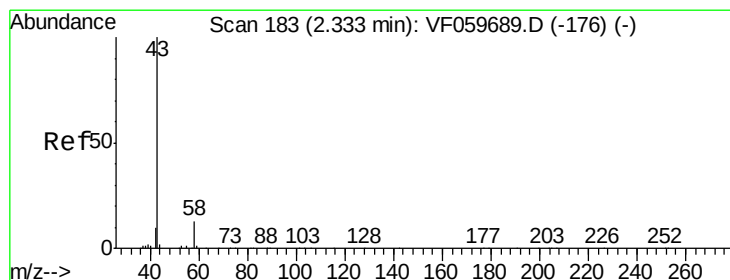
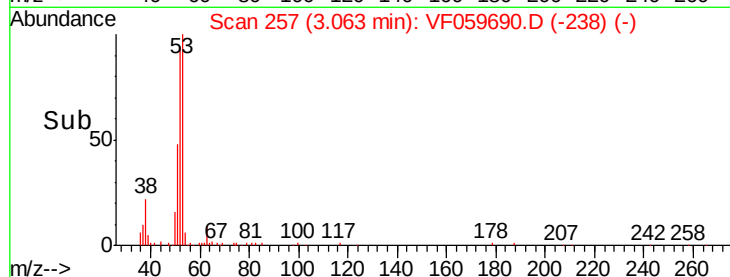
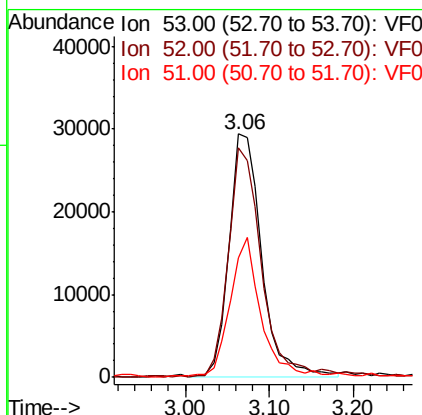
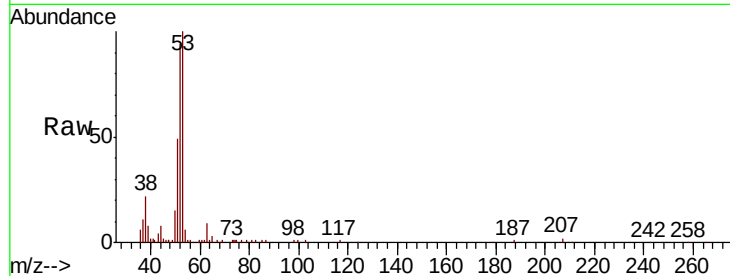
#15
 Acrylonitrile
 Concen: 383.05 ug/l
 RT: 3.06 min Scan# 257
 Delta R.T. -0.01 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
53	100		
52	94.2	80.3	120.5
51	48.8	49.4	74.0#

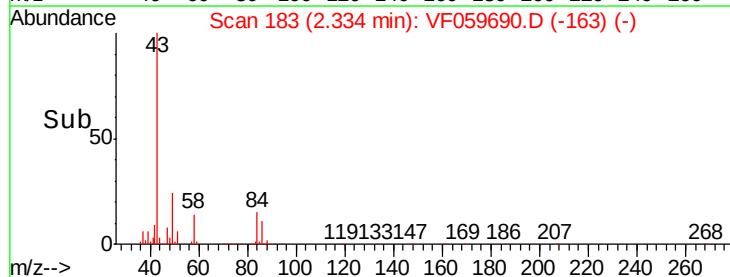
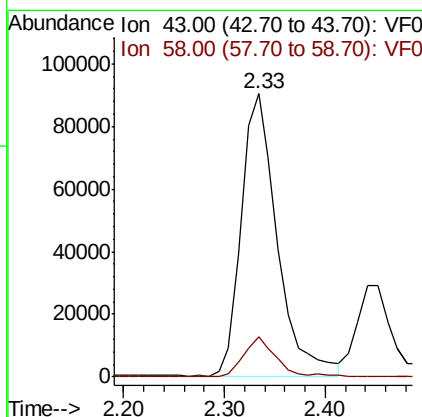
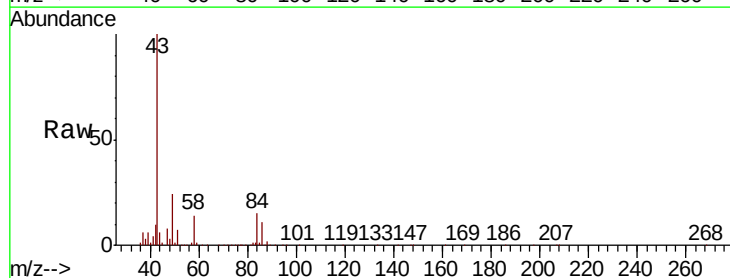
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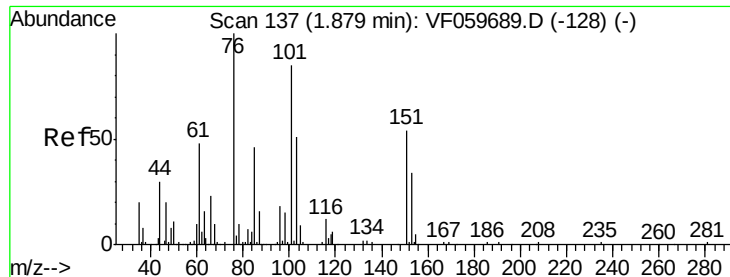
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#16
 Acetone
 Concen: 392.49 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	14.3	10.1	15.1





#17

Carbon Disulfide

Concen: 61.76 ug/l m

RT: 1.89 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 218323

Ion Ratio Lower Upper

76 100

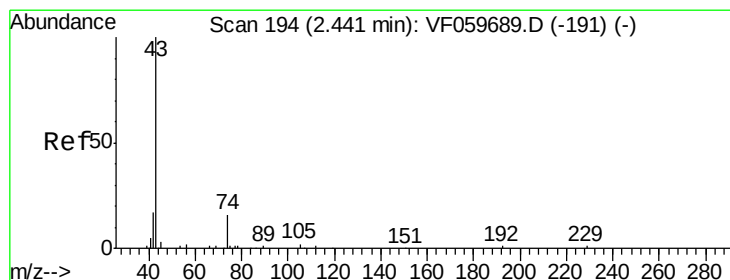
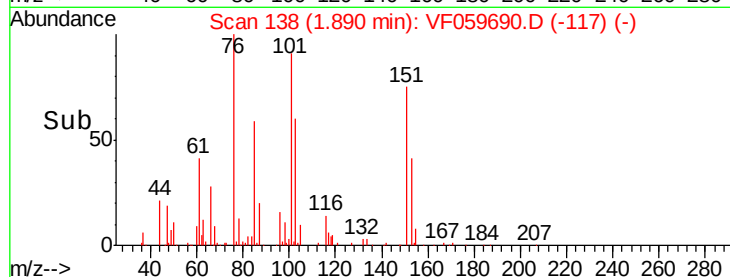
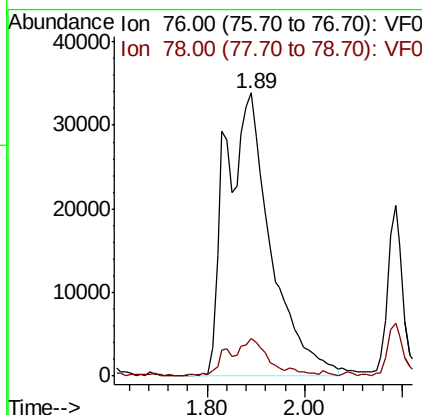
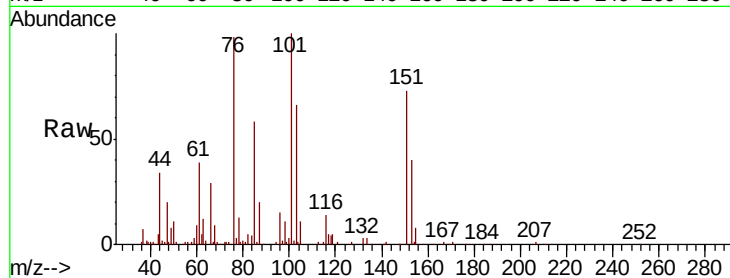
78 13.3 8.9 13.3

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#18

Methyl Acetate

Concen: 65.00 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059690.D

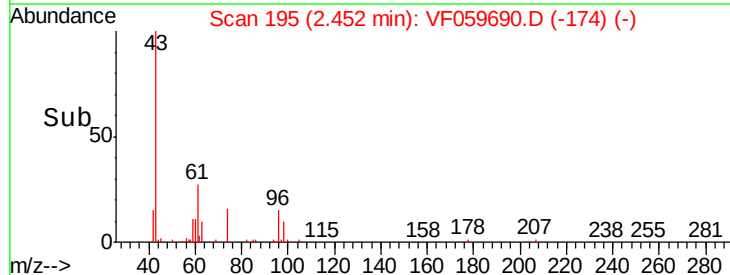
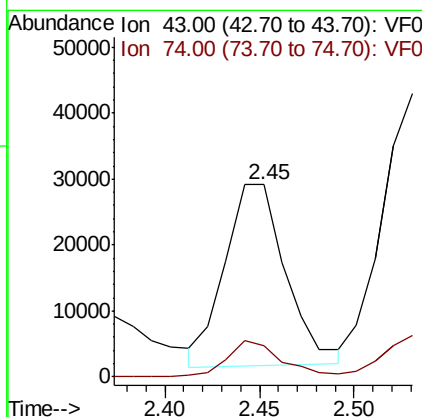
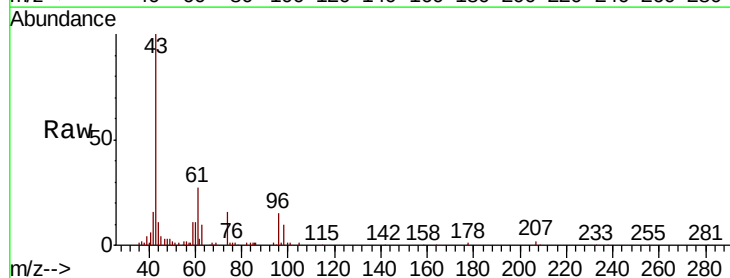
Acq: 30 Jul 2018 15:57

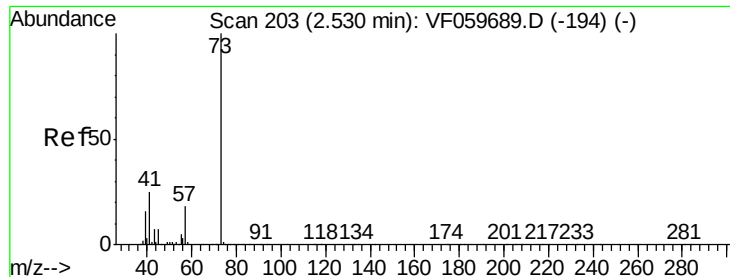
Tgt Ion: 43 Resp: 61945

Ion Ratio Lower Upper

43 100

74 16.0 11.8 17.6





#19

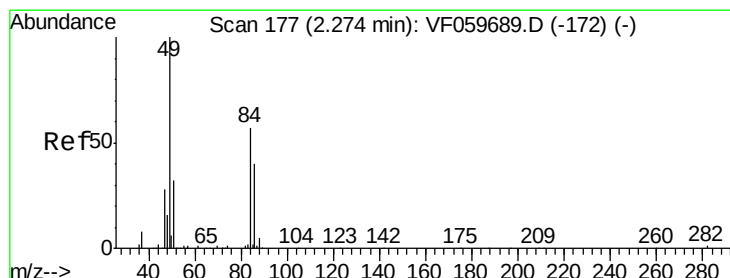
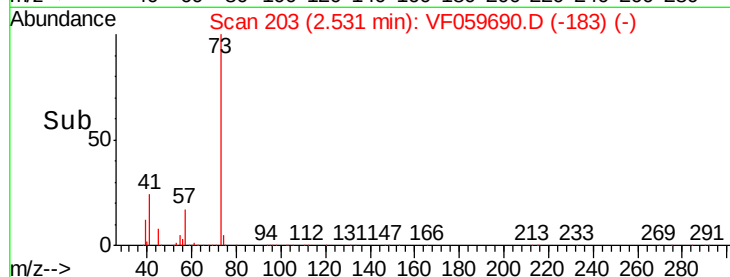
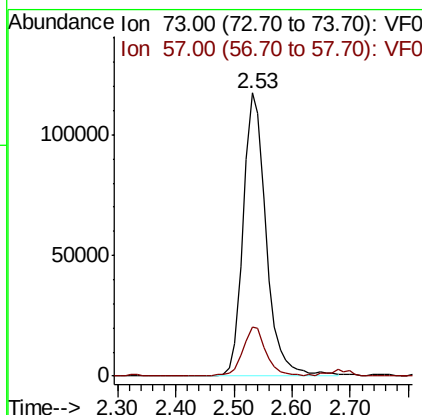
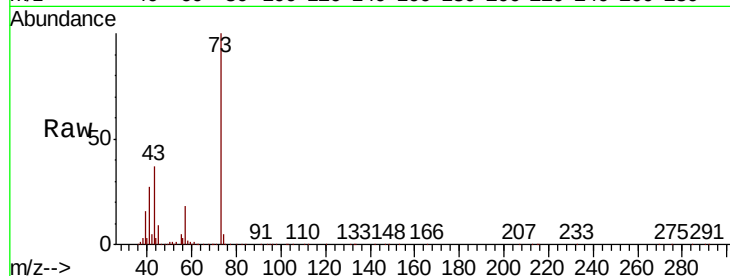
Methyl tert-butyl Ether
 Concen: 79.66 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.6	14.2	21.2

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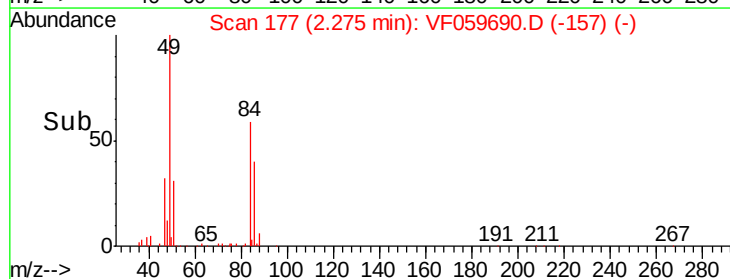
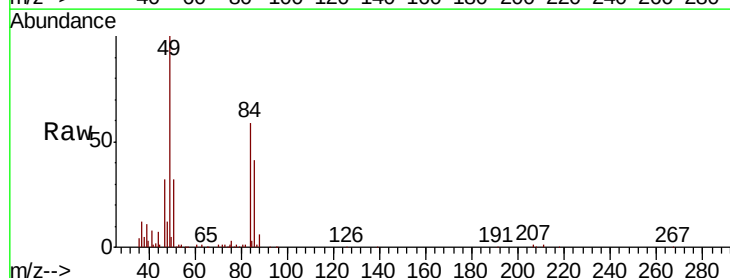
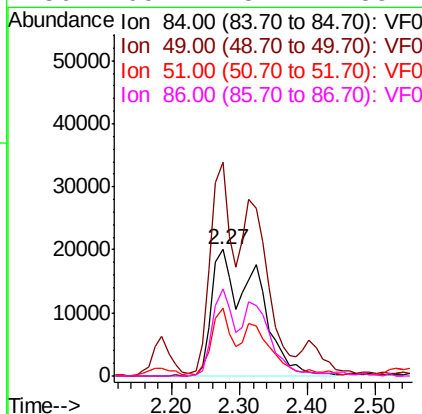
apatel
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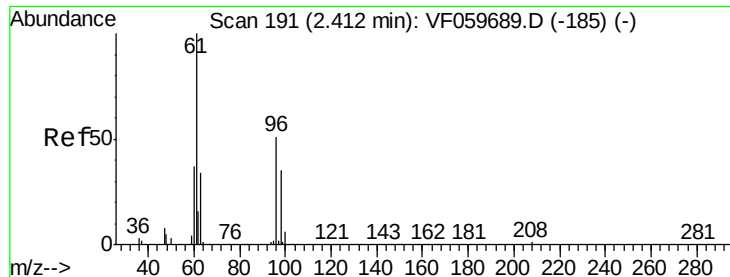


#20

Methylene Chloride
 Concen: 44.00 ug/l m
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	169.4	142.2	213.4
51	53.8	46.2	69.2
86	69.1	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 61.87 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

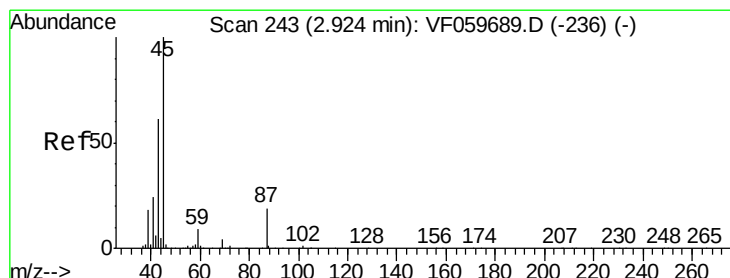
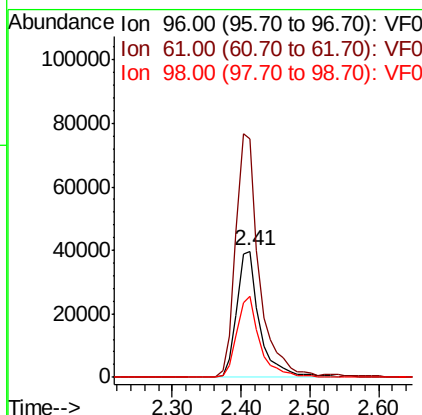
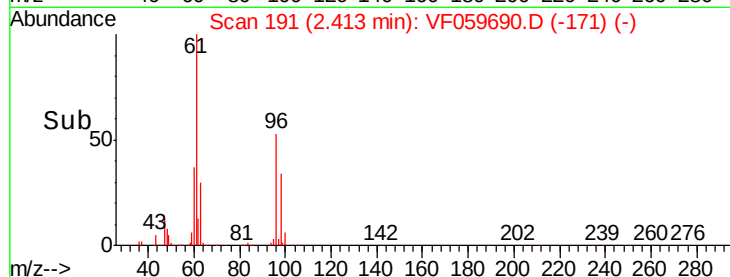
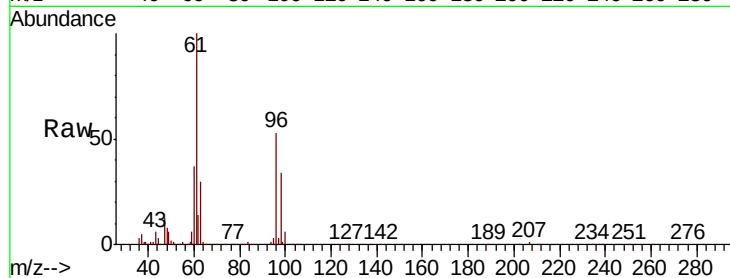
ClientSampled :

VSTDIC075

Tot Ion:	96	Resp:	92281
Ion Ratio	Lower	Upper	
96	100		
61	189.5	157.4	236.0
98	64.0	55.0	82.4

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#22

Diisopropyl ether

Concen: 71.95 ug/l

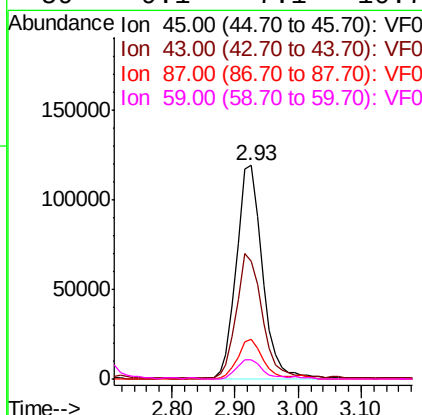
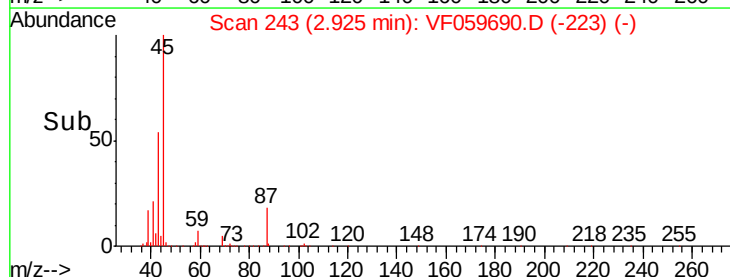
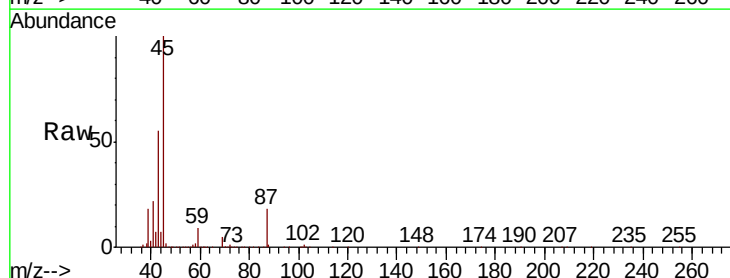
RT: 2.93 min Scan# 243

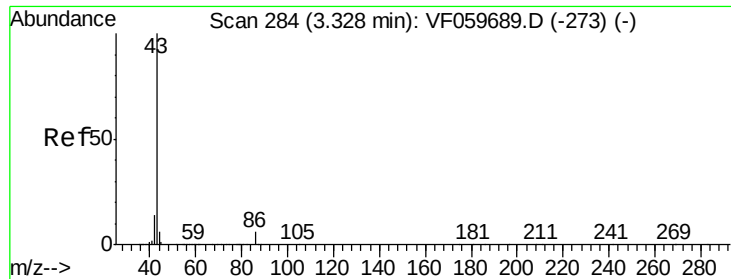
Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Tgt Ion:	45	Resp:	342095
Ion Ratio	Lower	Upper	
45	100		
43	55.2	49.3	73.9
87	18.4	15.3	22.9
59	9.1	7.1	10.7





#23

Vinyl Acetate

Concen: 392.48 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 925128

Ion Ratio Lower Upper

43 100

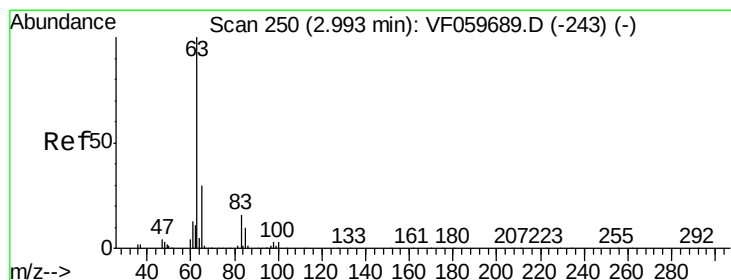
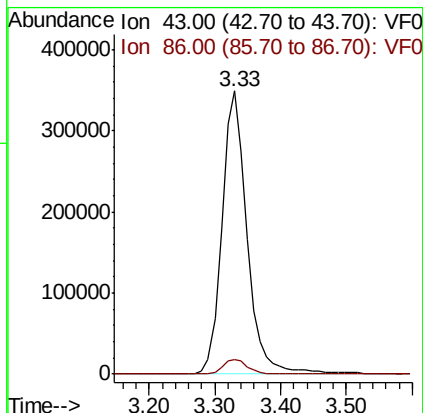
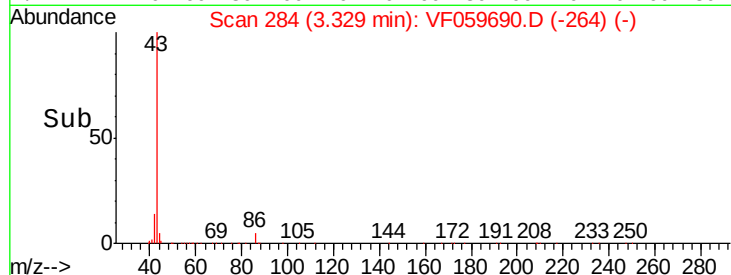
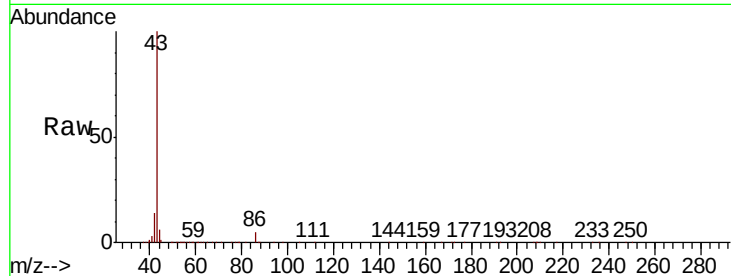
86 5.2 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 70.53 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

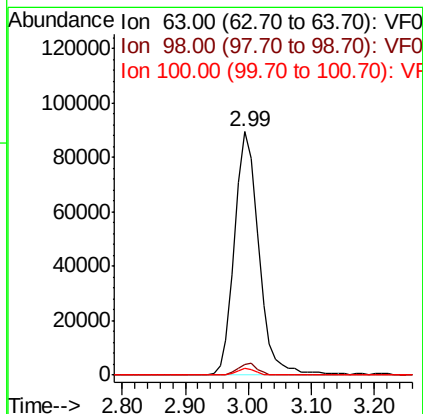
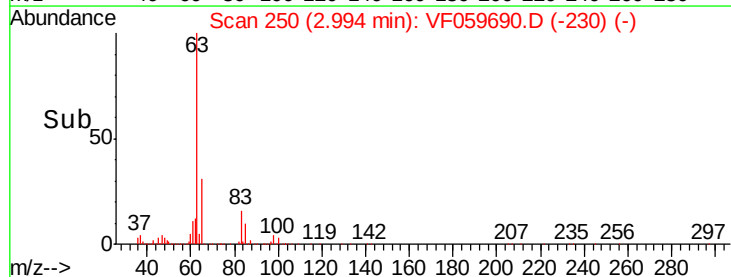
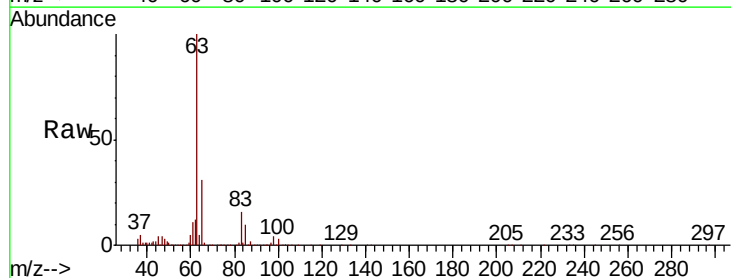
Tgt Ion: 63 Resp: 238587

