

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059516.D
 Acq On : 17 Jul 2018 19:23
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 18 01:45:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	255533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	391843	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	373112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	209174	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	564990	146.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.96%	
35) Dibromofluoromethane	4.32	113	468856	137.77	ug/l	0.01
Spiked Amount	50.000		Recovery	=	275.54%	
50) Toluene-d8	7.73	98	1117338	132.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	265.50%	
62) 4-Bromofluorobenzene	11.52	95	577515	129.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	258.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	450858	155.014	ug/l	99
3) Chloromethane	1.09	50	255873	156.068	ug/l	95
4) Vinyl Chloride	1.15	62	266123	155.835	ug/l	100
5) Bromomethane	1.34	94	177465	149.203	ug/l	98
6) Chloroethane	1.43	64	133262	149.131	ug/l #	86
7) Trichlorofluoromethane	1.53	101	610250	155.685	ug/l	97
8) Diethyl Ether	1.71	74	120563	153.525	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	247840	133.108	ug/l	93
10) Methyl Iodide	1.97	142	485924	154.842	ug/l	96
11) Tert butyl alcohol	2.70	59	120430	673.198	ug/l #	92
12) 1,1-Dichloroethene	1.86	96	285677	158.855	ug/l	95
13) Acrolein	2.10	56	44477	445.020	ug/l	100
14) Allyl chloride	2.20	41	355193	150.596	ug/l	93
15) Acrylonitrile	3.09	53	232304	703.683	ug/l	95
16) Acetone	2.35	43	397948	607.435	ug/l	100
17) Carbon Disulfide	1.88	76	716031	146.686	ug/l	98
18) Methyl Acetate	2.54	43	276693	205.706	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	847274	144.047	ug/l	98
20) Methylene Chloride	2.32	84	259902	110.808	ug/l	89
21) trans-1,2-Dichloroethene	2.41	96	262564	160.274	ug/l	99
22) Diisopropyl ether	2.94	45	1010209	149.406	ug/l	98
23) Vinyl Acetate	3.35	43	2741858	697.811	ug/l	98
24) 1,1-Dichloroethane	3.01	63	609906	158.895	ug/l	98
25) 2-Butanone	4.53	43	608066	638.545	ug/l	100
26) 2,2-Dichloropropane	3.78	77	344107	133.580	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	306469	136.855	ug/l	97
28) Bromochloromethane	3.90	49	254194	142.814	ug/l	98
29) Tetrahydrofuran	4.28	42	261822	640.075	ug/l	98
30) Chloroform	4.05	83	866928	150.375	ug/l	99
31) Cyclohexane	3.87	56	327285	150.963	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	554469	138.648	ug/l	97
36) 1,1-Dichloropropene	4.47	75	552645	138.494	ug/l	97
37) Ethyl Acetate	4.32	43	287491	117.707	ug/l	93
38) Carbon Tetrachloride	4.18	117	634222	137.071	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	402339	133.887	ug/l	98
40) Benzene	4.82	78	1060860	136.825	ug/l	99
41) Methacrylonitrile	4.94	41	146611	124.516	ug/l #	87
42) 1,2-Dichloroethane	5.14	62	687698	138.552	ug/l	99
43) Isopropyl Acetate	7.13	43	398344	136.190	ug/l	98
44) Trichloroethene	5.69	130	377816	135.169	ug/l	96
45) 1,2-Dichloropropane	6.42	63	285319	129.752	ug/l	98
46) Dibromomethane	6.27	93	269765	137.327	ug/l	94
47) Bromodichloromethane	6.56	83	700839	139.624	ug/l	99
48) Methyl methacrylate	6.89	41	294201	139.573	ug/l	98
49) 1,4-Dioxane	6.88	88	21387	2243.166	ug/l #	82
51) 4-Methyl-2-Pentanone	8.43	43	1257864	613.021	ug/l	98
52) Toluene	7.80	92	728535	130.665	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	619301	139.594	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	624170	135.601	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	295638	133.130	ug/l	97
56) Ethyl methacrylate	8.78	69	371932	132.982	ug/l	96
57) 1,3-Dichloropropane	9.02	76	527901	139.725	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.80	63	151104	646.990	ug/l	100
59) 2-Hexanone	9.65	43	1001289	621.959	ug/l	97
60) Dibromochloromethane	8.88	129	508494	141.089	ug/l	97
61) 1,2-Dibromoethane	9.16	107	382157	142.188	ug/l	98
64) Tetrachloroethene	8.32	164	380480	129.342	ug/l	96
65) Chlorobenzene	9.96	112	963790	137.333	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.09	131	430454	135.484	ug/l	97
67) Ethyl Benzene	10.05	91	1632450	130.379	ug/l	97
68) m/p-Xylenes	10.29	106	1127145	251.326	ug/l	88
69) o-Xylene	10.84	106	637066	136.693	ug/l	97
70) Styrene	10.91	104	952297	129.150	ug/l	99
71) Bromoform	10.90	173	321632	138.846	ug/l #	98
73) Isopropylbenzene	11.24	105	1757064	131.678	ug/l	96
74) N-amyl acetate	11.47	43	597999	126.284	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.80	83	387470	132.416	ug/l	94
76) 1,2,3-Trichloropropane	11.90	75	318727	132.109	ug/l	95
77) Bromobenzene	11.61	156	507101	134.865	ug/l	97
78) n-propylbenzene	11.70	91	1948407	126.122	ug/l	95
79) 2-Chlorotoluene	11.83	91	1202281	128.767	ug/l	95
80) 1,3,5-Trimethylbenzene	11.93	105	1427438	124.425	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	218646	191.147	ug/l	91
82) 4-Chlorotoluene	12.01	91	1372532	126.874	ug/l	90
83) tert-Butylbenzene	12.22	119	1370176	127.595	ug/l	99
84) 1,2,4-Trimethylbenzene	12.30	105	1471238	128.371	ug/l	95
85) sec-Butylbenzene	12.40	105	1718600	126.710	ug/l	97
86) p-Isopropyltoluene	12.55	119	1482009	123.527	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	816139	126.764	ug/l	99
88) 1,4-Dichlorobenzene	12.66	146	843974	135.471	ug/l	95
89) n-Butylbenzene	12.93	91	1375599	124.880	ug/l	95
90) Hexachloroethane	13.00	117	349385	129.350	ug/l	99
91) 1,2-Dichlorobenzene	13.03	146	768919	128.109	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	99675	153.425	ug/l	91

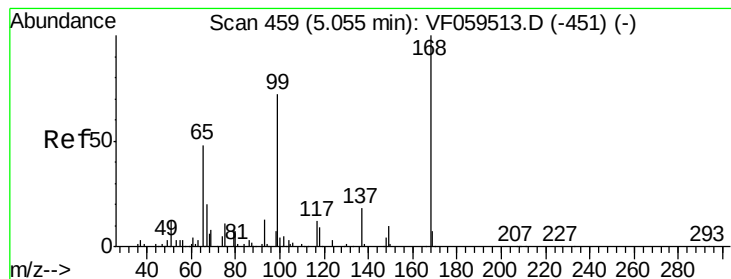
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071718\
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Quant Title : SW846 8260
QLast Update : Wed Jul 18 01:41:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	496836	132.371	ug/l	98
94) Hexachlorobutadiene	14.26	225	276003	166.158	ug/l	96
95) Naphthalene	14.53	128	1118336	140.028	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	534577	163.285	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

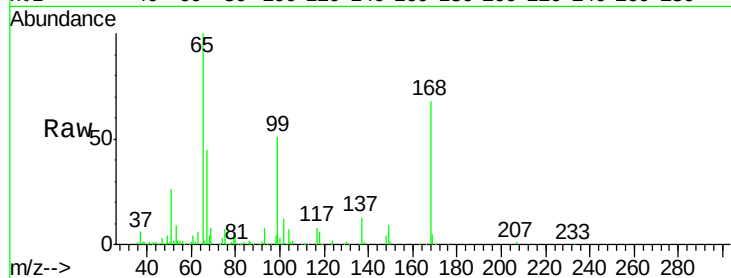
VSTDIC150

Tot Ion:168 Resp: 255533

Ion Ratio Lower Upper

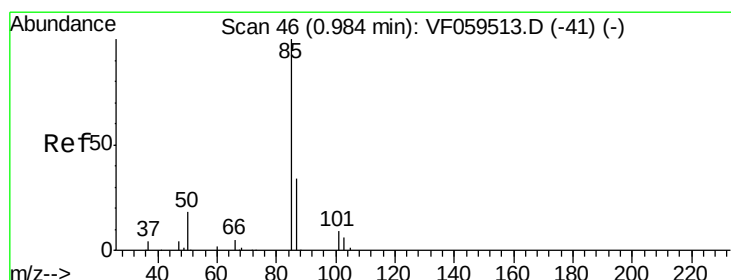
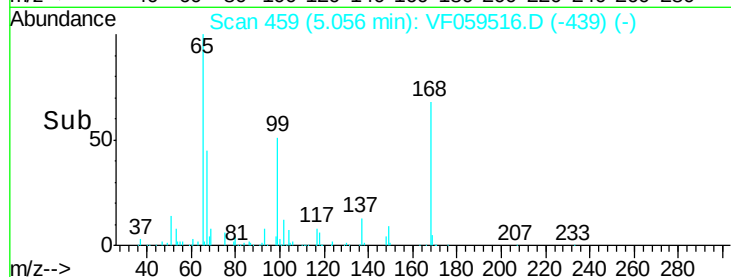
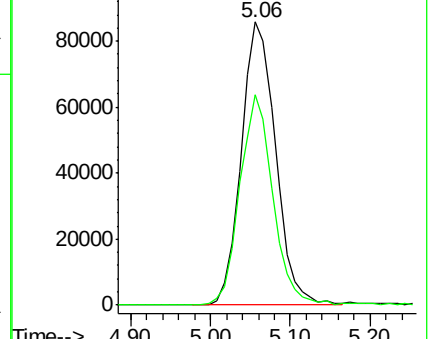
168 100

99 74.6 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 155.014 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059516.D

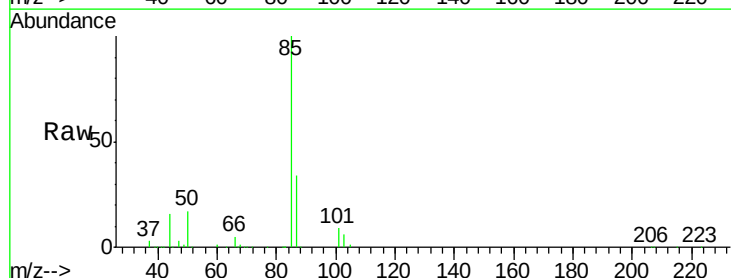
Acq: 17 Jul 2018 19:23

Tgt Ion: 85 Resp: 450858

Ion Ratio Lower Upper

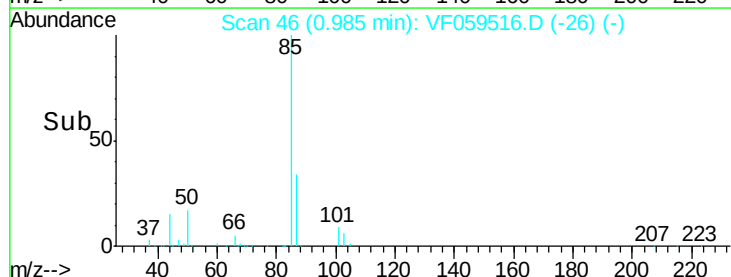
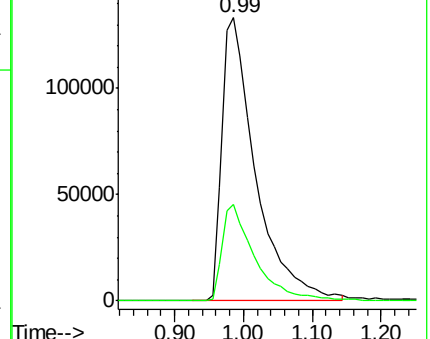
85 100

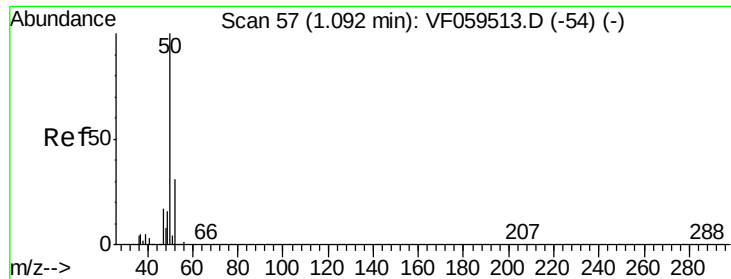
87 34.2 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 156.068 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

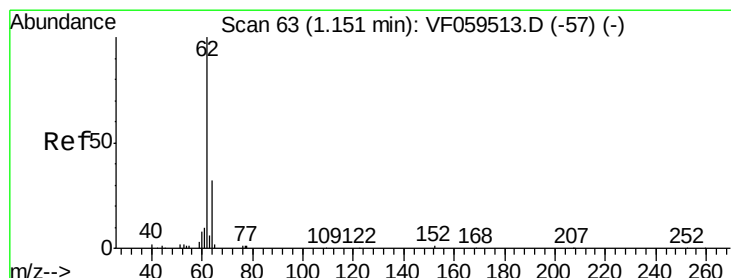
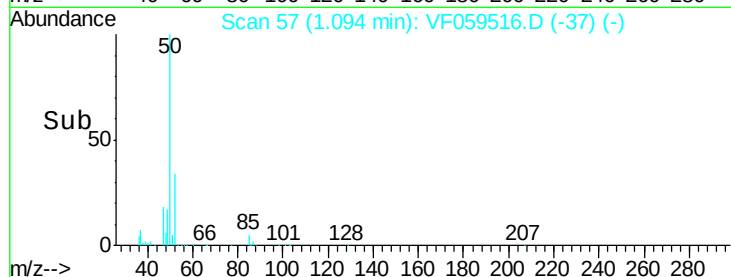
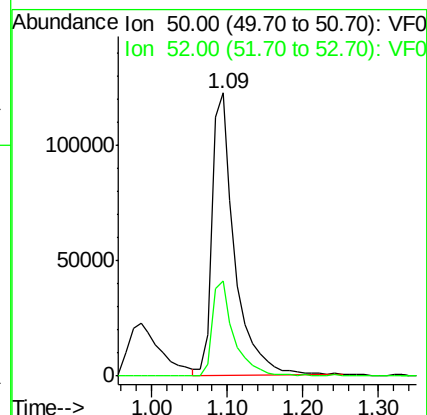
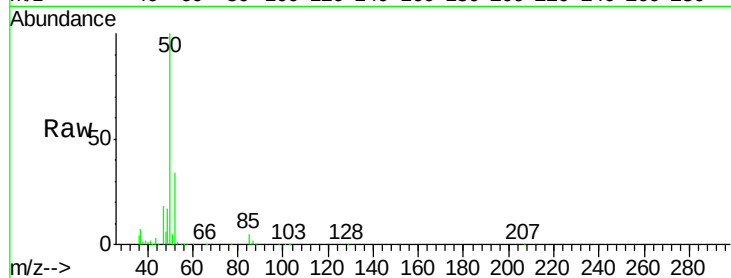
VSTDIC150

