

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059567.D
 Acq On : 19 Jul 2018 20:57
 Operator : VA/AP
 Sample : VF0719SBS02
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 04:52:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	232419	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	335680	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	345505	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	229954	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	184790	51.12	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	4.28	113	151849	52.23	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.46%	
50) Toluene-d8	7.70	98	353217	48.23	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	11.51	95	205107	53.39	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	62776	22.045	ug/l	95
3) Chloromethane	1.09	50	32888	20.990	ug/l	98
4) Vinyl Chloride	1.15	62	36179	22.884	ug/l #	84
5) Bromomethane	1.33	94	30984	28.279	ug/l	96
6) Chloroethane	1.42	64	20994	26.335	ug/l	93
7) Trichlorofluoromethane	1.48	101	33610	8.687	ug/l	97
8) Diethyl Ether	1.70	74	14568	19.566	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	51751	31.671	ug/l	94
10) Methyl Iodide	1.95	142	85976	30.057	ug/l	93
11) Tert butyl alcohol	2.67	59	16310	98.641	ug/l #	82
12) 1,1-Dichloroethene	1.85	96	37697	21.694	ug/l #	72
13) Acrolein	2.08	56	7839	87.793	ug/l	98
14) Allyl chloride	2.19	41	63886	29.460	ug/l	94
15) Acrylonitrile	3.07	53	27533	90.786	ug/l	94
16) Acetone	2.33	43	65690	105.771	ug/l #	89
17) Carbon Disulfide	1.84	76	103196	23.175	ug/l	100
18) Methyl Acetate	2.44	43	22915	18.874	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	116024	21.284	ug/l	99
20) Methylene Chloride	2.27	84	45255	25.505	ug/l #	82
21) trans-1,2-Dichloroethene	2.41	96	39416	24.533	ug/l	99
22) Diisopropyl ether	2.92	45	122444	20.090	ug/l	98
23) Vinyl Acetate	3.32	43	361109	101.394	ug/l #	96
24) 1,1-Dichloroethane	3.00	63	91308	24.260	ug/l	98
25) 2-Butanone	4.50	43	77541	92.396	ug/l	97
26) 2,2-Dichloropropane	3.76	77	70099	28.151	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	46390	24.809	ug/l	100
28) Bromochloromethane	3.89	49	33851	20.432	ug/l #	100
29) Tetrahydrofuran	4.25	42	33497	83.866	ug/l	95
30) Chloroform	4.03	83	124858	22.964	ug/l	98
31) Cyclohexane	3.86	56	51722	26.530	ug/l #	79
32) 1,1,1-Trichloroethane	4.27	97	105954	29.987	ug/l	96
36) 1,1-Dichloropropene	4.46	75	75819	22.566	ug/l	97
37) Ethyl Acetate	4.28	43	34879	15.289	ug/l #	1
38) Carbon Tetrachloride	4.17	117	123352	32.036	ug/l	96

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Quant Time: Jul 20 04:52:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	65124	25.540	ug/l	96
40) Benzene	4.80	78	140554	21.563	ug/l	100
41) Methacrylonitrile	4.92	41	18047	18.730	ug/l	93
42) 1,2-Dichloroethane	5.11	62	94911	22.167	ug/l	98
43) Isopropyl Acetate	7.11	43	41115	17.029	ug/l #	94
44) Trichloroethene	5.67	130	54746	22.690	ug/l	95
45) 1,2-Dichloropropane	6.40	63	38676	21.377	ug/l	97
46) Dibromomethane	6.24	93	35250	21.394	ug/l	89
47) Bromodichloromethane	6.55	83	92364	21.778	ug/l	99
48) Methyl methacrylate	6.87	41	30631	17.764	ug/l	98
49) 1,4-Dioxane	6.86	88	3796	448.328	ug/l #	83
51) 4-Methyl-2-Pentanone	8.40	43	158780	92.777	ug/l	99
52) Toluene	7.78	92	107860	22.816	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	82233	21.079	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	82654	21.278	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	38636	21.093	ug/l	97
56) Ethyl methacrylate	8.76	69	41933	18.460	ug/l	95
57) 1,3-Dichloropropane	8.99	76	69268	21.386	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	24922	124.271	ug/l	100
59) 2-Hexanone	9.62	43	125758	97.229	ug/l	95
60) Dibromochloromethane	8.86	129	65797	21.315	ug/l	89
61) 1,2-Dibromoethane	9.13	107	48323	21.262	ug/l	92
64) Tetrachloroethene	8.30	164	59271	23.037	ug/l	93
65) Chlorobenzene	9.94	112	144356	22.278	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	64095	21.717	ug/l	93
67) Ethyl Benzene	10.04	91	264615	22.942	ug/l	98
68) m/p-Xylenes	10.26	106	184774	45.389	ug/l	98
69) o-Xylene	10.83	106	99209	22.887	ug/l	91
70) Styrene	10.89	104	155376	23.319	ug/l	100
71) Bromoform	10.88	173	40706	19.856	ug/l	98
73) Isopropylbenzene	11.23	105	312338	21.525	ug/l	100
74) N-amyl acetate	11.46	43	68723	14.788	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	59517	18.806	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	49778	19.261	ug/l	87
77) Bromobenzene	11.59	156	83629	20.562	ug/l	96
78) n-propylbenzene	11.68	91	379734	22.814	ug/l	93
79) 2-Chlorotoluene	11.81	91	225452	21.990	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	275801	22.683	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	26805	22.705	ug/l	89
82) 4-Chlorotoluene	11.99	91	245785	21.395	ug/l	90
83) tert-Butylbenzene	12.22	119	273121	23.405	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	280452	22.419	ug/l	98
85) sec-Butylbenzene	12.38	105	345255	23.264	ug/l	94
86) p-Isopropyltoluene	12.53	119	298181	23.092	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	156577	22.440	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	148064	21.535	ug/l	97
89) n-Butylbenzene	12.92	91	295670	24.467	ug/l	96
90) Hexachloroethane	12.99	117	73105	24.924	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	147604	22.118	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	14149	19.733	ug/l	81

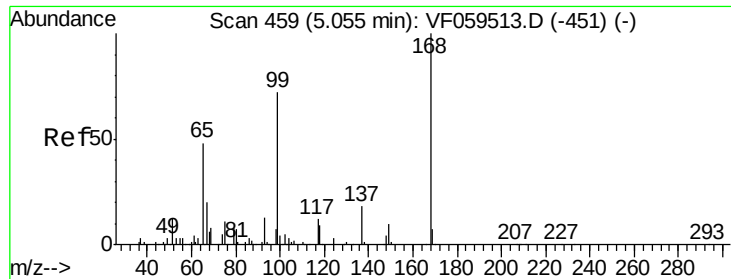
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071918\
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Quant Time: Jul 20 04:52:39 2018
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Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	107336	26.470	ug/l	96
94) Hexachlorobutadiene	14.26	225	68968	33.201	ug/l	97
95) Naphthalene	14.52	128	194935	23.141	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	102820	28.064	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

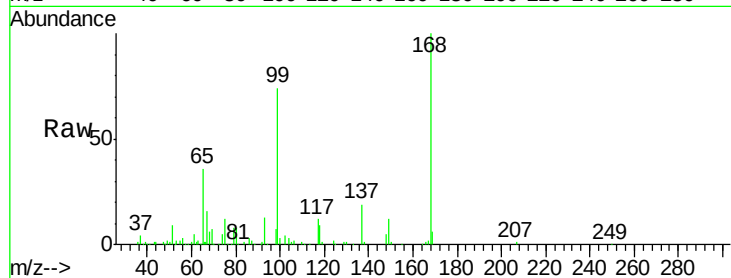
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 232419

Ion Ratio Lower Upper

168 100

99 74.0 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

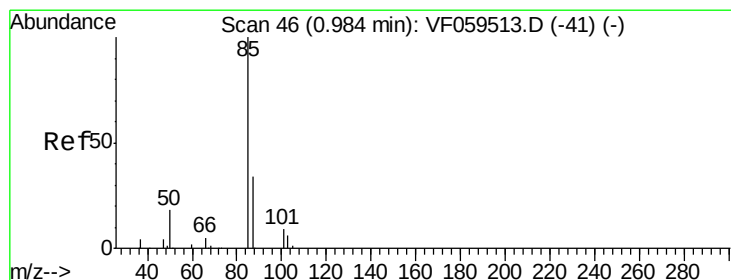
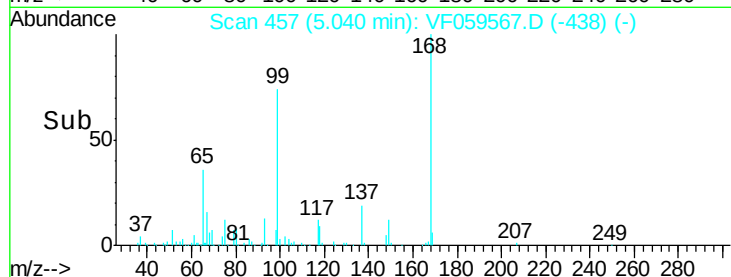
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 22.045 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059567.D

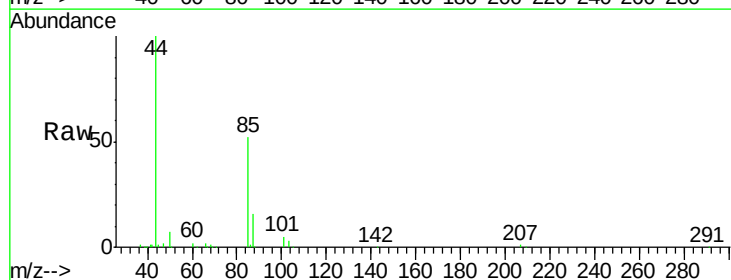
Acq: 19 Jul 2018 20:57

Tgt Ion: 85 Resp: 62776

Ion Ratio Lower Upper

85 100

87 30.9 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

15000

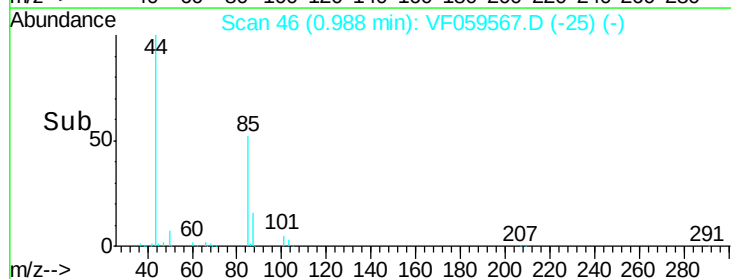
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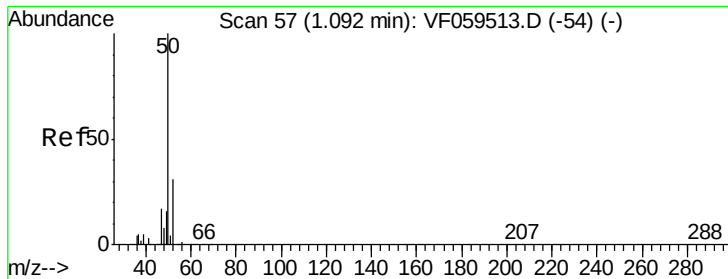
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 20.990 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

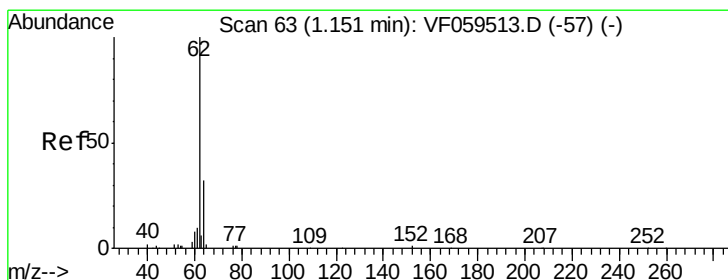
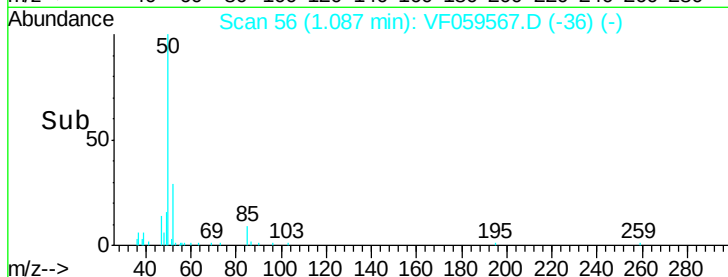
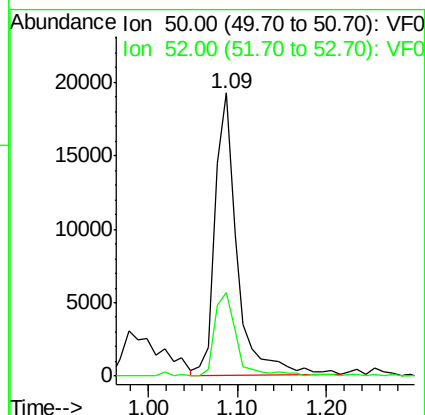
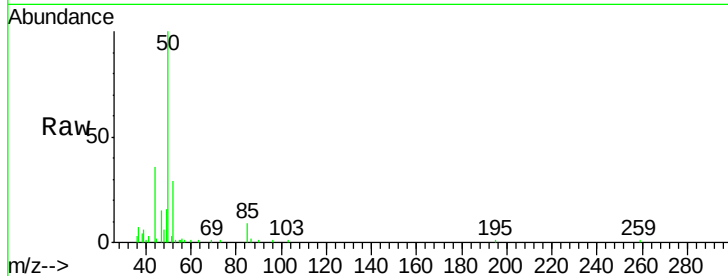
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 32888

Ion Ratio Lower Upper

50 100

52 29.5 24.6 37.0



#4

Vinyl Chloride

Concen: 22.884 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059567.D

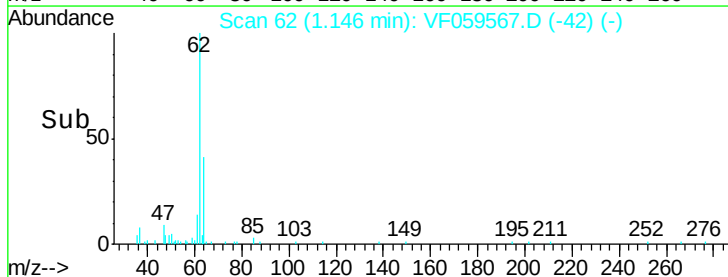
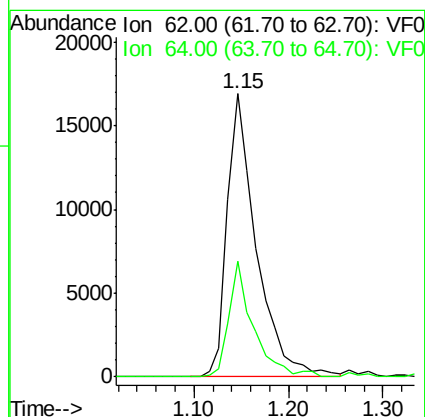
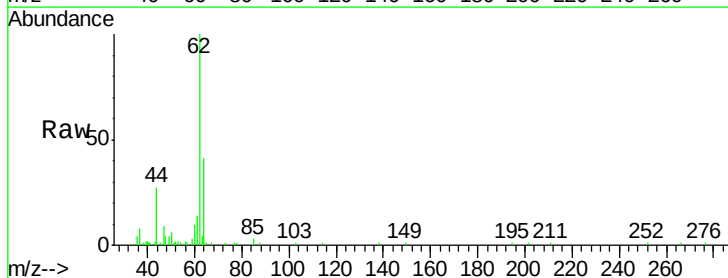
Acq: 19 Jul 2018 20:57

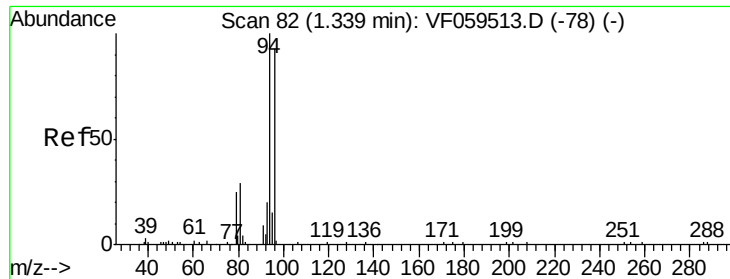
Tgt Ion: 62 Resp: 36179

Ion Ratio Lower Upper

62 100

64 40.9 25.7 38.5#





#5

Bromomethane

Concen: 28.279 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

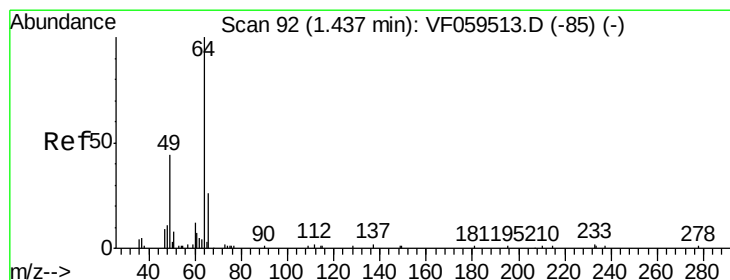
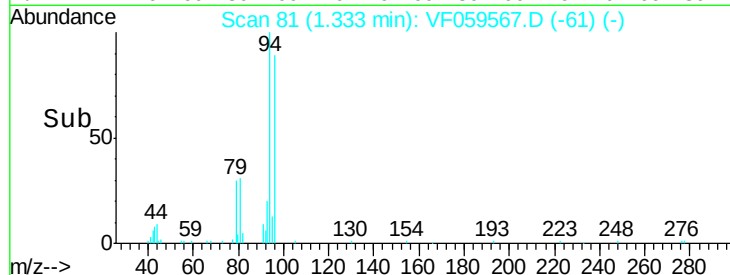
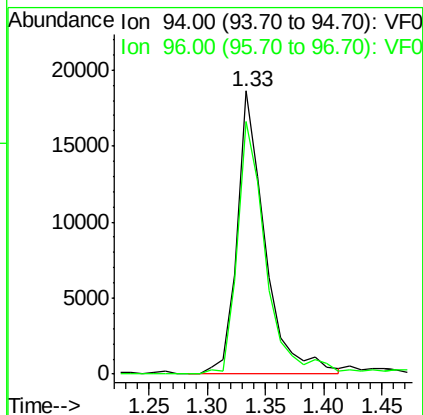
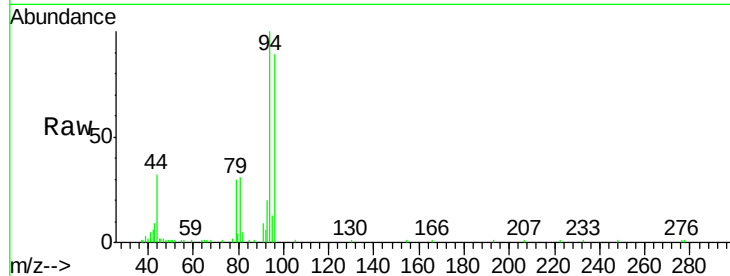
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 30984

Ion Ratio Lower Upper

94 100

96 89.3 74.2 111.2



#6

Chloroethane

Concen: 26.335 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059567.D

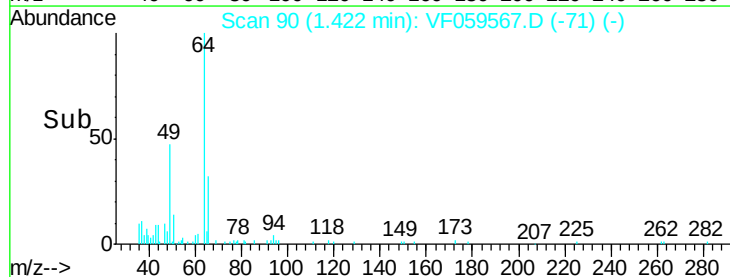
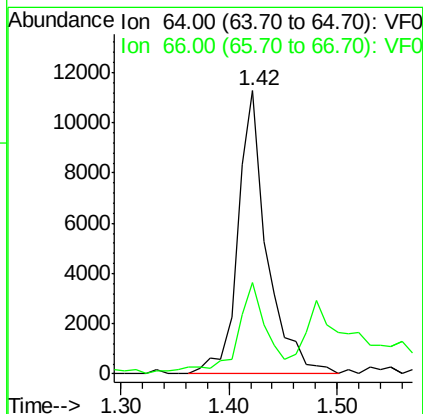
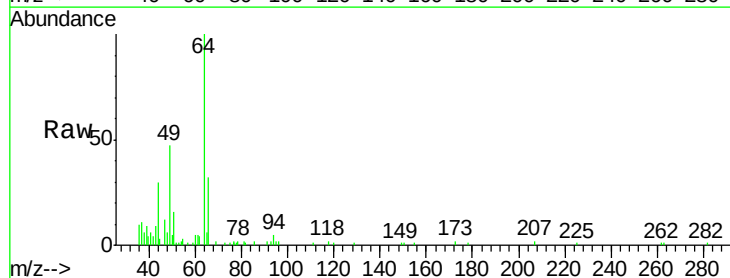
Acq: 19 Jul 2018 20:57

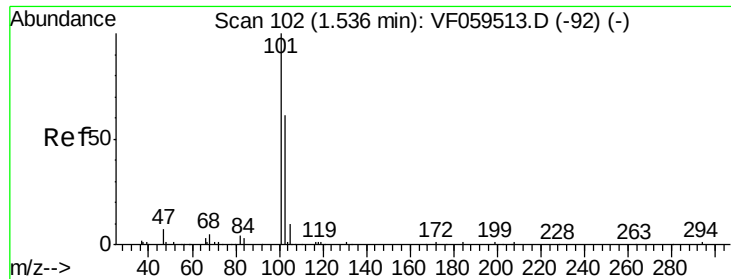
Tgt Ion: 64 Resp: 20994

Ion Ratio Lower Upper

64 100

66 32.2 22.9 34.3





#7

Trichlorofluoromethane

Concen: 8.687 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.05 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

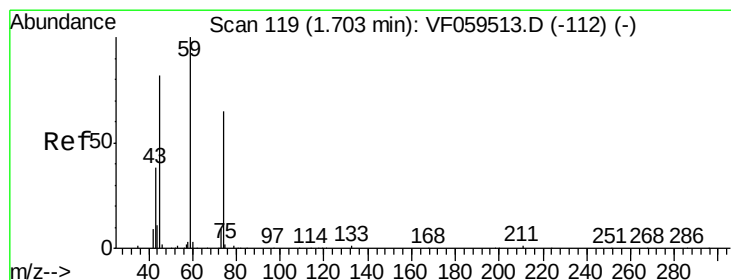
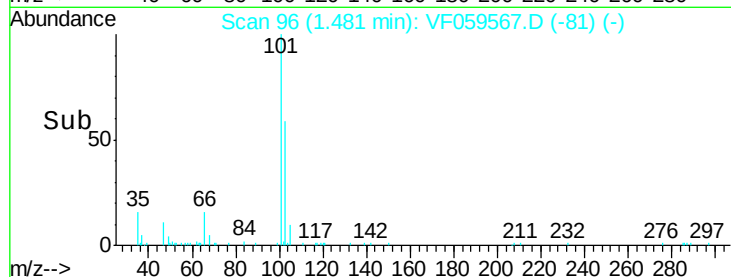
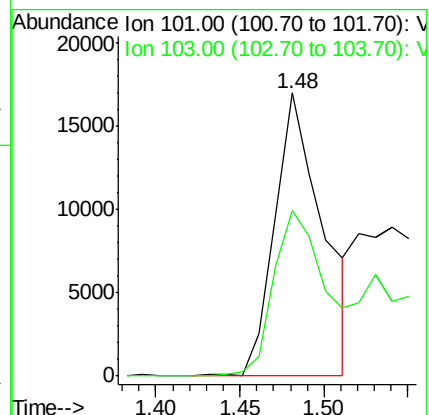
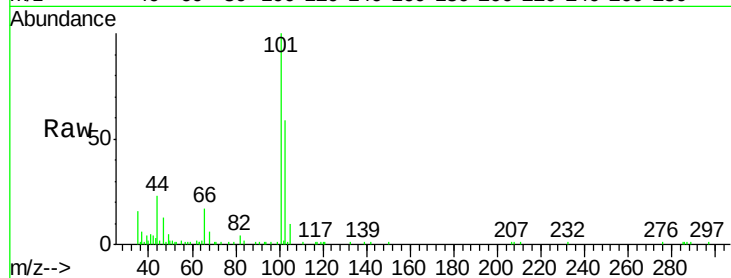
ClientSampleId :

Tot Ion:101 Resp: 33610

Ion Ratio Lower Upper

101 100

103 58.5 48.6 72.8



#8

Diethyl Ether

Concen: 19.566 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059567.D

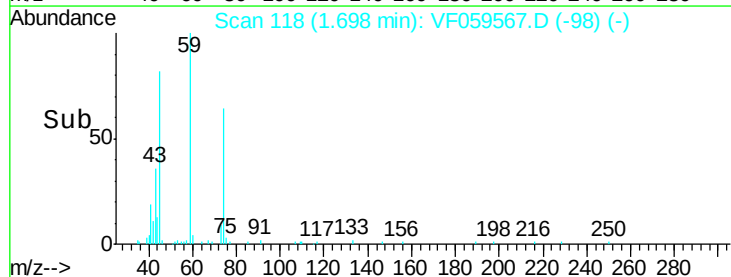
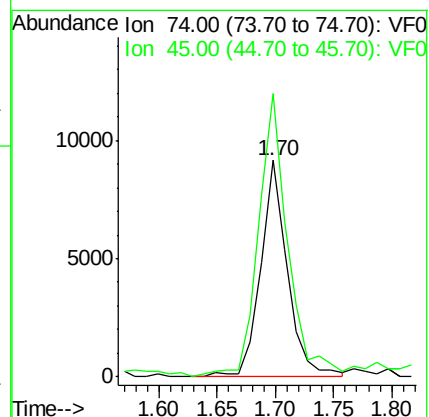
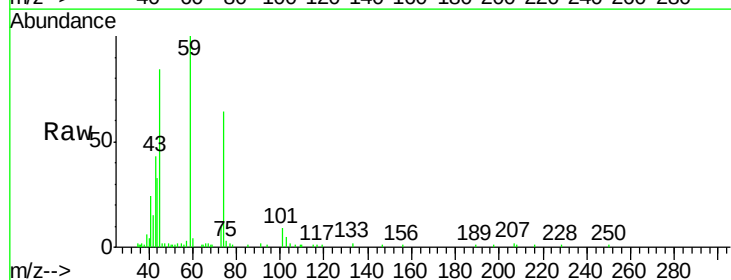
Acq: 19 Jul 2018 20:57

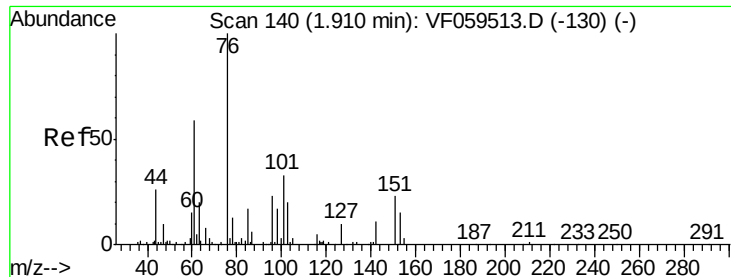
Tgt Ion: 74 Resp: 14568

Ion Ratio Lower Upper

74 100

45 130.8 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 31.671 ug/l

RT: 1.90 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

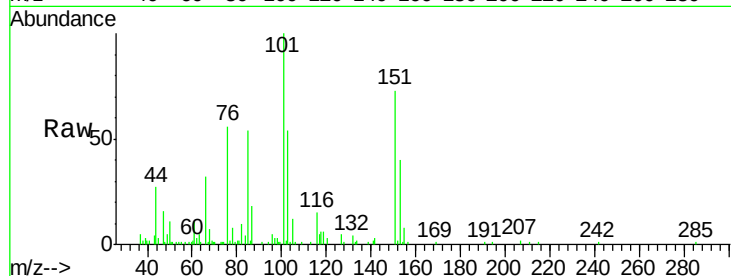
Tot Ion:101 Resp: 51751

Ion Ratio Lower Upper

101 100

85 53.9 39.8 59.6

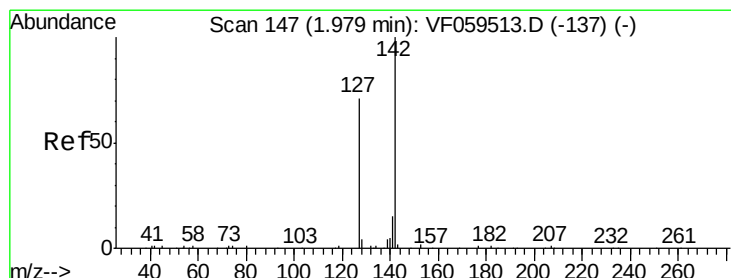
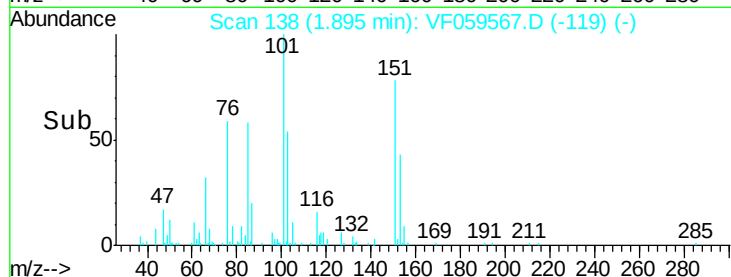
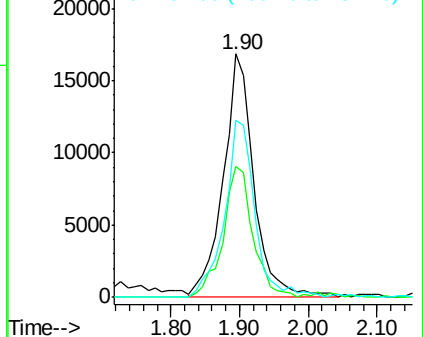
151 72.7 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 30.057 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.03 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

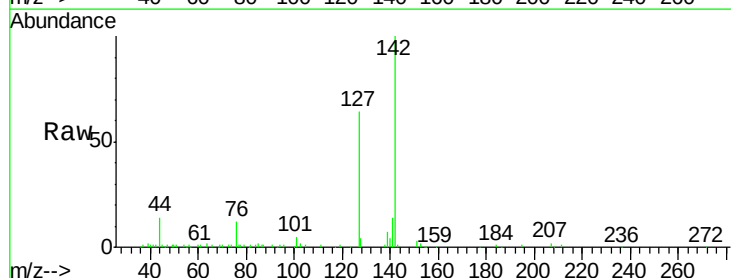
Tgt Ion:142 Resp: 85976

Ion Ratio Lower Upper

142 100

127 64.1 56.4 84.6

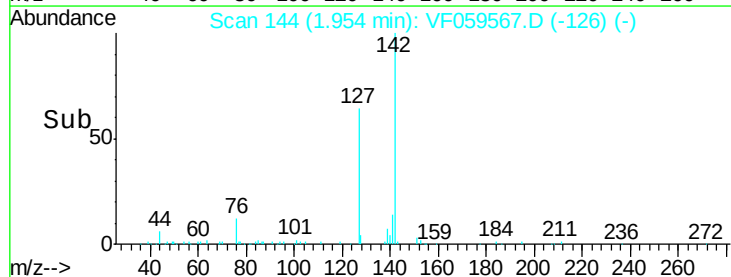
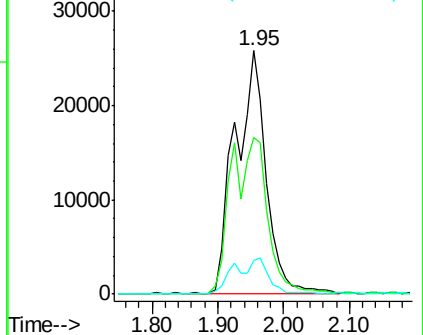
141 13.8 12.0 18.0