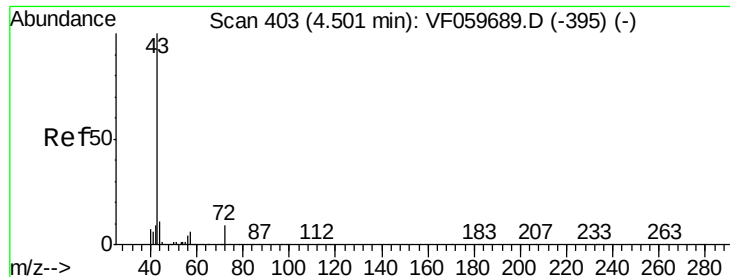
Ion Ratio Lower Upper

63 100

98 4.1 1.4 4.2

100 2.8 1.6 4.7





#25

2-Butanone

Concen: 347.91 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 218240

Ion Ratio Lower Upper

43 100

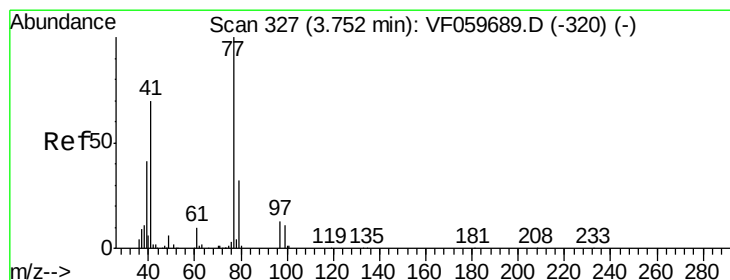
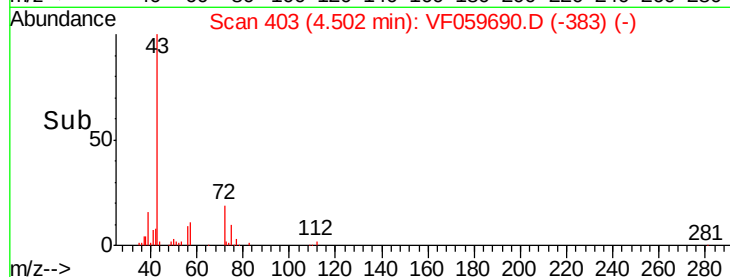
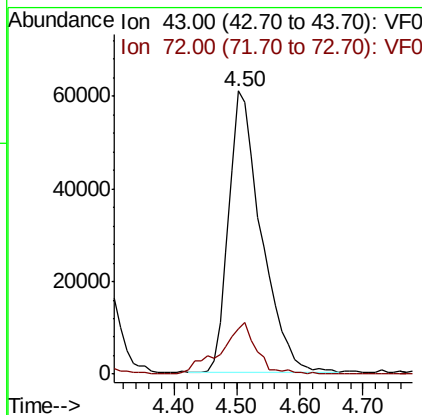
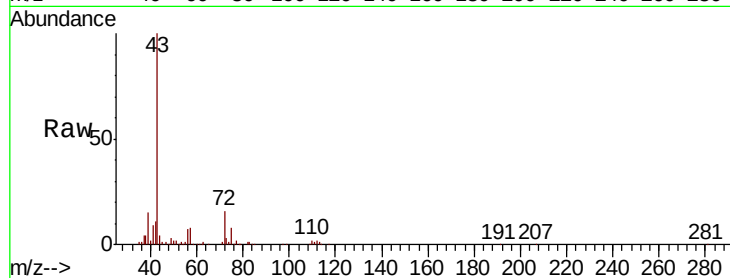
72 16.0 7.7 11.5#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 60.99 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059690.D

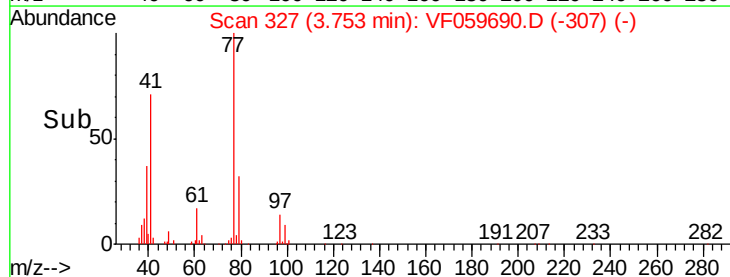
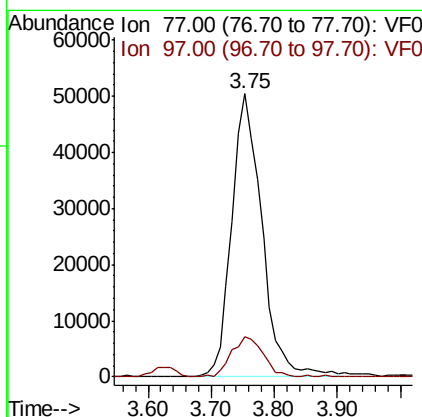
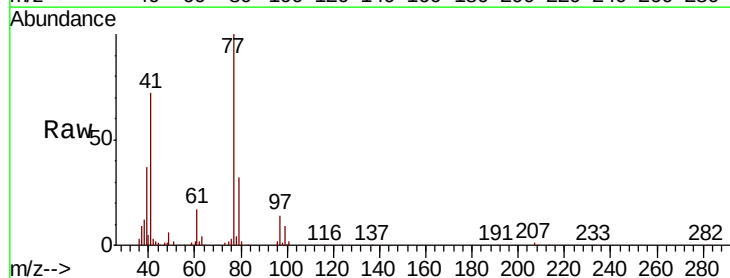
Acq: 30 Jul 2018 15:57

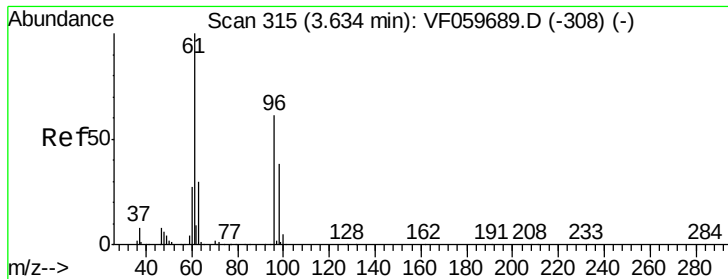
Tgt Ion: 77 Resp: 167846

Ion Ratio Lower Upper

77 100

97 14.3 6.8 20.4





#27

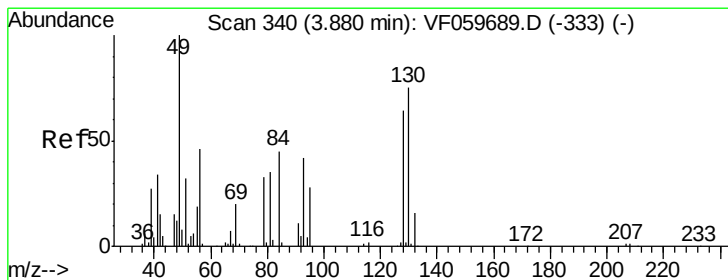
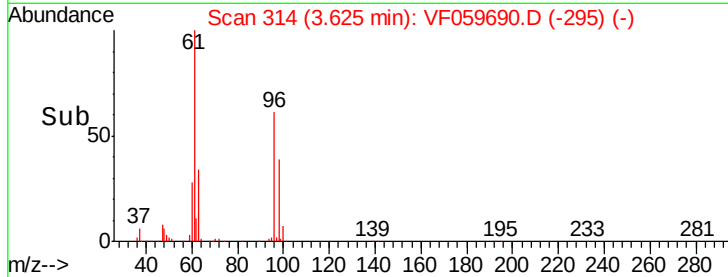
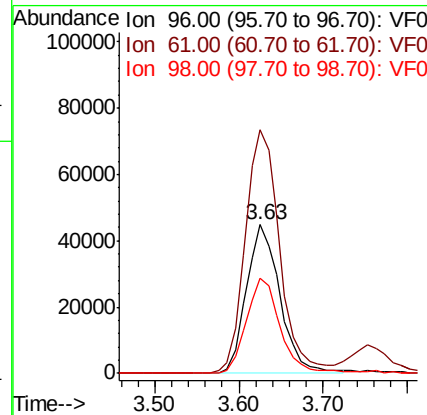
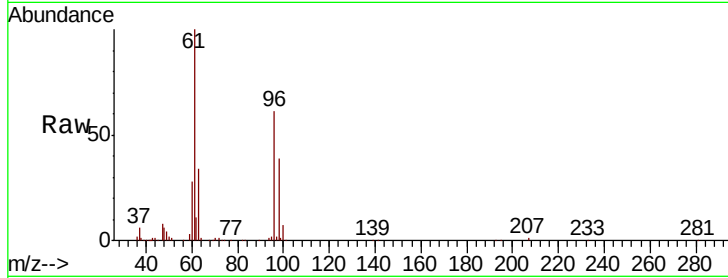
cis-1,2-Dichloroethene
Concen: 71.50 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleID :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	125079		
61	163.7	0.0	326.8	
98	64.3	0.0	125.2	

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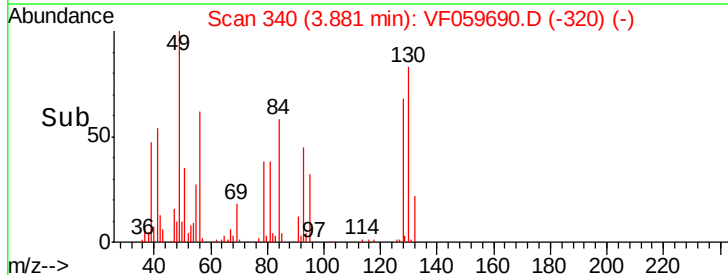
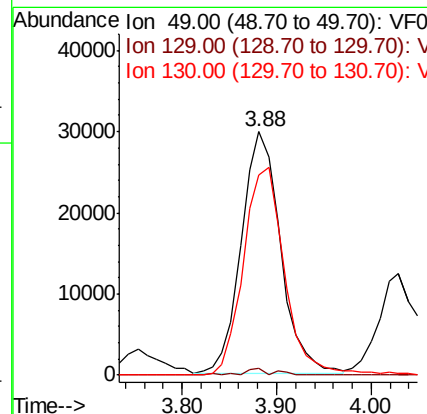
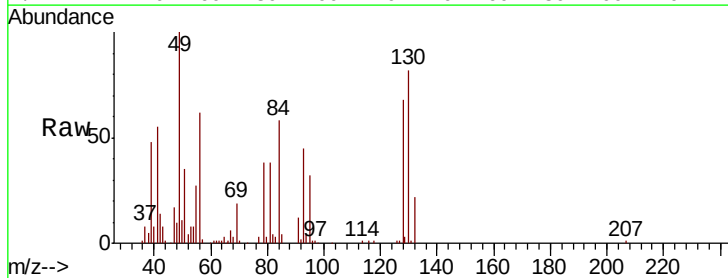
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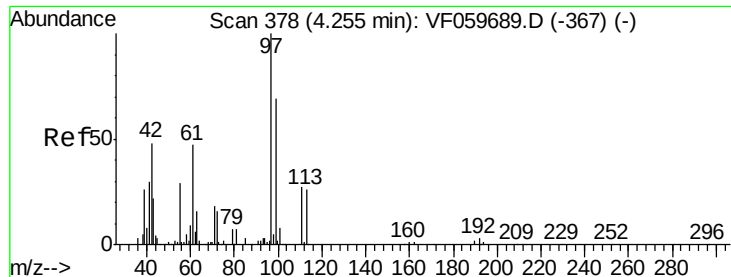


#28

Bromochloromethane
Concen: 68.31 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	85136		
129	2.6	0.0	4.8	
130	82.3	59.6	89.4	





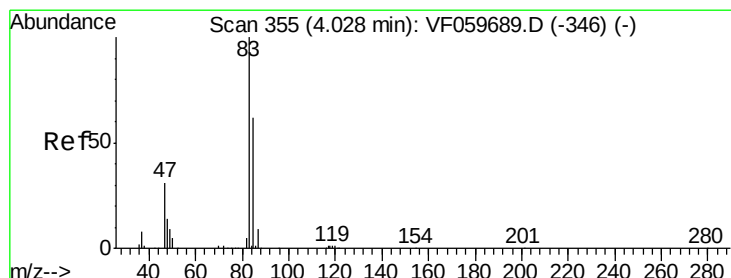
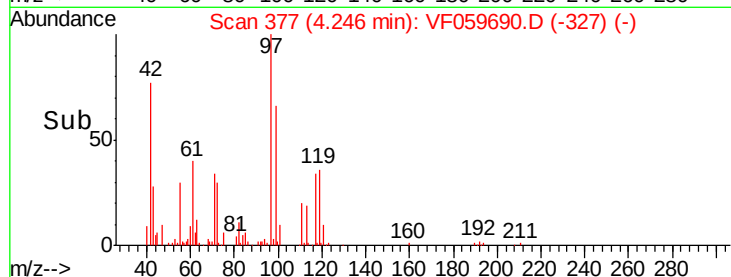
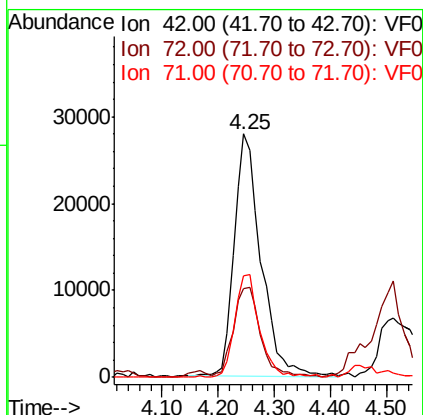
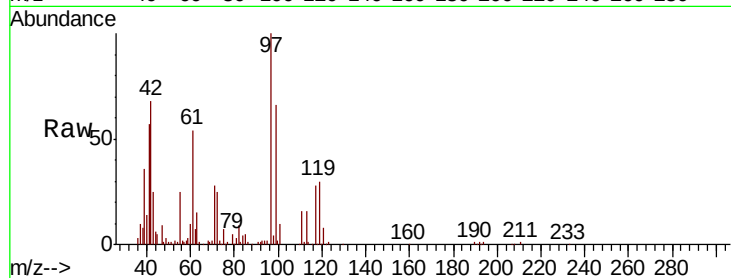
#29
Tetrahydrofuran
Concen: 367.15 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	27.0	40.6
71	39.3	29.7	44.5

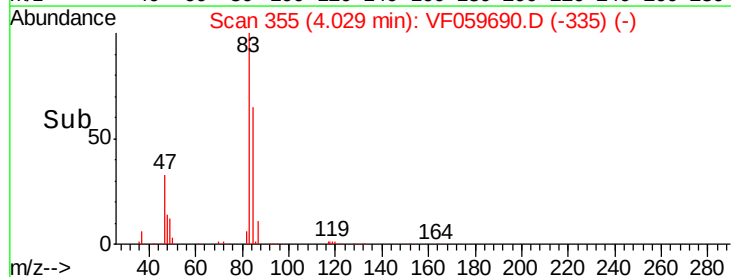
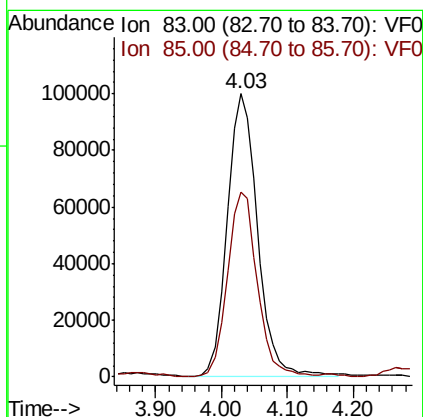
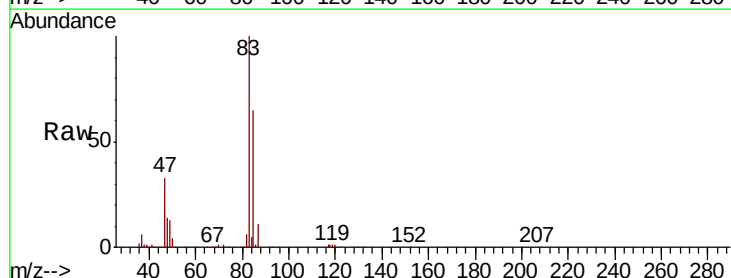
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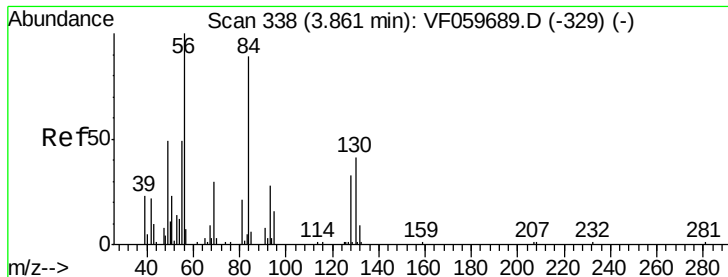
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#30
Chloroform
Concen: 67.30 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.4	74.0





#31

Cyclohexane

Concen: 63.29 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

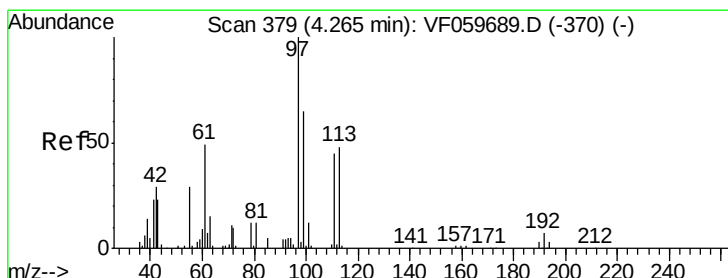
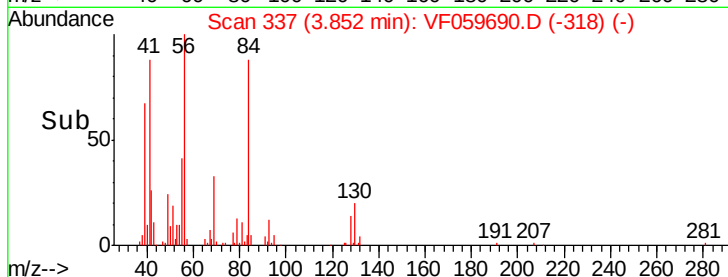
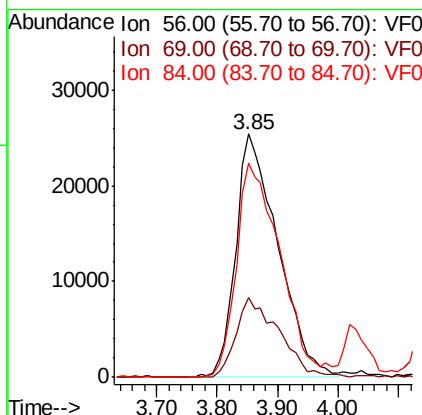
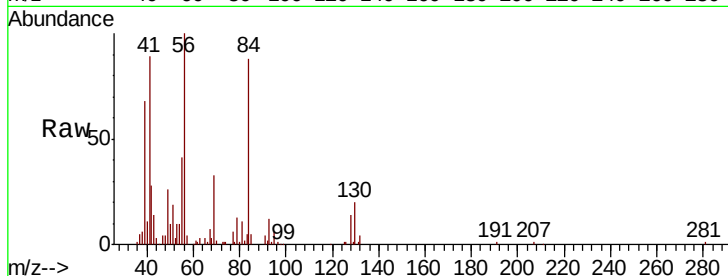
ClientSampleId :

VSTDIC075

Tot Ion:	56	Resp:	123030
Ion	Ratio	Lower	Upper
56	100		
69	32.7	23.7	35.5
84	88.1	71.1	106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 65.81 ug/l

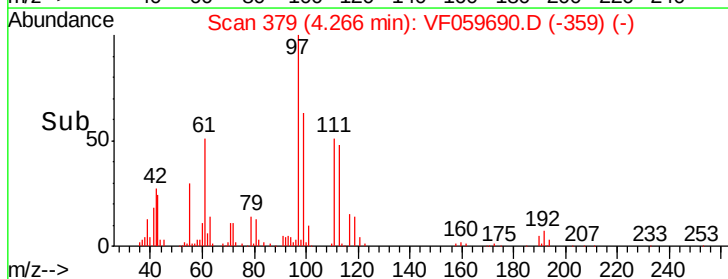
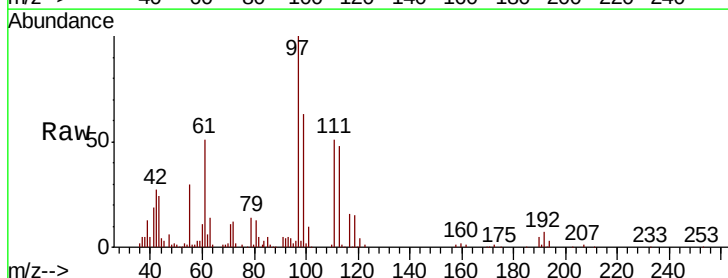
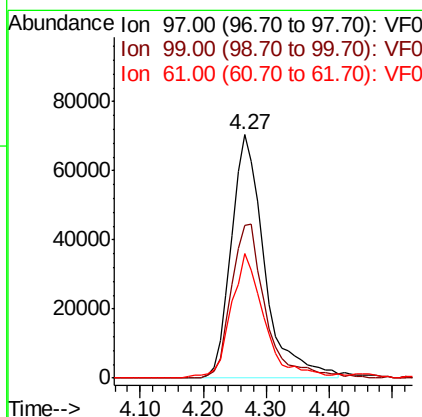
RT: 4.27 min Scan# 379

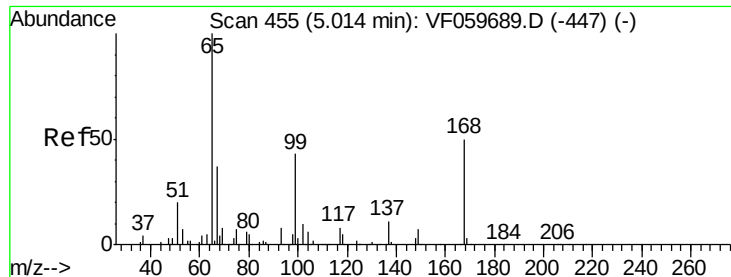
Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Tgt Ion:	97	Resp:	257994
Ion	Ratio	Lower	Upper
97	100		
99	62.6	52.4	78.6
61	51.3	39.7	59.5





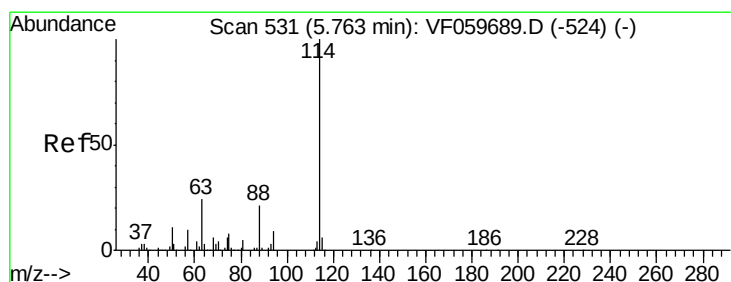
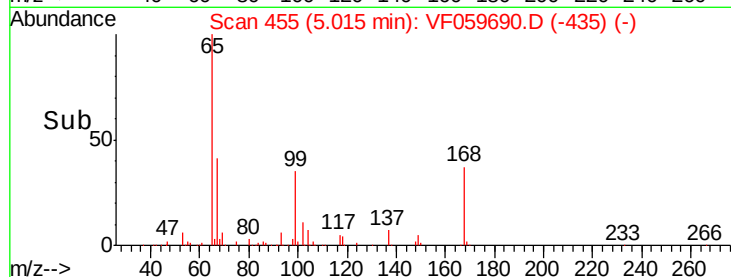
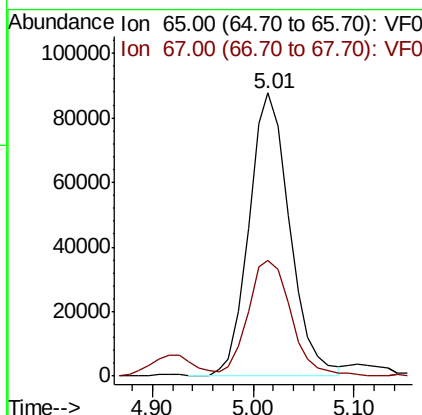
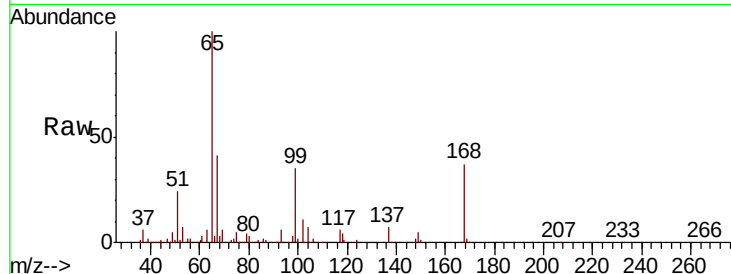
#33
 1,2-Dichloroethane-d4
 Concen: 78.38 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	244918		
67	41.1	0.0	84.6	

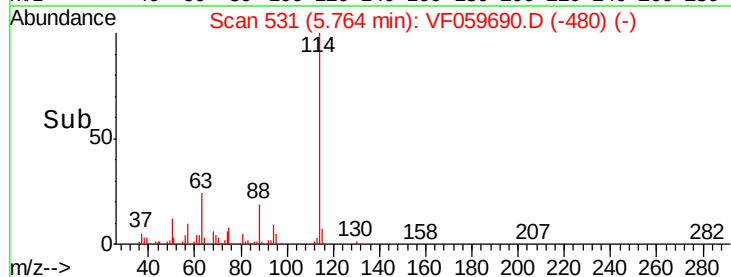
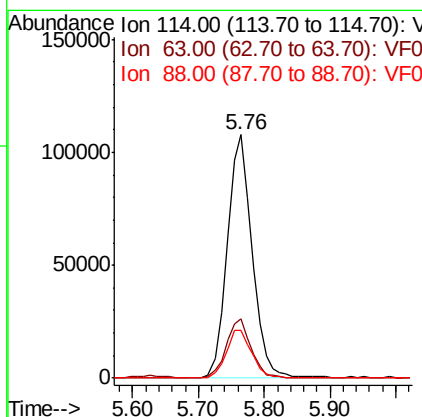
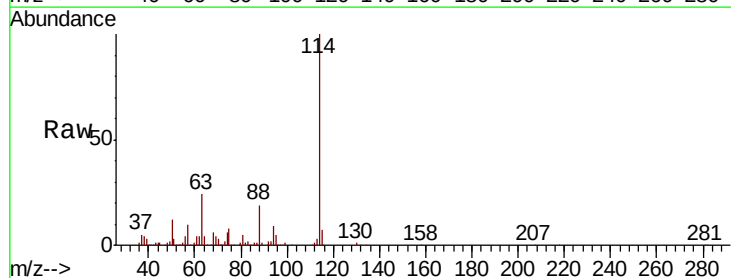
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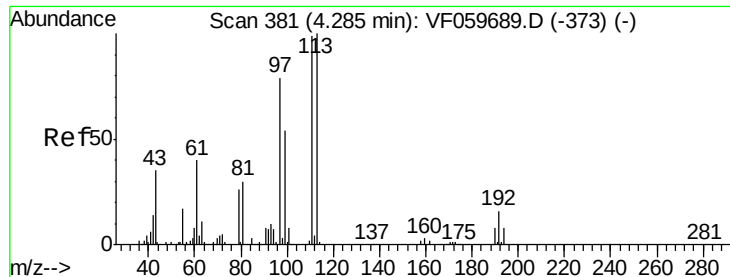
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	286436		
63	24.4	0.0	47.4	
88	19.4	0.0	41.2	