Tot Ion: 50 Resp: 255873

Ion Ratio Lower Upper

50 100

52 33.8 24.6 37.0



#4

Vinyl Chloride

Concen: 155.835 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059516.D

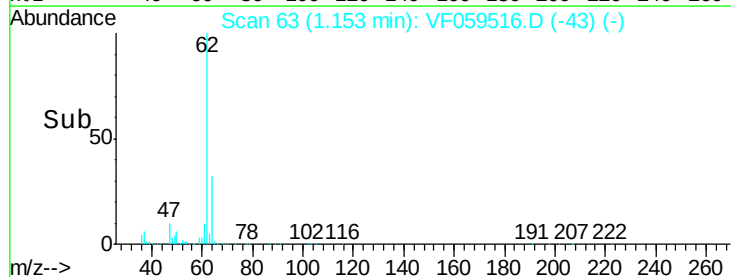
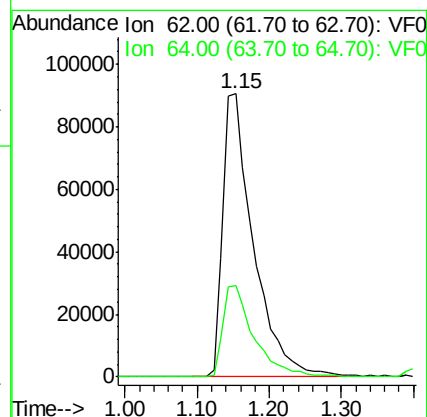
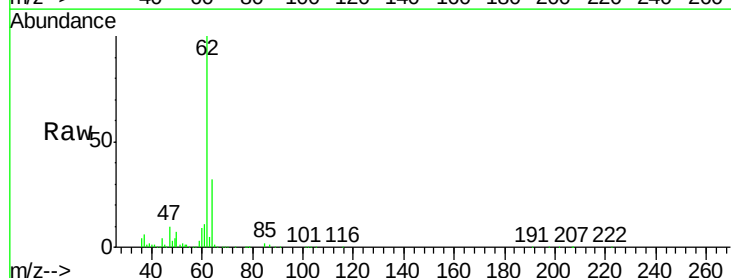
Acq: 17 Jul 2018 19:23

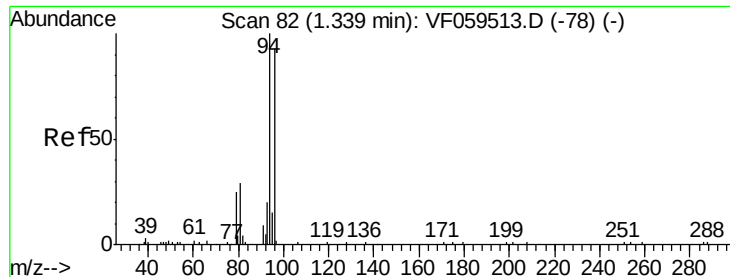
Tgt Ion: 62 Resp: 266123

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 149.203 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

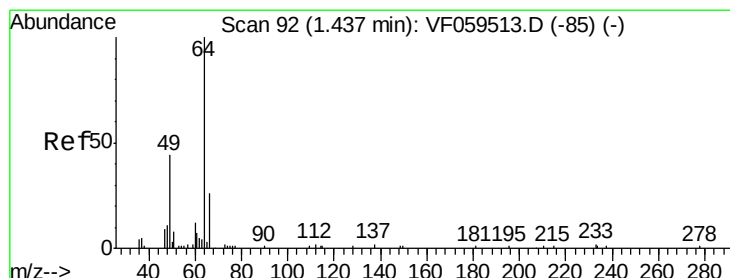
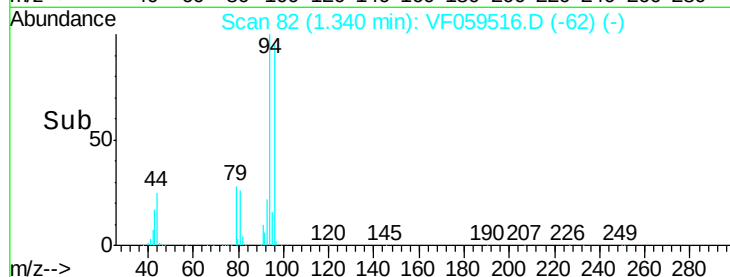
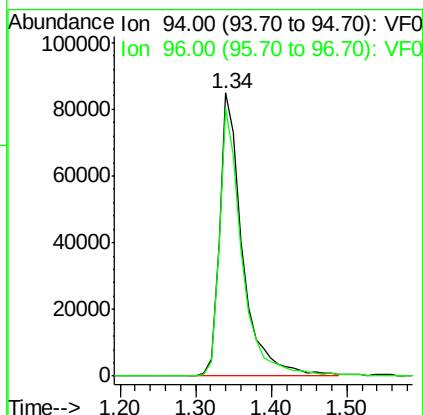
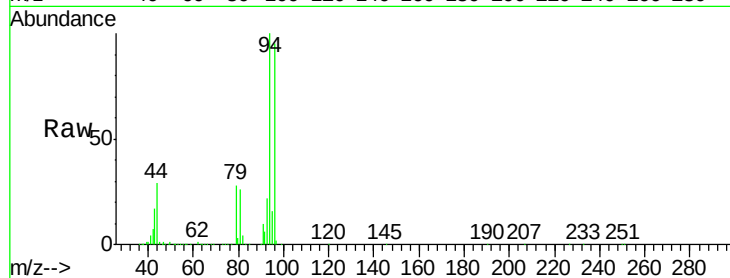
VSTDIC150

Tot Ion: 94 Resp: 177465

Ion Ratio Lower Upper

94 100

96 94.6 74.2 111.2



#6

Chloroethane

Concen: 149.131 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059516.D

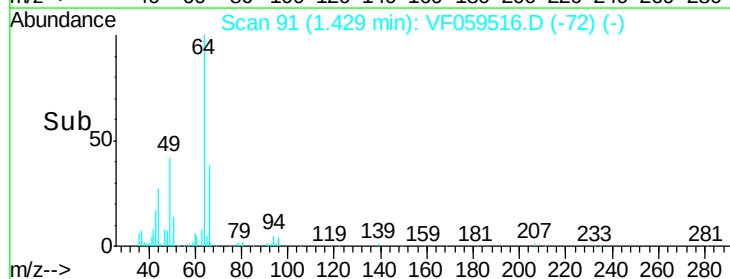
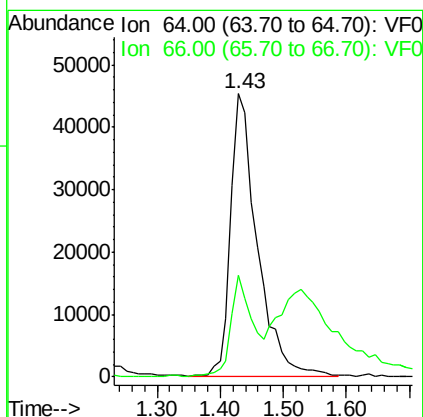
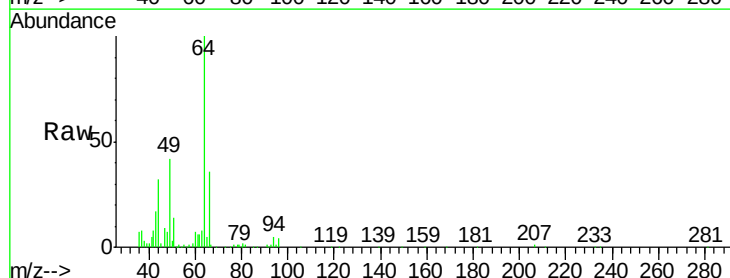
Acq: 17 Jul 2018 19:23

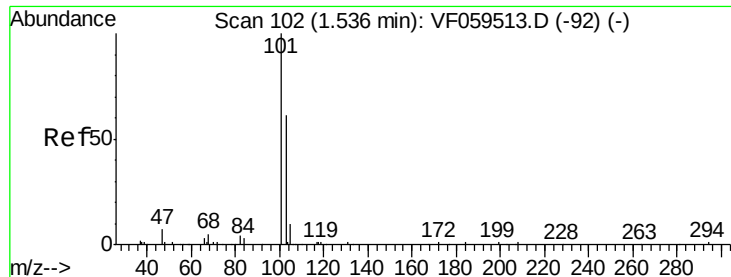
Tgt Ion: 64 Resp: 133262

Ion Ratio Lower Upper

64 100

66 36.1 22.9 34.3#



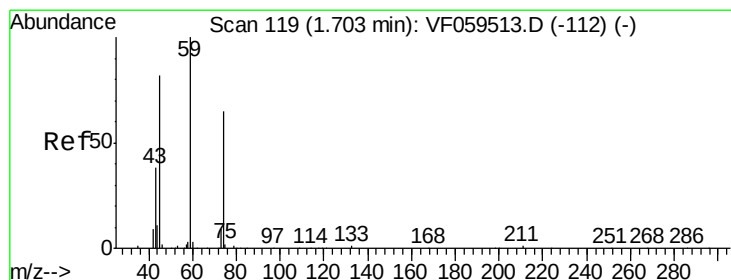
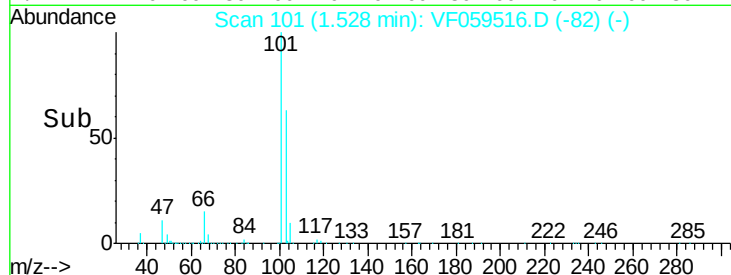
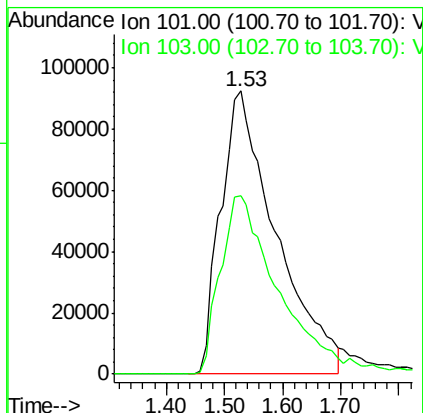
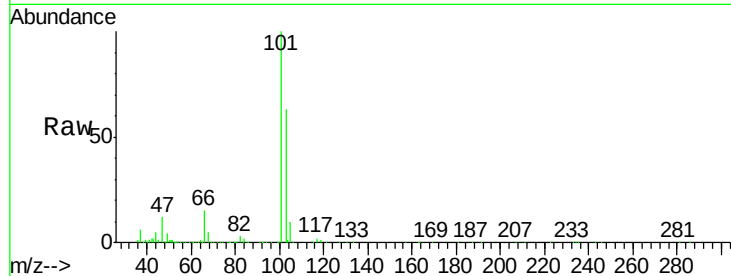


#7

Trichlorofluoromethane
Concen: 155.685 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

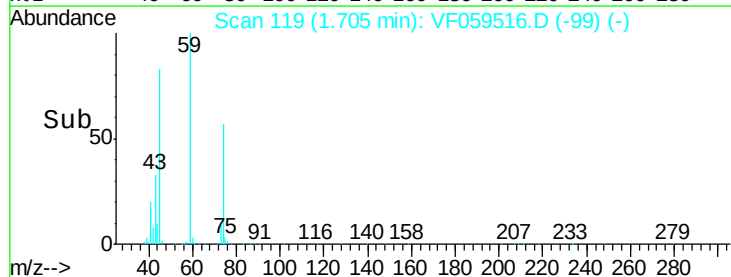
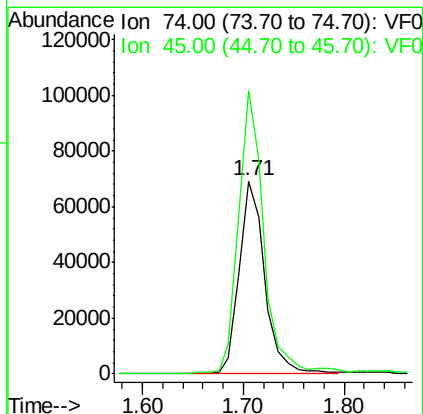
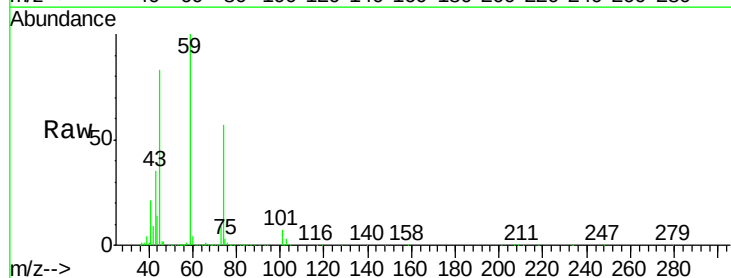
Tot Ion:101 Resp: 610250
Ion Ratio Lower Upper
101 100
103 62.8 48.6 72.8

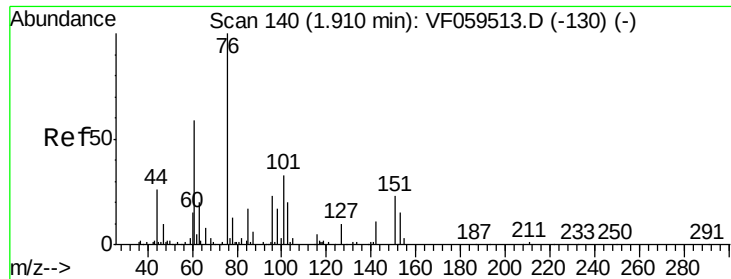


#8

Diethyl Ether
Concen: 153.525 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion: 74 Resp: 120563
Ion Ratio Lower Upper
74 100
45 146.6 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 133.108 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