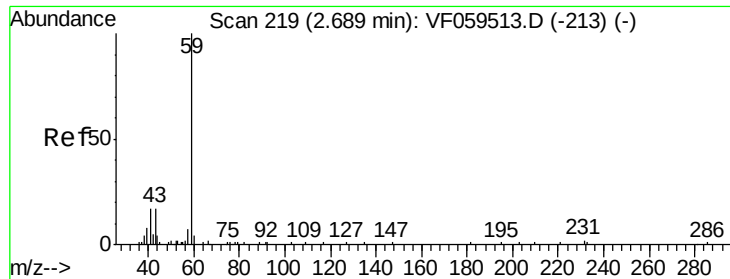


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

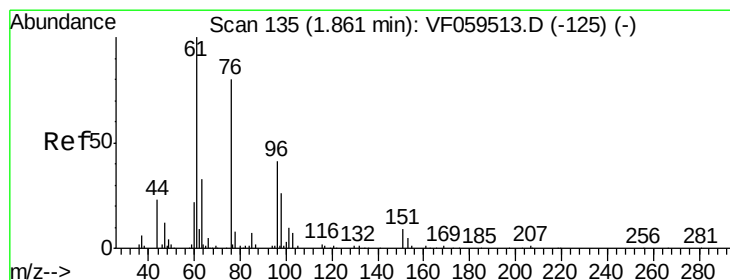
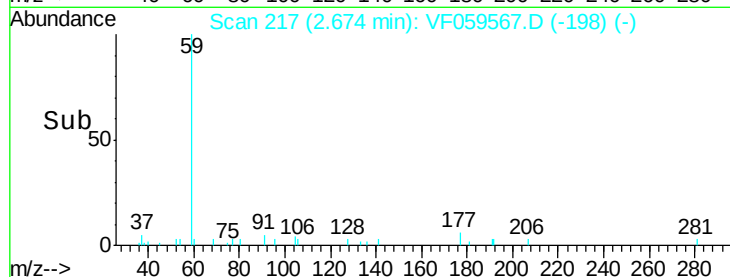
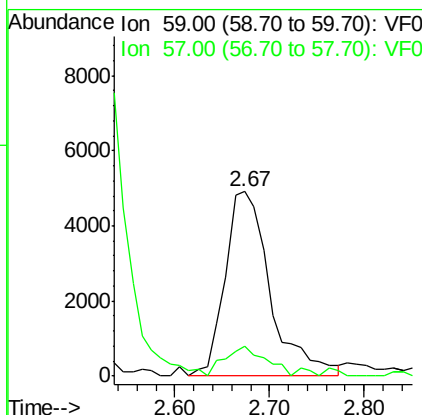
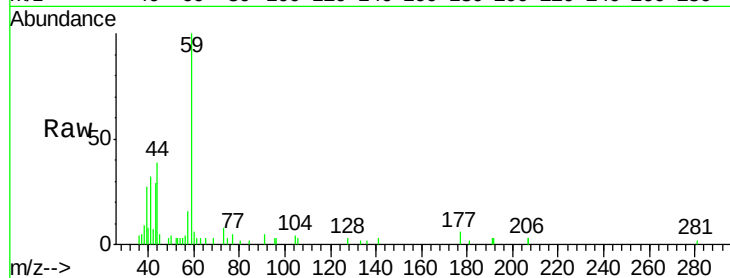




#11
Tert butyl alcohol
Concen: 98.641 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

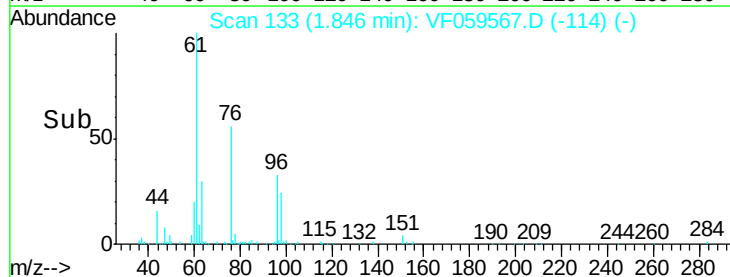
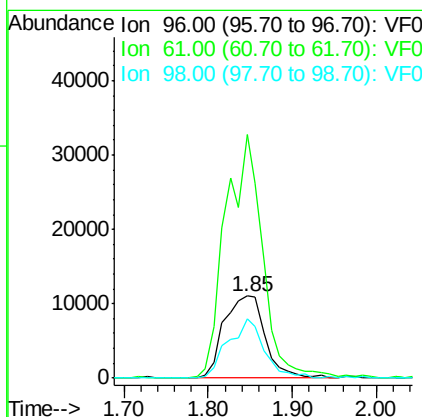
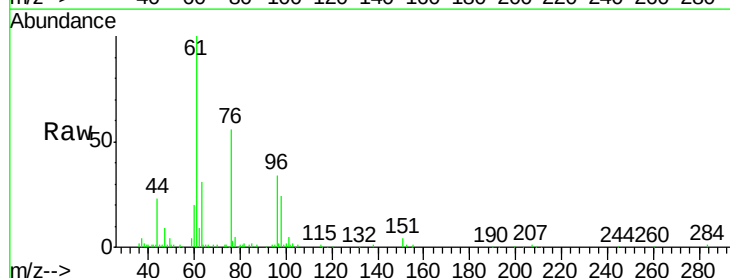
Instrument :
MSVOA_F
ClientSampleId :

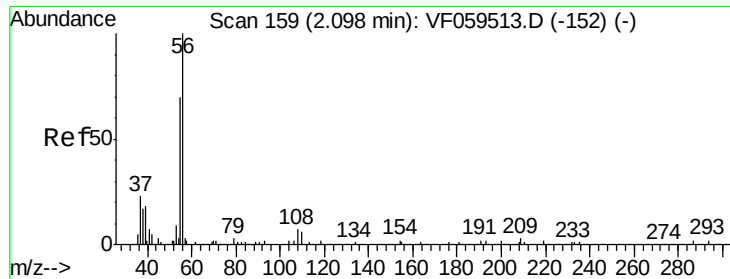
Tot Ion: 59 Resp: 16310
Ion Ratio Lower Upper
59 100
57 16.2 7.7 11.5#



#12
1,1-Dichloroethene
Concen: 21.694 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

Tgt Ion: 96 Resp: 37697
Ion Ratio Lower Upper
96 100
61 297.9 194.3 291.5#
98 72.1 50.3 75.5

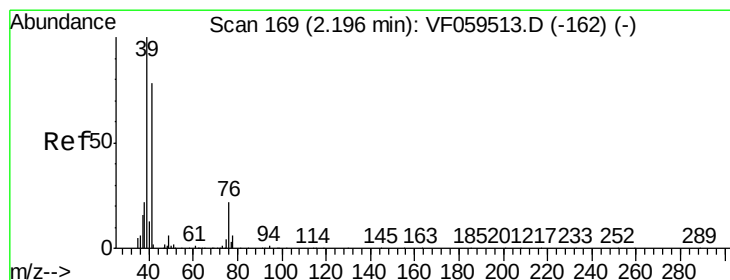
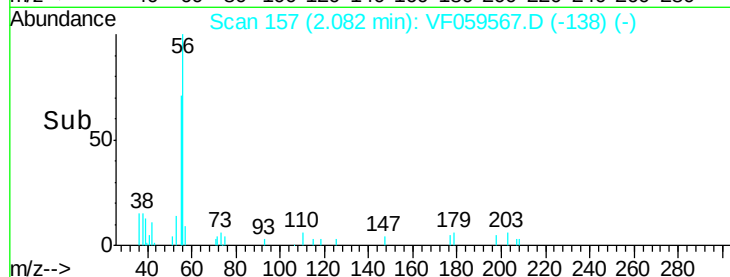
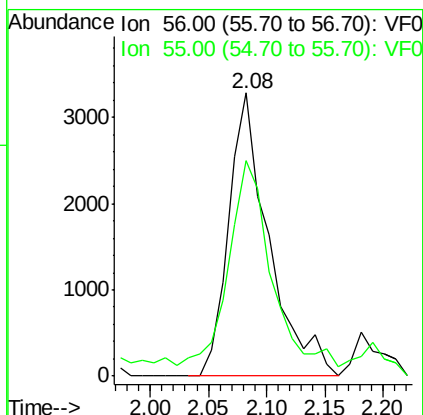
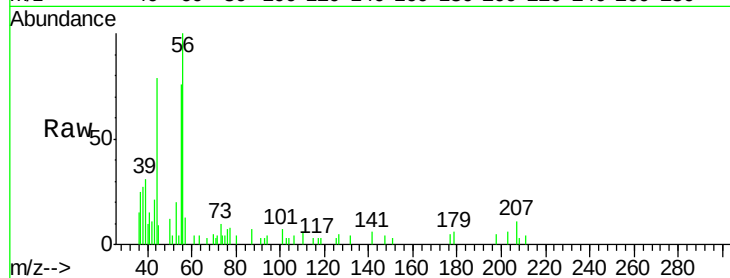




#13
 Acrolein
 Concen: 87.793 ug/l
 RT: 2.08 min Scan# 157
 Delta R.T. -0.01 min
 Lab File: VF059567.D
 Acq: 19 Jul 2018 20:57

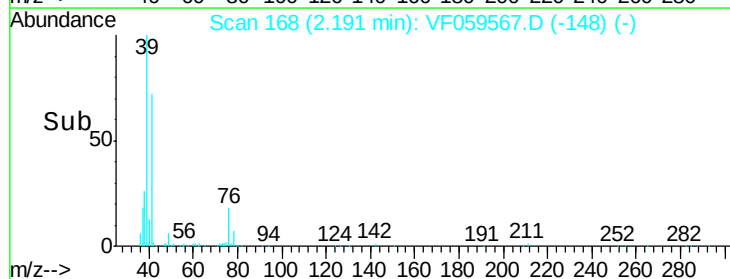
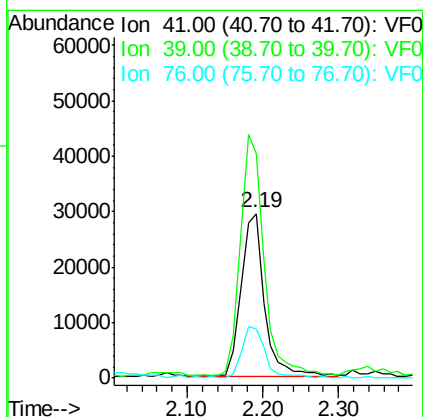
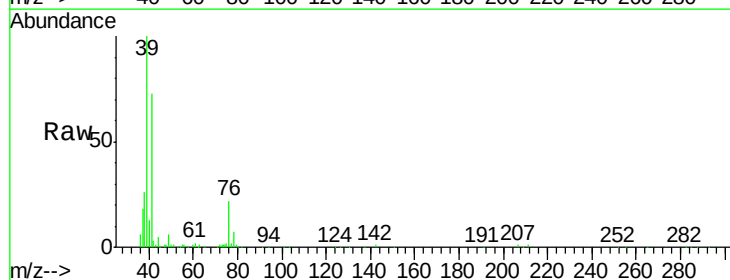
Instrument :
 MSVOA_F
 ClientSampleId :

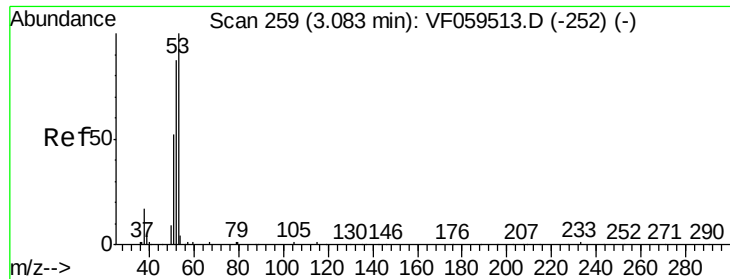
Tot Ion: 56 Resp: 7839
 Ion Ratio Lower Upper
 56 100
 55 76.1 59.4 89.2



#14
 Allyl chloride
 Concen: 29.460 ug/l
 RT: 2.19 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VF059567.D
 Acq: 19 Jul 2018 20:57

Tgt Ion: 41 Resp: 63886
 Ion Ratio Lower Upper
 41 100
 39 136.3 103.0 154.4
 76 29.7 22.6 34.0





#15

Acrylonitrile

Concen: 90.786 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

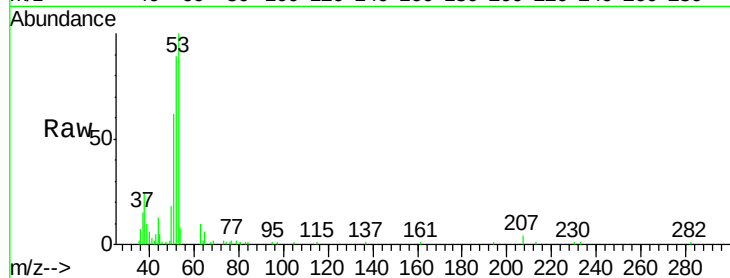
Tot Ion: 53 Resp: 27533

Ion Ratio Lower Upper

53 100

52 89.4 70.1 105.1

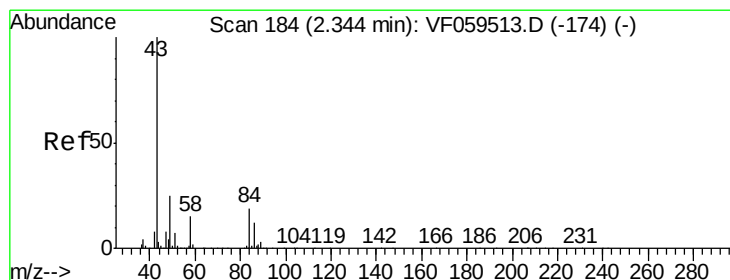
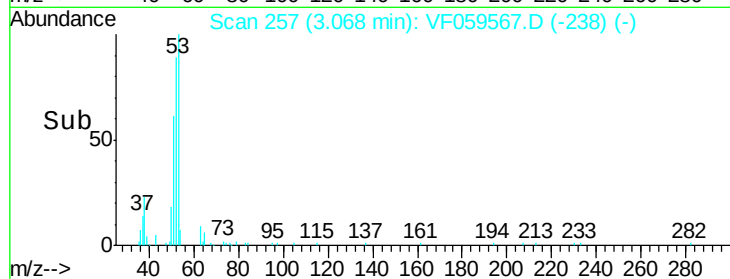
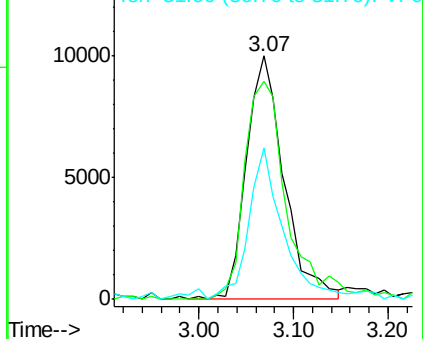
51 62.3 42.5 63.7



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 105.771 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059567.D

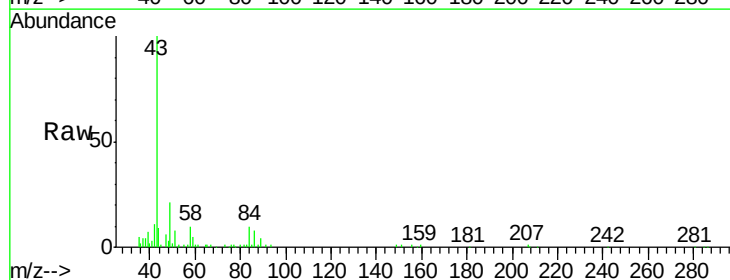
Acq: 19 Jul 2018 20:57

Tgt Ion: 43 Resp: 65690

Ion Ratio Lower Upper

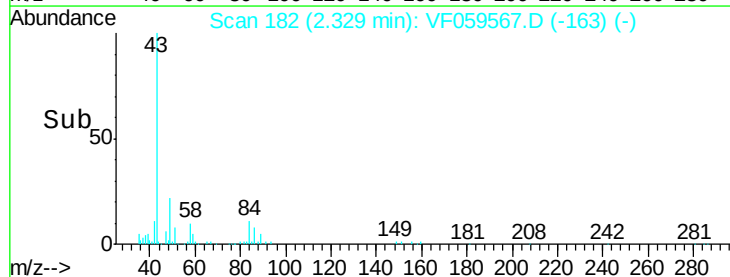
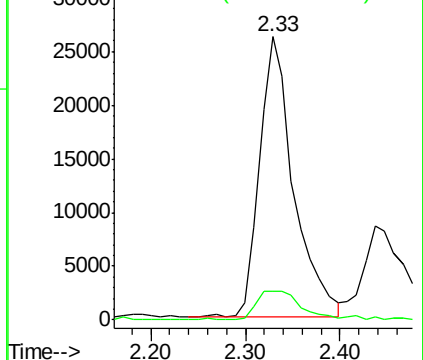
43 100

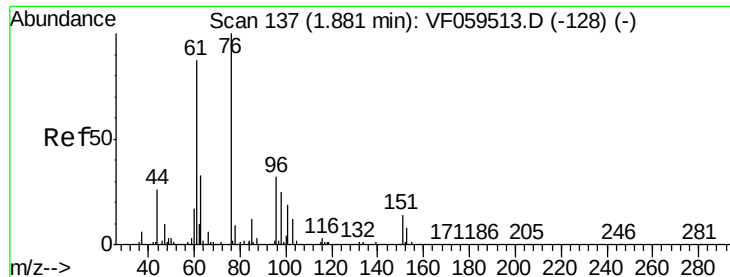
58 10.1 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 23.175 ug/l

RT: 1.84 min Scan# 132

Delta R.T. -0.04 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

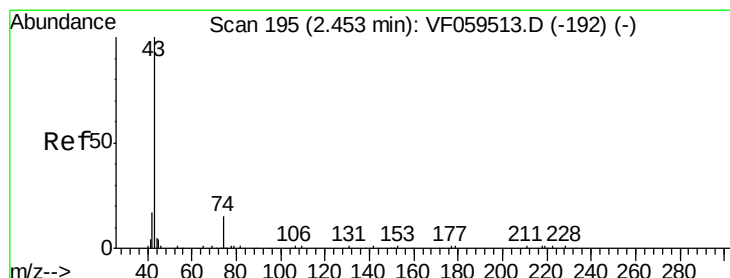
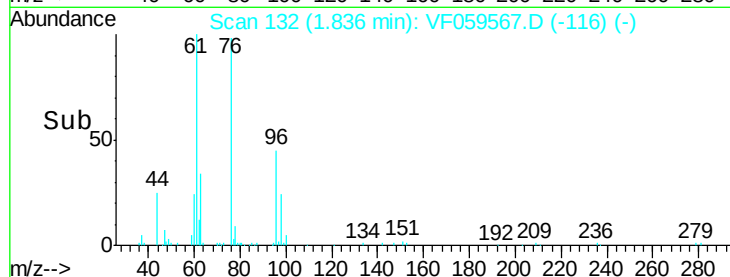
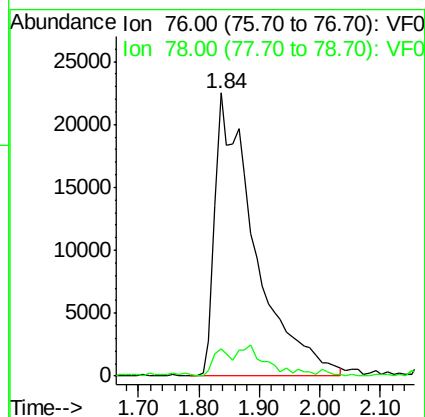
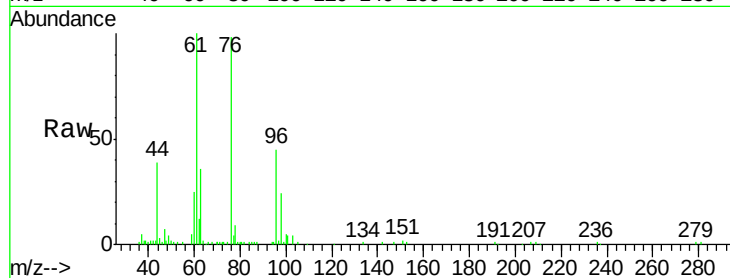
ClientSampleId :

Tot Ion: 76 Resp: 103196

Ion Ratio Lower Upper

76 100

78 9.6 7.8 11.6



#18

Methyl Acetate

Concen: 18.874 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059567.D

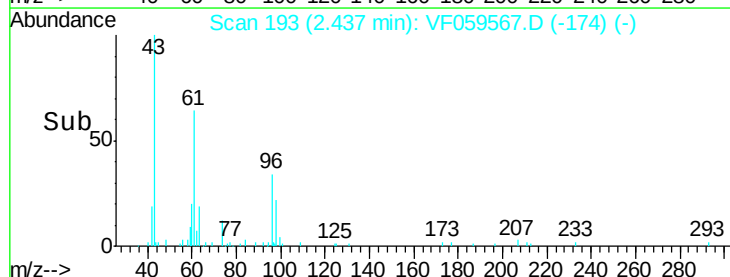
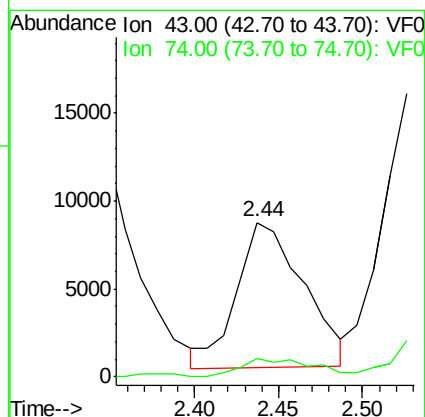
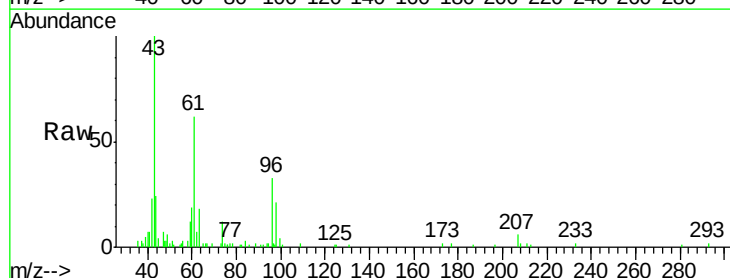
Acq: 19 Jul 2018 20:57

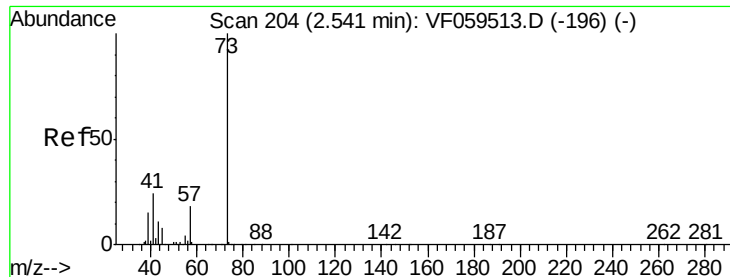
Tgt Ion: 43 Resp: 22915

Ion Ratio Lower Upper

43 100

74 11.6 10.6 15.8



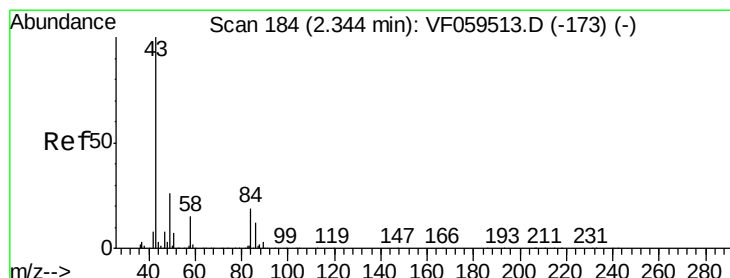
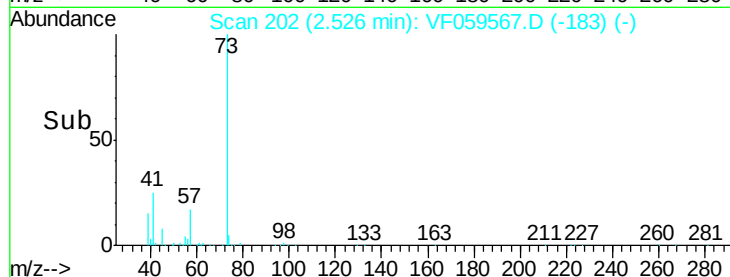
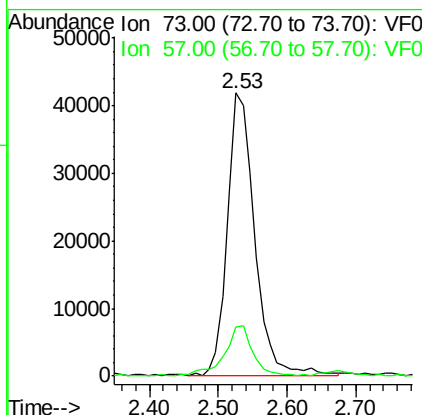
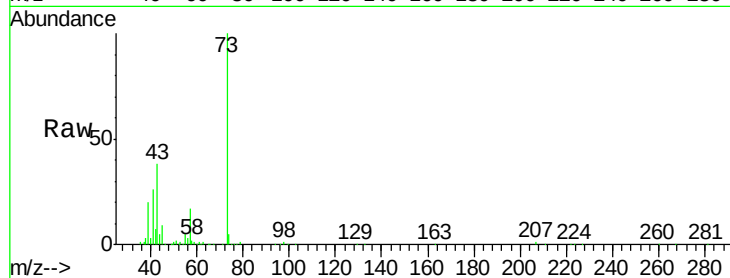


#19

Methyl tert-butyl Ether
 Concen: 21.284 ug/l
 RT: 2.53 min Scan# 202
 Delta R.T. -0.02 min
 Lab File: VF059567.D
 Acq: 19 Jul 2018 20:57

Instrument :
 MSVOA_F
 ClientSampleId :

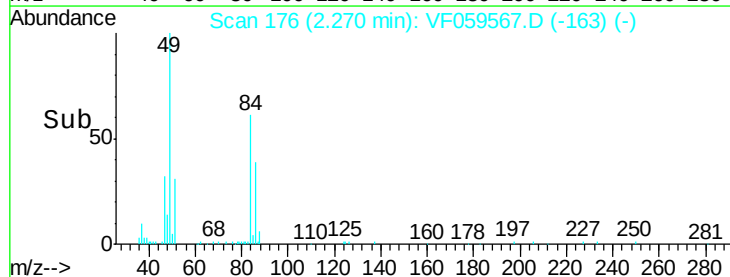
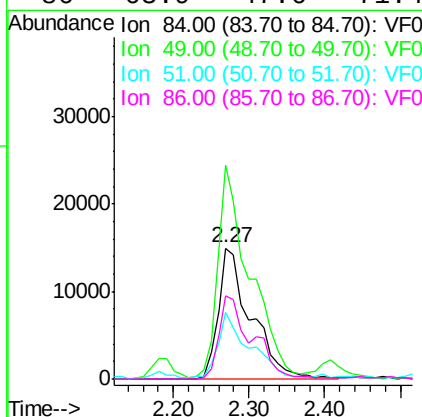
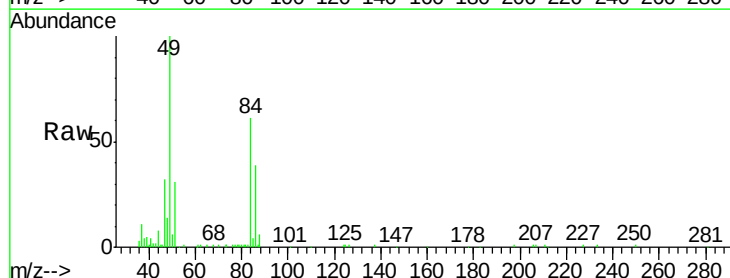
Tot Ion: 73 Resp: 116024
 Ion Ratio Lower Upper
 73 100
 57 17.3 14.3 21.5

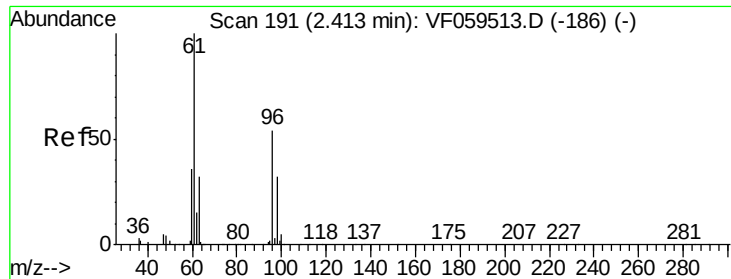


#20

Methylene Chloride
 Concen: 25.505 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.07 min
 Lab File: VF059567.D
 Acq: 19 Jul 2018 20:57

Tgt Ion: 84 Resp: 45255
 Ion Ratio Lower Upper
 84 100
 49 163.0 109.4 164.2
 51 50.8 30.5 45.7#
 86 63.9 47.6 71.4





#21

trans-1,2-Dichloroethene

Concen: 24.533 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

ClientSampled :

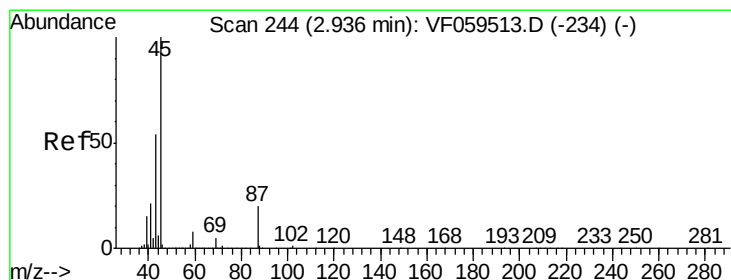
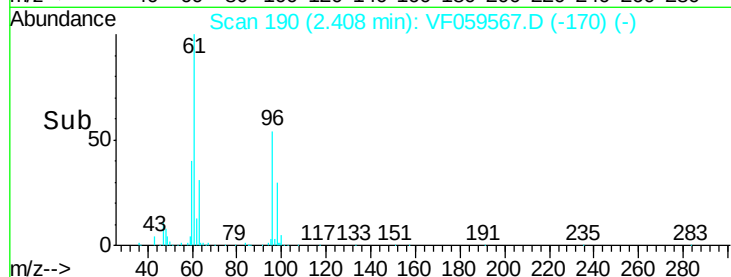
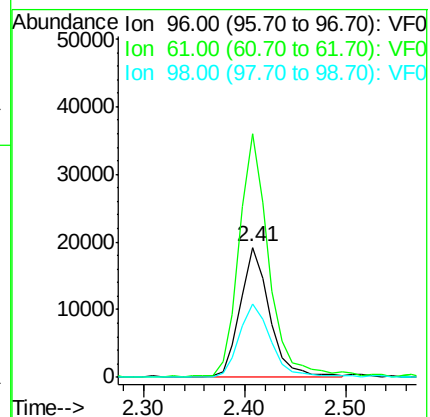
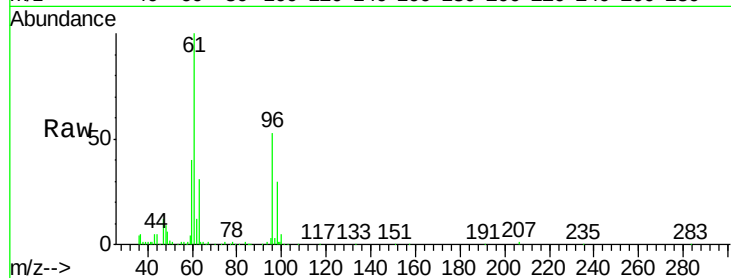
Tot Ion: 96 Resp: 39416

Ion Ratio Lower Upper

96 100

61 187.0 149.8 224.8

98 56.0 47.8 71.8



#22

Diisopropyl ether

Concen: 20.090 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Tgt Ion: 45 Resp: 122444

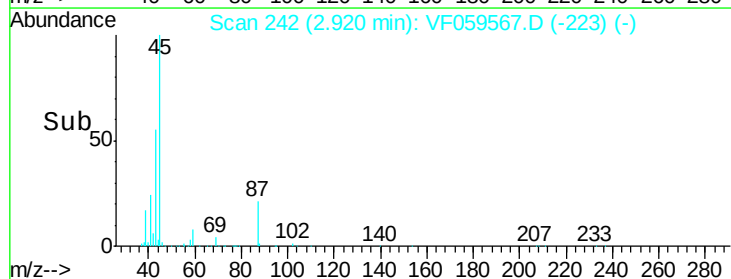
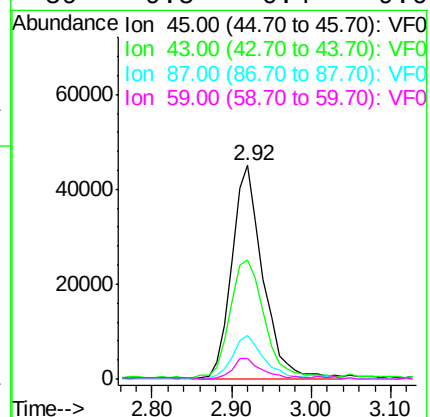
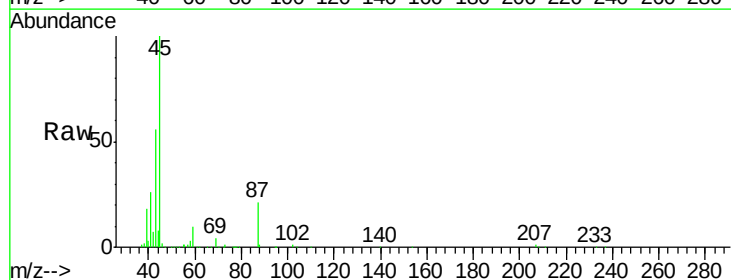
Ion Ratio Lower Upper

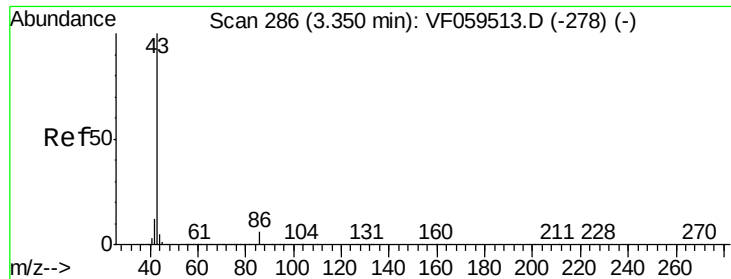
45 100

43 55.9 43.6 65.4

87 20.7 15.6 23.4

59 9.5 6.4 9.6





#23

Vinyl Acetate

Concen: 101.394 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.03 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