#35

Dibromofluoromethane

Concen: 73.02 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

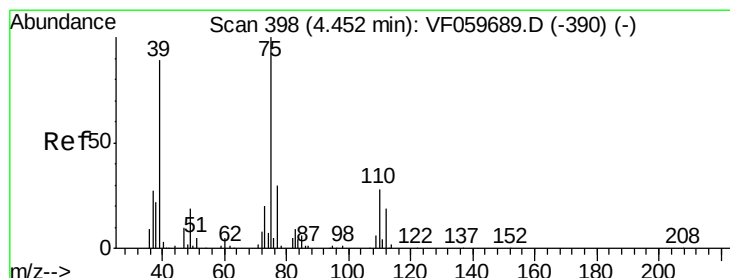
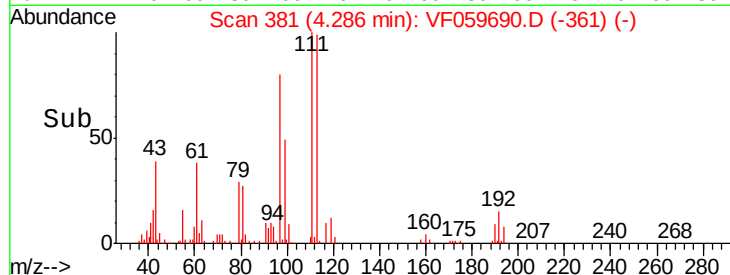
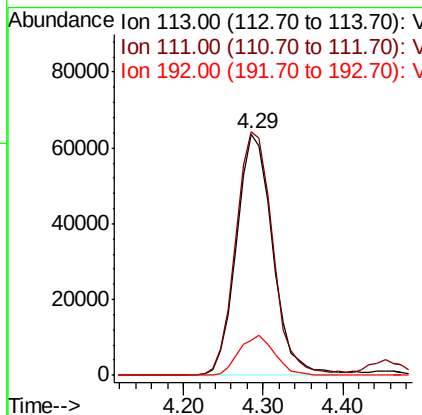
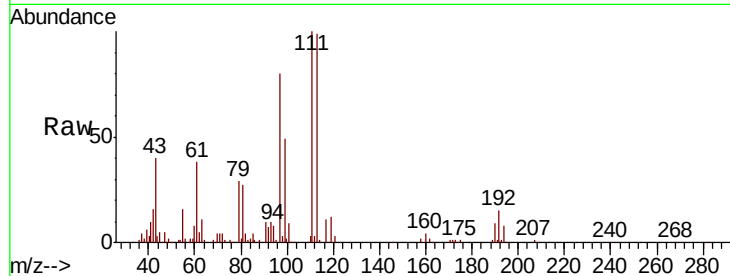
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	200184
Ion Ratio	Lower	Upper	
113	100		
111	100.9	79.0	118.4
192	14.7	13.2	19.8

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#36

1,1-Dichloropropene

Concen: 61.70 ug/l

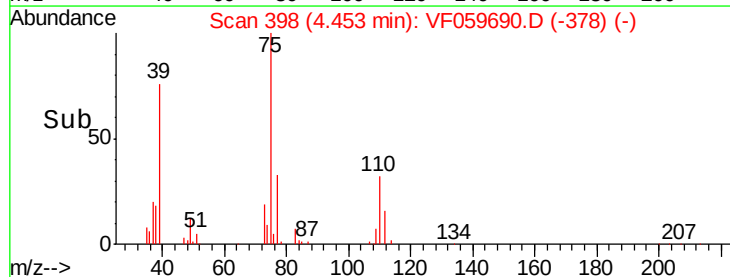
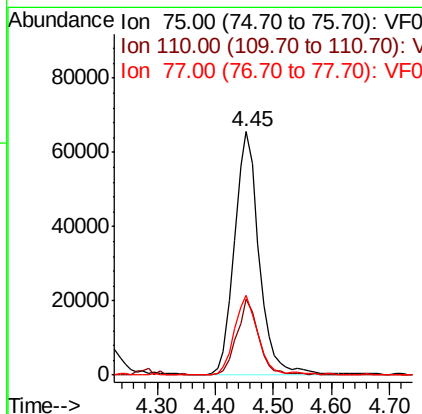
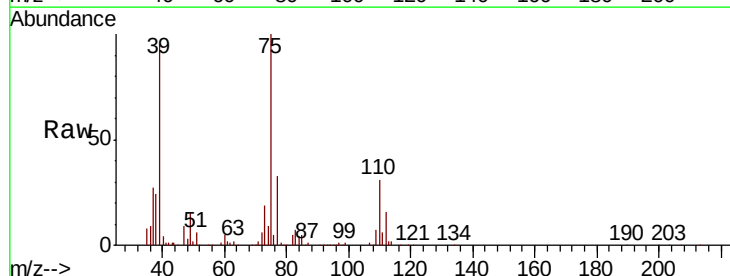
RT: 4.45 min Scan# 398

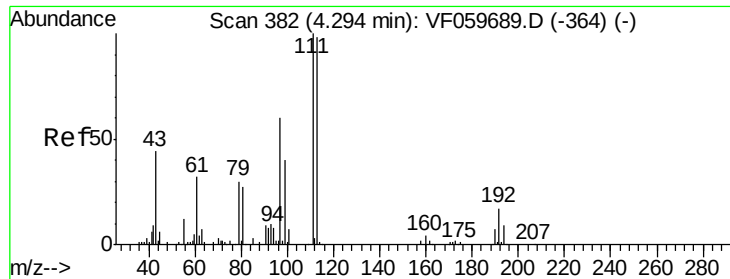
Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Tgt Ion:	75	Resp:	191684
Ion Ratio	Lower	Upper	
75	100		
110	31.0	14.0	41.9
77	32.7	24.2	36.2





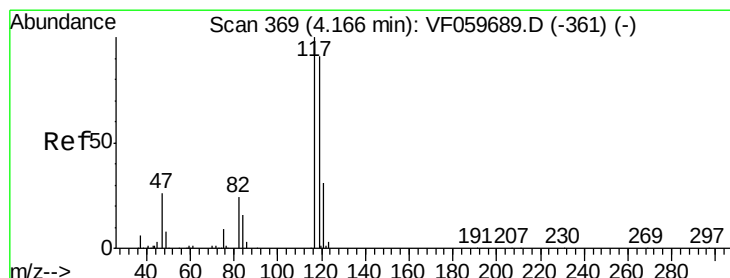
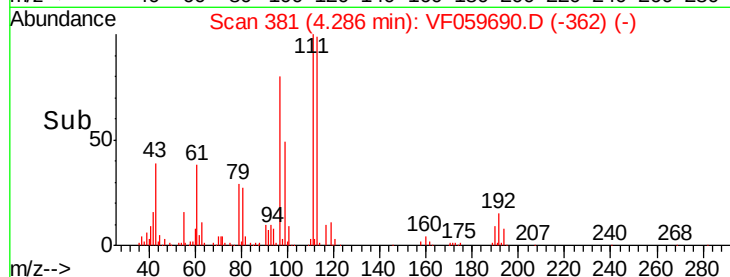
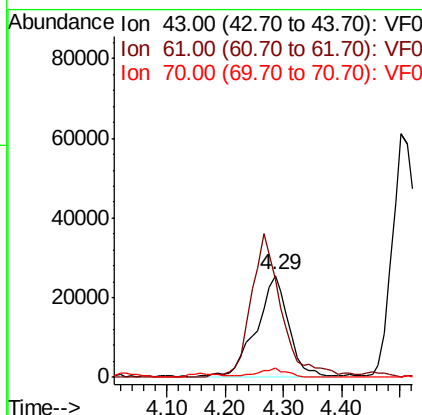
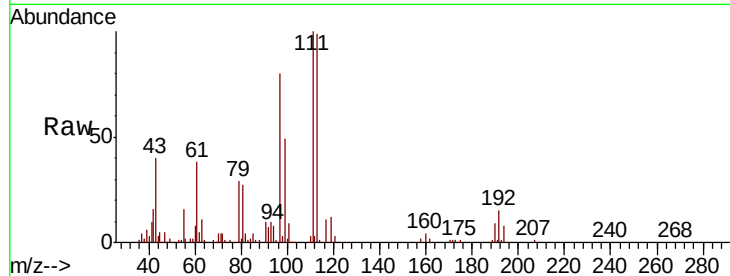
#37
Ethyl Acetate
Concen: 71.61 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	95.6	58.2				87.2#
70	9.2	6.0				9.0#

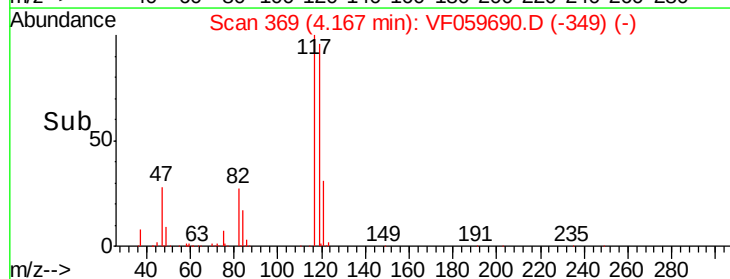
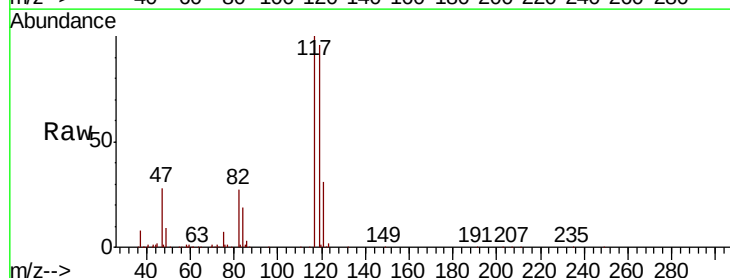
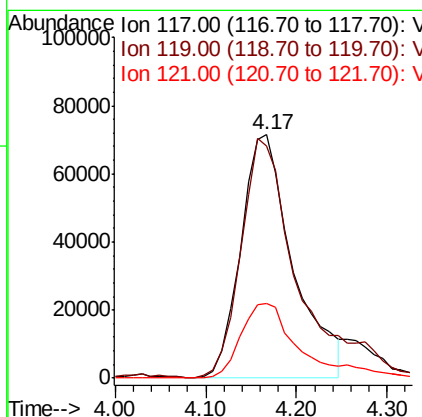
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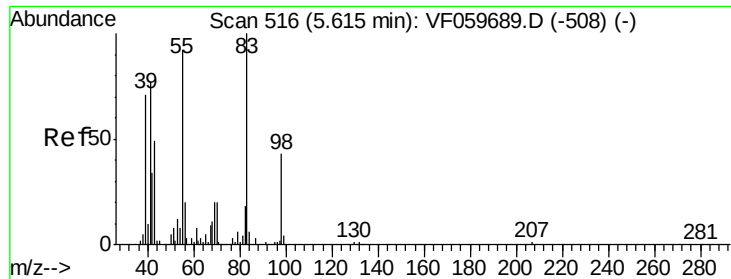
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#38
Carbon Tetrachloride
Concen: 62.78 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	95.5	72.9				109.3
121	30.8	25.0				37.4





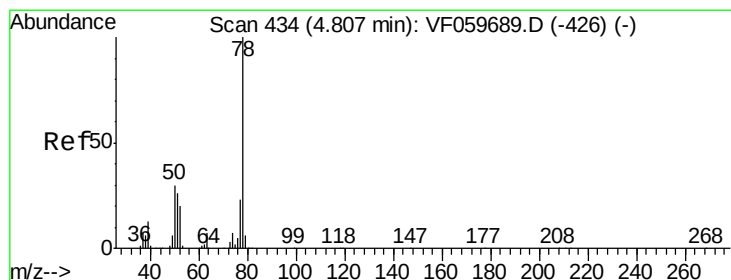
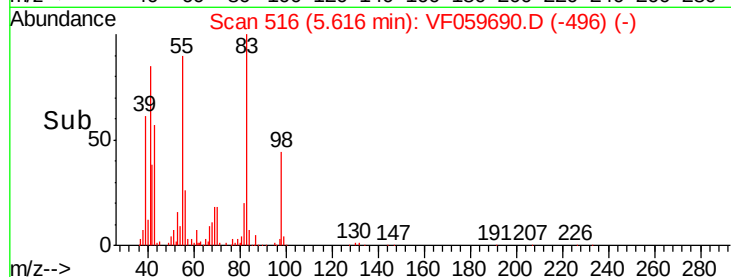
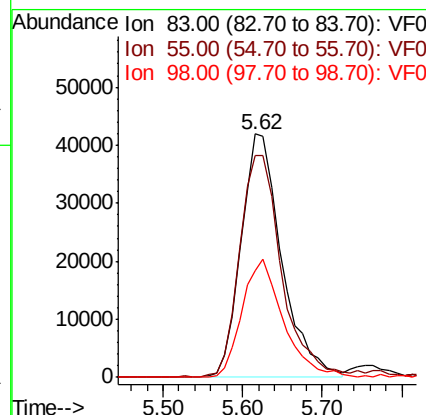
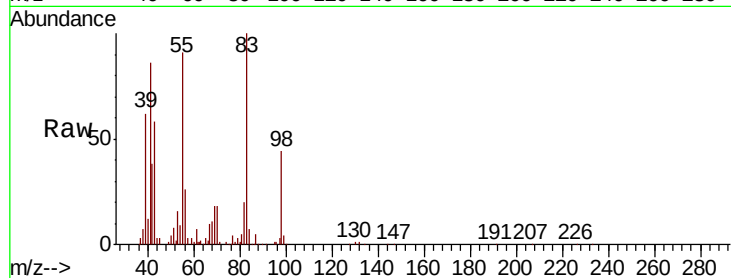
#39
Methylvlcyclohexane
Concen: 58.50 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.1	73.4	110.2
98	43.9	34.2	51.4

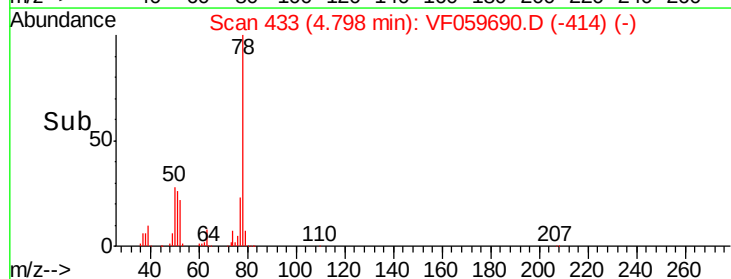
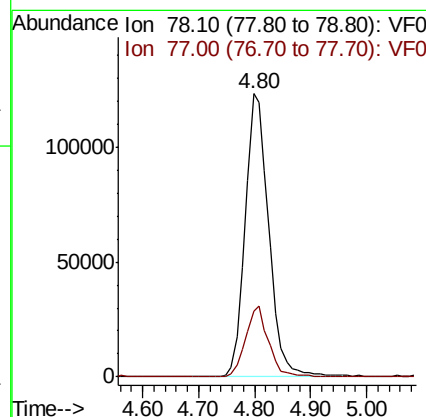
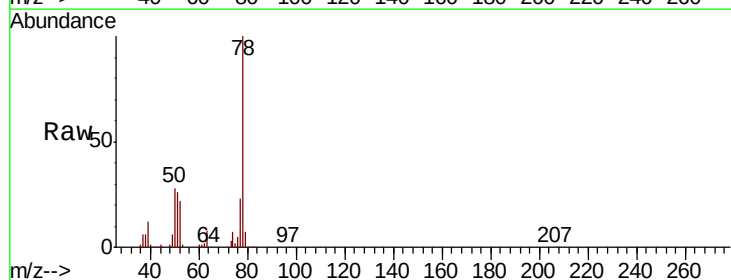
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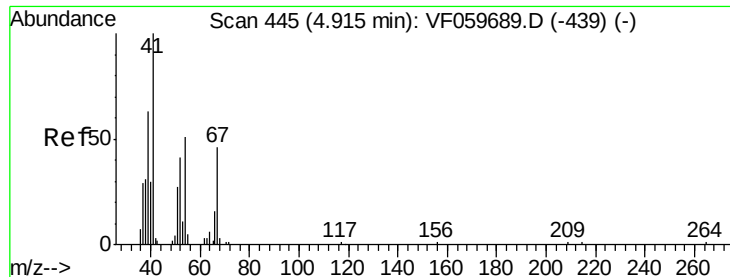
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#40
Benzene
Concen: 65.09 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





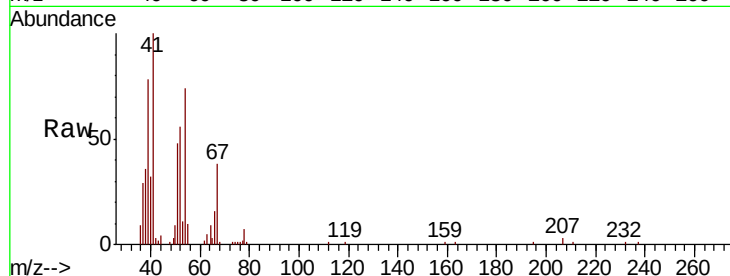
#41
Methacrylonitrile
Concen: 72.97 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

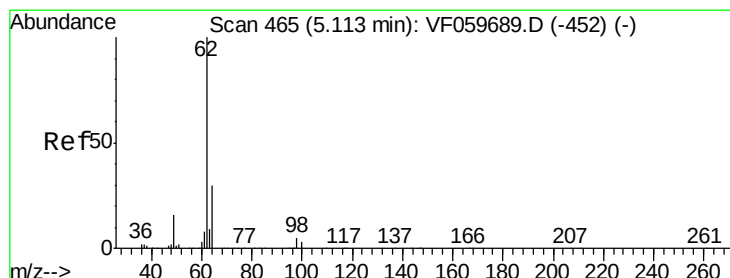
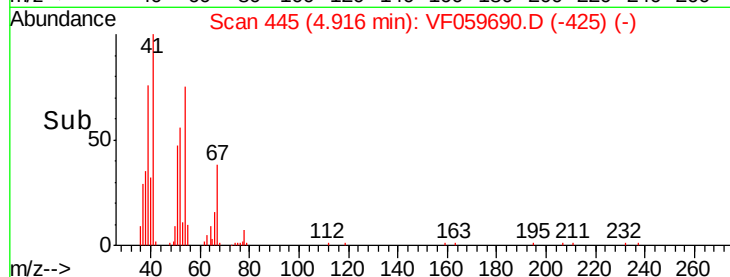
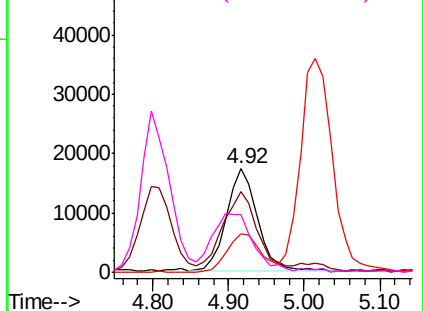
Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	78.3	55.2	82.8
67	67	37.5	36.2	54.2
52	52	55.7	37.7	56.5

Manual Integrations
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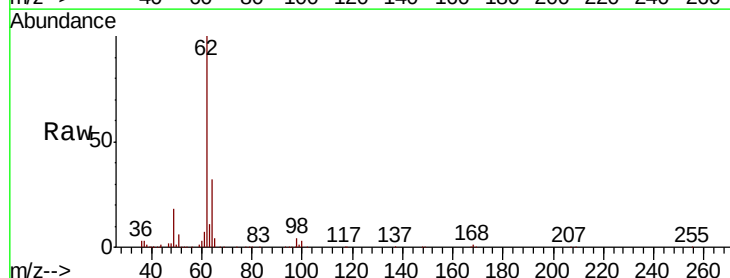


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

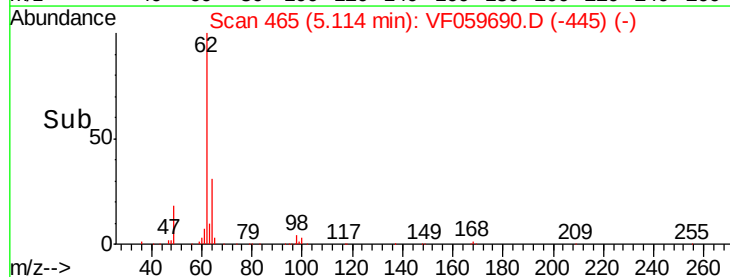
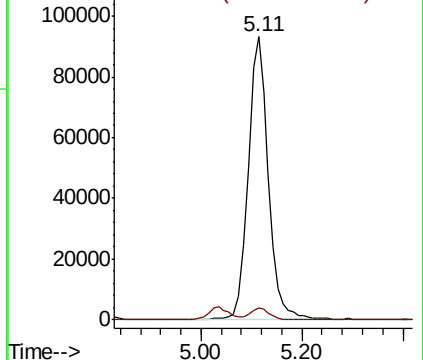


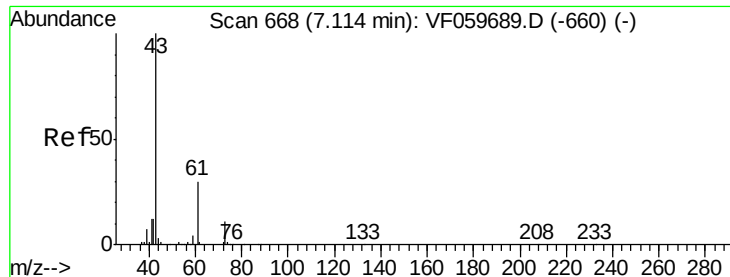
#42
1,2-Dichloroethane
Concen: 72.56 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	4.2	0.0	9.6



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





#43

Isopropyl Acetate

Concen: 77.17 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

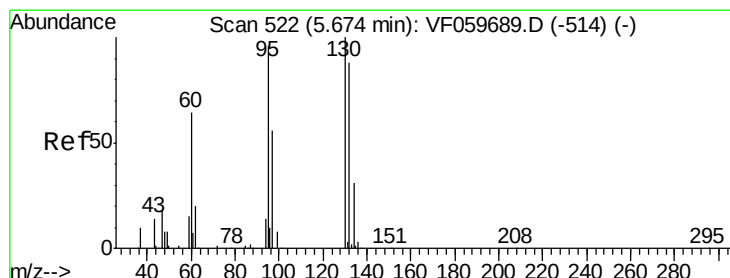
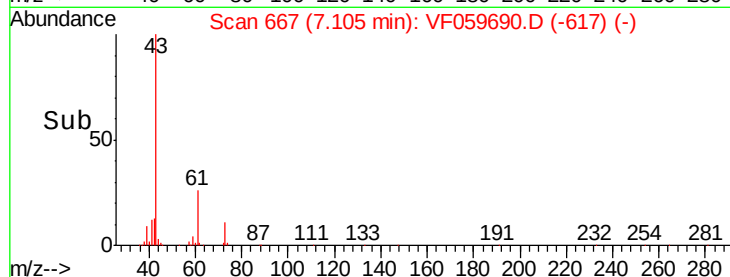
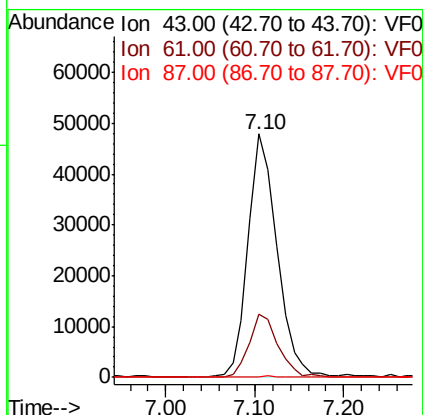
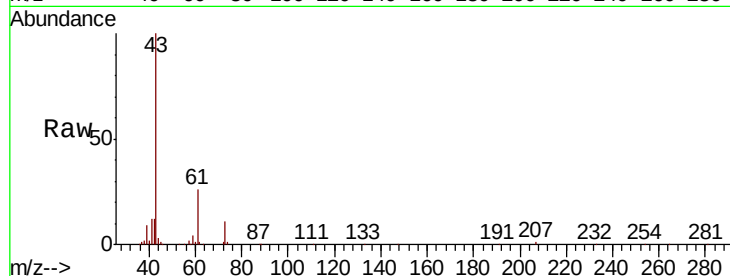
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	108294
Ion Ratio	Lower	Upper	
43	100		
61	26.0	23.8	35.8
87	0.4	0.6	1.0#

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#44

Trichloroethene

Concen: 58.24 ug/l

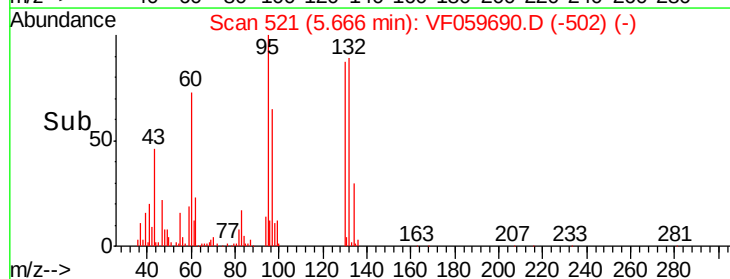
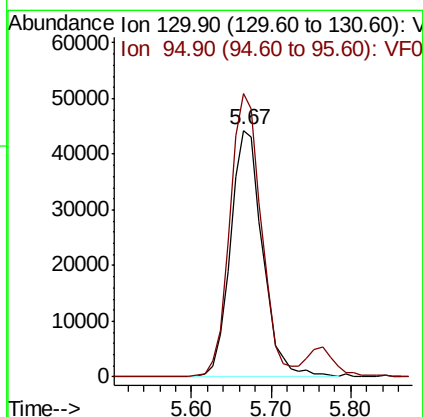
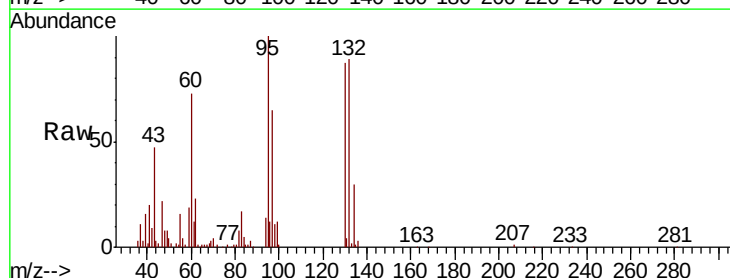
RT: 5.67 min Scan# 521

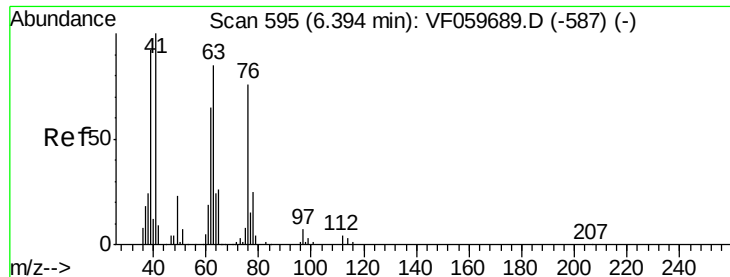
Delta R.T. -0.01 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Tgt Ion:	130	Resp:	124479
Ion Ratio	Lower	Upper	
130	100		
95	114.7	0.0	191.0