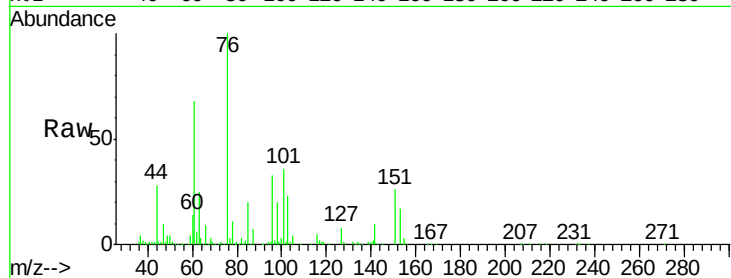
Tot Ion:101 Resp: 247840

Ion Ratio Lower Upper

101 100

85 55.4 39.8 59.6

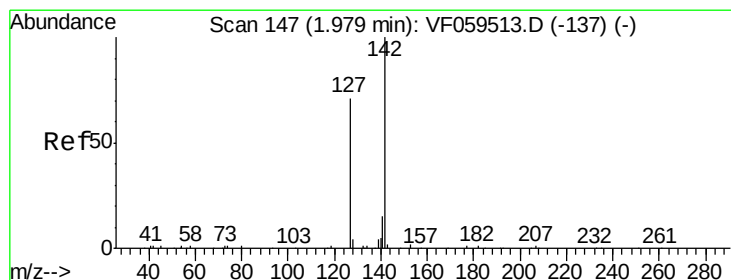
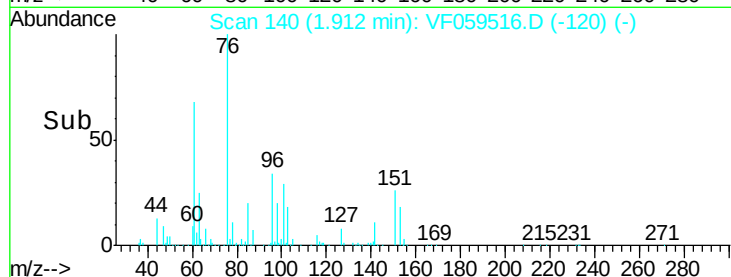
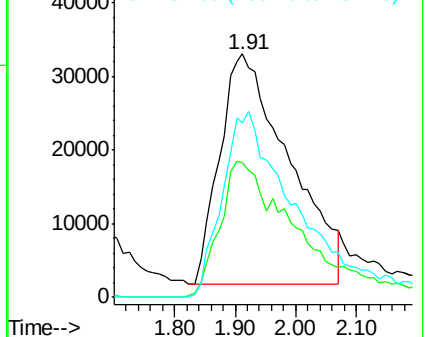
151 71.9 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 154.842 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

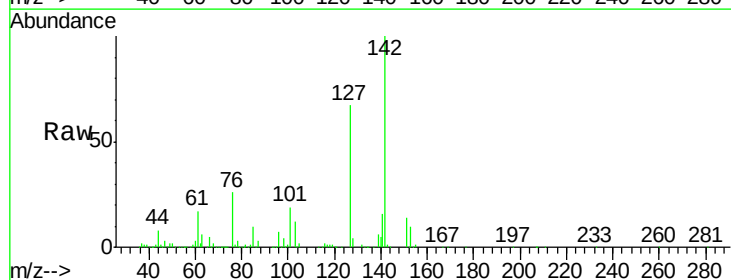
Tgt Ion:142 Resp: 485924

Ion Ratio Lower Upper

142 100

127 67.1 56.4 84.6

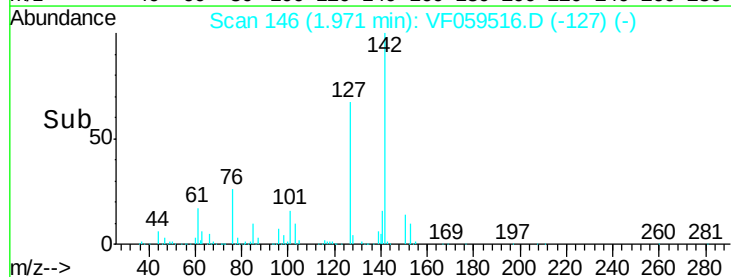
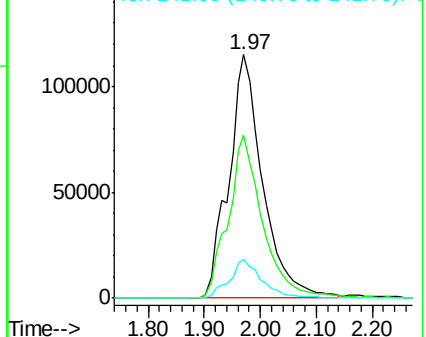
141 16.0 12.0 18.0

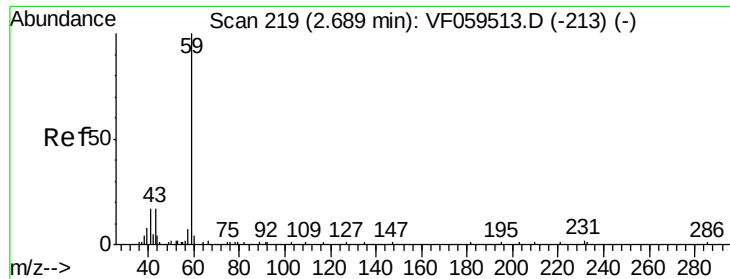


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



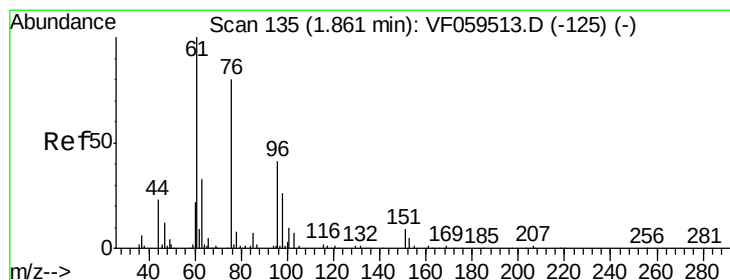
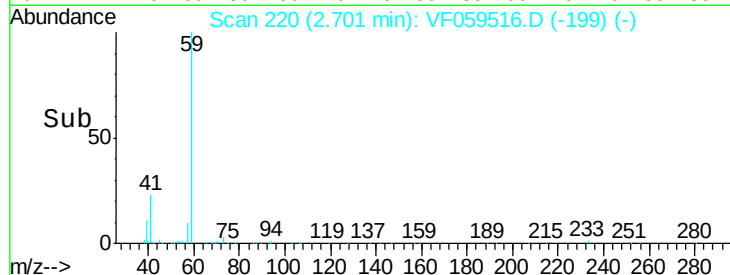
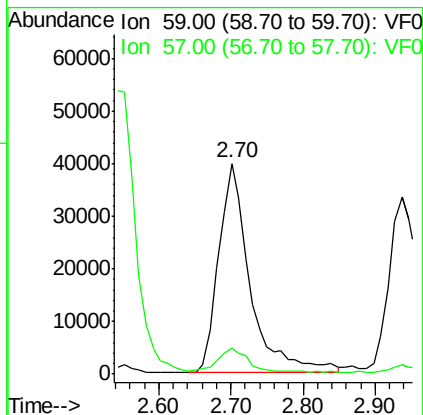
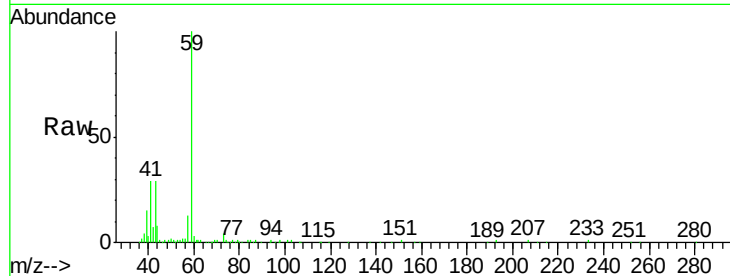


#11

Tert butyl alcohol
 Concen: 673.198 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

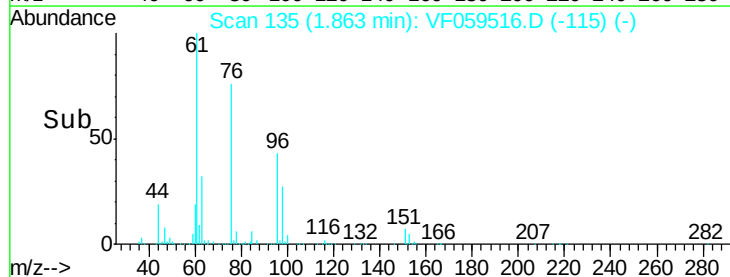
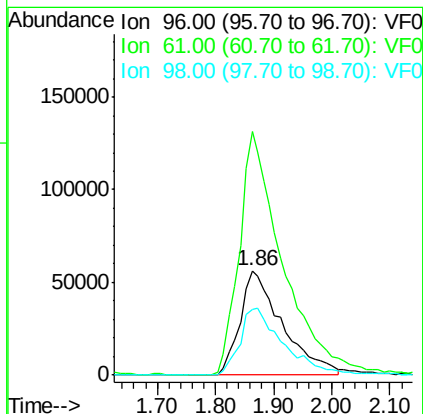
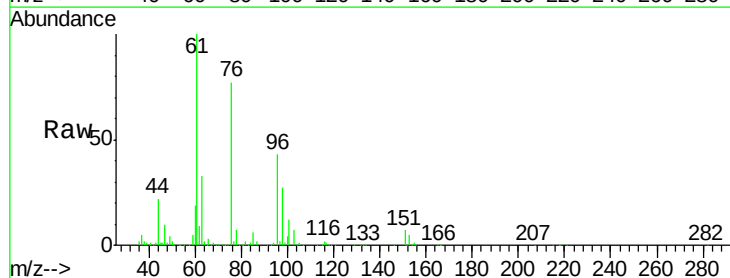
Tot Ion: 59 Resp: 120430
 Ion Ratio Lower Upper
 59 100
 57 12.7 7.7 11.5#

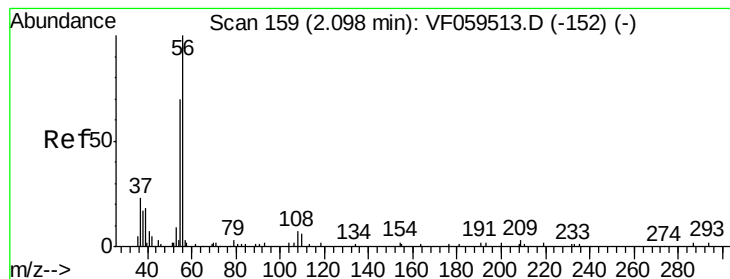


#12

1,1-Dichloroethene
 Concen: 158.855 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Tgt Ion: 96 Resp: 285677
 Ion Ratio Lower Upper
 96 100
 61 233.1 194.3 291.5
 98 63.2 50.3 75.5





#13

Acrolein

Concen: 445.020 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

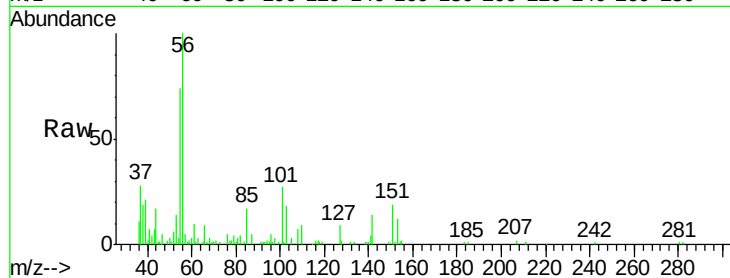
VSTDIC150

Tot Ion: 56 Resp: 44477

Ion Ratio Lower Upper

56 100

55 74.0 59.4 89.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.10

20000

15000

10000

5000

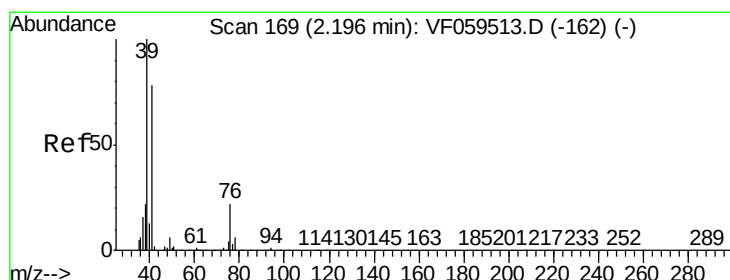
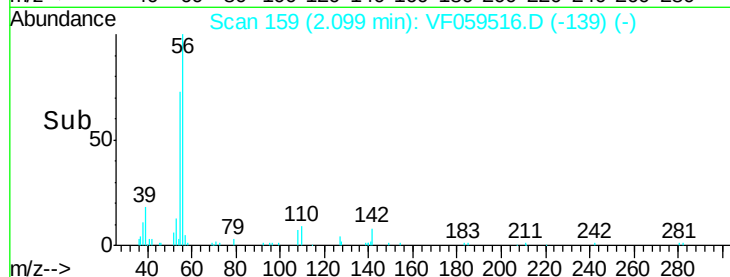
0