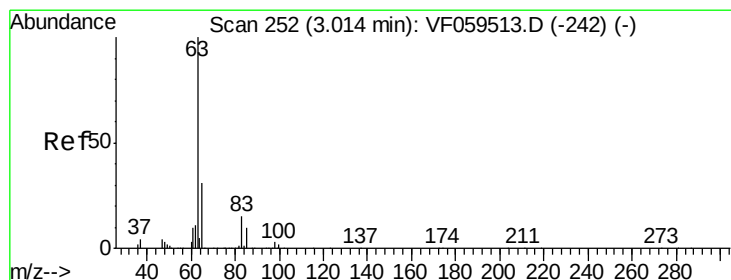
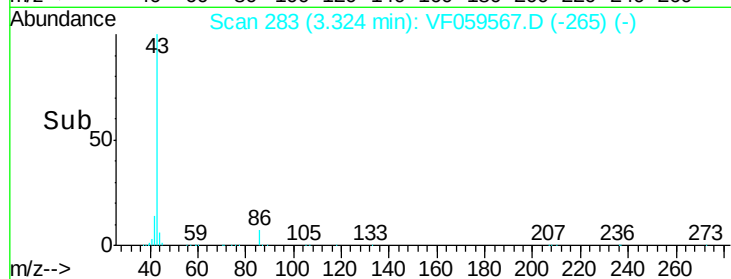
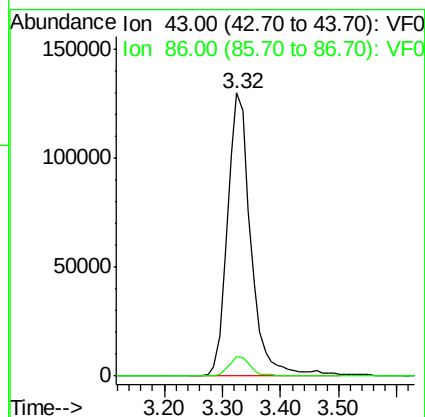
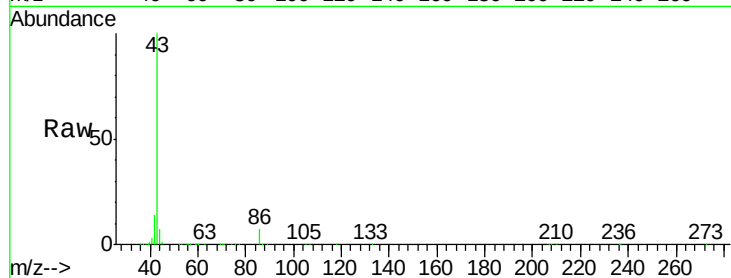
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 361109

Ion Ratio Lower Upper

43 100

86 6.9 4.4 6.6#



#24

1,1-Dichloroethane

Concen: 24.260 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

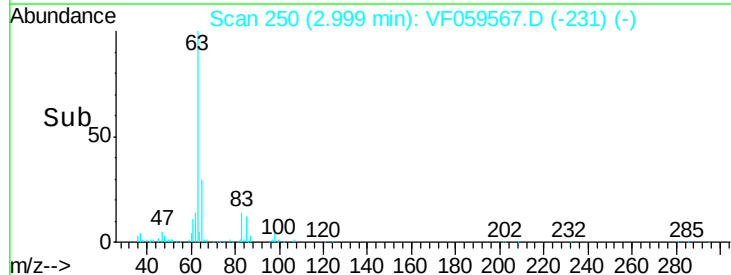
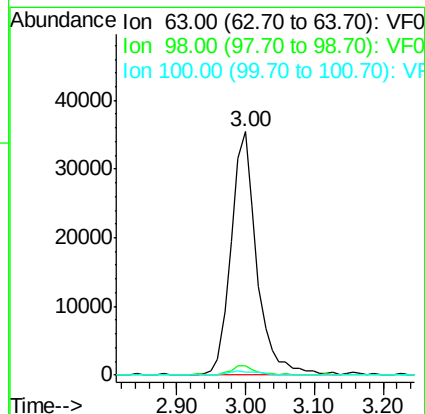
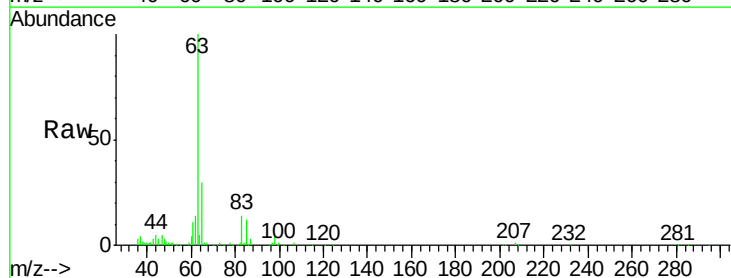
Tgt Ion: 63 Resp: 91308

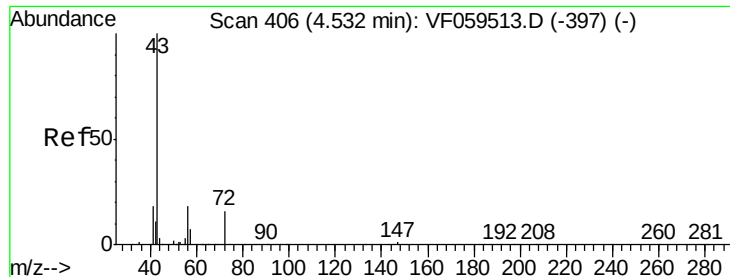
Ion Ratio Lower Upper

63 100

98 3.8 1.8 5.4

100 1.4 1.3 3.8





#25

2-Butanone

Concen: 92.396 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.03 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

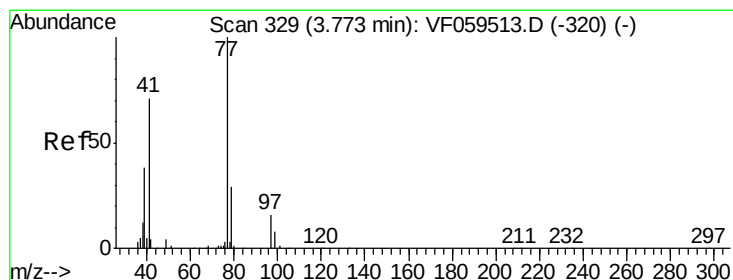
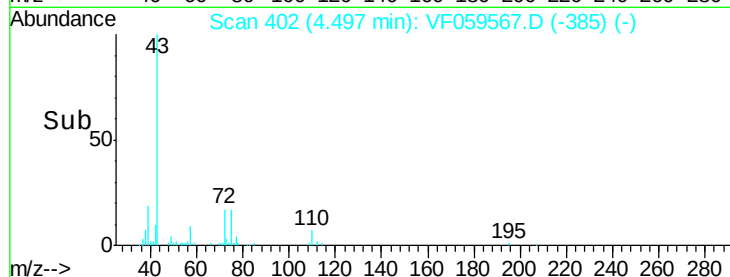
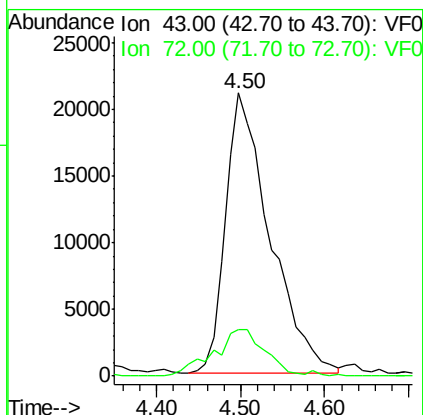
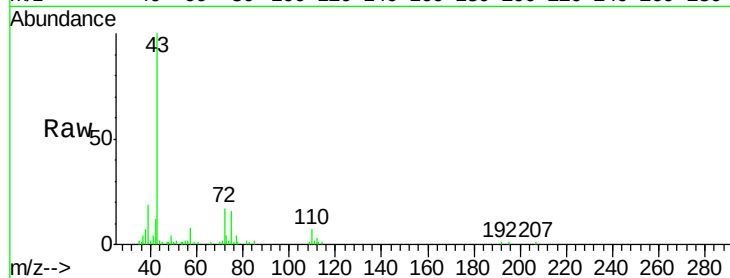
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 77541

Ion Ratio Lower Upper

43 100

72 16.5 14.2 21.4



#26

2,2-Dichloropropane

Concen: 28.151 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF059567.D

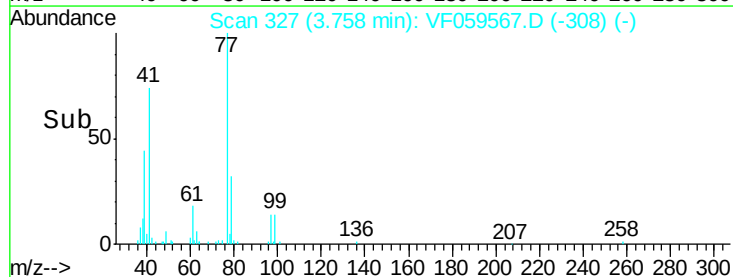
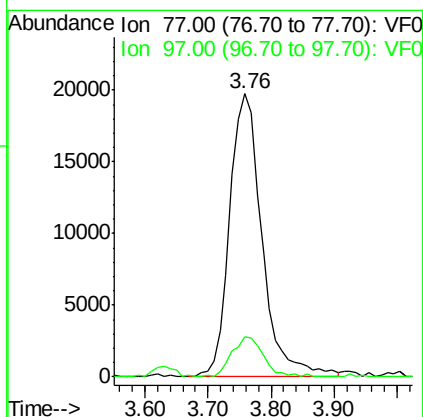
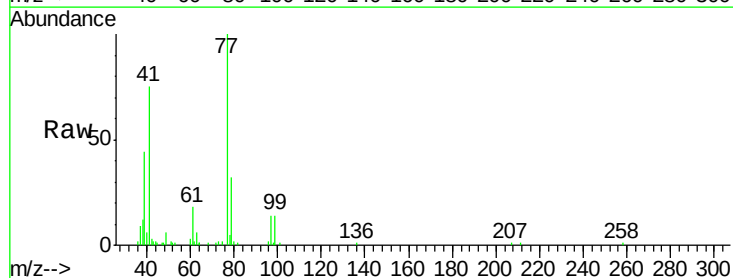
Acq: 19 Jul 2018 20:57

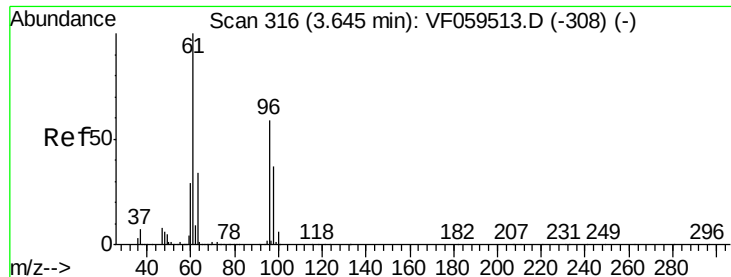
Tgt Ion: 77 Resp: 70099

Ion Ratio Lower Upper

77 100

97 14.4 8.1 24.3



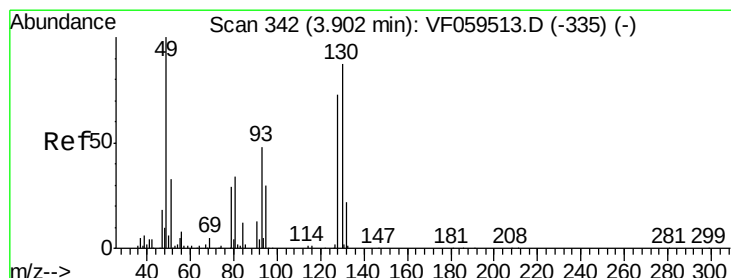
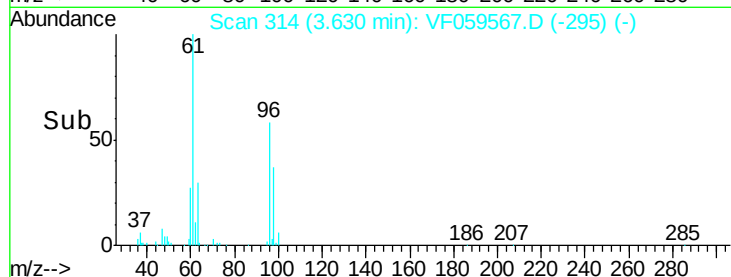
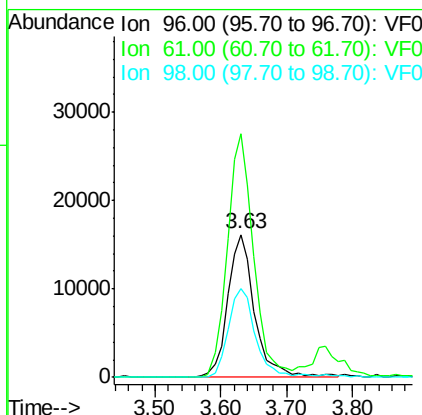
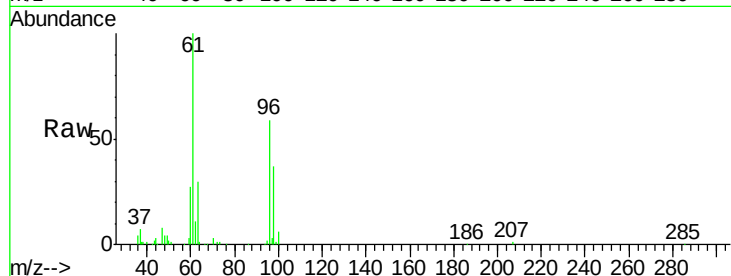


#27

cis-1,2-Dichloroethene
Concen: 24.809 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

Instrument :
MSVOA_F
ClientSampleId :

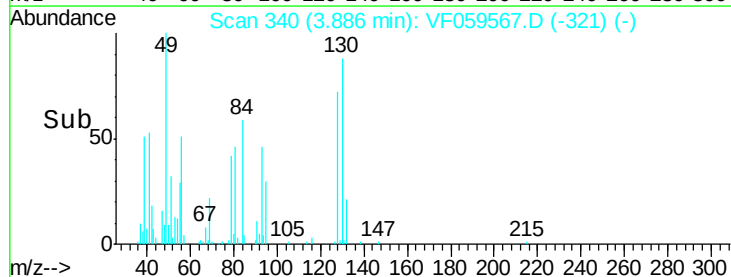
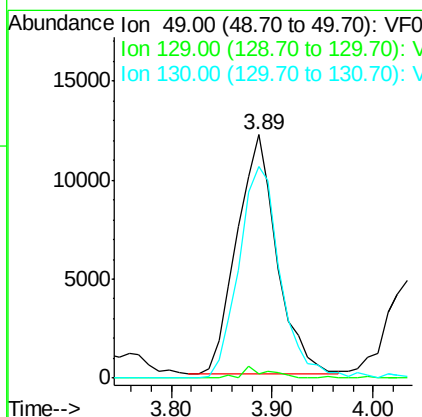
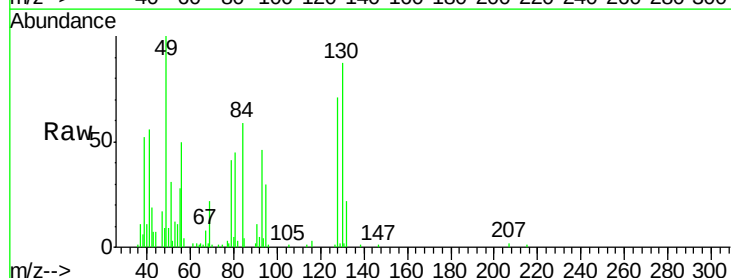
Tot Ion	Ratio	Lower	Upper
96	100		
61	170.2	0.0	339.0
98	62.4	0.0	125.4

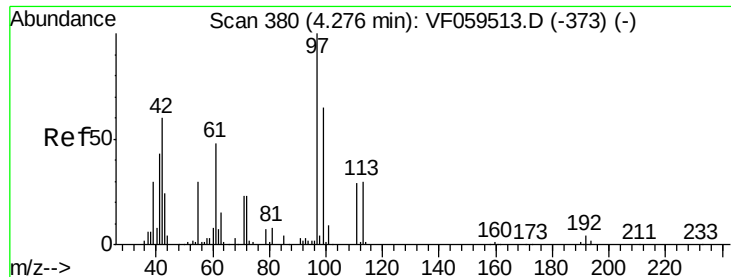


#28

Bromochloromethane
Concen: 20.432 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	0.0#
130	86.9	69.8	104.6

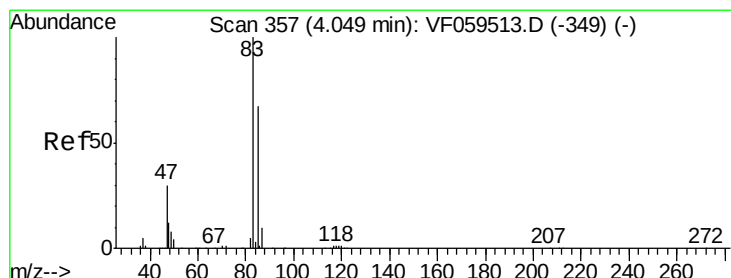
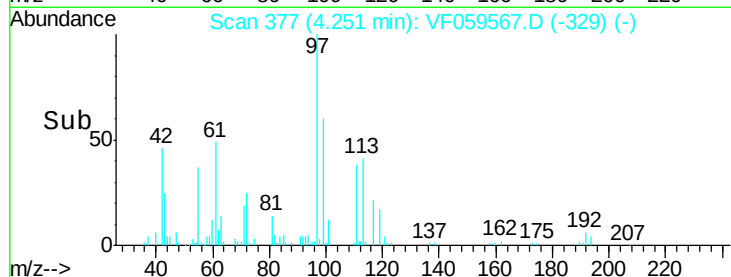
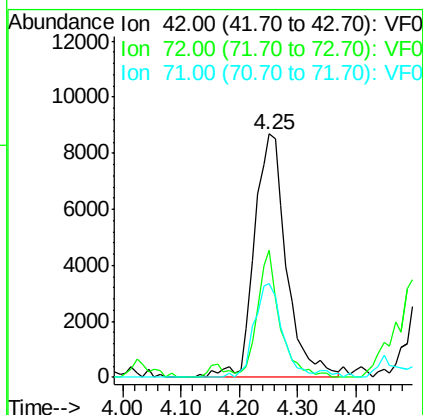
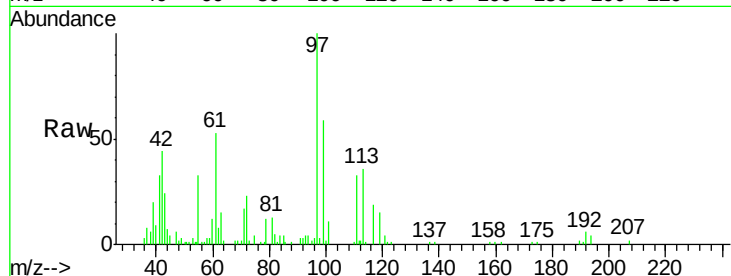




#29
Tetrahydrofuran
Concen: 83.866 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

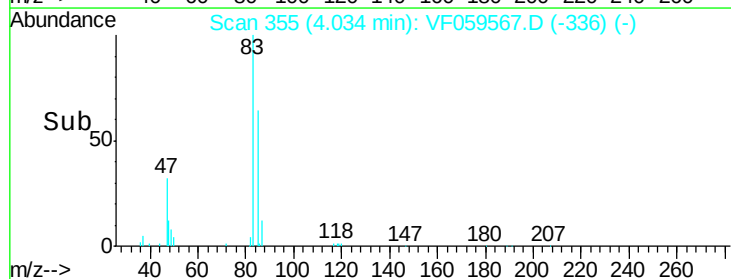
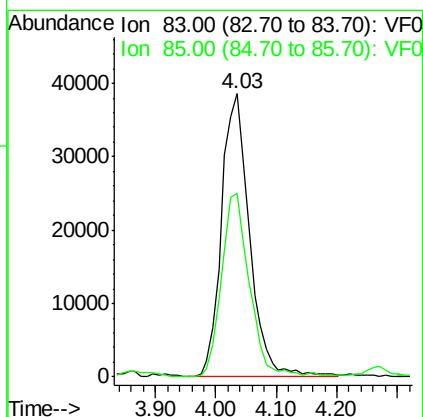
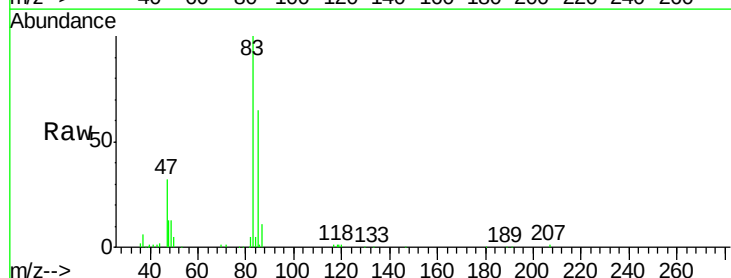
Instrument :
MSVOA_F
ClientSampleId :

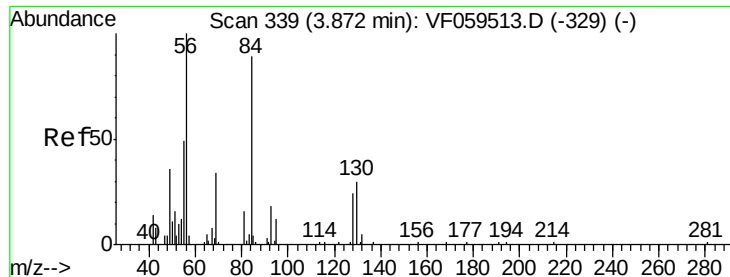
Tot Ion: 42 Resp: 33497
Ion Ratio Lower Upper
42 100
72 36.5 28.7 43.1
71 33.4 30.8 46.2



#30
Chloroform
Concen: 22.964 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

Tgt Ion: 83 Resp: 124858
Ion Ratio Lower Upper
83 100
85 64.9 53.2 79.8





#31

Cyclohexane

Concen: 26.530 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :
MSVOA_F
ClientSampleId :

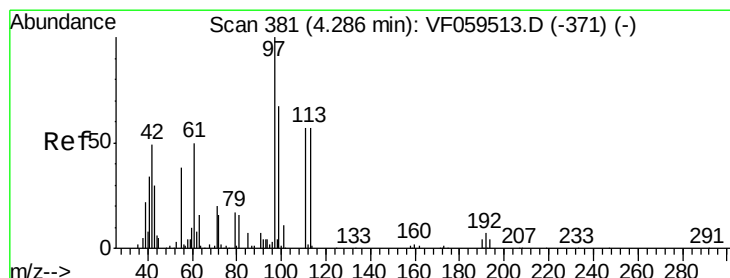
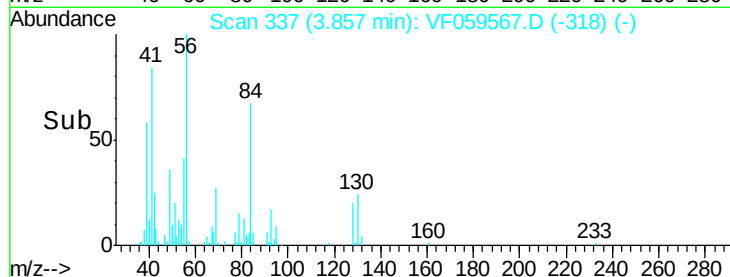
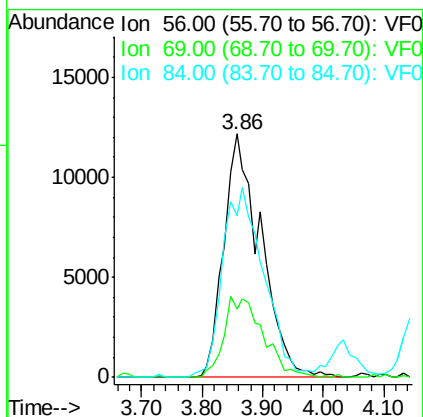
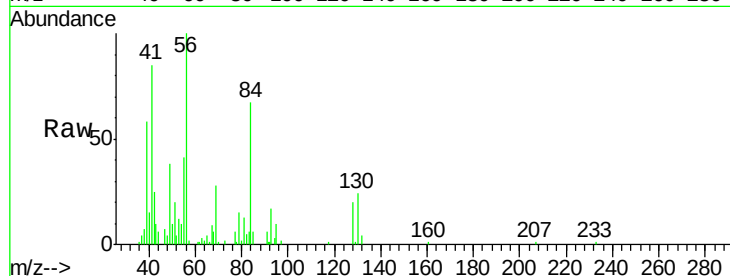
Tot Ion: 56 Resp: 51722

Ion Ratio Lower Upper

56 100

69 28.0 27.6 41.4

84 66.6 71.4 107.2#



#32

1,1,1-Trichloroethane

Concen: 29.987 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

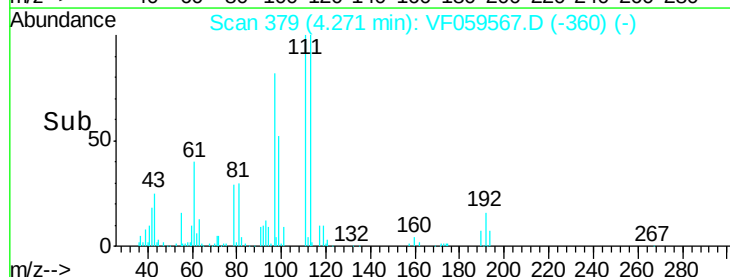
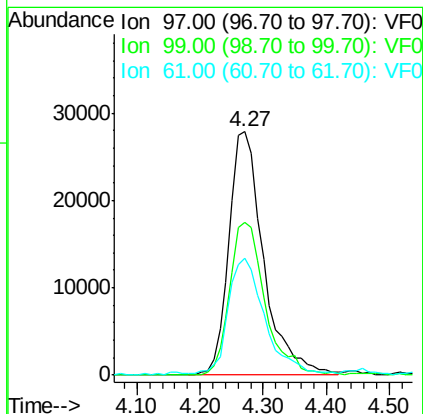
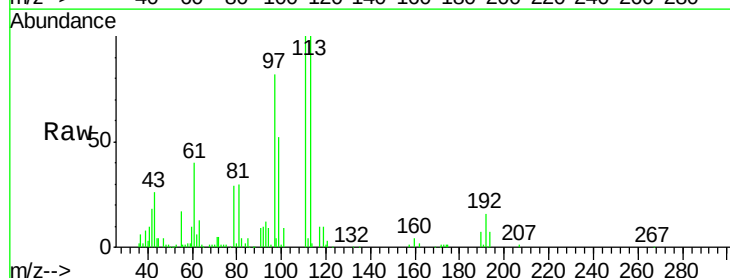
Tgt Ion: 97 Resp: 105954

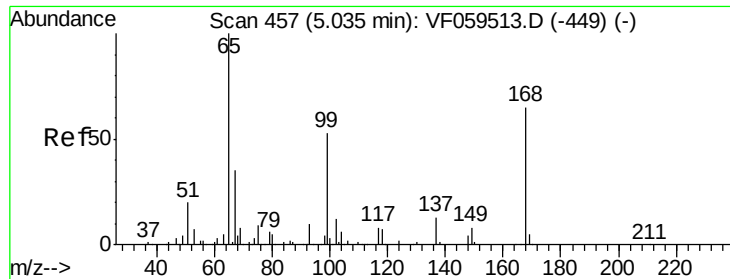
Ion Ratio Lower Upper

97 100

99 63.0 53.5 80.3

61 48.1 39.7 59.5

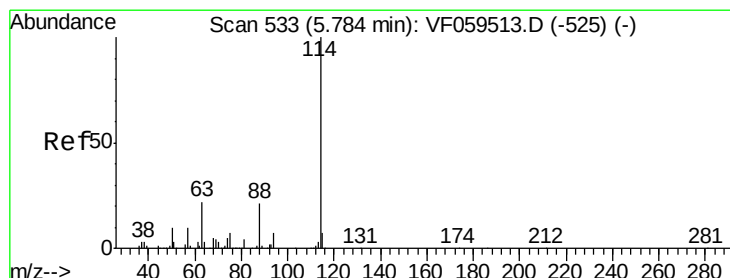
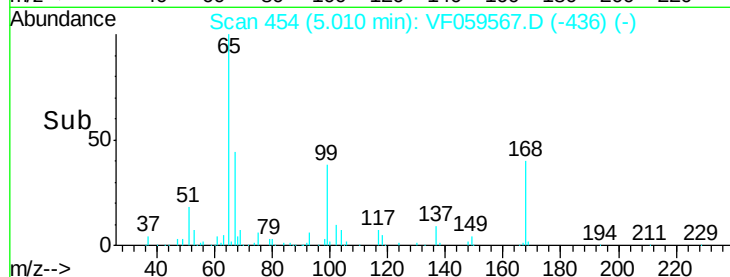
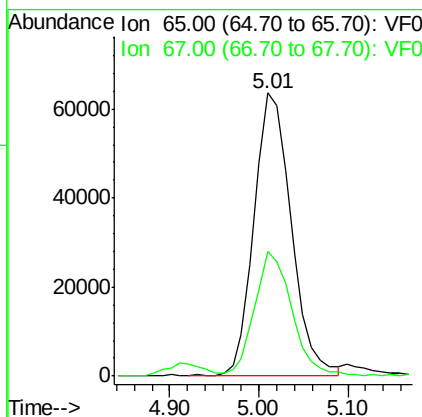
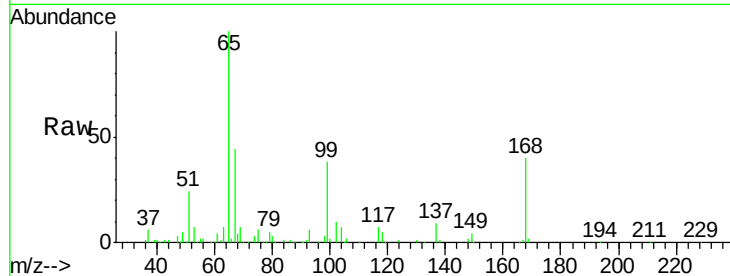




#33
 1,2-Dichloroethane-d4
 Concen: 51.122 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: VF059567.D
 Acq: 19 Jul 2018 20:57

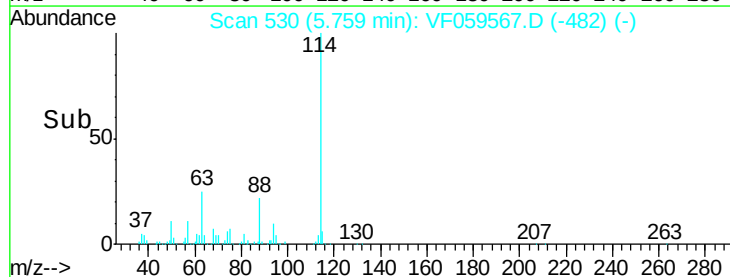
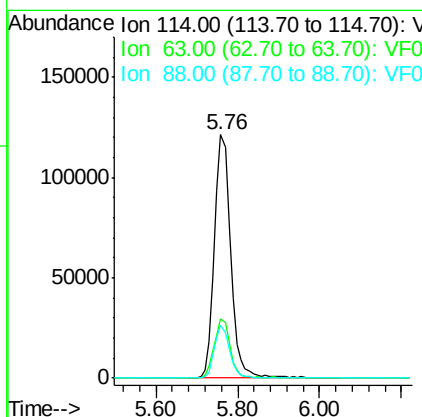
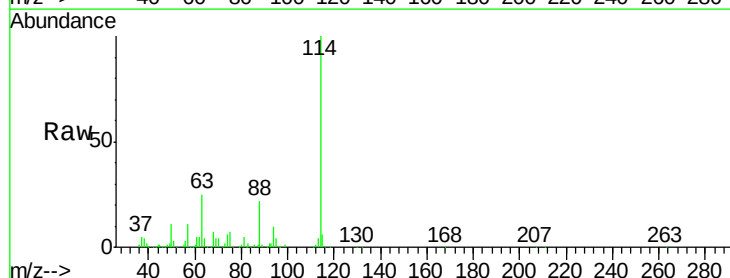
Instrument :
 MSVOA_F
 ClientSampleId :

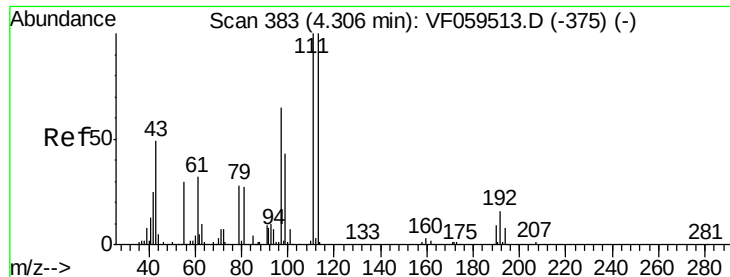
Tot Ion: 65 Resp: 184790
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 91.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF059567.D
 Acq: 19 Jul 2018 20:57