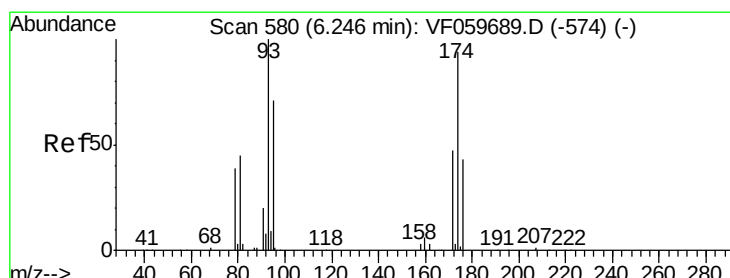
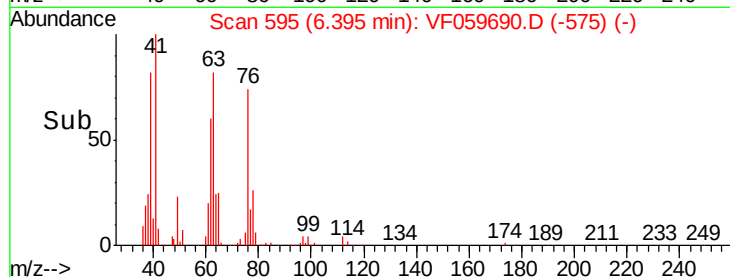
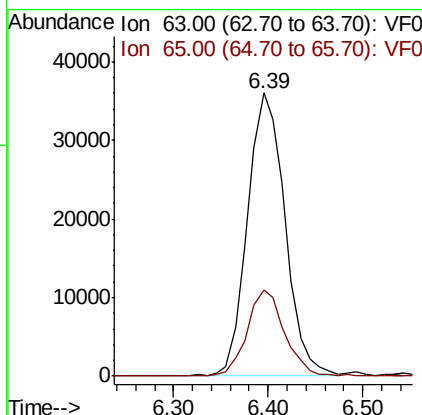
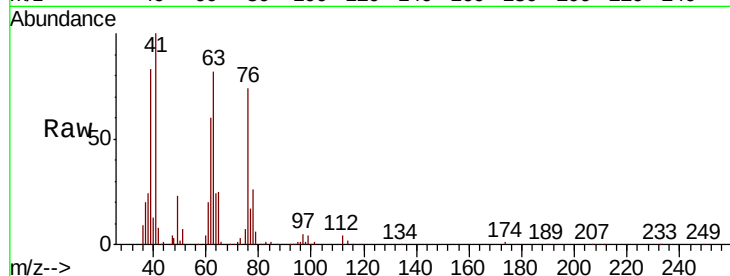
#45
1,2-Dichloropropane
Concen: 67.79 ug/l
RT: 6.39 min Scan# 595
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	63	Resp	99409
Ion Ratio	Lower	Upper	
63	100		
65	31.4	25.2	37.8

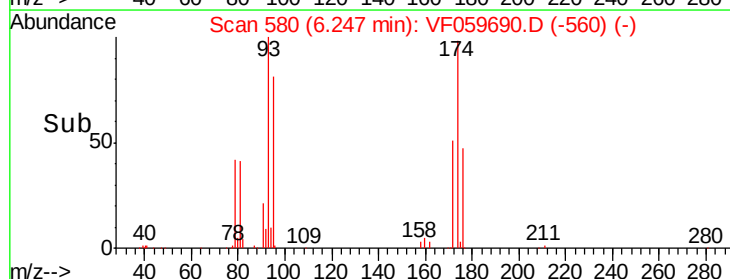
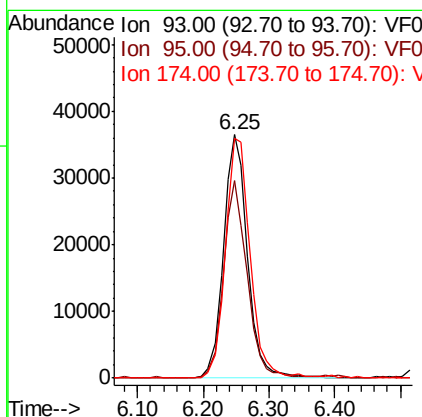
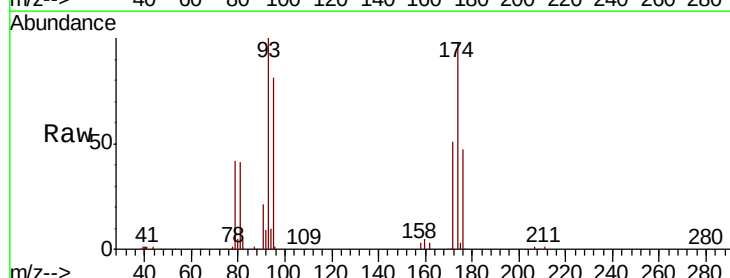
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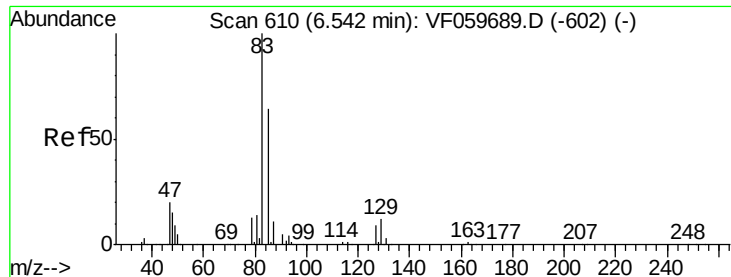
apatel
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#46
Dibromomethane
Concen: 72.69 ug/l
RT: 6.25 min Scan# 580
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion	93	Resp	92564
Ion Ratio	Lower	Upper	
93	100		
95	81.4	57.1	85.7
174	98.3	74.8	112.2





#47

Bromodichloromethane

Concen: 68.03 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

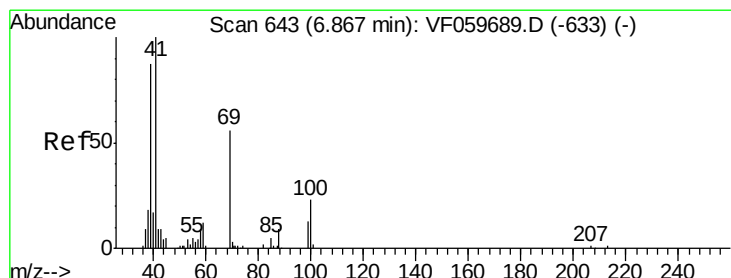
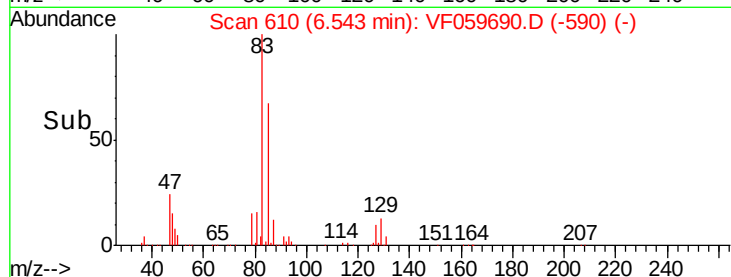
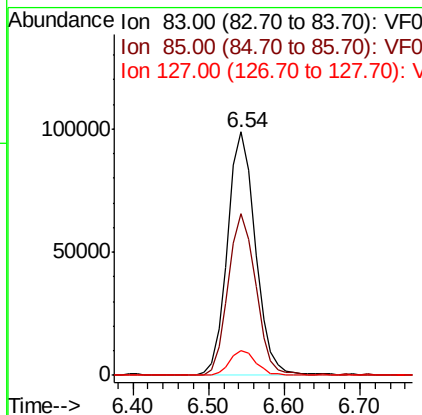
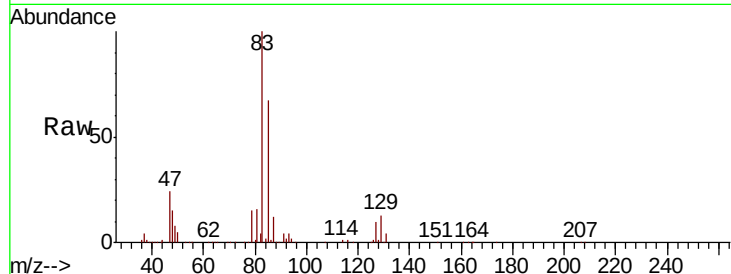
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	253810
Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.0	76.6
127	9.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 80.66 ug/l

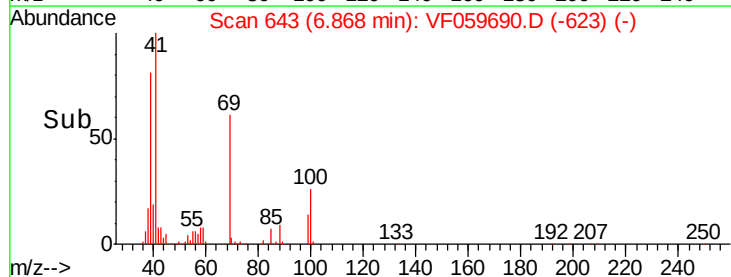
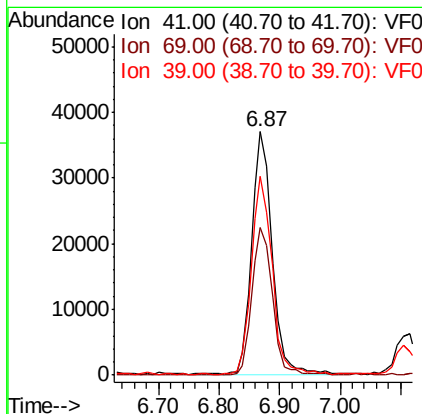
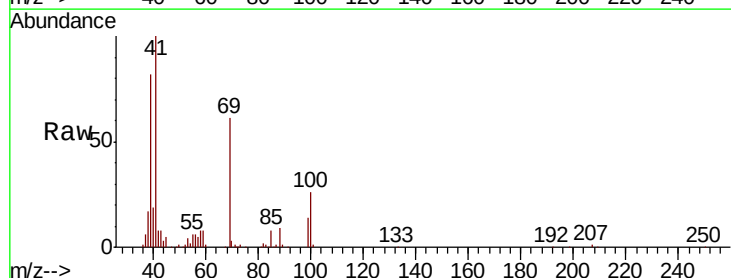
RT: 6.87 min Scan# 643

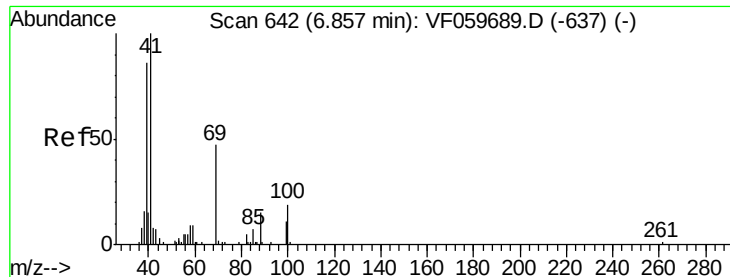
Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Tgt Ion:	41	Resp:	88831
Ion	Ratio	Lower	Upper
41	100		
69	60.7	44.4	66.6
39	81.6	69.4	104.2





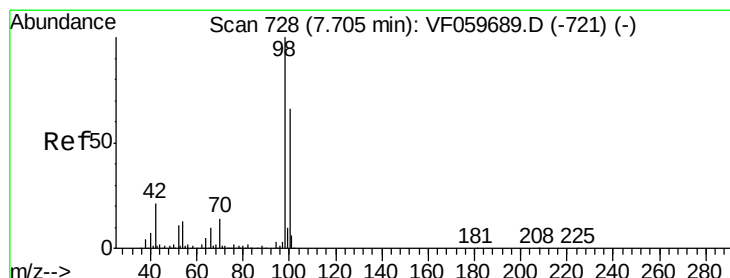
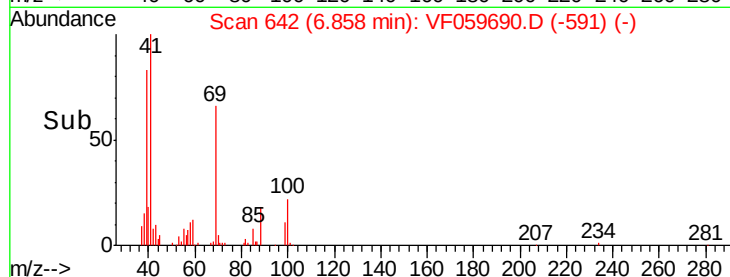
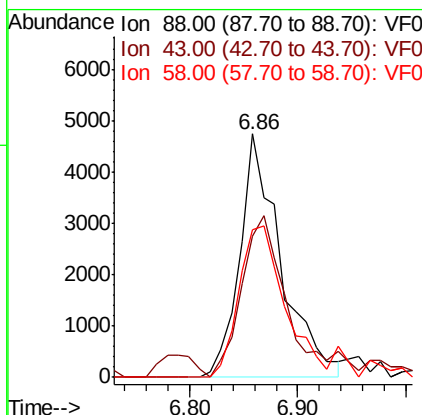
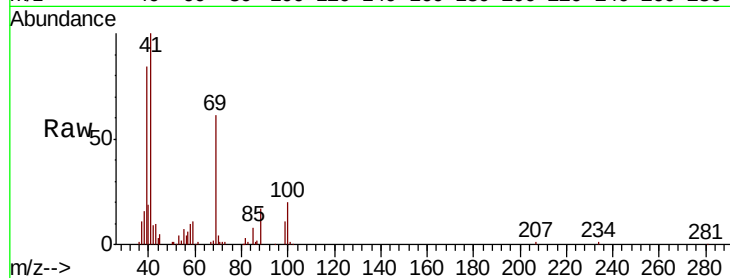
#49
1,4-Dioxane
Concen: 1427.68 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	58.2	45.2	67.8
58	60.5	49.0	73.6

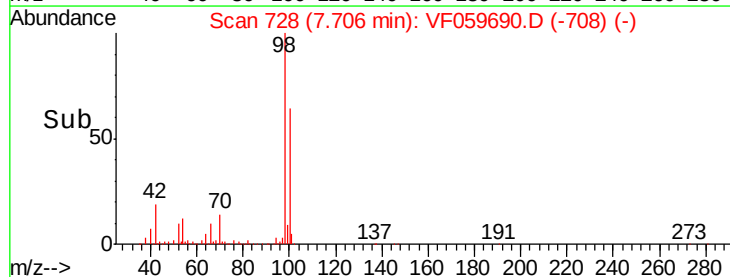
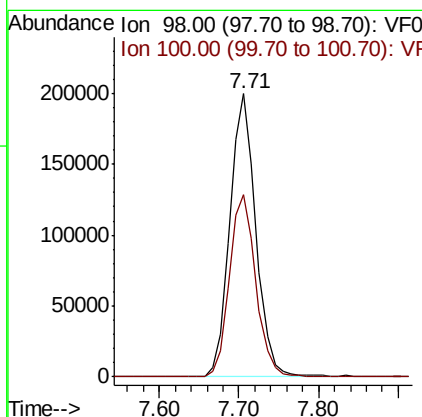
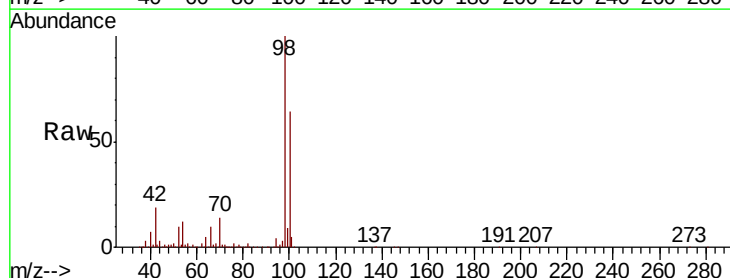
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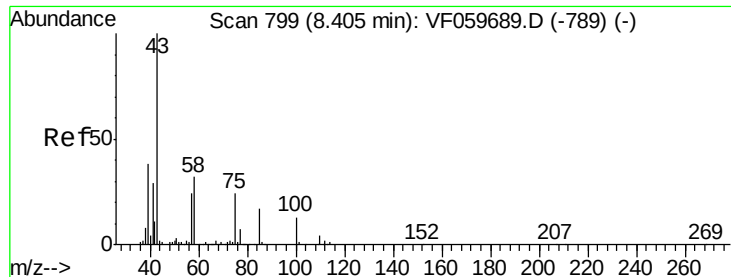
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#50
Toluene-d8
Concen: 68.79 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 385.26 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 435064

Ion Ratio Lower Upper

43 100

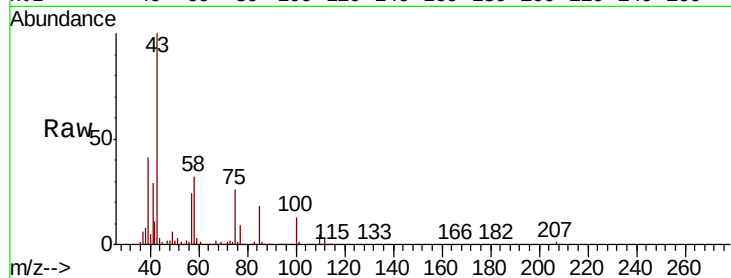
58 32.2 25.9 38.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

200000

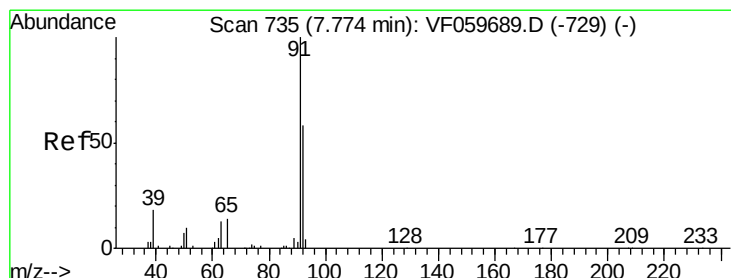
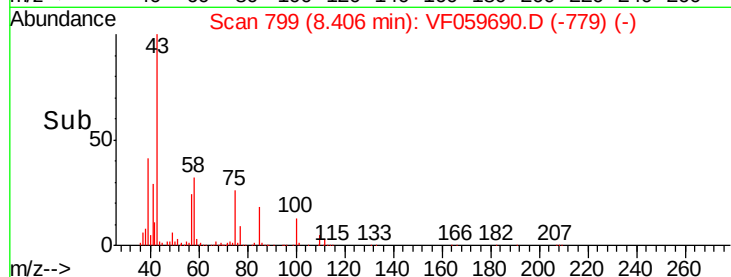
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 63.24 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059690.D

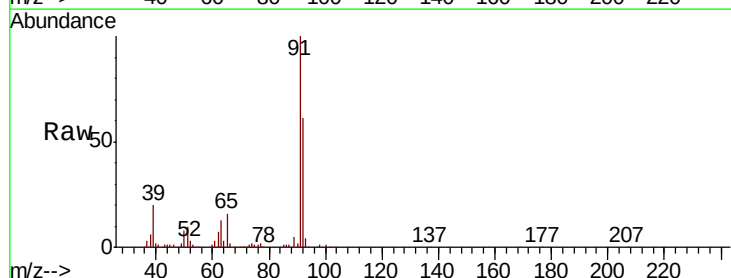
Acq: 30 Jul 2018 15:57

Tgt Ion: 92 Resp: 259198

Ion Ratio Lower Upper

92 100

91 164.6 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

200000

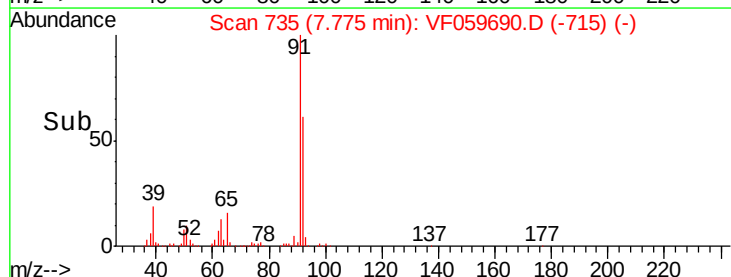
150000

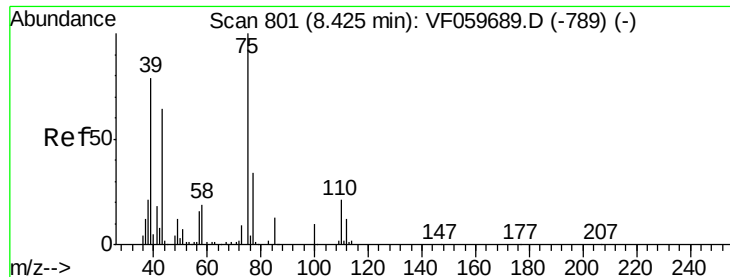
100000

50000

0

Time--> 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 71.12 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampled :

VSTDIC075

Tot Ion: 75 Resp: 212257

Ion Ratio Lower Upper

75 100

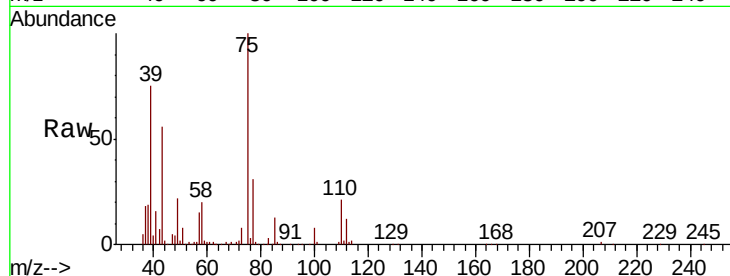
77 30.9 27.0 40.4

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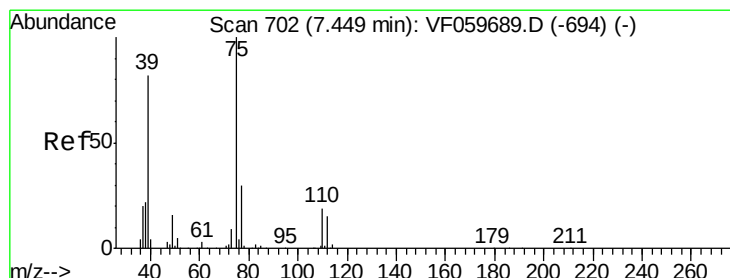
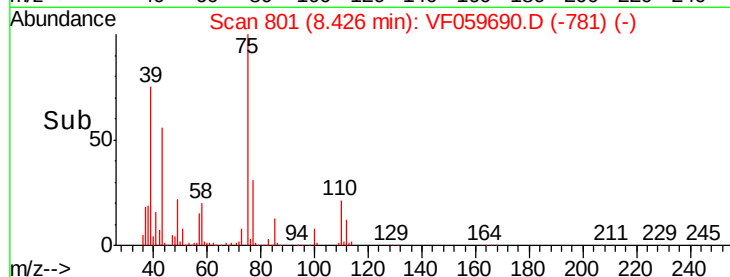
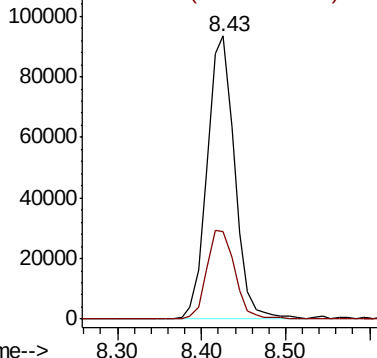
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 70.06 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

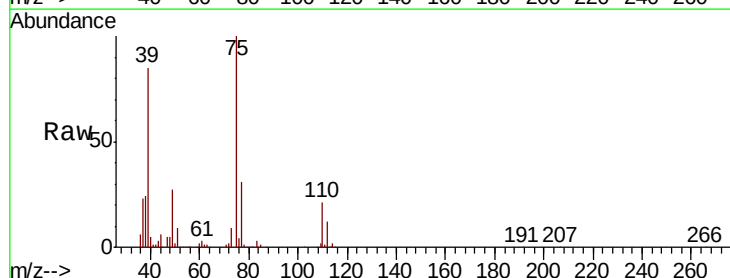
Tgt Ion: 75 Resp: 216962

Ion Ratio Lower Upper

75 100

77 30.8 24.0 36.0

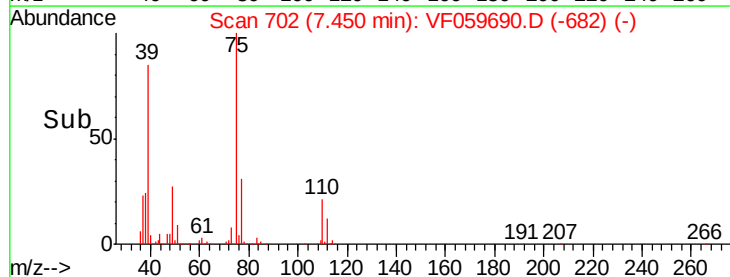
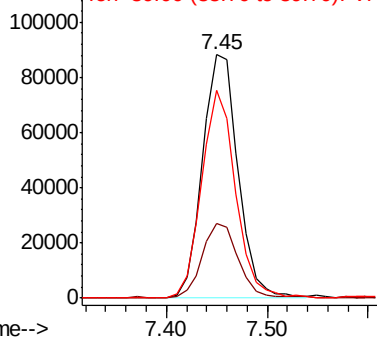
39 85.2 65.4 98.2

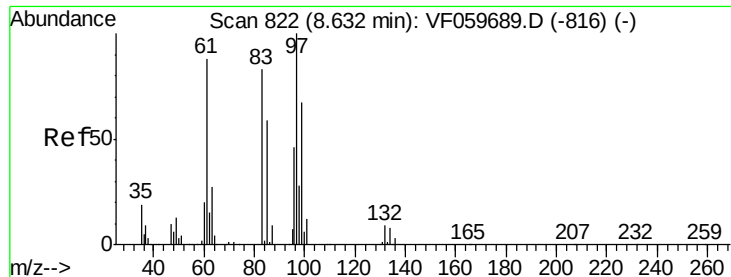


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 72.39 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

