

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059566.D
 Acq On : 19 Jul 2018 20:29
 Operator : VA/AP
 Sample : VF0719SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 04:52:13 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	5.05	168	220784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	314866	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	324533	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	226016	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	185981	54.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.32%	
35) Dibromofluoromethane	4.29	113	149898	54.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.94%	
50) Toluene-d8	7.71	98	343182	49.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.50	95	201510	55.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	64477	23.836	ug/l	93
3) Chloromethane	1.08	50	27596	18.541	ug/l	95
4) Vinyl Chloride	1.15	62	30372	20.224	ug/l	93
5) Bromomethane	1.34	94	28797	27.668	ug/l	95
6) Chloroethane	1.42	64	19677	25.984	ug/l #	86
7) Trichlorofluoromethane	1.54	101	41047	11.168	ug/l	94
8) Diethyl Ether	1.69	74	14948	21.135	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.90	101	45934	29.593	ug/l #	88
10) Methyl Iodide	1.96	142	85027	31.291	ug/l	94
11) Tert butyl alcohol	2.68	59	14822	93.732	ug/l #	89
12) 1,1-Dichloroethene	1.85	96	37650	22.809	ug/l	93
13) Acrolein	2.09	56	7852	96.202	ug/l	92
14) Allyl chloride	2.19	41	62110	30.150	ug/l	98
15) Acrylonitrile	3.07	53	28179	97.813	ug/l	97
16) Acetone	2.33	43	61387	103.548	ug/l #	87
17) Carbon Disulfide	1.83	76	35094	8.297	ug/l	96
18) Methyl Acetate	2.44	43	21295	18.394	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	107950	20.847	ug/l	94
20) Methylene Chloride	2.28	84	41280	24.290	ug/l #	68
21) trans-1,2-Dichloroethene	2.41	96	37785	24.757	ug/l	94
22) Diisopropyl ether	2.92	45	121412	20.971	ug/l	94
23) Vinyl Acetate	3.32	43	350081	103.477	ug/l	100
24) 1,1-Dichloroethane	3.00	63	90619	25.345	ug/l	98
25) 2-Butanone	4.50	43	69150	86.740	ug/l	92
26) 2,2-Dichloropropane	3.75	77	67307	28.455	ug/l	90
27) cis-1,2-Dichloroethene	3.64	96	44038	24.793	ug/l	82
28) Bromochloromethane	3.88	49	33506	21.290	ug/l #	99
29) Tetrahydrofuran	4.25	42	31732	83.569	ug/l	92
30) Chloroform	4.03	83	122107	23.641	ug/l	95
31) Cyclohexane	3.86	56	47498	25.647	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	105263	31.361	ug/l	96
36) 1,1-Dichloropropene	4.45	75	74055	23.498	ug/l	95
37) Ethyl Acetate	4.28	43	34855	16.712	ug/l #	1
38) Carbon Tetrachloride	4.16	117	117305	32.480	ug/l	98

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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)
39) Methylcyclohexane	5.63	83	59213	24.757	ug/l	92
40) Benzene	4.81	78	143935	23.541	ug/l	98
41) Methacrylonitrile	4.91	41	17445	19.302	ug/l #	80
42) 1,2-Dichloroethane	5.12	62	98556	24.540	ug/l	99
43) Isopropyl Acetate	7.11	43	39275	17.343	ug/l #	91
44) Trichloroethene	5.67	130	51928	22.945	ug/l	83
45) 1,2-Dichloropropane	6.40	63	37155	21.894	ug/l	98
46) Dibromomethane	6.25	93	35241	22.803	ug/l #	87
47) Bromodichloromethane	6.54	83	97949	24.621	ug/l	98
48) Methyl methacrylate	6.87	41	28090	17.367	ug/l	98
49) 1,4-Dioxane	6.86	88	2803	345.954	ug/l #	84
51) 4-Methyl-2-Pentanone	8.40	43	145769	90.805	ug/l	94
52) Toluene	7.78	92	100366	22.634	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	82513	22.549	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	79990	21.954	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	39886	23.215	ug/l	93
56) Ethyl methacrylate	8.75	69	37767	17.725	ug/l #	84
57) 1,3-Dichloropropane	9.00	76	66512	21.893	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	22546	119.855	ug/l	100
59) 2-Hexanone	9.63	43	108550	89.472	ug/l	97
60) Dibromochloromethane	8.86	129	66667	23.024	ug/l	99
61) 1,2-Dibromoethane	9.13	107	45911	21.536	ug/l	89
64) Tetrachloroethene	8.30	164	55797	23.088	ug/l	94
65) Chlorobenzene	9.94	112	134287	22.064	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	64828	23.385	ug/l	95
67) Ethyl Benzene	10.03	91	253627	23.411	ug/l	100
68) m/p-Xylenes	10.26	106	184742	48.314	ug/l	91
69) o-Xylene	10.82	106	96284	23.647	ug/l	95
70) Styrene	10.90	104	148657	23.753	ug/l	98
71) Bromoform	10.88	173	40600	21.084	ug/l	95
73) Isopropylbenzene	11.23	105	300390	21.062	ug/l	97
74) N-amyl acetate	11.46	43	63412	13.883	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	55343	17.791	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	48266	19.001	ug/l	96
77) Bromobenzene	11.59	156	79988	20.009	ug/l	90
78) n-propylbenzene	11.69	91	358103	21.889	ug/l	99
79) 2-Chlorotoluene	11.81	91	210914	20.930	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	269765	22.573	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	26137	22.525	ug/l	87
82) 4-Chlorotoluene	11.99	91	241934	21.427	ug/l	99
83) tert-Butylbenzene	12.21	119	259955	22.665	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	284788	23.163	ug/l	93
85) sec-Butylbenzene	12.39	105	348688	23.904	ug/l	99
86) p-Isopropyltoluene	12.54	119	302035	23.798	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	154218	22.487	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	152835	22.616	ug/l	95
89) n-Butylbenzene	12.91	91	299186	25.189	ug/l	95
90) Hexachloroethane	12.99	117	72329	25.089	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	151911	23.160	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11944	16.948	ug/l	87

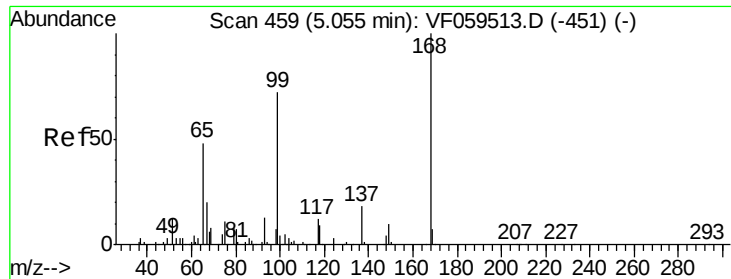
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071918\
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Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	107950	27.085	ug/l	98
94) Hexachlorobutadiene	14.25	225	68942	33.767	ug/l	98
95) Naphthalene	14.52	128	175162	21.156	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	100886	28.016	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

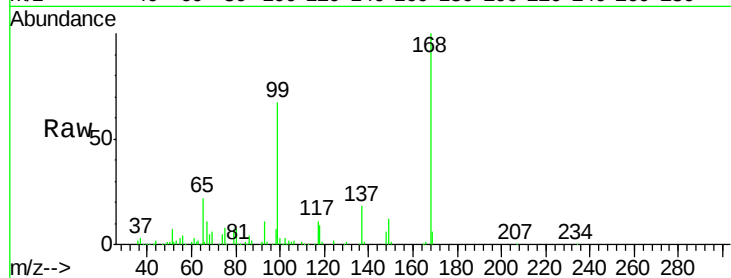
ClientSampleId :

Tot Ion:168 Resp: 220784

Ion Ratio Lower Upper

168 100

99 66.7 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

60000

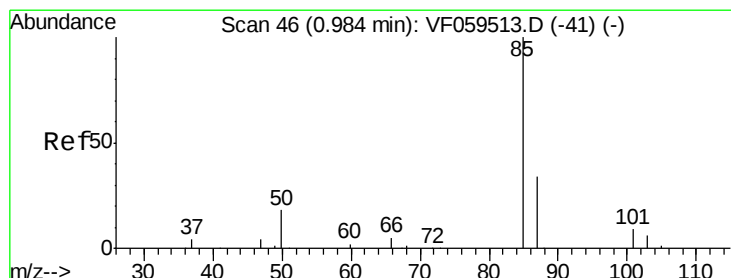
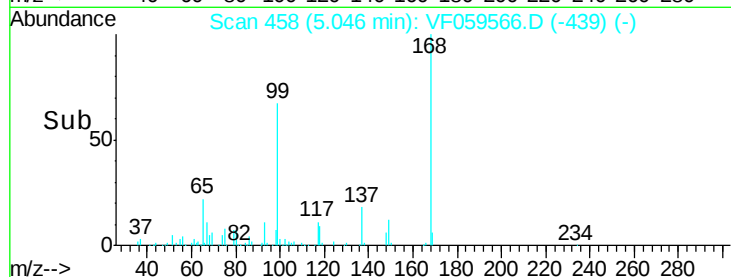
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 23.836 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059566.D

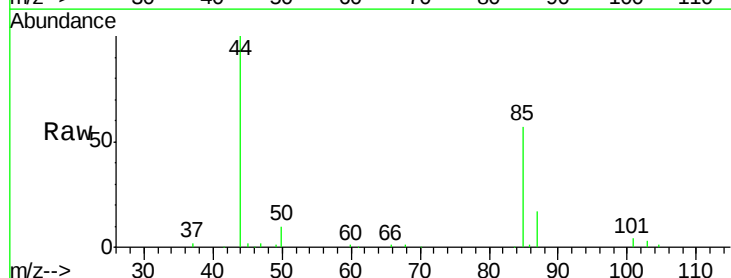
Acq: 19 Jul 2018 20:29

Tgt Ion: 85 Resp: 64477

Ion Ratio Lower Upper

85 100

87 29.8 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

15000

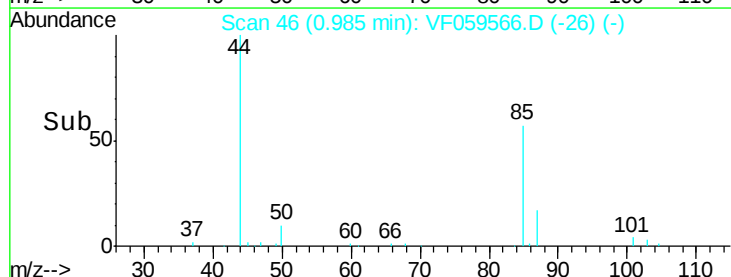
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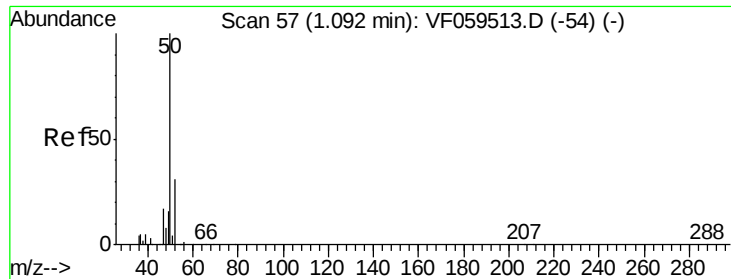
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 18.541 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

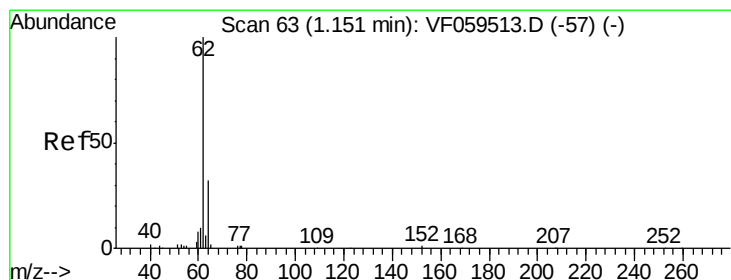
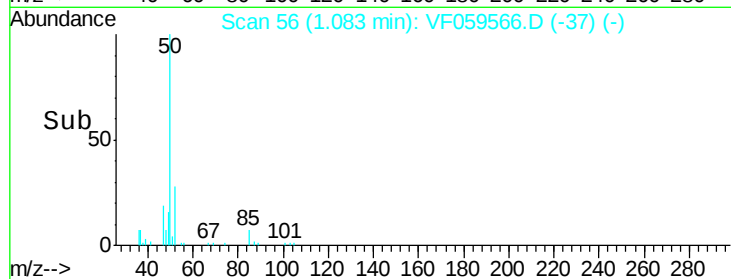
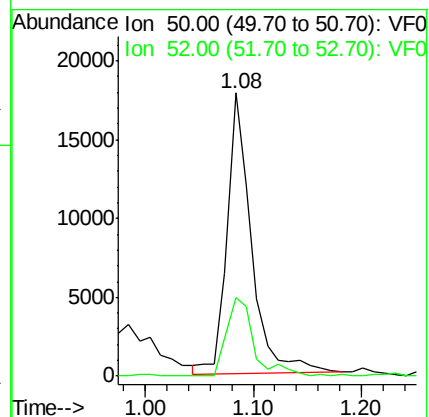
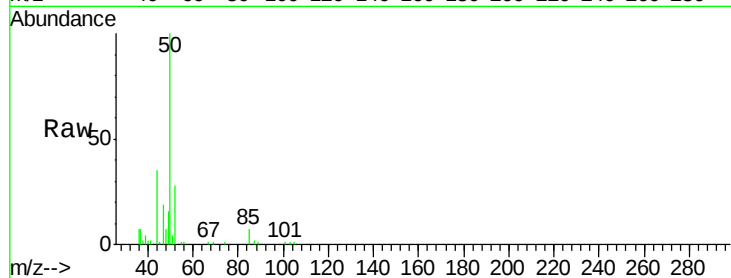
ClientSampleId :

Tot Ion: 50 Resp: 27596

Ion Ratio Lower Upper

50 100

52 28.0 24.6 37.0



#4

Vinyl Chloride

Concen: 20.224 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059566.D

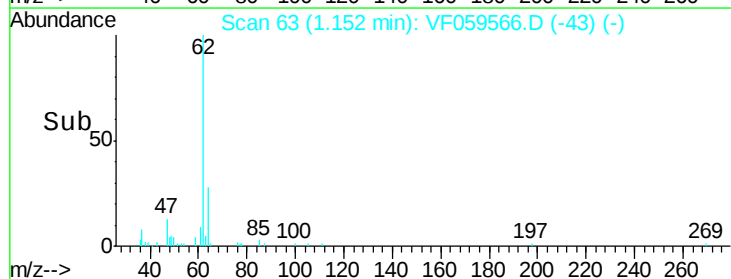
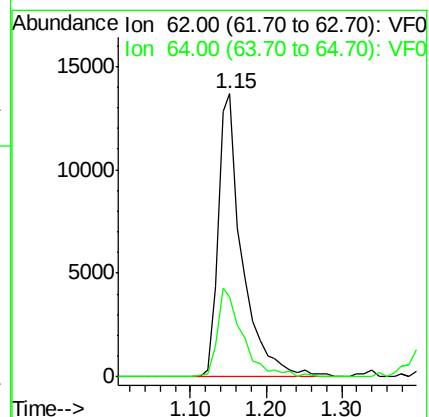
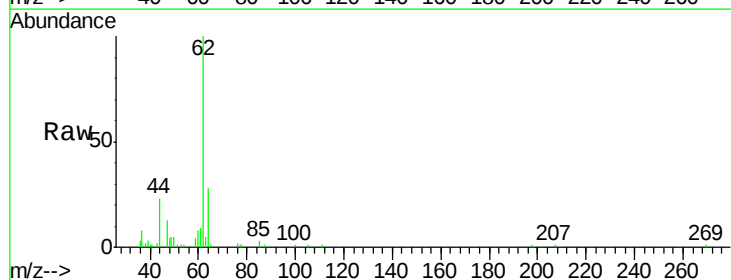
Acq: 19 Jul 2018 20:29

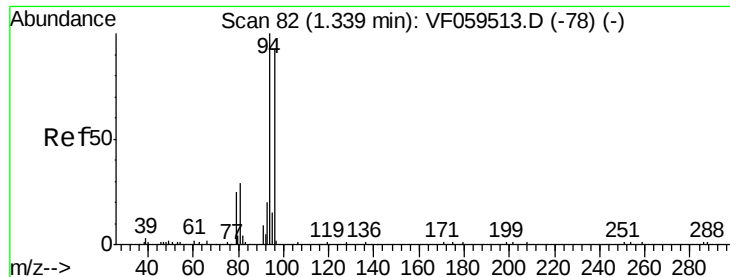
Tgt Ion: 62 Resp: 30372

Ion Ratio Lower Upper

62 100

64 28.1 25.7 38.5





#5

Bromomethane

Concen: 27.668 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

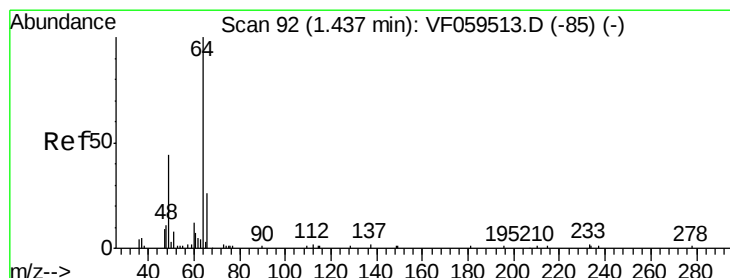
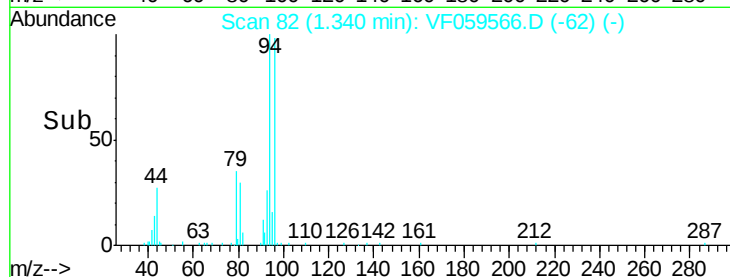
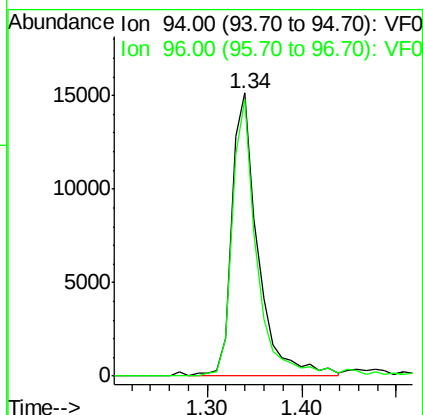
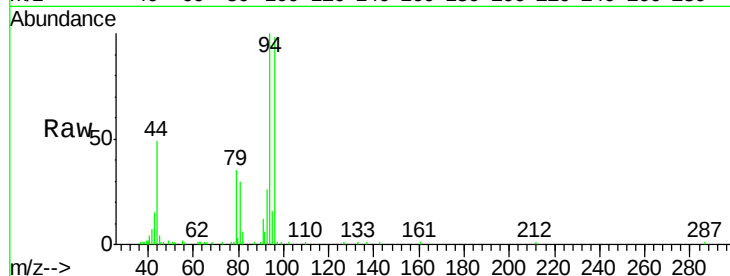
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 28797

Ion Ratio Lower Upper

94 100

96 97.6 74.2 111.2



#6

Chloroethane

Concen: 25.984 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059566.D

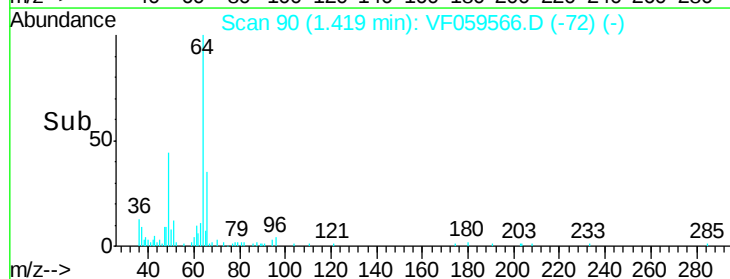
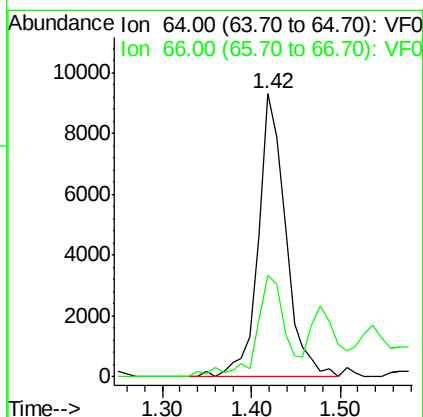
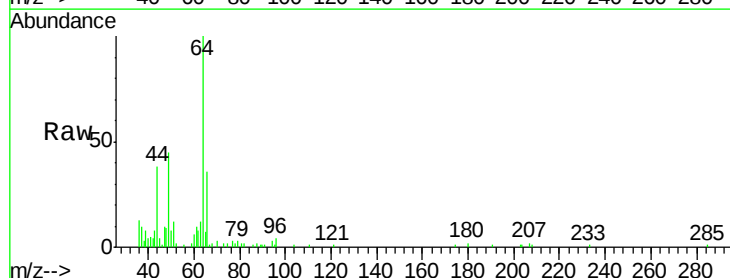
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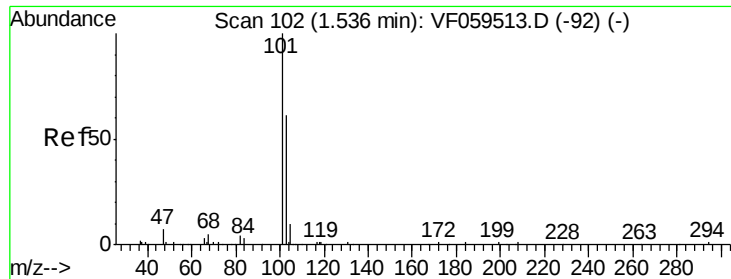
Tgt Ion: 64 Resp: 19677

Ion Ratio Lower Upper

64 100

66 35.9 22.9 34.3#



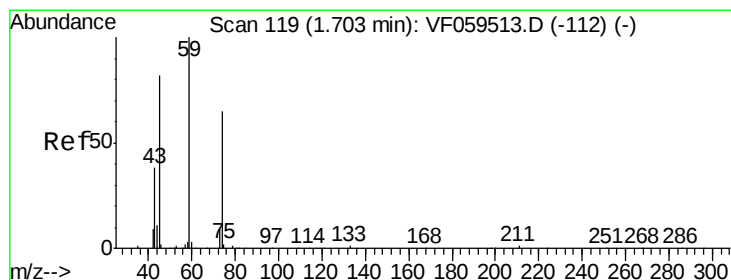
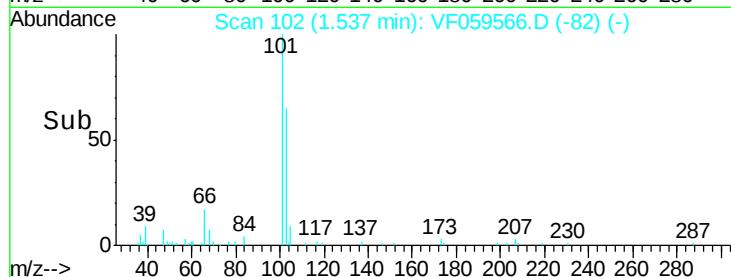
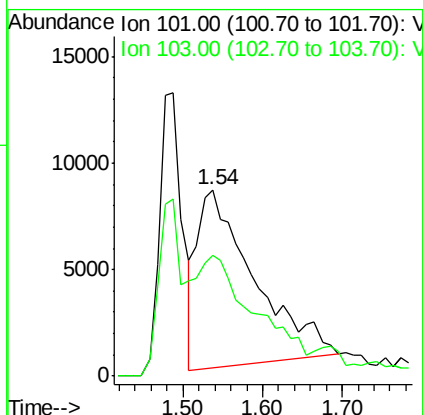
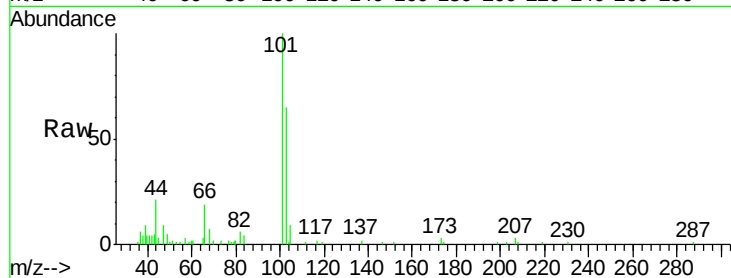


#7

Trichlorofluoromethane
 Concen: 11.168 ug/l
 RT: 1.54 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Instrument :
 MSVOA_F
 ClientSampleId :

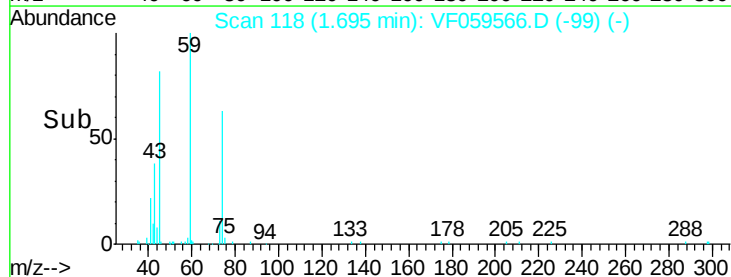
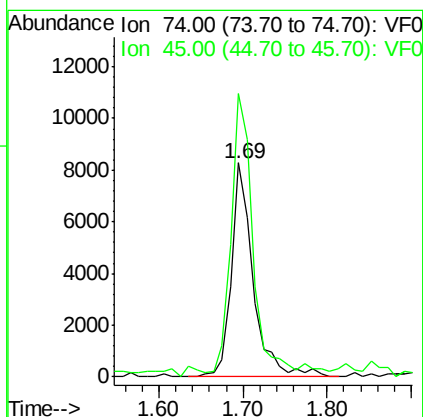
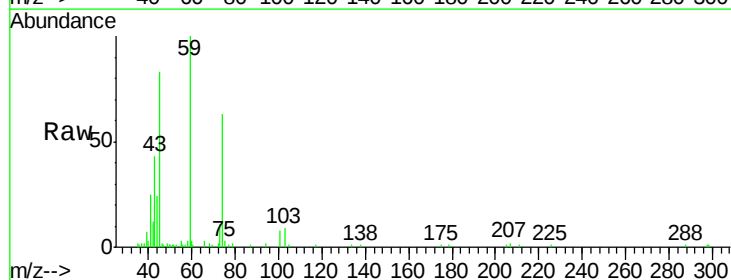
Tot Ion:101 Resp: 41047
 Ion Ratio Lower Upper
 101 100
 103 65.1 48.6 72.8

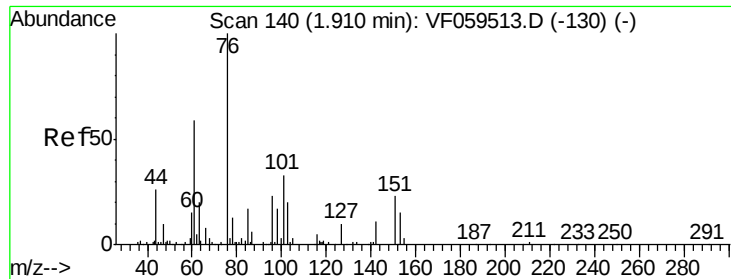


#8

Diethyl Ether
 Concen: 21.135 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion: 74 Resp: 14948
 Ion Ratio Lower Upper
 74 100
 45 132.5 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 29.593 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059566.D

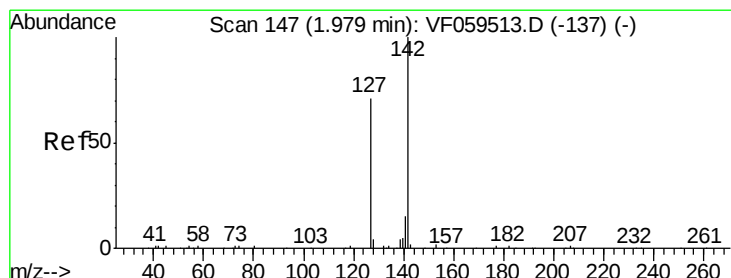
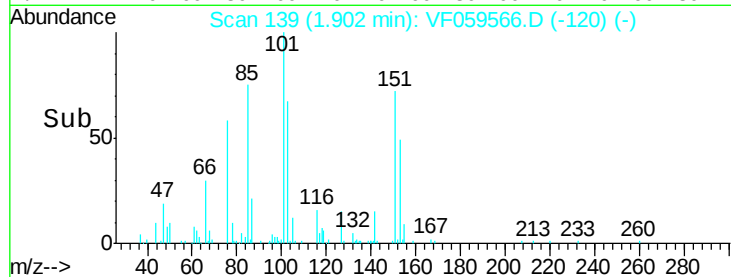
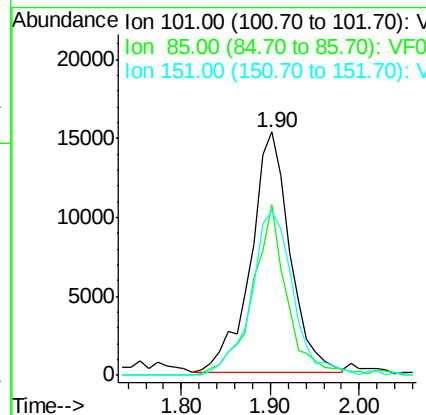
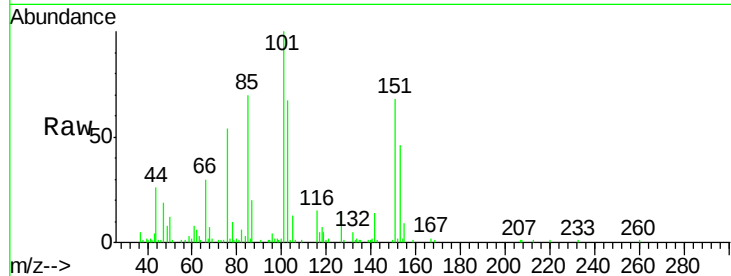
Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
101	100		
85	69.8	39.8	59.6#
151	67.7	54.2	81.2



#10

Methyl Iodide

Concen: 31.291 ug/l

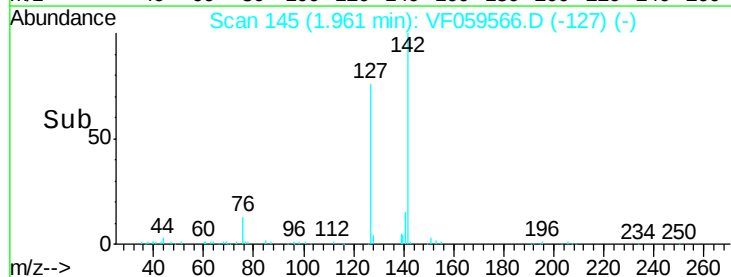
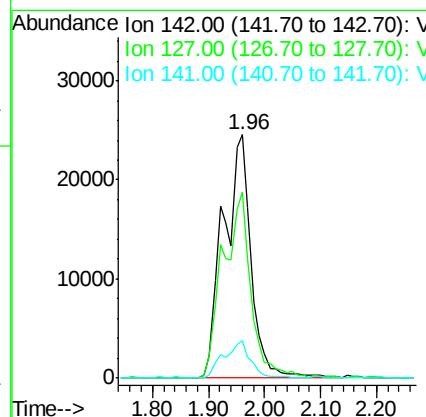
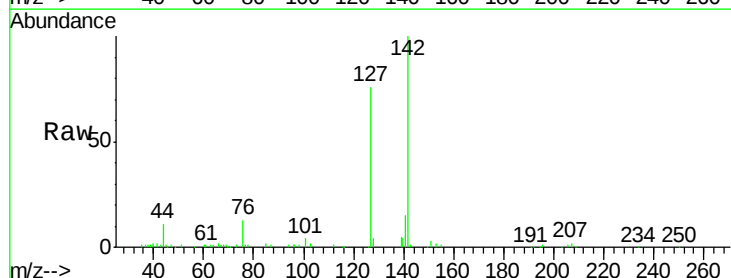
RT: 1.96 min Scan# 145

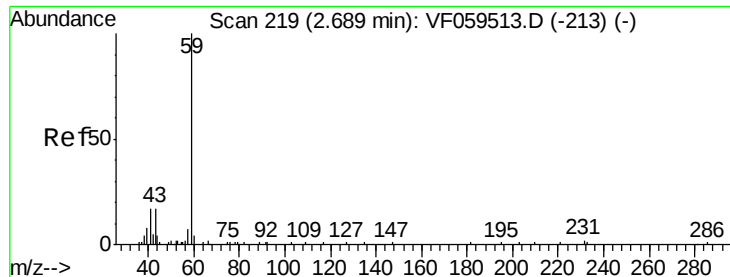
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
142	100		
127	76.5	56.4	84.6
141	15.3	12.0	18.0