Tgt Ion: 114 Resp: 335680
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 44.8
 88 21.5 0.0 42.6





#35

Dibromofluoromethane

Concen: 52.231 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

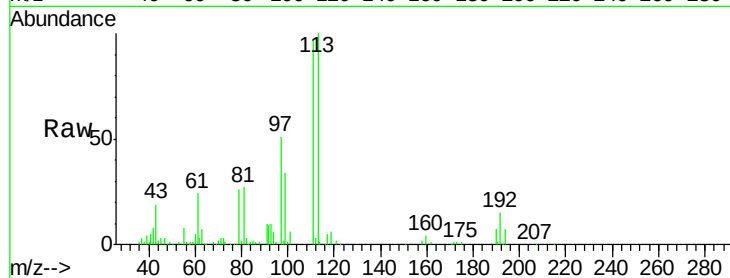
Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:113 Resp: 151849

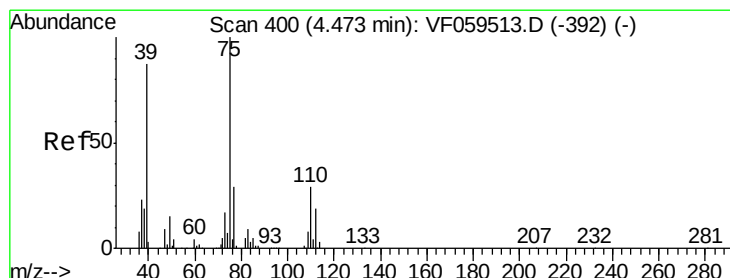
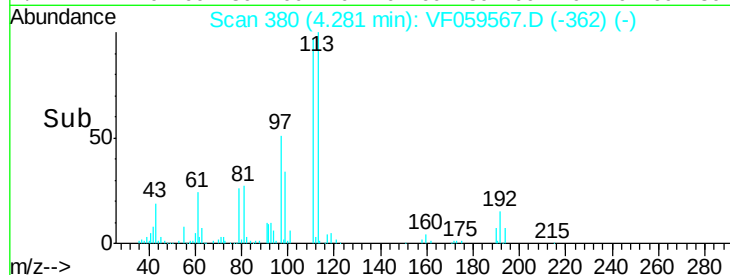
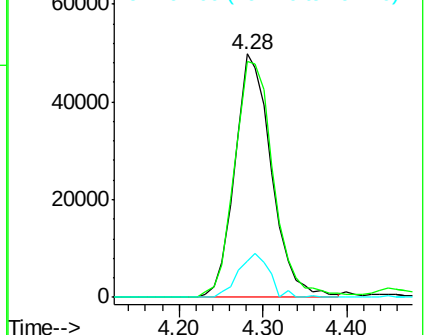
Ion	Ratio	Lower	Upper
113	100		
111	96.8	80.3	120.5
192	15.1	13.1	19.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 22.566 ug/l

RT: 4.46 min Scan# 398

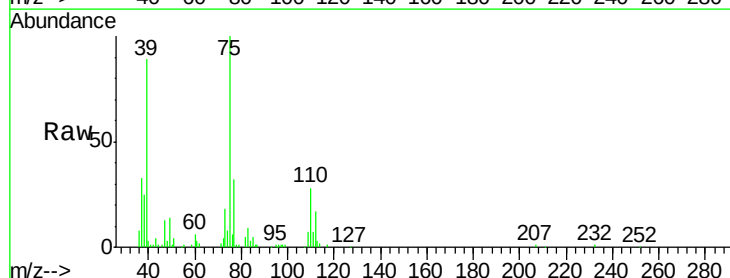
Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Tgt Ion: 75 Resp: 75819

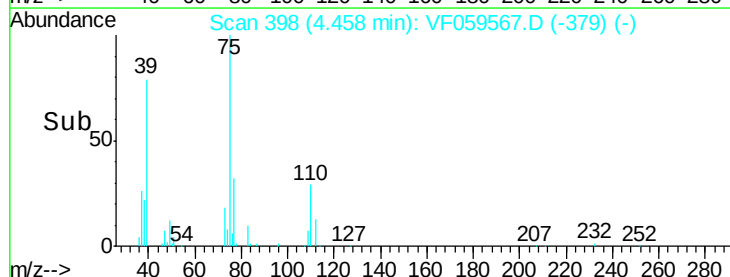
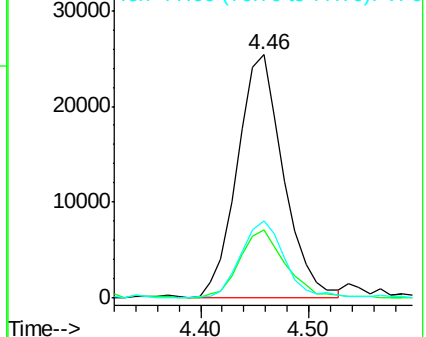
Ion	Ratio	Lower	Upper
75	100		
110	28.2	14.6	43.8
77	31.9	23.7	35.5

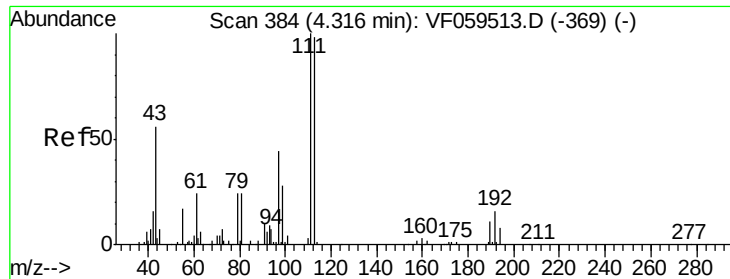


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

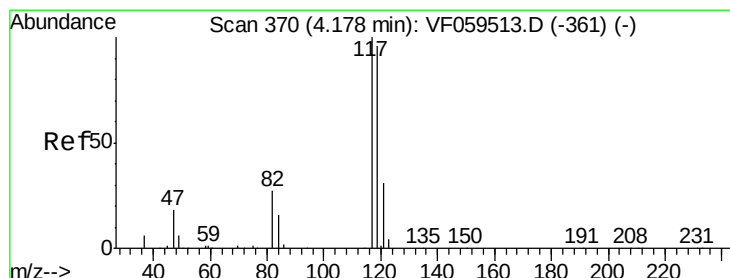
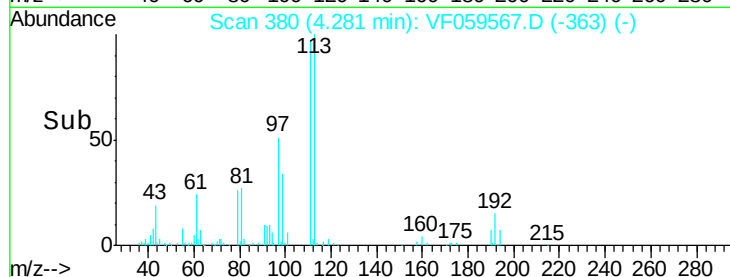
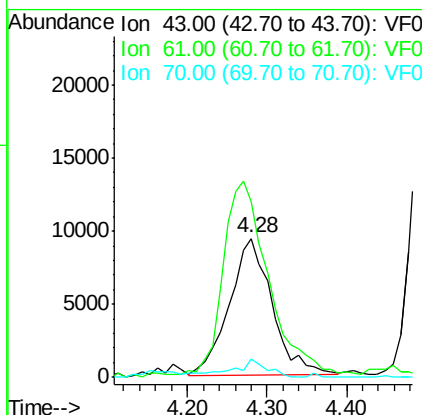
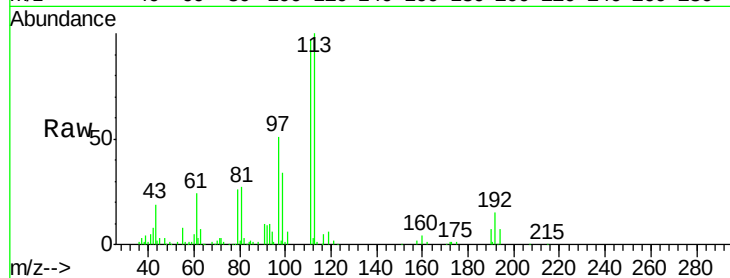




#37
Ethyl Acetate
Concen: 15.289 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.03 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

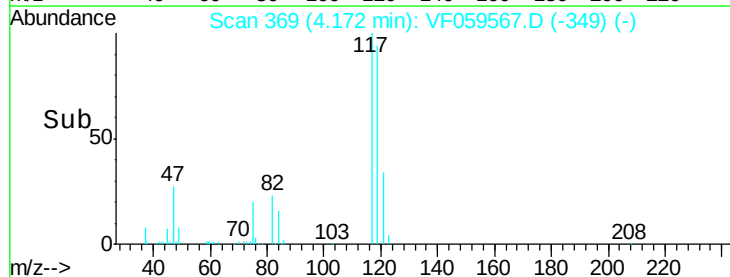
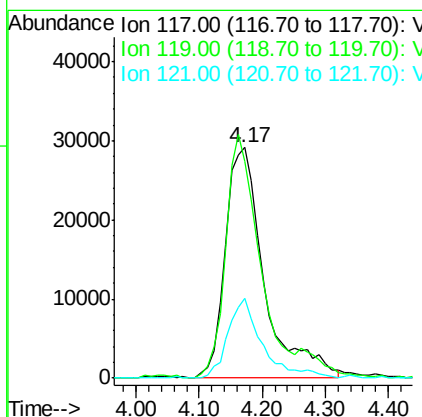
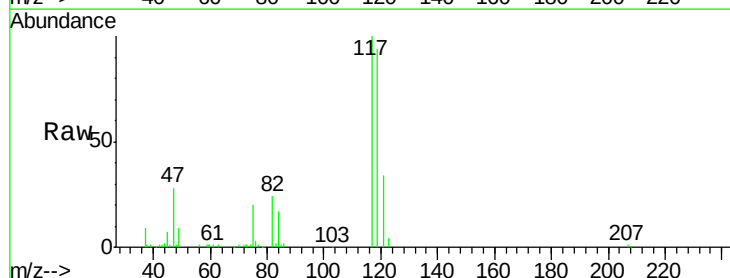
Instrument :
MSVOA_F
ClientSampled :

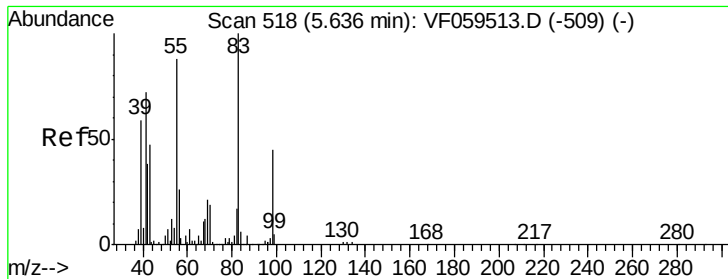
Tot Ion: 43 Resp: 34879
Ion Ratio Lower Upper
43 100
61 126.5 33.7 50.5#
70 13.0 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 32.036 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

Tgt Ion: 117 Resp: 123352
Ion Ratio Lower Upper
117 100
119 93.8 77.6 116.4
121 34.4 24.9 37.3

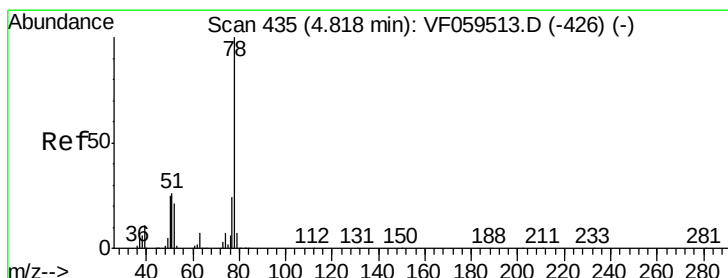
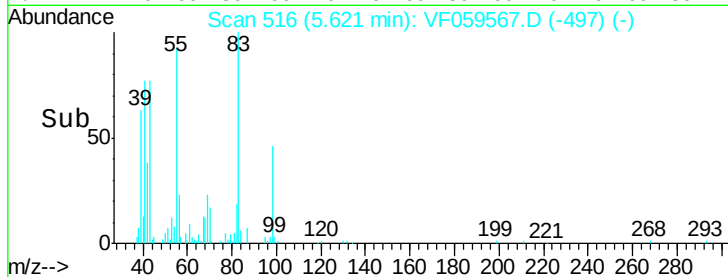
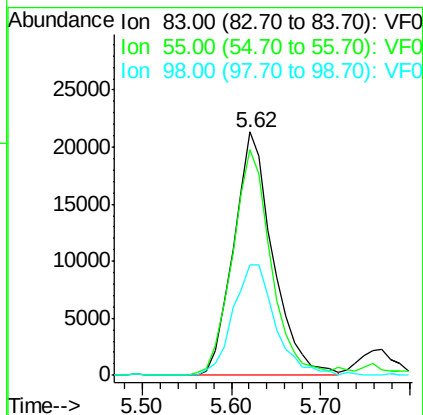
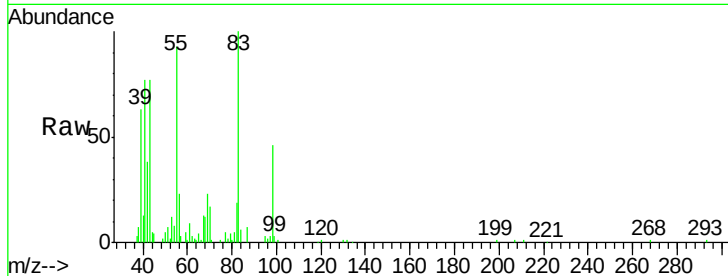




#39
Methylvlcyclohexane
Concen: 25.540 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

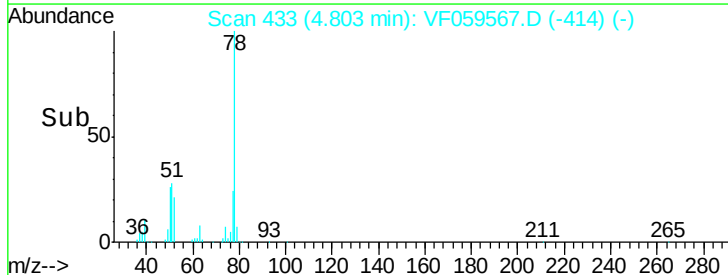
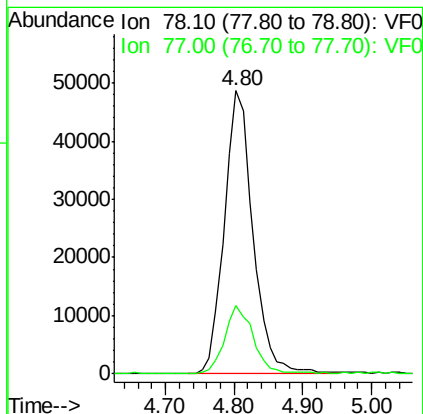
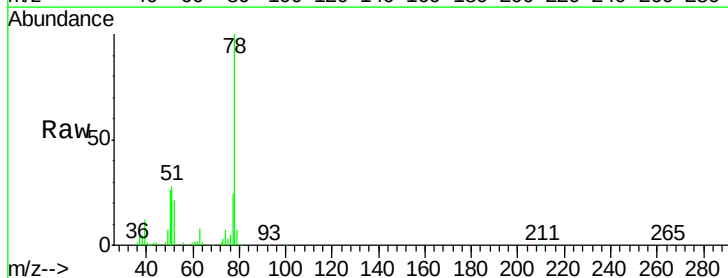
Instrument :
MSVOA_F
ClientSampleId :

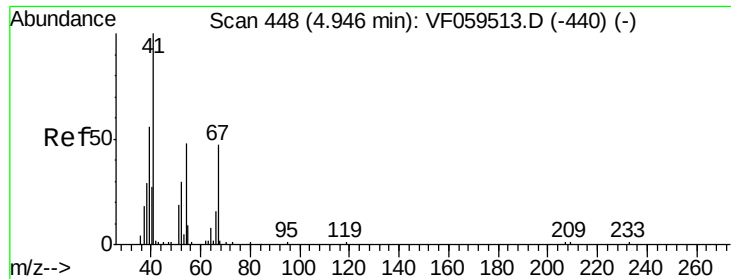
Tot Ion: 83 Resp: 65124
Ion Ratio Lower Upper
83 100
55 92.8 70.2 105.4
98 45.5 36.2 54.2



#40
Benzene
Concen: 21.563 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

Tgt Ion: 78 Resp: 140554
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0

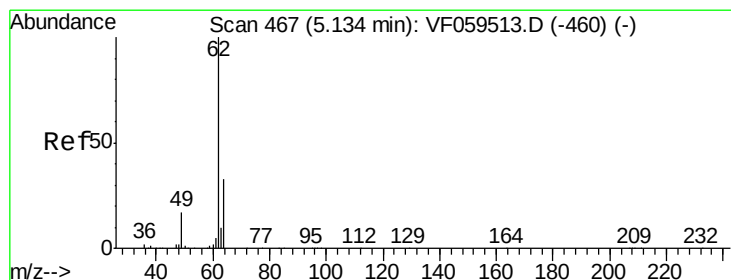
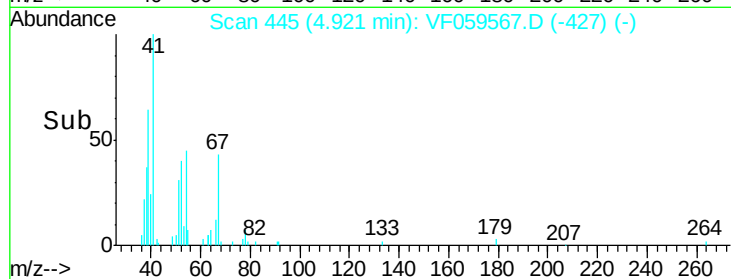
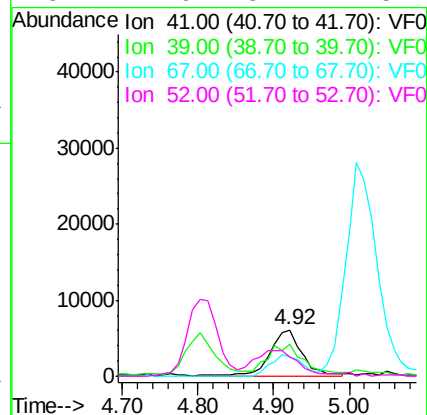
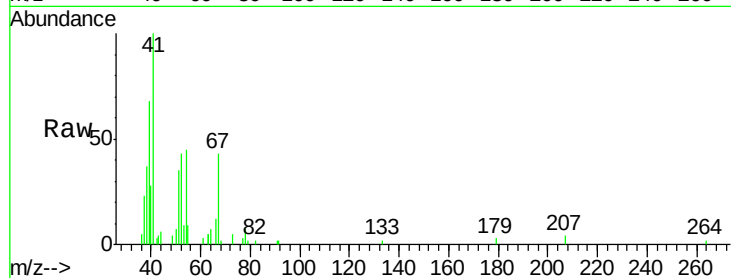




#41
Methacrylonitrile
Concen: 18.730 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.03 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

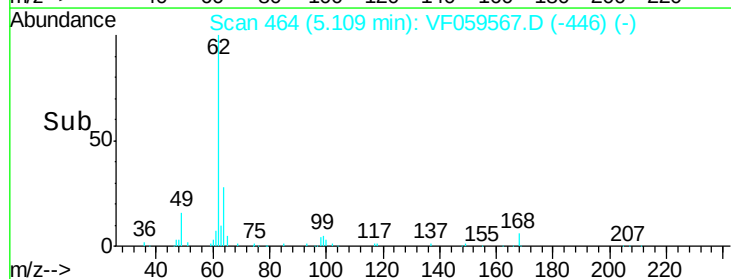
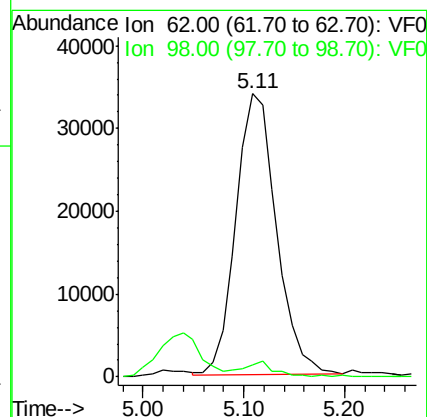
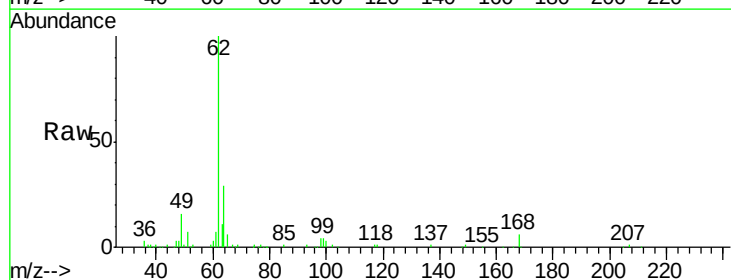
Instrument :
MSVOA_F
ClientSampleId :

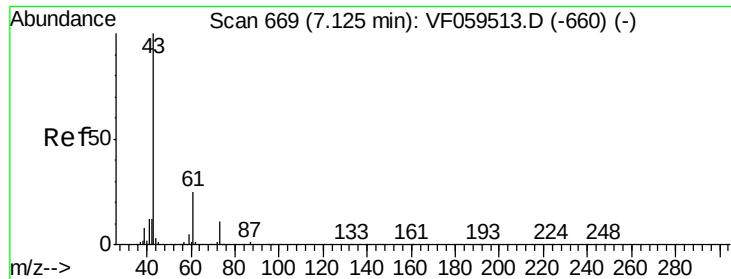
Tot Ion:	41	Resp:	18047
Ion	Ratio	Lower	Upper
41	100		
39	68.4	49.4	74.0
67	42.9	37.4	56.2
52	42.9	32.1	48.1



#42
1,2-Dichloroethane
Concen: 22.167 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.03 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

Tgt Ion:	62	Resp:	94911
Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	9.6





#43

Isopropyl Acetate

Concen: 17.029 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.02 min

Lab File: VF059567.D

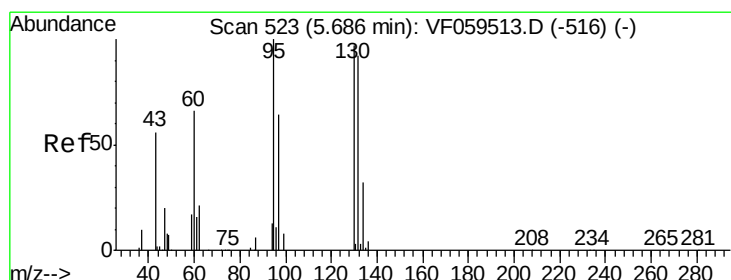
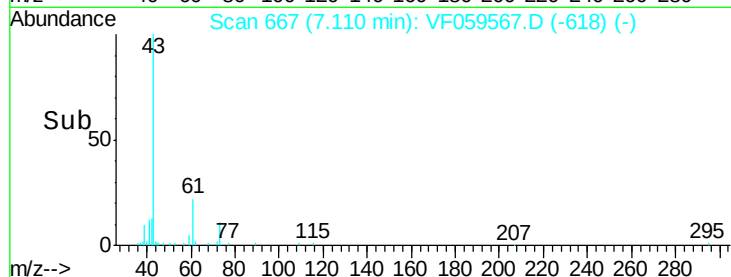
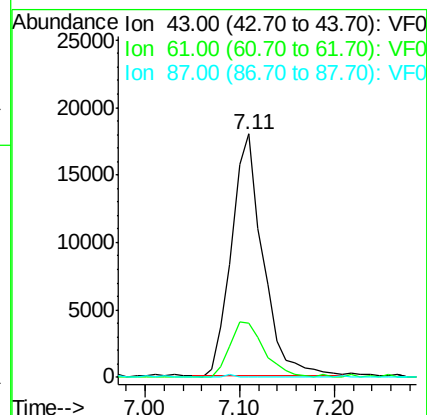
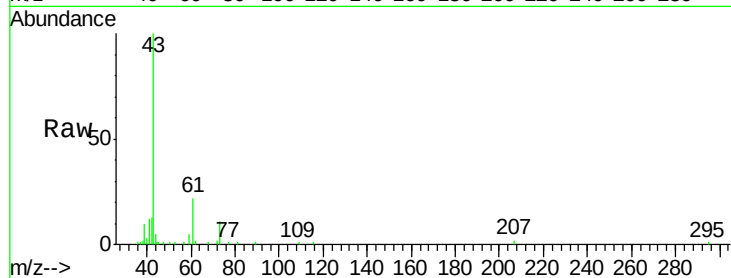
Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	43	Resp:	41115
Ion	Ratio	Lower	Upper
43	100		
61	22.1	20.3	30.5
87	0.0	0.4	0.6



#44

Trichloroethene

Concen: 22.690 ug/l

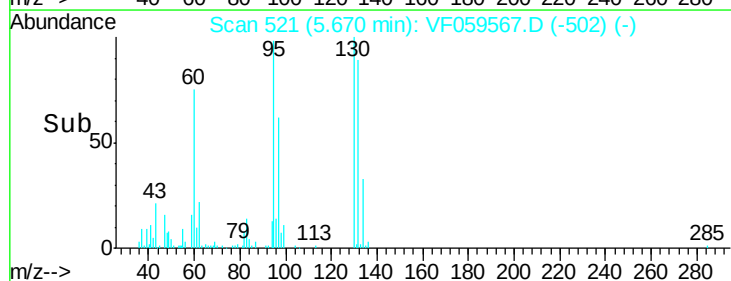
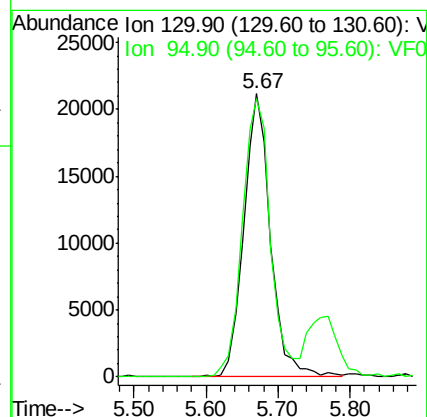
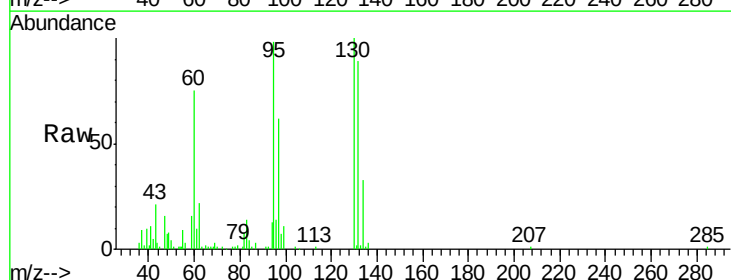
RT: 5.67 min Scan# 521

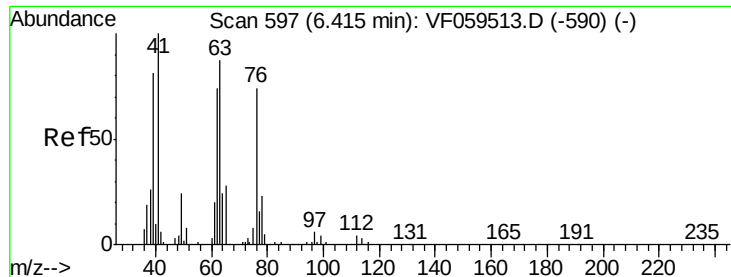
Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Tgt Ion:	130	Resp:	54746
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	206.6





#45

1,2-Dichloropropane

Concen: 21.377 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

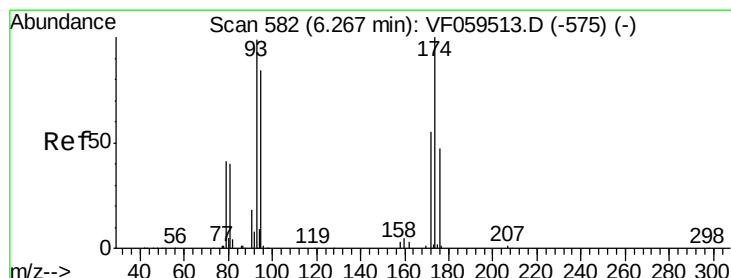
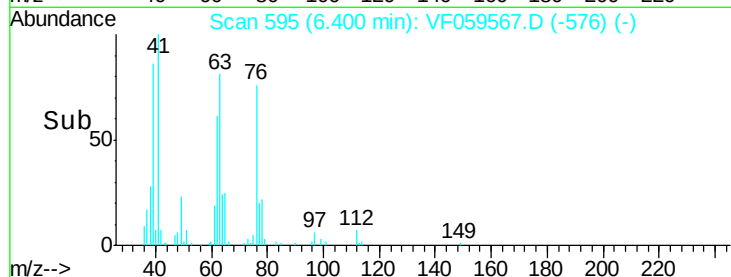
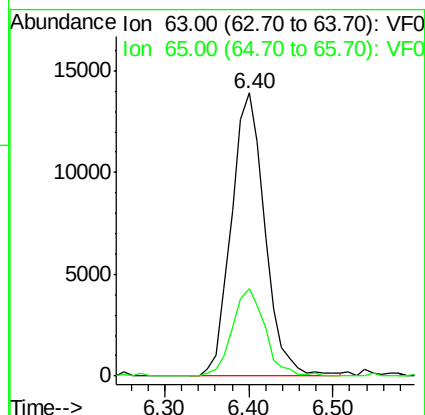
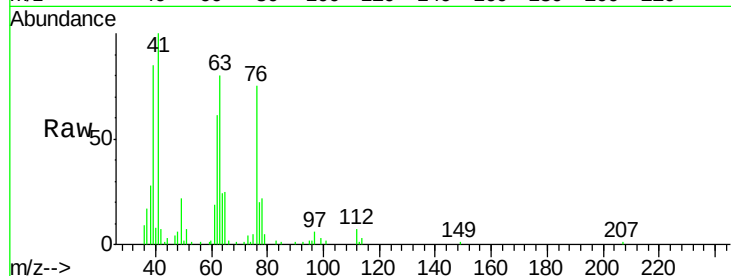
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 38676

Ion Ratio Lower Upper

63 100

65 30.7 26.1 39.1



#46

Dibromomethane

Concen: 21.394 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.03 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

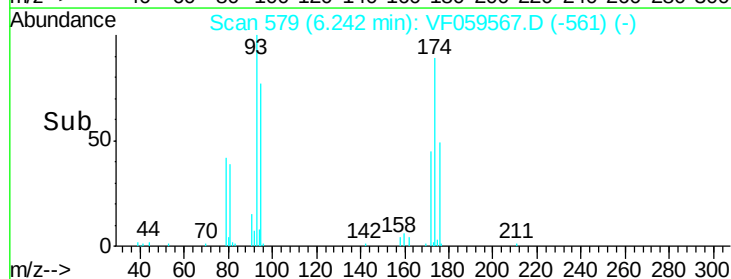
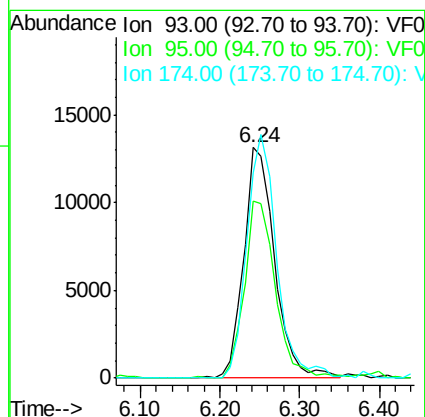
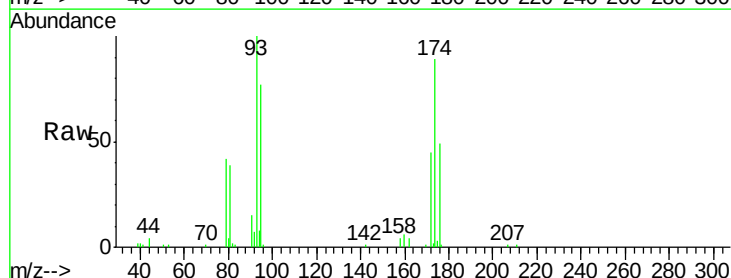
Tgt Ion: 93 Resp: 35250

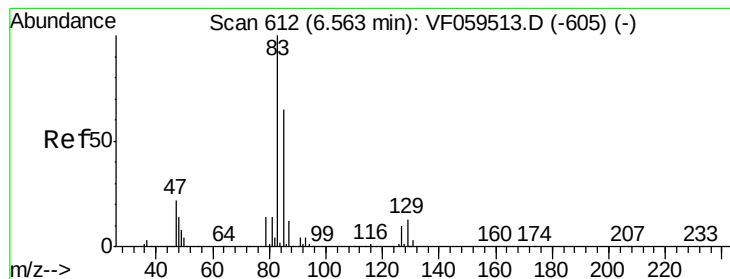
Ion Ratio Lower Upper

93 100

95 76.9 68.3 102.5

174 88.8 81.2 121.8





#47

Bromodichloromethane

Concen: 21.778 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :
MSVOA_F
ClientSampleId :