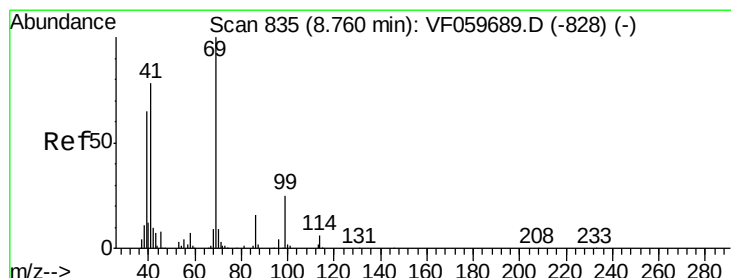
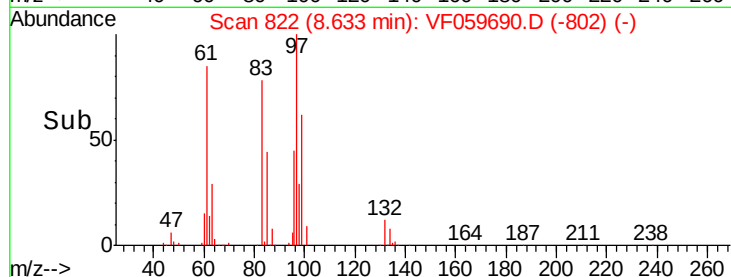
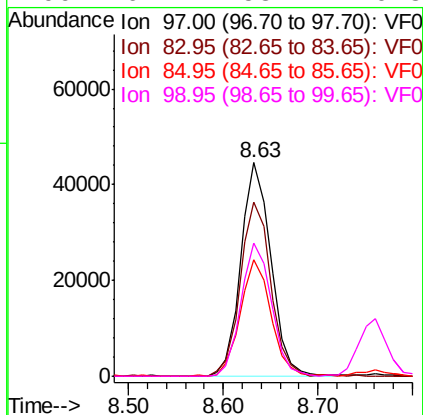
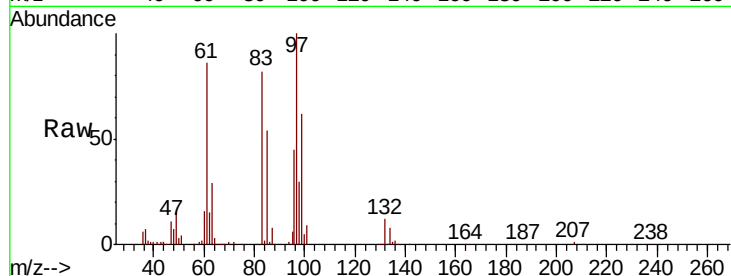
ClientSampleId :

VSTDIC075

Tot Ion:	97	Resp:	98551
Ion Ratio	Lower	Upper	
97	100		
83	81.7	66.6	100.0
85	54.3	47.4	71.0
99	62.2	53.2	79.8

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#56

Ethyl methacrylate

Concen: 78.91 ug/l

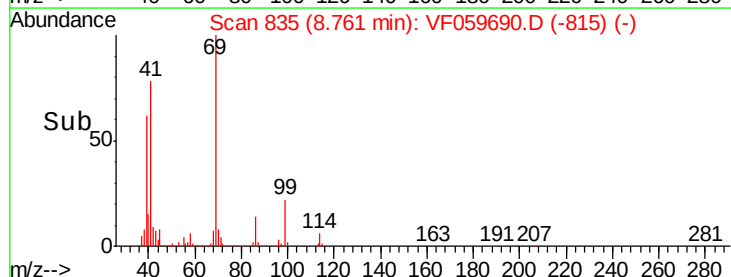
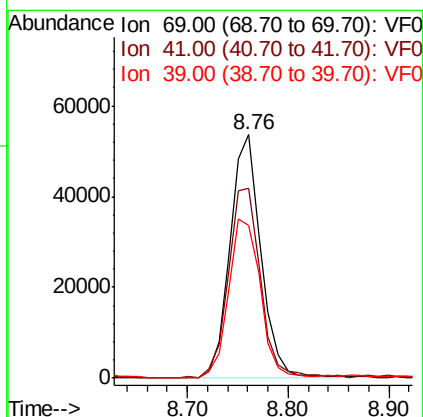
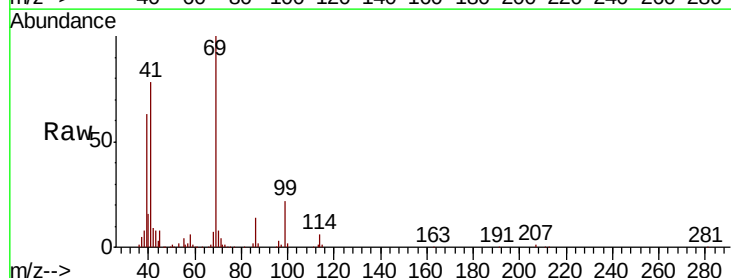
RT: 8.76 min Scan# 835

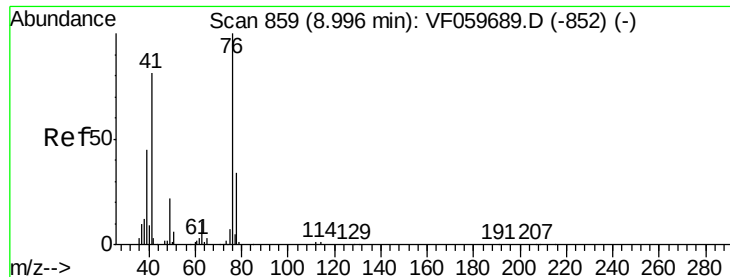
Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Tgt Ion:	69	Resp:	113883
Ion Ratio	Lower	Upper	
69	100		
41	77.9	62.3	93.5
39	62.9	52.4	78.6





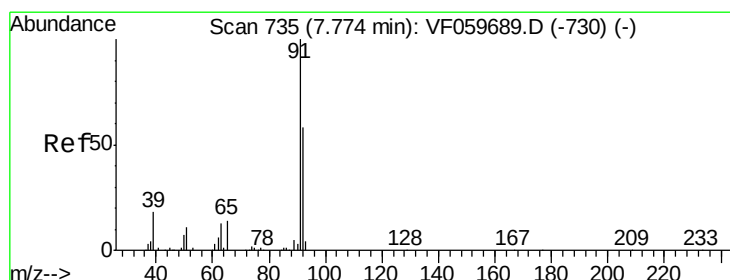
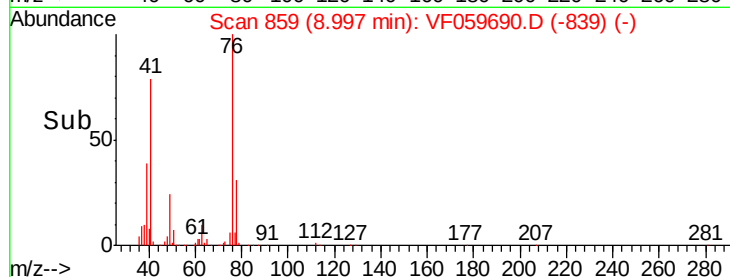
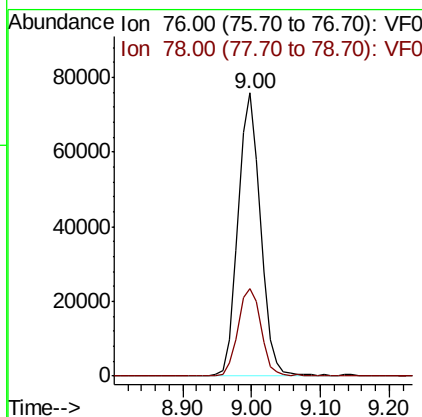
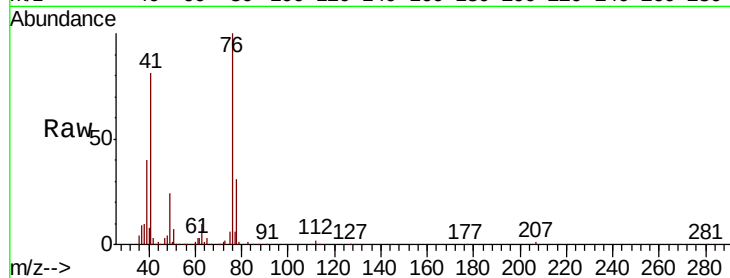
#57
 1,3-Dichloropropane
 Concen: 73.02 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.0	27.2	40.8

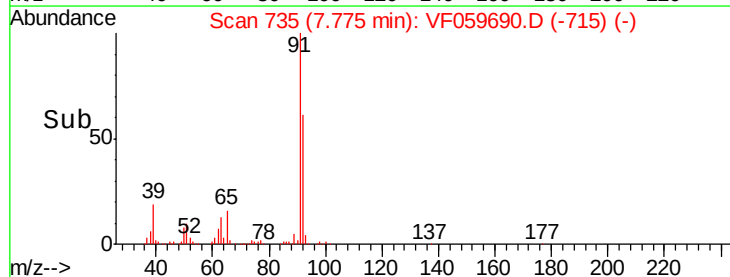
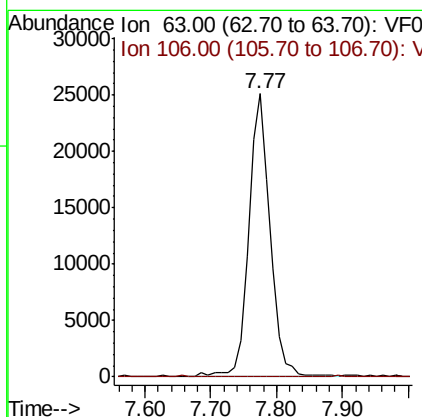
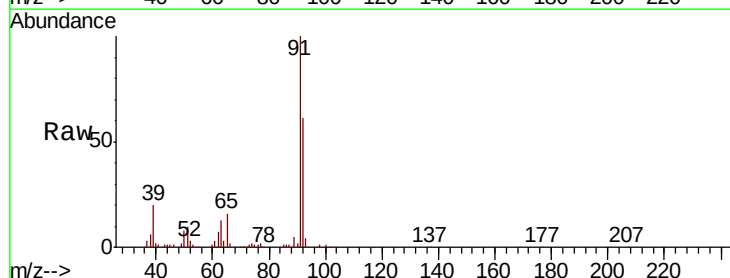
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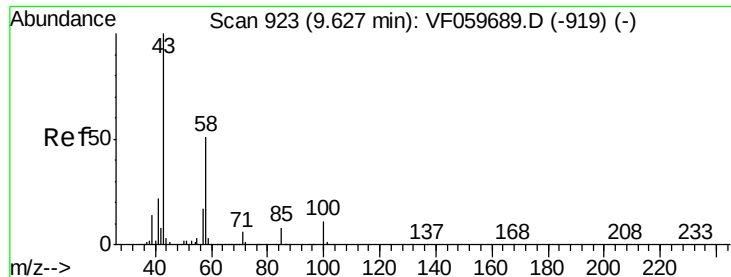
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#58
 2-Chloroethyl Vinyl ether
 Concen: 327.95 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





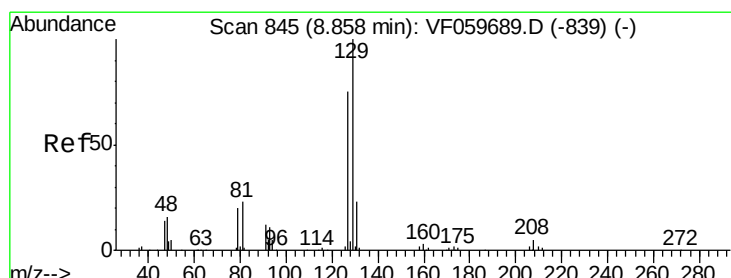
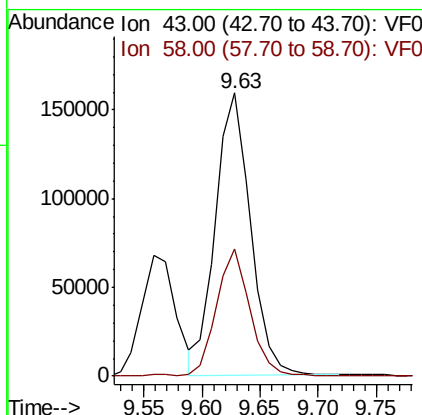
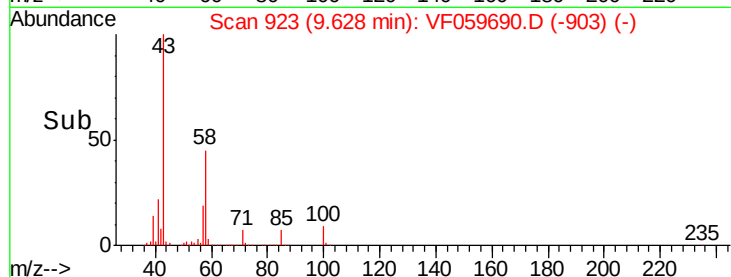
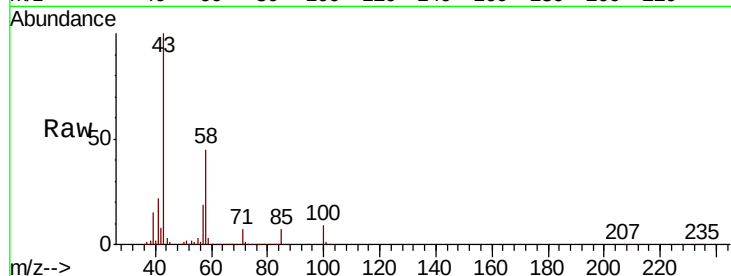
#59
2-Hexanone
Concen: 396.36 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.0	23.3	69.8

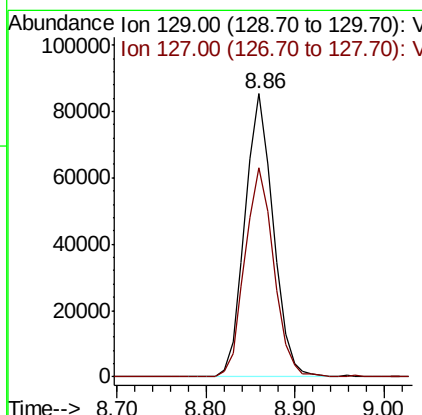
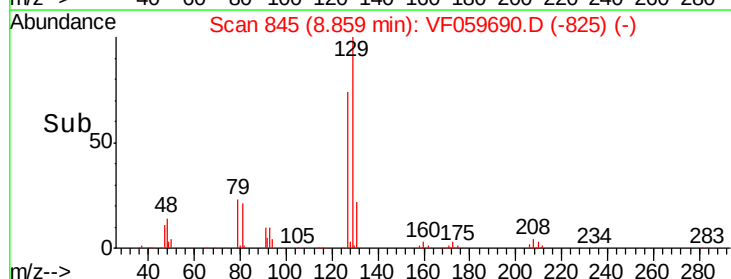
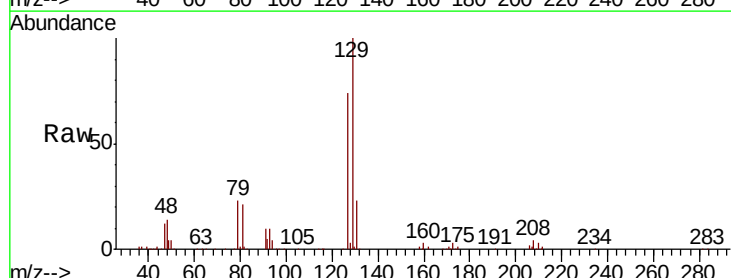
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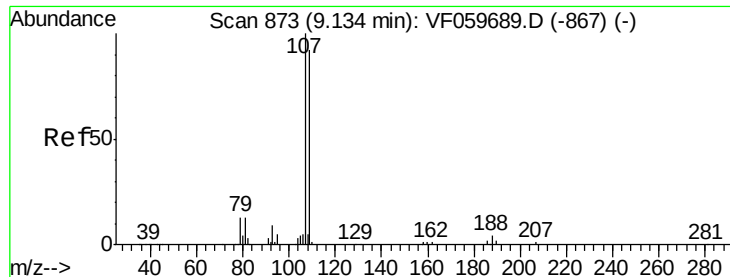
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#60
Dibromochloromethane
Concen: 76.49 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.7	37.7	113.1





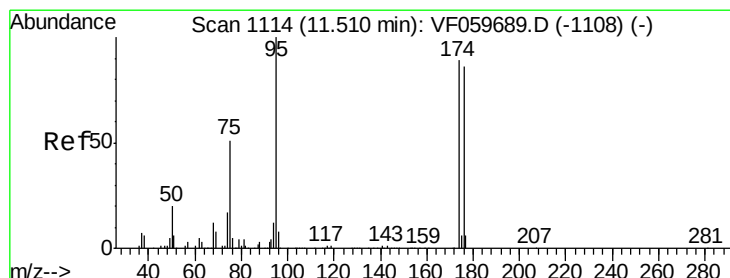
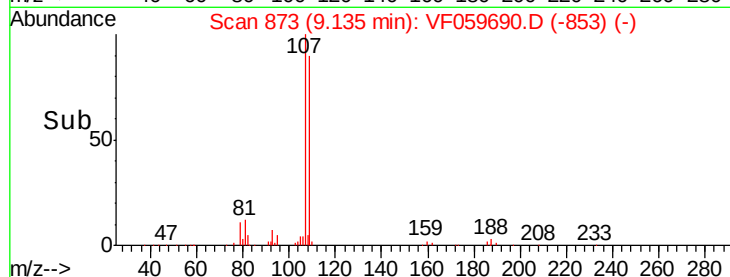
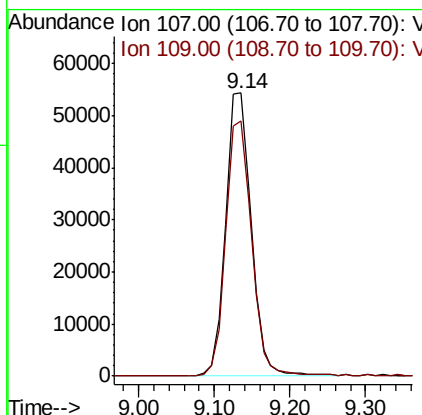
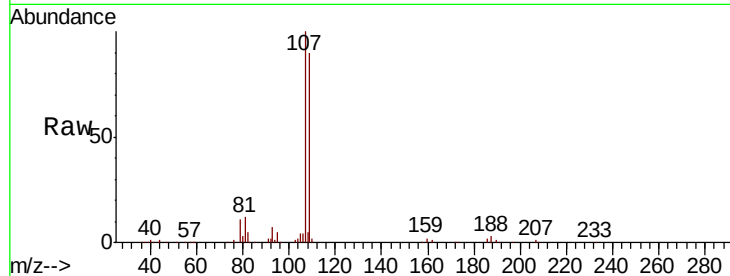
#61
 1,2-Dibromoethane
 Concen: 77.14 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.0	73.6	110.4

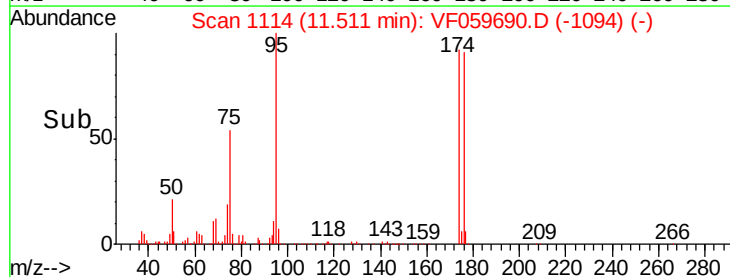
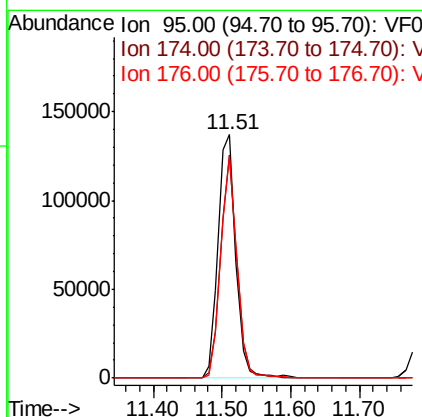
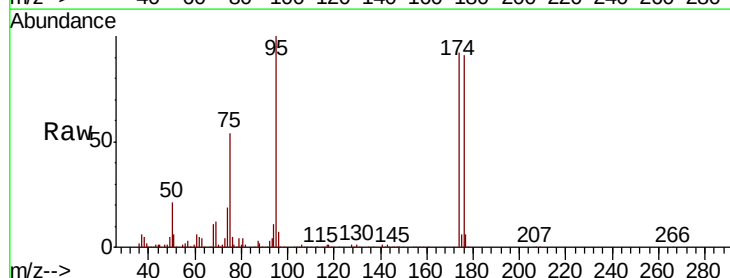
Manual Integrations
 APPROVED

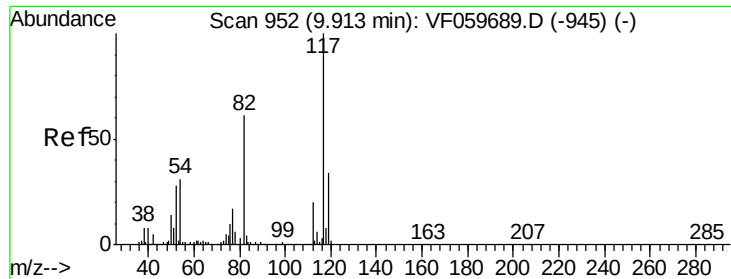
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#62
 4-Bromofluorobenzene
 Concen: 68.71 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	178.4
176	91.4	0.0	173.0





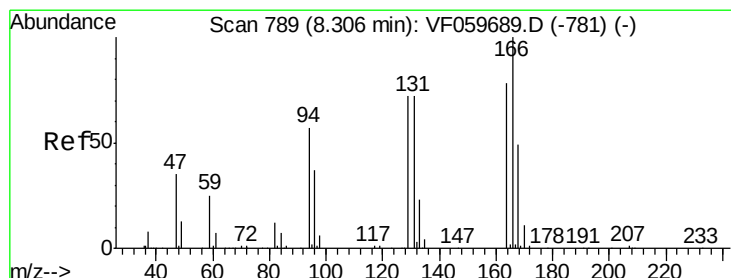
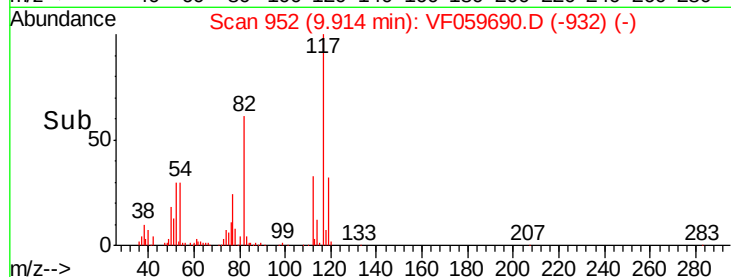
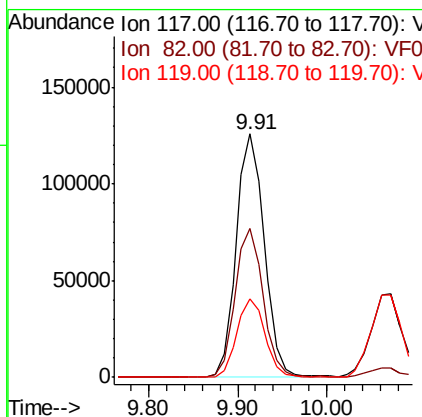
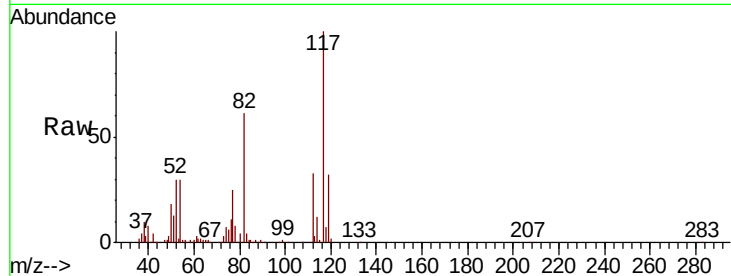
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
117	100	277164		
82	61.1	49.0	73.4	
119	32.3	27.3	40.9	

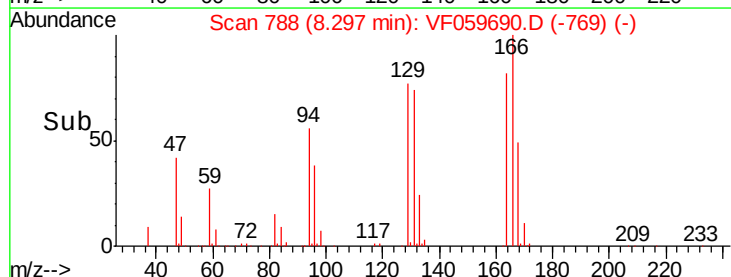
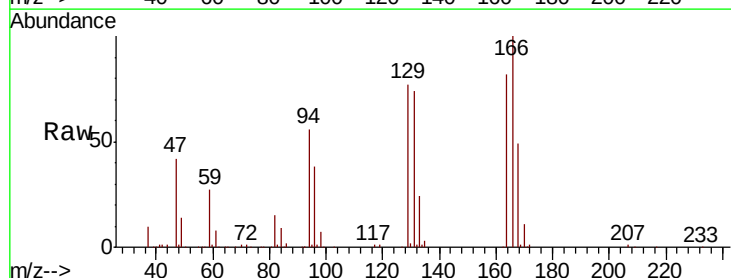
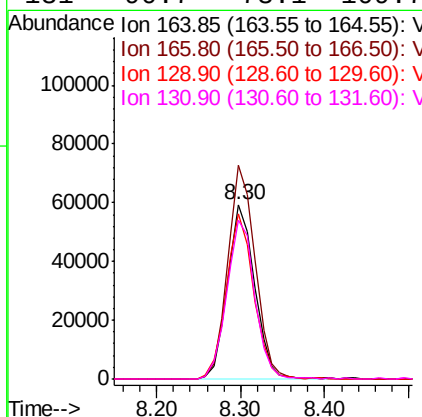
Manual Integrations
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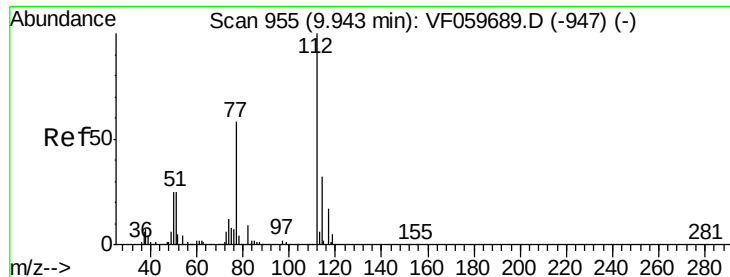
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#64
Tetrachloroethene
Concen: 60.82 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	134319		
166	122.4	102.1	153.1	
129	94.6	73.8	110.6	
131	90.7	73.1	109.7	