Time-->

2.00

2.10

2.20



#14

Allyl chloride

Concen: 150.596 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

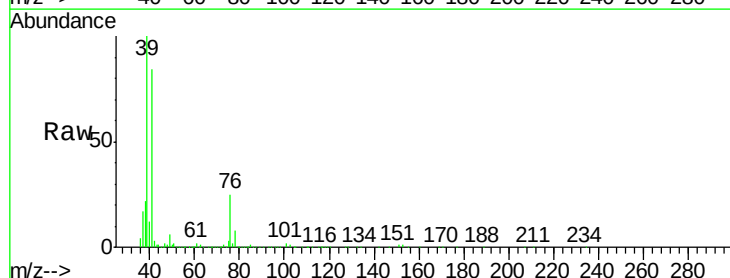
Tgt Ion: 41 Resp: 355193

Ion Ratio Lower Upper

41 100

39 118.9 103.0 154.4

76 29.2 22.6 34.0



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

250000

200000

150000

100000

50000

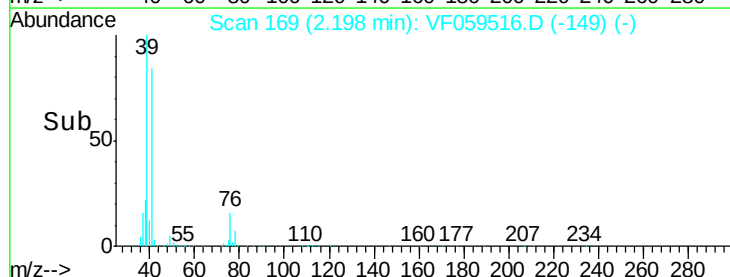
0

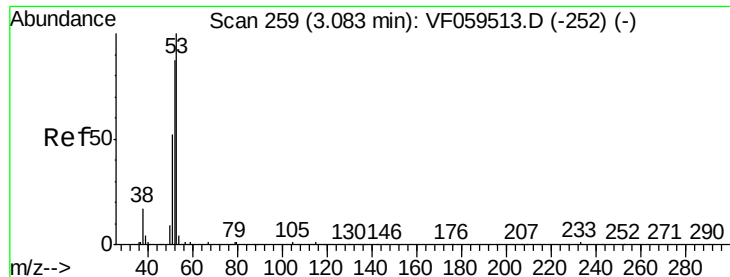
Time-->

2.10

2.20

2.30





#15

Acrylonitrile

Concen: 703.683 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

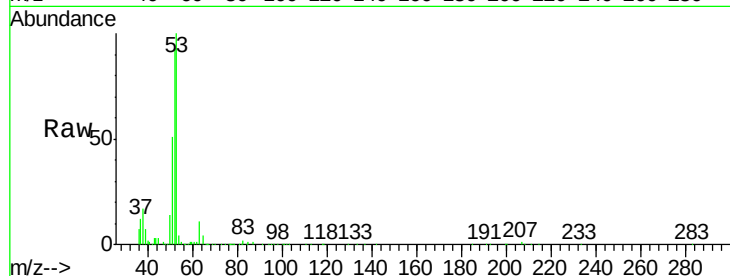
Tot Ion: 53 Resp: 232304

Ion Ratio Lower Upper

53 100

52 92.9 70.1 105.1

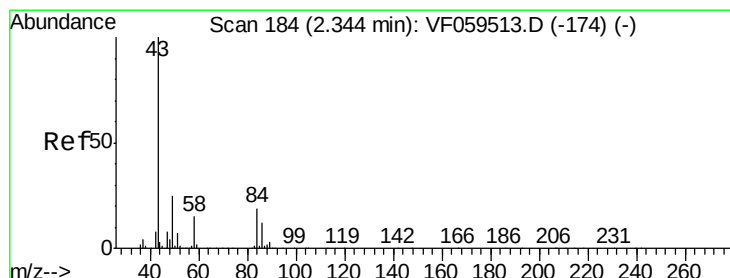
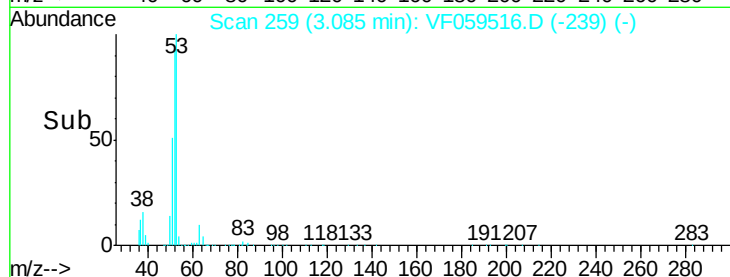
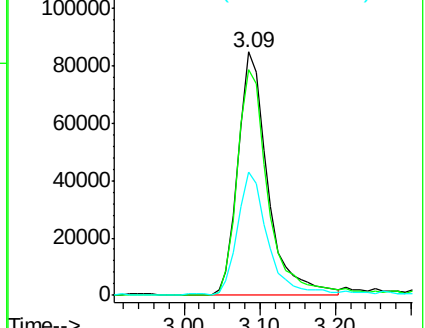
51 50.8 42.5 63.7



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: 607.435 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059516.D

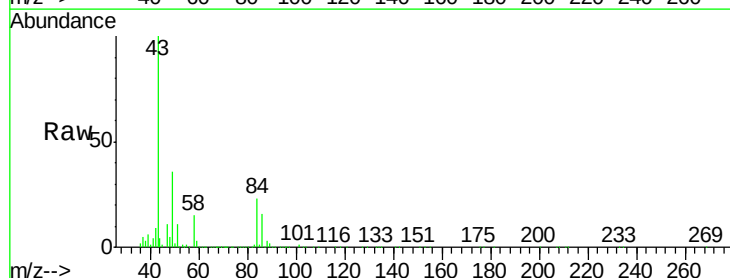
Acq: 17 Jul 2018 19:23

Tgt Ion: 43 Resp: 397948

Ion Ratio Lower Upper

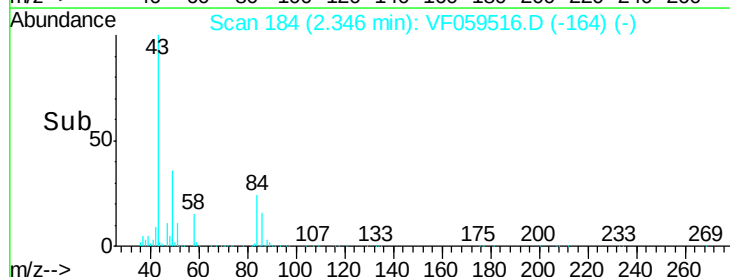
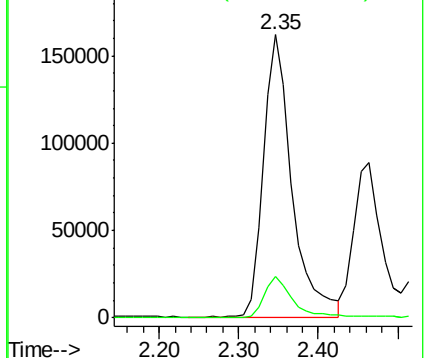
43 100

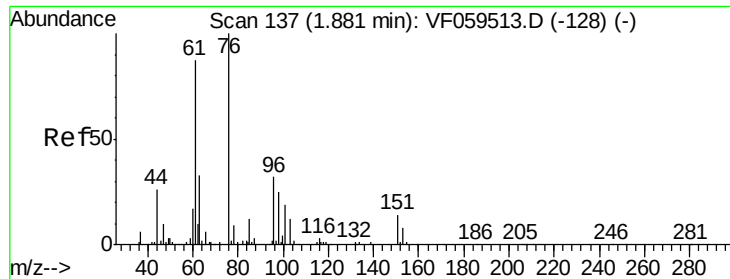
58 14.8 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

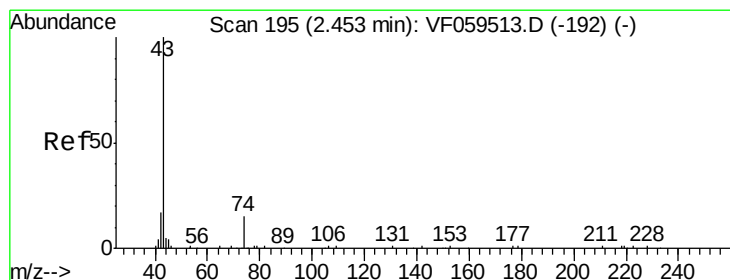
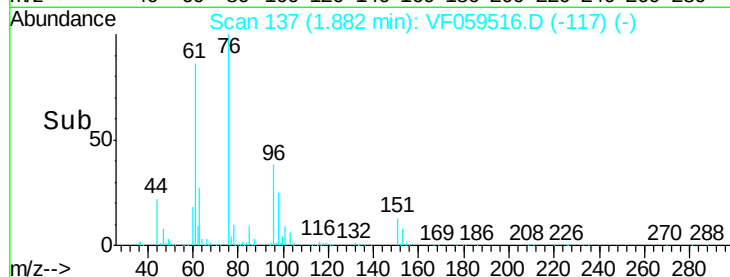
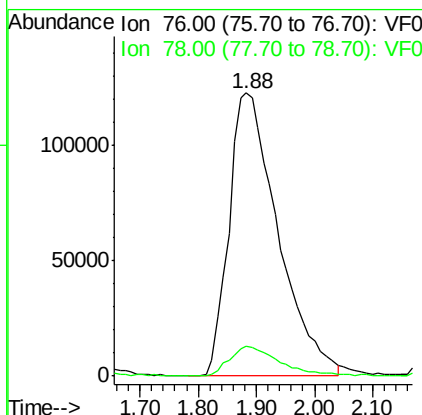
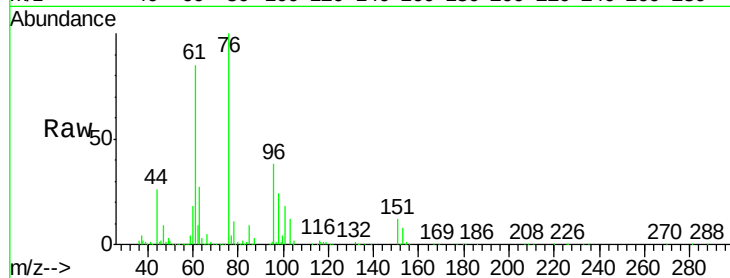




#17
Carbon Disulfide
Concen: 146.686 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

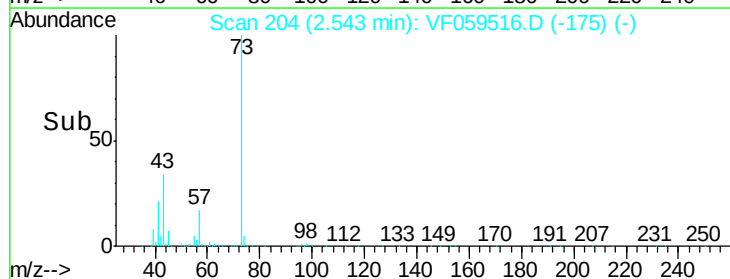
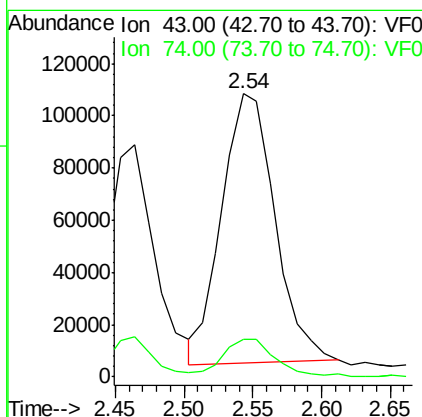
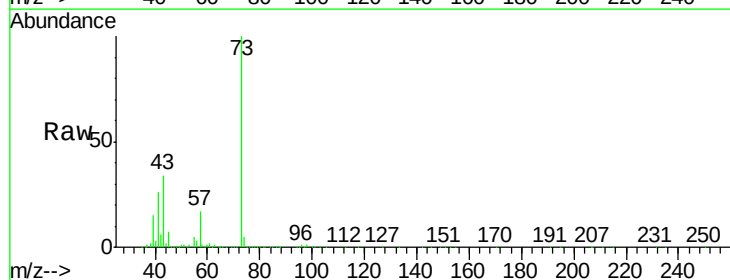
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

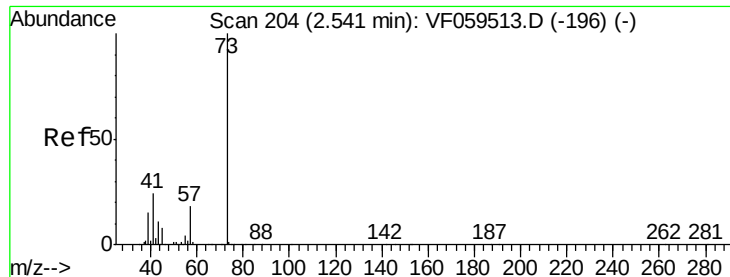
Tot Ion: 76 Resp: 716031
Ion Ratio Lower Upper
76 100
78 10.6 7.8 11.6



#18
Methyl Acetate
Concen: 205.706 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.09 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion: 43 Resp: 276693
Ion Ratio Lower Upper
43 100
74 13.4 10.6 15.8



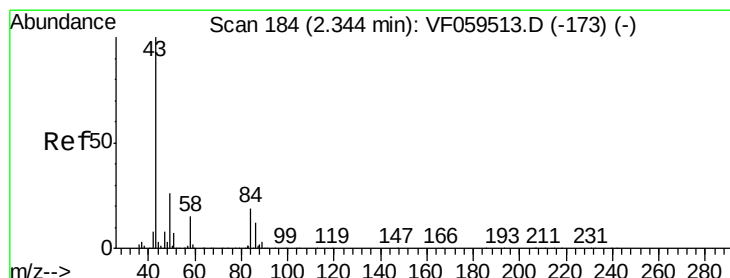
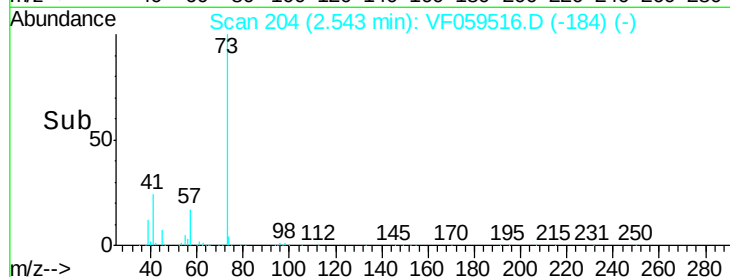
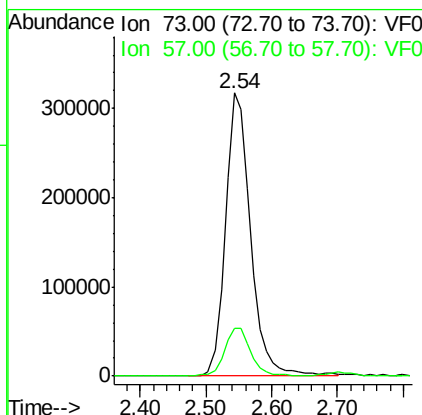
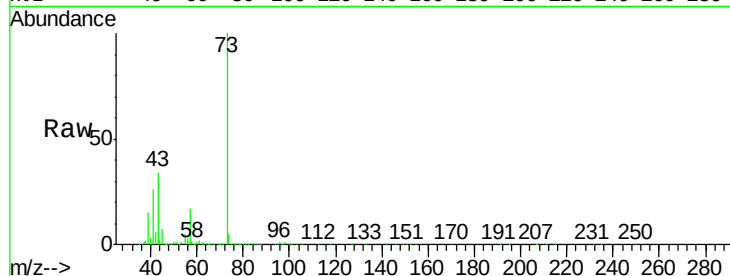


#19

Methyl tert-butyl Ether
 Concen: 144.047 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

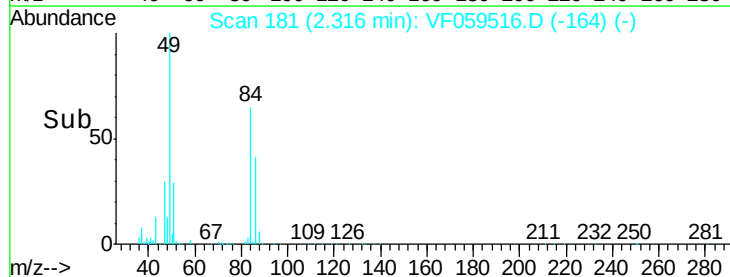
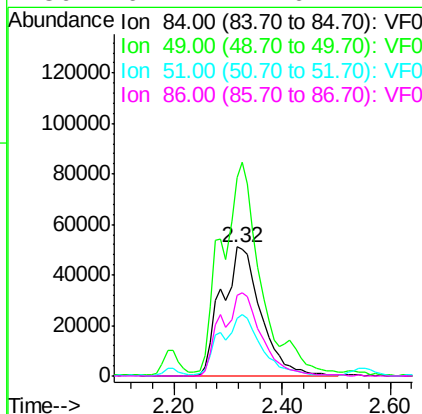
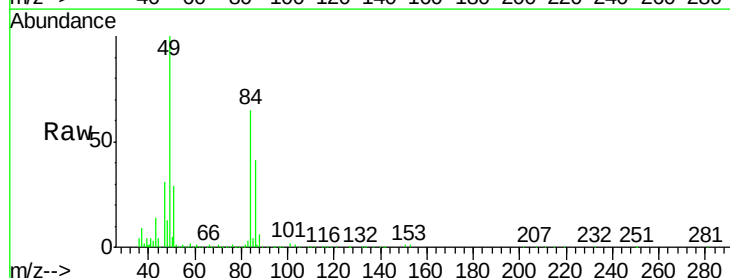
Tot Ion: 73 Resp: 847274
 Ion Ratio Lower Upper
 73 100
 57 17.0 14.3 21.5