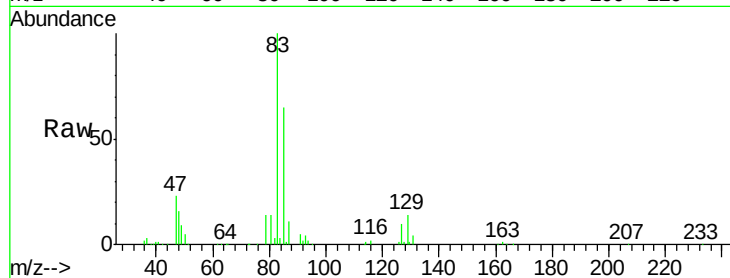
Tot Ion: 83 Resp: 92364

Ion Ratio Lower Upper

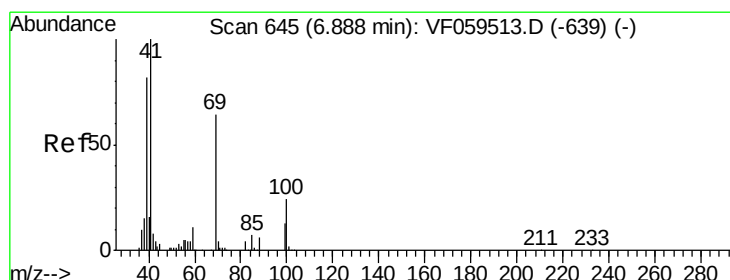
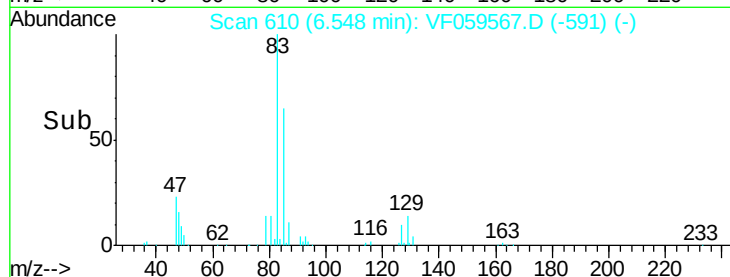
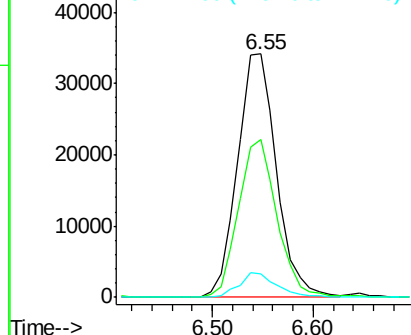
83 100

85 65.1 52.4 78.6

127 9.7 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 17.764 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

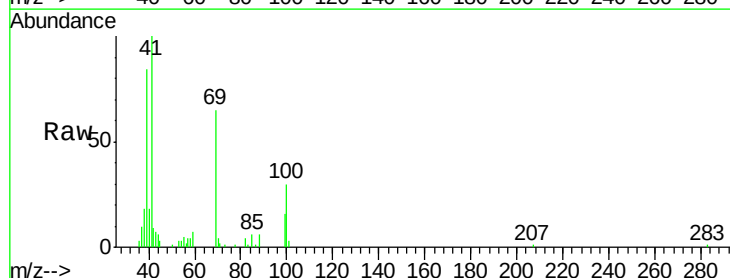
Tgt Ion: 41 Resp: 30631

Ion Ratio Lower Upper

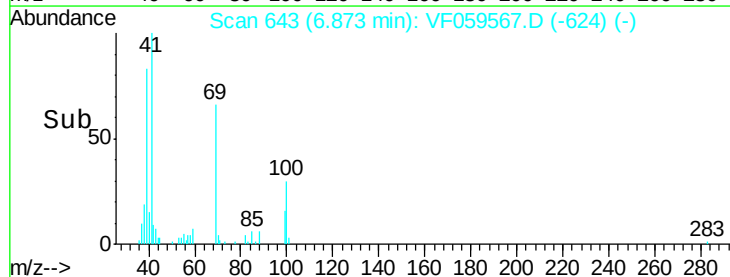
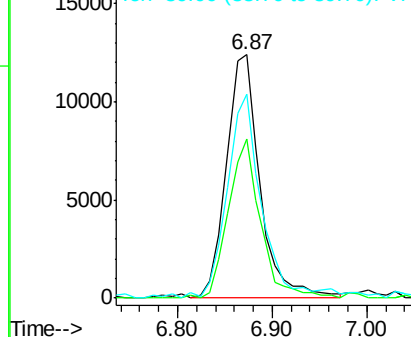
41 100

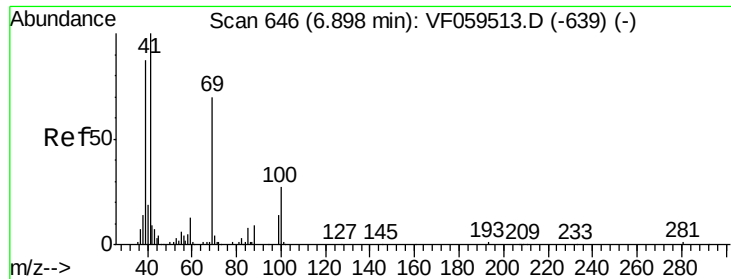
69 65.3 51.3 76.9

39 83.9 65.3 97.9



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 448.328 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.03 min

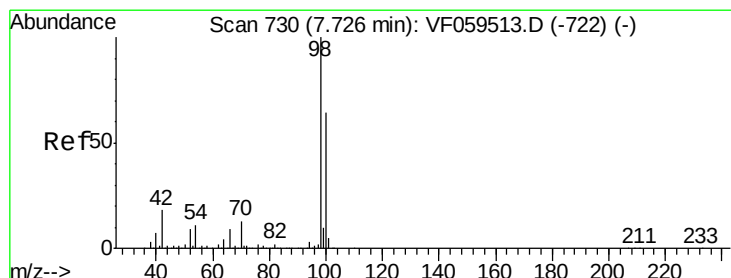
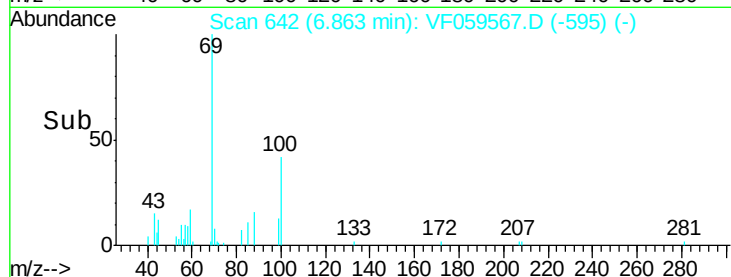
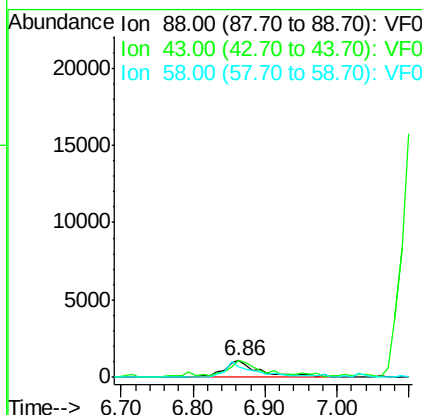
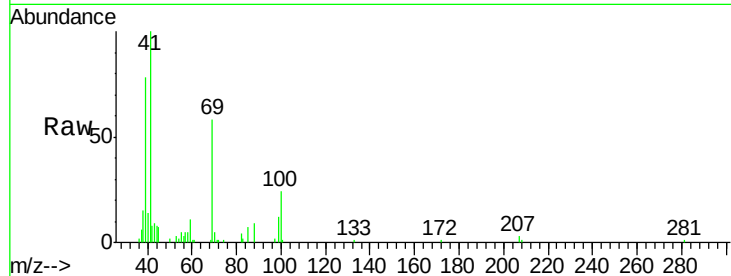
Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 3796

Ion	Ratio	Lower	Upper
88	100		
43	102.9	64.8	97.2#
58	60.0	44.1	66.1



#50

Toluene-d8

Concen: 48.233 ug/l

RT: 7.70 min Scan# 727

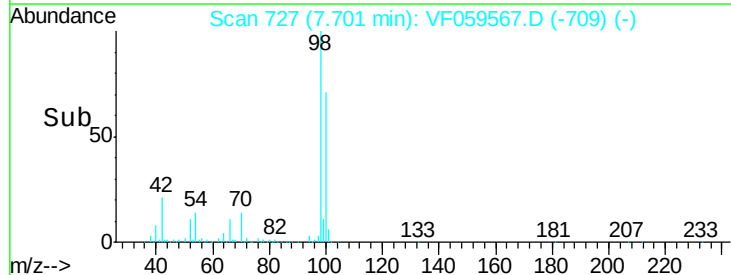
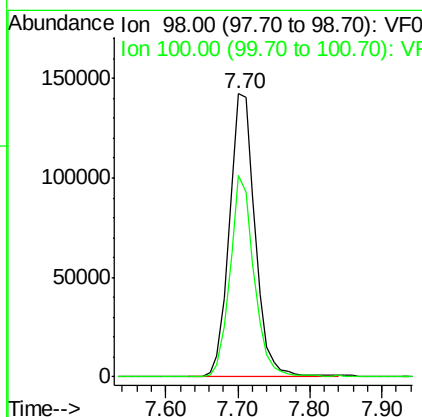
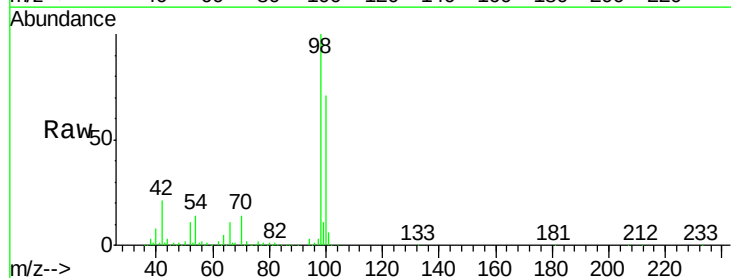
Delta R.T. -0.03 min

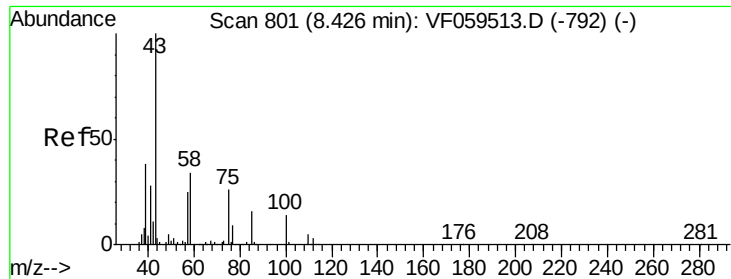
Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Tgt Ion: 98 Resp: 353217

Ion	Ratio	Lower	Upper
98	100		
100	71.3	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 92.777 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

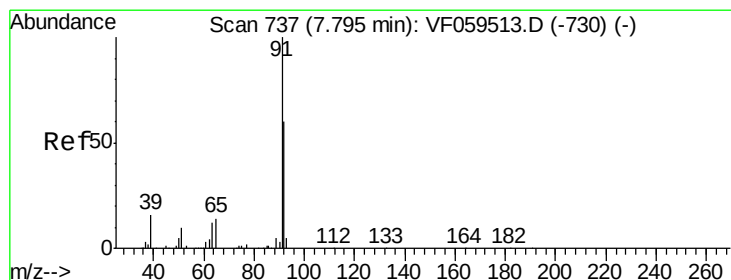
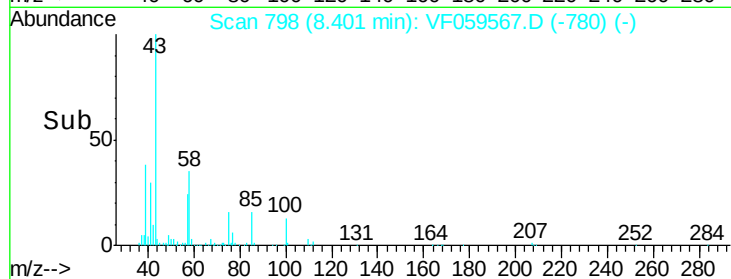
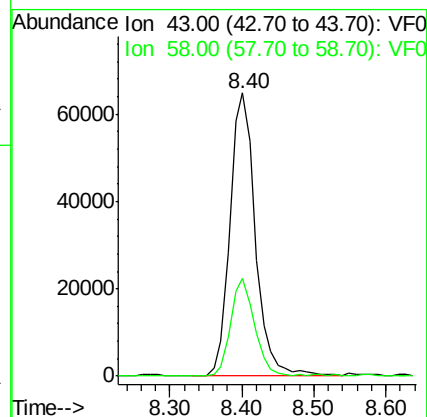
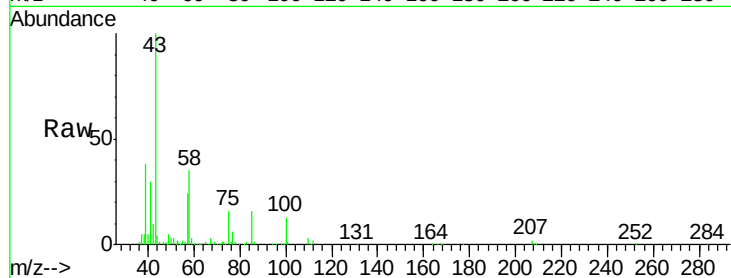
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 158780

Ion Ratio Lower Upper

43 100

58 34.7 27.4 41.2



#52

Toluene

Concen: 22.816 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059567.D

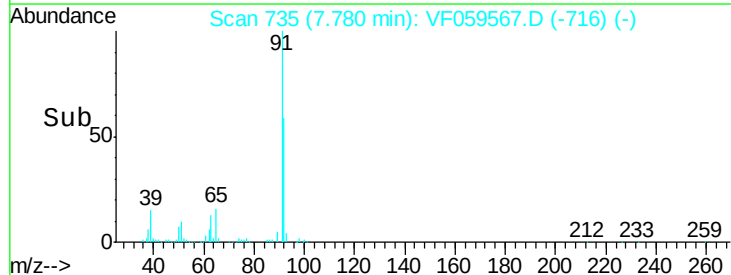
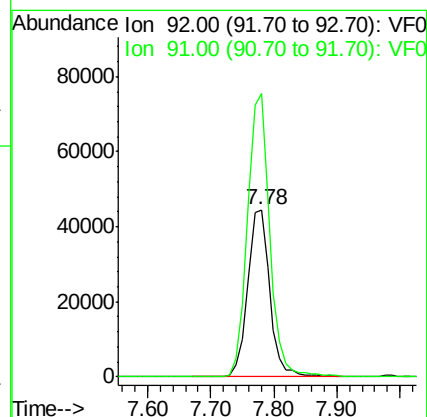
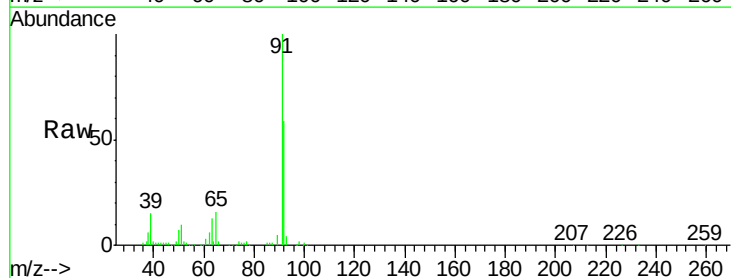
Acq: 19 Jul 2018 20:57

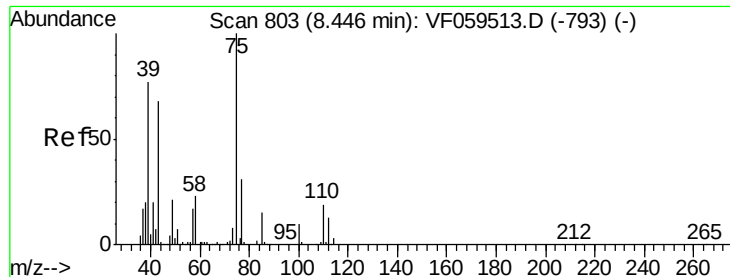
Tgt Ion: 92 Resp: 107860

Ion Ratio Lower Upper

92 100

91 169.4 134.2 201.4





#53

t-1,3-Dichloropropene

Concen: 21.079 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.03 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

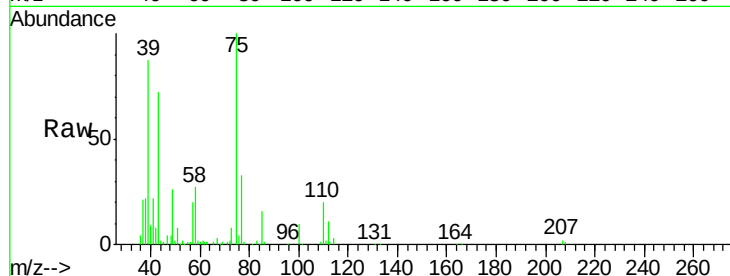
ClientSampleId :

Tot Ion: 75 Resp: 82233

Ion Ratio Lower Upper

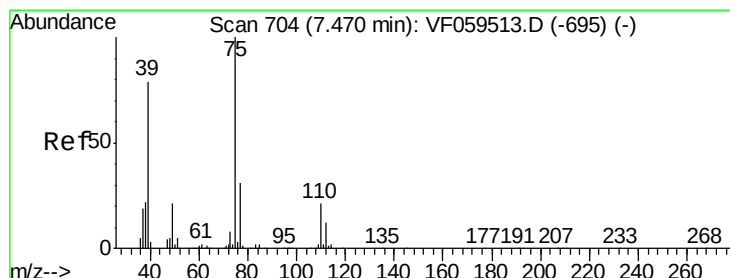
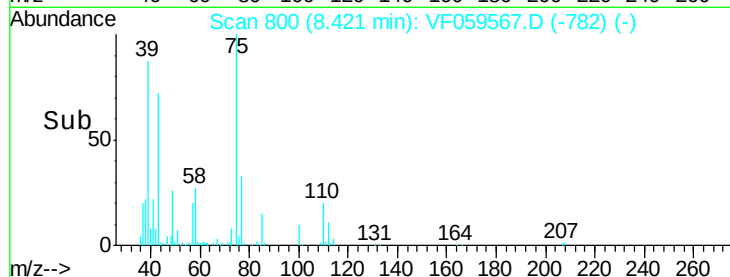
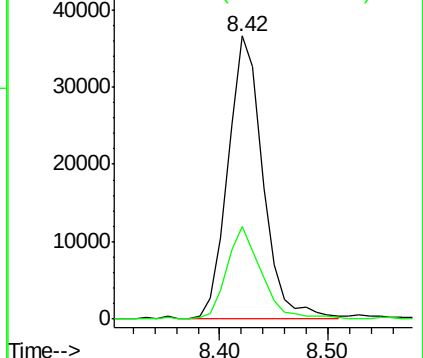
75 100

77 32.6 25.3 37.9



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: 21.278 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

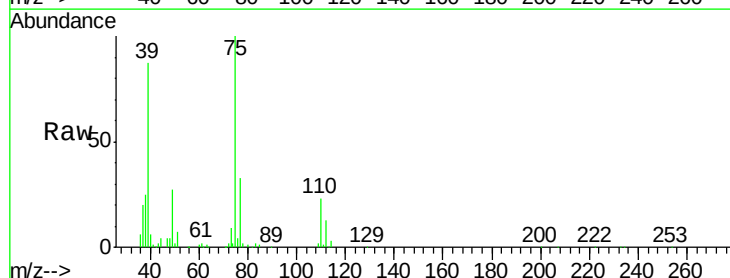
Tgt Ion: 75 Resp: 82654

Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.6

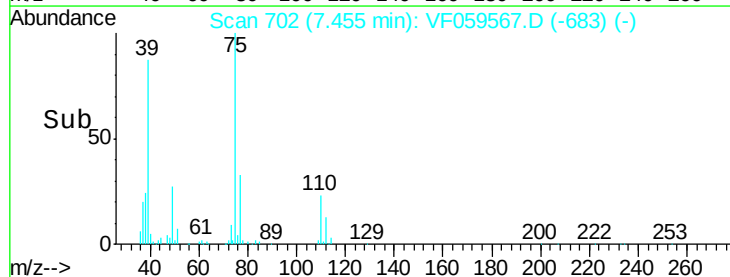
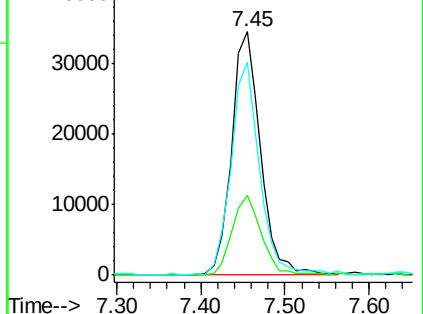
39 87.5 63.8 95.6

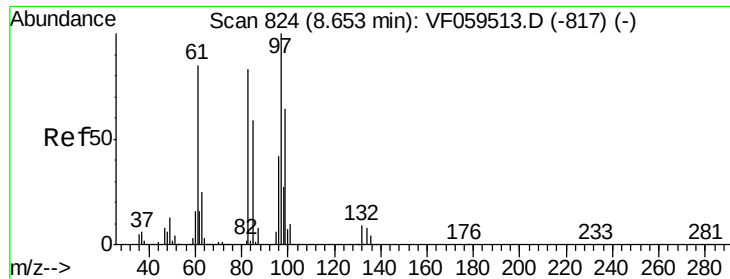


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.093 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 38636

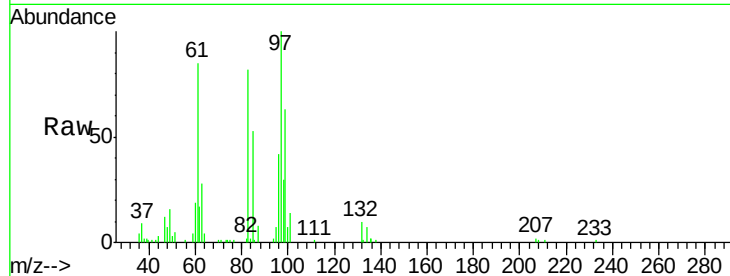
Ion	Ratio	Lower	Upper
97	100		
83	82.4	66.9	100.3
85	53.0	46.9	70.3
99	62.6	51.5	77.3

97 100

83 82.4 66.9 100.3

85 53.0 46.9 70.3

99 62.6 51.5 77.3



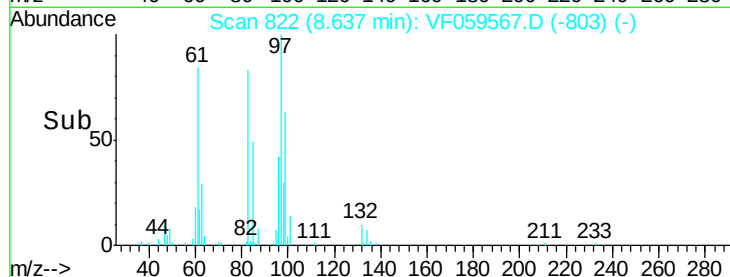
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

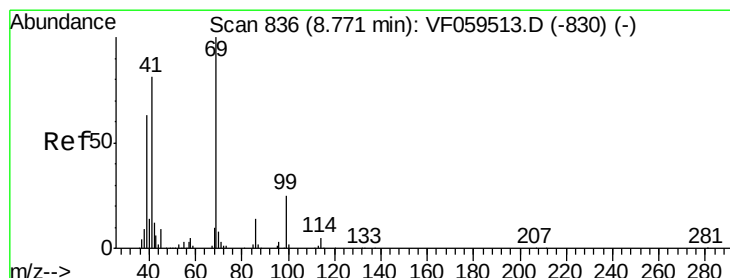
Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 18.460 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

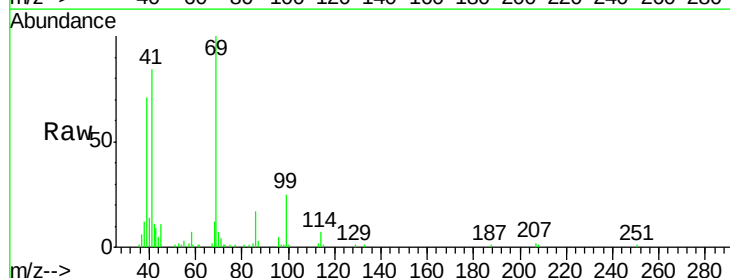
Tgt Ion: 69 Resp: 41933

Ion	Ratio	Lower	Upper
69	100		
41	83.8	65.4	98.2
39	70.6	51.0	76.4

69 100

41 83.8 65.4 98.2

39 70.6 51.0 76.4

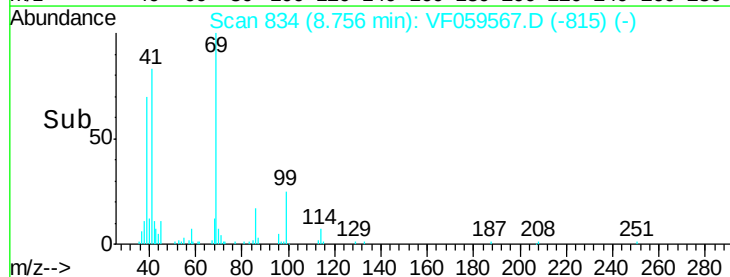


Abundance Ion 69.00 (68.70 to 69.70): VF0

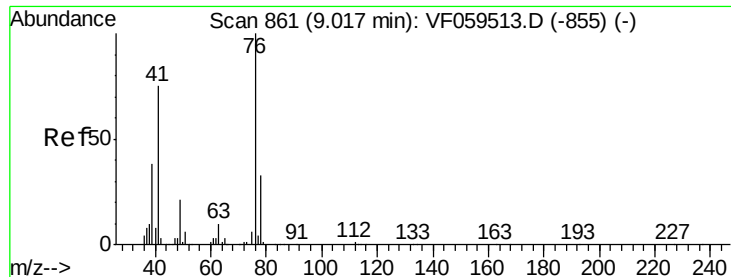
Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->



Time-->



#57

1,3-Dichloropropane

Concen: 21.386 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.03 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

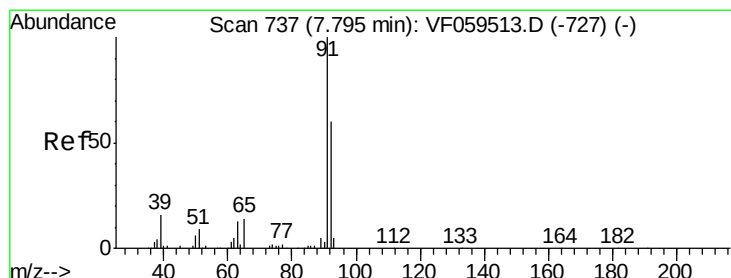
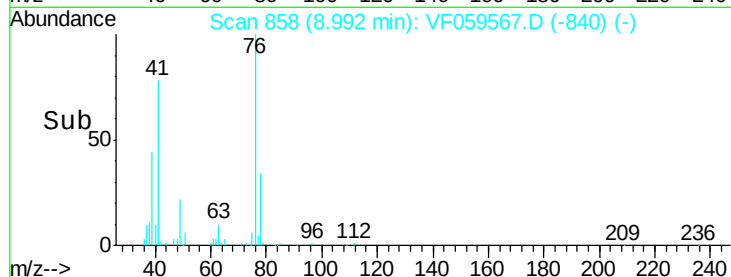
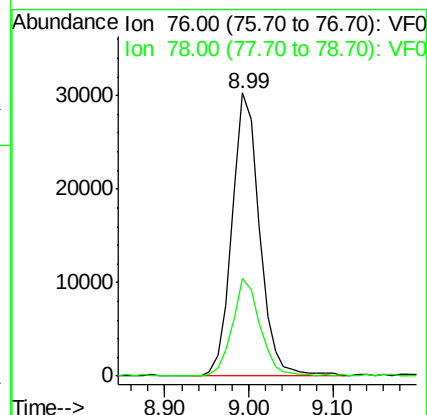
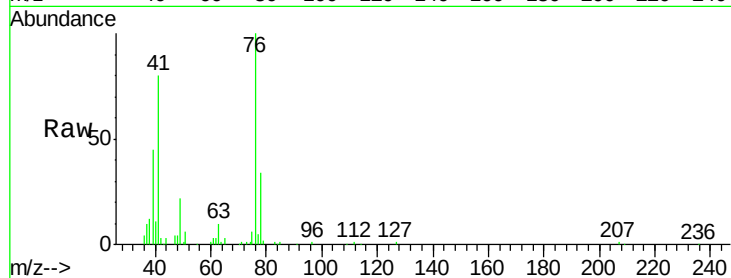
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 69268

Ion Ratio Lower Upper

76 100

78 34.4 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 124.271 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059567.D

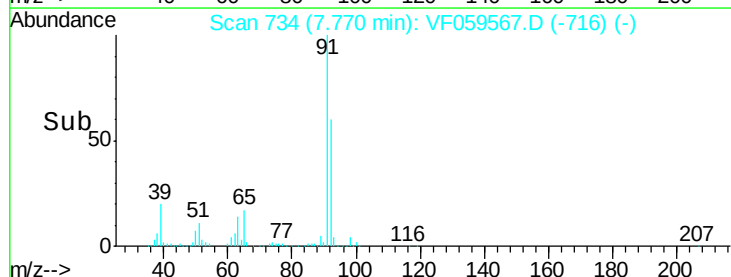
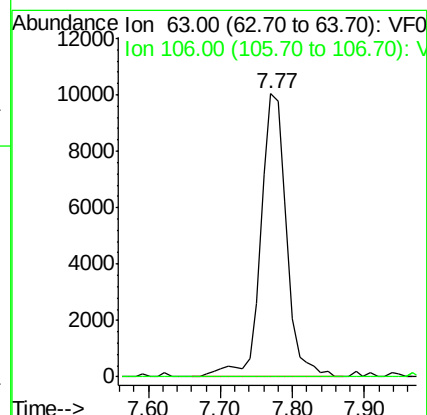
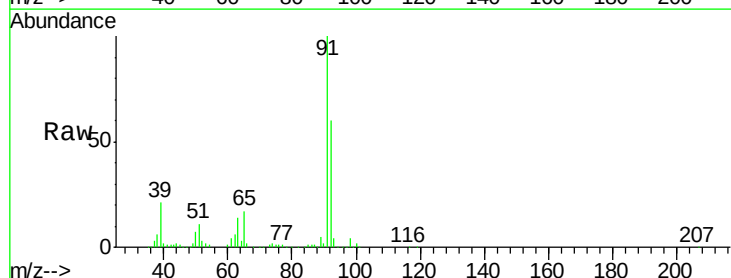
Acq: 19 Jul 2018 20:57

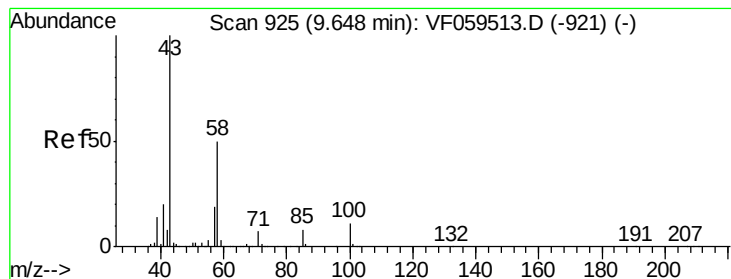
Tgt Ion: 63 Resp: 24922

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 97.229 ug/l

RT: 9.62 min Scan# 922

Delta R.T. -0.03 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

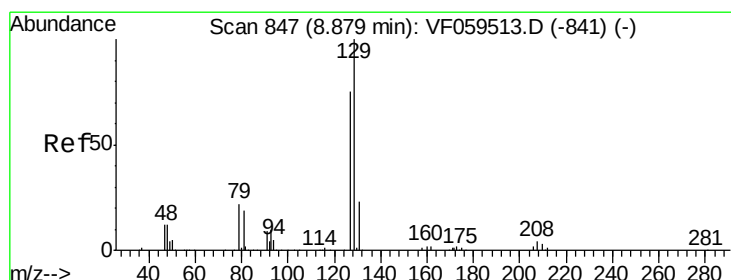
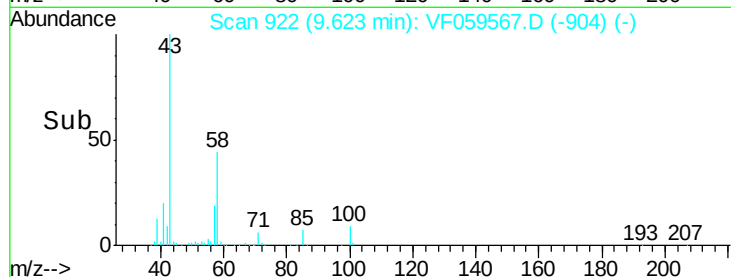
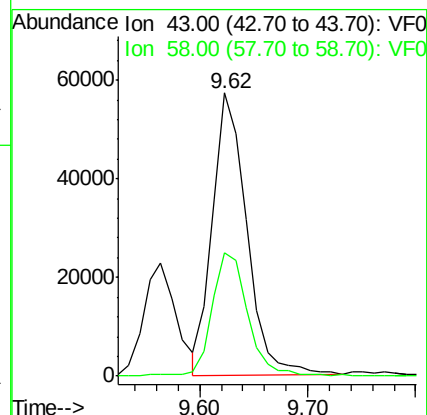
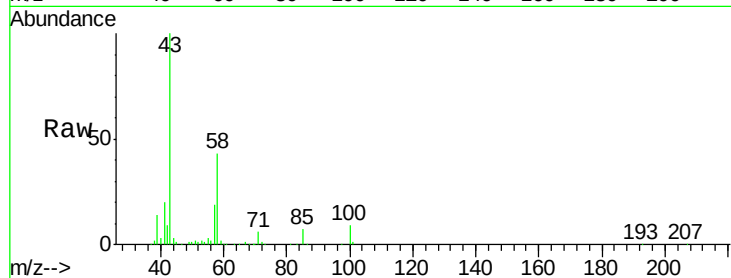
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 125758