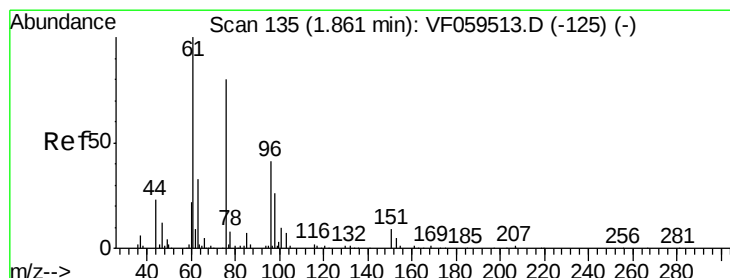
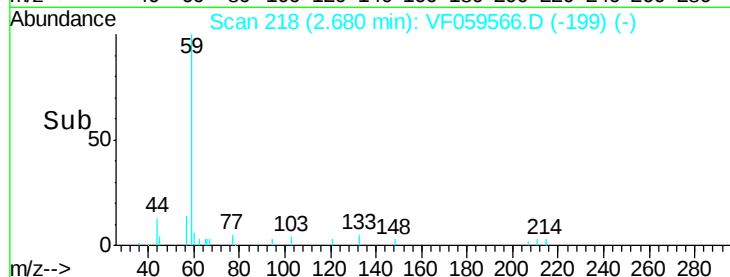
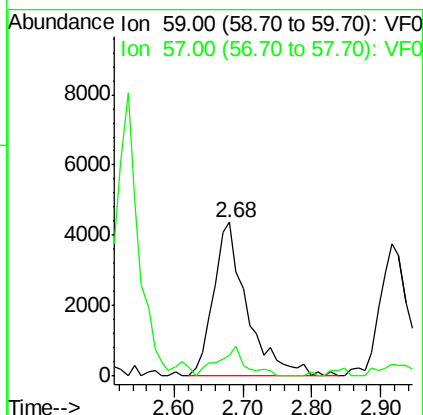
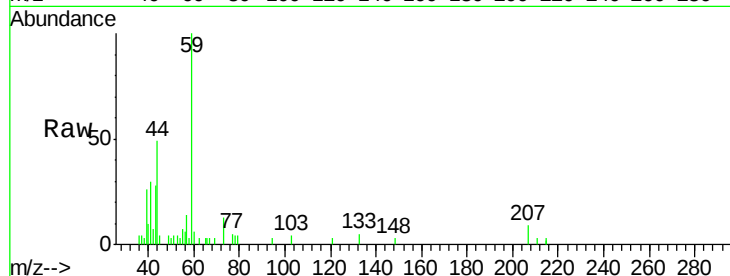




#11
Tert butyl alcohol
Concen: 93.732 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

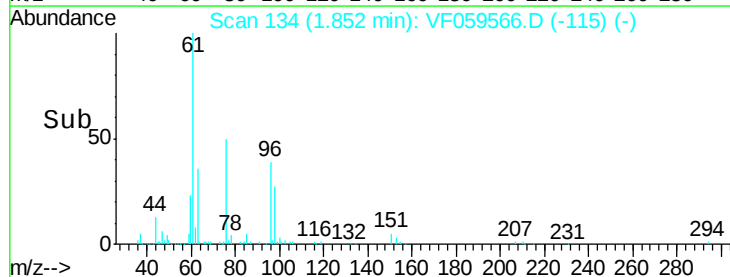
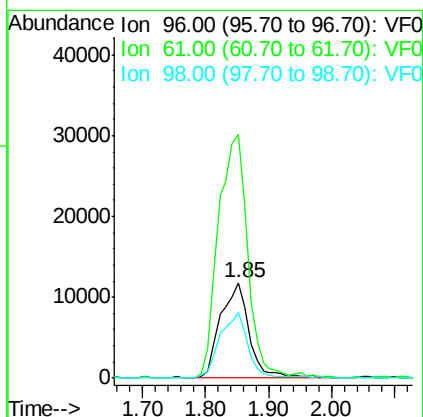
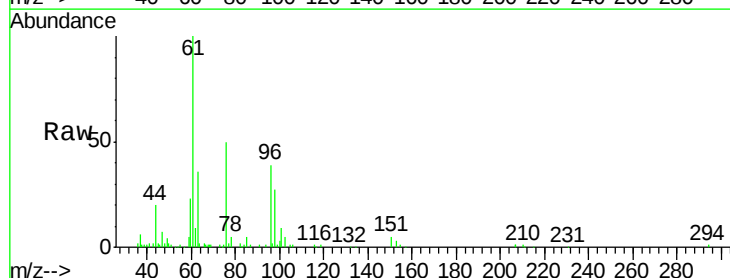
Instrument :
MSVOA_F
ClientSampled :

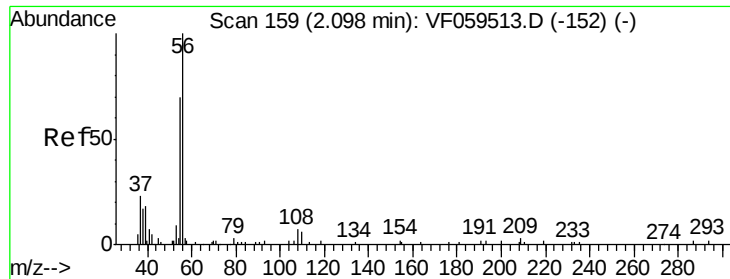
Tot Ion: 59 Resp: 14822
Ion Ratio Lower Upper
59 100
57 13.8 7.7 11.5#



#12
1,1-Dichloroethene
Concen: 22.809 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion: 96 Resp: 37650
Ion Ratio Lower Upper
96 100
61 254.9 194.3 291.5
98 69.3 50.3 75.5

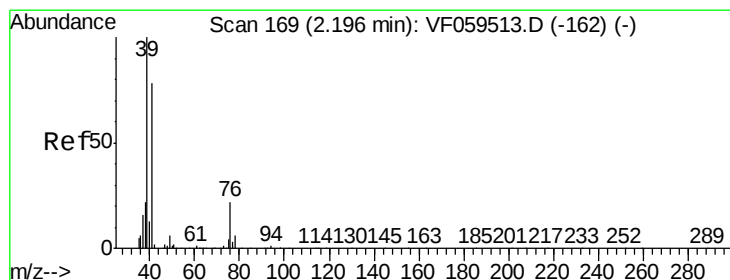
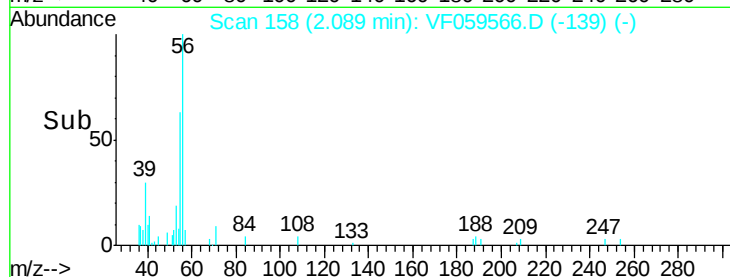
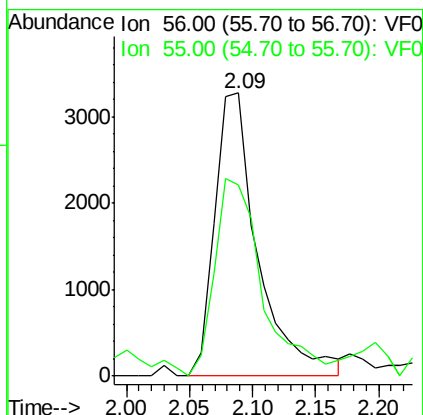
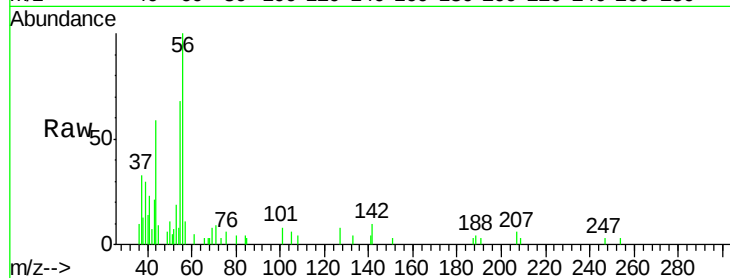




#13
Acrolein
Concen: 96.202 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

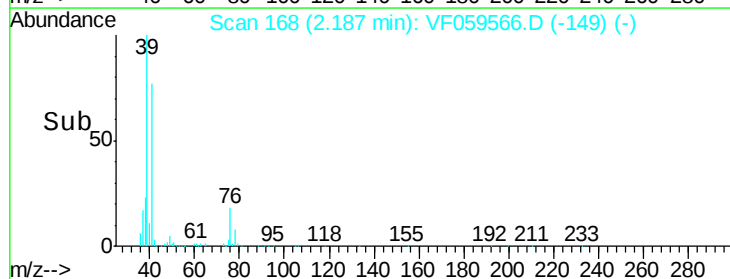
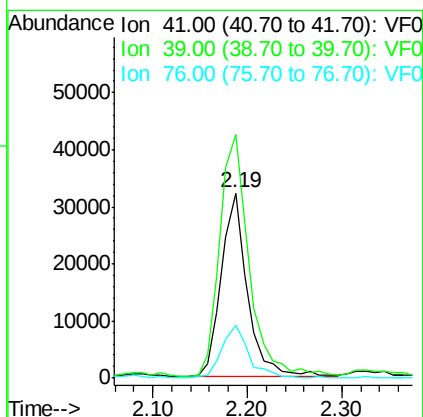
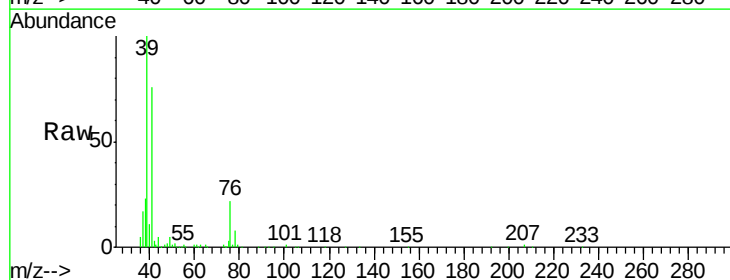
Instrument :
MSVOA_F
ClientSampleId :

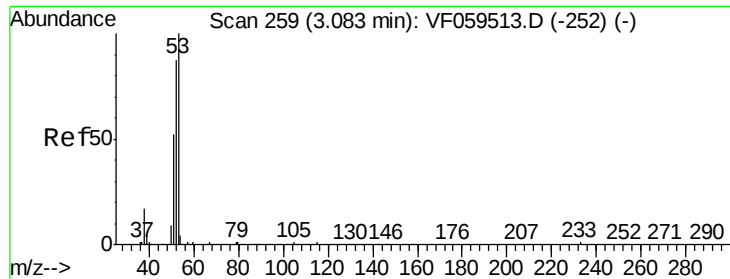
Tot Ion: 56 Resp: 7852
Ion Ratio Lower Upper
56 100
55 67.7 59.4 89.2



#14
Allyl chloride
Concen: 30.150 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion: 41 Resp: 62110
Ion Ratio Lower Upper
41 100
39 131.6 103.0 154.4
76 28.9 22.6 34.0





#15

Acrylonitrile

Concen: 97.813 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

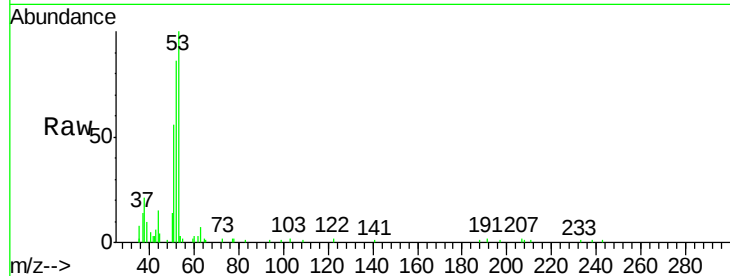
Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 28179

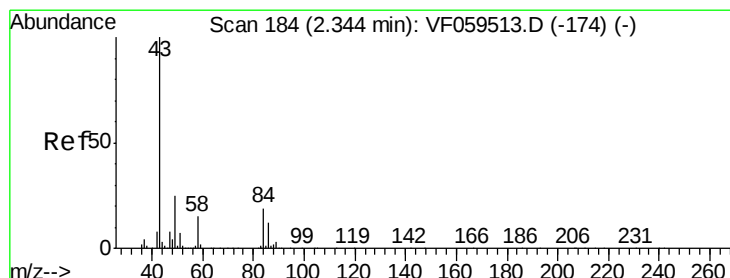
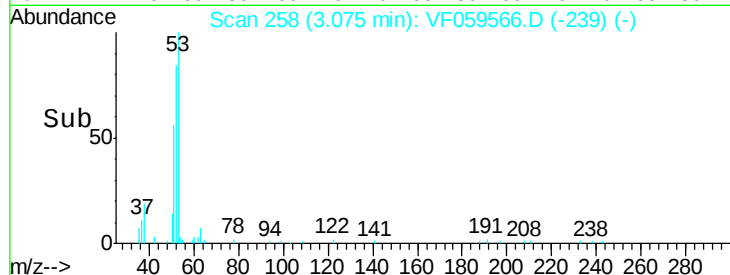
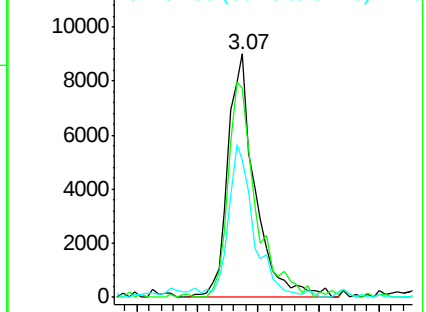
Ion	Ratio	Lower	Upper
53	100		
52	85.6	70.1	105.1
51	56.2	42.5	63.7



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: 103.548 ug/l

RT: 2.33 min Scan# 182

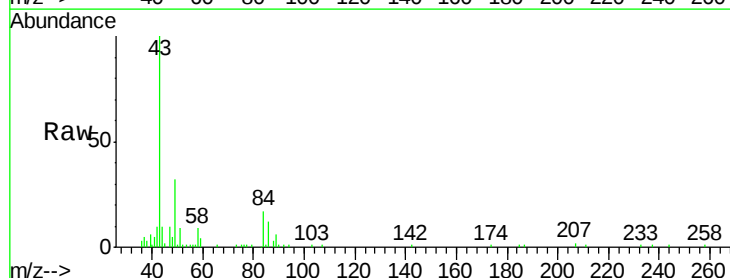
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

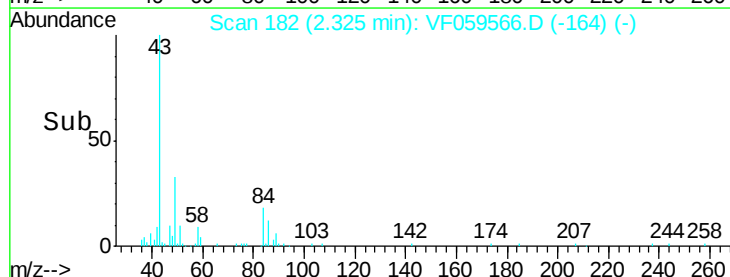
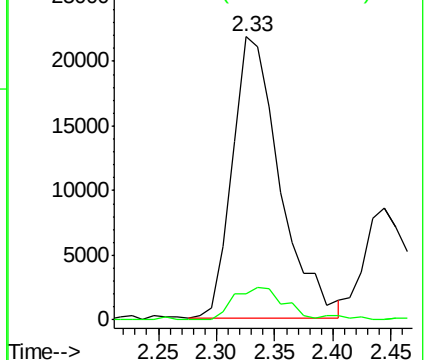
Tgt Ion: 43 Resp: 61387

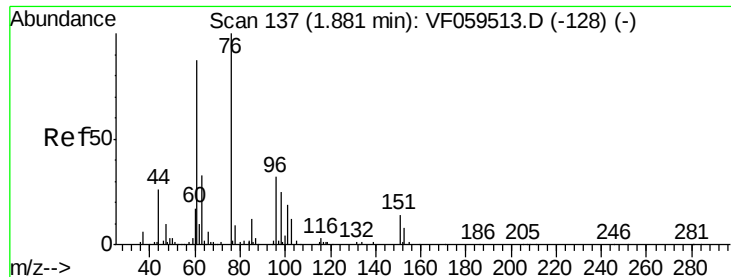
Ion	Ratio	Lower	Upper
43	100		
58	9.3	11.8	17.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 8.297 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.05 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

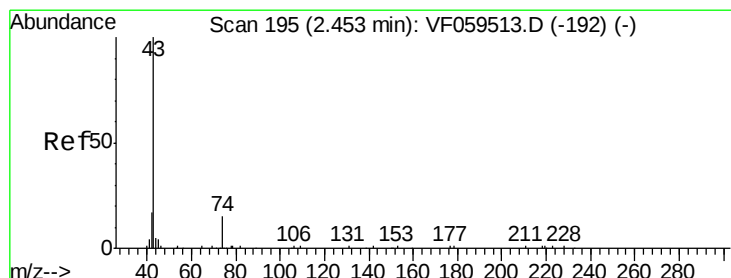
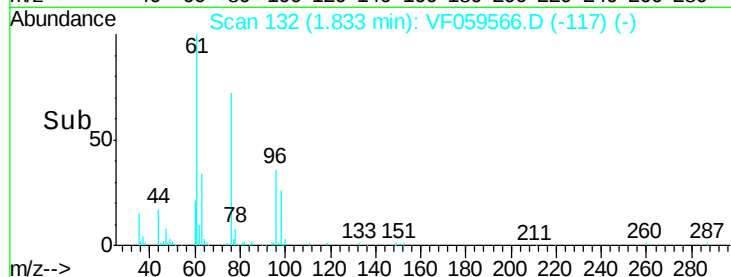
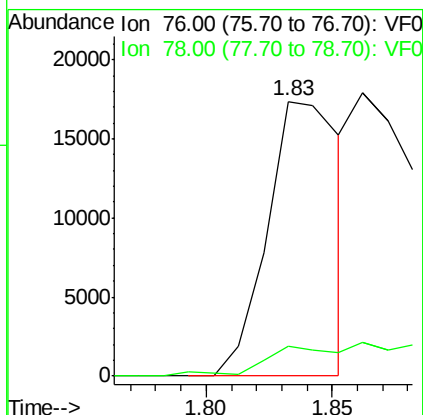
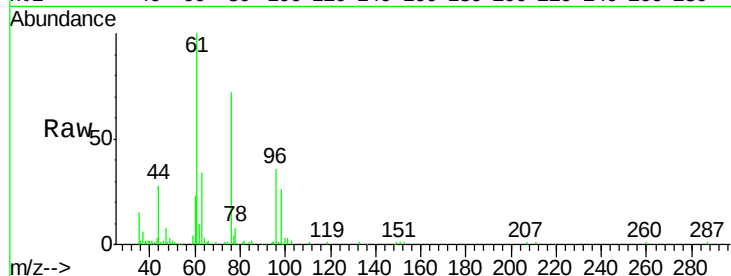
ClientSampleId :

Tot Ion: 76 Resp: 35094

Ion Ratio Lower Upper

76 100

78 11.0 7.8 11.6



#18

Methyl Acetate

Concen: 18.394 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059566.D

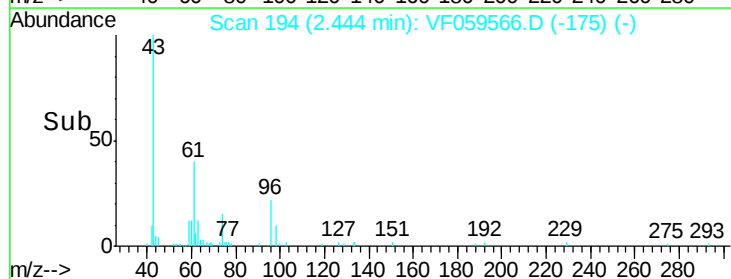
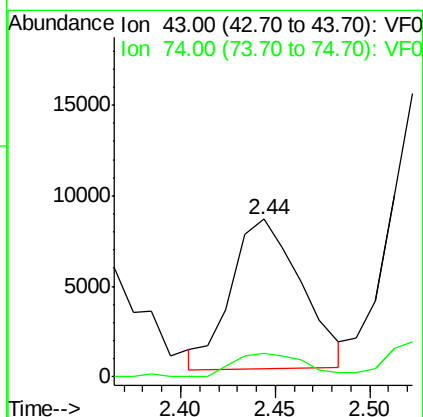
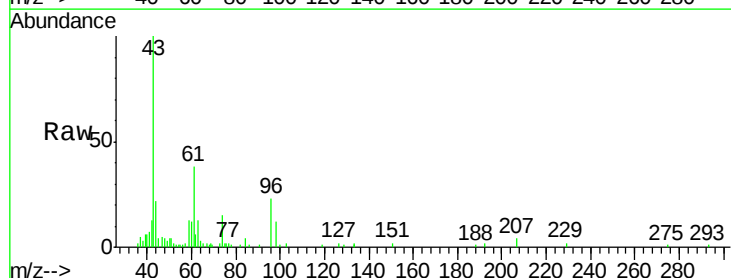
Acq: 19 Jul 2018 20:29

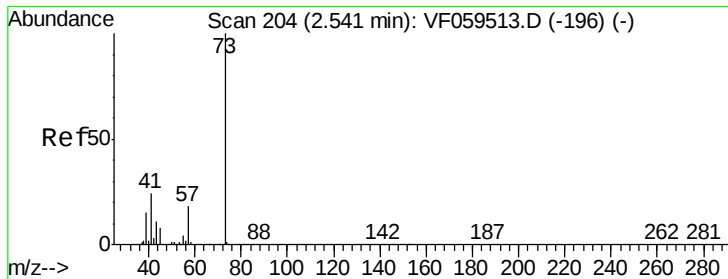
Tgt Ion: 43 Resp: 21295

Ion Ratio Lower Upper

43 100

74 14.8 10.6 15.8



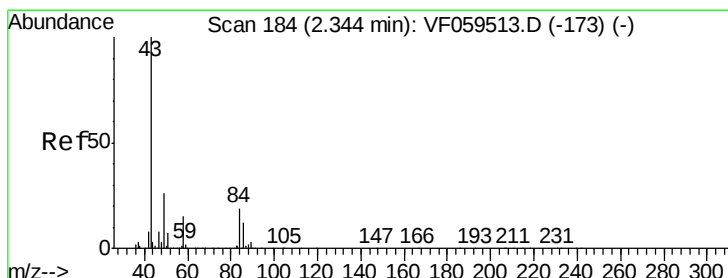
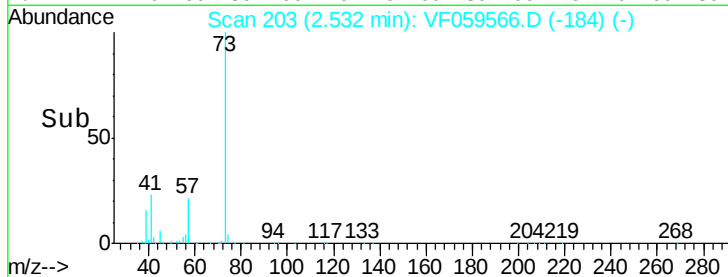
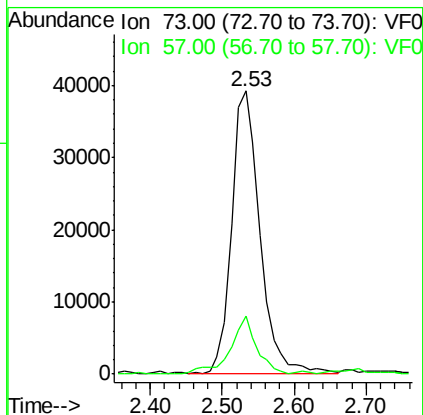
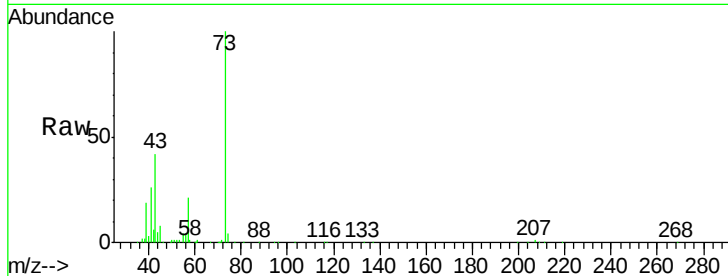


#19

Methyl tert-butyl Ether
 Concen: 20.847 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Instrument :
 MSVOA_F
 ClientSampleId :

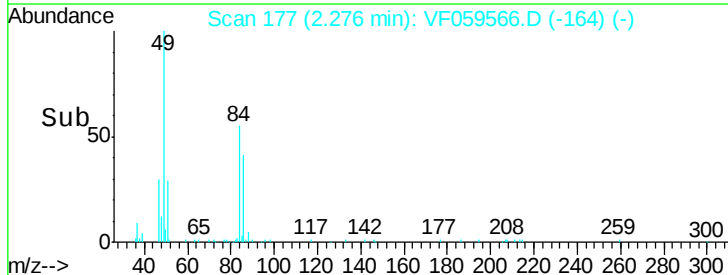
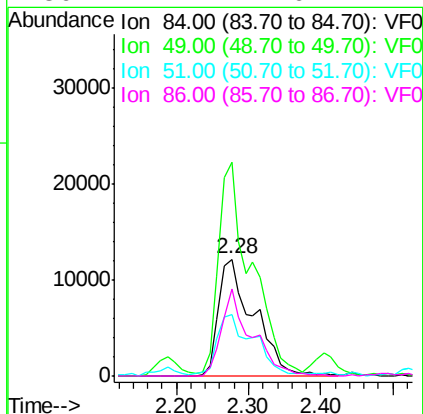
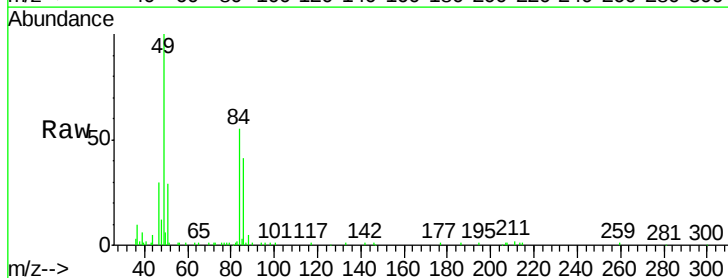
Tot Ion: 73 Resp: 107950
 Ion Ratio Lower Upper
 73 100
 57 20.5 14.3 21.5

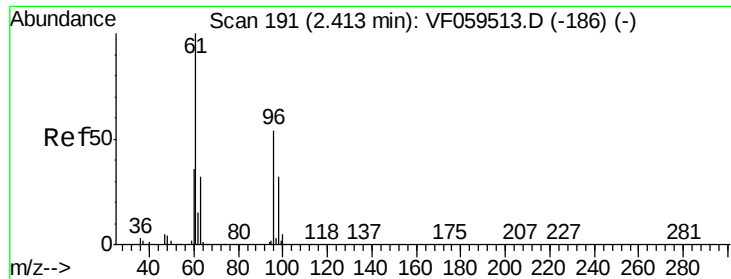


#20

Methylene Chloride
 Concen: 24.290 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.07 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion: 84 Resp: 41280
 Ion Ratio Lower Upper
 84 100
 49 183.1 109.4 164.2#
 51 54.7 30.5 45.7#
 86 74.4 47.6 71.4#





#21

trans-1,2-Dichloroethene

Concen: 24.757 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :

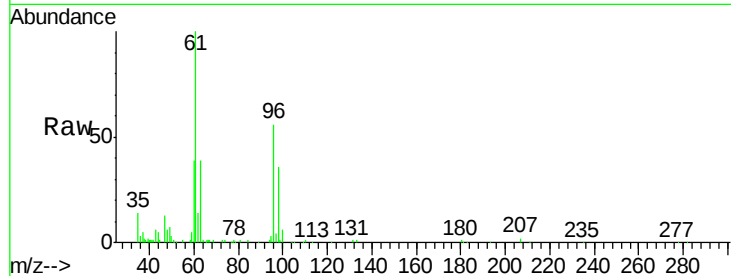
Tot Ion: 96 Resp: 37785

Ion Ratio Lower Upper

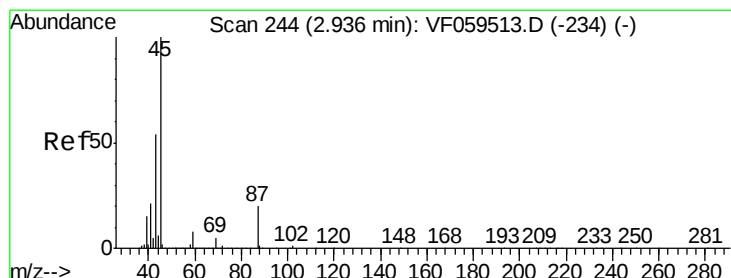
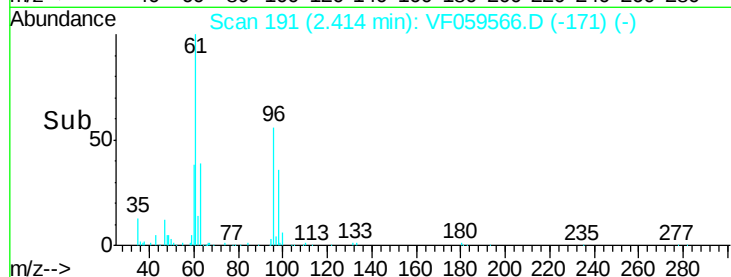
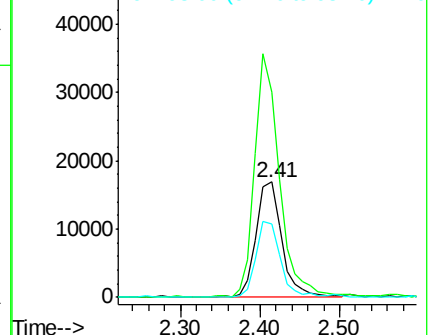
96 100

61 177.2 149.8 224.8

98 63.3 47.8 71.8



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 20.971 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion: 45 Resp: 121412

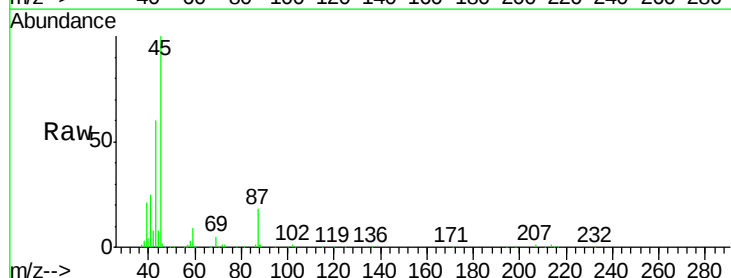
Ion Ratio Lower Upper

45 100

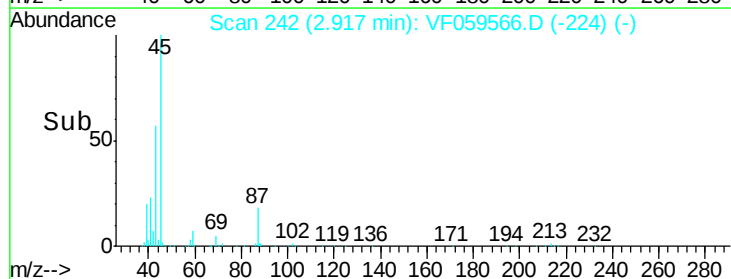
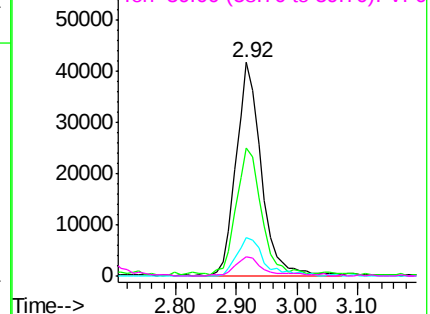
43 59.8 43.6 65.4

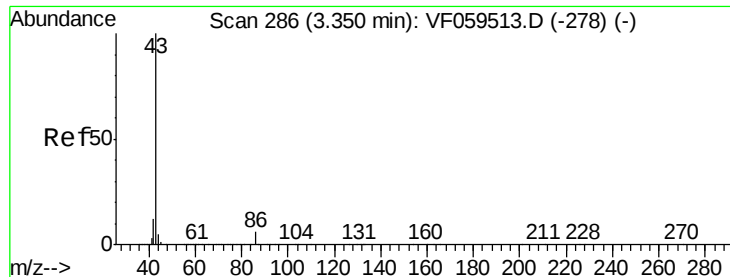
87 17.7 15.6 23.4

59 9.0 6.4 9.6



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 103.477 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.03 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