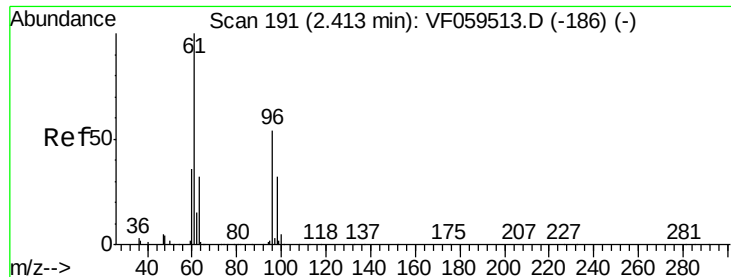


#20

Methylene Chloride
 Concen: 110.808 ug/l
 RT: 2.32 min Scan# 181
 Delta R.T. -0.03 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Tgt Ion: 84 Resp: 259902
 Ion Ratio Lower Upper
 84 100
 49 154.1 109.4 164.2
 51 44.2 30.5 45.7
 86 62.7 47.6 71.4





#21

trans-1,2-Dichloroethene

Concen: 160.274 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

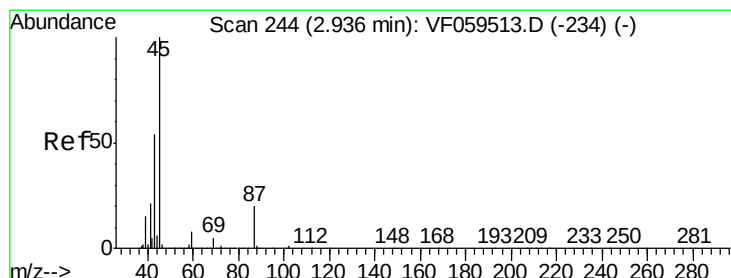
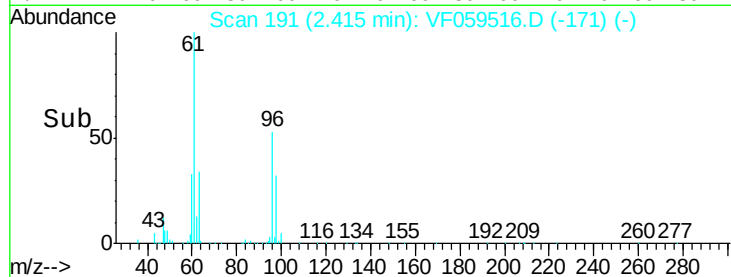
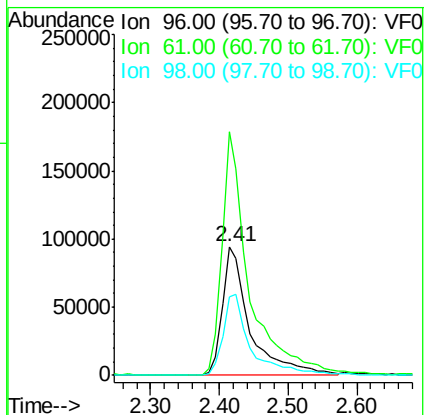
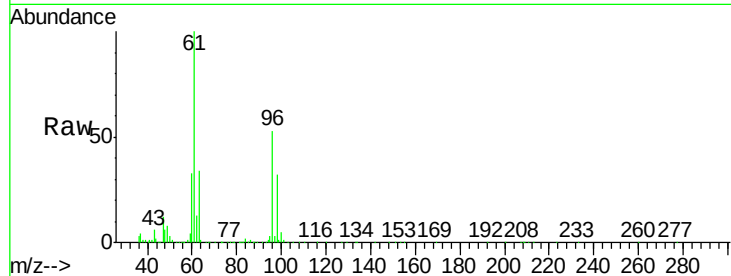
Tot Ion: 96 Resp: 262564

Ion Ratio Lower Upper

96 100

61 188.9 149.8 224.8

98 61.0 47.8 71.8



#22

Diisopropyl ether

Concen: 149.406 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion: 45 Resp: 1010209

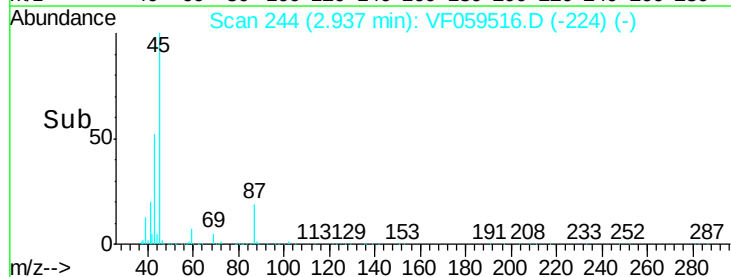
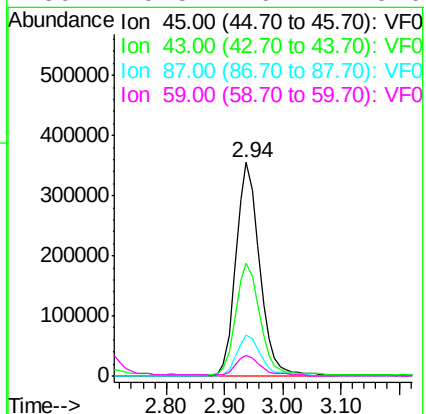
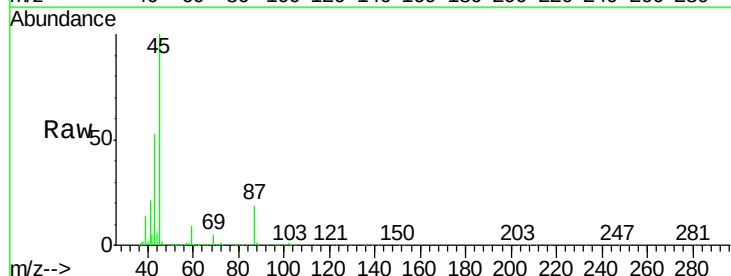
Ion Ratio Lower Upper

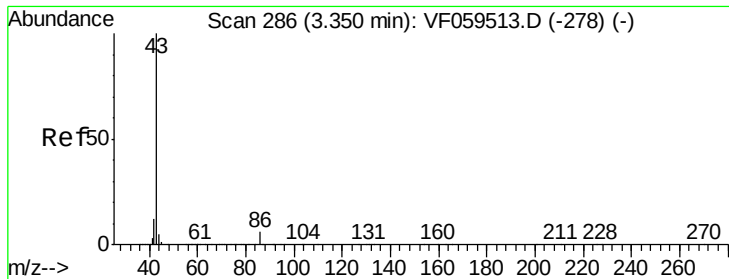
45 100

43 52.8 43.6 65.4

87 19.2 15.6 23.4

59 9.5 6.4 9.6





#23

Vinyl Acetate

Concen: 697.811 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

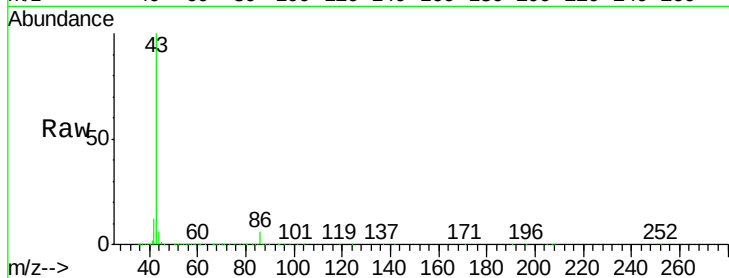
MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2741858

Ion	Ratio	Lower	Upper
43	100		
86	6.2	4.4	6.6

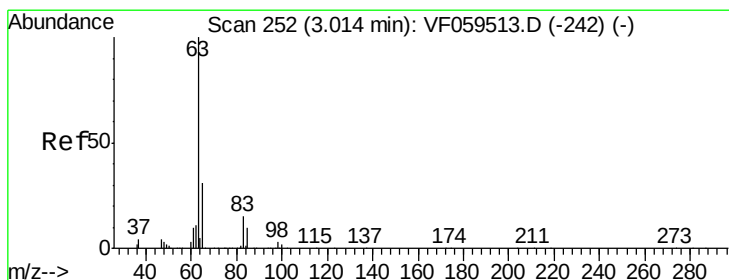
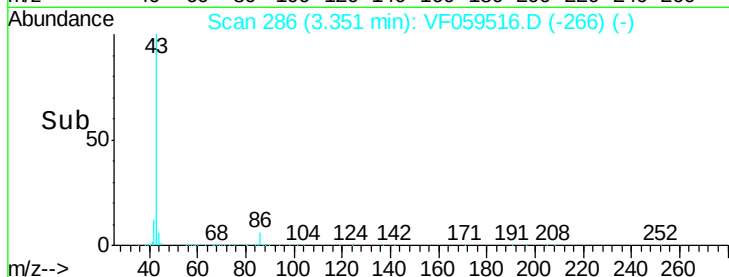


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.35

Time-->



#24

1,1-Dichloroethane

Concen: 158.895 ug/l

RT: 3.01 min Scan# 251

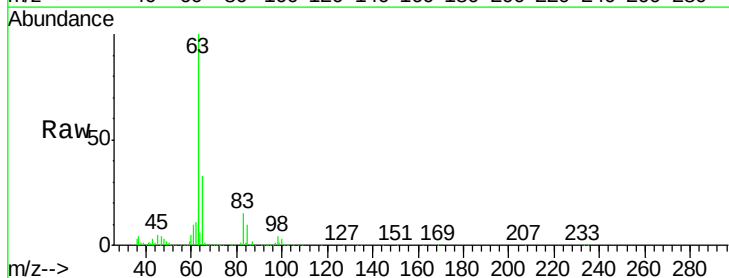
Delta R.T. -0.01 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion: 63 Resp: 609906

Ion	Ratio	Lower	Upper
63	100		
98	4.3	1.8	5.4
100	3.0	1.3	3.8



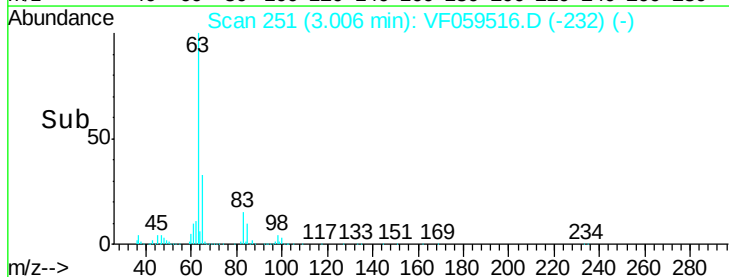
Abundance Ion 63.00 (62.70 to 63.70): VF0

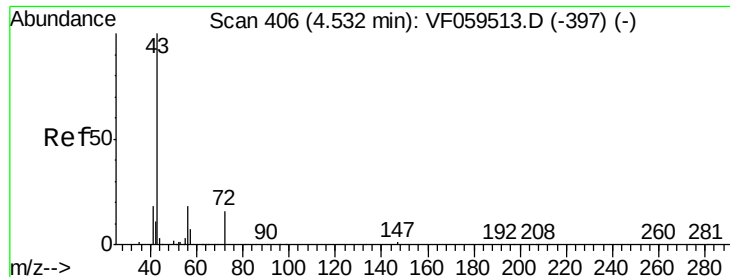
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.01

Time-->





#25

2-Butanone

Concen: 638.545 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

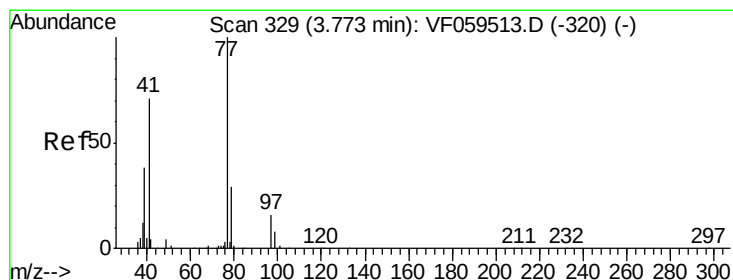
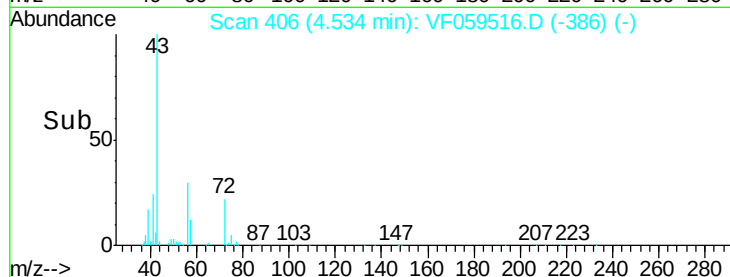
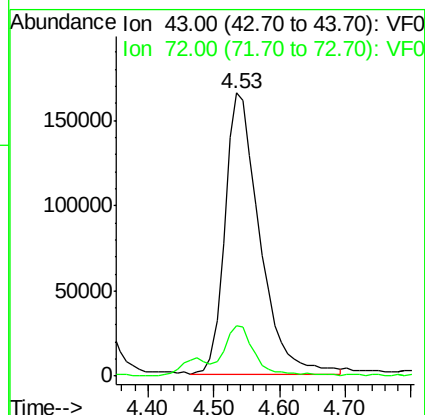
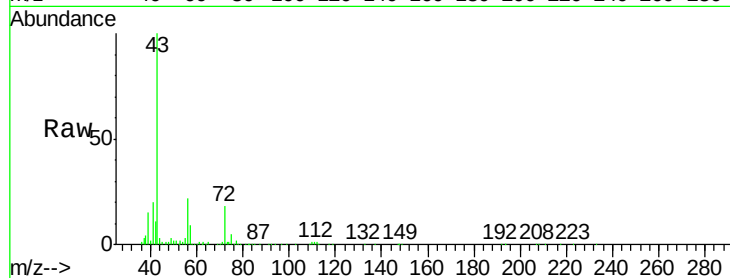
VSTDIC150