Ion Ratio Lower Upper

43 100

58 43.4 23.3 69.9



#60

Dibromochloromethane

Concen: 21.315 ug/l

RT: 8.86 min Scan# 845

Delta R.T. -0.02 min

Lab File: VF059567.D

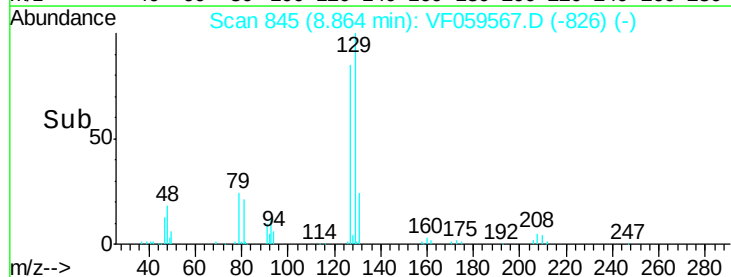
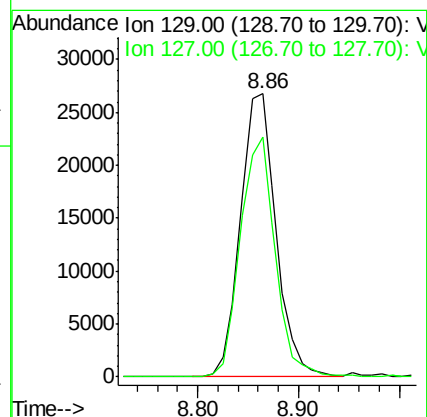
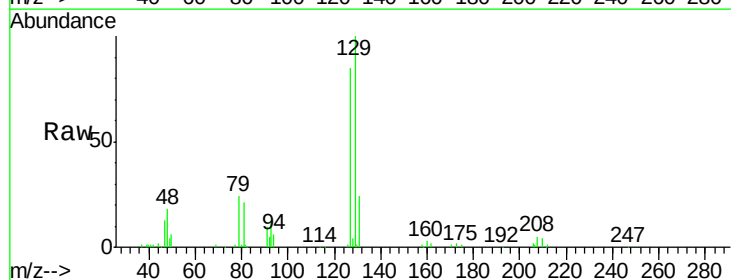
Acq: 19 Jul 2018 20:57

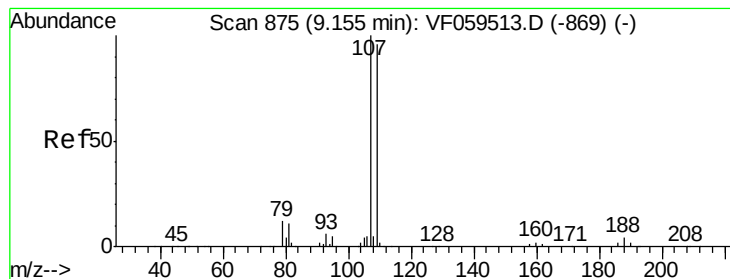
Tgt Ion: 129 Resp: 65797

Ion Ratio Lower Upper

129 100

127 84.9 37.6 112.8





#61

1,2-Dibromoethane

Concen: 21.262 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

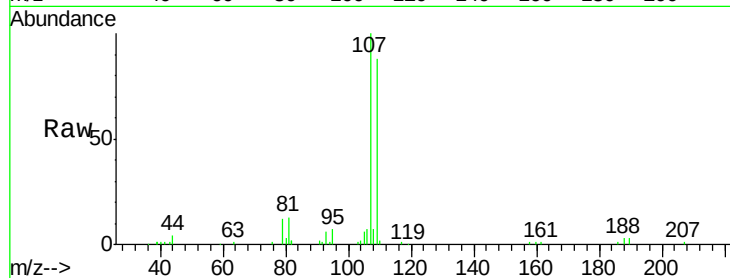
ClientSampleId :

Tot Ion:107 Resp: 48323

Ion Ratio Lower Upper

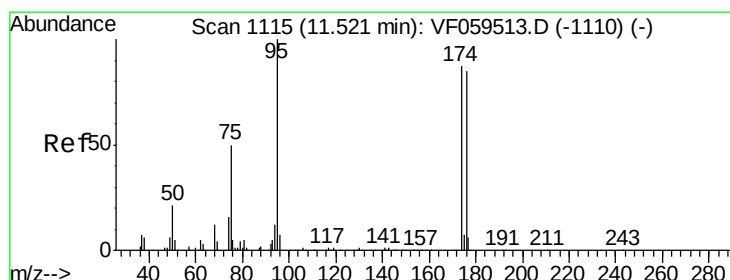
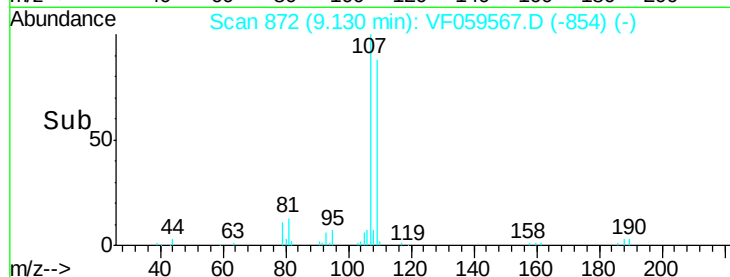
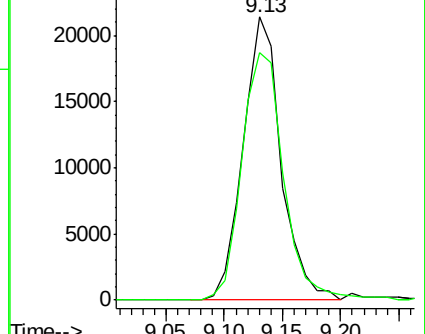
107 100

109 87.6 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.389 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

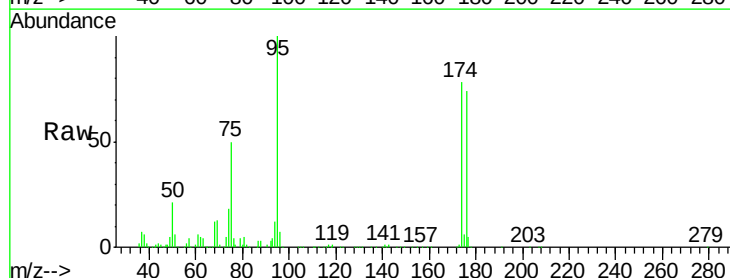
Tgt Ion: 95 Resp: 205107

Ion Ratio Lower Upper

95 100

174 77.5 0.0 174.4

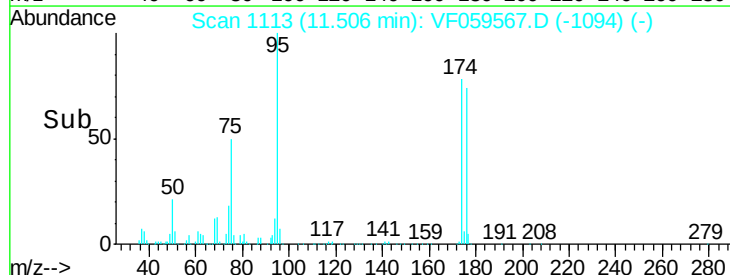
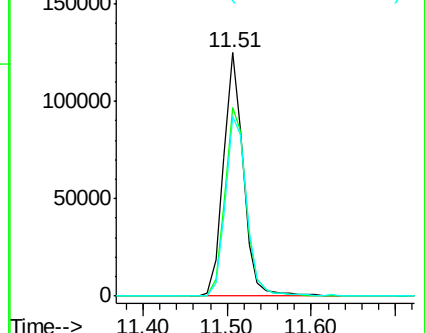
176 73.7 0.0 169.4

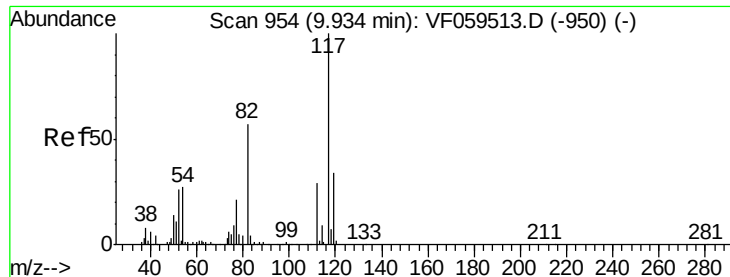


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

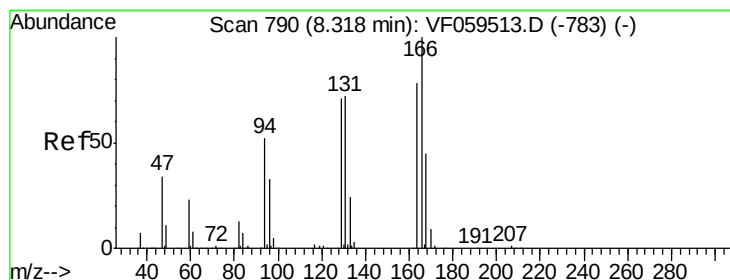
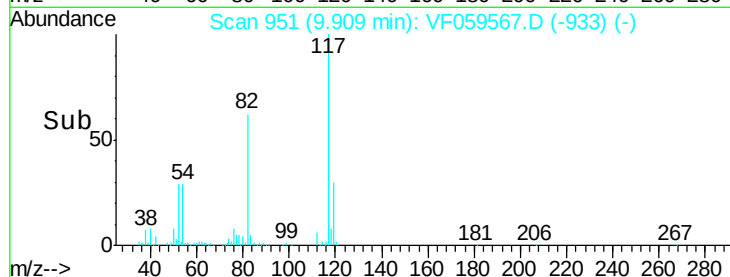
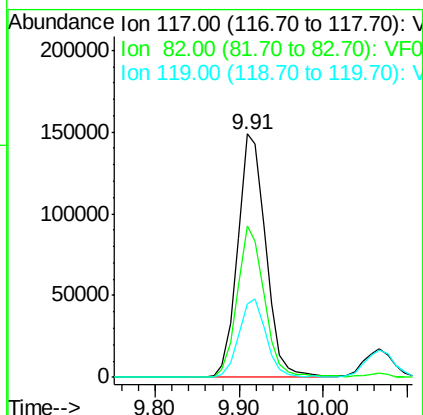
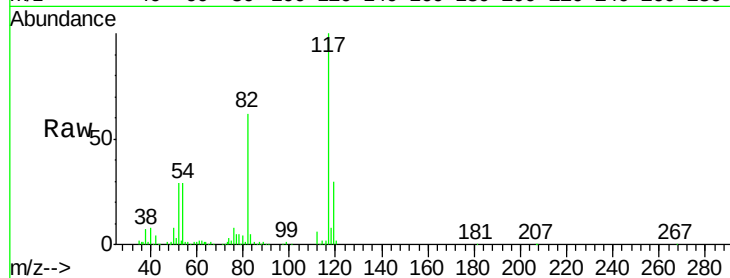




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

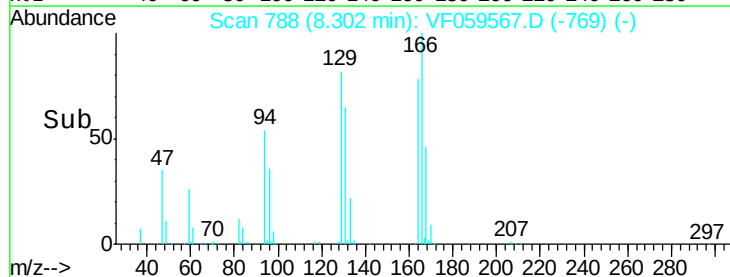
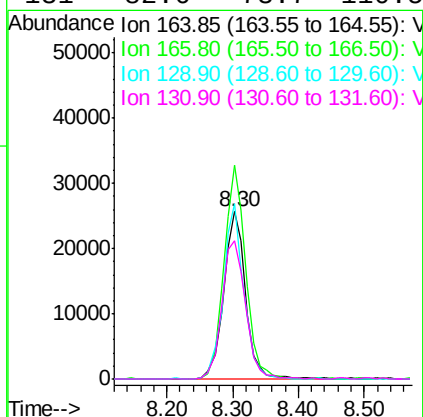
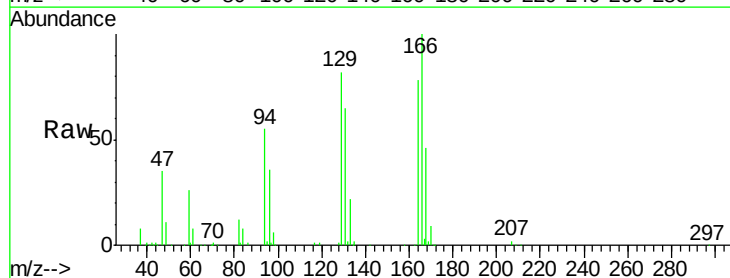
Instrument :
MSVOA_F
ClientSampleId :

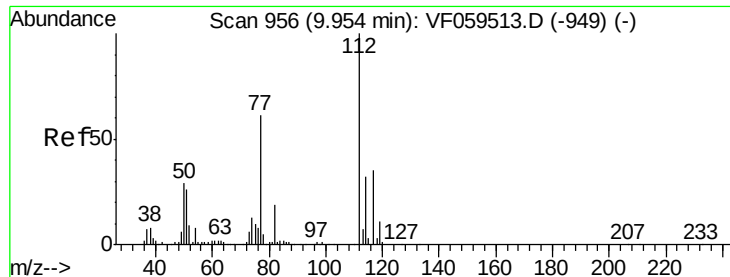
Tot Ion:117 Resp: 345505
Ion Ratio Lower Upper
117 100
82 62.2 46.1 69.1
119 29.9 27.2 40.8



#64
Tetrachloroethene
Concen: 23.037 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

Tgt Ion:164 Resp: 59271
Ion Ratio Lower Upper
164 100
166 127.6 102.3 153.5
129 104.5 72.4 108.6
131 82.6 73.7 110.5

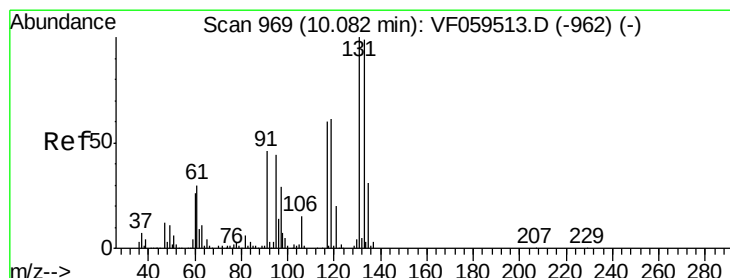
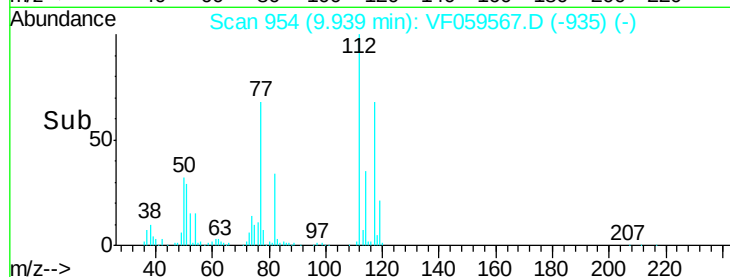
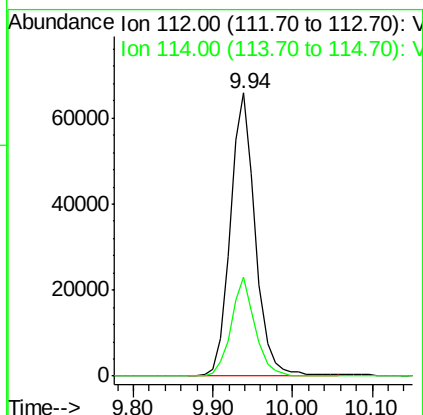
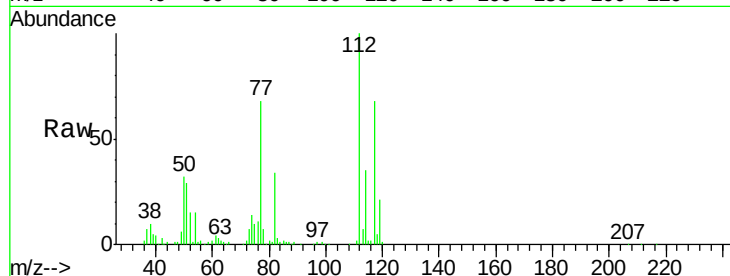




#65
Chlorobenzene
Concen: 22.278 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

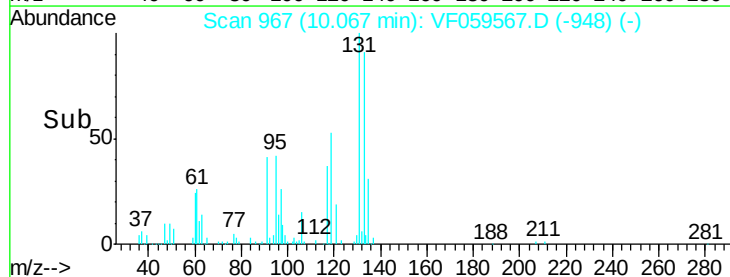
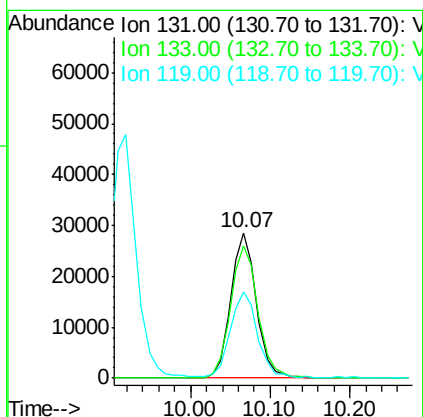
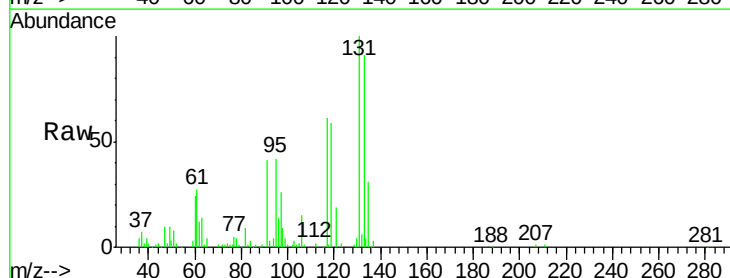
Instrument :
MSVOA_F
ClientSampleId :

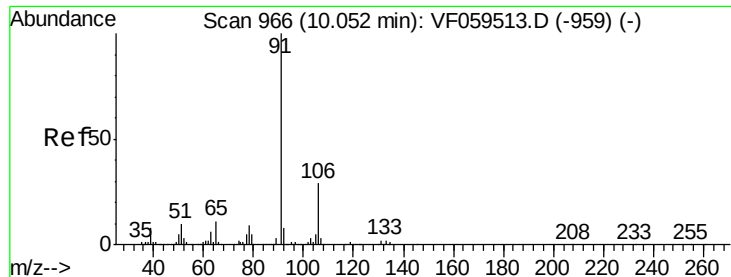
Tot Ion:112 Resp: 144356
Ion Ratio Lower Upper
112 100
114 35.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.717 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

Tgt Ion:131 Resp: 64095
Ion Ratio Lower Upper
131 100
133 91.1 49.6 148.8
119 59.1 31.4 94.3





#67

Ethyl Benzene

Concen: 22.942 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

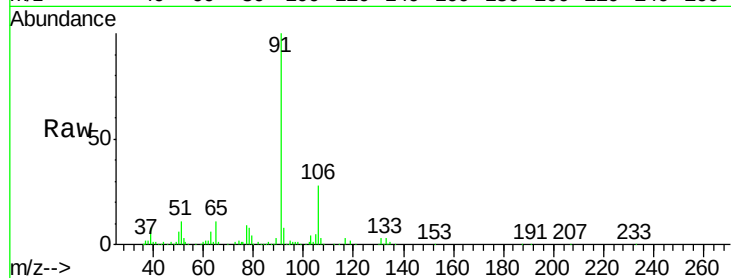
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 264615

Ion Ratio Lower Upper

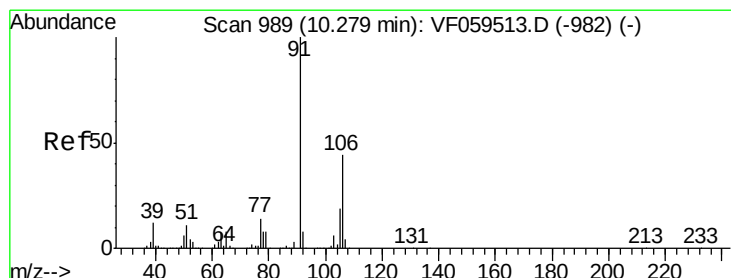
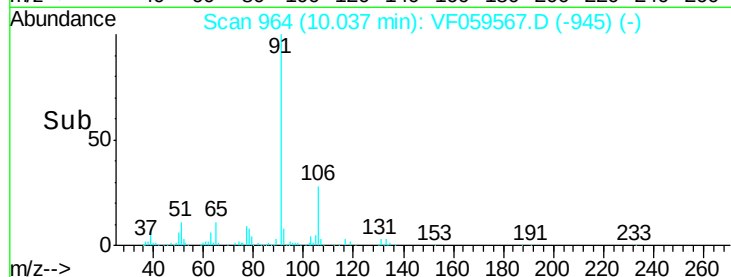
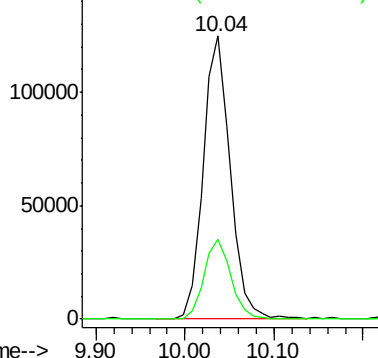
91 100

106 28.4 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.389 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF059567.D

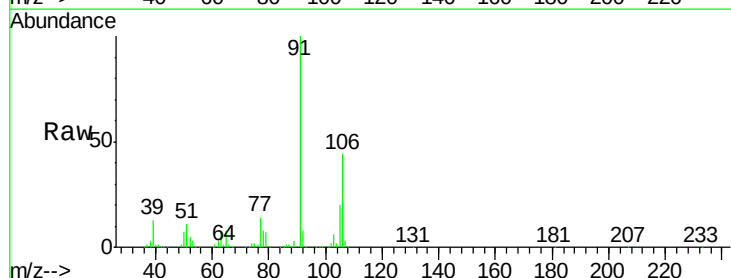
Acq: 19 Jul 2018 20:57

Tgt Ion: 106 Resp: 184774

Ion Ratio Lower Upper

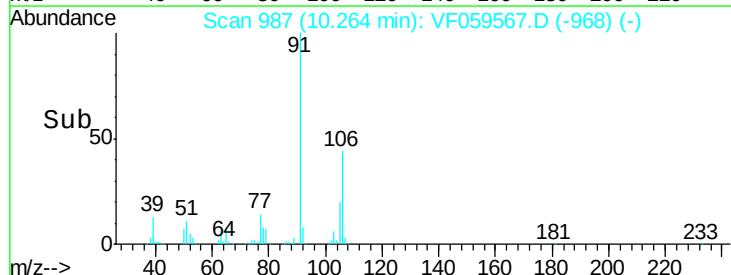
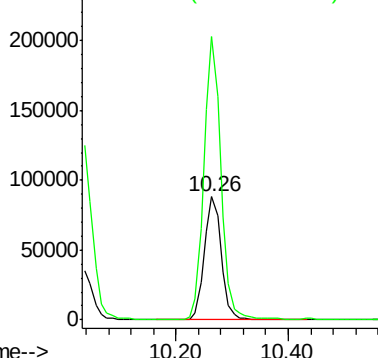
106 100

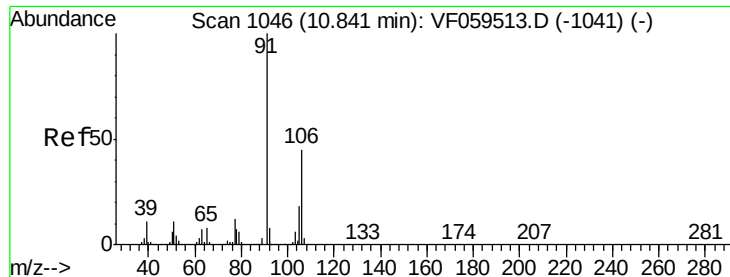
91 229.8 181.0 271.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

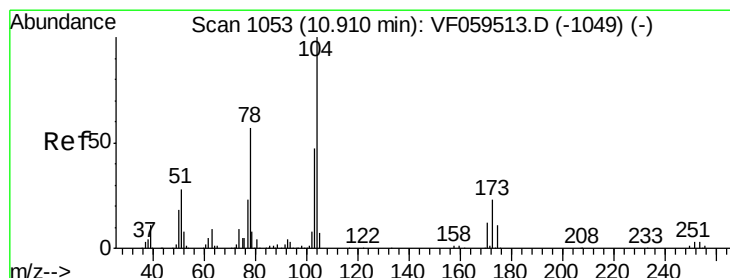
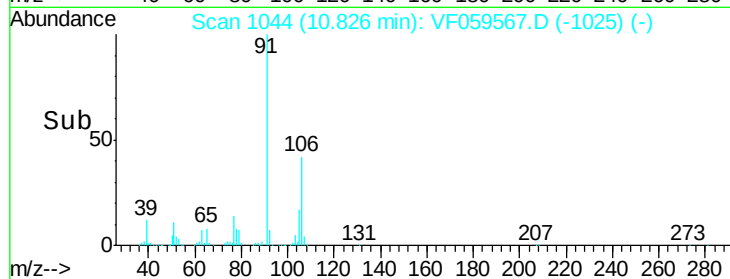
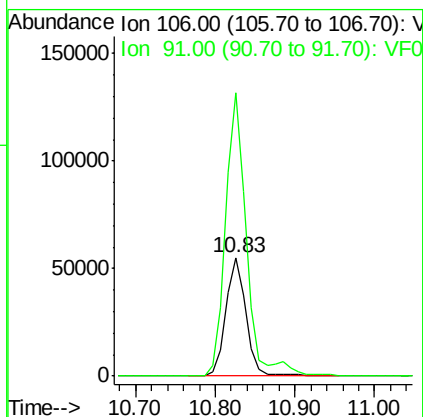
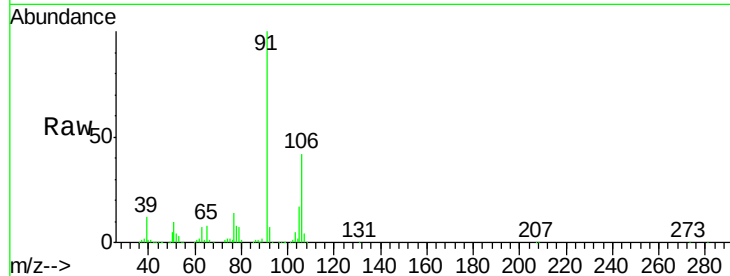




#69
o-Xylene
Concen: 22.887 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

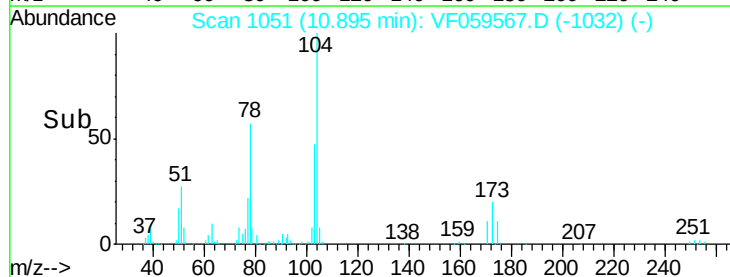
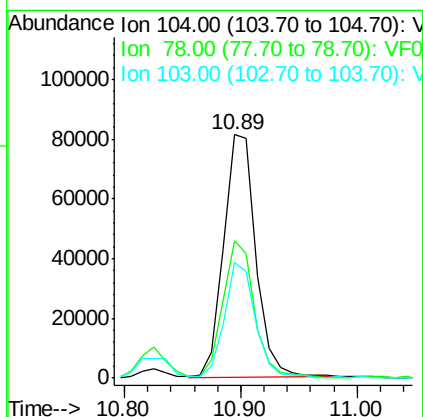
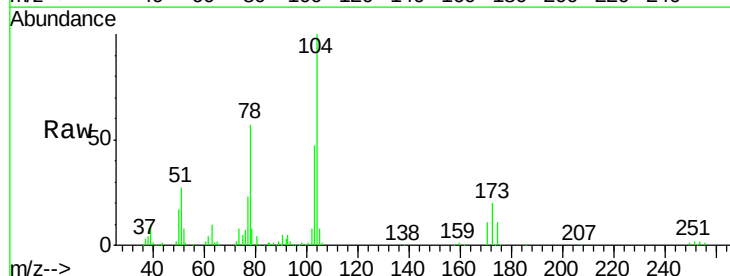
Instrument :
MSVOA_F
ClientSampled :

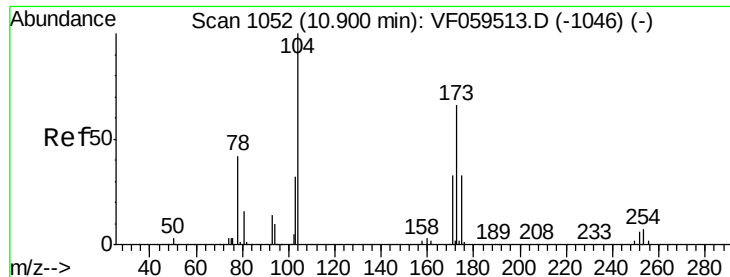
Tot Ion:106 Resp: 99209
Ion Ratio Lower Upper
106 100
91 239.0 112.3 336.9



#70
Styrene
Concen: 23.319 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

Tgt Ion:104 Resp: 155376
Ion Ratio Lower Upper
104 100
78 56.6 45.7 68.5
103 47.5 38.1 57.1





#71

Bromoform

Concen: 19.856 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

ClientSampled :

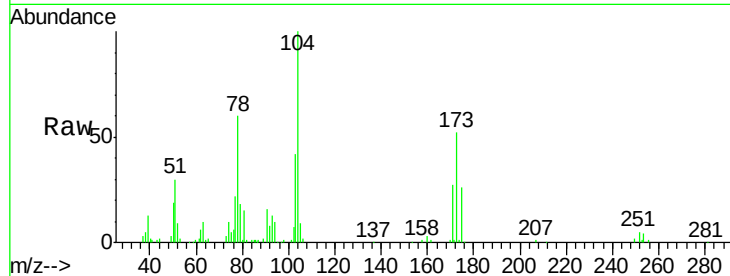
Tot Ion:173 Resp: 40706

Ion Ratio Lower Upper

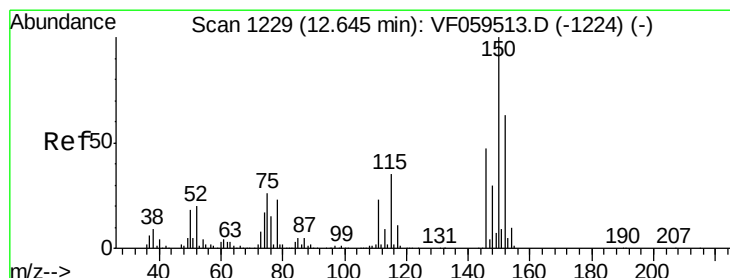
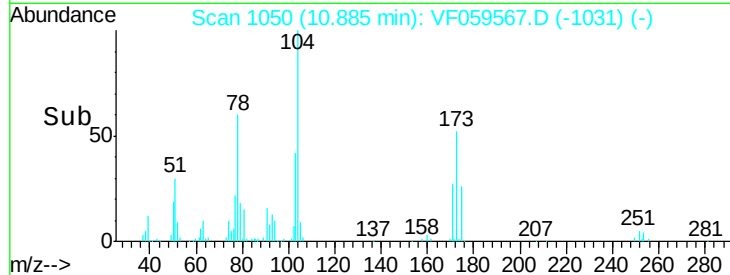
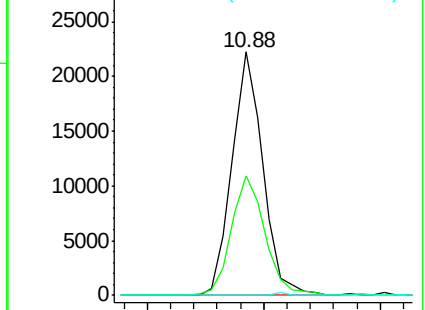
173 100