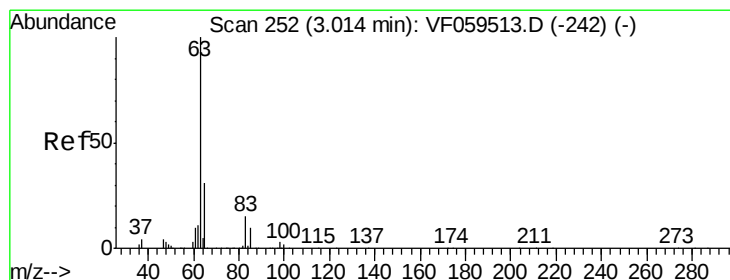
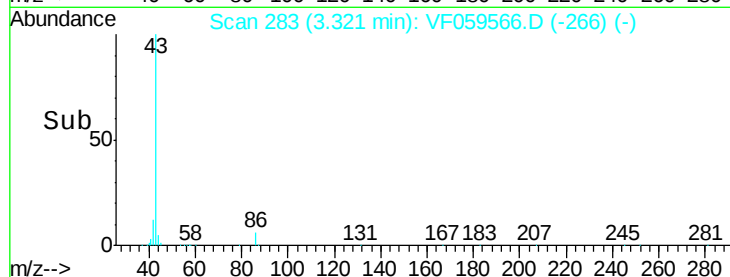
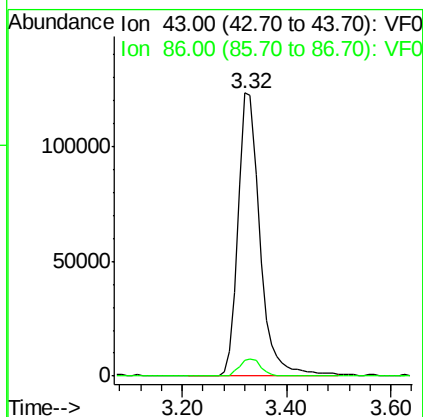
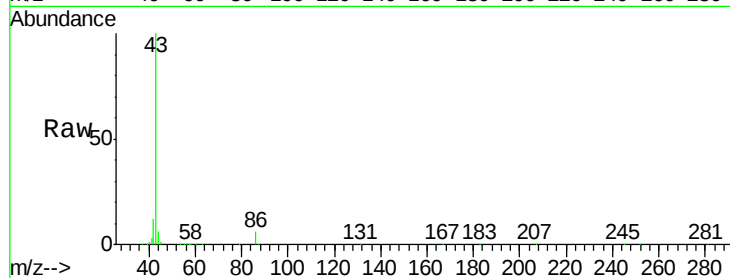
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 350081

Ion Ratio Lower Upper

43 100

86 5.7 4.4 6.6



#24

1,1-Dichloroethane

Concen: 25.345 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

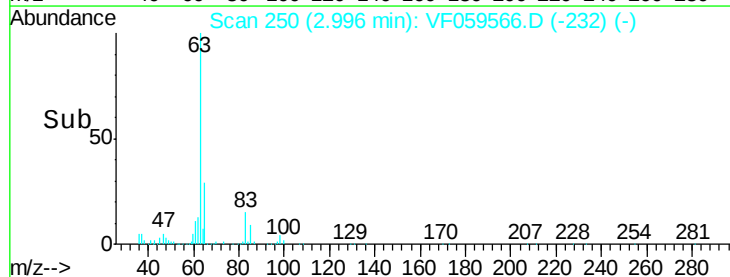
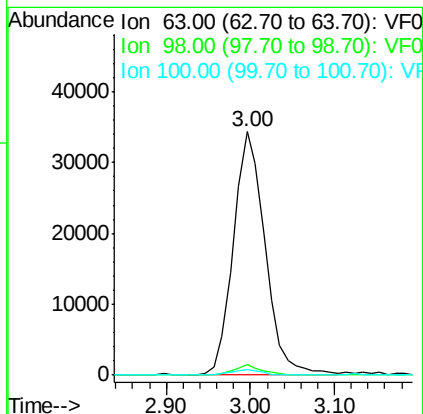
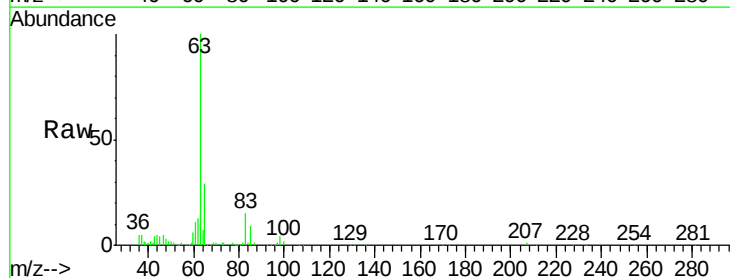
Tgt Ion: 63 Resp: 90619

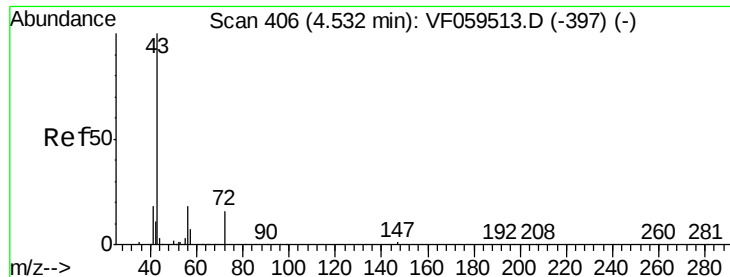
Ion Ratio Lower Upper

63 100

98 4.2 1.8 5.4

100 2.0 1.3 3.8





#25

2-Butanone

Concen: 86.740 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

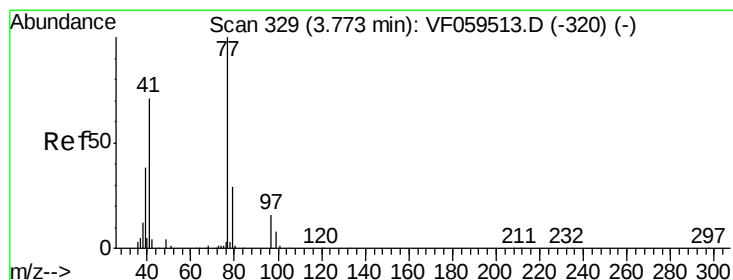
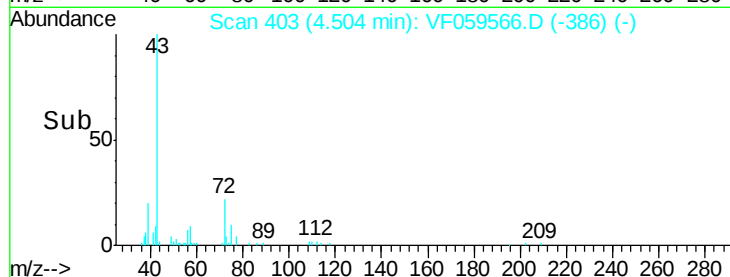
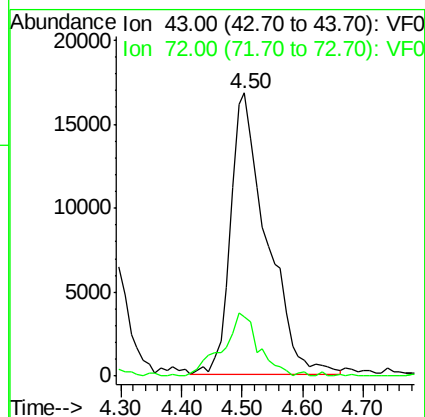
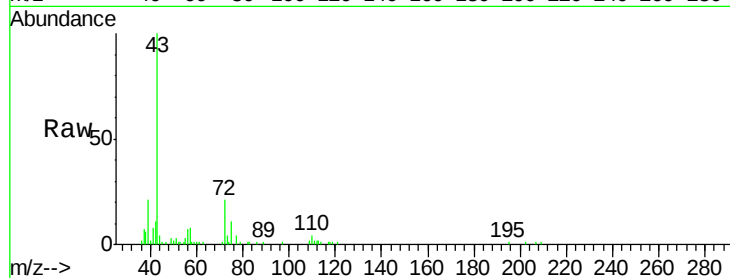
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 69150

Ion Ratio Lower Upper

43 100

72 21.2 14.2 21.4



#26

2,2-Dichloropropane

Concen: 28.455 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF059566.D

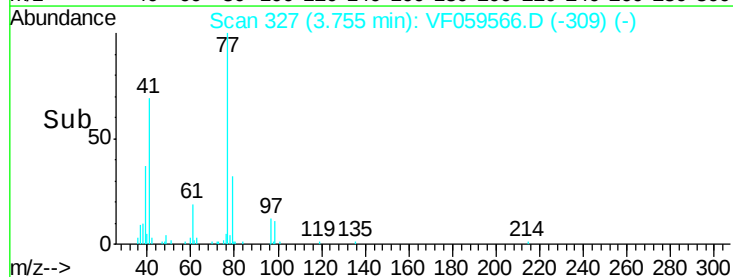
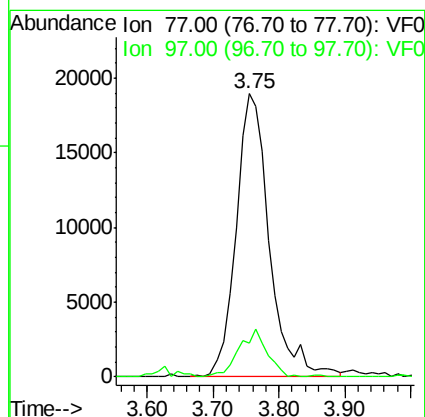
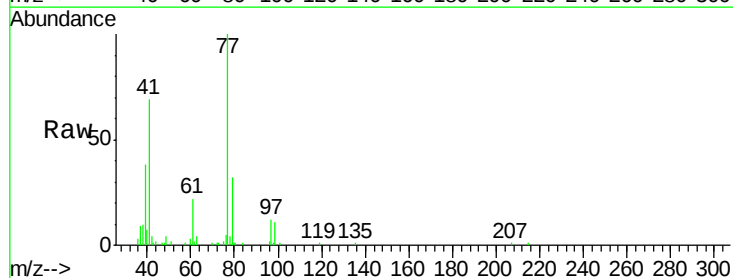
Acq: 19 Jul 2018 20:29

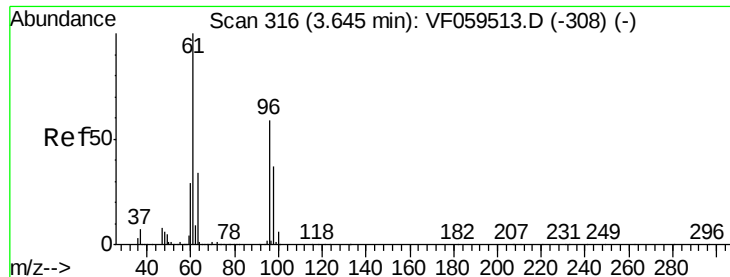
Tgt Ion: 77 Resp: 67307

Ion Ratio Lower Upper

77 100

97 12.0 8.1 24.3



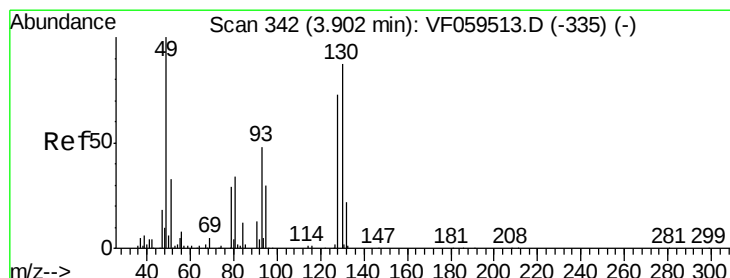
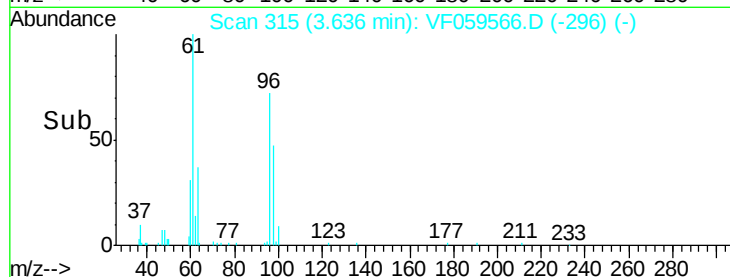
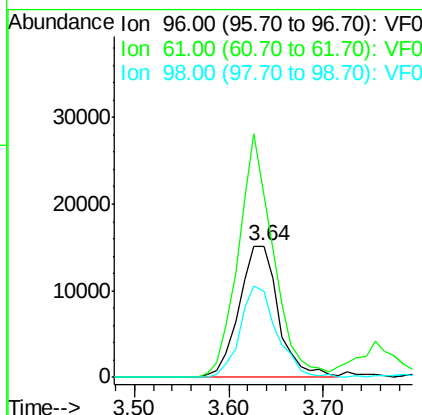
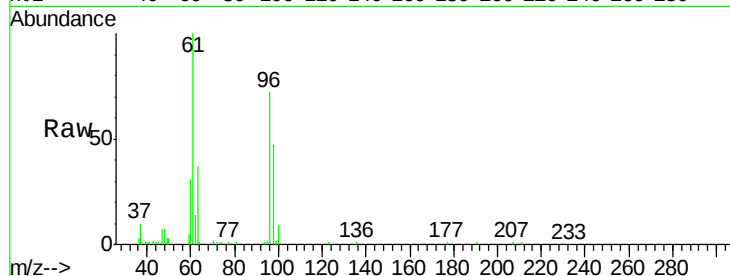


#27

cis-1,2-Dichloroethene
 Concen: 24.793 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Instrument :
 MSVOA_F
 ClientSampleId :

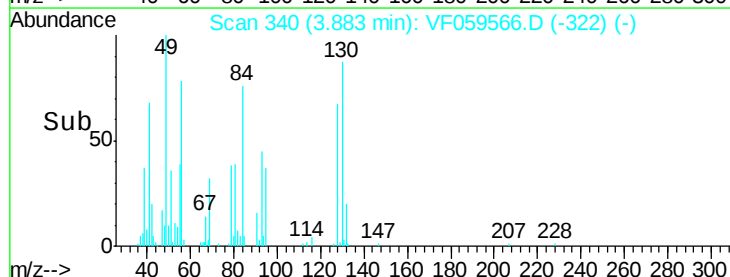
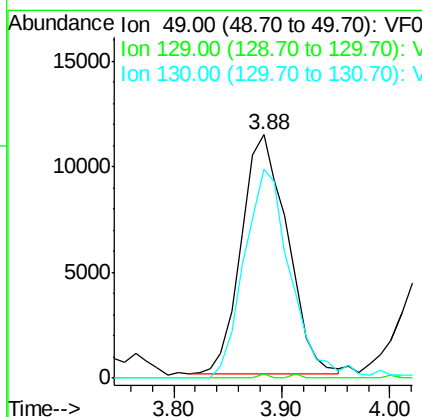
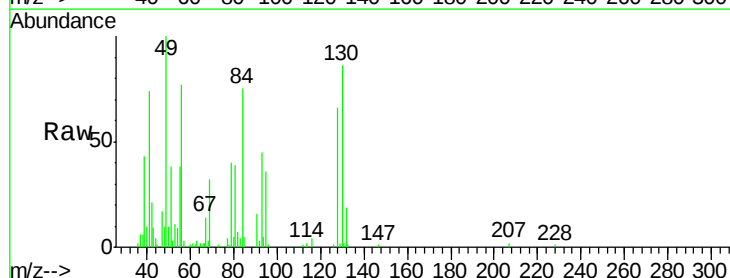
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	339.0
98	65.6	0.0	125.4

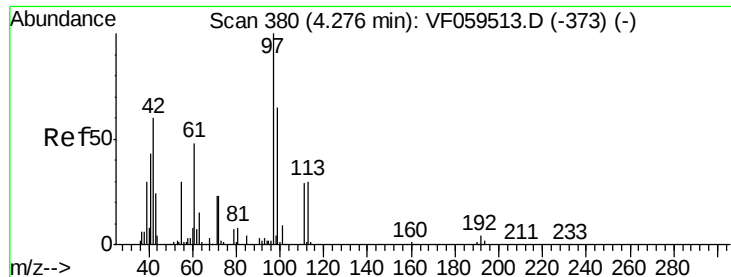


#28

Bromochloromethane
 Concen: 21.290 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. -0.02 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	0.0#
130	88.4	69.8	104.6





#29

Tetrahydrofuran

Concen: 83.569 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.03 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

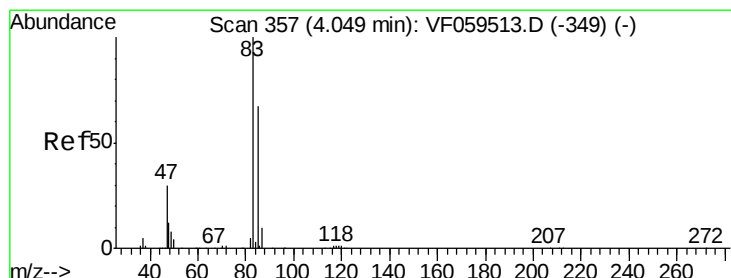
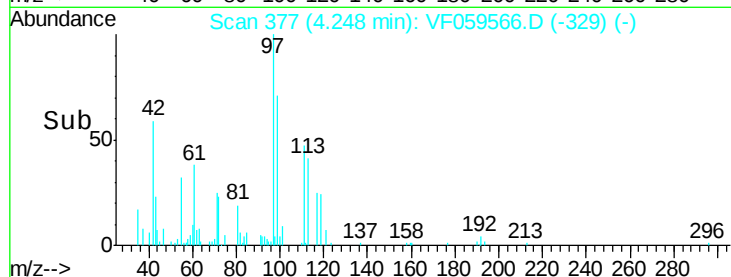
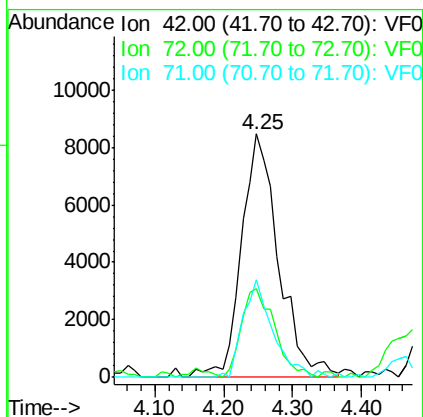
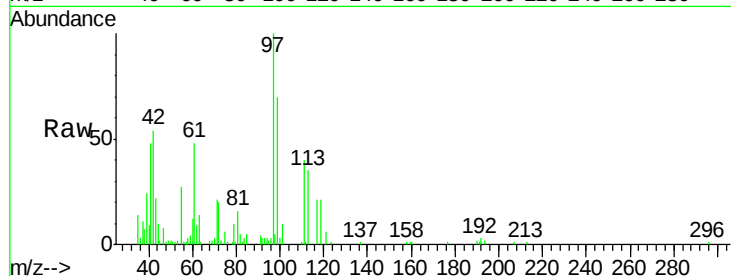
Tot Ion: 42 Resp: 31732

Ion Ratio Lower Upper

42 100

72 32.6 28.7 43.1

71 32.4 30.8 46.2



#30

Chloroform

Concen: 23.641 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF059566.D

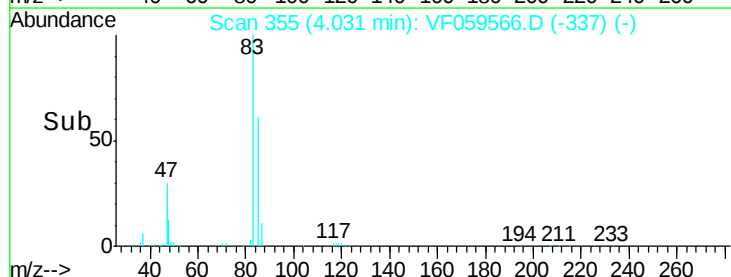
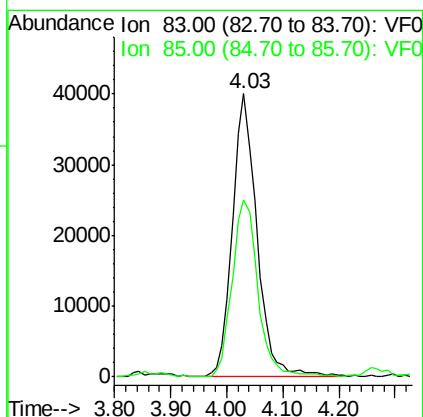
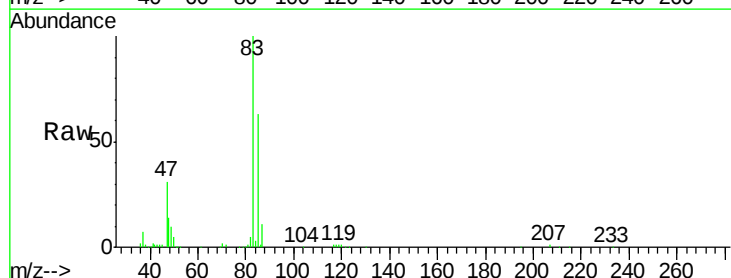
Acq: 19 Jul 2018 20:29

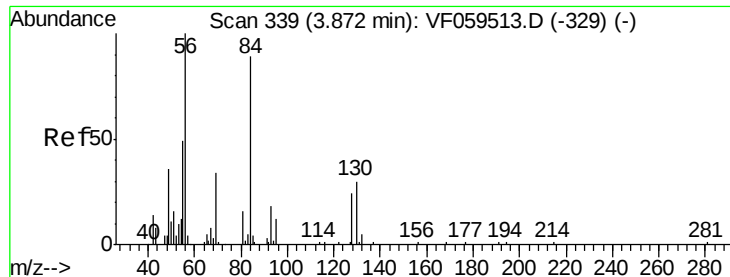
Tgt Ion: 83 Resp: 122107

Ion Ratio Lower Upper

83 100

85 62.8 53.2 79.8





#31

Cyclohexane

Concen: 25.647 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :

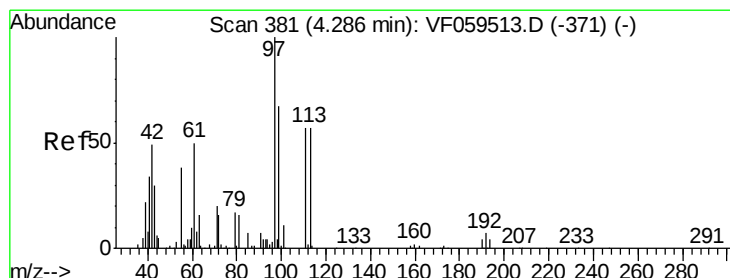
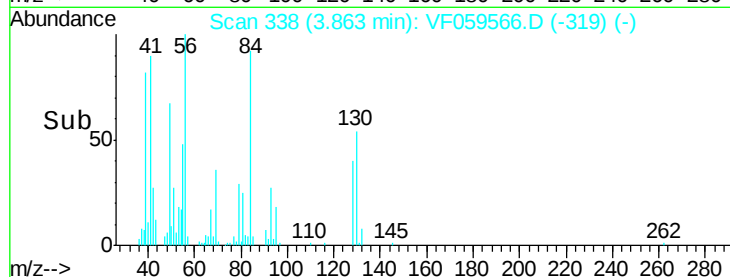
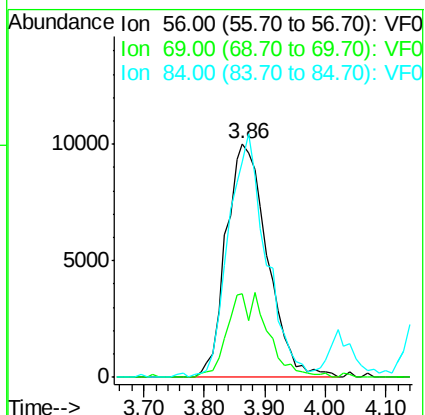
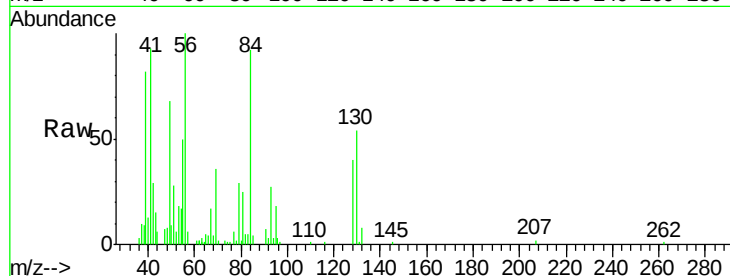
Tot Ion: 56 Resp: 47498

Ion Ratio Lower Upper

56 100

69 35.8 27.6 41.4

84 92.2 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 31.361 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

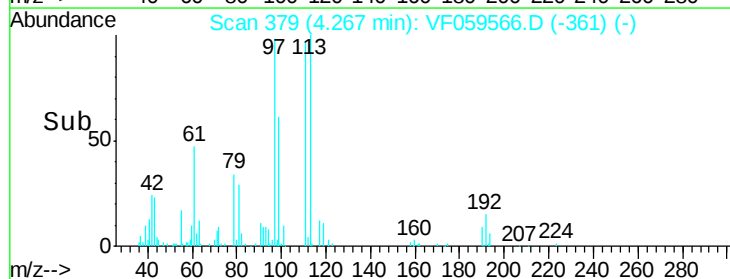
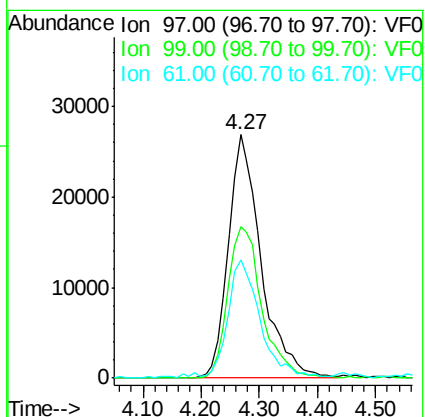
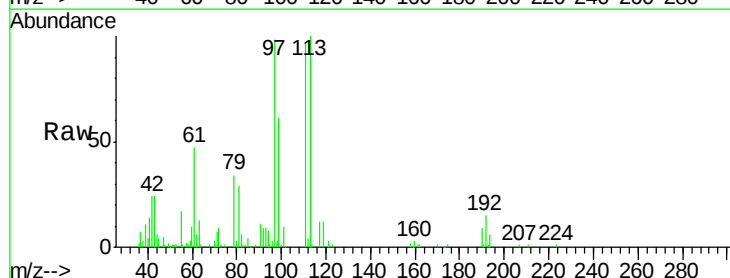
Tgt Ion: 97 Resp: 105263

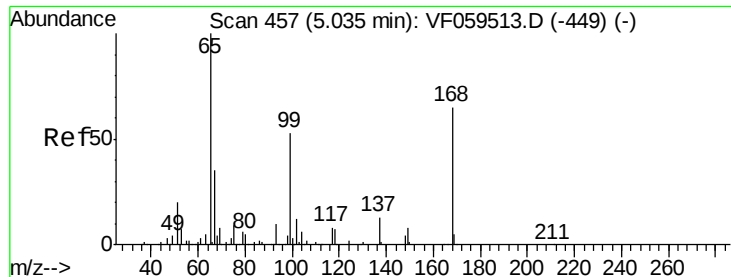
Ion Ratio Lower Upper

97 100

99 62.2 53.5 80.3

61 48.3 39.7 59.5





#33

1,2-Dichloroethane-d4

Concen: 54.163 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

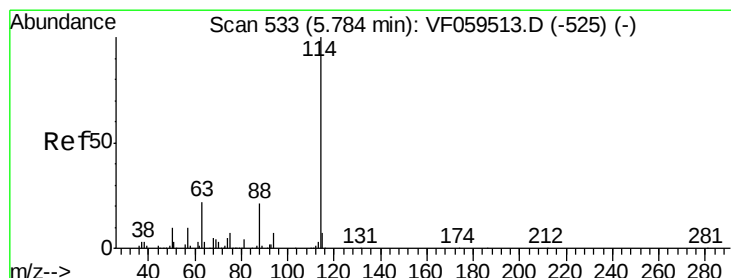
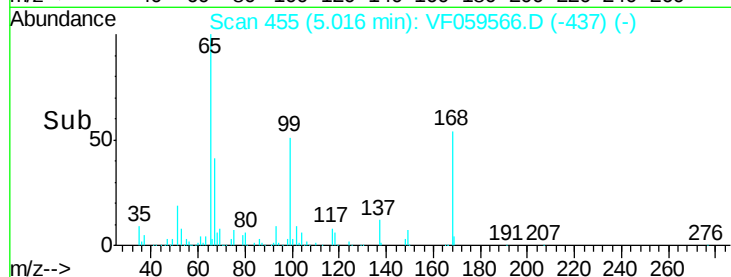
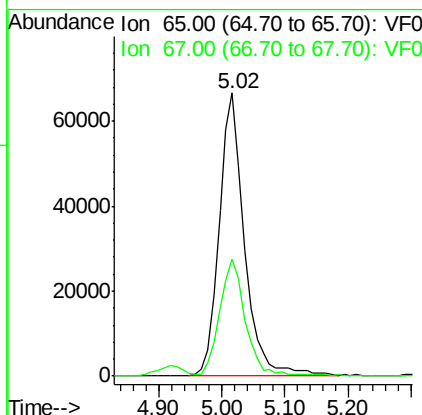
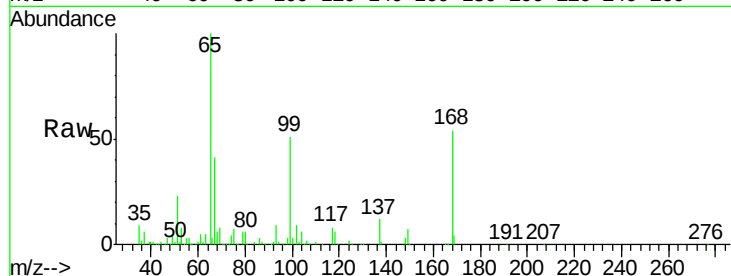
ClientSampleId :

Tot Ion: 65 Resp: 185981

Ion Ratio Lower Upper

65 100

67 41.4 0.0 91.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

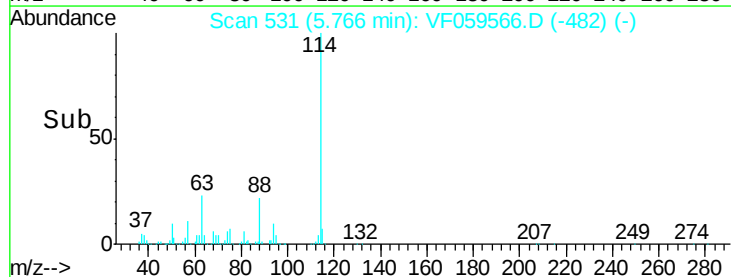
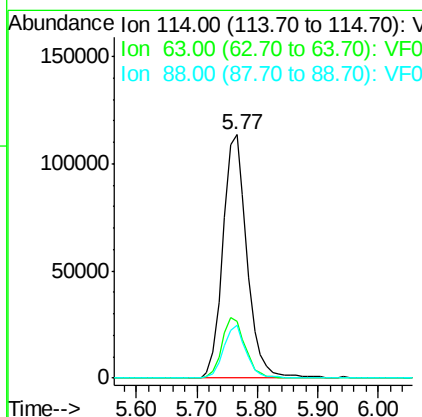
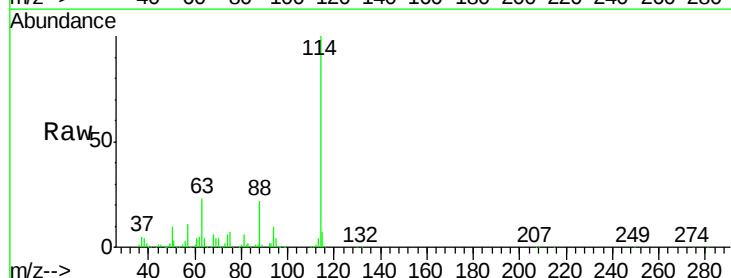
Tgt Ion: 114 Resp: 314866

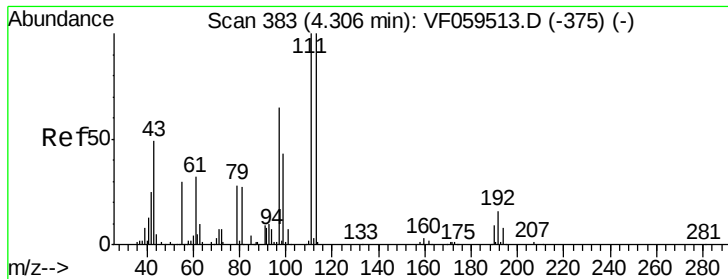
Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.8