Tot Ion: 43 Resp: 608066

Ion Ratio Lower Upper

43 100

72 17.7 14.2 21.4



#26

2,2-Dichloropropane

Concen: 133.580 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059516.D

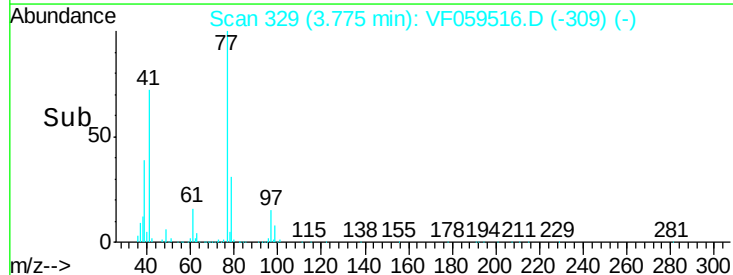
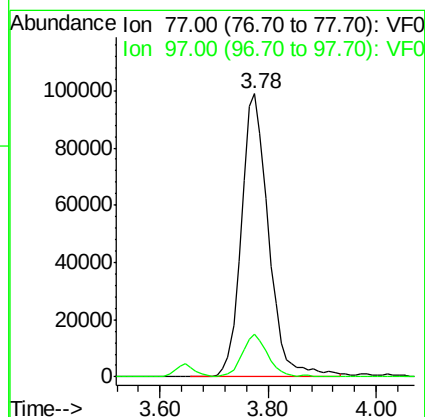
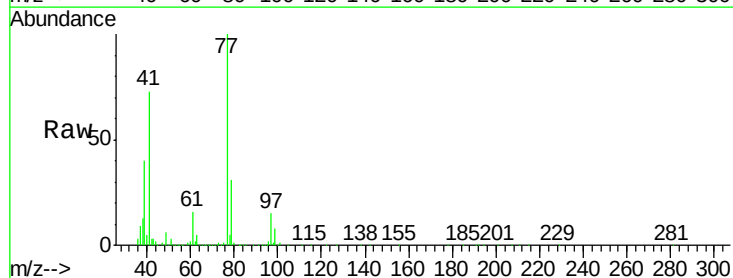
Acq: 17 Jul 2018 19:23

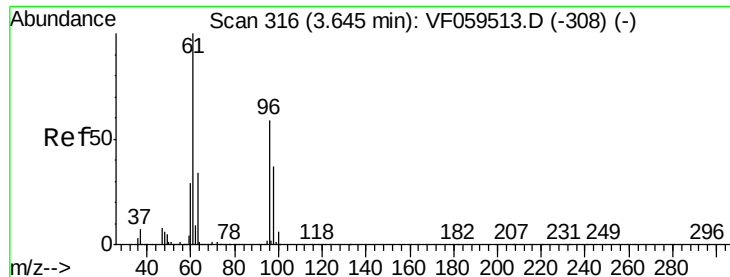
Tgt Ion: 77 Resp: 344107

Ion Ratio Lower Upper

77 100

97 14.9 8.1 24.3



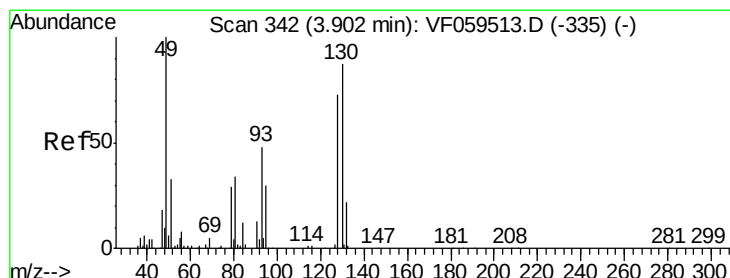
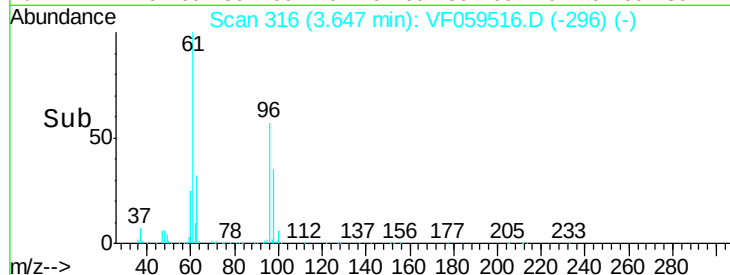
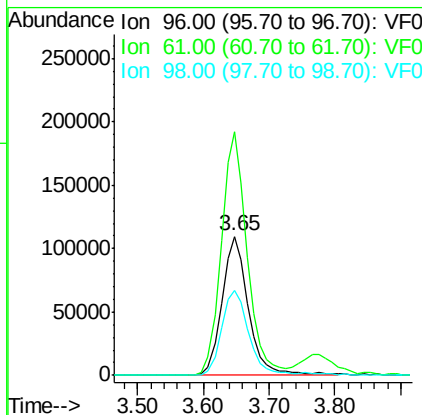
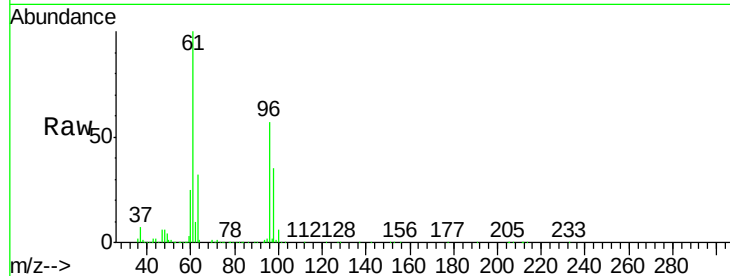


#27

cis-1,2-Dichloroethene
Concen: 136.855 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

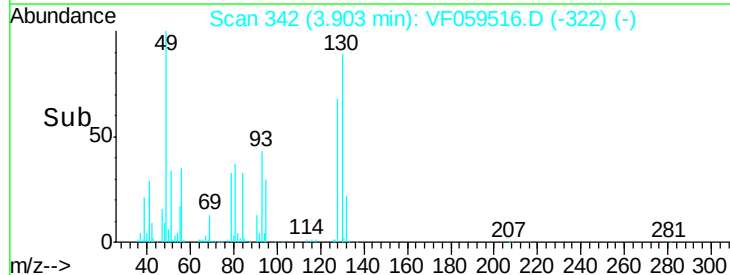
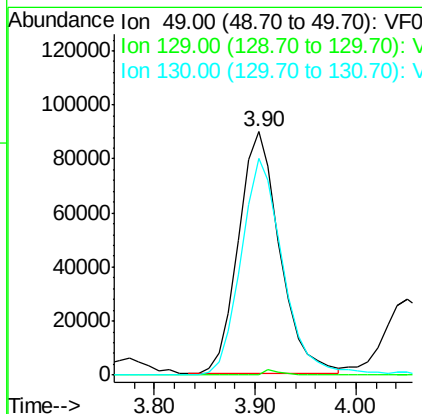
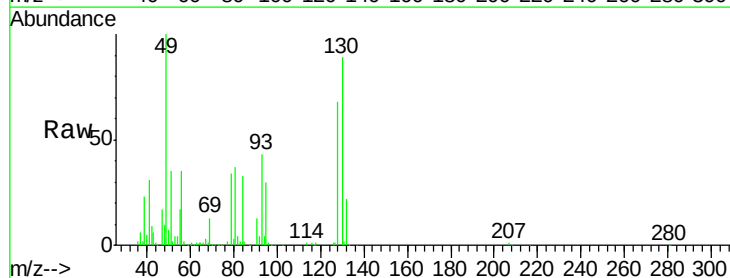
Tot Ion	96	Resp	306469
Ion	Ratio	Lower	Upper
96	100		
61	174.8	0.0	339.0
98	60.9	0.0	125.4

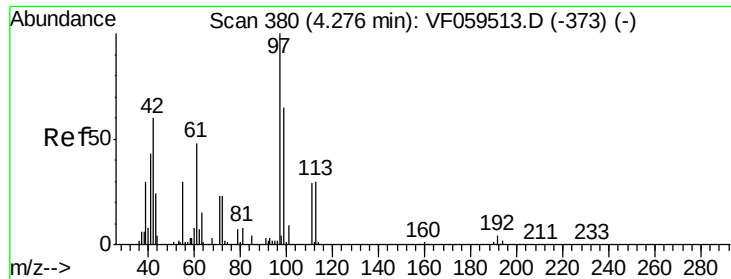


#28

Bromochloromethane
Concen: 142.814 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	49	Resp	254194
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	88.8	69.8	104.6

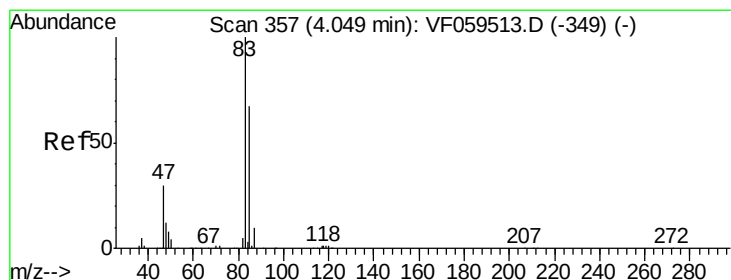
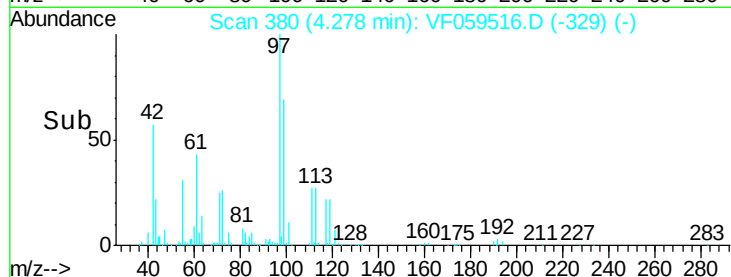
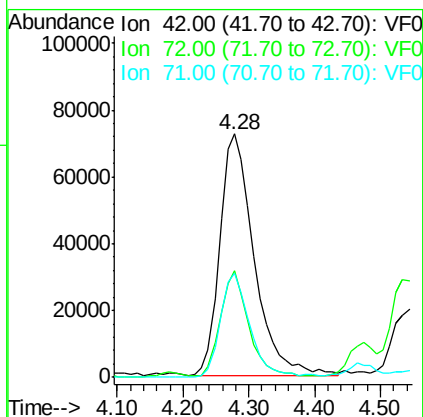
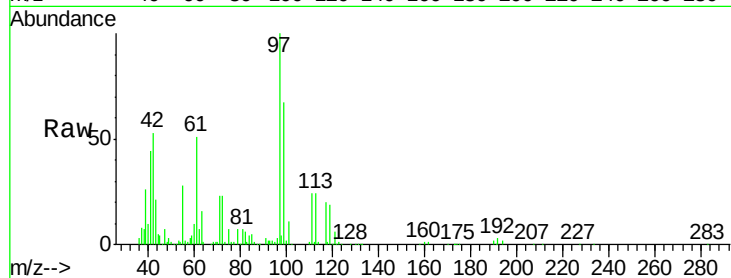




#29
Tetrahydrofuran
Concen: 640.075 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

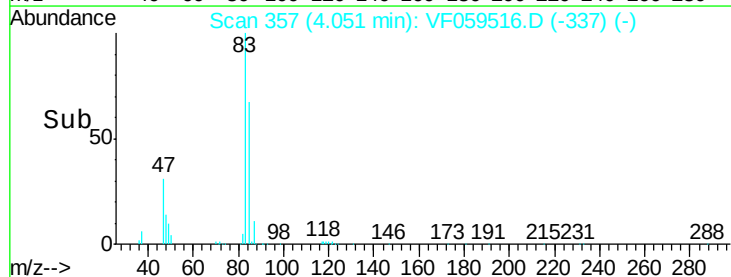
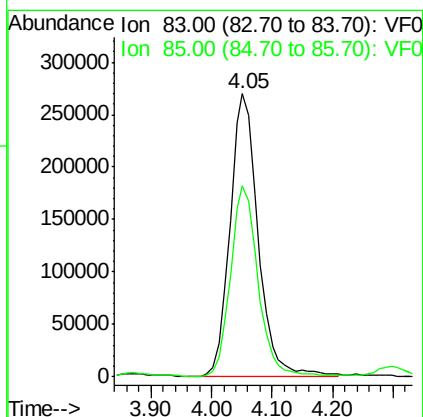
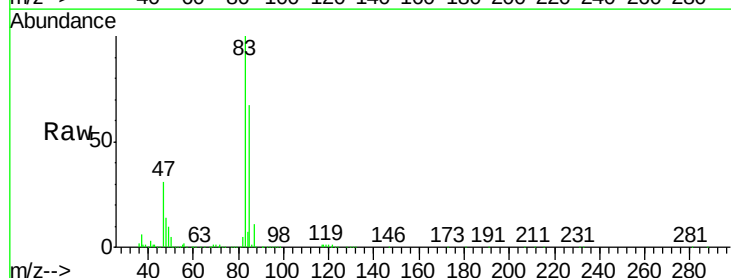
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

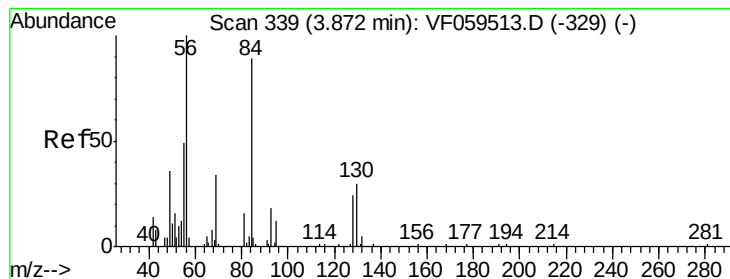
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	28.7	43.1
71	36.8	30.8	46.2



#30
Chloroform
Concen: 150.375 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	53.2	79.8





#31

Cyclohexane

Concen: 150.963 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

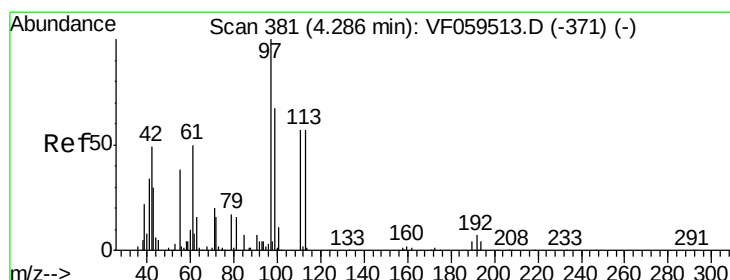
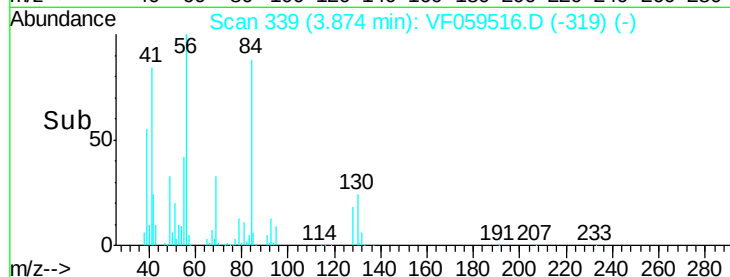
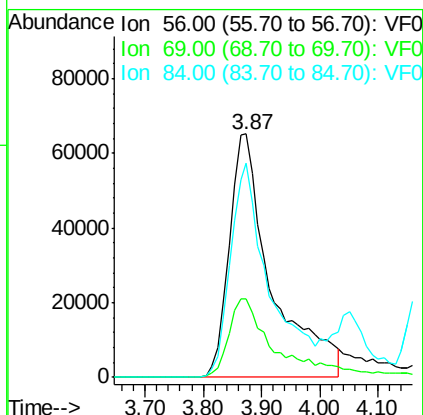
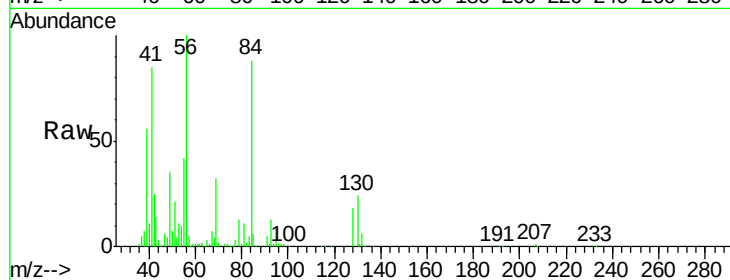
Tot Ion: 56 Resp: 327285