175 49.3 25.3 75.8

254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

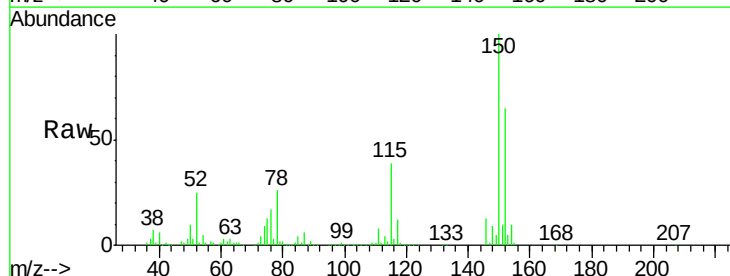
Tgt Ion:152 Resp: 229954

Ion Ratio Lower Upper

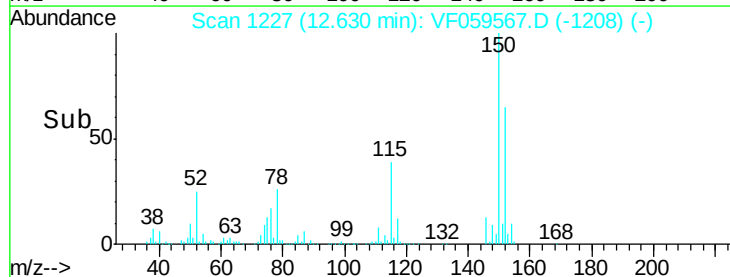
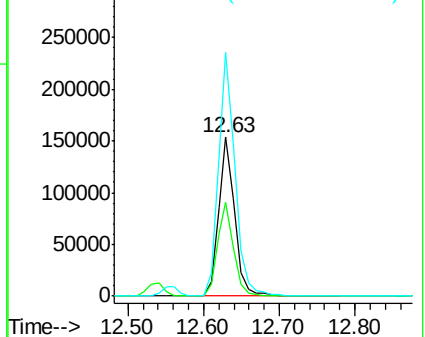
152 100

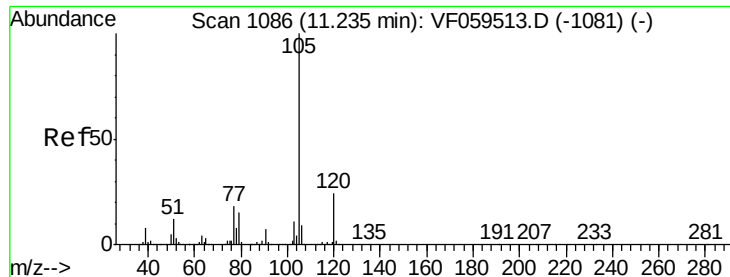
115 59.1 27.8 83.3

150 153.1 0.0 318.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.525 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

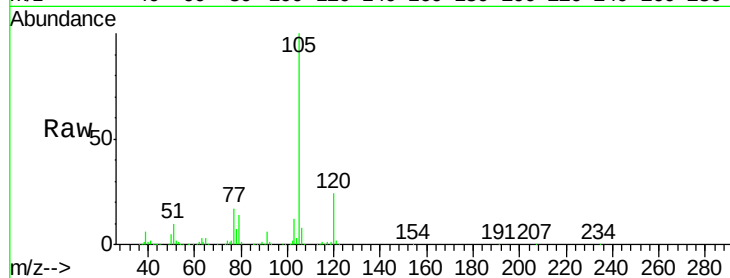
ClientSampleId :

Tot Ion:105 Resp: 312338

Ion Ratio Lower Upper

105 100

120 23.9 12.0 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

200000

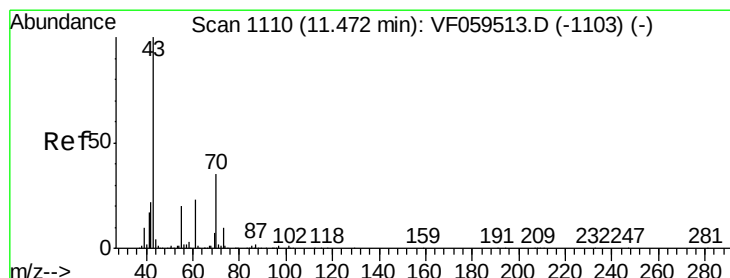
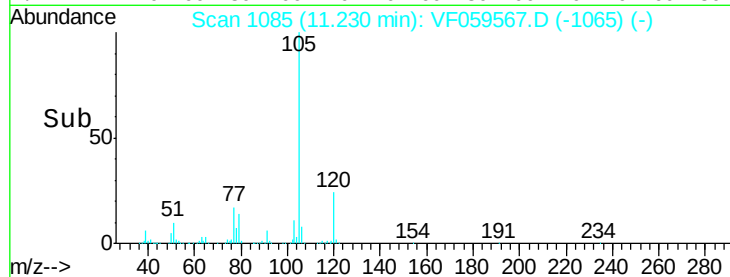
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 14.788 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Tgt Ion: 43 Resp: 68723

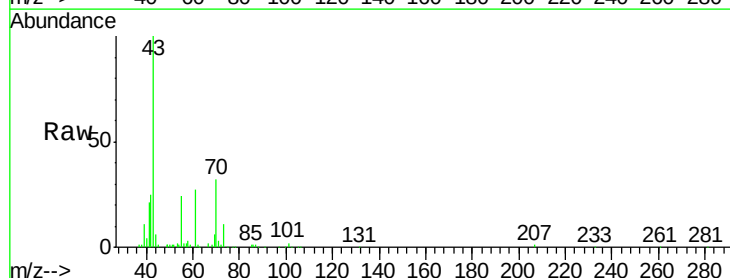
Ion Ratio Lower Upper

43 100

70 32.0 27.9 41.9

55 23.9 16.2 24.2

61 26.6 18.6 27.8



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

60000

50000

40000

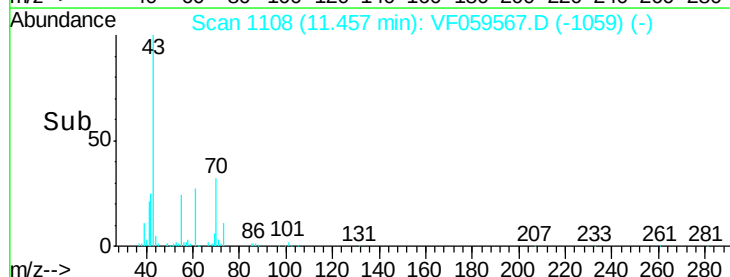
30000

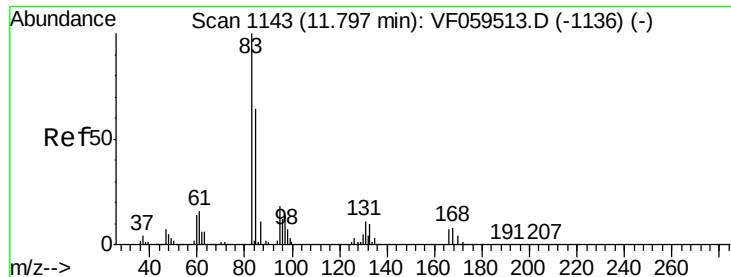
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.806 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059567.D

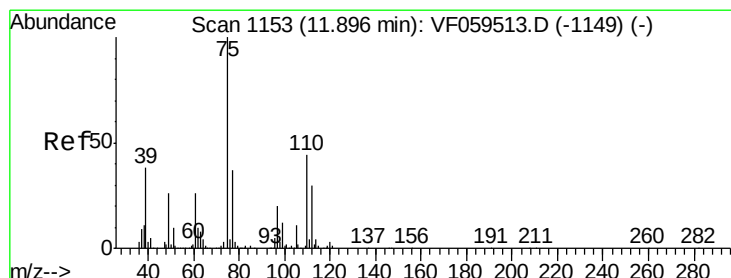
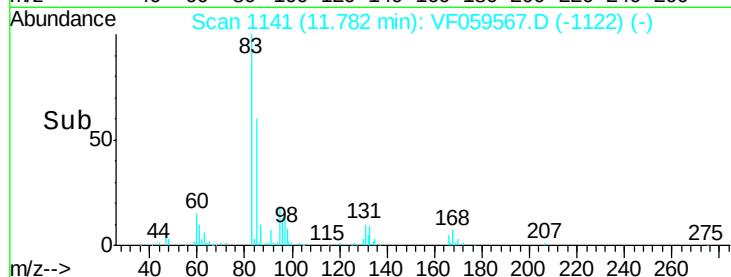
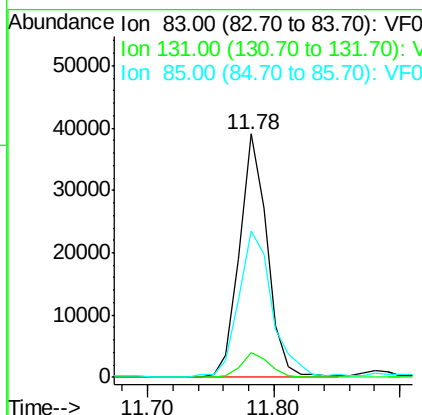
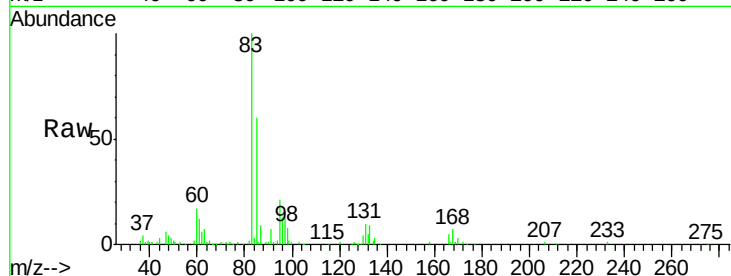
Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	83	Resp:	59517
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.7	17.1
85	60.0	31.9	95.9



#76

1,2,3-Trichloropropane

Concen: 19.261 ug/l

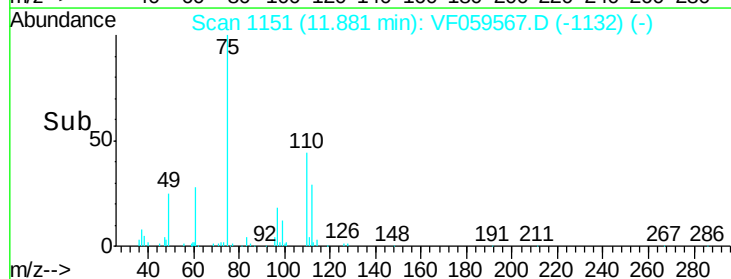
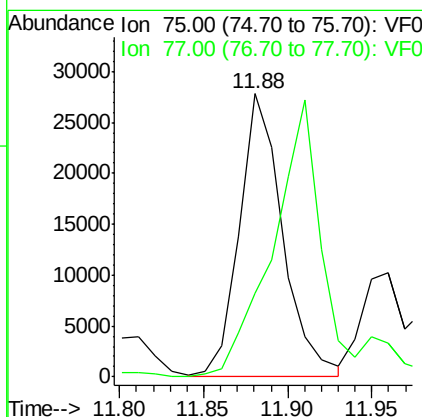
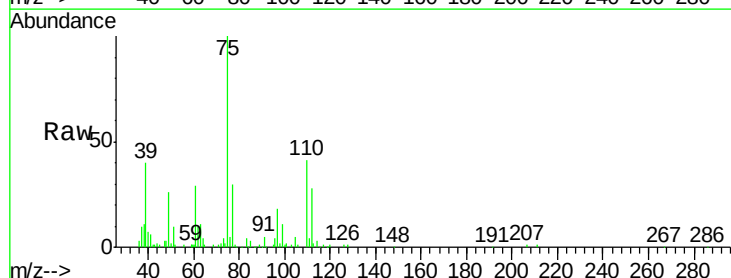
RT: 11.88 min Scan# 1151

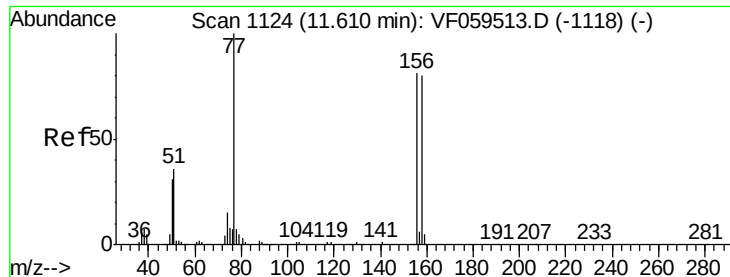
Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Tgt Ion:	75	Resp:	49778
Ion	Ratio	Lower	Upper
75	100		
77	29.6	18.7	56.1





#77

Bromobenzene

Concen: 20.562 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

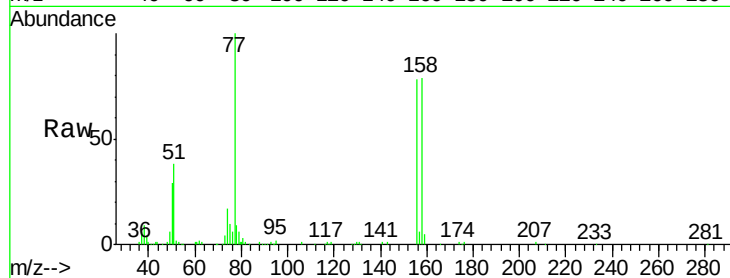
Tot Ion:156 Resp: 83629

Ion Ratio Lower Upper

156 100

77 128.9 62.0 186.0

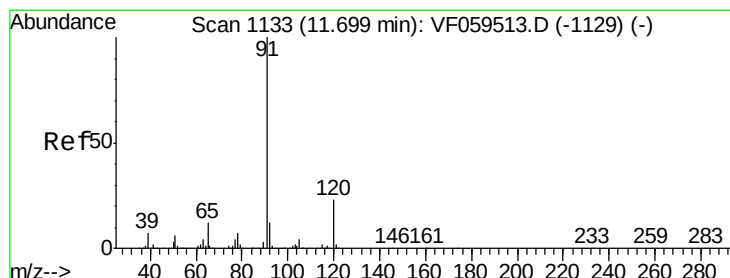
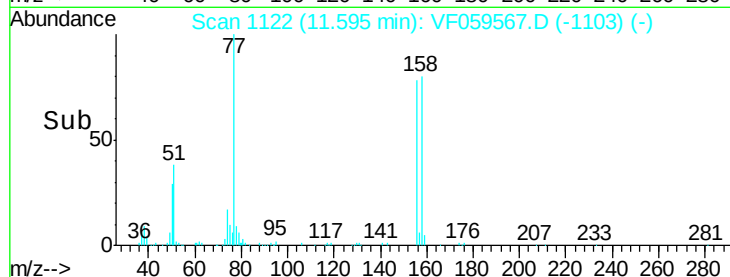
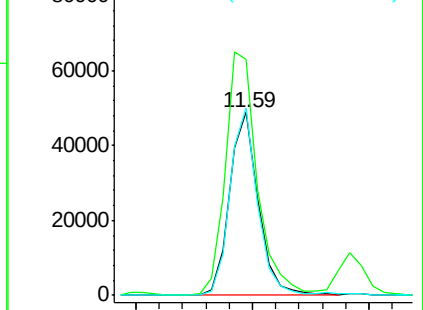
158 102.2 49.8 149.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.814 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF059567.D

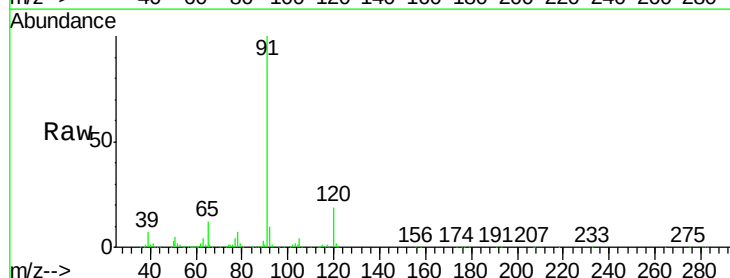
Acq: 19 Jul 2018 20:57

Tgt Ion: 91 Resp: 379734

Ion Ratio Lower Upper

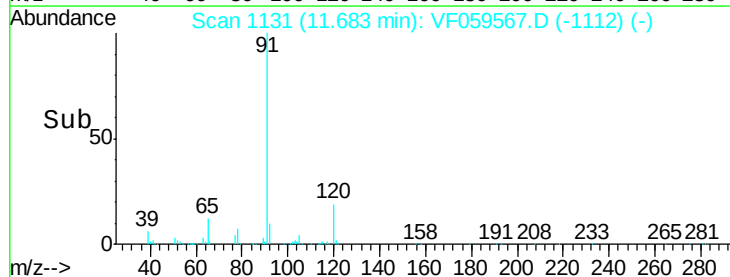
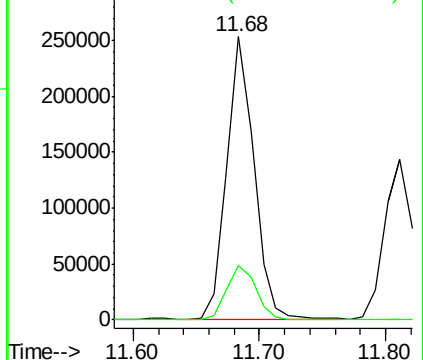
91 100

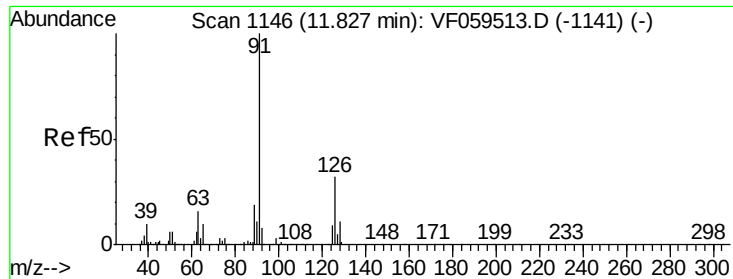
120 19.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.990 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

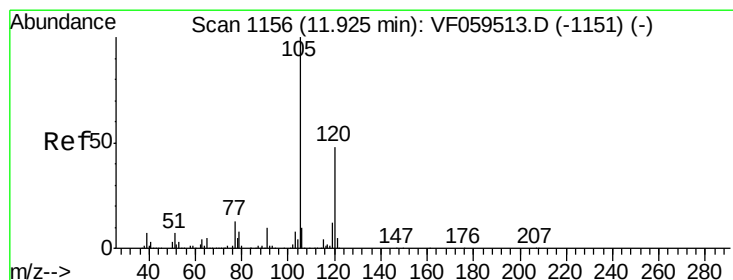
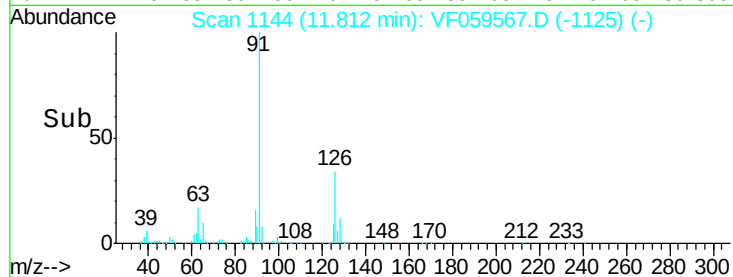
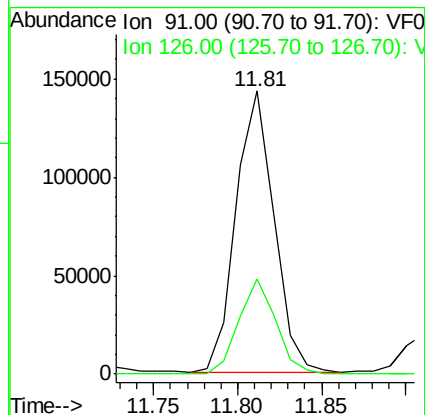
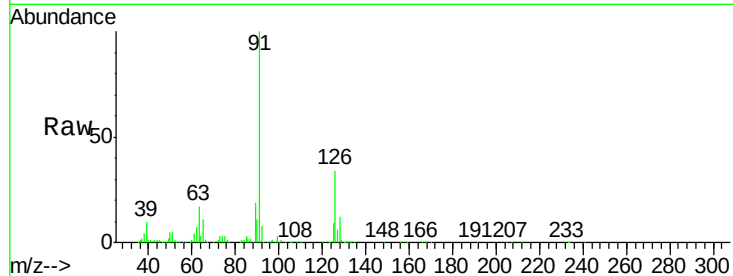
ClientSampleId :

Tot Ion: 91 Resp: 225452

Ion Ratio Lower Upper

91 100

126 33.8 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 22.683 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VF059567.D

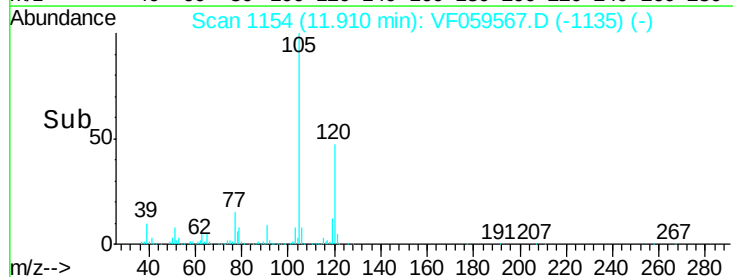
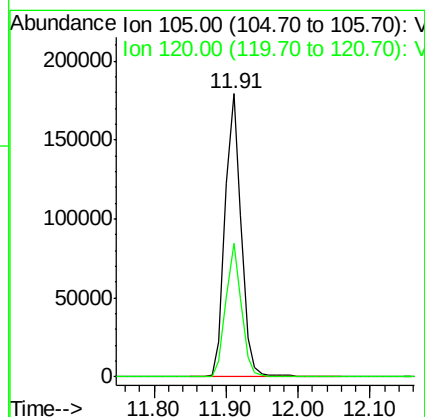
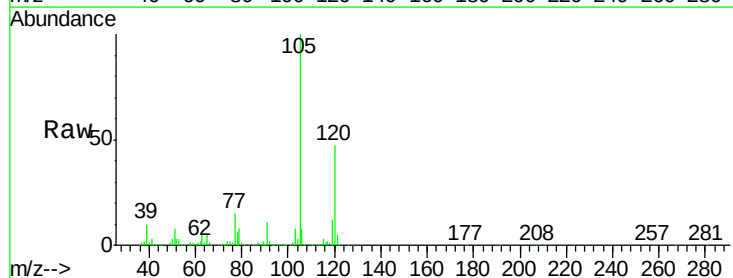
Acq: 19 Jul 2018 20:57

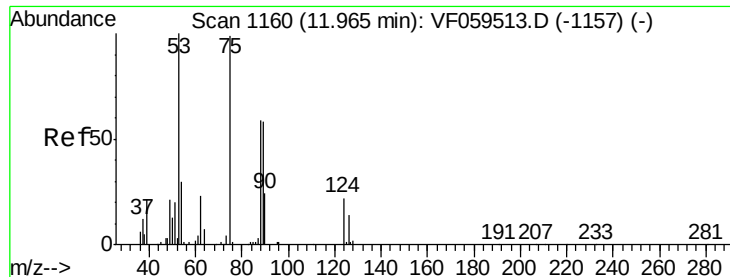
Tgt Ion:105 Resp: 275801

Ion Ratio Lower Upper

105 100

120 47.4 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 22.705 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

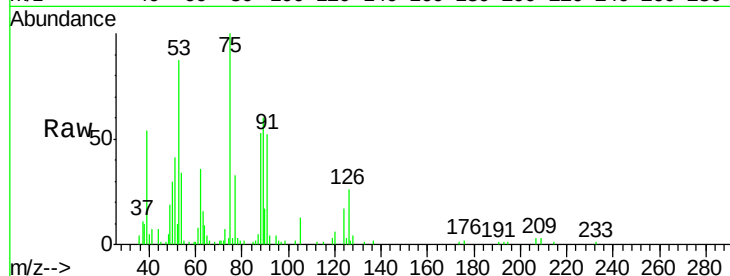
Tot Ion: 75 Resp: 26805

Ion	Ratio	Lower	Upper
75	100		
53	87.5	84.6	127.0
89	60.0	48.2	72.4

75 100

53 87.5 84.6 127.0

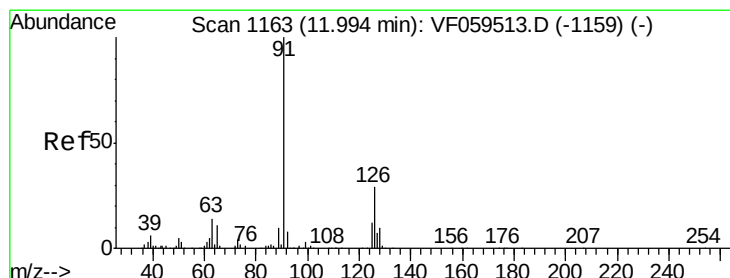
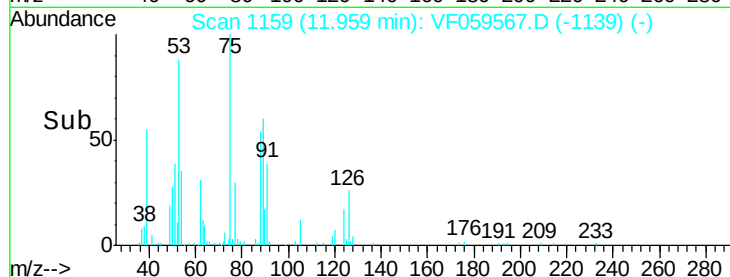
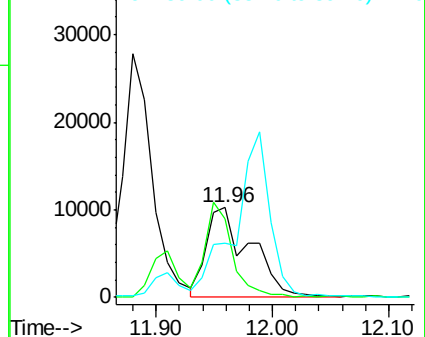
89 60.0 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.395 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059567.D

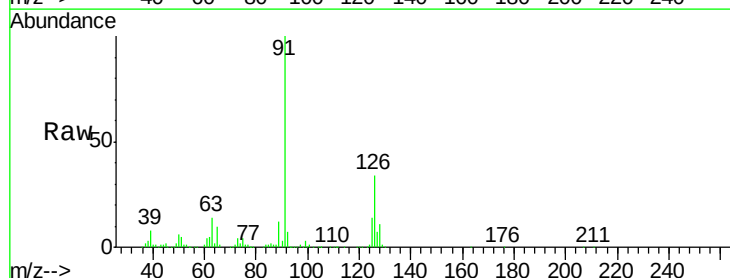
Acq: 19 Jul 2018 20:57

Tgt Ion: 91 Resp: 245785

Ion	Ratio	Lower	Upper
91	100		
126	34.5	14.4	43.4

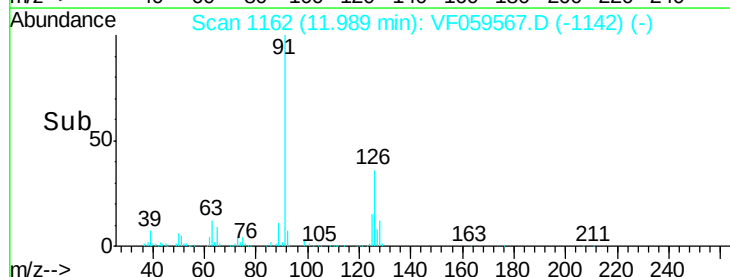
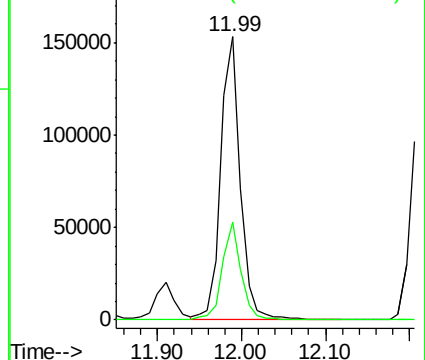
91 100

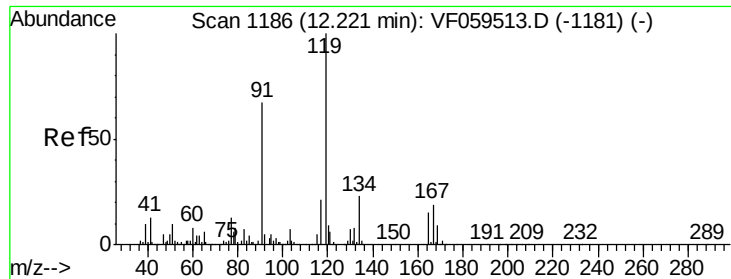
126 34.5 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 23.405 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

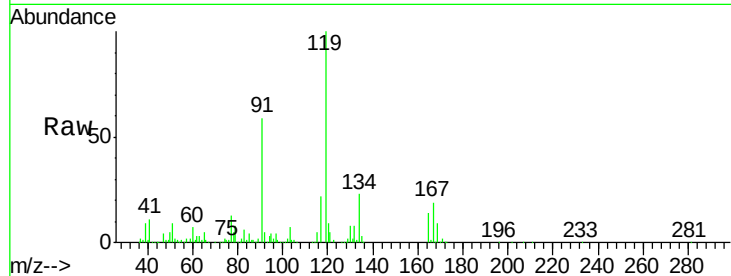
Tot Ion:119 Resp: 273121

Ion Ratio Lower Upper

119 100

91 58.7 33.5 100.5

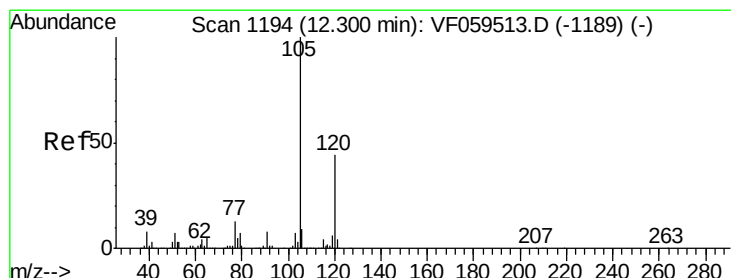
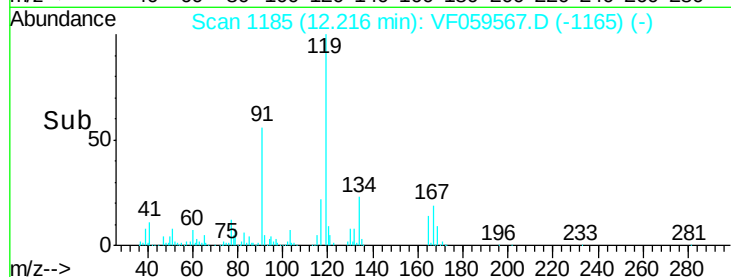
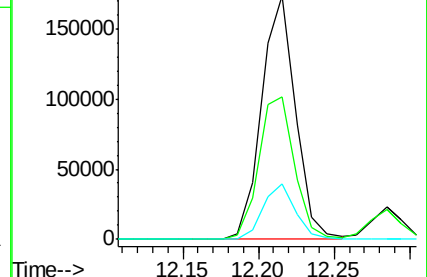
134 22.7 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.419 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.02 min

Lab File: VF059567.D

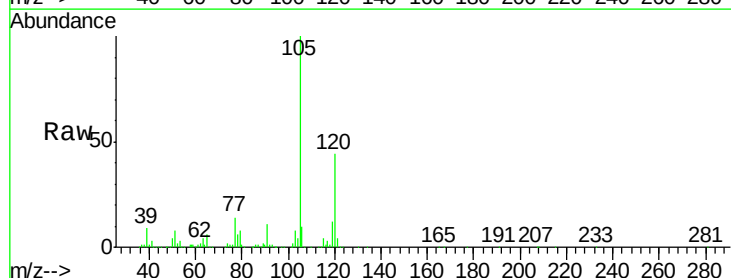
Acq: 19 Jul 2018 20:57

Tgt Ion:105 Resp: 280452

Ion Ratio Lower Upper

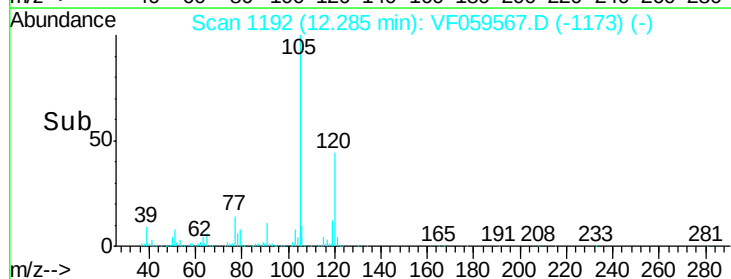
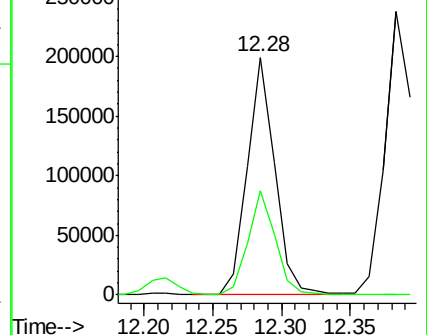
105 100