88 21.7 0.0 42.6





#35

Dibromofluoromethane

Concen: 54.968 ug/l

RT: 4.29 min Scan# 381

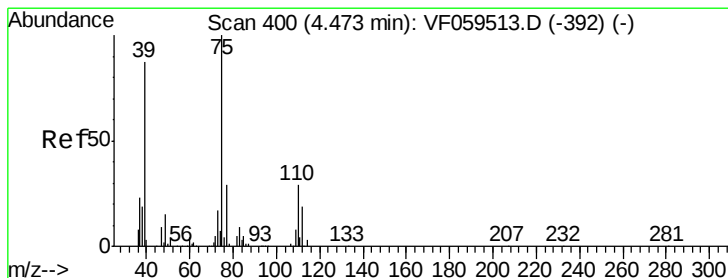
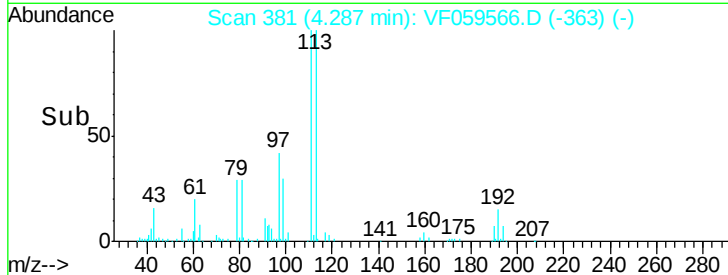
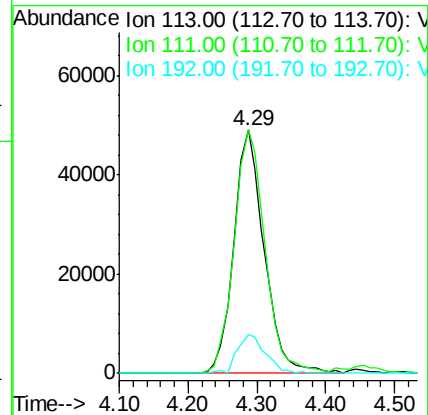
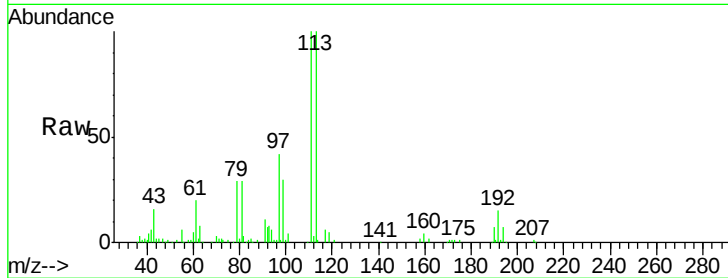
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	80.3	120.5
192	15.9	13.1	19.7



#36

1,1-Dichloropropene

Concen: 23.498 ug/l

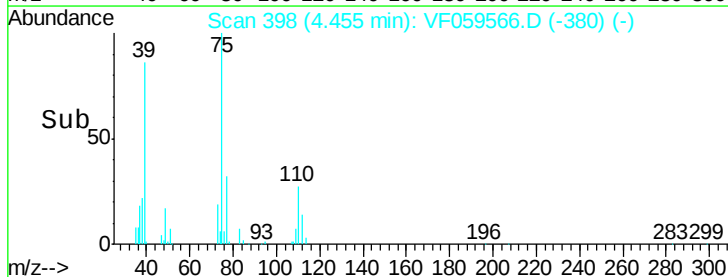
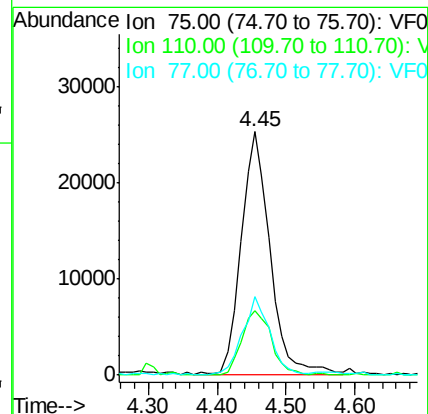
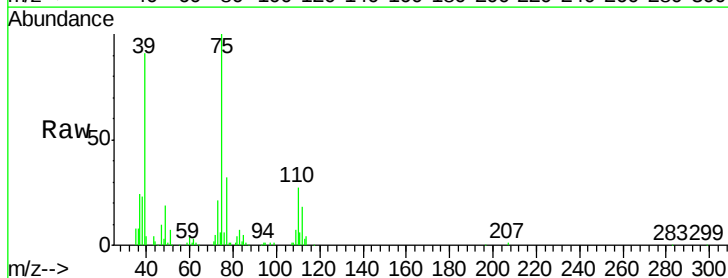
RT: 4.45 min Scan# 398

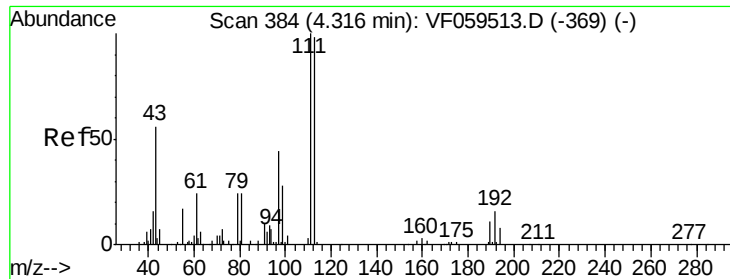
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	26.6	14.6	43.8
77	32.3	23.7	35.5

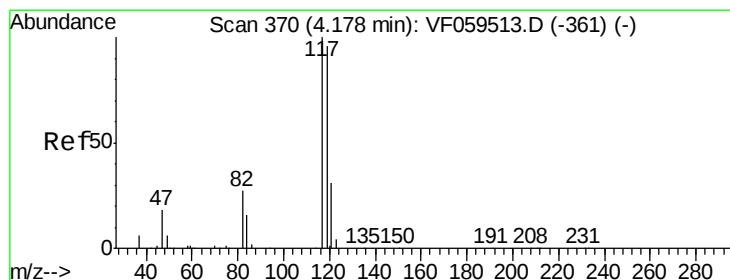
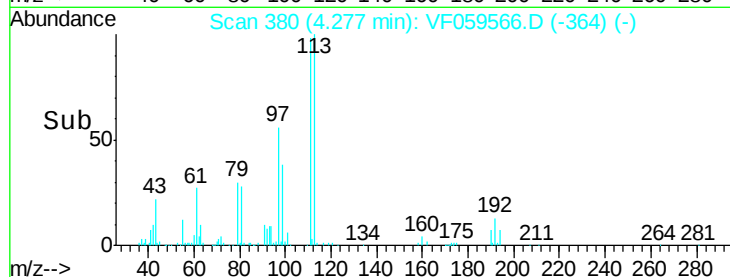
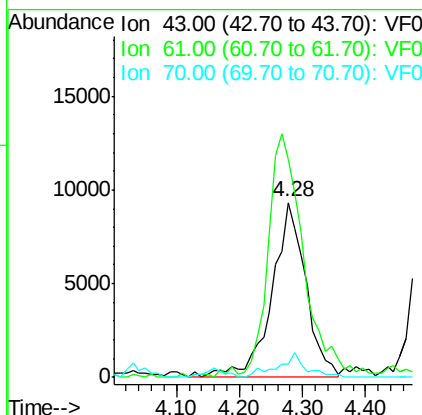
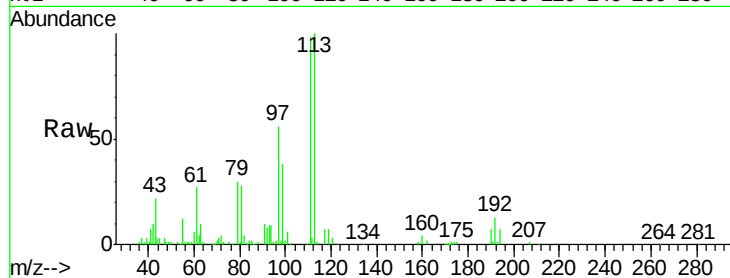




#37
Ethyl Acetate
Concen: 16.712 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.04 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

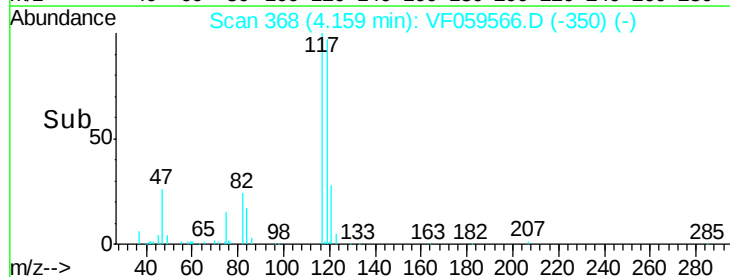
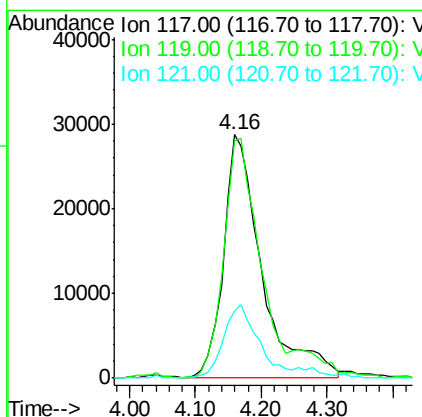
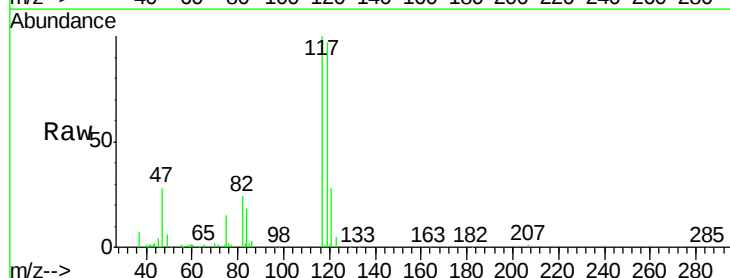
Instrument :
MSVOA_F
ClientSampleId :

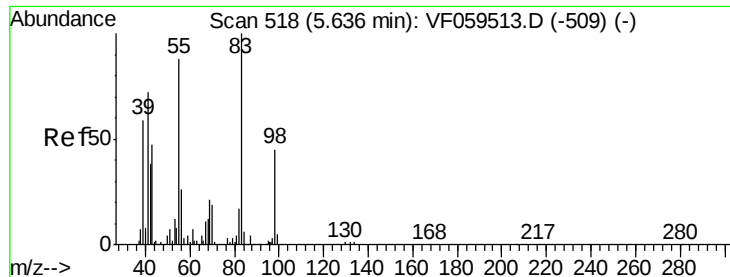
Tot Ion: 43 Resp: 34855
Ion Ratio Lower Upper
43 100
61 124.8 33.7 50.5#
70 7.9 7.4 11.0



#38
Carbon Tetrachloride
Concen: 32.480 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion: 117 Resp: 117305
Ion Ratio Lower Upper
117 100
119 97.2 77.6 116.4
121 27.6 24.9 37.3

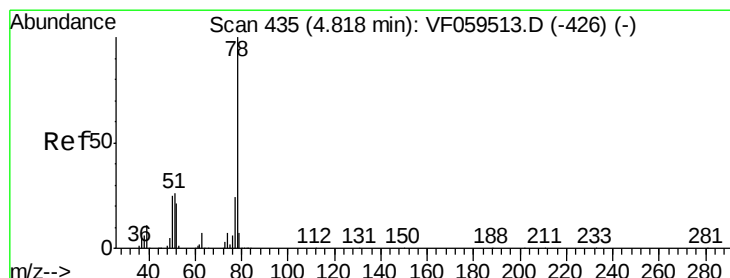
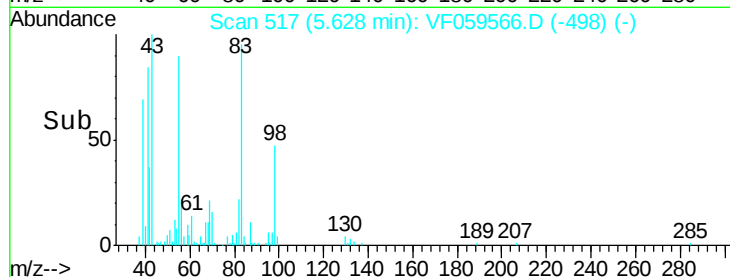
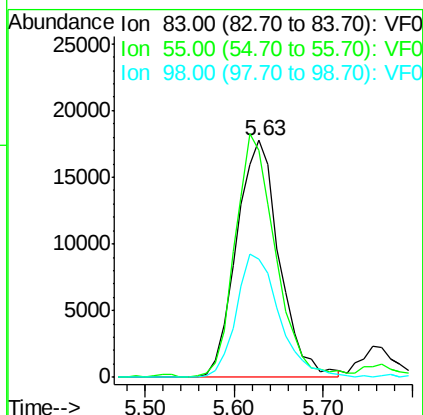
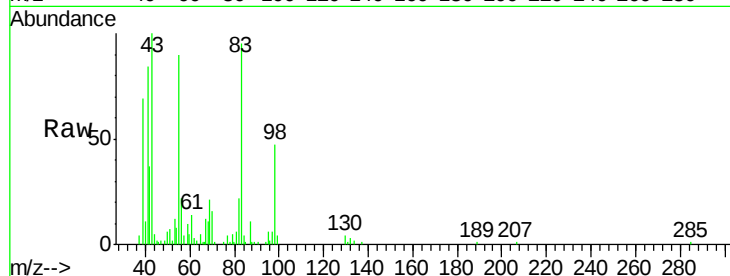




#39
Methvlcvclohexane
Concen: 24.757 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

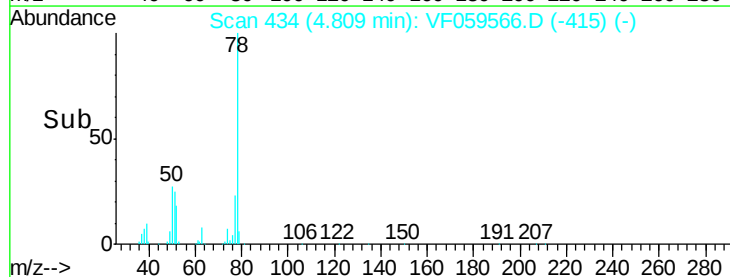
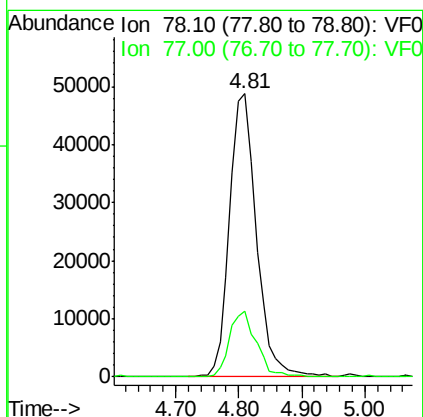
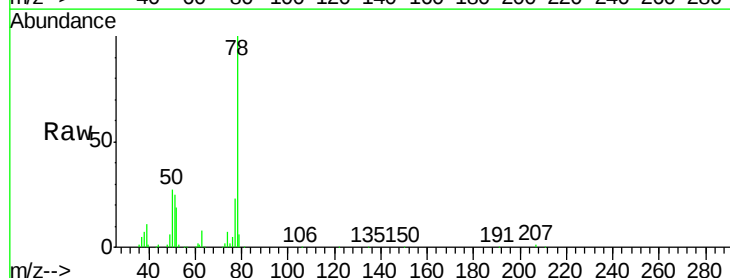
Instrument :
MSVOA_F
ClientSampled :

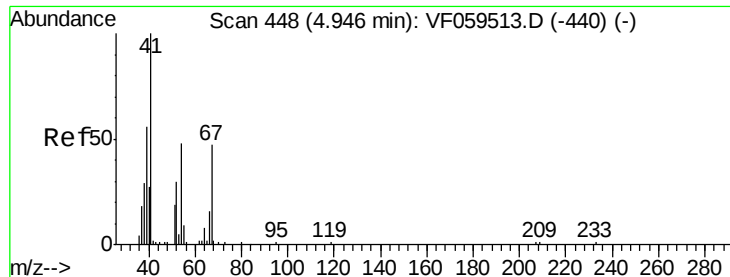
Tot Ion	83	Resp	59213
Ion	Ratio	Lower	Upper
83	100		
55	95.5	70.2	105.4
98	49.7	36.2	54.2



#40
Benzene
Concen: 23.541 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion	78	Resp	143935
Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.4	29.0

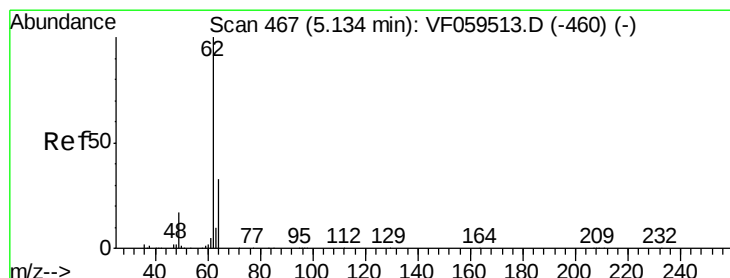
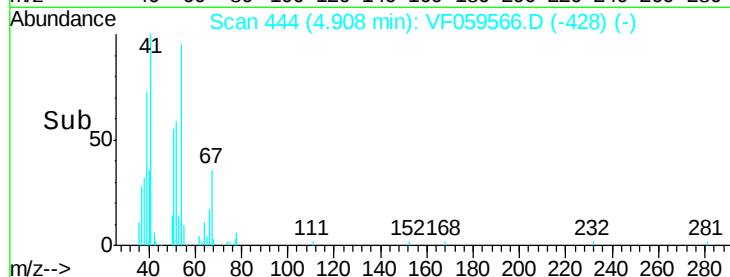
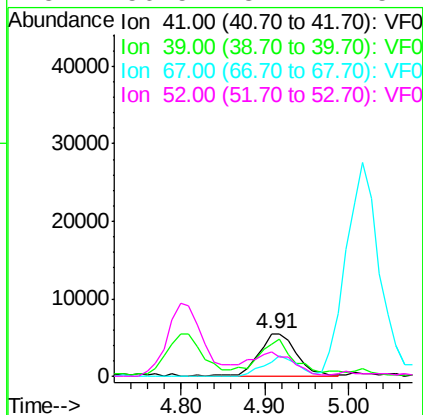
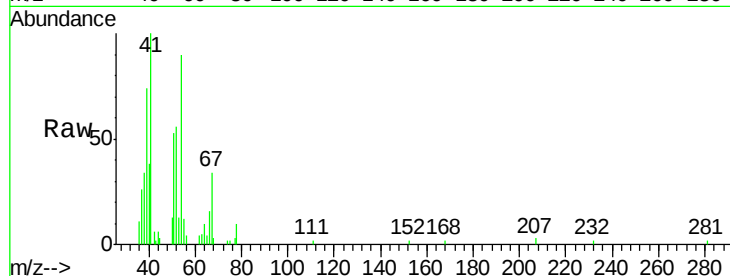




#41
Methacrylonitrile
Concen: 19.302 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.04 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

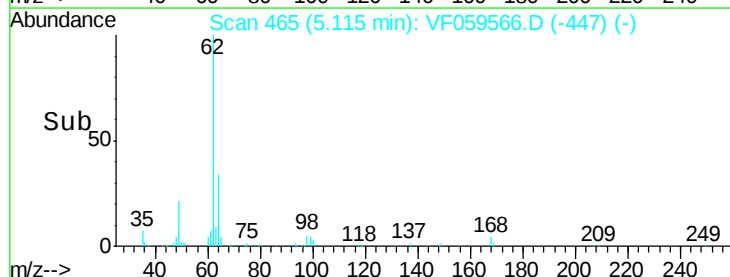
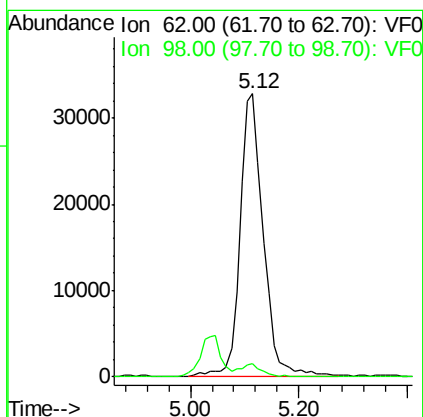
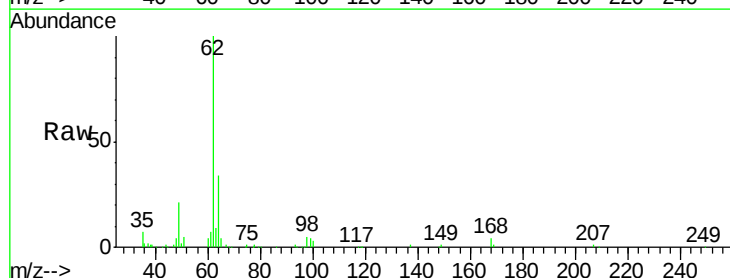
Instrument :
MSVOA_F
ClientSampleId :

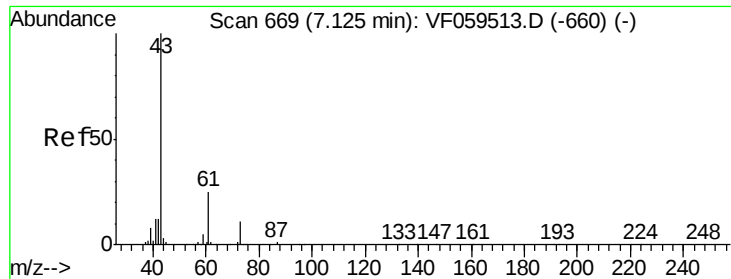
Tot Ion: 41 Resp: 17445
Ion Ratio Lower Upper
41 100
39 74.3 49.4 74.0#
67 34.4 37.4 56.2#
52 56.5 32.1 48.1#



#42
1,2-Dichloroethane
Concen: 24.540 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion: 62 Resp: 98556
Ion Ratio Lower Upper
62 100
98 4.5 0.0 9.6

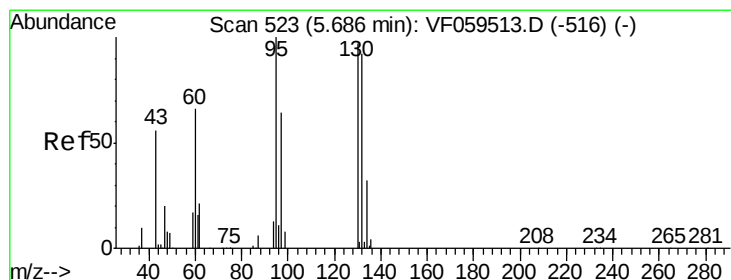
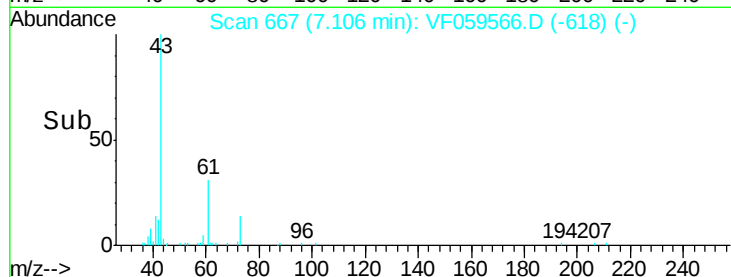
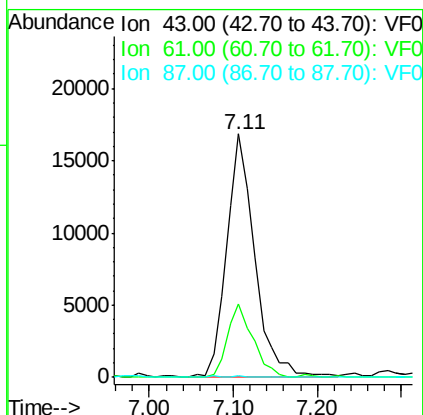
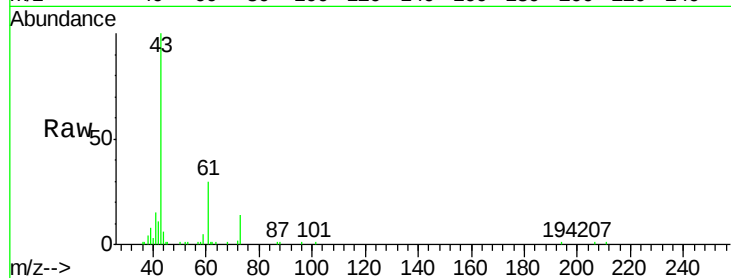




#43
Isopropyl Acetate
Concen: 17.343 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

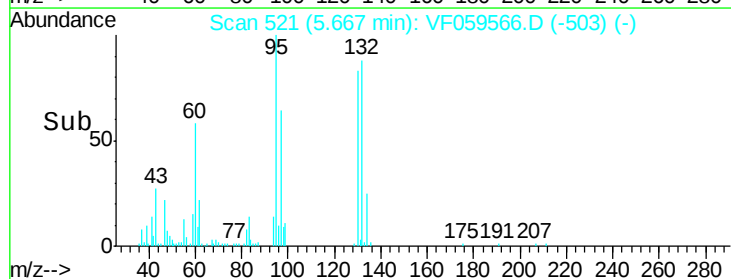
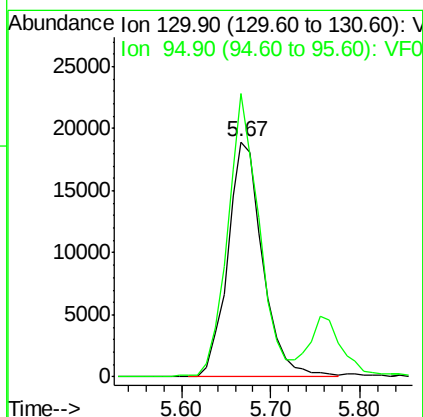
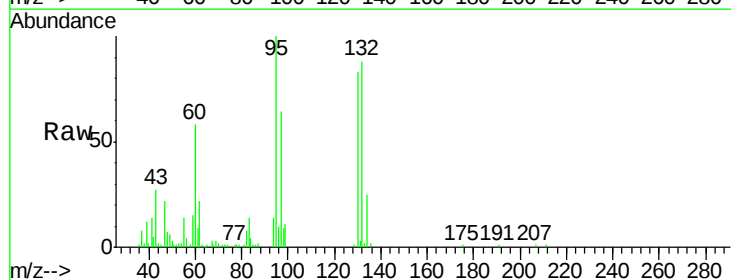
Instrument :
MSVOA_F
ClientSampleId :

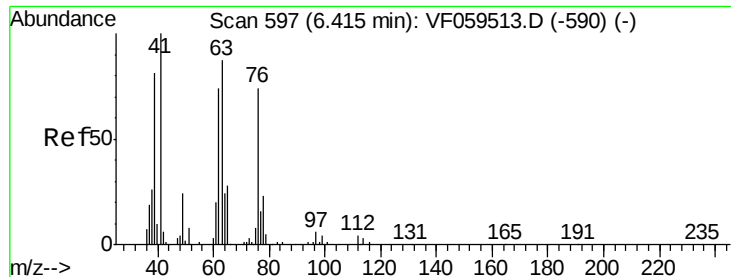
Tot Ion: 43 Resp: 39275
Ion Ratio Lower Upper
43 100
61 30.2 20.3 30.5
87 0.9 0.4 0.6#



#44
Trichloroethene
Concen: 22.945 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion: 130 Resp: 51928
Ion Ratio Lower Upper
130 100
95 120.4 0.0 206.6





#45

1,2-Dichloropropane

Concen: 21.894 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

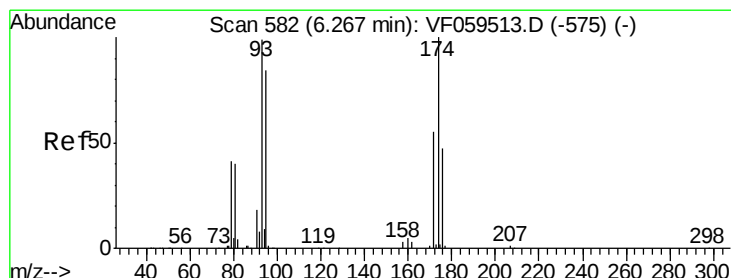
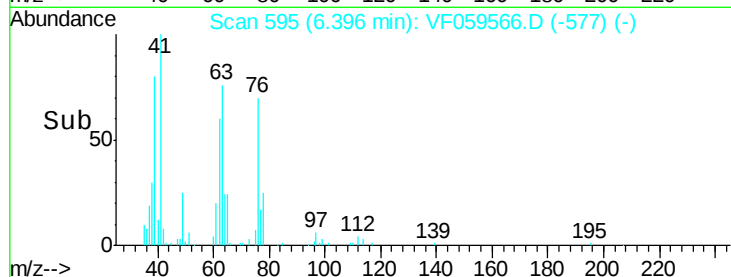
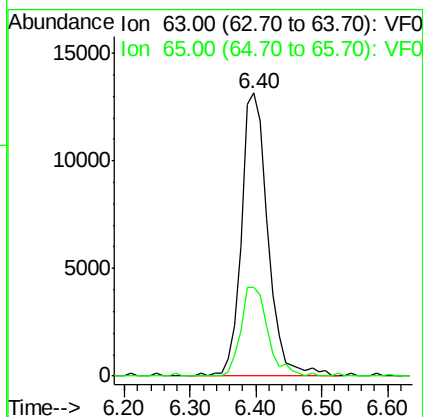
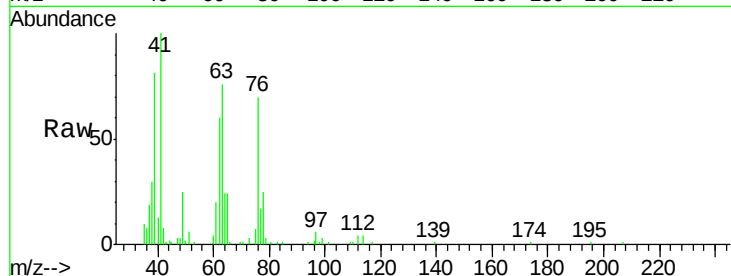
ClientSampleId :

Tot Ion: 63 Resp: 37155

Ion Ratio Lower Upper

63 100

65 31.4 26.1 39.1



#46

Dibromomethane

Concen: 22.803 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

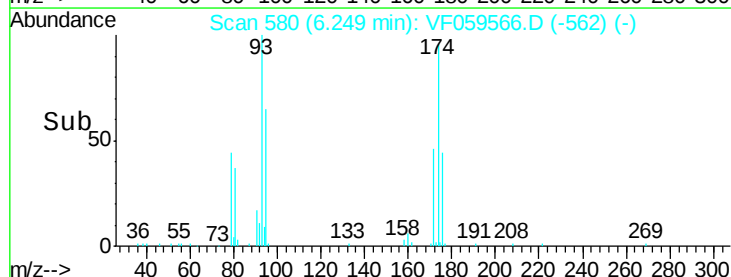
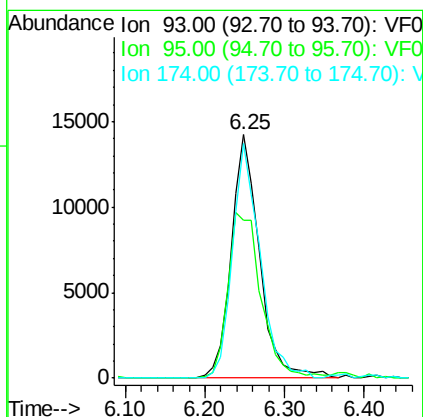
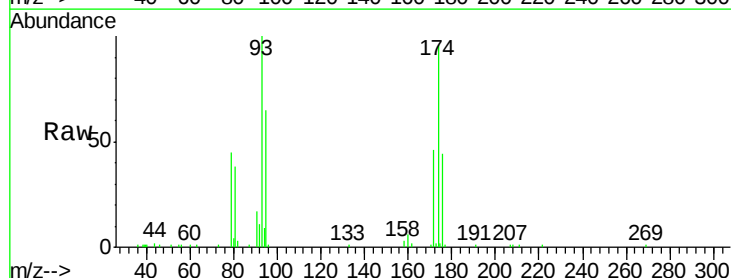
Tgt Ion: 93 Resp: 35241