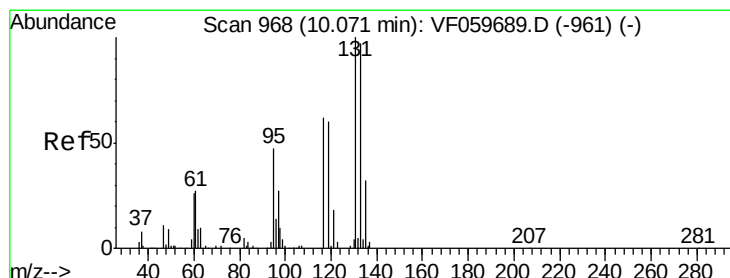
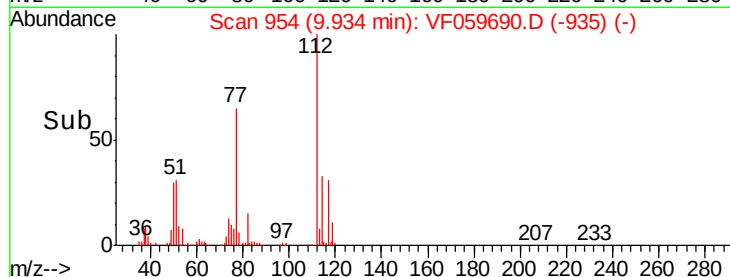
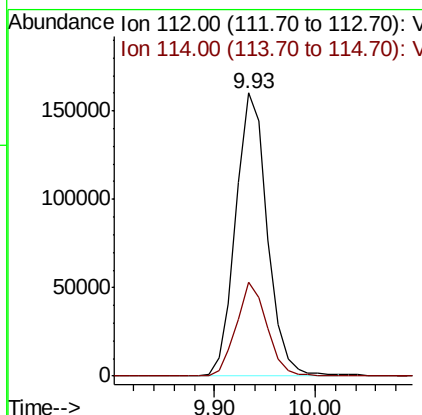
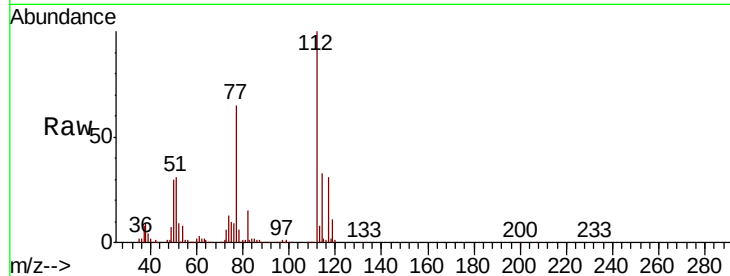
#65
Chlorobenzene
Concen: 65.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	25.6	38.4

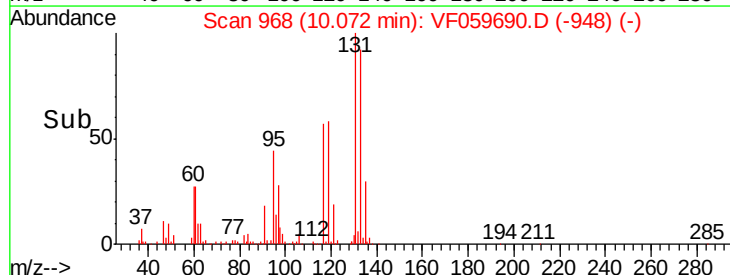
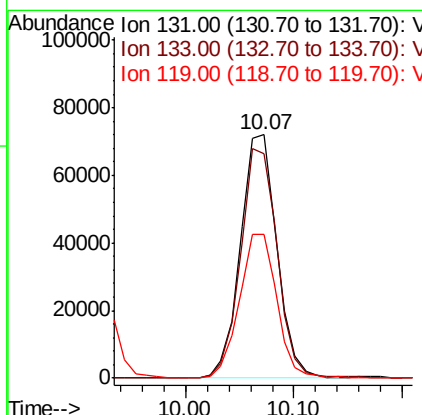
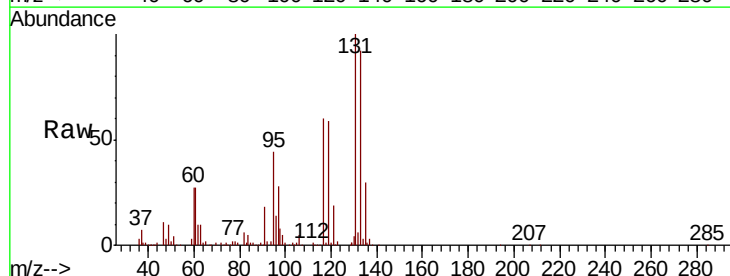
Manual Integrations
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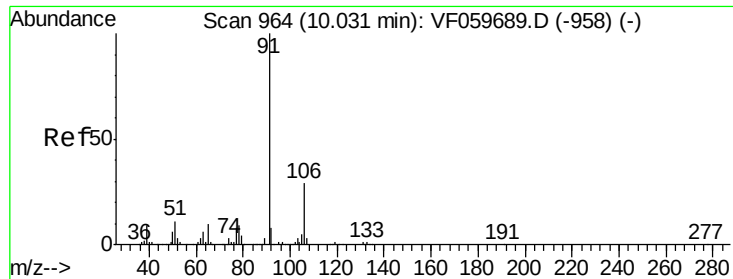
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#66
1,1,1,2-Tetrachloroethane
Concen: 68.20 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.3	48.5	145.5
119	59.1	30.3	90.8





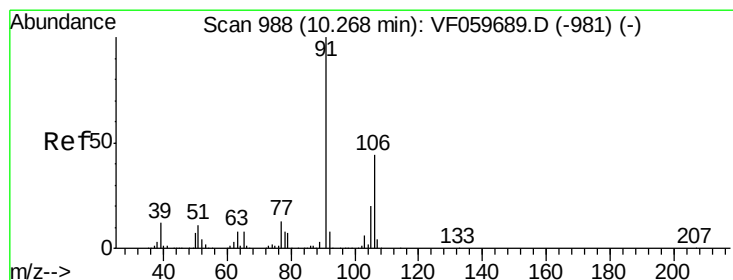
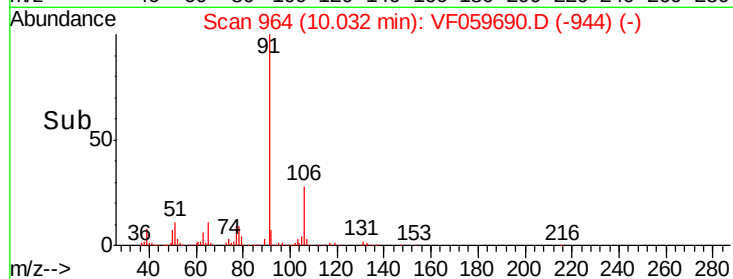
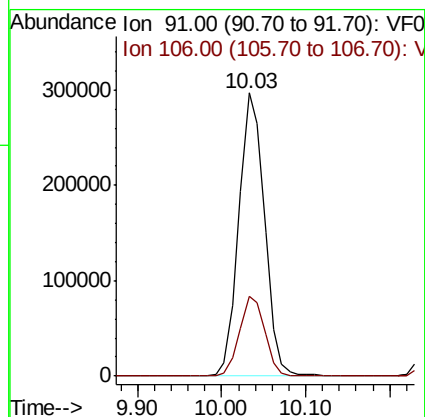
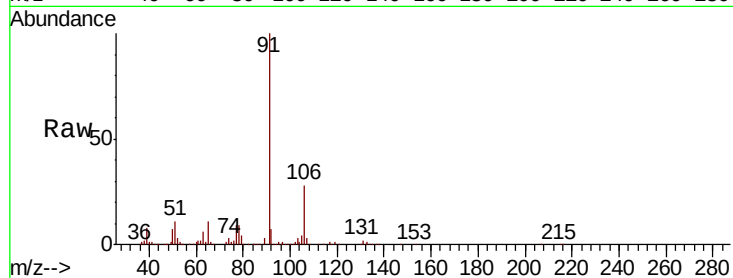
#67
Ethyl Benzene
Concen: 64.85 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 633228
Ion Ratio Lower Upper
91 100
106 28.2 22.9 34.3

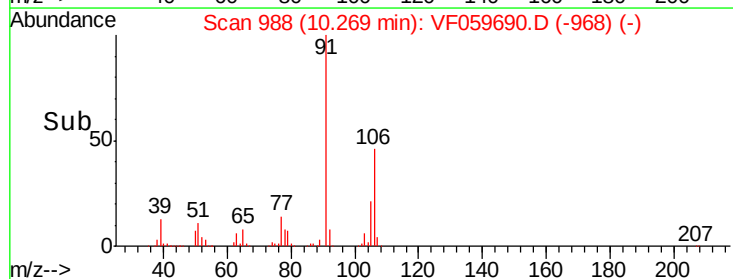
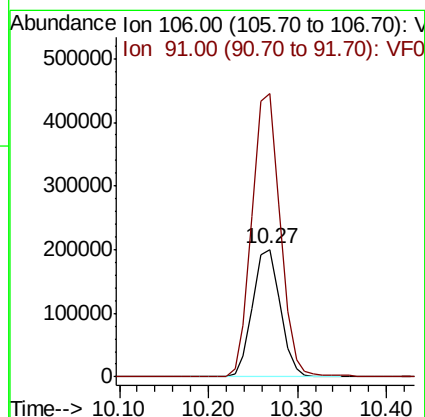
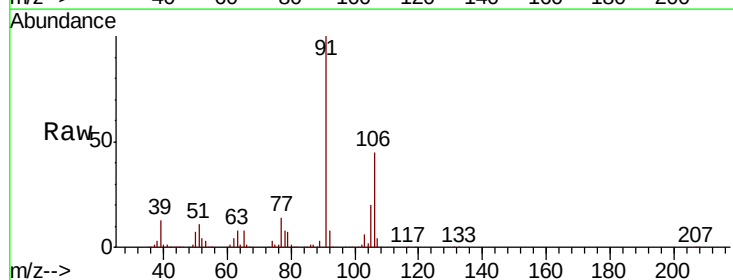
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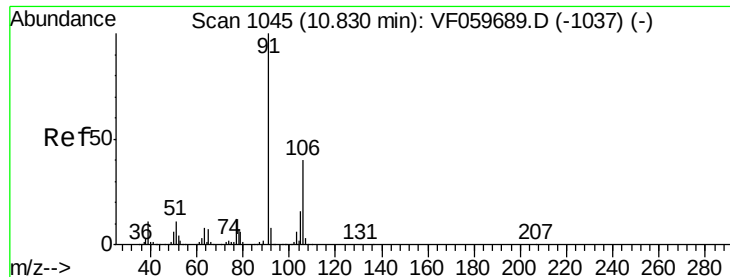
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#68
m/p-Xylenes
Concen: 127.47 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion: 106 Resp: 430774
Ion Ratio Lower Upper
106 100
91 221.6 181.7 272.5





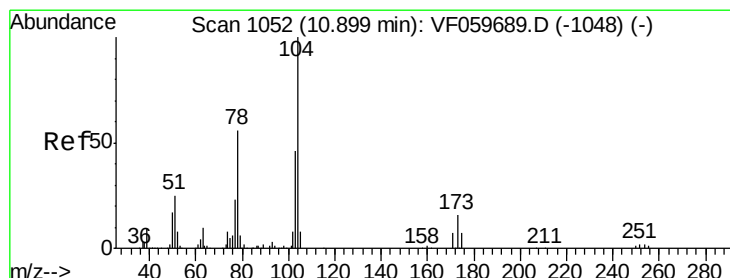
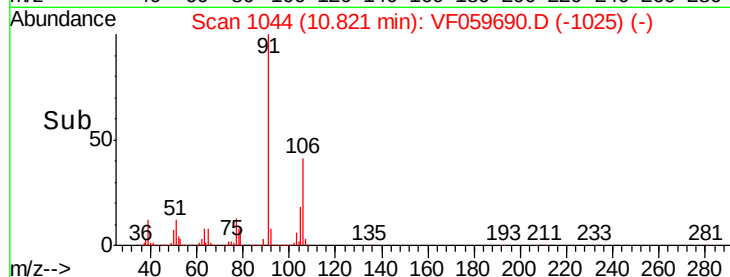
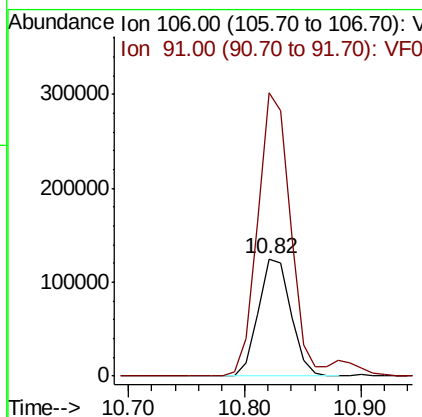
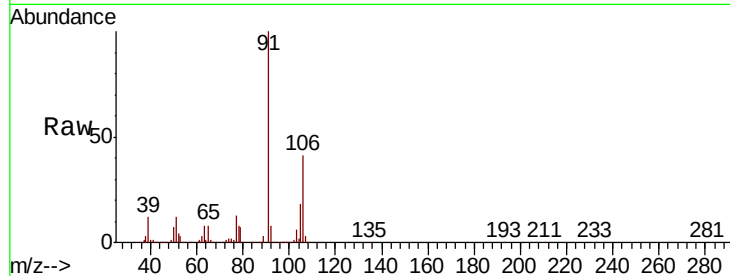
#69
o-Xylene
Concen: 66.62 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 243148
Ion Ratio Lower Upper
106 100
91 241.7 124.6 373.7

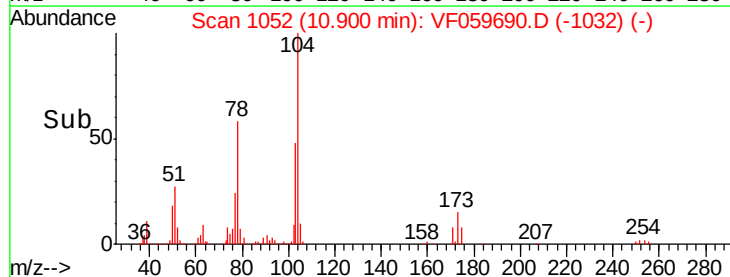
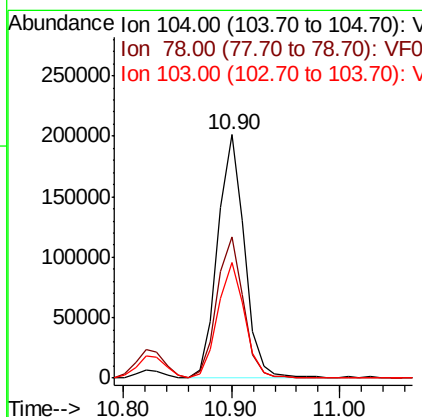
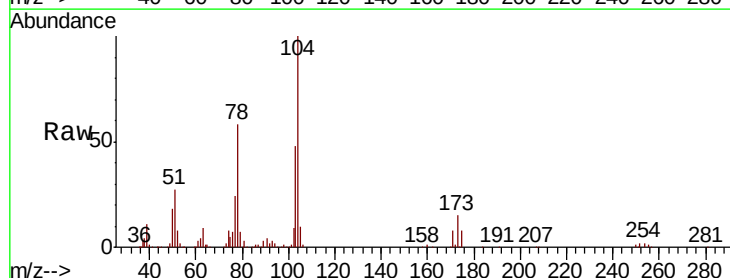
Manual Integrations
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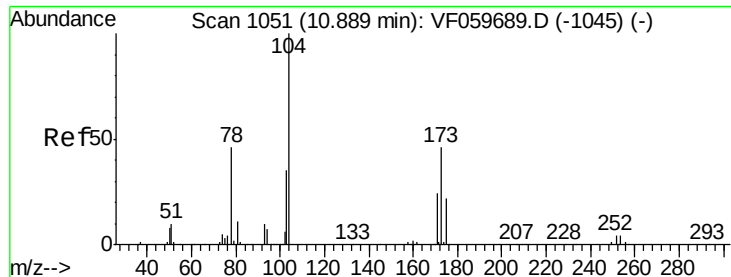
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#70
Styrene
Concen: 64.87 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion:104 Resp: 344320
Ion Ratio Lower Upper
104 100
78 58.1 45.3 67.9
103 47.6 36.6 54.8





#71

Bromoform

Concen: 74.62 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:173 Resp: 114048

Ion Ratio Lower Upper

173 100

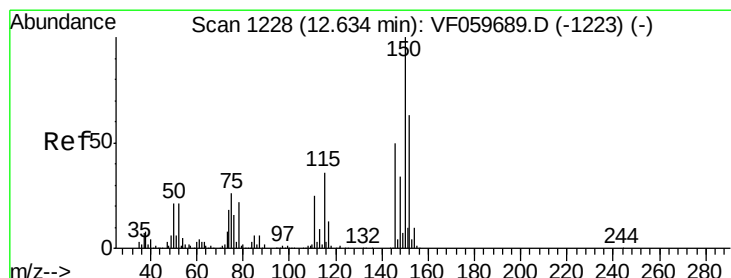
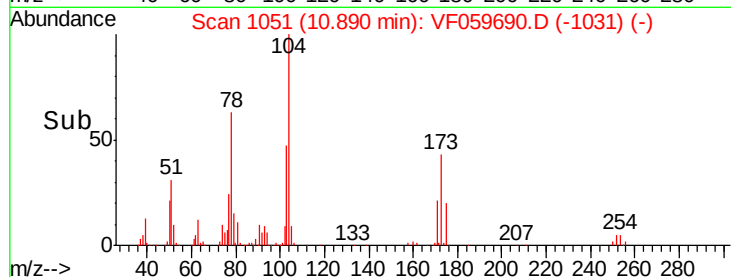
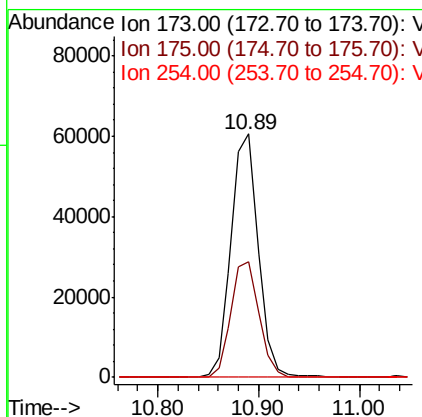
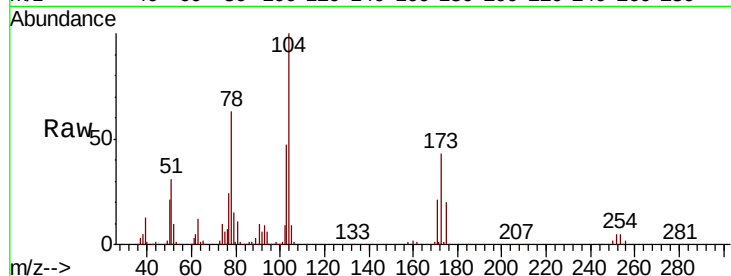
175 47.7 23.4 70.0

254 0.2 0.0 0.0#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

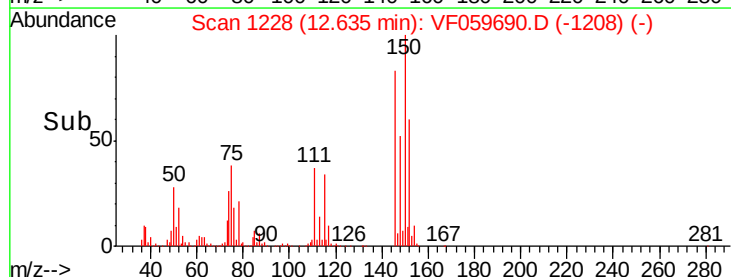
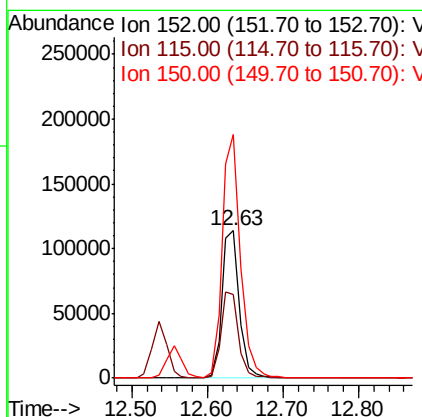
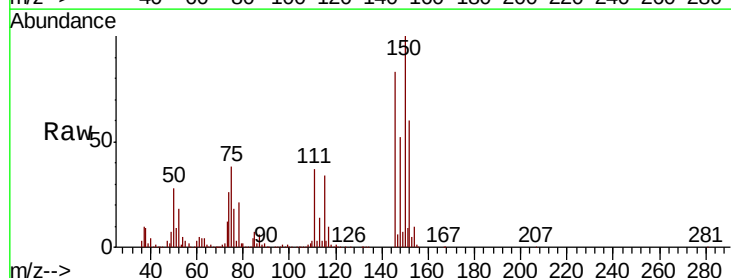
Tgt Ion:152 Resp: 182352

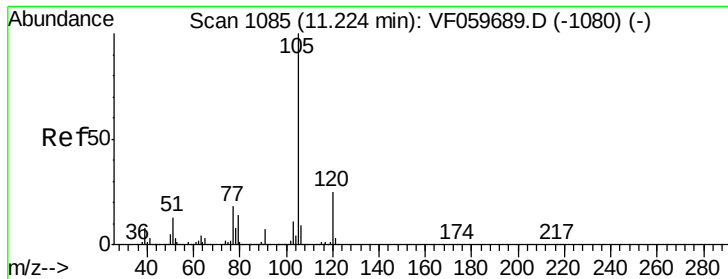
Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.6

150 165.6 0.0 316.2





#73

Isopropylbenzene

Concen: 62.52 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampled :

VSTDIC075

Tot Ion:105 Resp: 778193

Ion Ratio Lower Upper

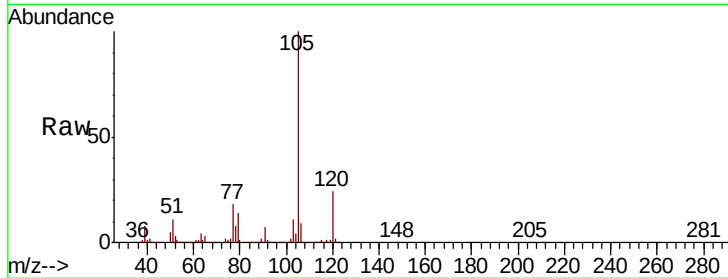
105 100

120 24.3 12.4 37.4

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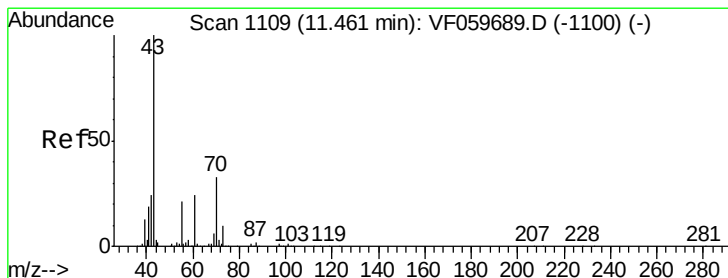
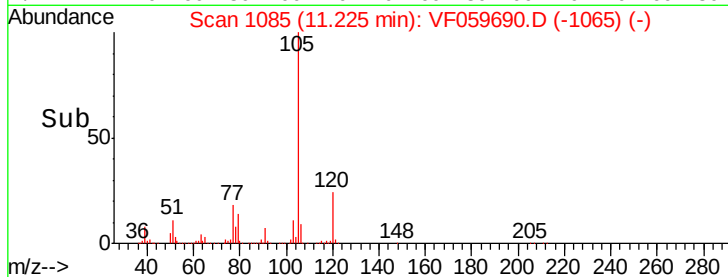
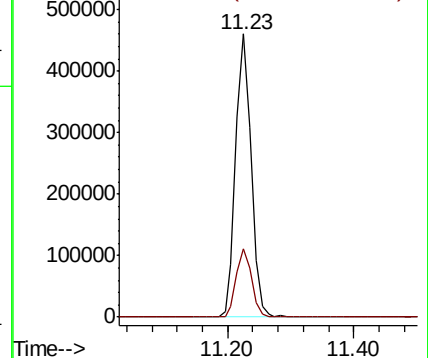
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 74.00 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Tgt Ion: 43 Resp: 188774

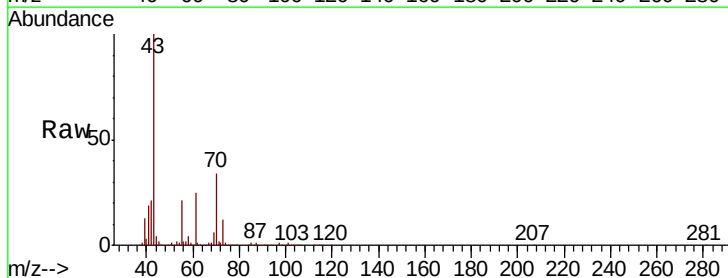
Ion Ratio Lower Upper

43 100

70 34.1 26.3 39.5

55 21.5 16.6 25.0

61 25.3 19.1 28.7

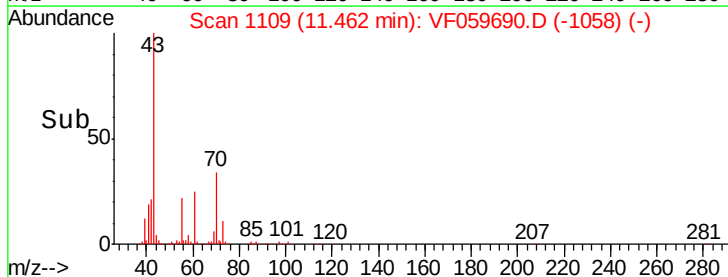
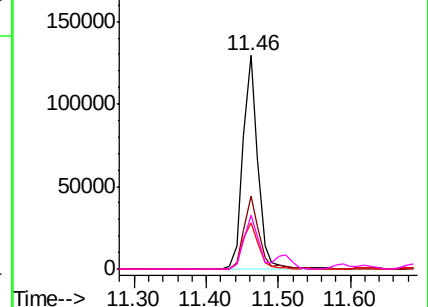


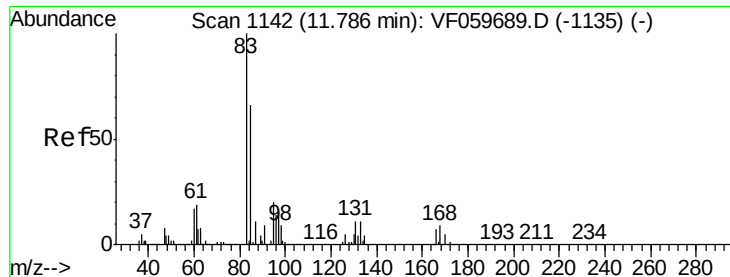
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 68.52 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 140048
Ion Ratio Lower Upper