Ion Ratio Lower Upper

56 100

69 32.4 27.6 41.4

84 87.9 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 138.648 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

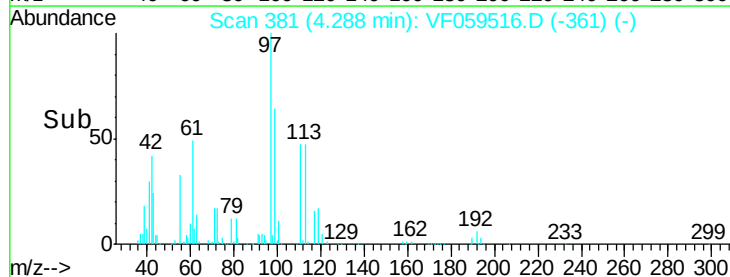
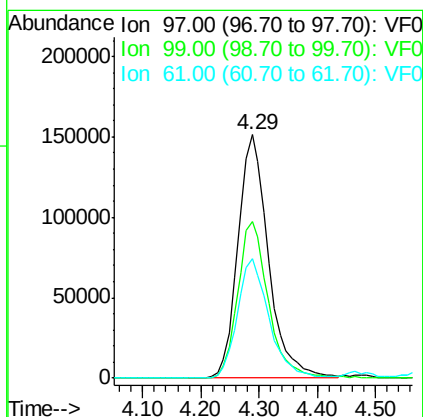
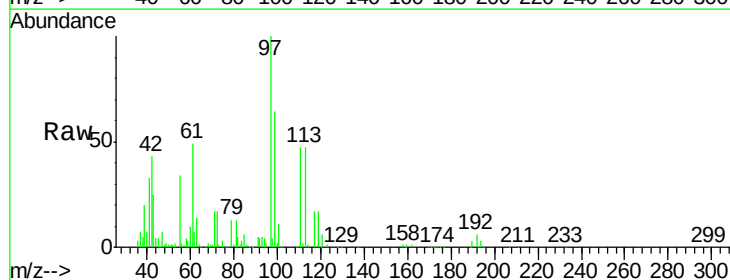
Tgt Ion: 97 Resp: 554469

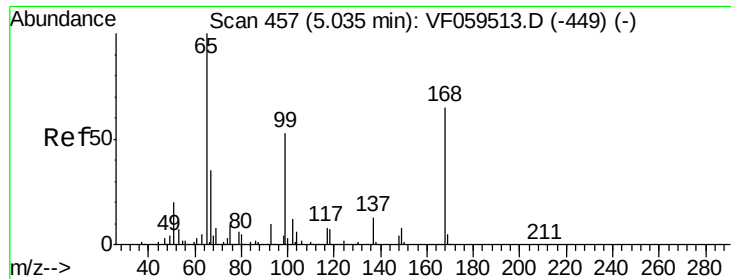
Ion Ratio Lower Upper

97 100

99 64.1 53.5 80.3

61 48.8 39.7 59.5

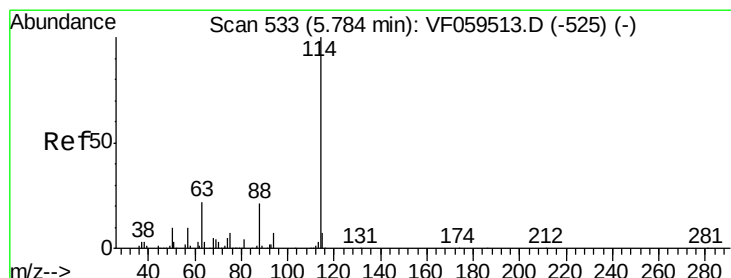
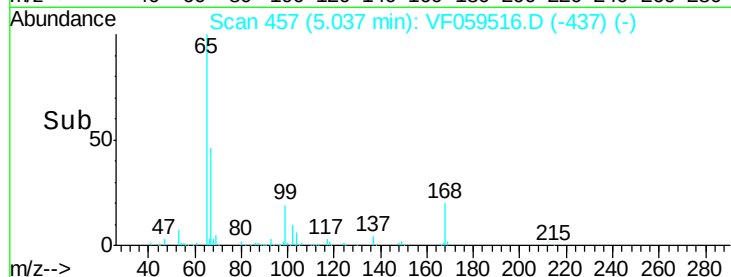
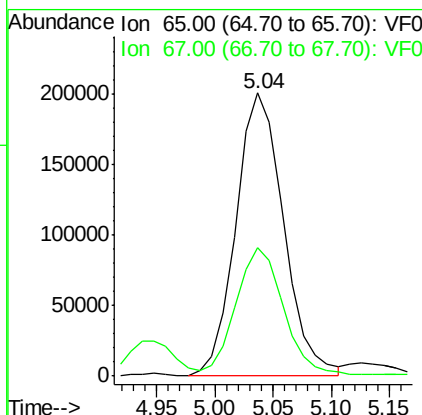
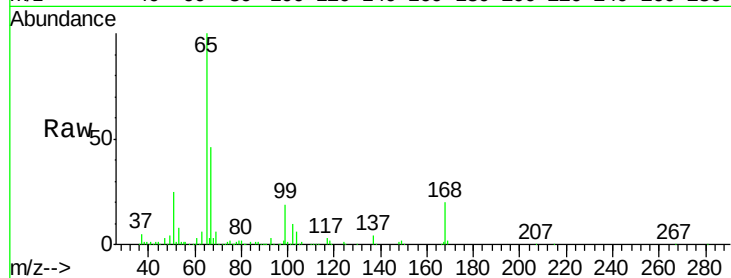




#33
 1,2-Dichloroethane-d4
 Concen: 146.481 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

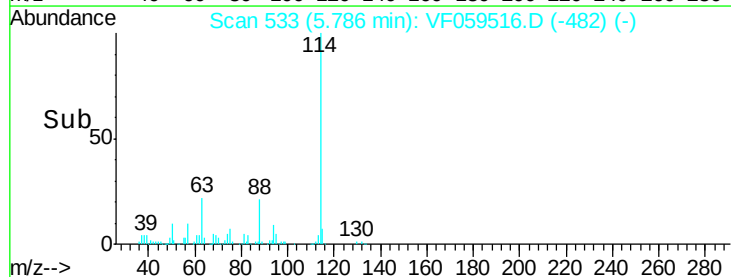
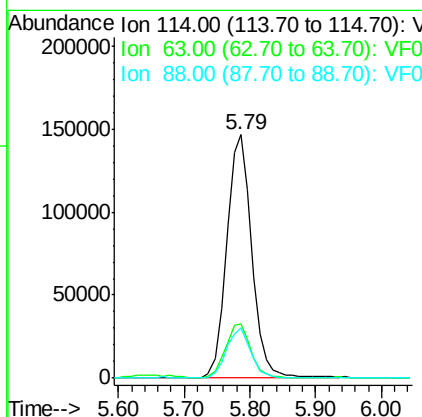
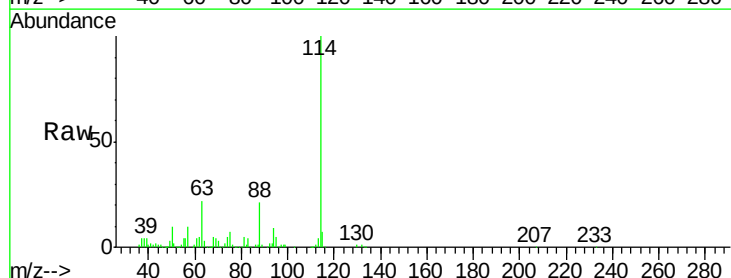
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

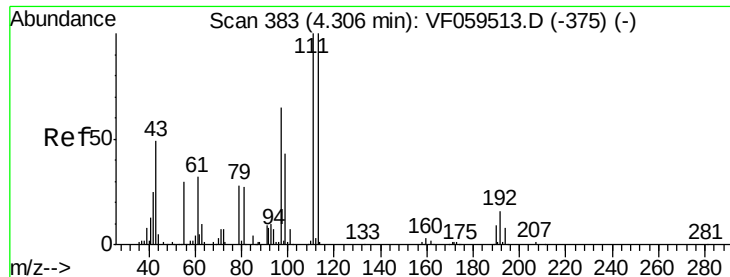
Tot Ion: 65 Resp: 564990
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 91.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Tgt Ion: 114 Resp: 391843
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.8
 88 20.8 0.0 42.6





#35

Dibromofluoromethane

Concen: 137.775 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

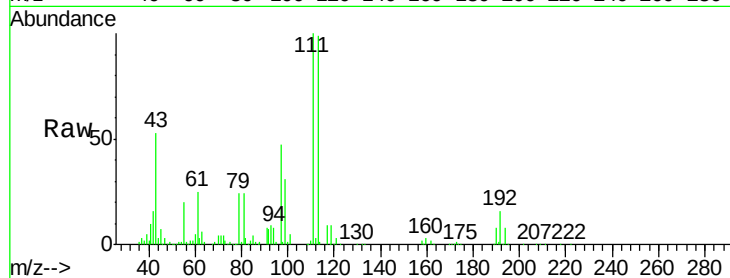
Tot Ion:113 Resp: 468856

Ion Ratio Lower Upper

113 100

111 101.3 80.3 120.5

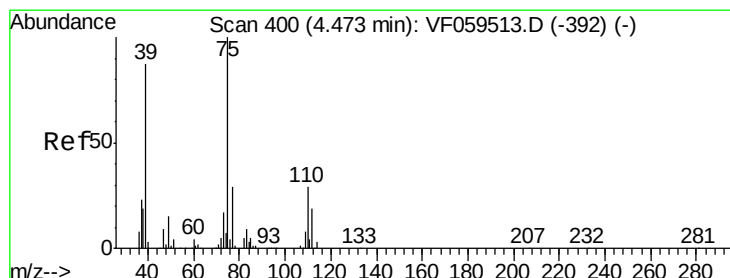
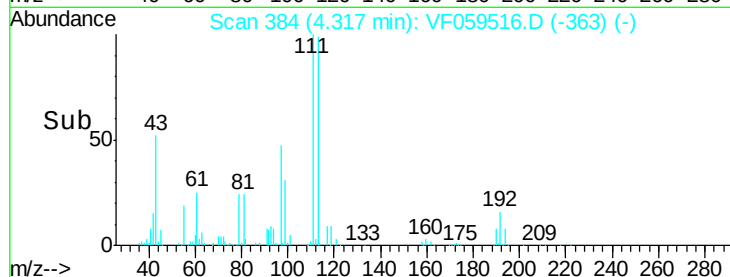
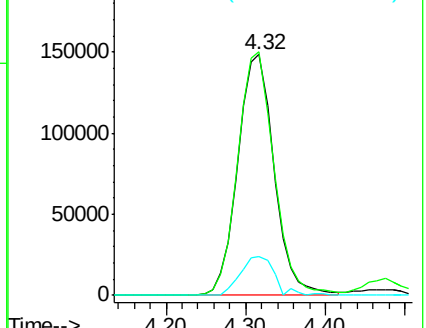
192 16.4 13.1 19.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 138.494 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

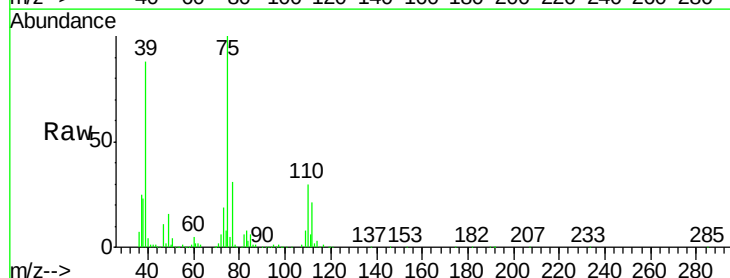
Tgt Ion: 75 Resp: 552645

Ion Ratio Lower Upper

75 100

110 30.2 14.6 43.8

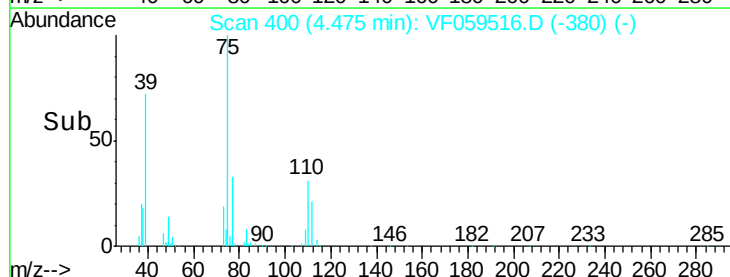
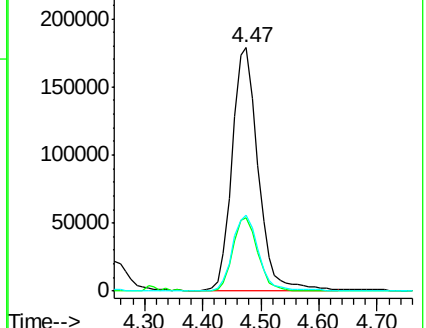
77 31.4 23.7 35.5

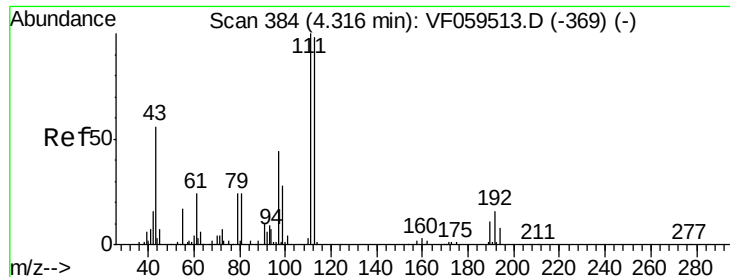


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 117.707 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