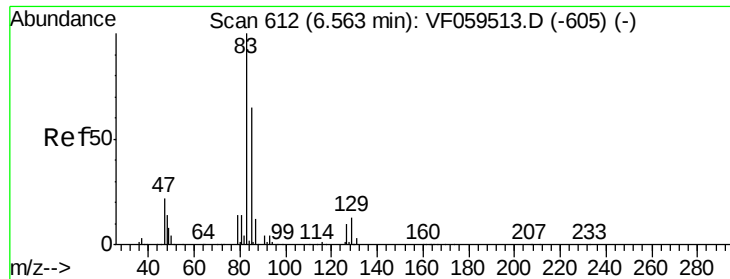
Ion Ratio Lower Upper

93 100

95 65.1 68.3 102.5#

174 96.4 81.2 121.8





#47

Bromodichloromethane

Concen: 24.621 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

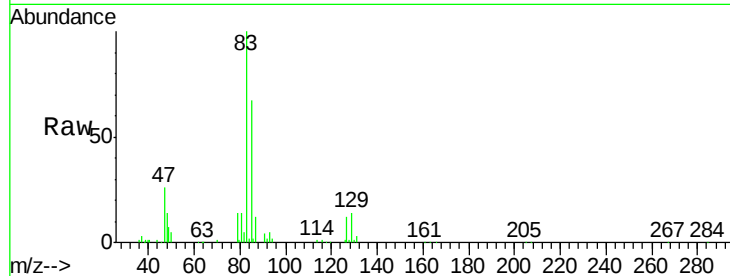
Tot Ion: 83 Resp: 97949

Ion Ratio Lower Upper

83 100

85 67.0 52.4 78.6

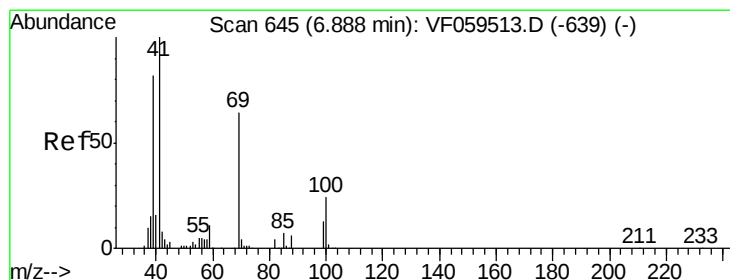
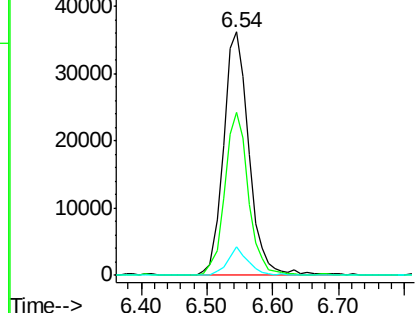
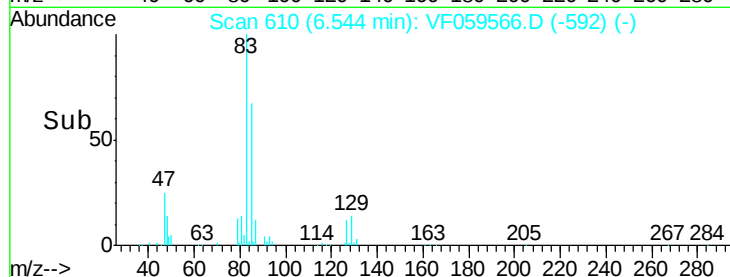
127 11.5 8.2 12.4



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: 17.367 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

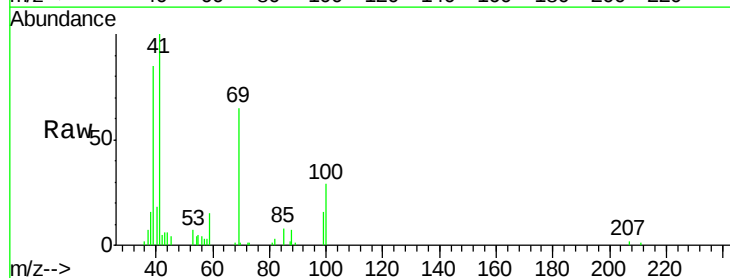
Tgt Ion: 41 Resp: 28090

Ion Ratio Lower Upper

41 100

69 64.7 51.3 76.9

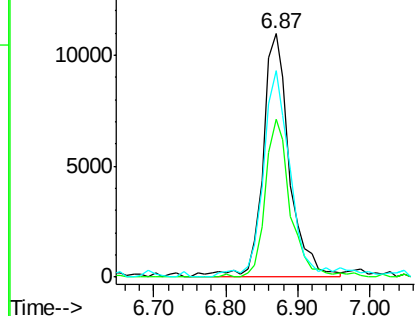
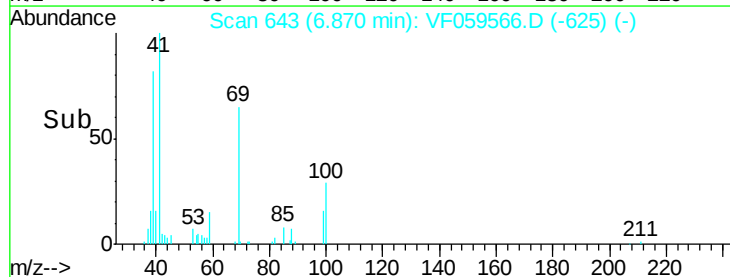
39 84.8 65.3 97.9

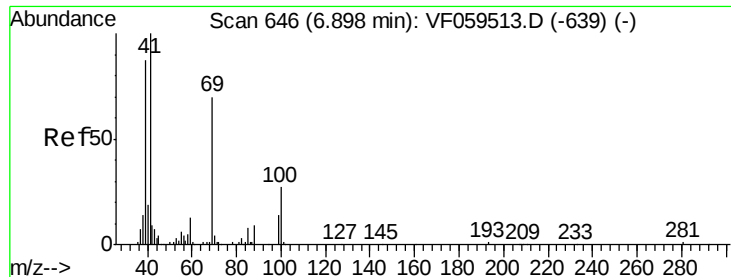


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

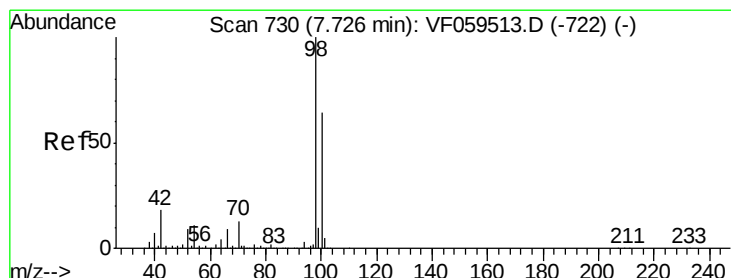
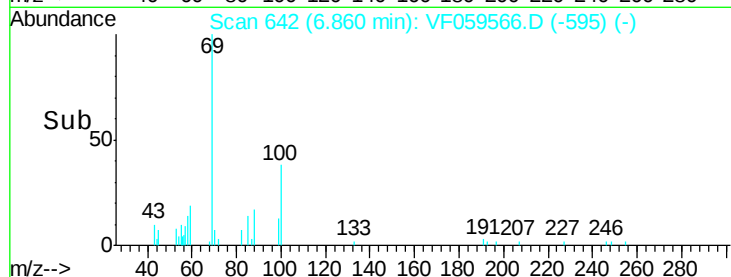
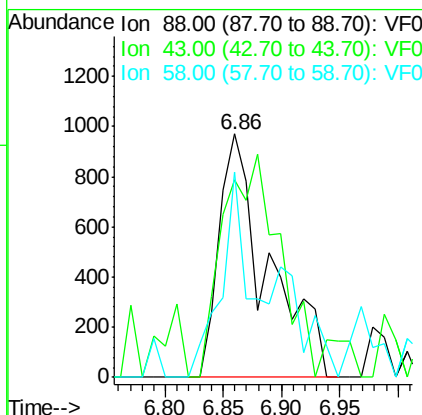
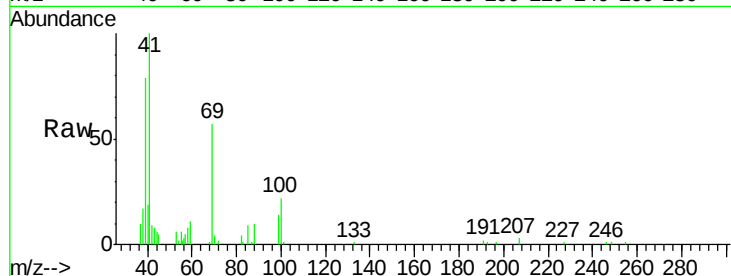




#49
1,4-Dioxane
Concen: 345.954 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.04 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

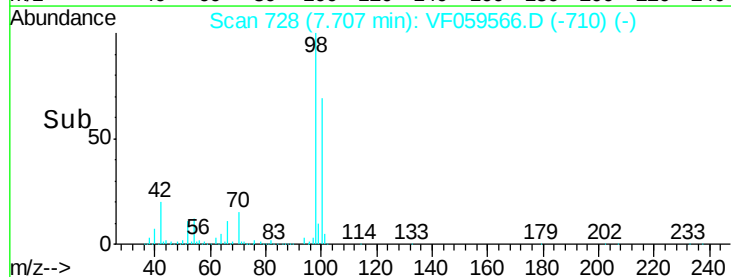
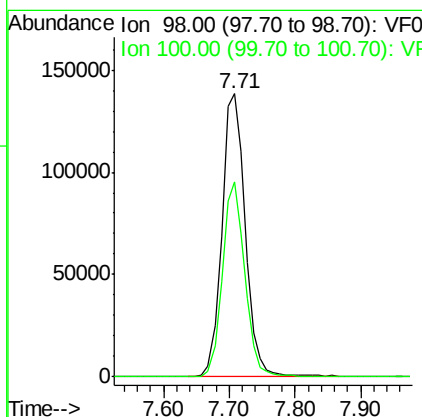
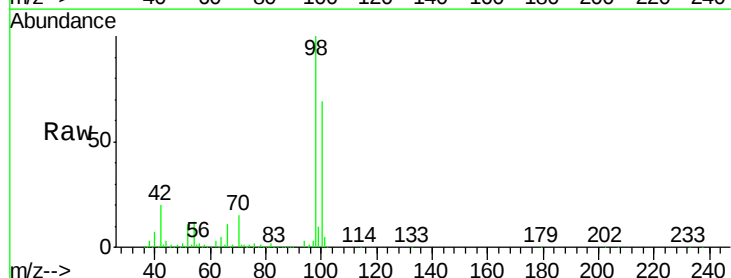
Instrument :
MSVOA_F
ClientSampleId :

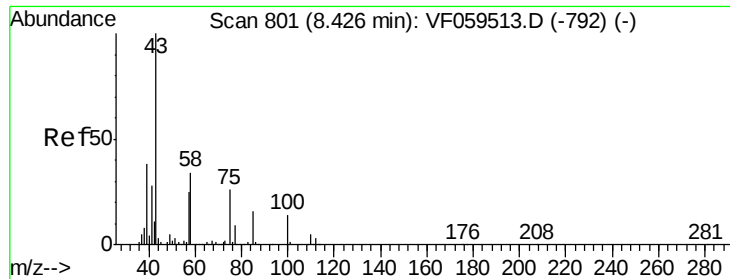
Tot Ion: 88 Resp: 2803
Ion Ratio Lower Upper
88 100
43 81.4 64.8 97.2
58 84.0 44.1 66.1#



#50
Toluene-d8
Concen: 49.960 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion: 98 Resp: 343182
Ion Ratio Lower Upper
98 100
100 69.0 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 90.805 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

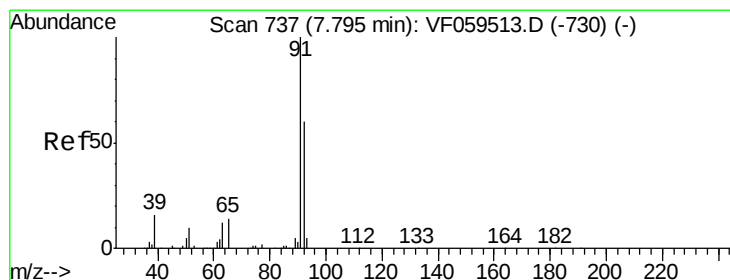
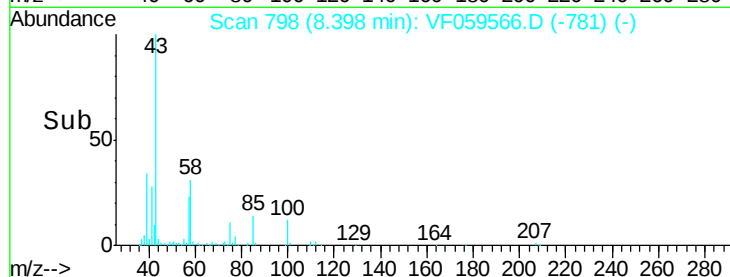
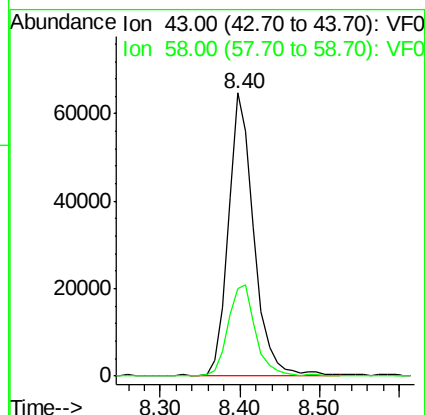
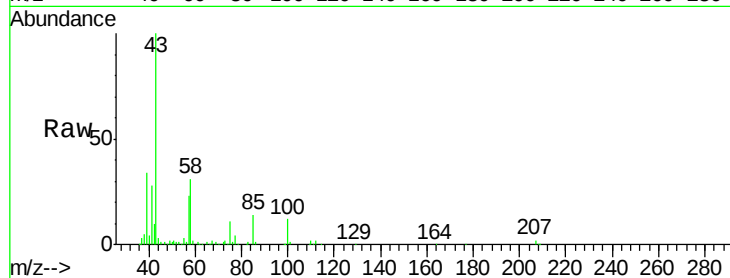
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 145769

Ion Ratio Lower Upper

43 100

58 30.9 27.4 41.2



#52

Toluene

Concen: 22.634 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059566.D

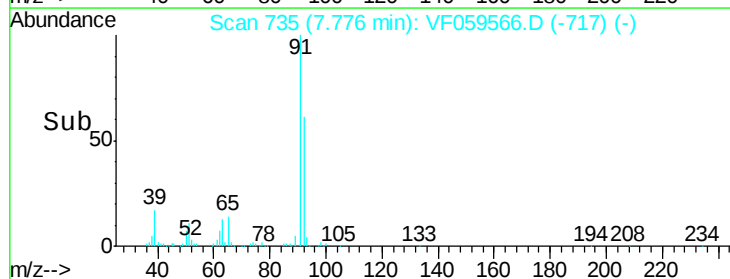
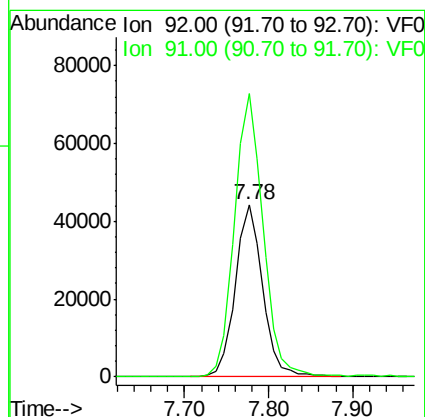
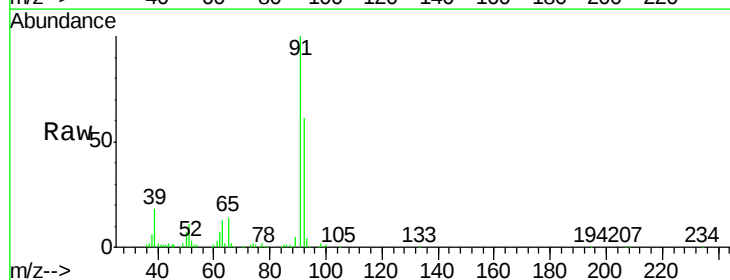
Acq: 19 Jul 2018 20:29

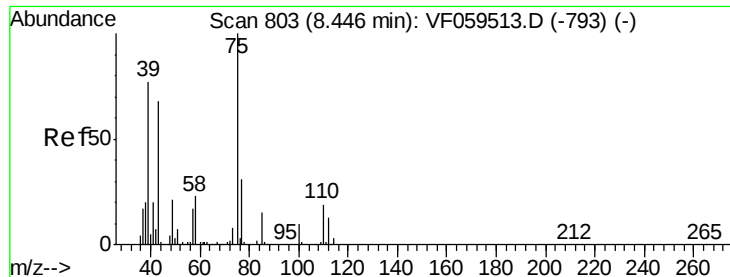
Tgt Ion: 92 Resp: 100366

Ion Ratio Lower Upper

92 100

91 164.0 134.2 201.4





#53

t-1,3-Dichloropropene

Concen: 22.549 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.03 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

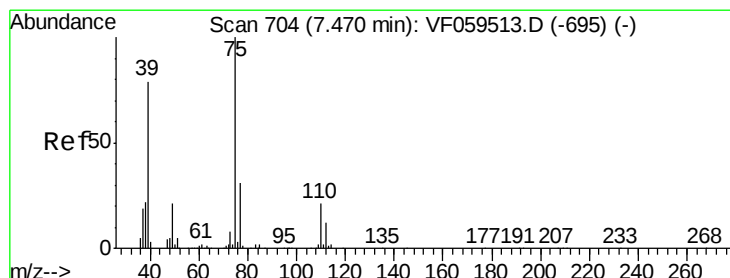
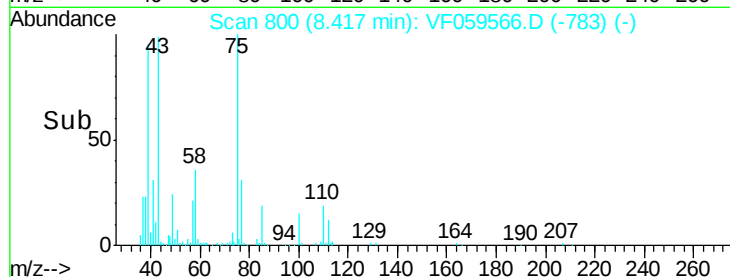
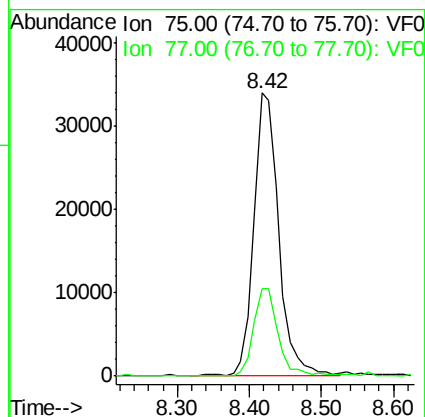
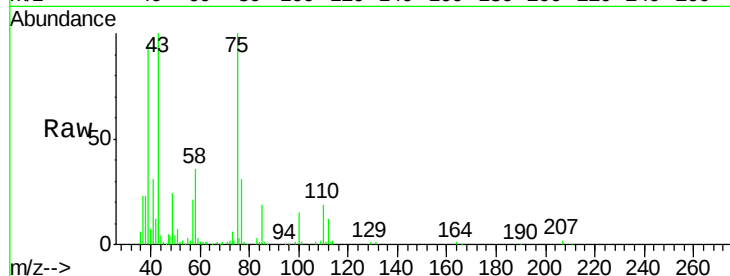
ClientSampleId :

Tot Ion: 75 Resp: 82513

Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 21.954 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

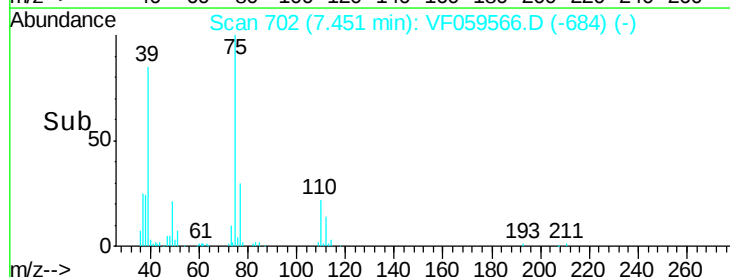
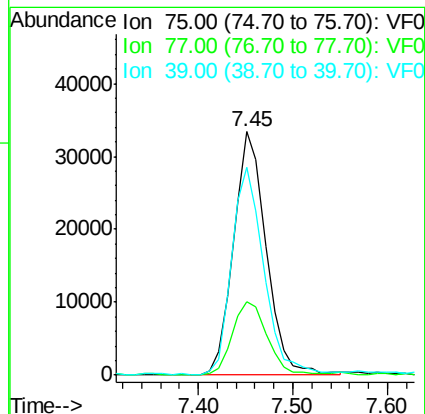
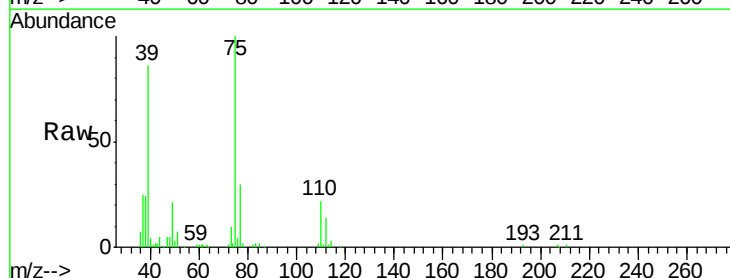
Tgt Ion: 75 Resp: 79990

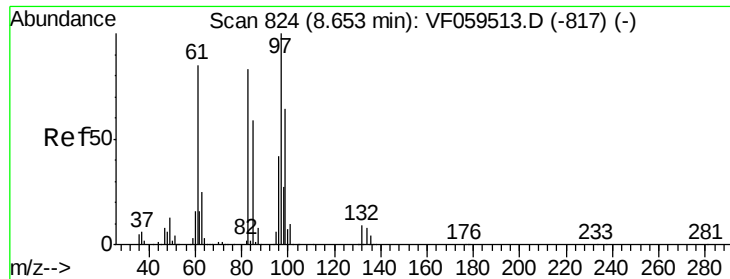
Ion Ratio Lower Upper

75 100

77 30.2 25.0 37.6

39 85.6 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 23.215 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 39886

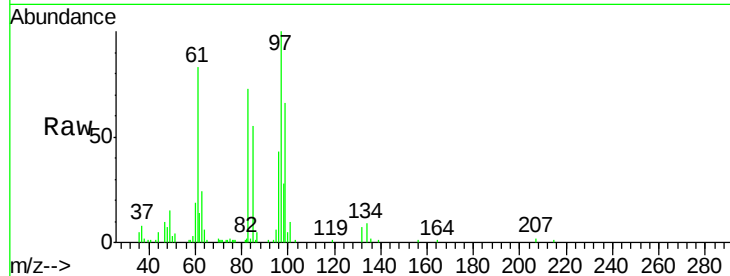
Ion Ratio Lower Upper

97 100

83 73.0 66.9 100.3

85 54.6 46.9 70.3

99 66.0 51.5 77.3

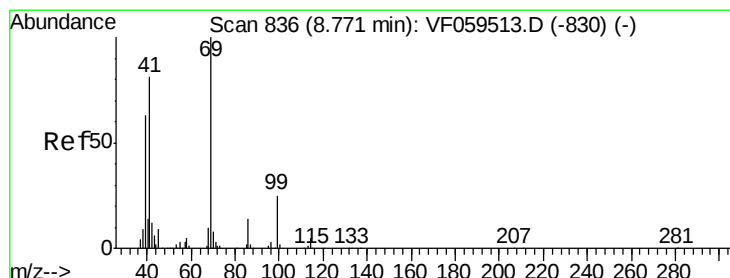
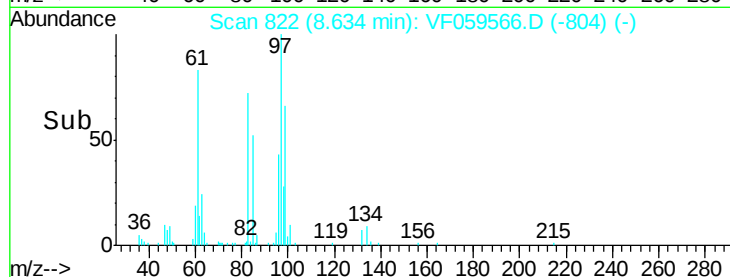
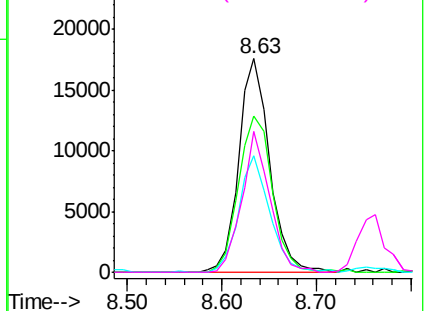


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



#56

Ethyl methacrylate

Concen: 17.725 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

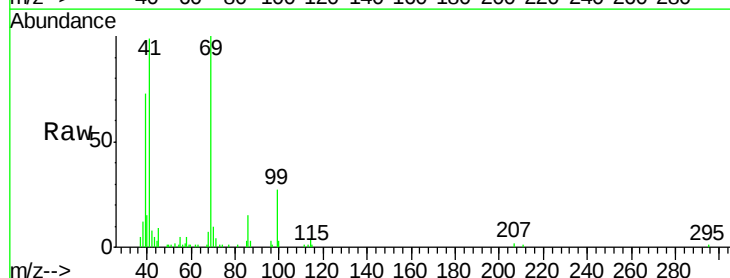
Tgt Ion: 69 Resp: 37767

Ion Ratio Lower Upper

69 100

41 99.0 65.4 98.2#

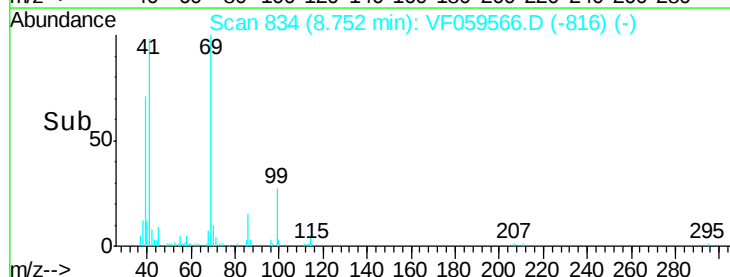
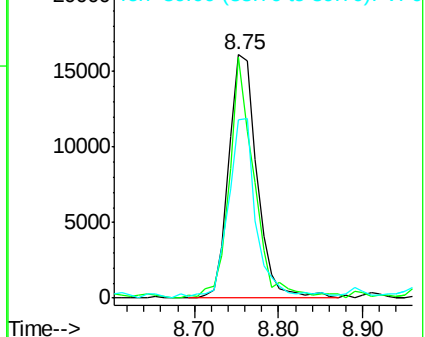
39 73.3 51.0 76.4

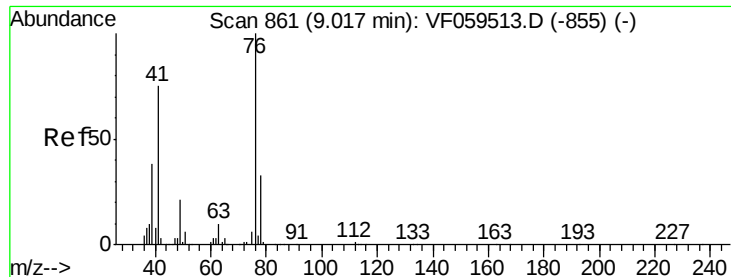


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.893 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

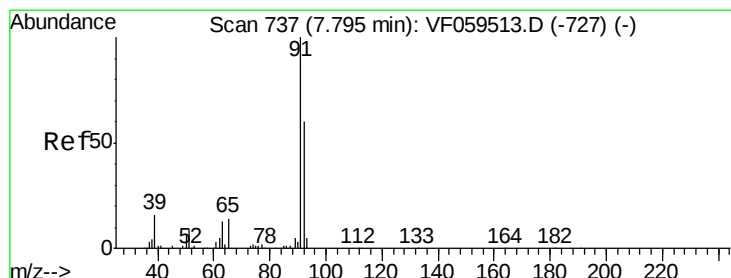
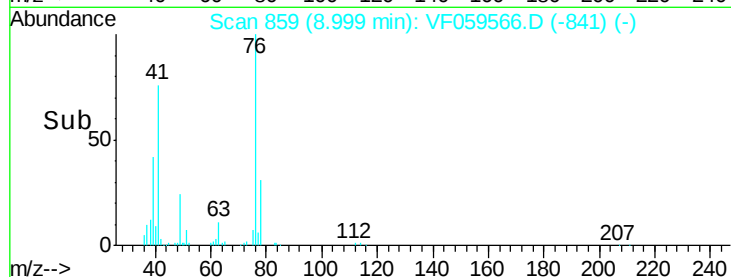
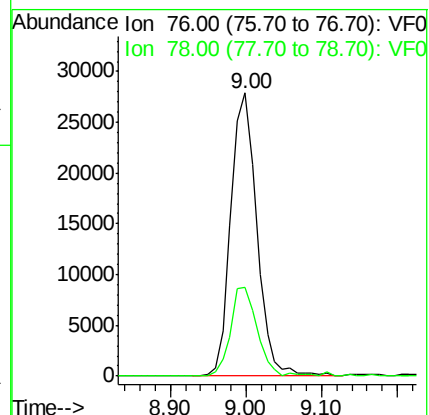
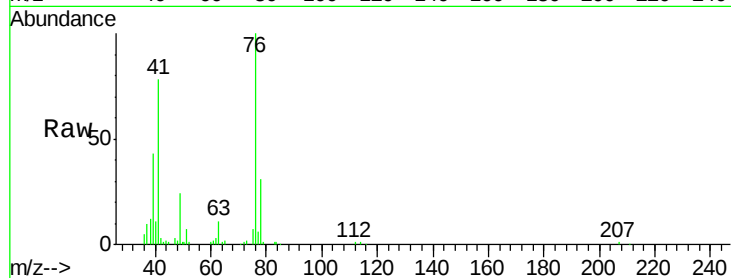
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 66512

Ion Ratio Lower Upper

76 100

78 31.4 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 119.855 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059566.D

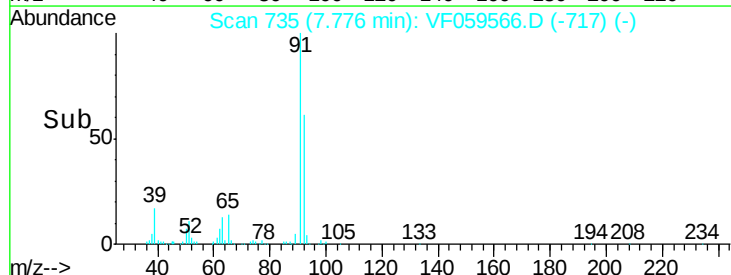
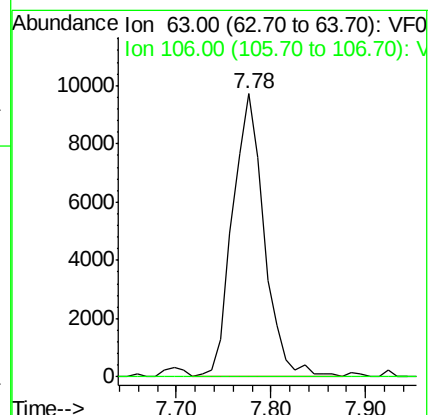
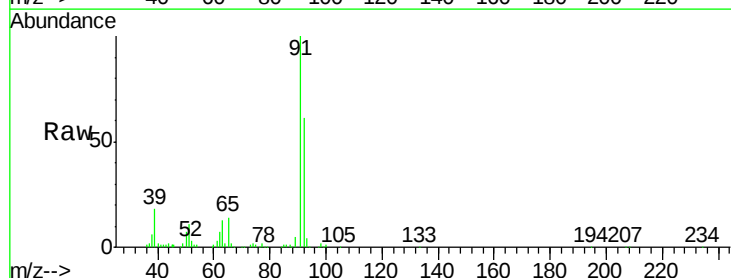
Acq: 19 Jul 2018 20:29