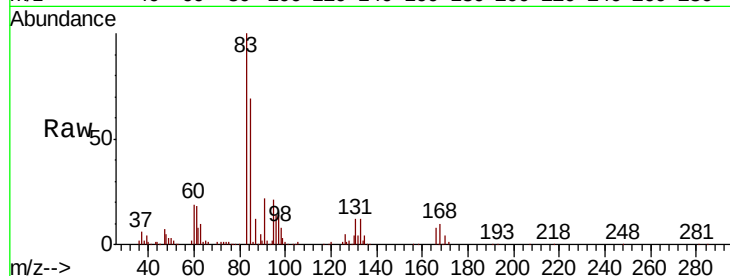
83 100

131 12.5 5.8 17.3

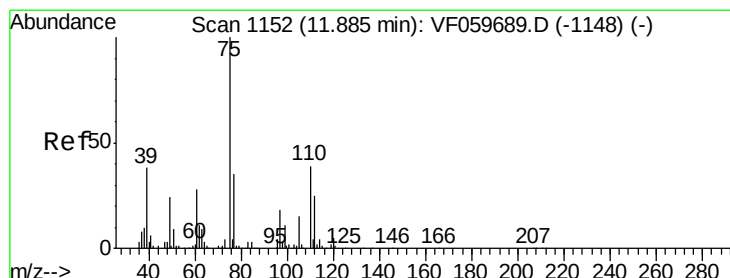
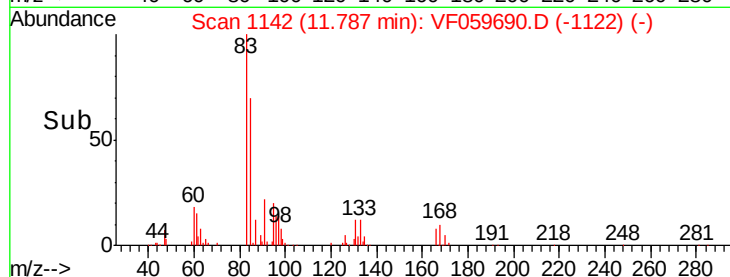
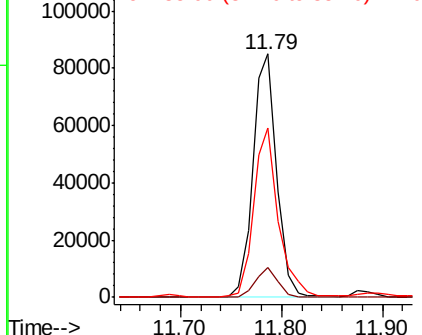
85 69.5 32.8 98.3

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 70.36 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

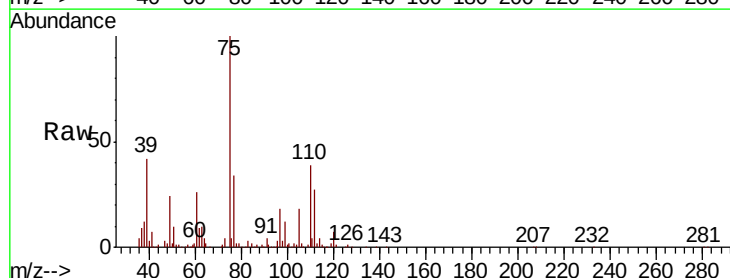
Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

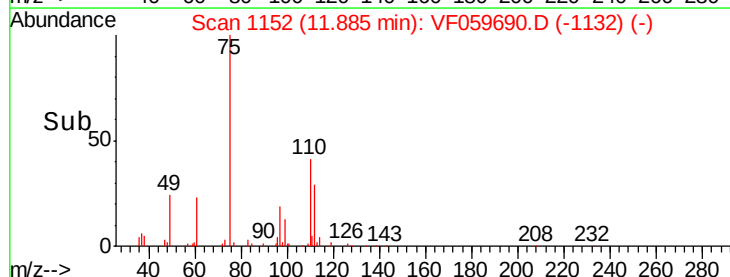
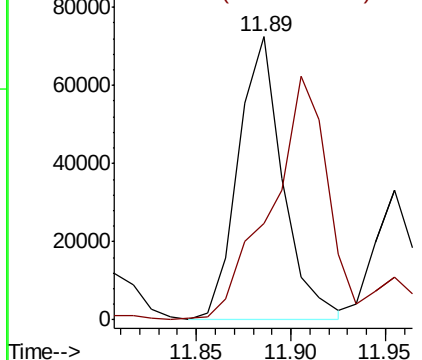
Tgt Ion: 75 Resp: 118106
Ion Ratio Lower Upper

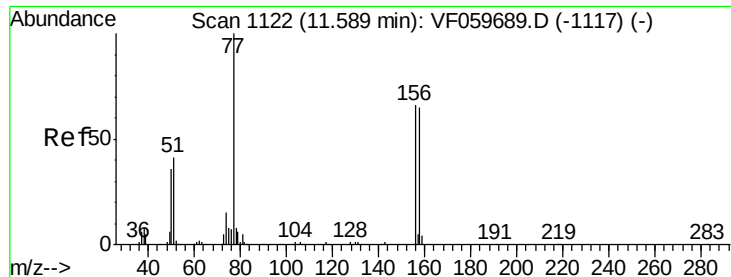
75 100

77 34.1 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 65.78 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

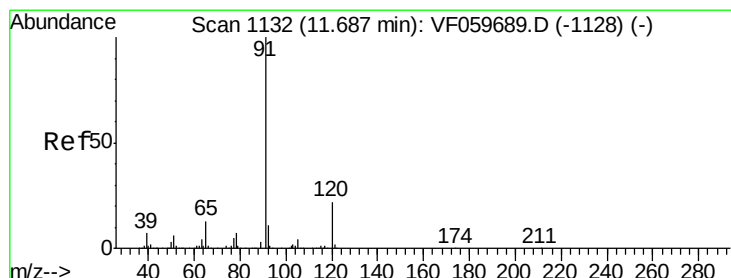
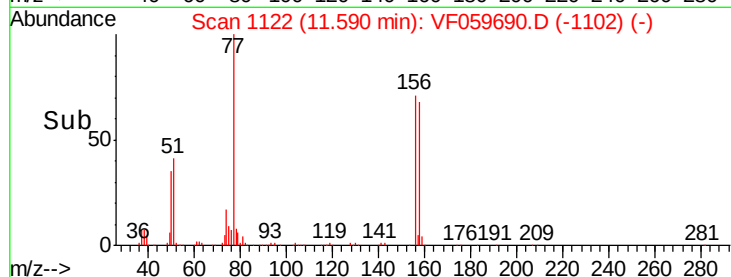
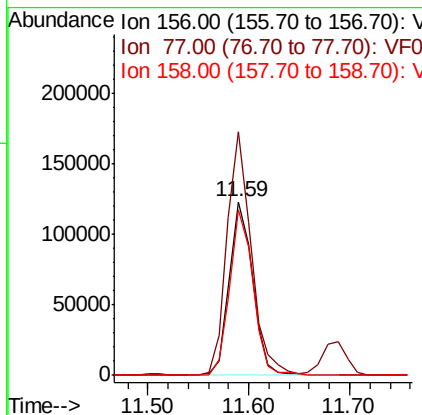
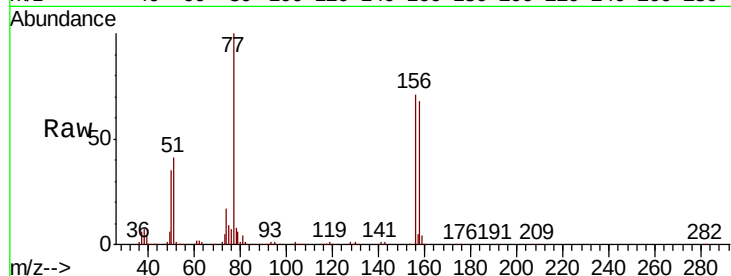
ClientSampleId :

VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		198740		
77	140.6	75.2	225.6		
158	95.7	49.1	147.3		

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#78

n-propylbenzene

Concen: 58.03 ug/l

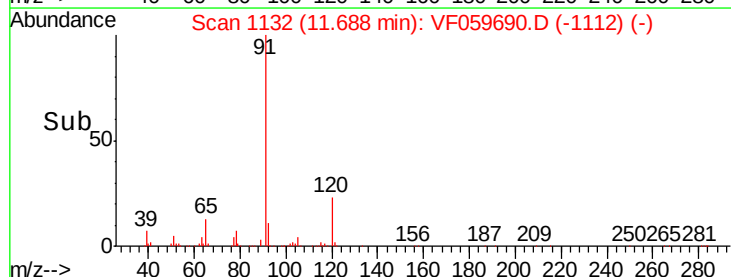
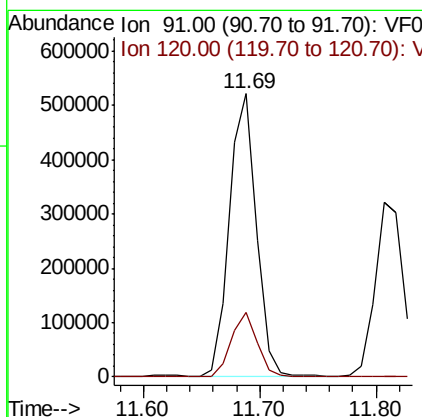
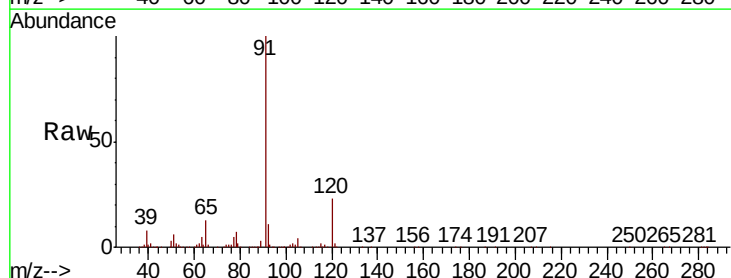
RT: 11.69 min Scan# 1132

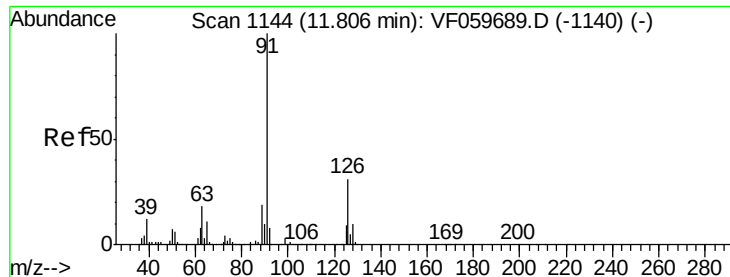
Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		832163		
120	22.6	11.0	33.0		





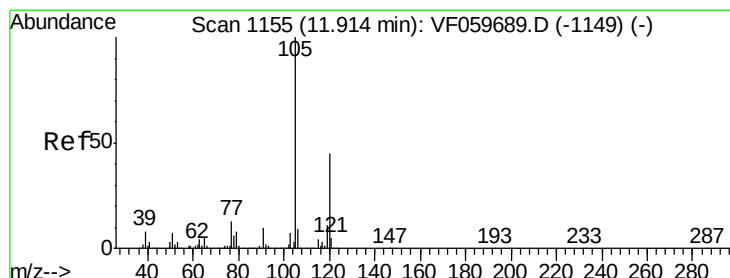
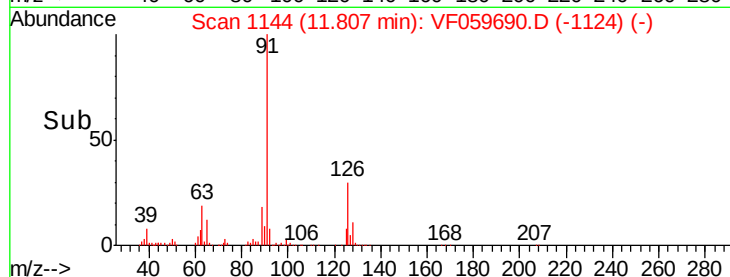
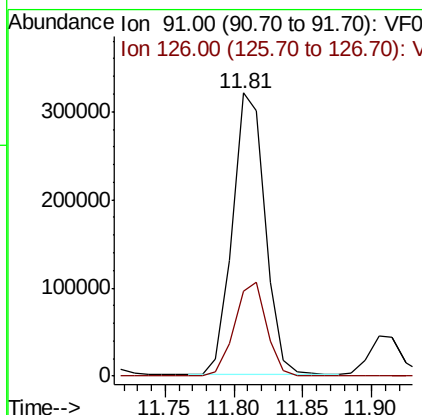
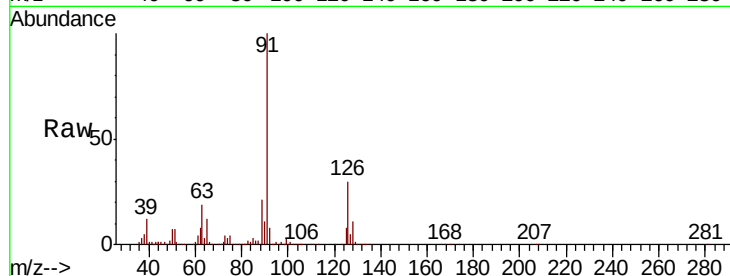
#79
 2-Chlorotoluene
 Concen: 60.92 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.9	15.4	46.2

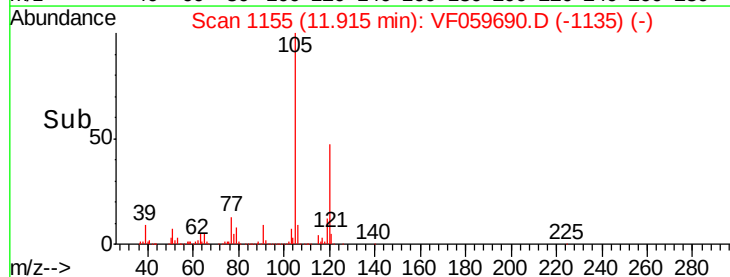
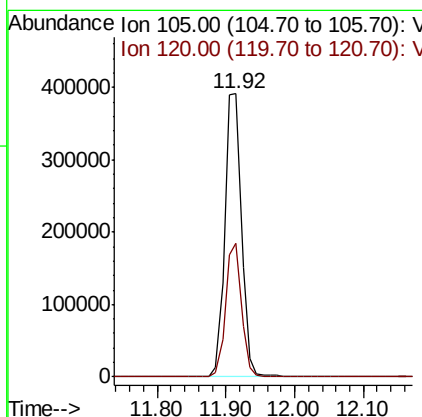
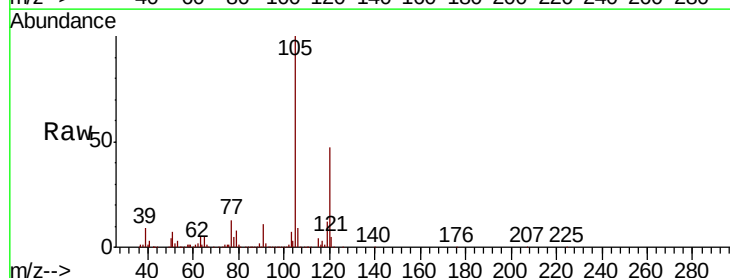
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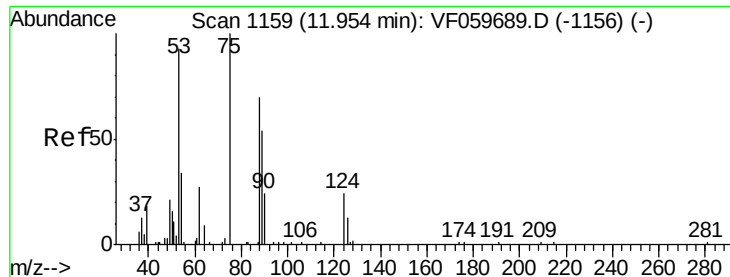
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#80
 1,3,5-Trimethylbenzene
 Concen: 60.50 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	22.7	68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.43 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 50927

Ion Ratio Lower Upper

75 100

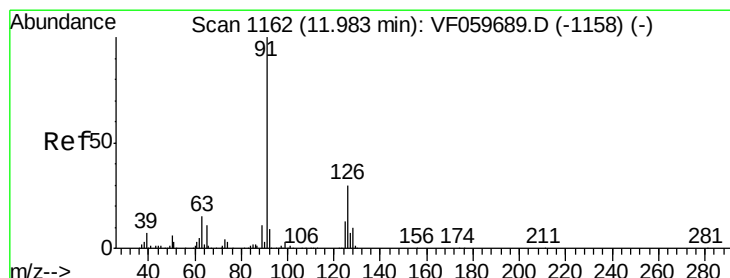
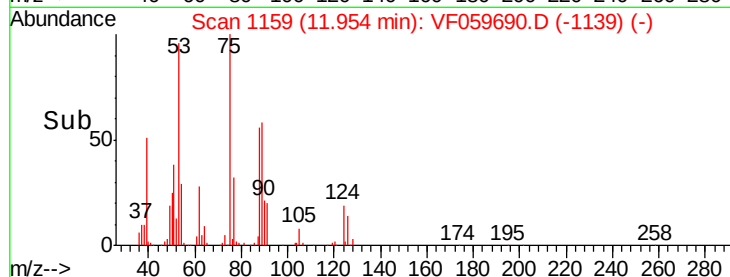
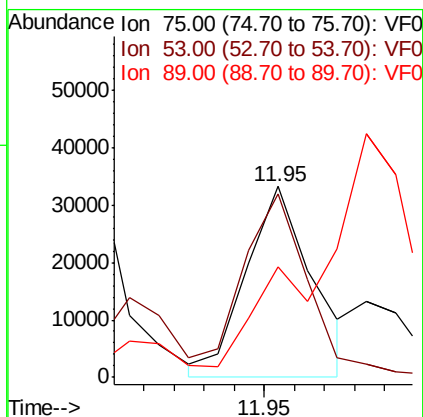
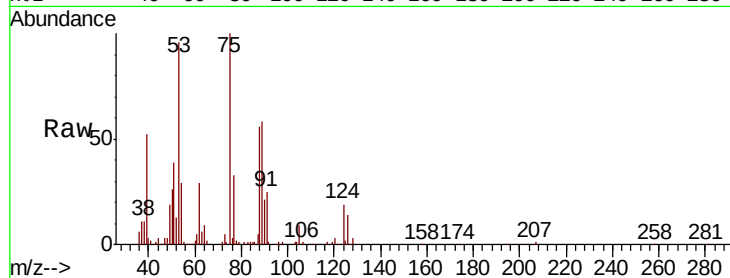
53 96.0 78.3 117.5

89 58.2 45.4 68.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 59.28 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059690.D

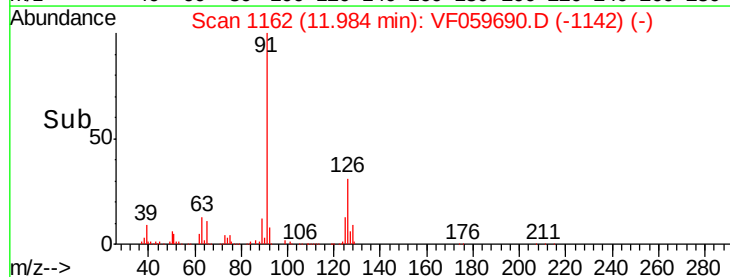
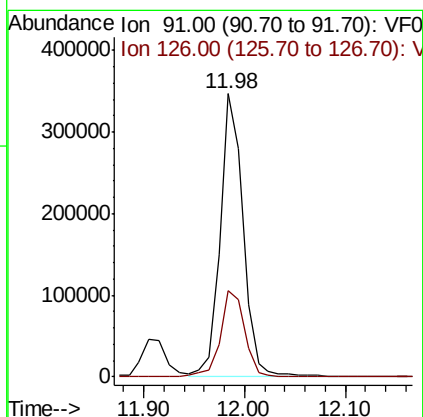
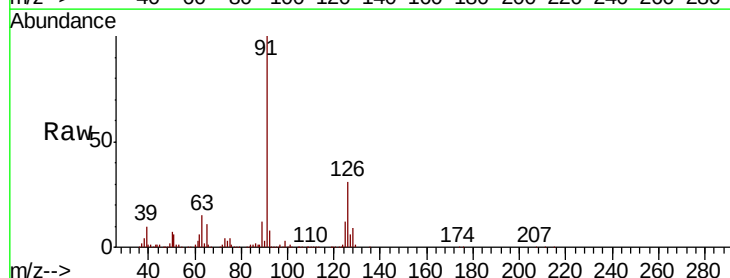
Acq: 30 Jul 2018 15:57

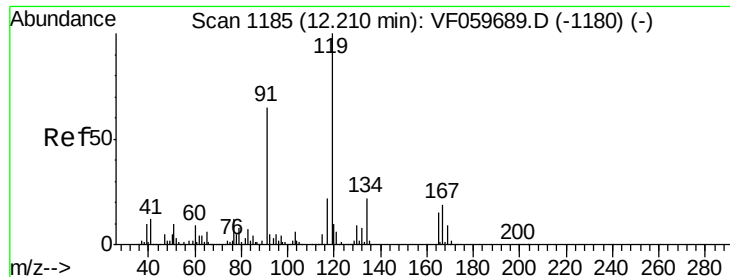
Tgt Ion: 91 Resp: 545072

Ion Ratio Lower Upper

91 100

126 30.6 15.2 45.6





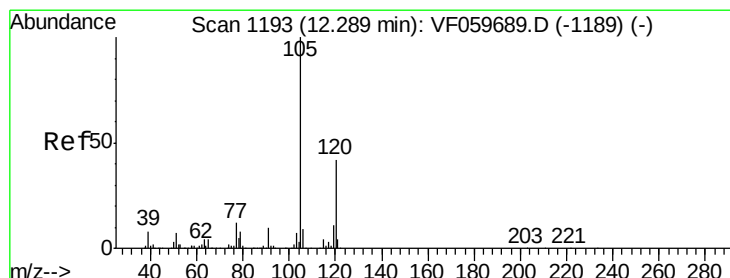
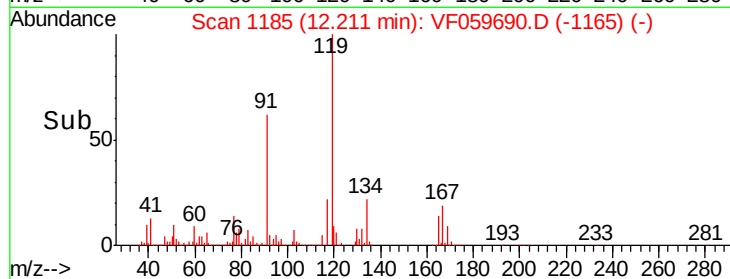
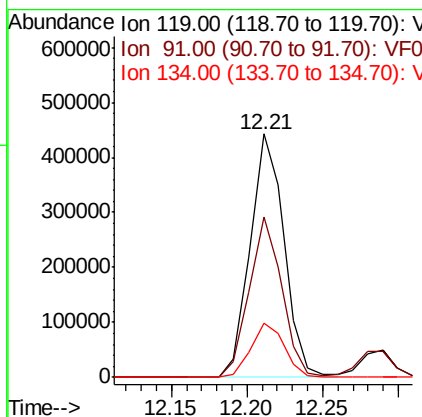
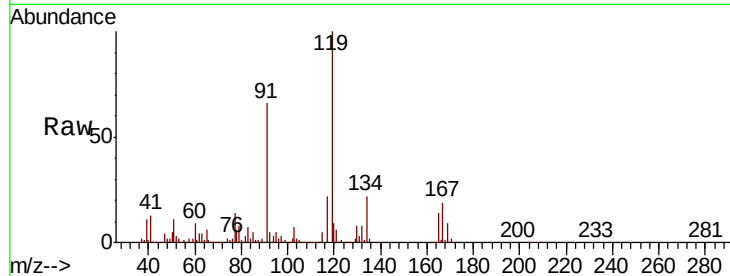
#83
 tert-Butylbenzene
 Concen: 62.88 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	32.8	98.4
134	22.1	10.9	32.7

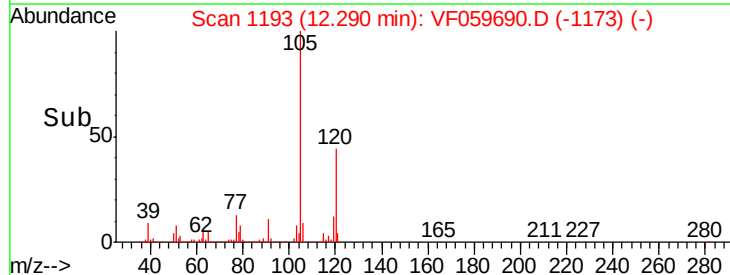
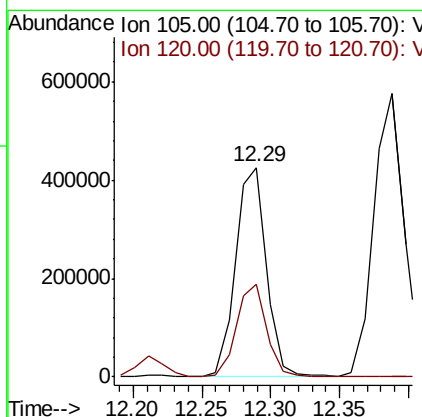
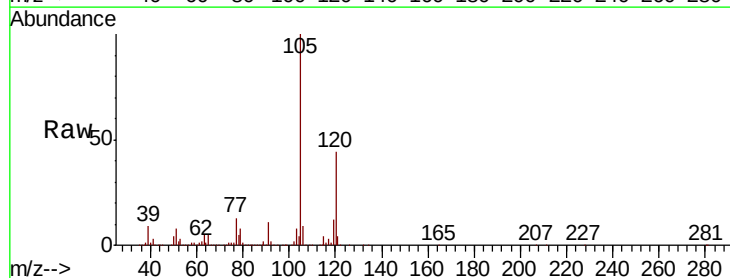
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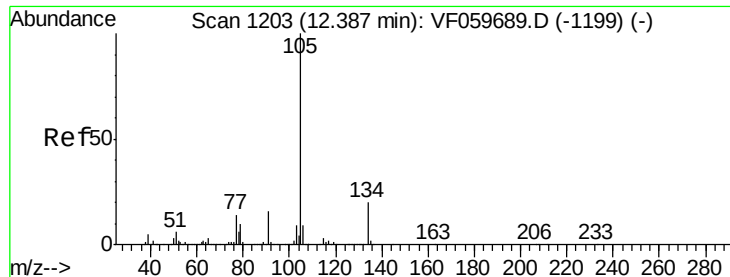
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#84
 1,2,4-Trimethylbenzene
 Concen: 59.35 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.1	63.3





#85

sec-Butylbenzene

Concen: 60.93 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 885075

Ion Ratio Lower Upper

105 100

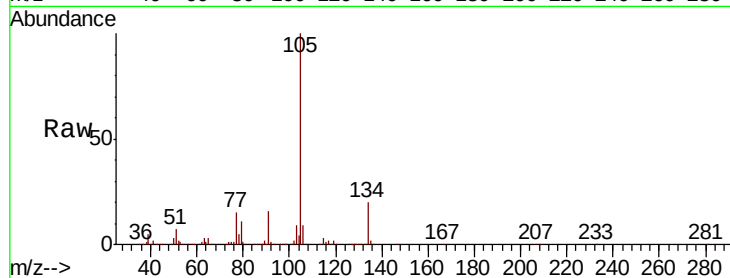
134 20.5 9.8 29.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

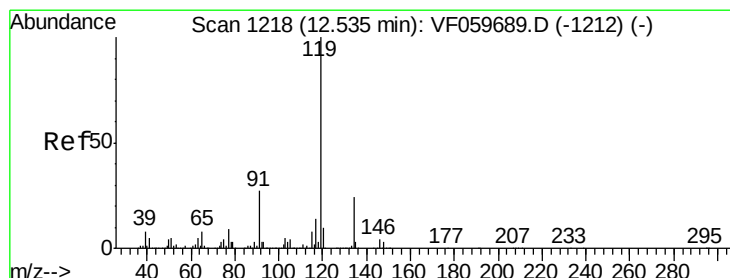
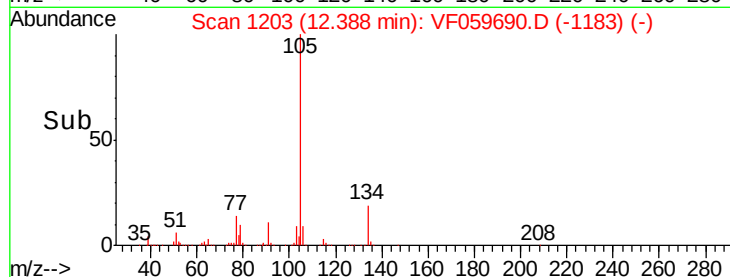
600000