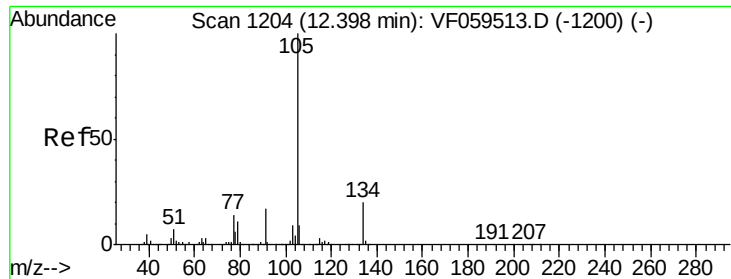
120 43.8 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

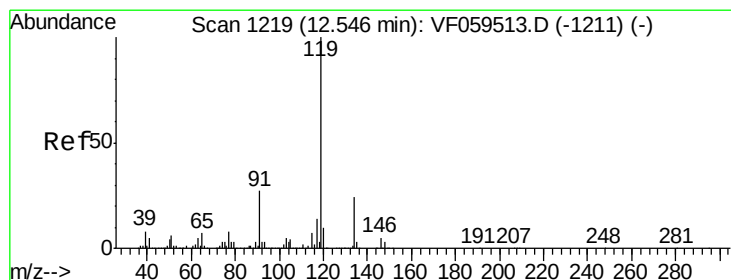
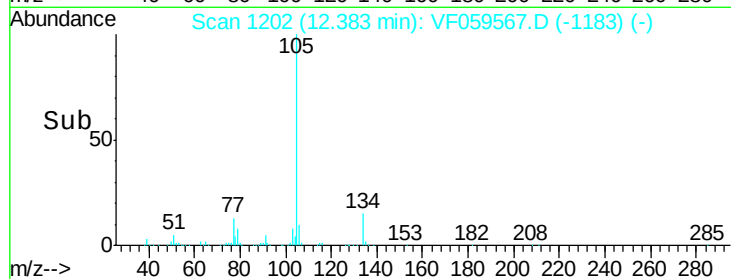
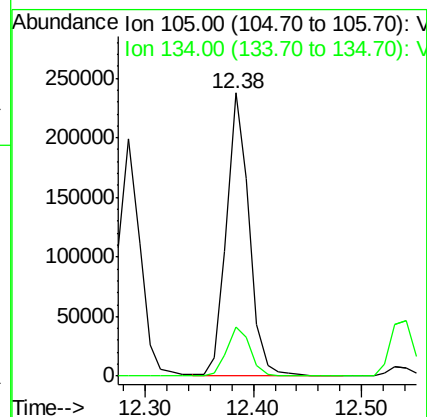
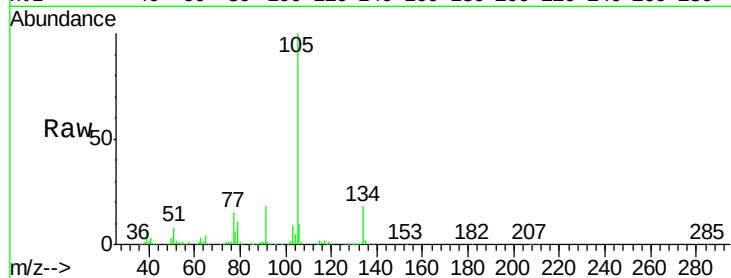




#85
 sec-Butylbenzene
 Concen: 23.264 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: VF059567.D
 Acq: 19 Jul 2018 20:57

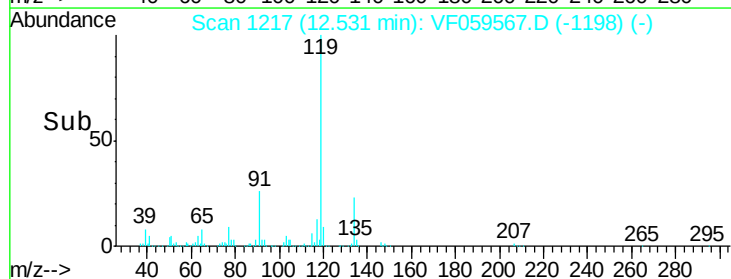
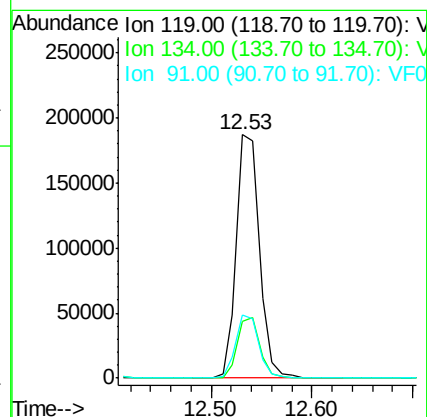
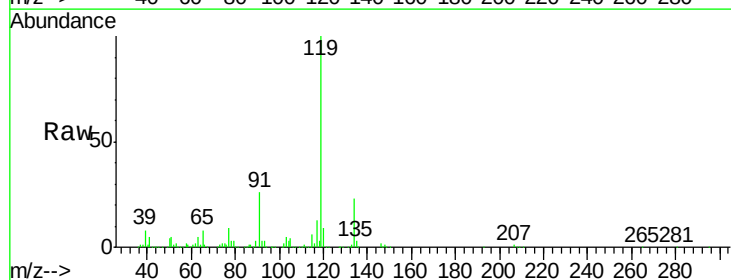
Instrument :
 MSVOA_F
 ClientSampleId :

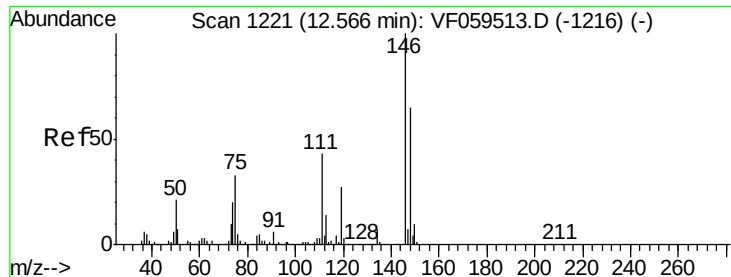
Tot Ion:105 Resp: 345255
 Ion Ratio Lower Upper
 105 100
 134 17.5 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 23.092 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VF059567.D
 Acq: 19 Jul 2018 20:57

Tgt Ion:119 Resp: 298181
 Ion Ratio Lower Upper
 119 100
 134 23.2 12.0 36.0
 91 25.8 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 22.440 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_F

ClientSampled :

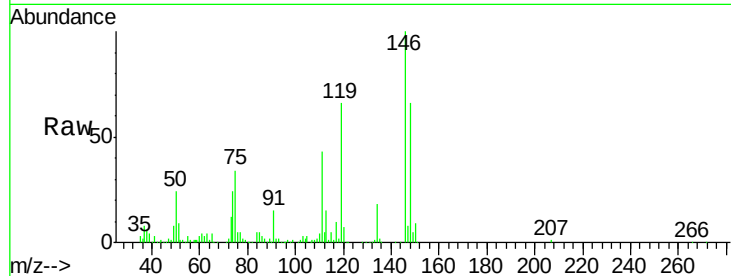
Tot Ion:146 Resp: 156577

Ion Ratio Lower Upper

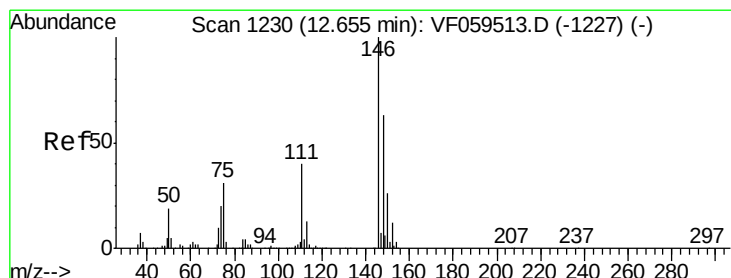
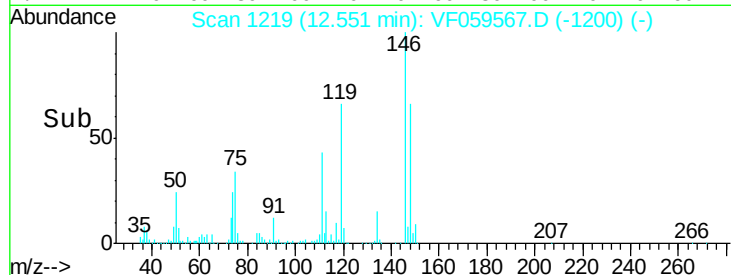
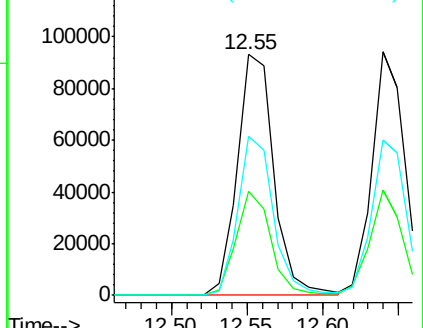
146 100

111 42.9 21.4 64.3

148 66.1 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.535 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.02 min

Lab File: VF059567.D

Acq: 19 Jul 2018 20:57

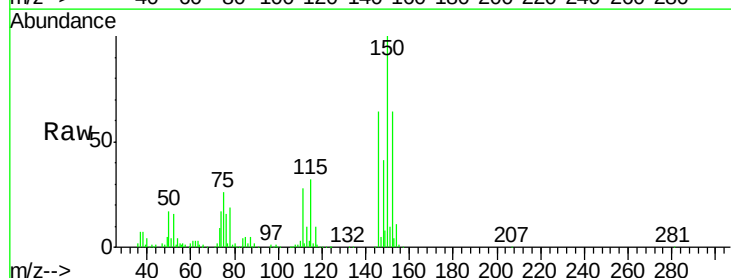
Tgt Ion:146 Resp: 148064

Ion Ratio Lower Upper

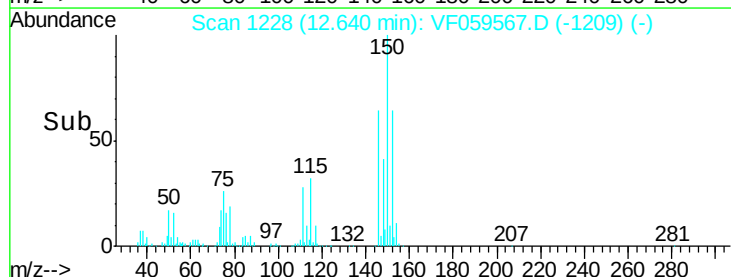
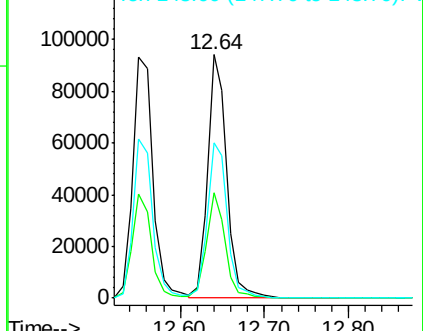
146 100

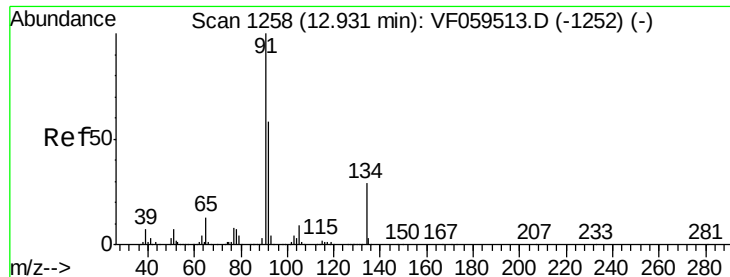
111 43.4 20.0 59.9

148 63.8 31.5 94.5



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

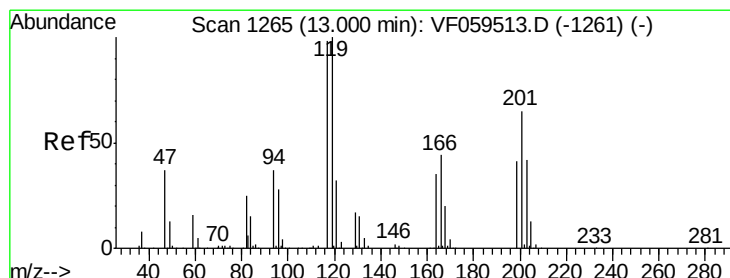
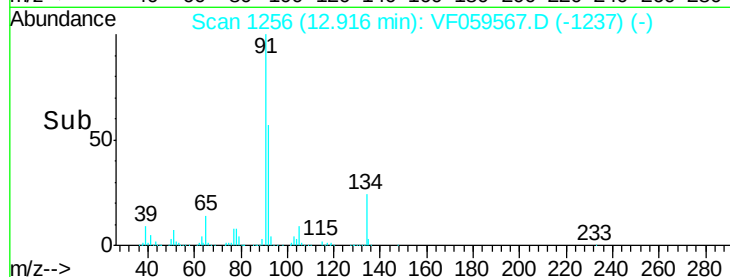
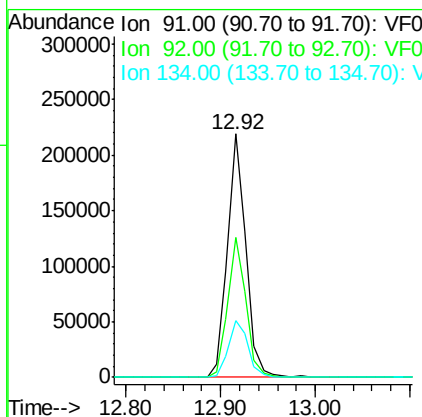
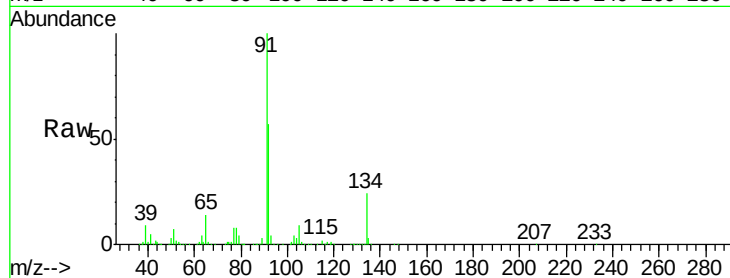




#89
n-Butylbenzene
Concen: 24.467 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

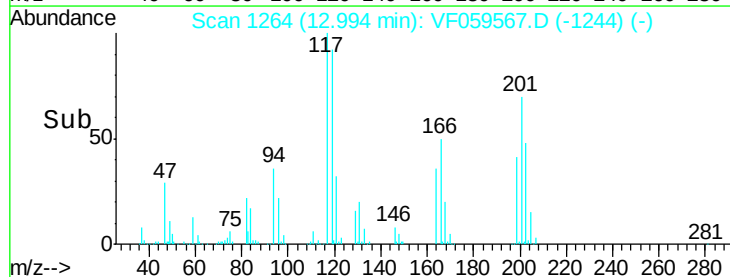
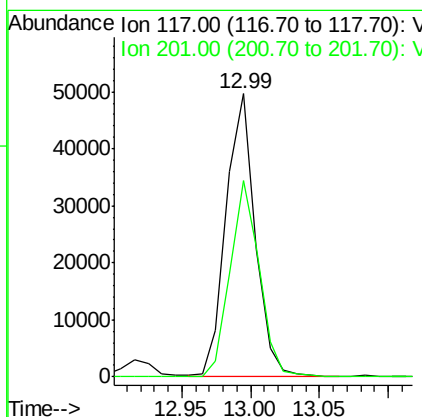
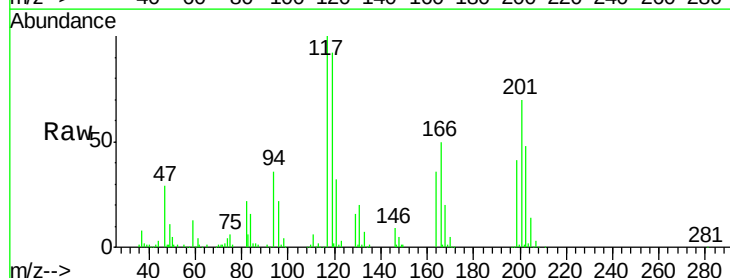
Instrument :
MSVOA_F
ClientSampled :

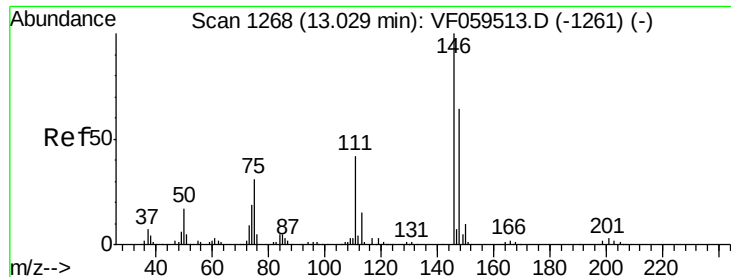
Tot Ion	Ratio	Lower	Upper
91	100		
92	57.3	29.1	87.3
134	23.5	14.3	42.9



#90
Hexachloroethane
Concen: 24.924 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	32.6	98.0

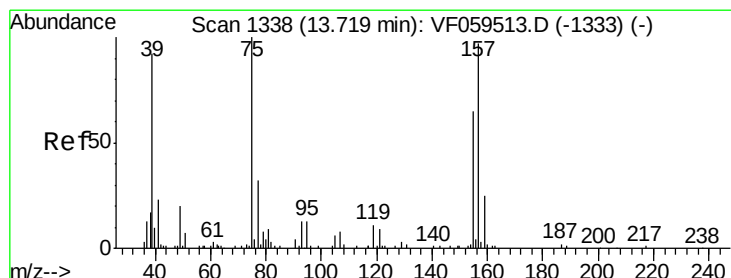
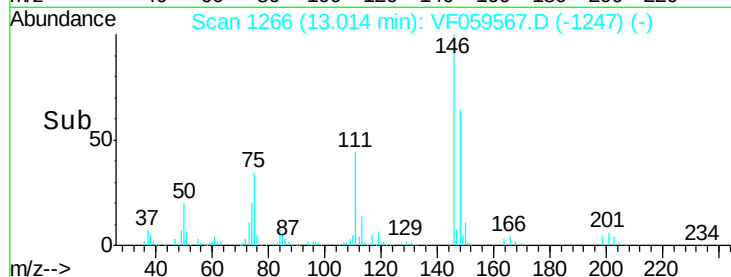
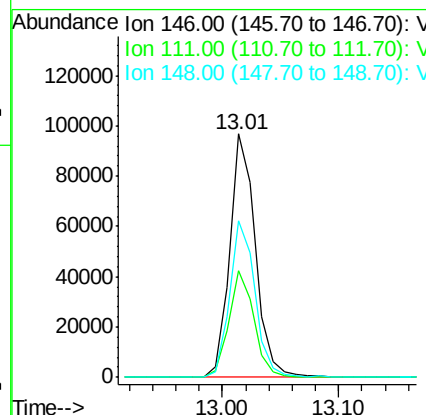
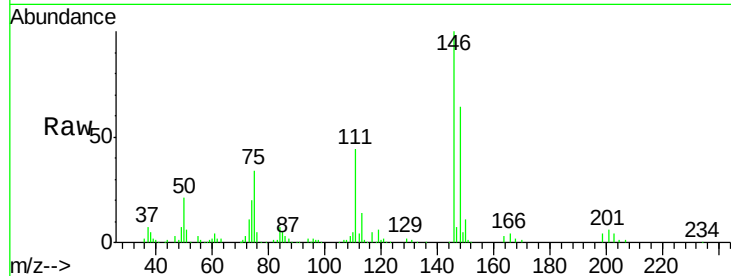




#91
 1,2-Dichlorobenzene
 Concen: 22.118 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: VF059567.D
 Acq: 19 Jul 2018 20:57

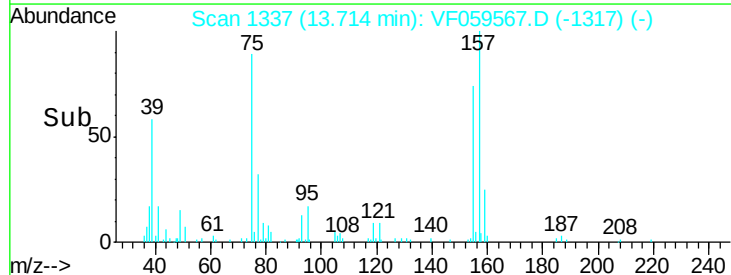
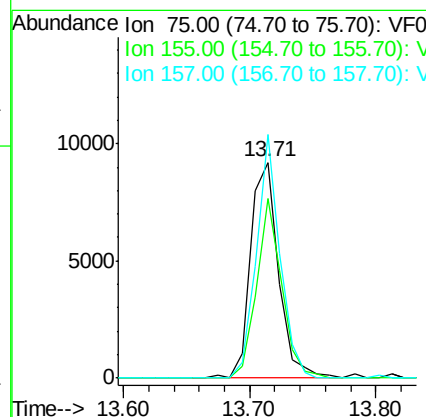
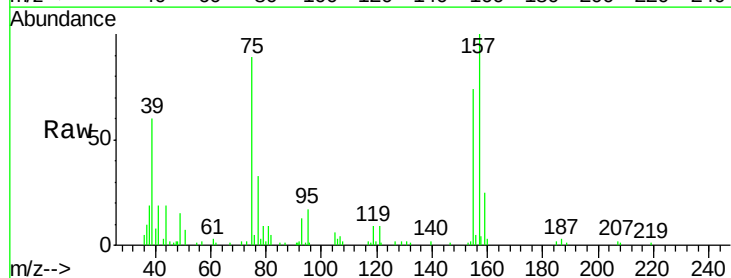
Instrument :
 MSVOA_F
 ClientSampleId :

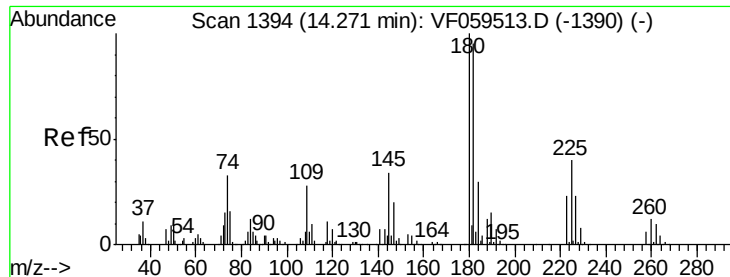
Tot Ion:146 Resp: 147604
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.1 63.1
 148 64.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.733 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059567.D
 Acq: 19 Jul 2018 20:57

Tgt Ion: 75 Resp: 14149
 Ion Ratio Lower Upper
 75 100
 155 83.6 32.8 98.3
 157 113.0 48.5 145.5

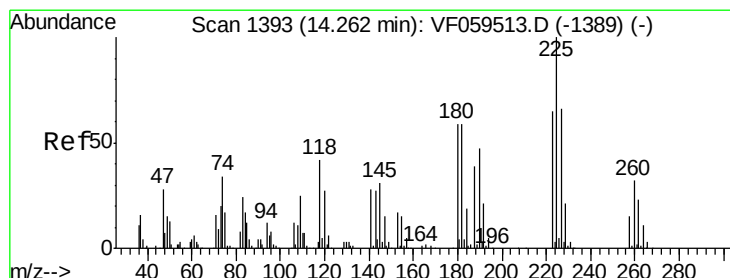
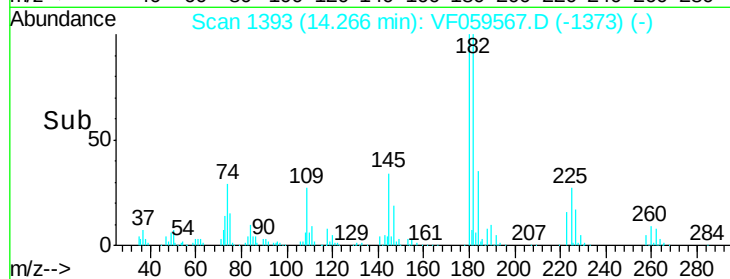
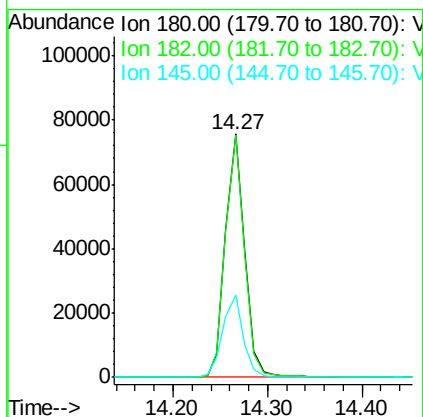
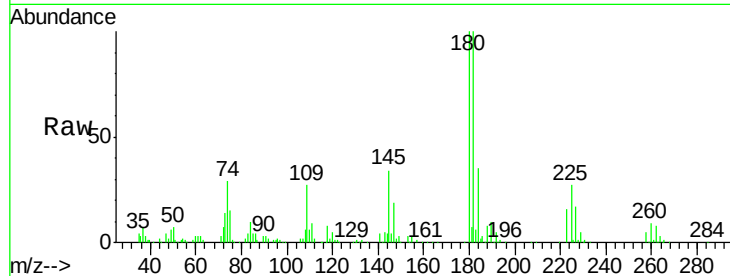




#93
 1,2,4-Trichlorobenzene
 Concen: 26.470 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059567.D
 Acq: 19 Jul 2018 20:57

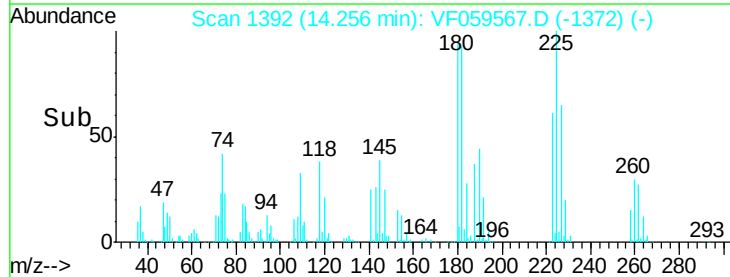
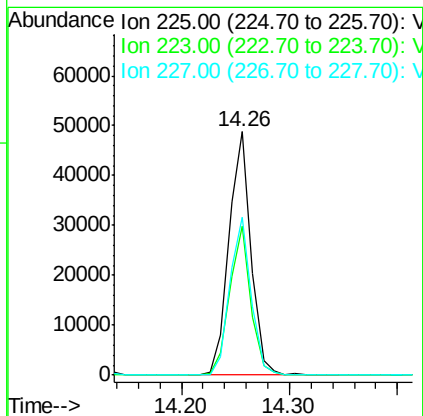
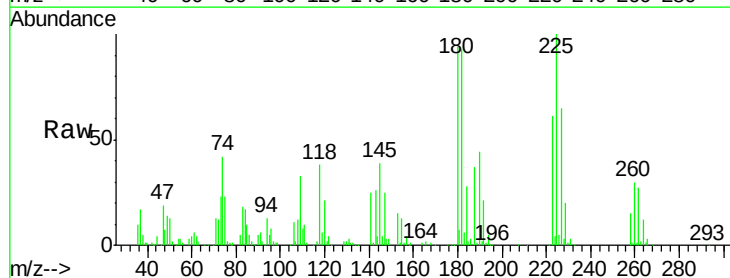
Instrument :
 MSVOA_F
 ClientSampleId :

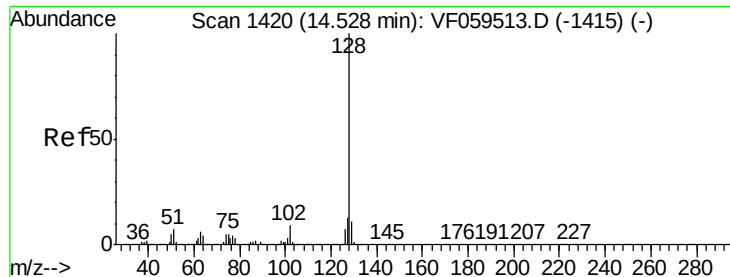
Tot Ion:180 Resp: 107336
 Ion Ratio Lower Upper
 180 100
 182 99.6 47.5 142.5
 145 33.8 17.3 51.7



#94
 Hexachlorobutadiene
 Concen: 33.201 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059567.D
 Acq: 19 Jul 2018 20:57

Tgt Ion:225 Resp: 68968
 Ion Ratio Lower Upper
 225 100
 223 61.3 32.3 96.8
 227 64.9 33.2 99.6

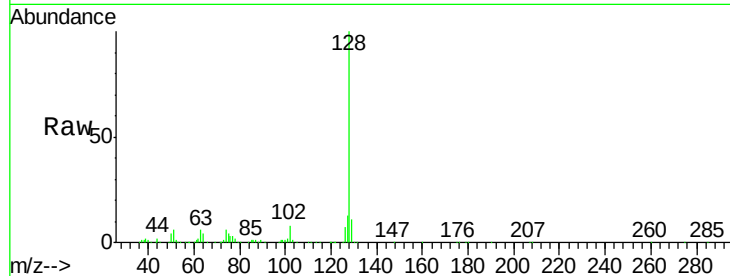




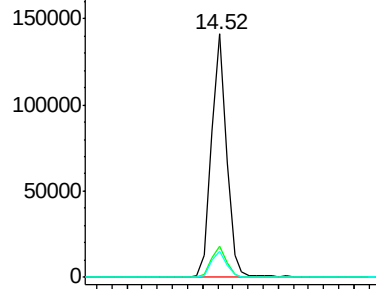
#95
Naphthalene
Concen: 23.141 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

Instrument :
MSVOA_F
ClientSampleId :

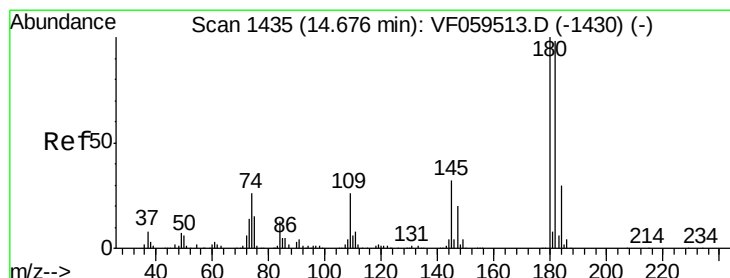
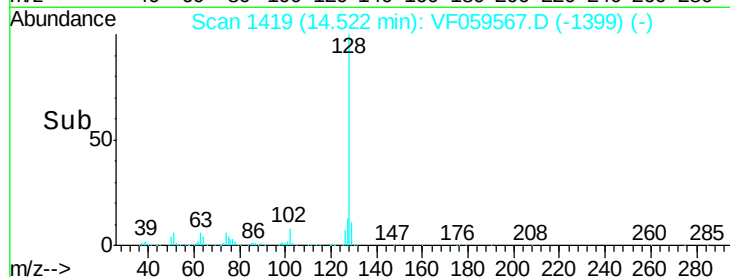
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.6	9.0	13.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

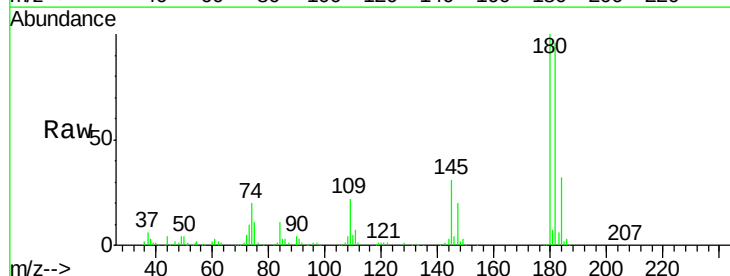


Time-->

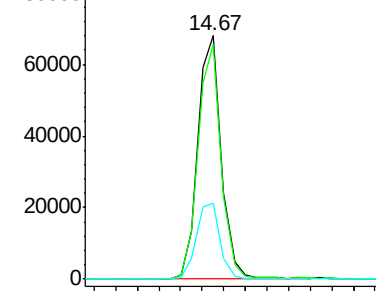


#96
1,2,3-Trichlorobenzene
Concen: 28.064 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059567.D
Acq: 19 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.8	146.4
145	31.0	16.2	48.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



Time-->