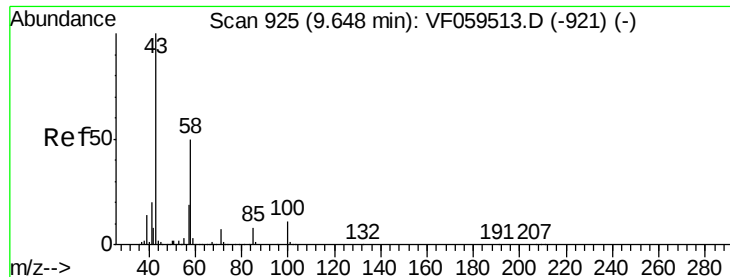
Tgt Ion: 63 Resp: 22546

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

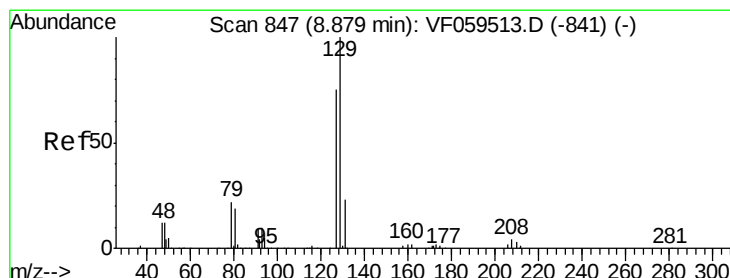
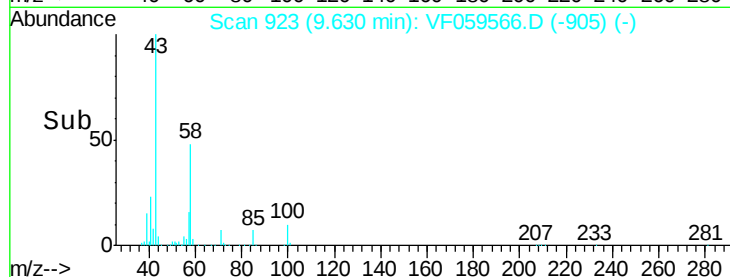
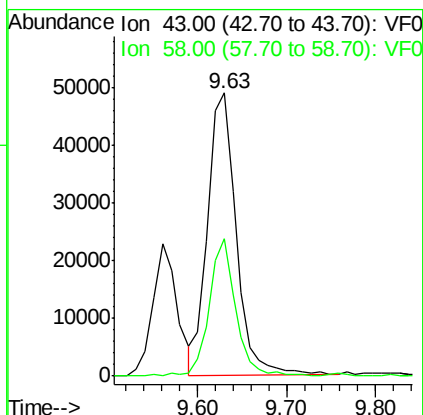
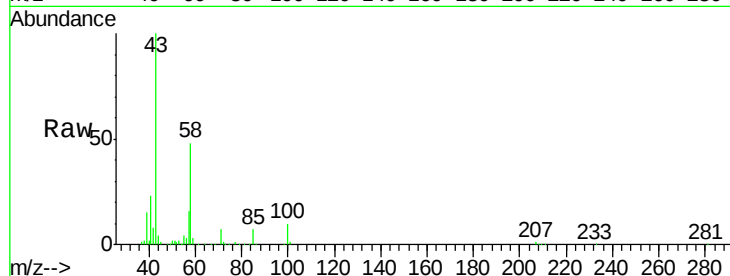




#59
2-Hexanone
Concen: 89.472 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

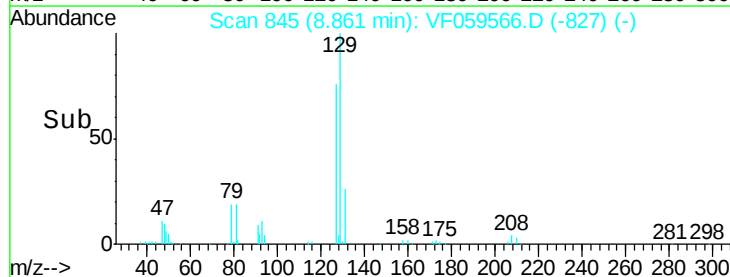
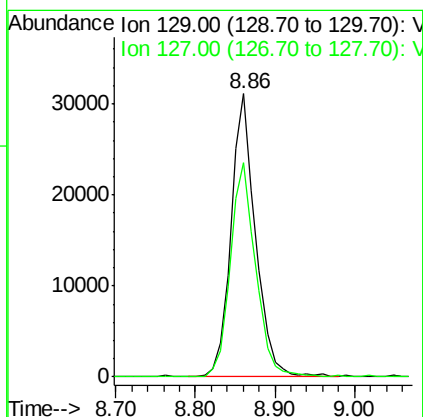
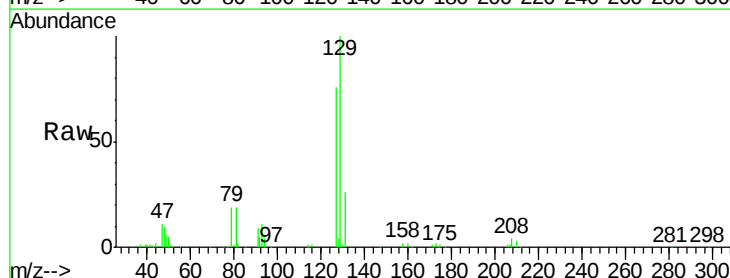
Instrument :
MSVOA_F
ClientSampleId :

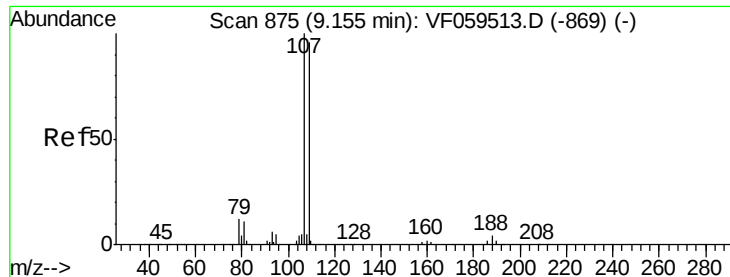
Tot Ion: 43 Resp: 108550
Ion Ratio Lower Upper
43 100
58 48.4 23.3 69.9



#60
Dibromochloromethane
Concen: 23.024 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion: 129 Resp: 66667
Ion Ratio Lower Upper
129 100
127 75.6 37.6 112.8





#61

1,2-Dibromoethane

Concen: 21.536 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

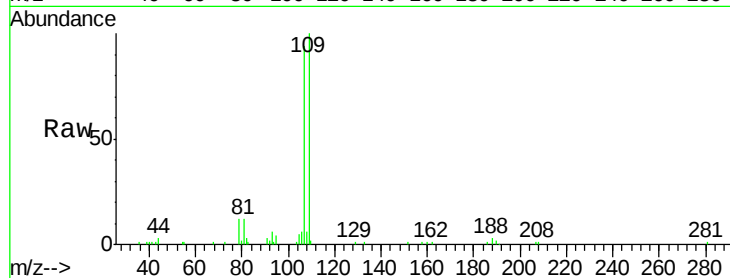
ClientSampleId :

Tot Ion:107 Resp: 45911

Ion Ratio Lower Upper

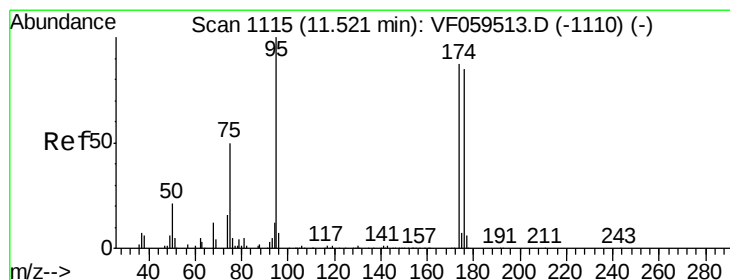
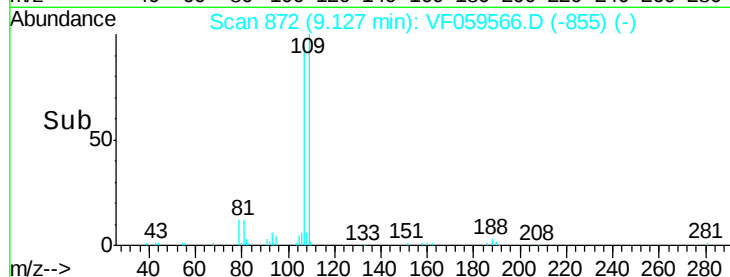
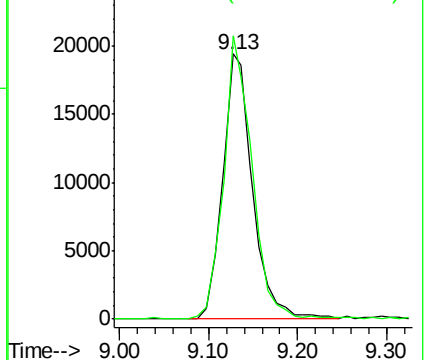
107 100

109 106.7 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: 55.920 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

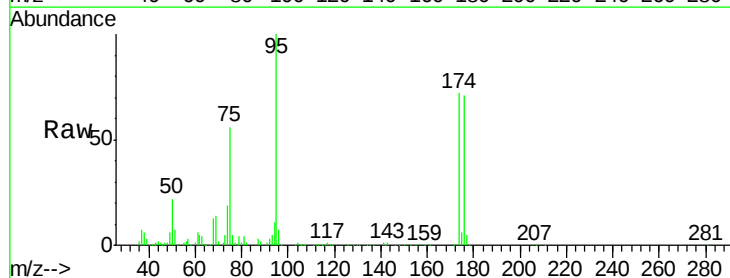
Tgt Ion: 95 Resp: 201510

Ion Ratio Lower Upper

95 100

174 71.8 0.0 174.4

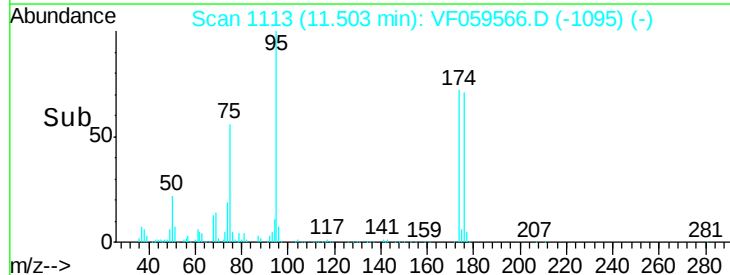
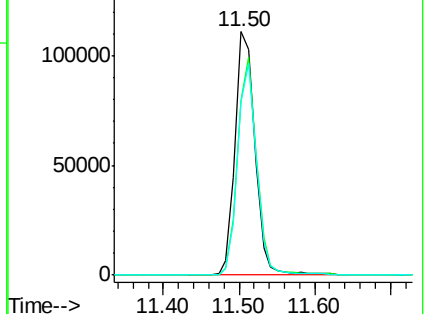
176 70.9 0.0 169.4

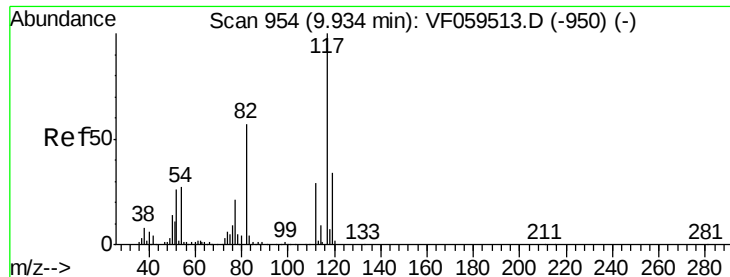


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

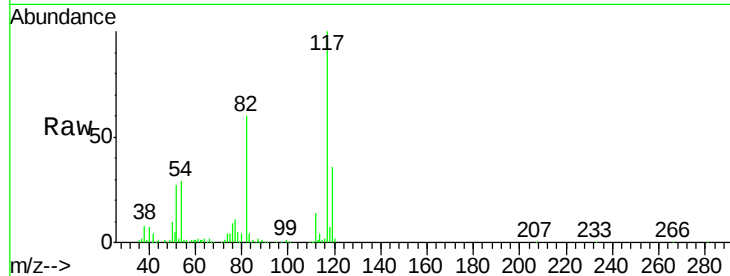




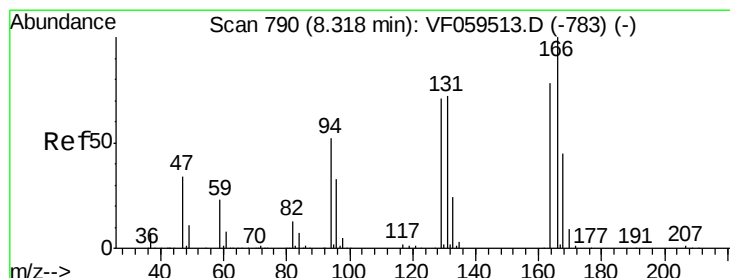
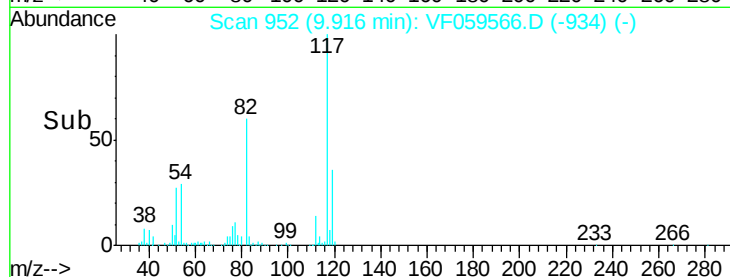
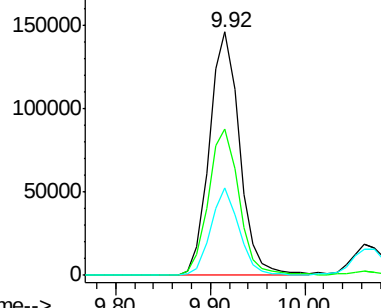
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 324533
Ion Ratio Lower Upper
117 100
82 59.9 46.1 69.1
119 35.9 27.2 40.8



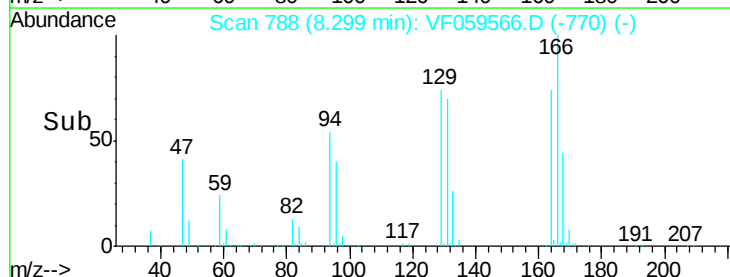
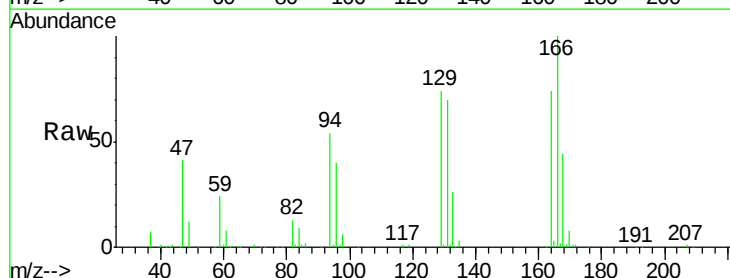
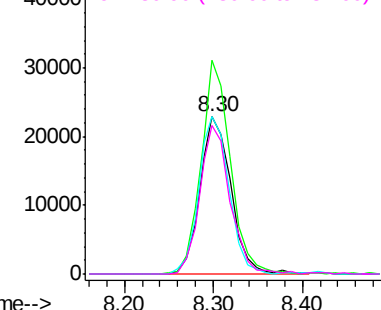
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

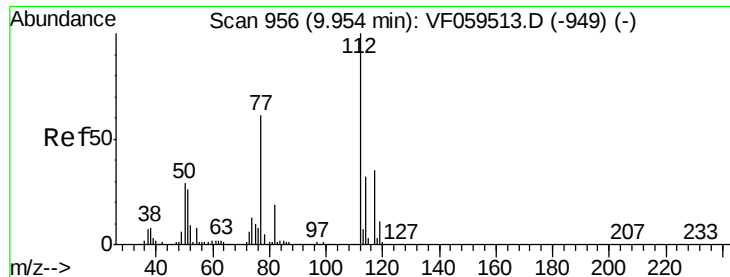


#64
Tetrachloroethene
Concen: 23.088 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion:164 Resp: 55797
Ion Ratio Lower Upper
164 100
166 135.7 102.3 153.5
129 99.9 72.4 108.6
131 94.4 73.7 110.5

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

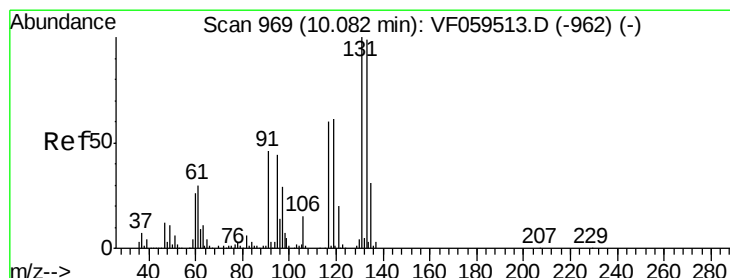
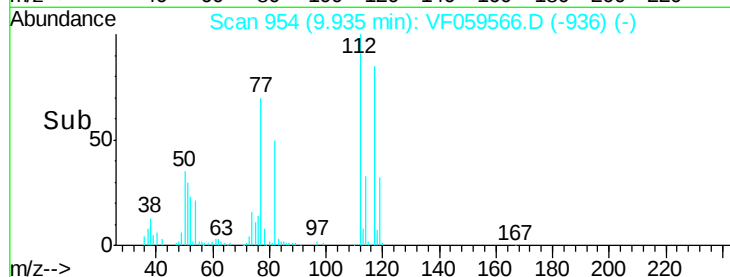
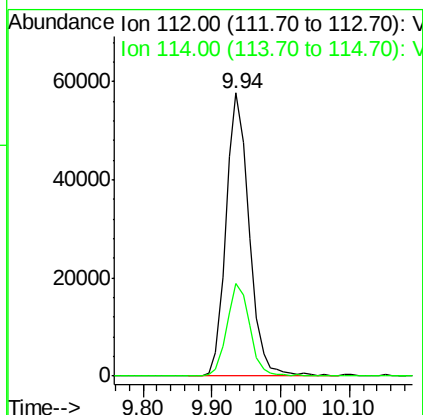
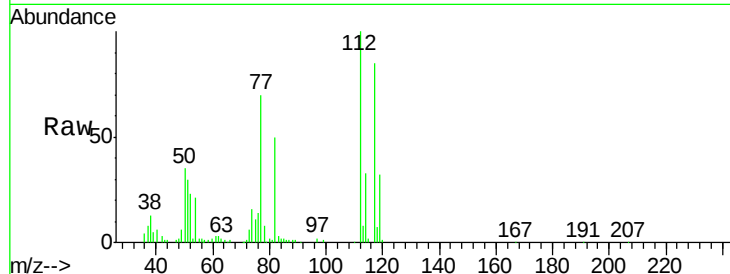




#65
Chlorobenzene
Concen: 22.064 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

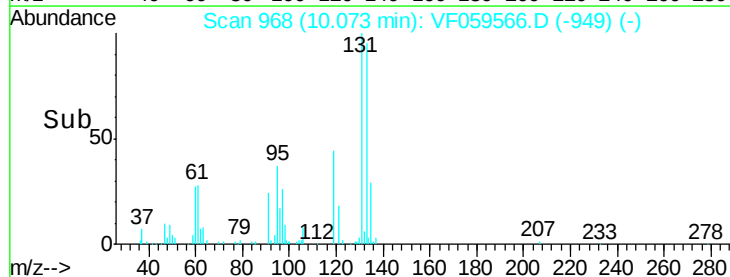
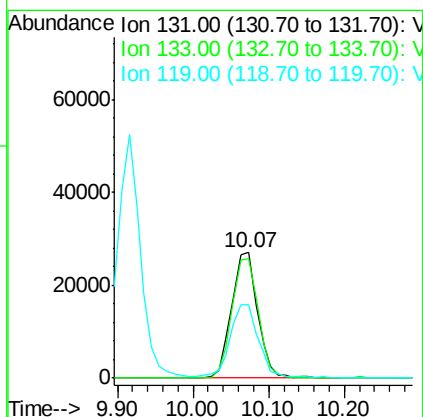
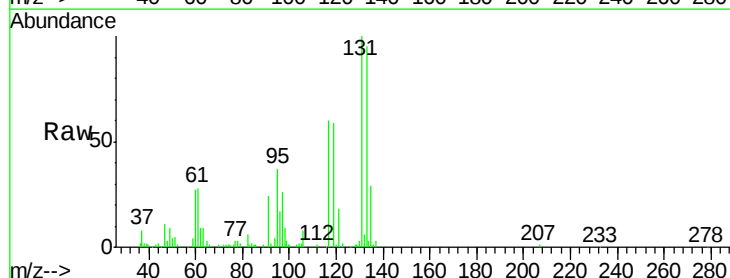
Instrument :
MSVOA_F
ClientSampleId :

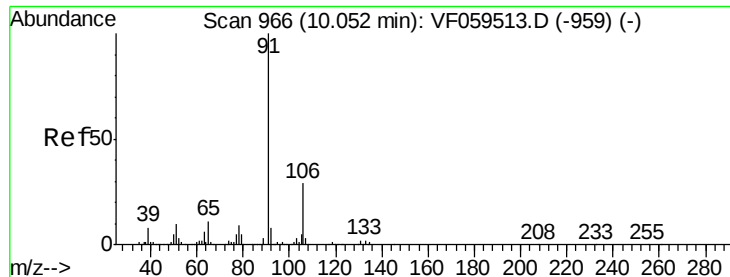
Tot Ion:112 Resp: 134287
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 23.385 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion:131 Resp: 64828
Ion Ratio Lower Upper
131 100
133 94.8 49.6 148.8
119 58.8 31.4 94.3





#67

Ethyl Benzene

Concen: 23.411 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

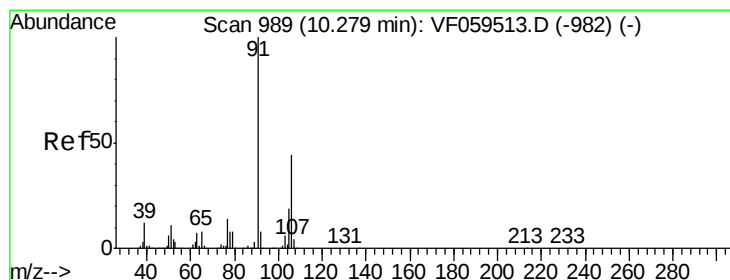
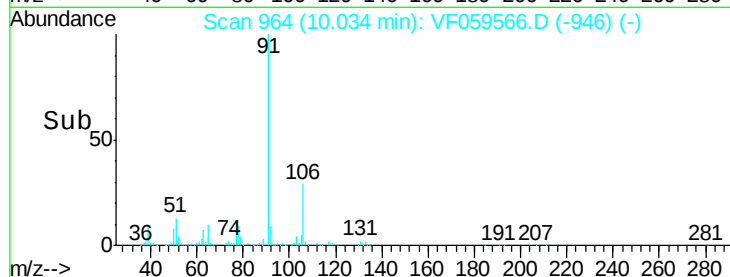
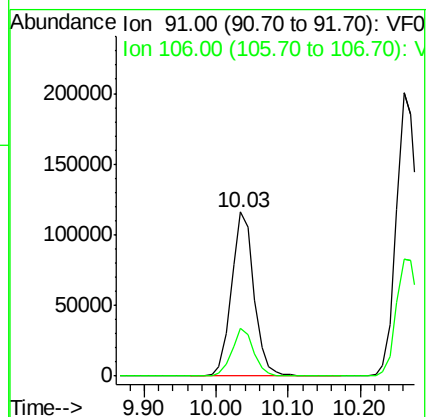
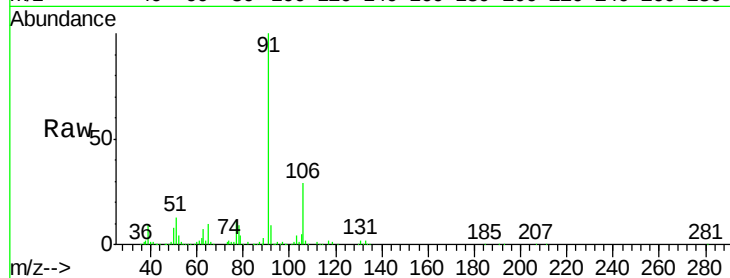
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 253627

Ion Ratio Lower Upper

91 100

106 29.4 23.4 35.2



#68

m/p-Xylenes

Concen: 48.314 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF059566.D

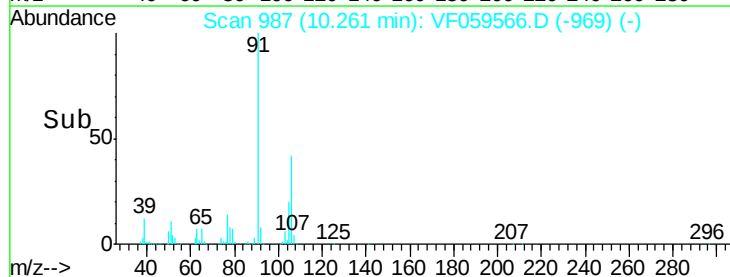
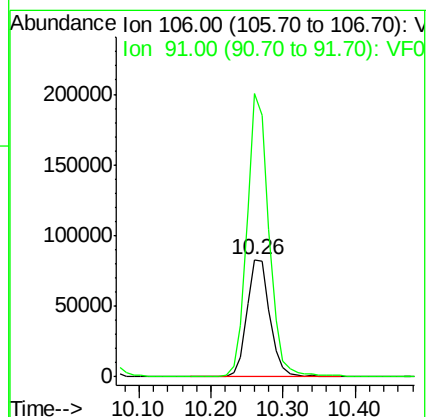
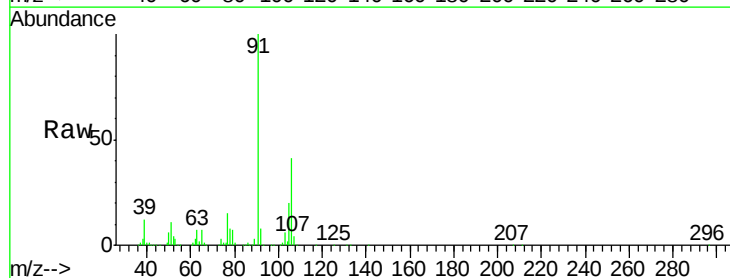
Acq: 19 Jul 2018 20:29

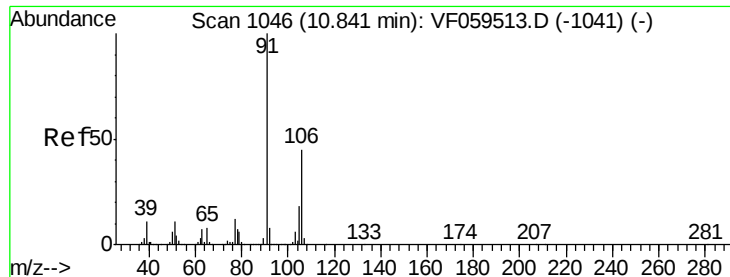
Tgt Ion: 106 Resp: 184742

Ion Ratio Lower Upper

106 100

91 241.1 181.0 271.4

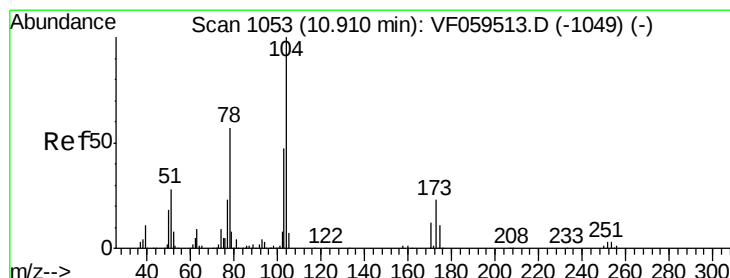
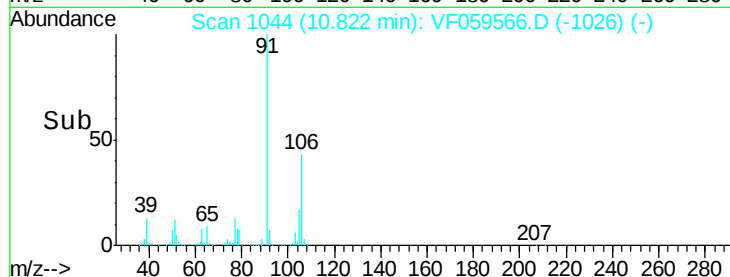
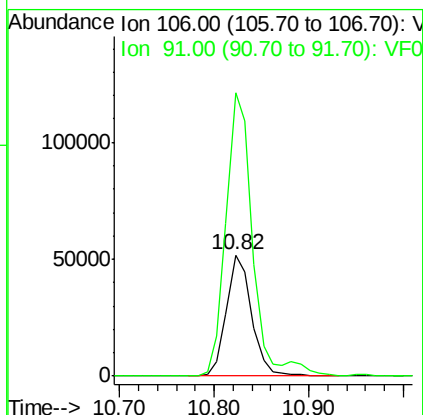
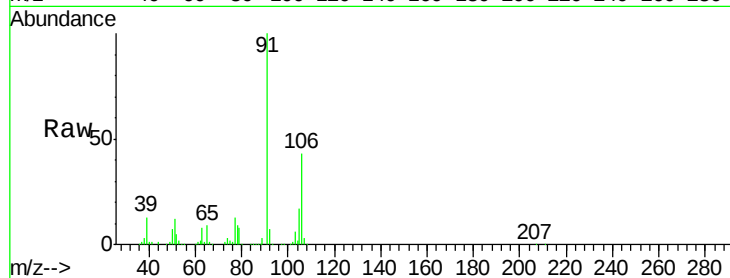




#69
o-Xylene
Concen: 23.647 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

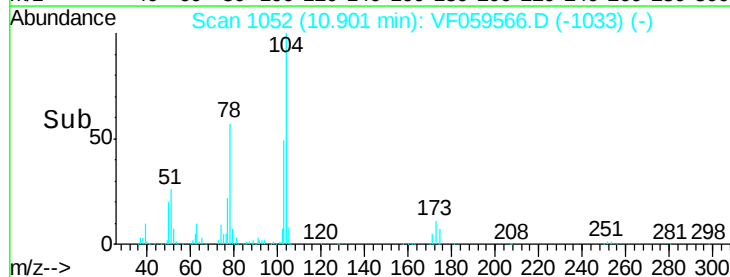
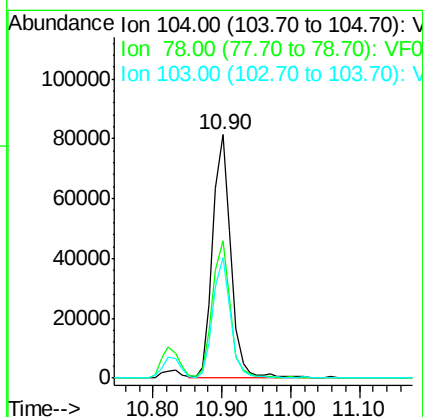
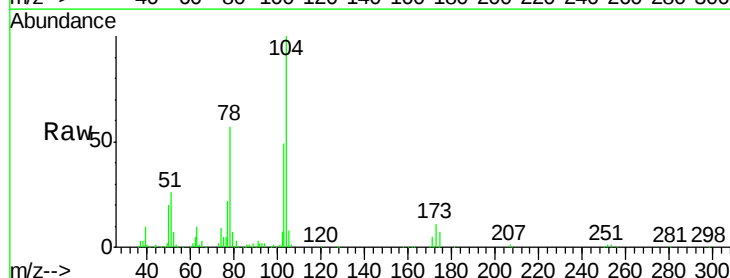
Instrument :
MSVOA_F
ClientSampled :

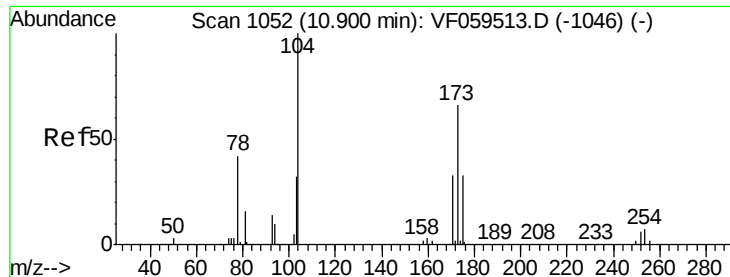
Tot Ion:106 Resp: 96284
Ion Ratio Lower Upper
106 100
91 233.3 112.3 336.9



#70
Styrene
Concen: 23.753 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion:104 Resp: 148657
Ion Ratio Lower Upper
104 100
78 56.6 45.7 68.5
103 49.5 38.1 57.1