400000

200000

0

Time--> 12.30 12.40 12.50



#86

p-Isopropyltoluene

Concen: 59.67 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

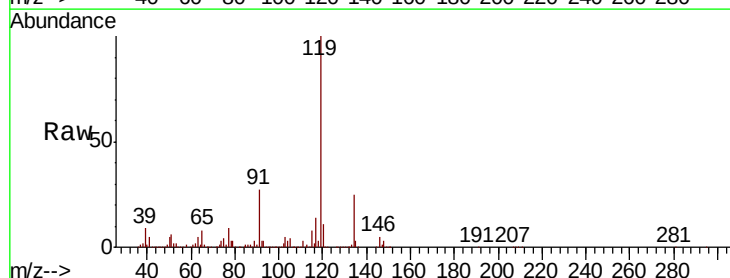
Tgt Ion:119 Resp: 745387

Ion Ratio Lower Upper

119 100

134 24.9 12.2 36.6

91 27.4 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.54

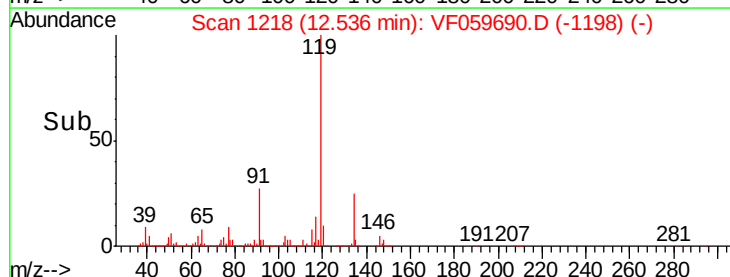
600000

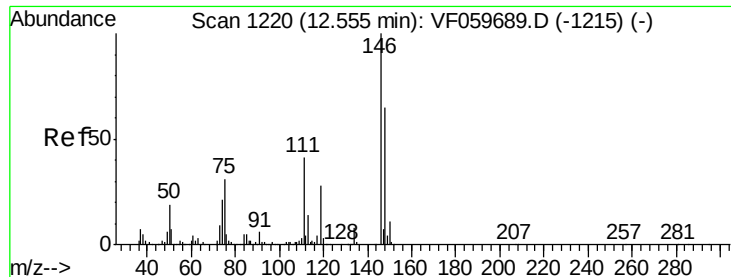
400000

200000

0

Time--> 12.40 12.50 12.60





#87

1,3-Dichlorobenzene

Concen: 59.08 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Instrument :

MSVOA_F

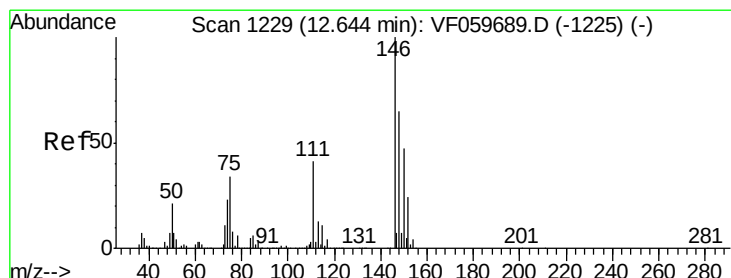
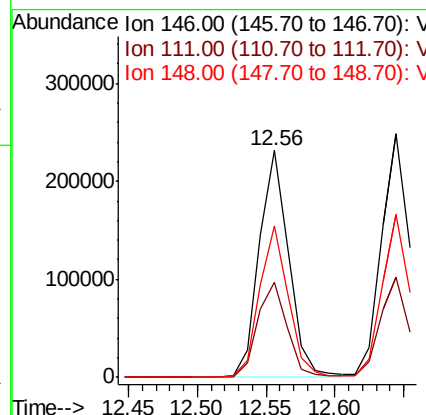
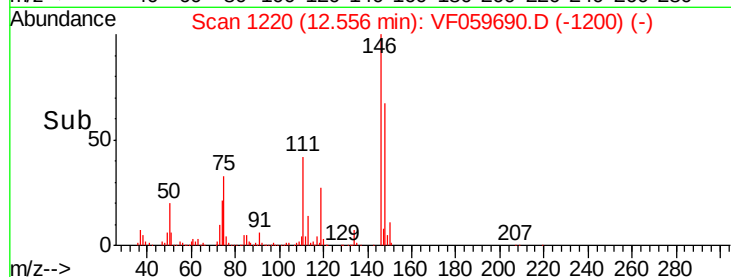
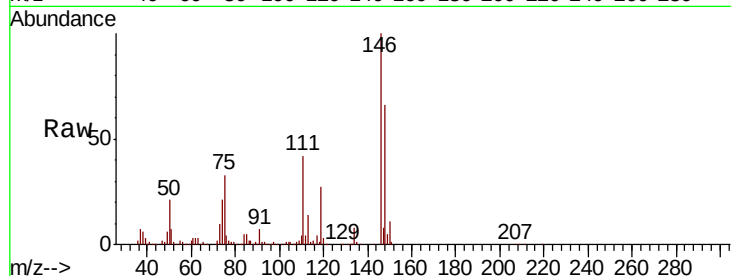
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.7	62.1
148	66.5	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 64.81 ug/l

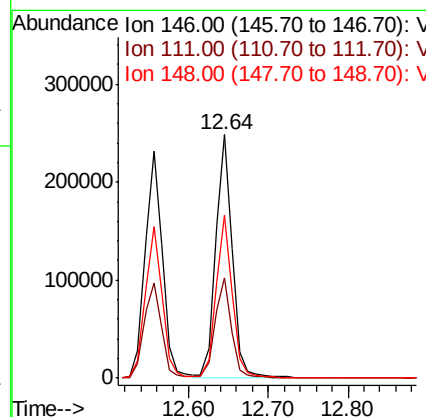
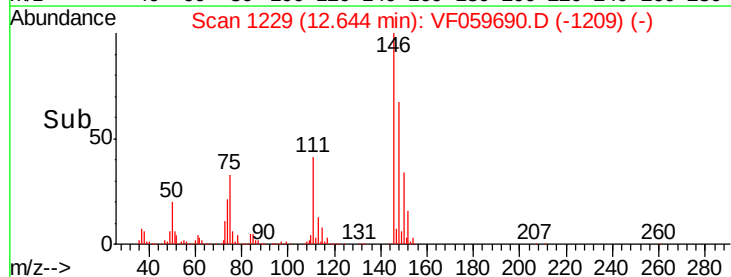
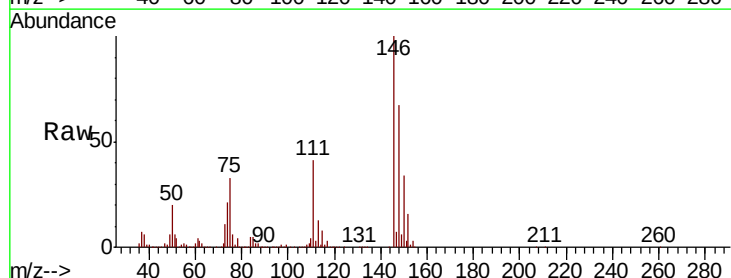
RT: 12.64 min Scan# 1229

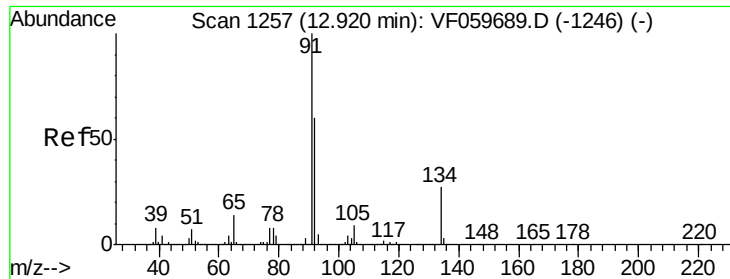
Delta R.T. 0.00 min

Lab File: VF059690.D

Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.2
148	67.1	32.3	96.9





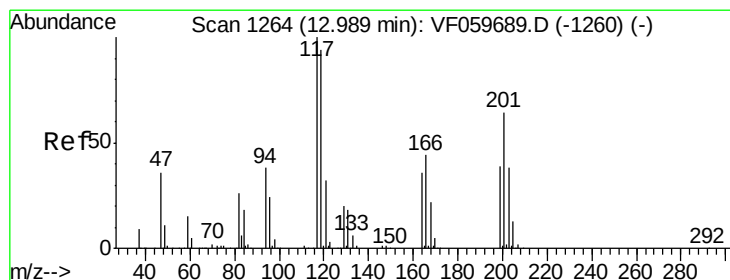
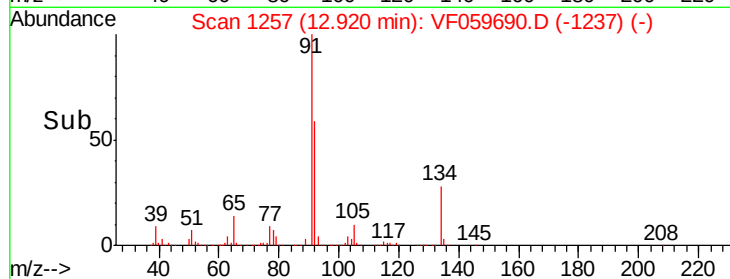
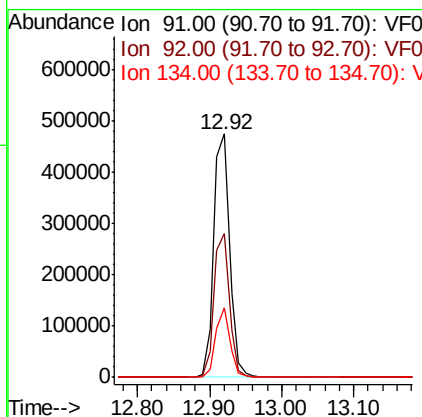
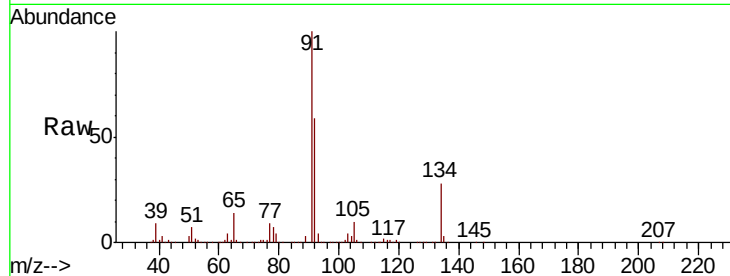
#89
n-Butylbenzene
Concen: 59.42 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.0	30.1	90.3
134	28.4	13.7	41.0

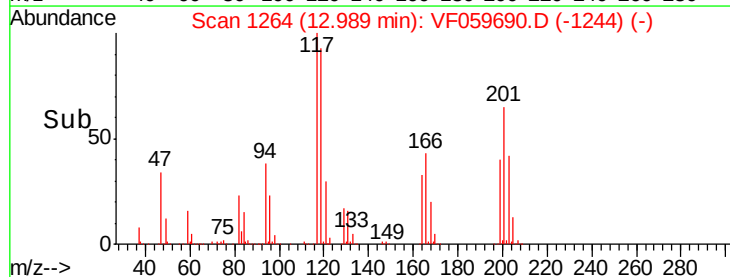
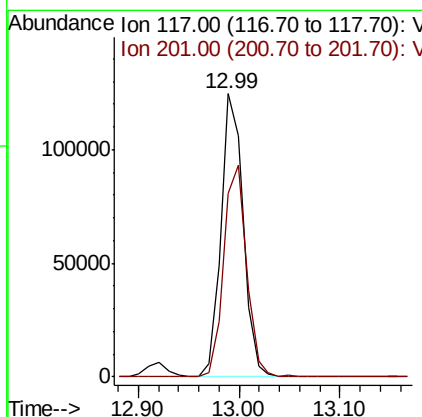
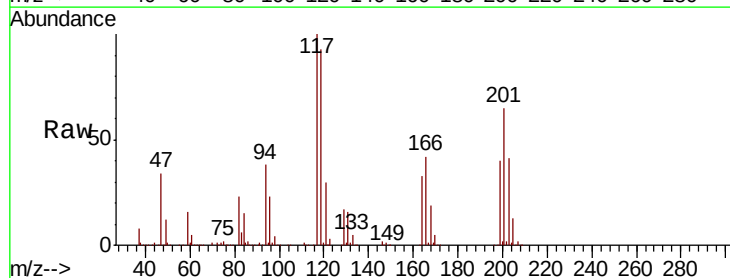
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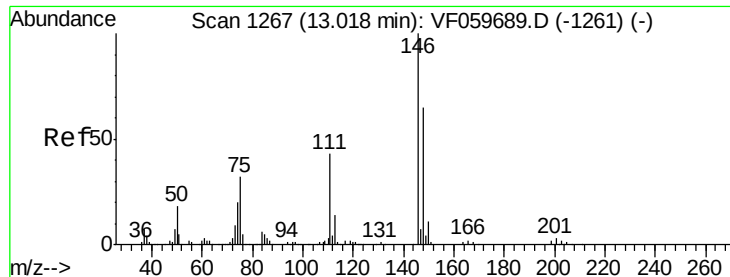
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#90
Hexachloroethane
Concen: 60.43 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.8	31.9	95.5





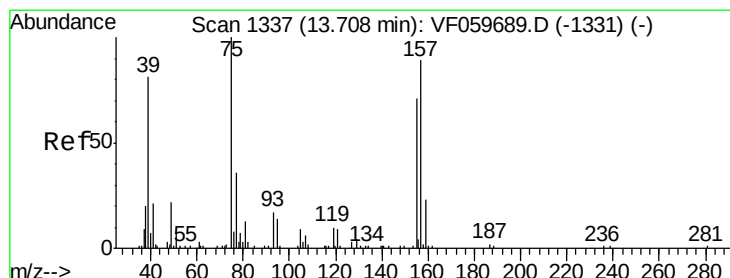
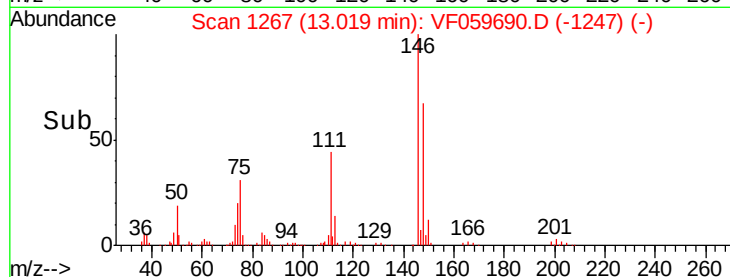
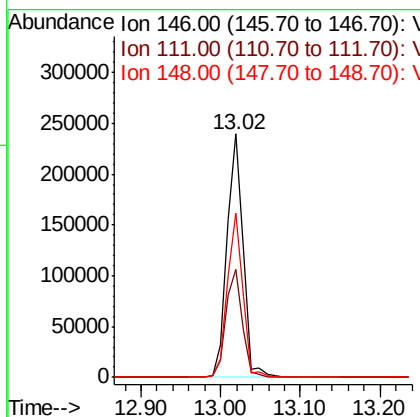
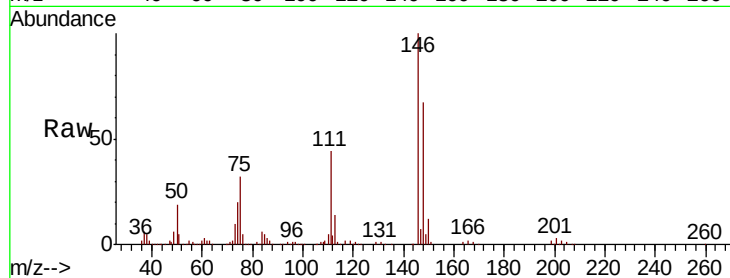
#91
 1,2-Dichlorobenzene
 Concen: 62.25 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.6	65.0
148	67.4	32.3	96.9

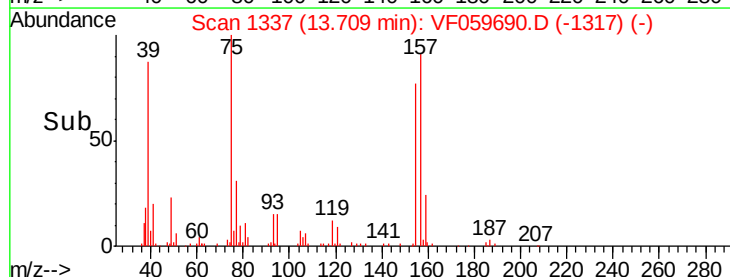
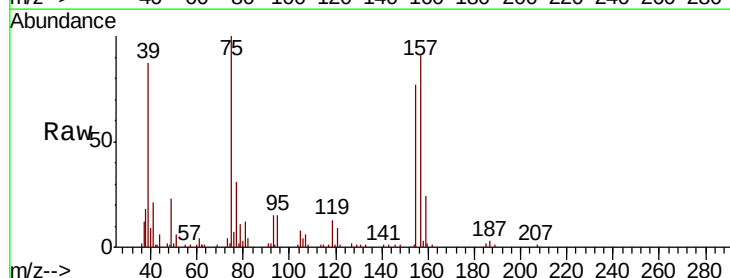
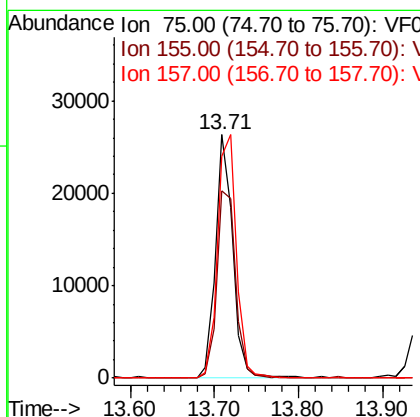
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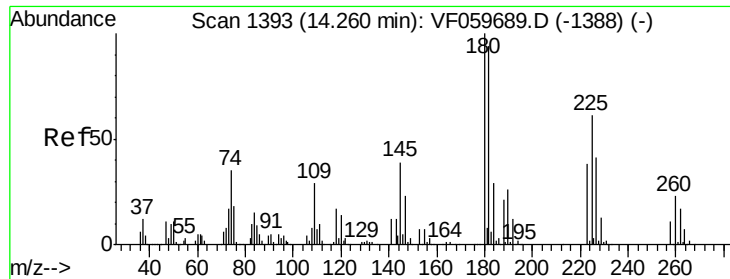
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 75.62 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	35.4	106.2
157	94.1	44.4	133.2





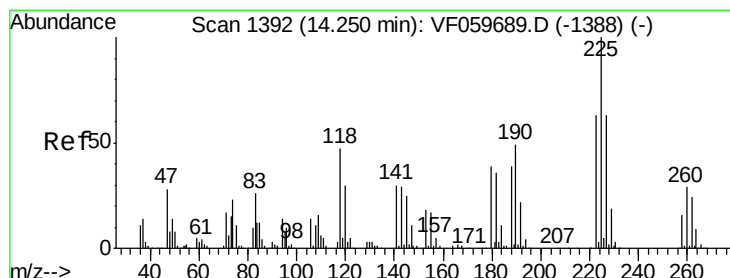
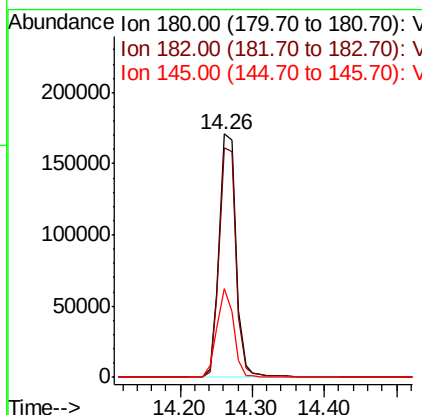
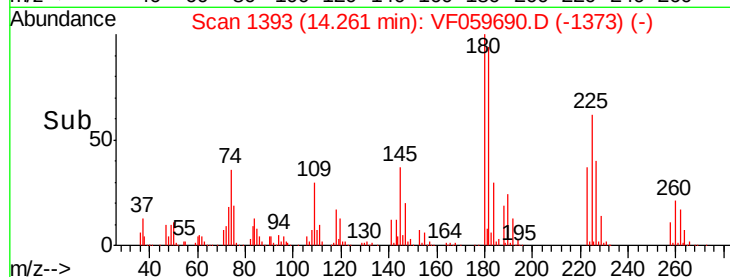
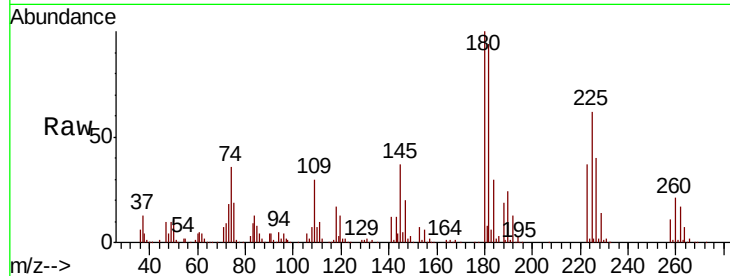
#93
 1,2,4-Trichlorobenzene
 Concen: 63.23 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	277531		
182	94.5	47.2	141.6	
145	36.7	19.3	57.9	

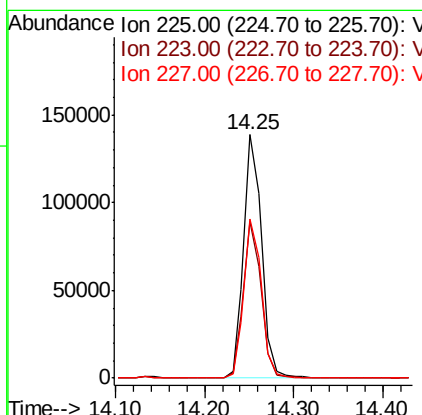
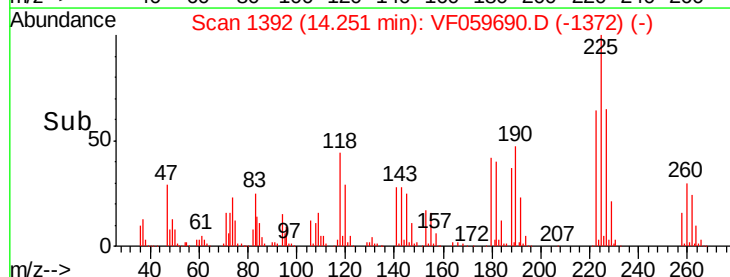
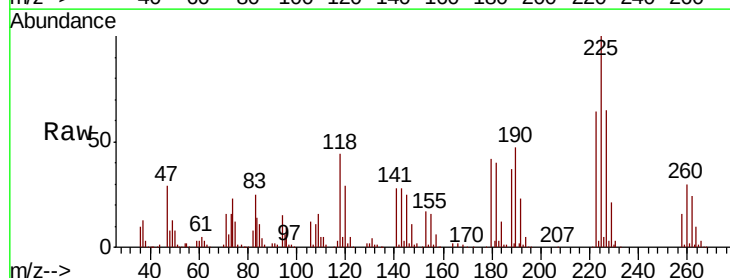
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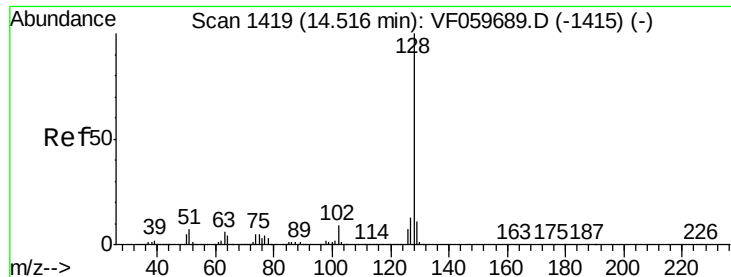
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#94
 Hexachlorobutadiene
 Concen: 60.27 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059690.D
 Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	194640		
223	64.3	31.4	94.2	
227	65.5	31.5	94.5	





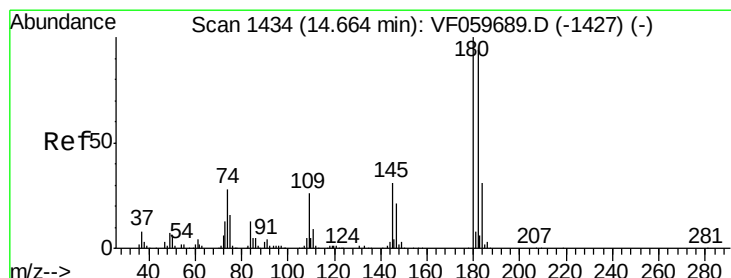
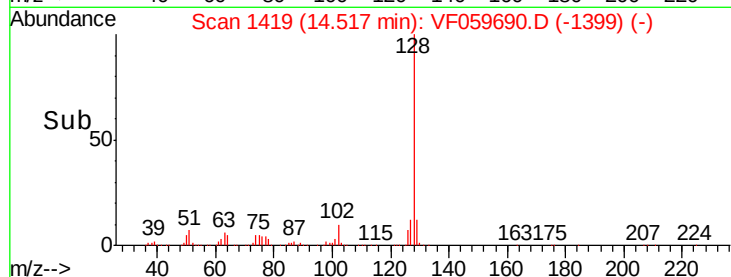
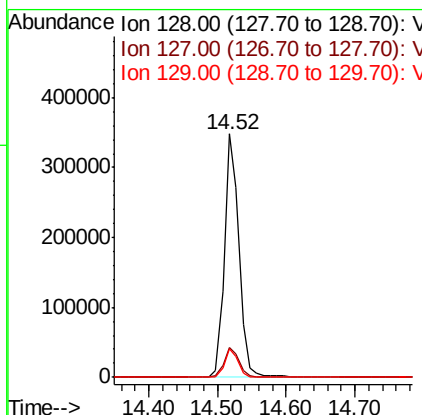
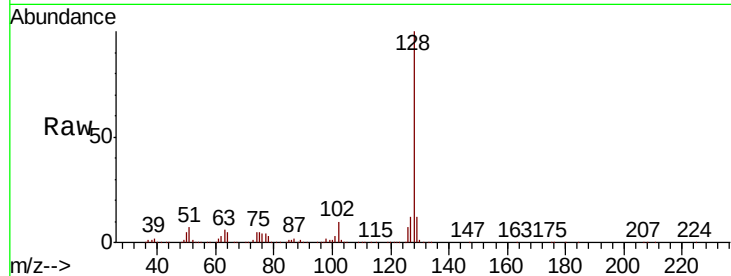
#95
Naphthalene
Concen: 73.06 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.0	15.0
129	11.6	8.6	13.0

Manual Integrations
APPROVED

apatel
7/31/2018 12:13:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 68.20 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059690.D
Acq: 30 Jul 2018 15:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.2	141.6
145	34.7	15.6	46.7