#71

Bromoform

Concen: 21.084 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

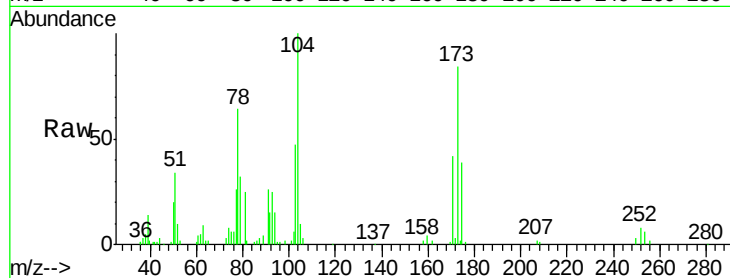
Tot Ion:173 Resp: 40600

Ion Ratio Lower Upper

173 100

175 46.8 25.3 75.8

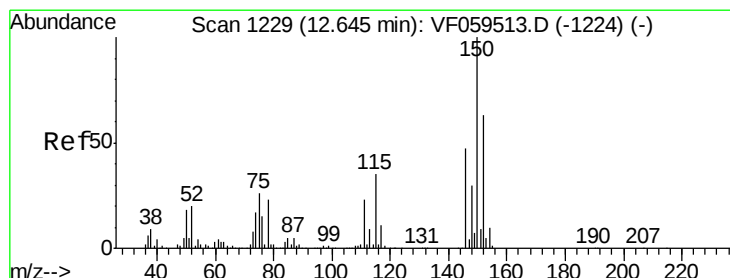
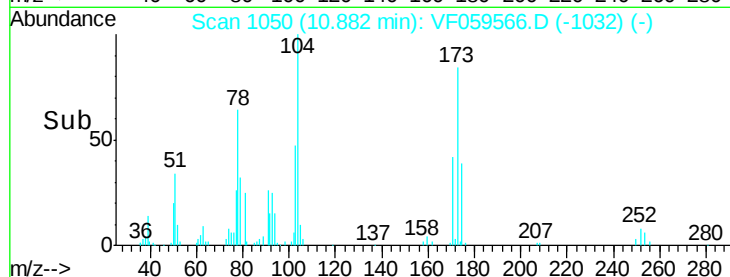
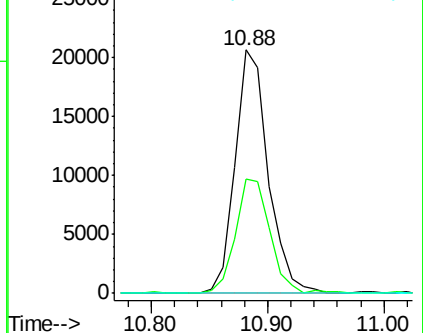
254 0.0 0.0 0.0



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: VF059566.D

Acq: 19 Jul 2018 20:29

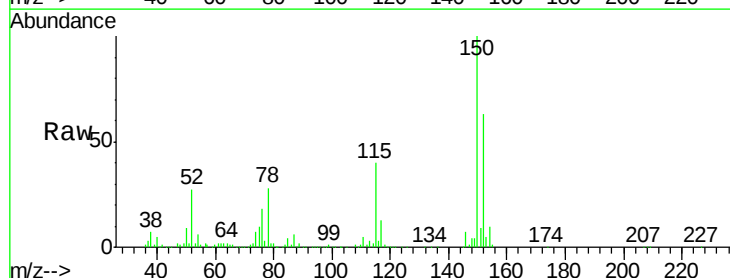
Tgt Ion:152 Resp: 226016

Ion Ratio Lower Upper

152 100

115 63.1 27.8 83.3

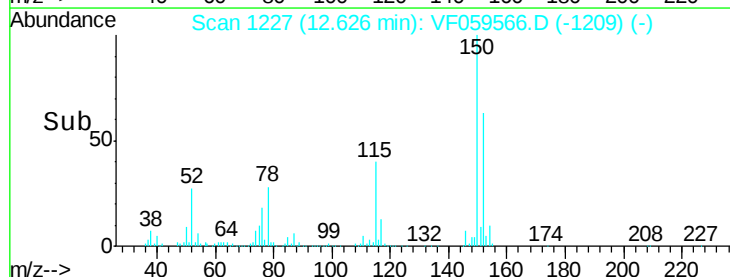
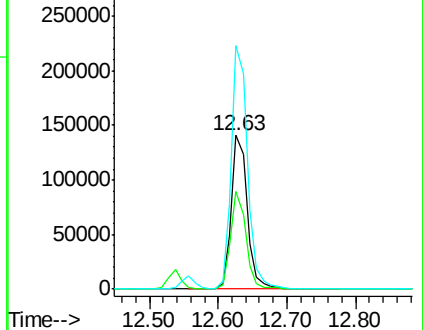
150 158.1 0.0 318.4

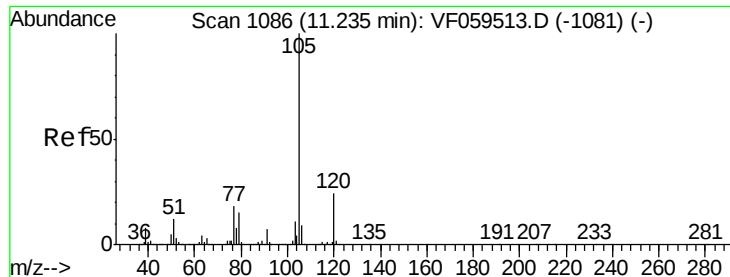


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.062 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

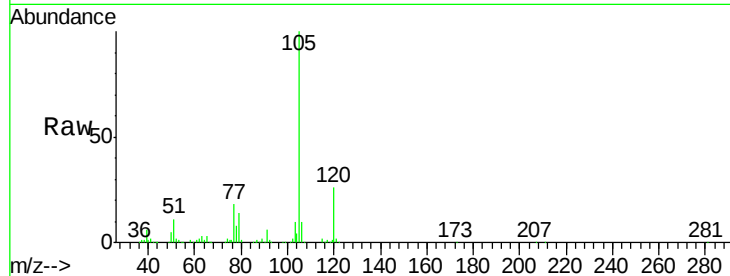
ClientSampleId :

Tot Ion:105 Resp: 300390

Ion Ratio Lower Upper

105 100

120 25.5 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

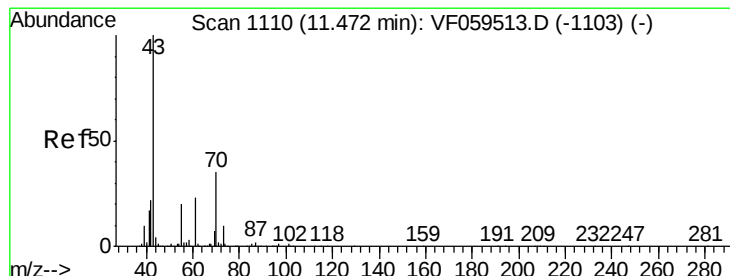
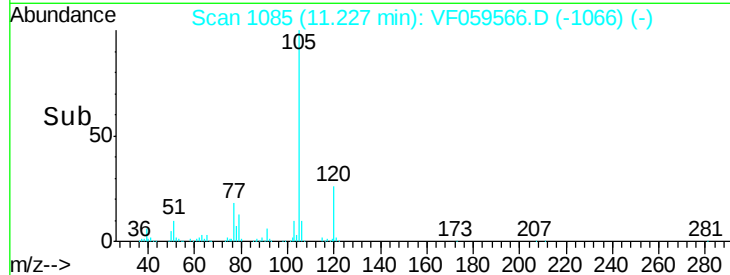
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 13.883 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion: 43 Resp: 63412

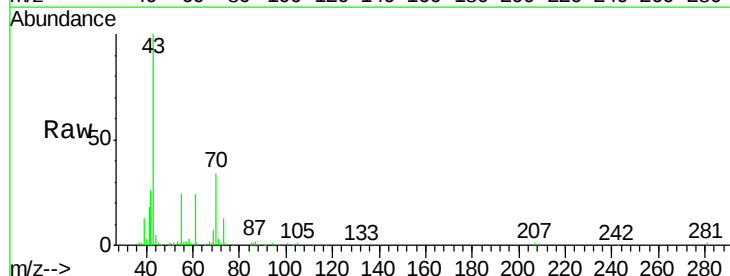
Ion Ratio Lower Upper

43 100

70 34.4 27.9 41.9

55 23.6 16.2 24.2

61 24.5 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

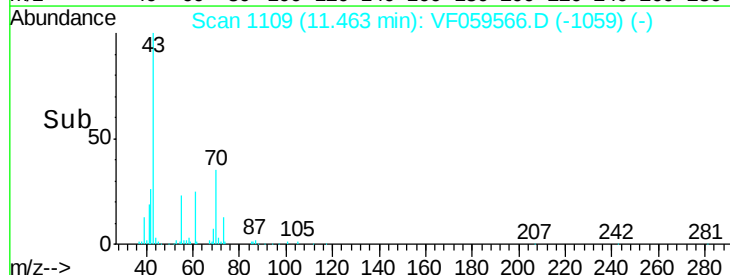
30000

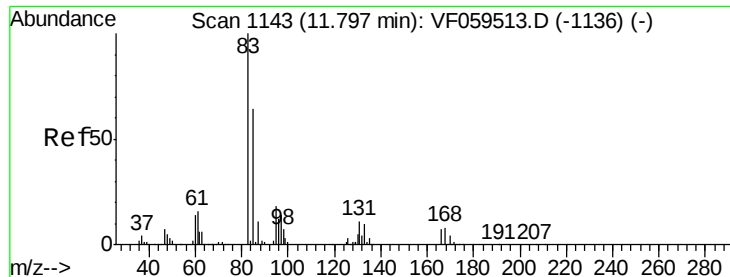
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.791 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

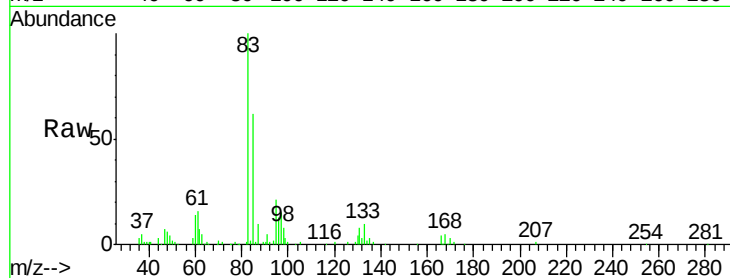
Tot Ion: 83 Resp: 55343

Ion Ratio Lower Upper

83 100

131 8.2 5.7 17.1

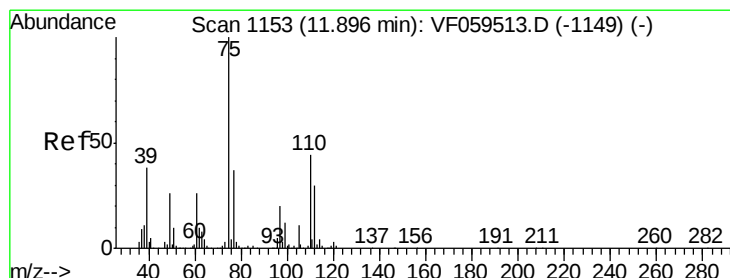
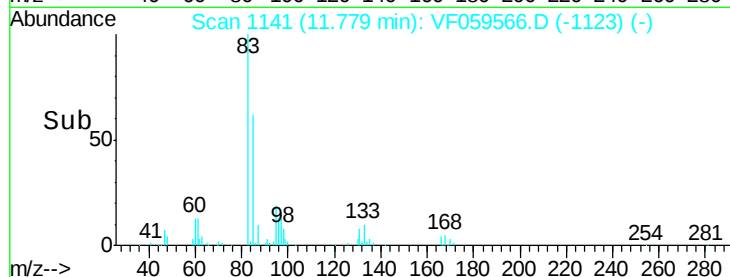
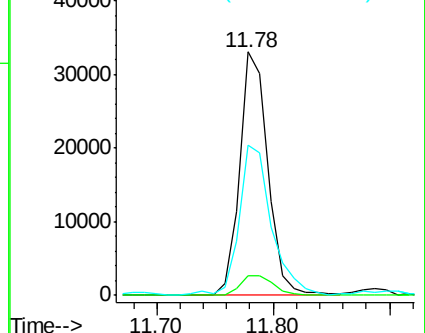
85 61.6 31.9 95.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 19.001 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF059566.D

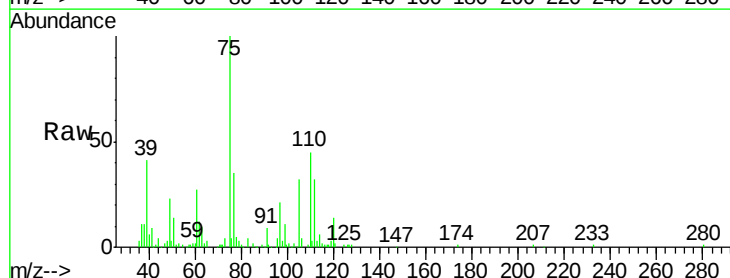
Acq: 19 Jul 2018 20:29

Tgt Ion: 75 Resp: 48266

Ion Ratio Lower Upper

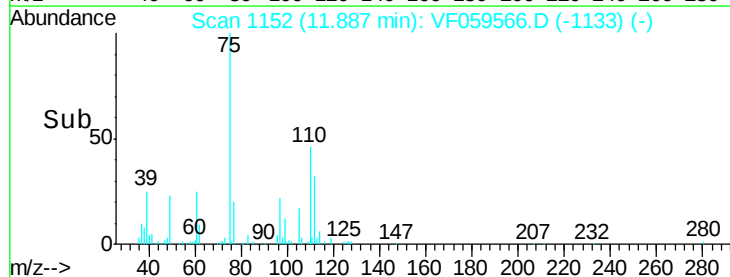
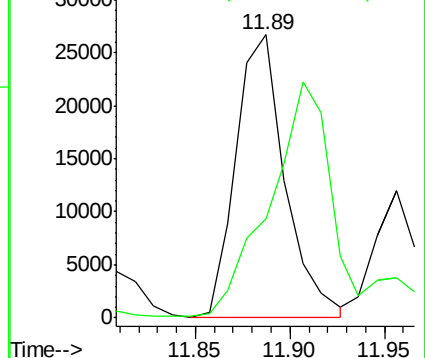
75 100

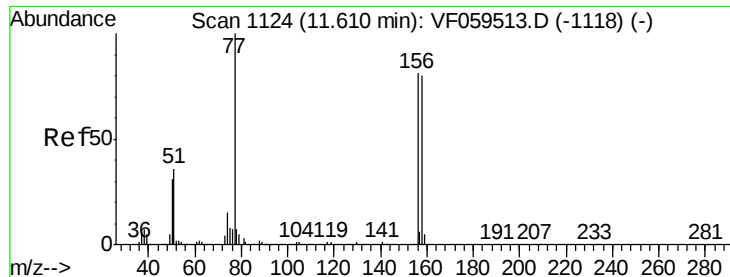
77 35.1 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.009 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

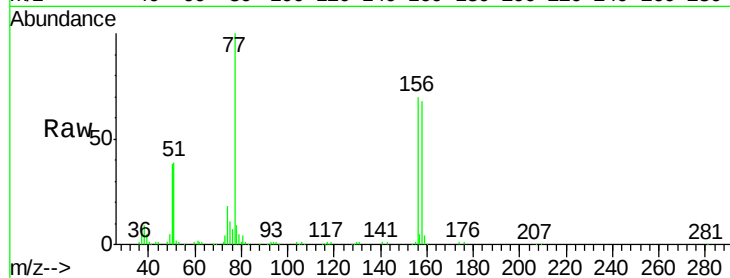
Tot Ion:156 Resp: 79988

Ion Ratio Lower Upper

156 100

77 142.3 62.0 186.0

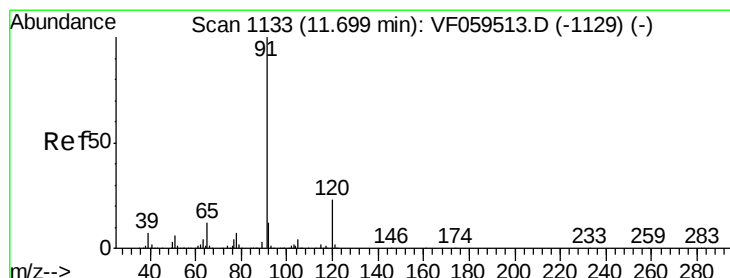
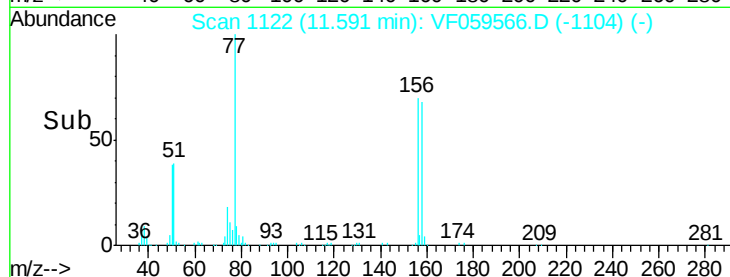
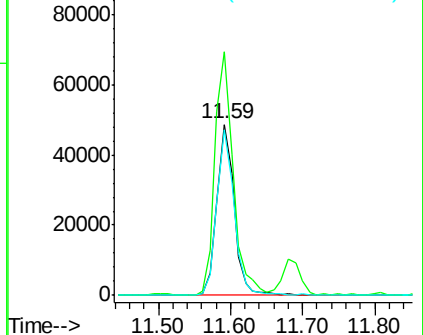
158 96.6 49.8 149.3



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: 21.889 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF059566.D

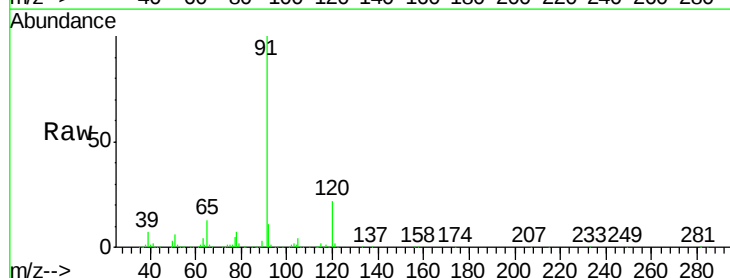
Acq: 19 Jul 2018 20:29

Tgt Ion: 91 Resp: 358103

Ion Ratio Lower Upper

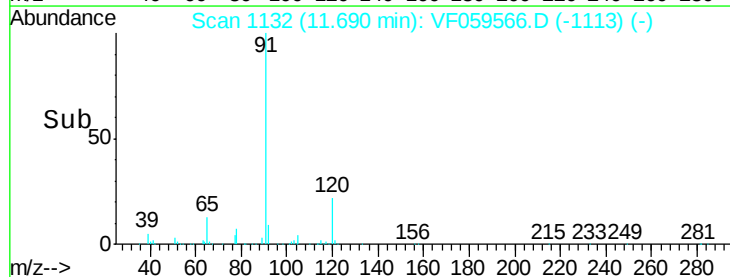
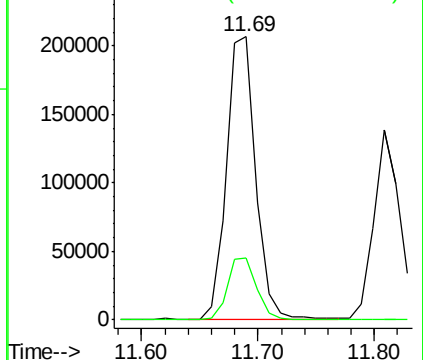
91 100

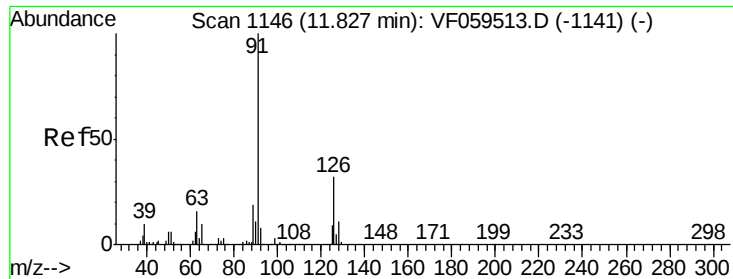
120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.930 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

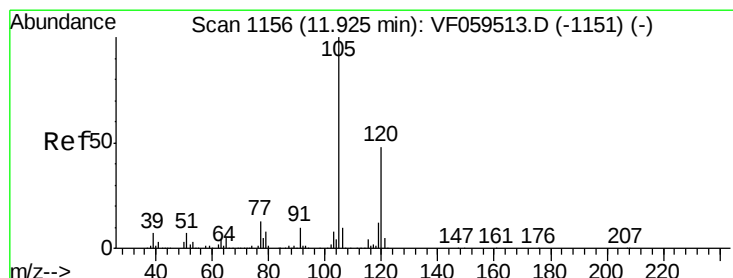
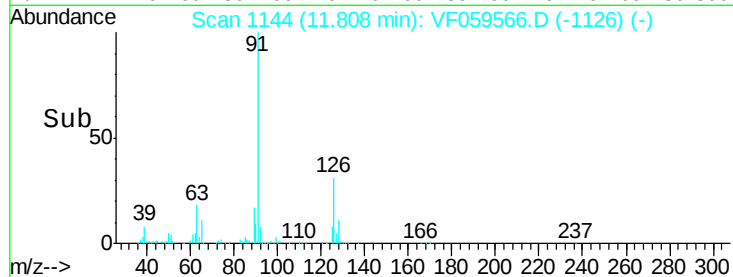
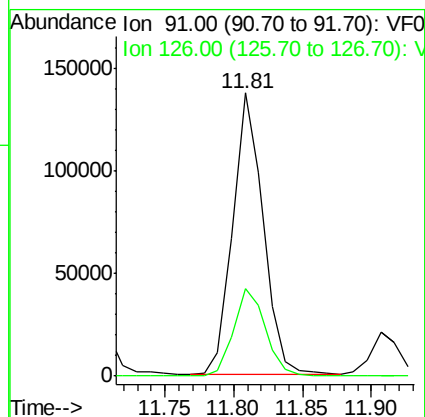
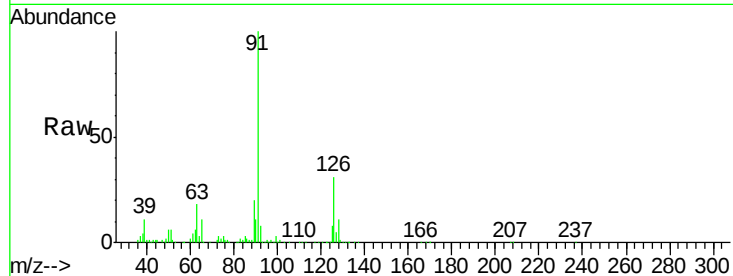
ClientSampled :

Tot Ion: 91 Resp: 210914

Ion Ratio Lower Upper

91 100

126 30.9 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 22.573 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VF059566.D

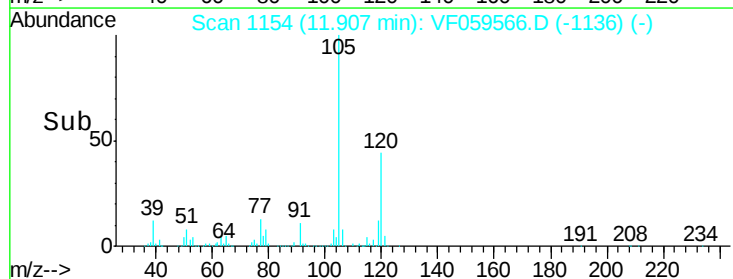
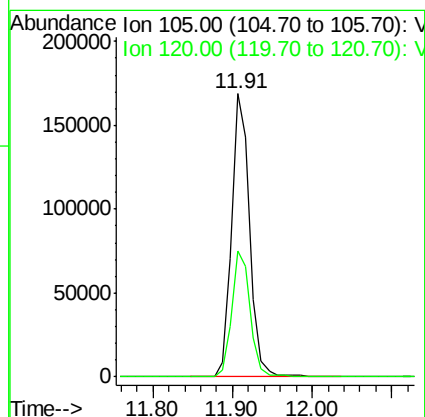
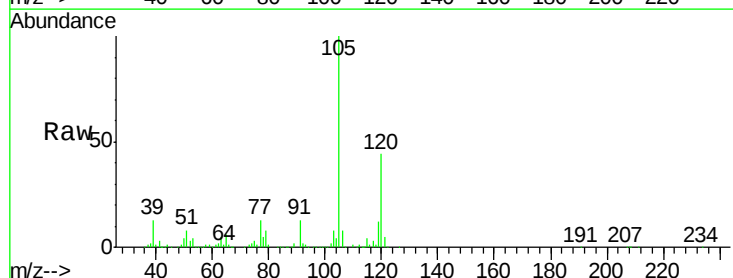
Acq: 19 Jul 2018 20:29

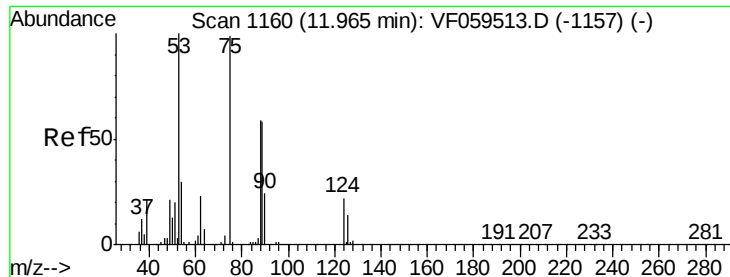
Tgt Ion:105 Resp: 269765

Ion Ratio Lower Upper

105 100

120 44.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 22.525 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

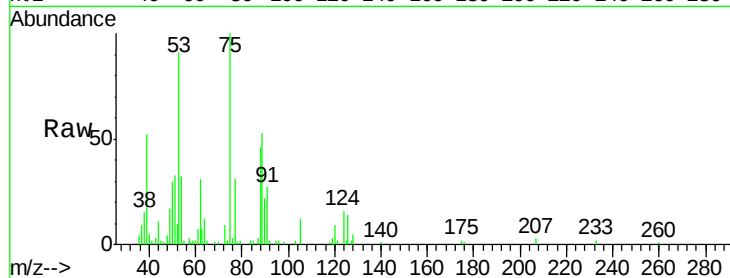
Tot Ion: 75 Resp: 26137

Ion Ratio Lower Upper

75 100

53 90.6 84.6 127.0

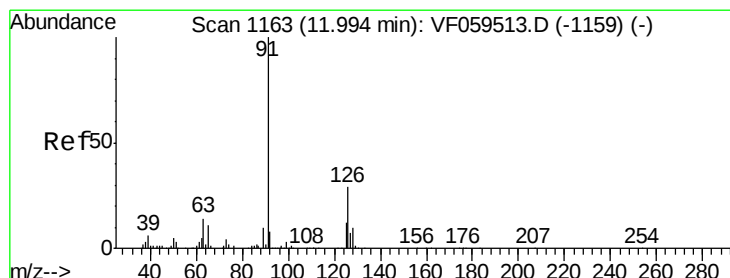
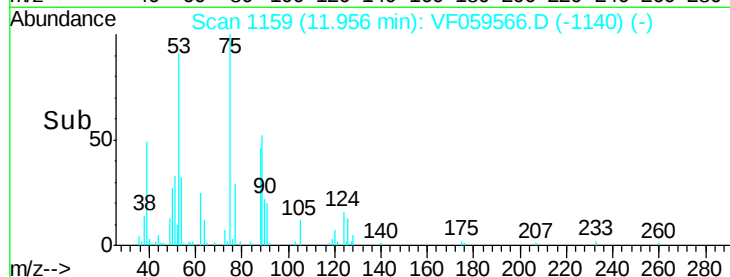
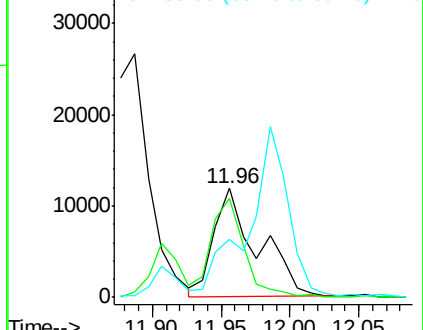
89 52.7 48.2 72.4



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: 21.427 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059566.D

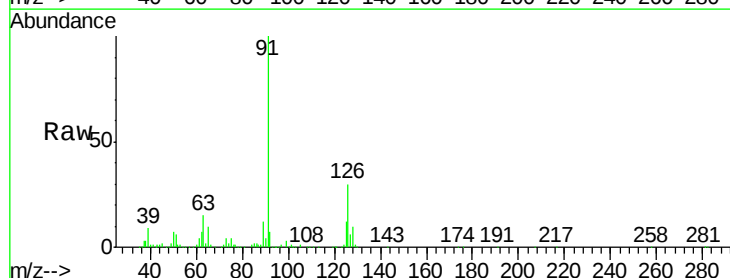
Acq: 19 Jul 2018 20:29

Tgt Ion: 91 Resp: 241934

Ion Ratio Lower Upper

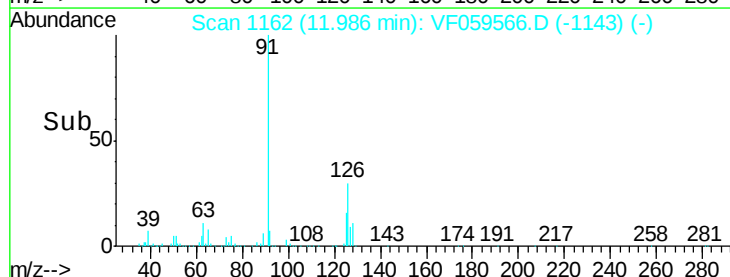
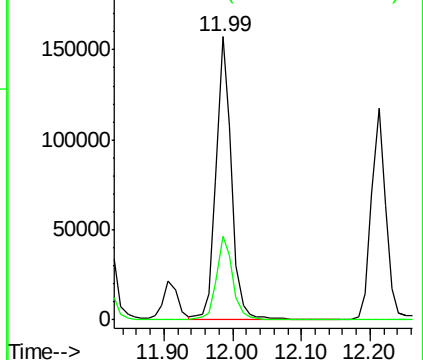
91 100

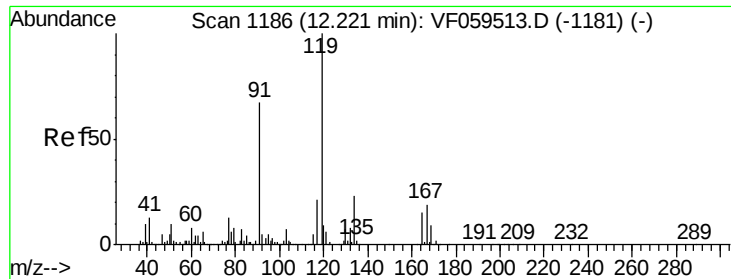
126 29.5 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

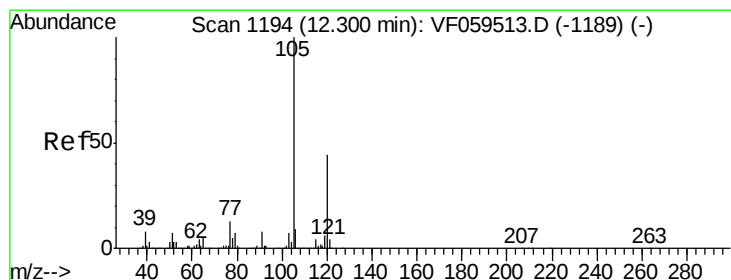
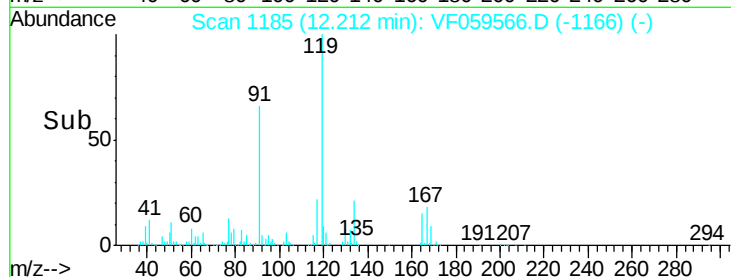
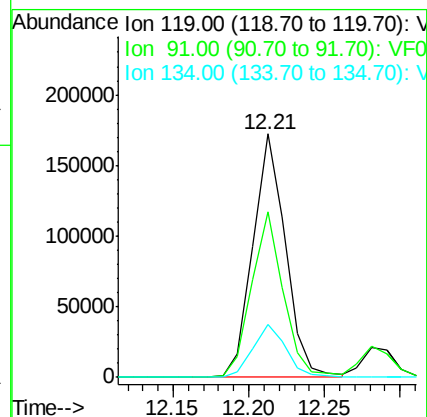
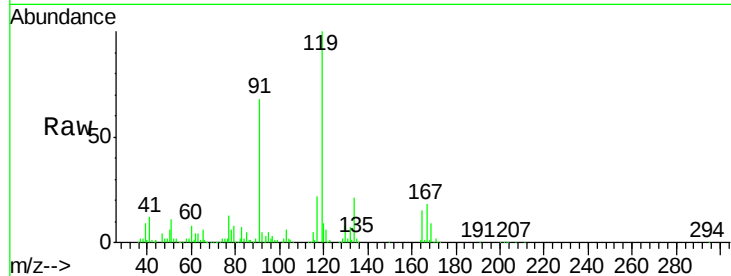




#83
tert-Butylbenzene
Concen: 22.665 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

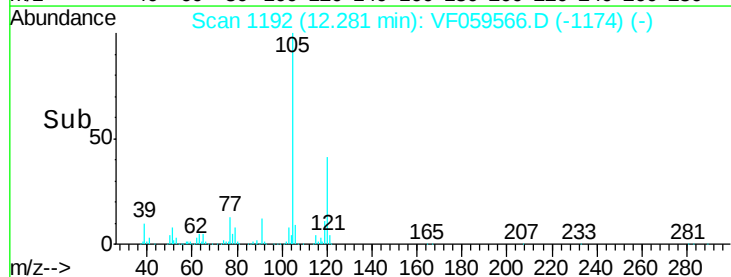
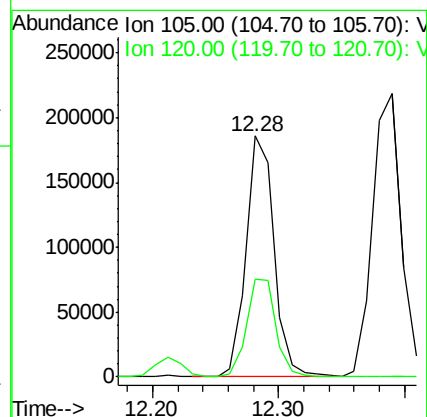
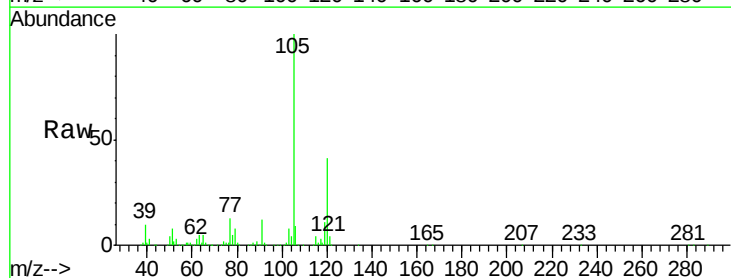
Instrument :
MSVOA_F
ClientSampleId :

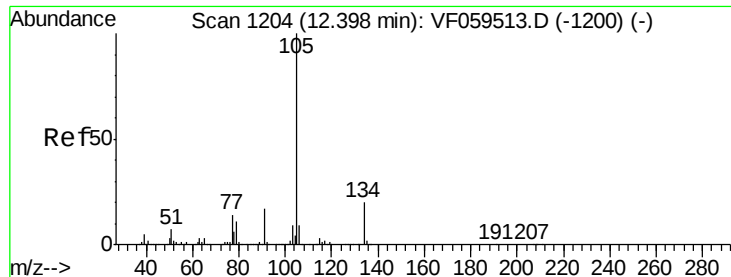
Tot Ion:119 Resp: 259955
Ion Ratio Lower Upper
119 100
91 68.1 33.5 100.5
134 21.5 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 23.163 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion:105 Resp: 284788
Ion Ratio Lower Upper
105 100
120 40.7 22.5 67.5

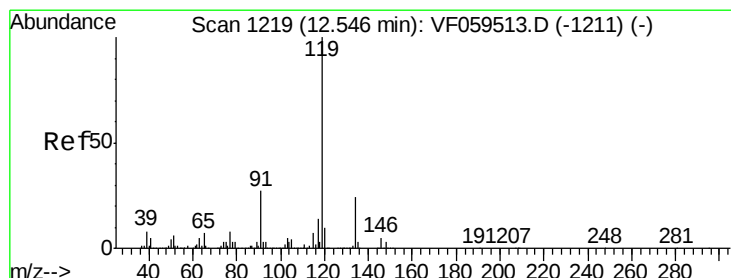
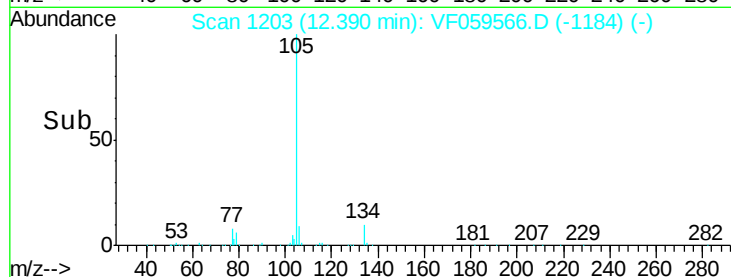
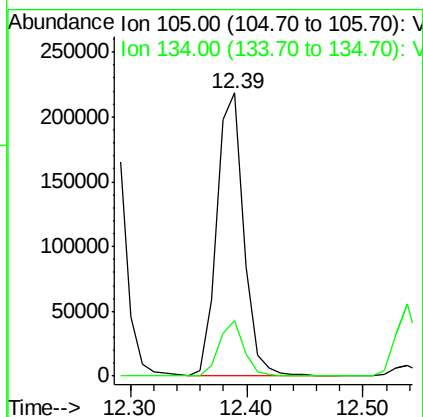
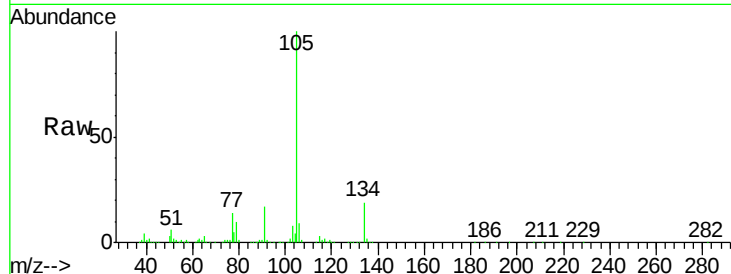




#85
 sec-Butylbenzene
 Concen: 23.904 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

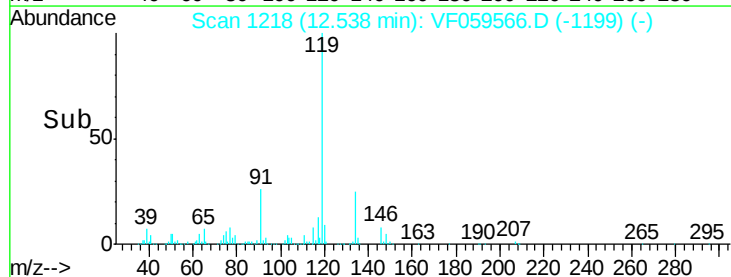
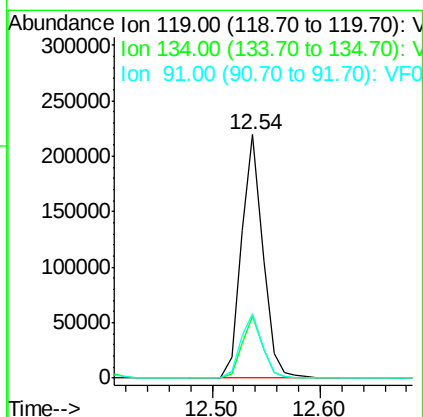
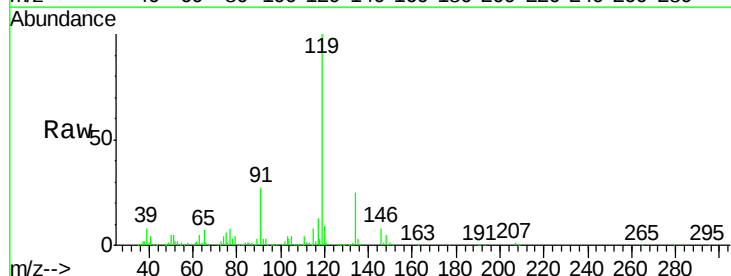
Instrument :
 MSVOA_F
 ClientSampleId :

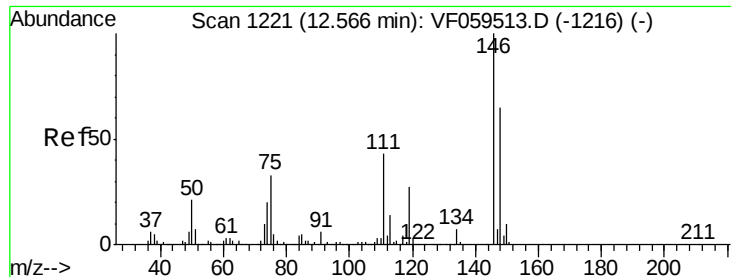
Tot Ion:105 Resp: 348688
 Ion Ratio Lower Upper
 105 100
 134 19.5 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 23.798 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion:119 Resp: 302035
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.0 36.0
 91 26.5 13.5 40.4

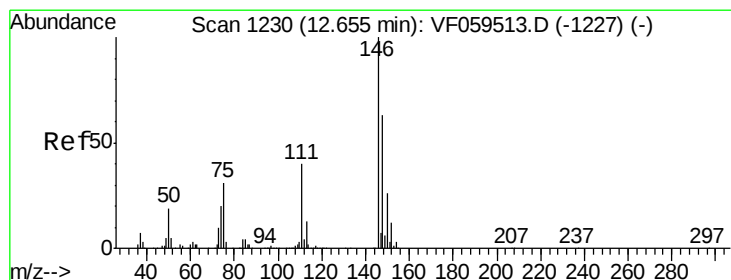
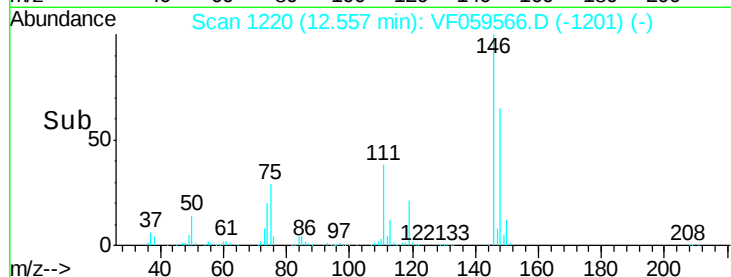
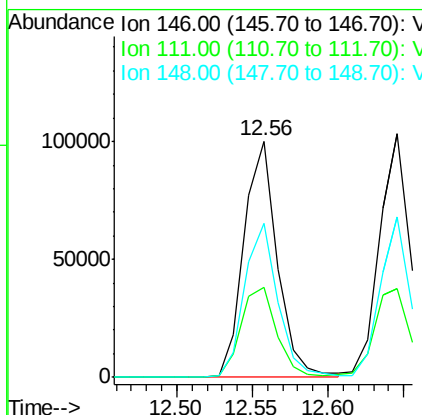
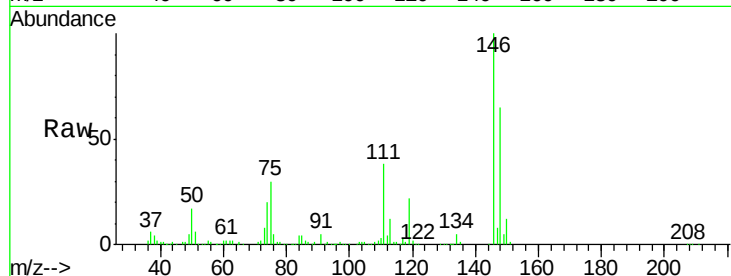




#87
 1,3-Dichlorobenzene
 Concen: 22.487 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

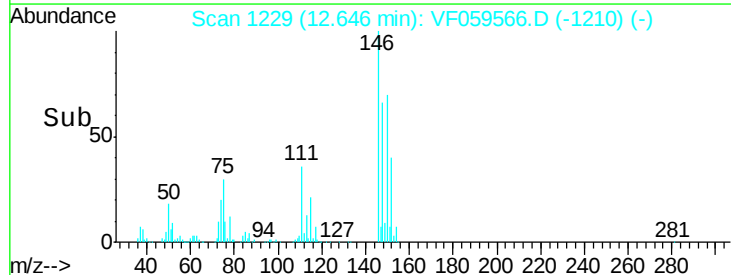
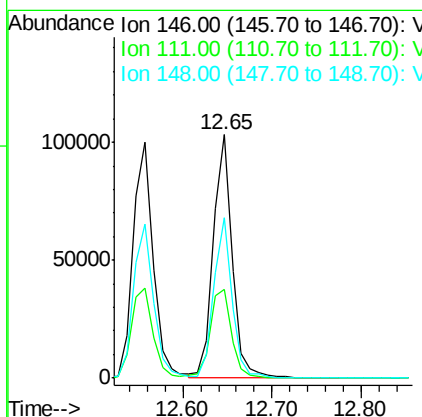
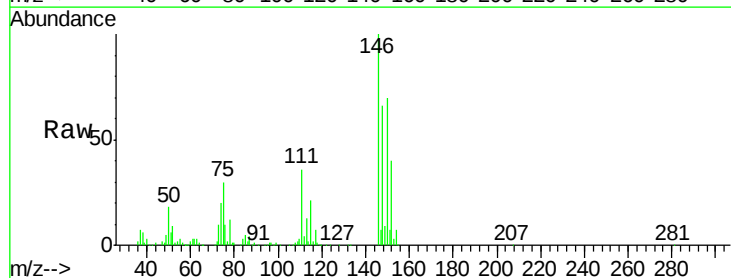
Instrument :
 MSVOA_F
 ClientSampleId :

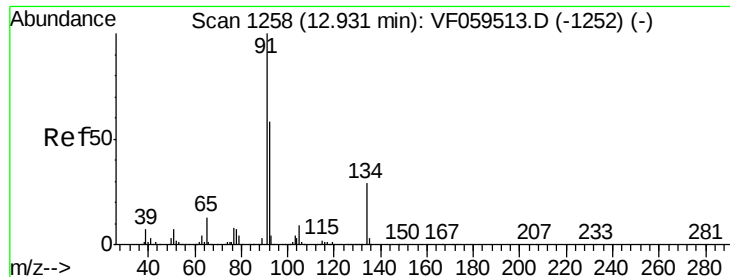
Tot Ion:146 Resp: 154218
 Ion Ratio Lower Upper
 146 100
 111 38.0 21.4 64.3
 148 65.0 32.7 98.1



#88
 1,4-Dichlorobenzene
 Concen: 22.616 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion:146 Resp: 152835
 Ion Ratio Lower Upper
 146 100
 111 36.4 20.0 59.9
 148 65.9 31.5 94.5

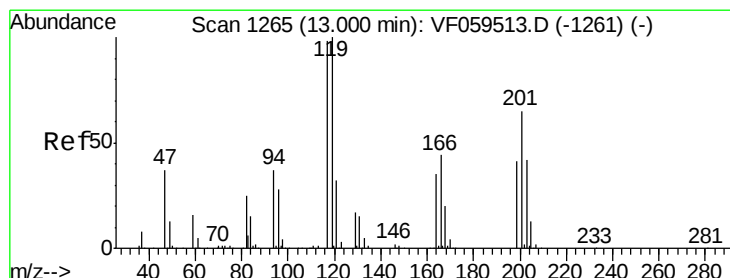
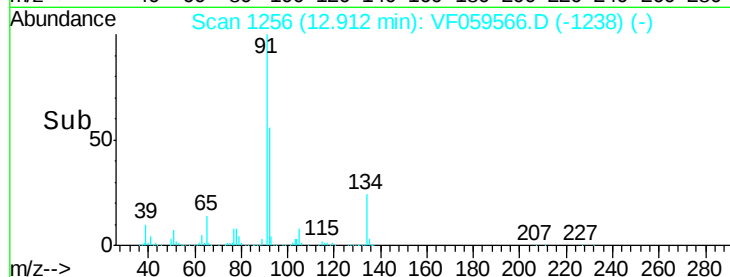
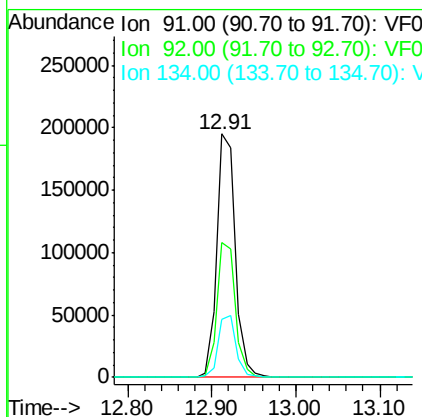
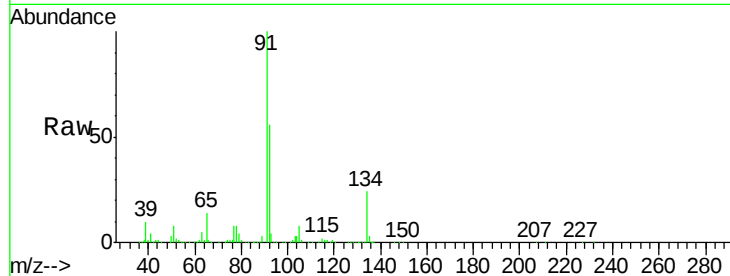




#89
n-Butylbenzene
Concen: 25.189 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

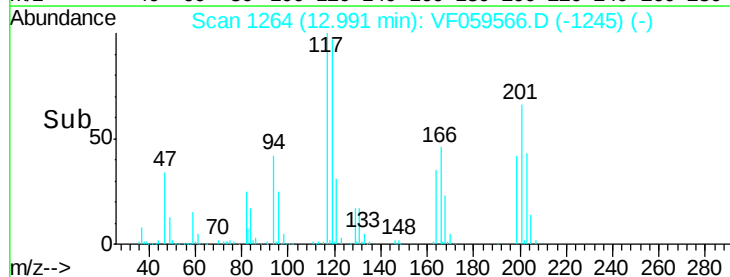
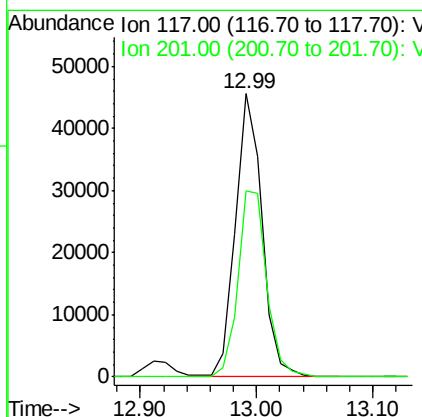
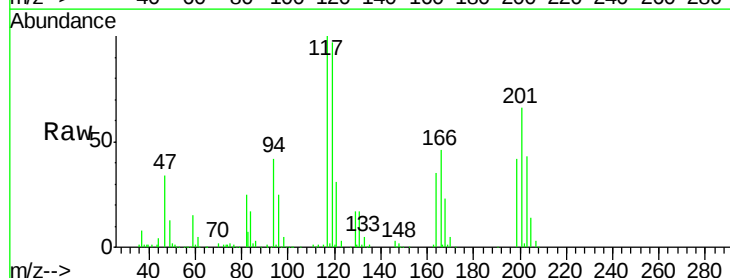
Instrument :
MSVOA_F
ClientSampled :

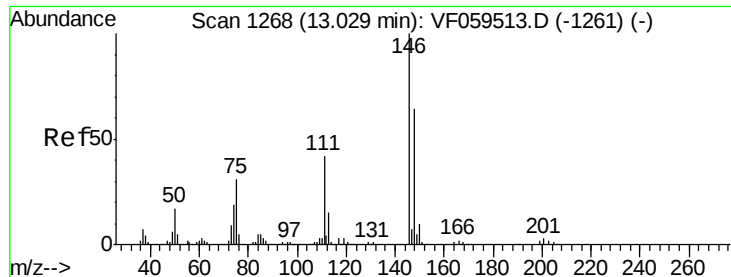
Tot Ion: 91 Resp: 299186
Ion Ratio Lower Upper
91 100
92 55.6 29.1 87.3
134 23.6 14.3 42.9



#90
Hexachloroethane
Concen: 25.089 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion: 117 Resp: 72329
Ion Ratio Lower Upper
117 100
201 68.1 32.6 98.0





#91

1,2-Dichlorobenzene

Concen: 23.160 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

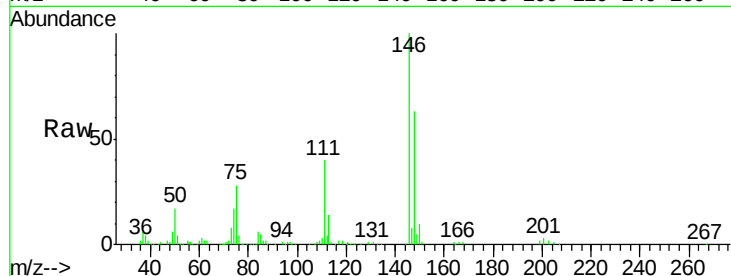
Tot Ion:146 Resp: 151911

Ion Ratio Lower Upper

146 100

111 39.8 21.1 63.1

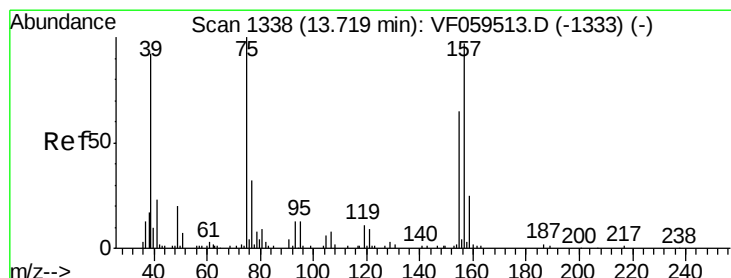
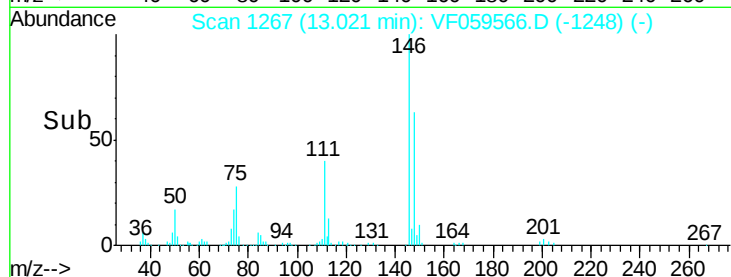
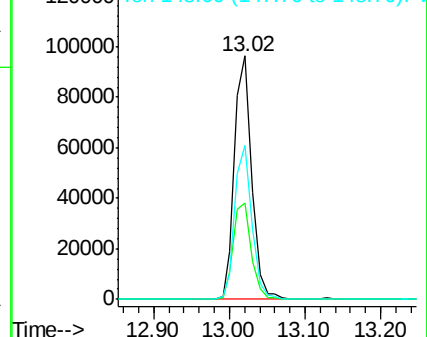
148 63.1 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.948 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

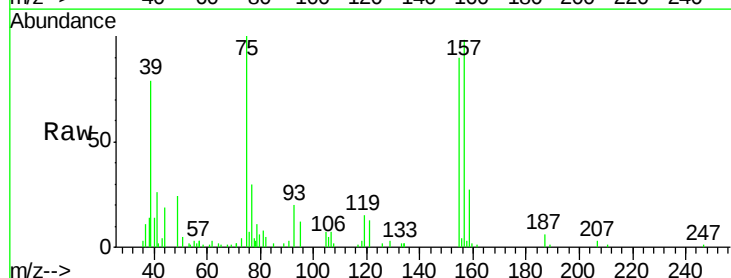
Tgt Ion: 75 Resp: 11944

Ion Ratio Lower Upper

75 100

155 90.2 32.8 98.3

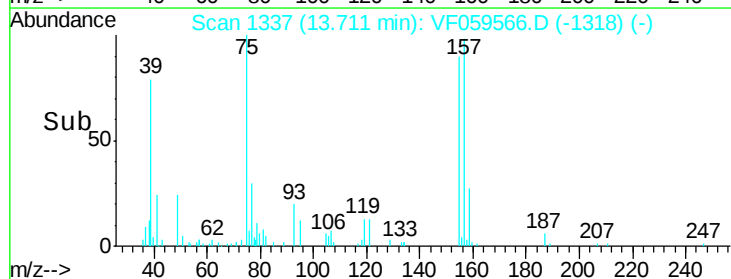
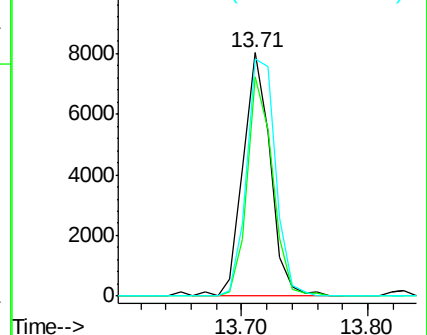
157 97.6 48.5 145.5

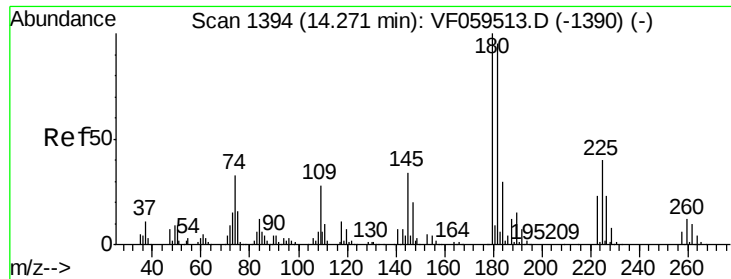


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

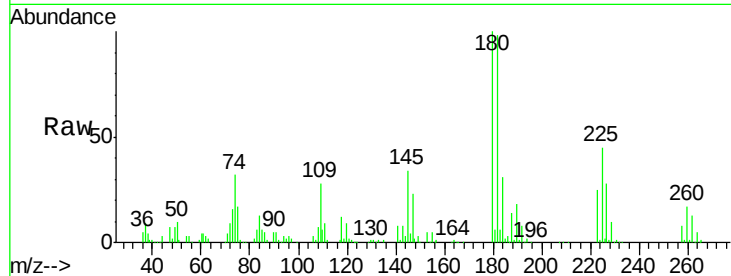




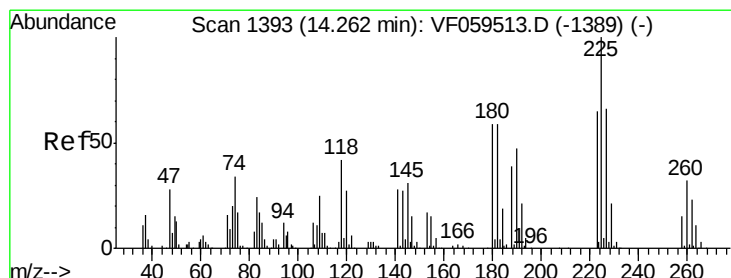
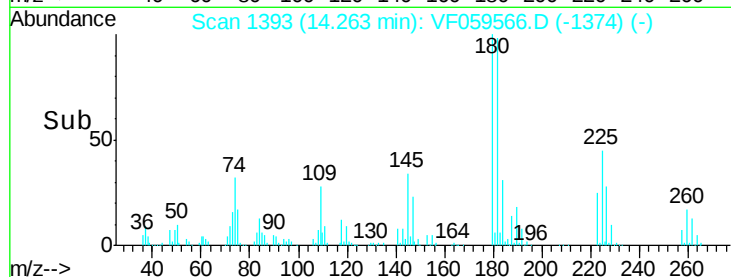
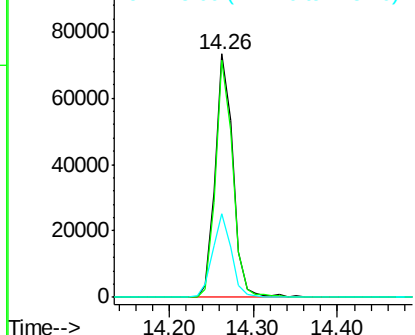
#93
 1,2,4-Trichlorobenzene
 Concen: 27.085 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 107950
 Ion Ratio Lower Upper
 180 100
 182 97.6 47.5 142.5
 145 34.1 17.3 51.7

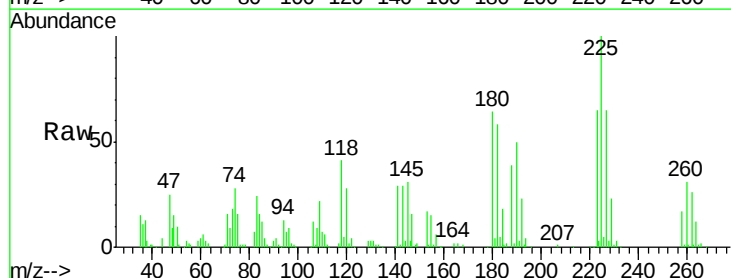


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

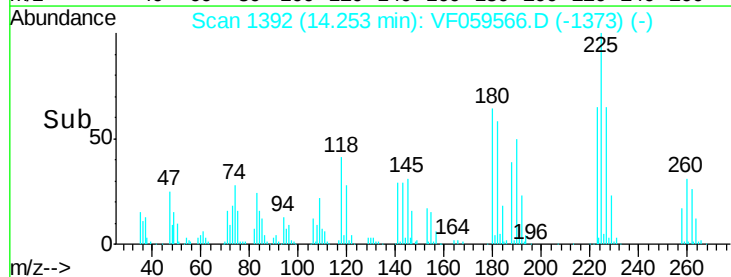
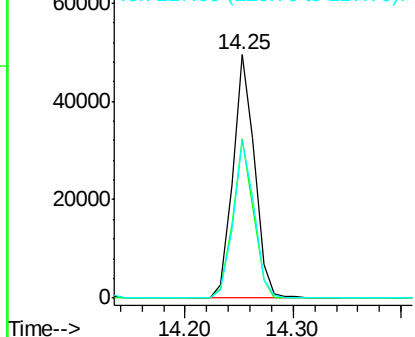


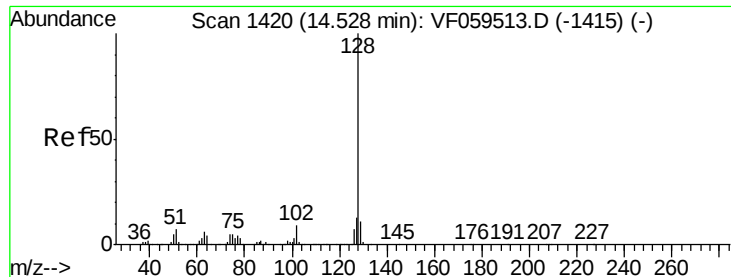
#94
 Hexachlorobutadiene
 Concen: 33.767 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion:225 Resp: 68942
 Ion Ratio Lower Upper
 225 100
 223 65.4 32.3 96.8
 227 64.6 33.2 99.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 21.156 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

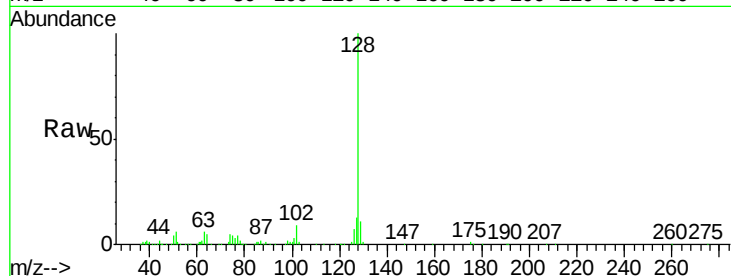
Tot Ion:128 Resp: 175162

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

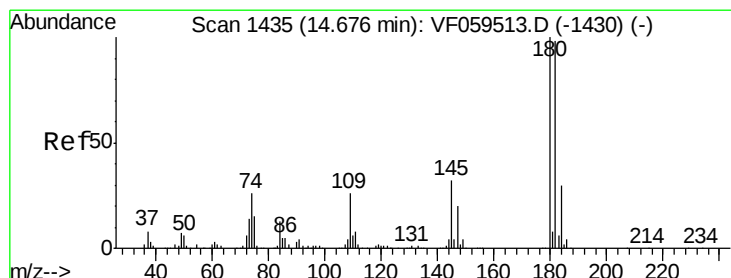
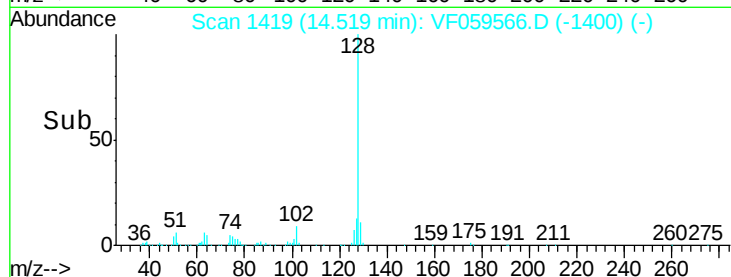
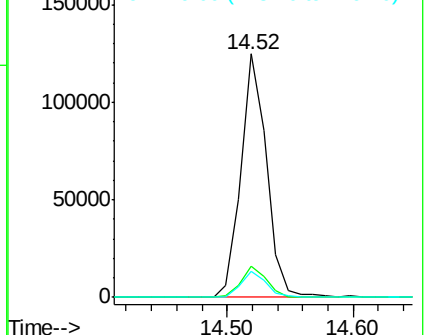
129 10.8 9.0 13.4



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



#96

1,2,3-Trichlorobenzene

Concen: 28.016 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

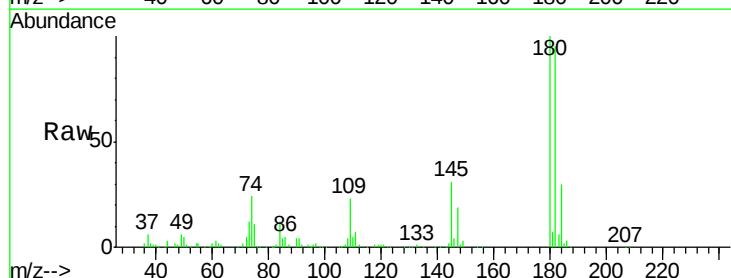
Tgt Ion:180 Resp: 100886

Ion Ratio Lower Upper

180 100

182 95.2 48.8 146.4

145 30.6 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