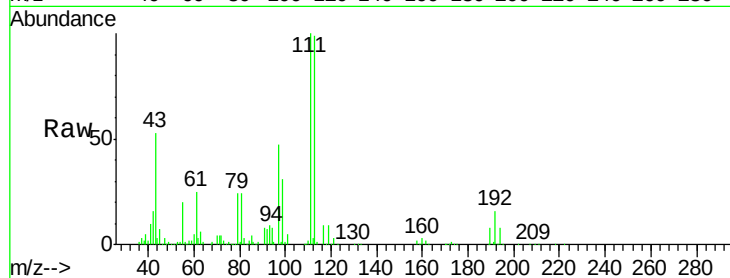
Tot Ion: 43 Resp: 287491

Ion Ratio Lower Upper

43 100

61 47.1 33.7 50.5

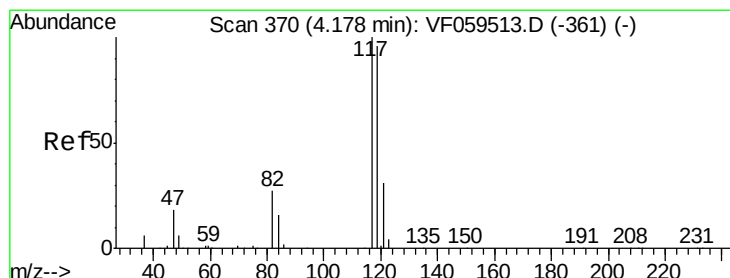
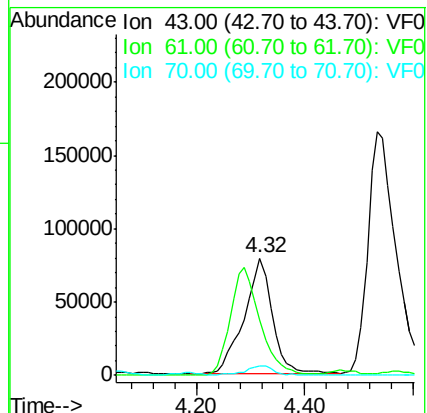
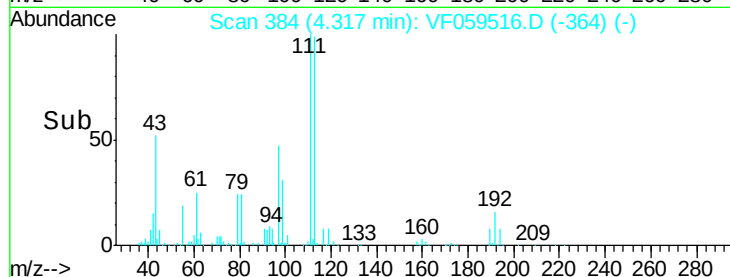
70 7.7 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 137.071 ug/l

RT: 4.18 min Scan# 370

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

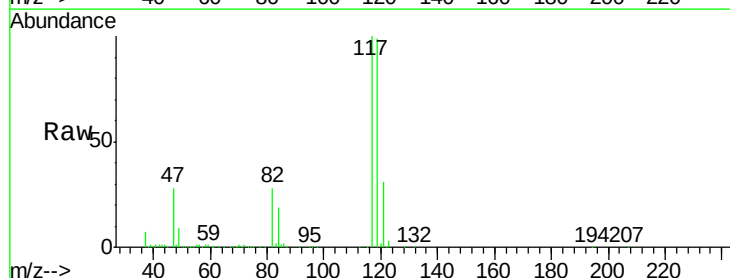
Tgt Ion: 117 Resp: 634222

Ion Ratio Lower Upper

117 100

119 98.5 77.6 116.4

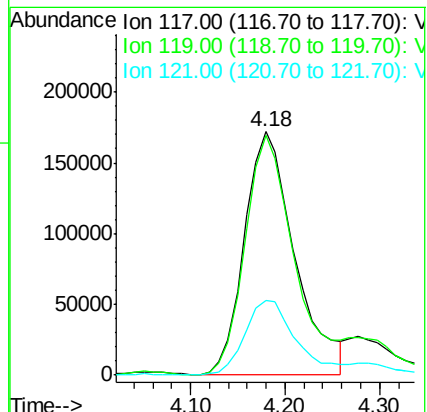
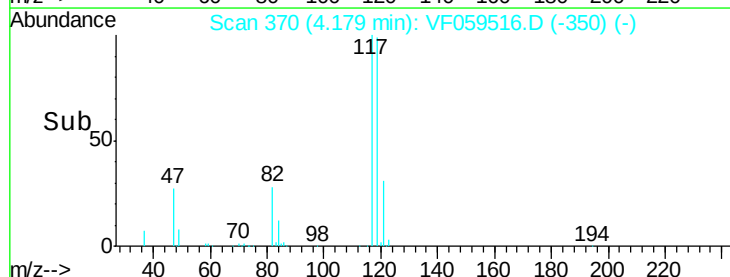
121 30.7 24.9 37.3

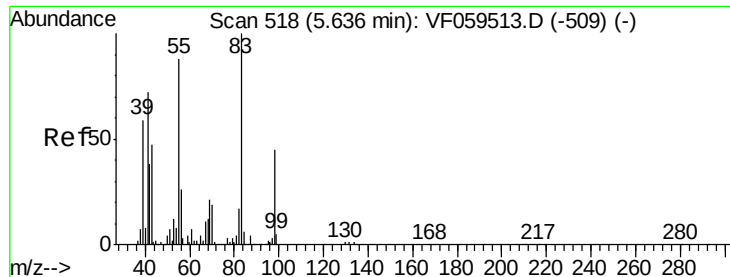


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

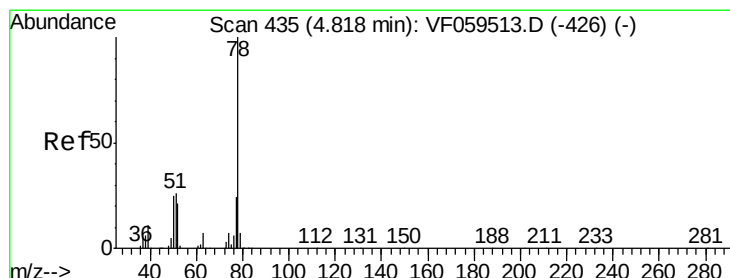
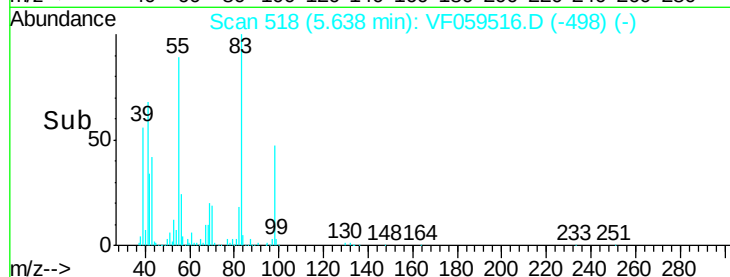
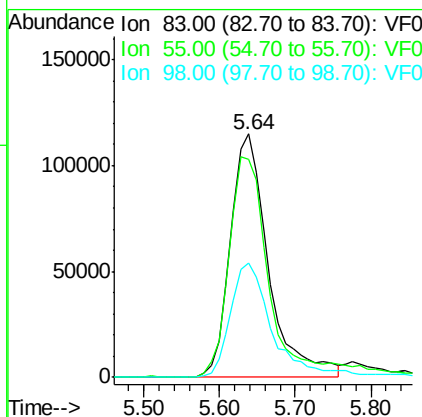
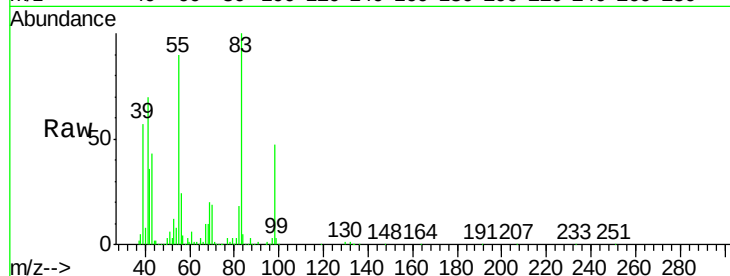




#39
Methylvlcyclohexane
Concen: 133.887 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

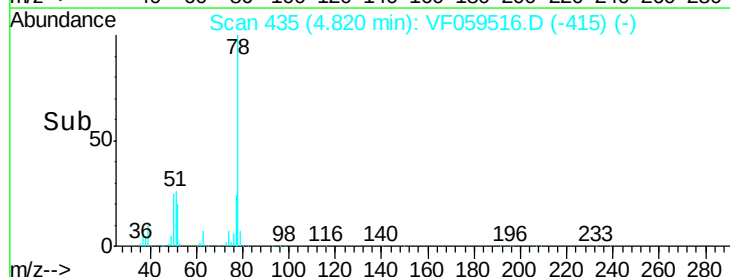
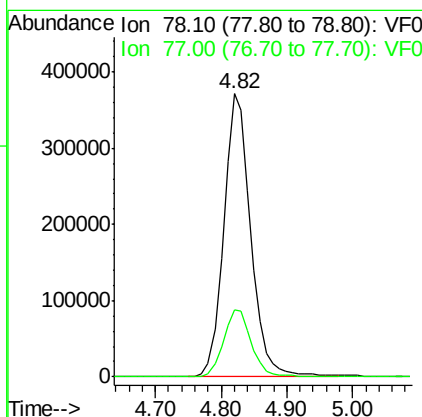
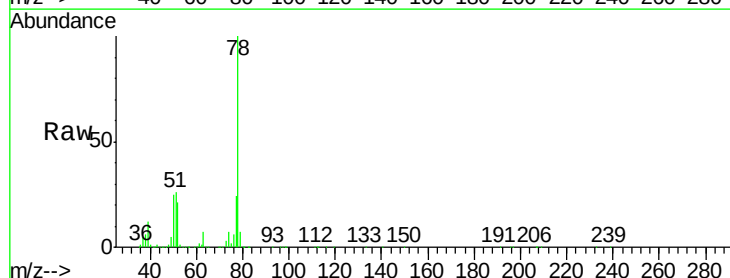
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

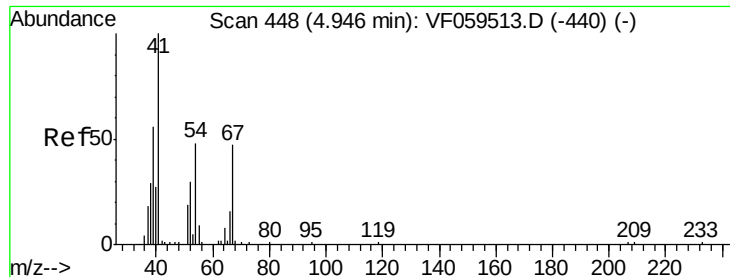
Tot Ion	83.00	Resp	402339
Ion	Ratio	Lower	Upper
83	100		
55	89.6	70.2	105.4
98	46.9	36.2	54.2



#40
Benzene
Concen: 136.825 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	78.00	Resp	1060860
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0

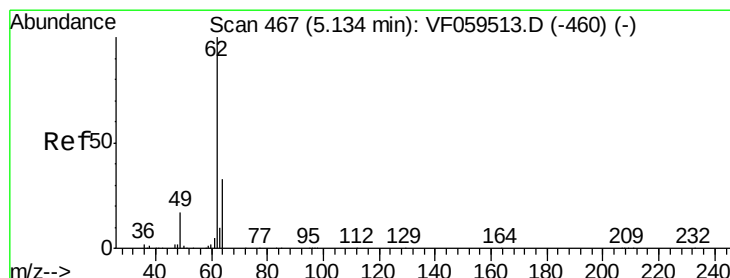
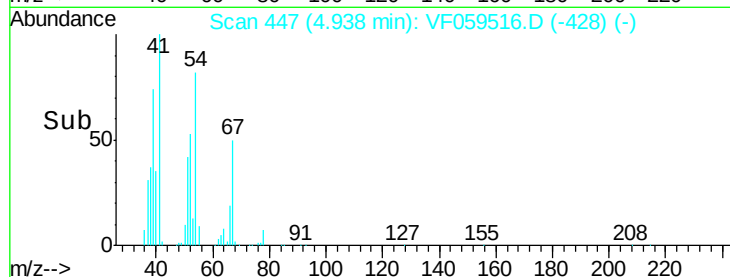
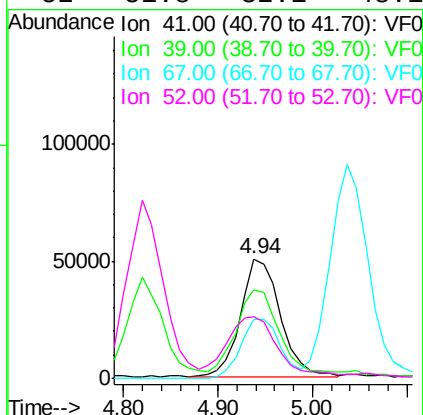
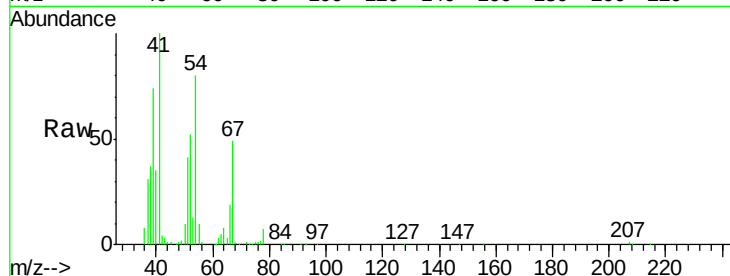




#41
Methacrylonitrile
Concen: 124.516 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

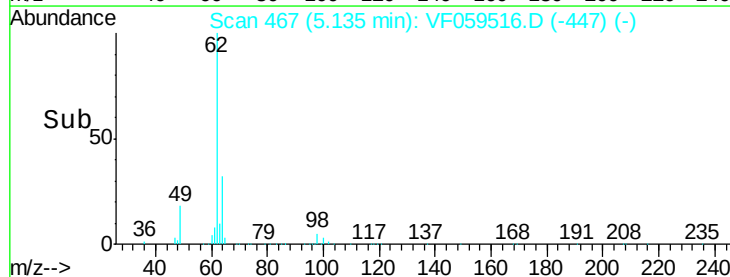
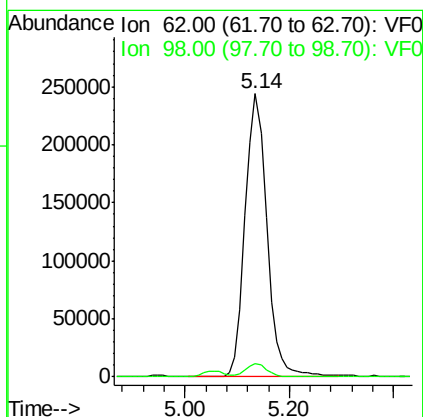
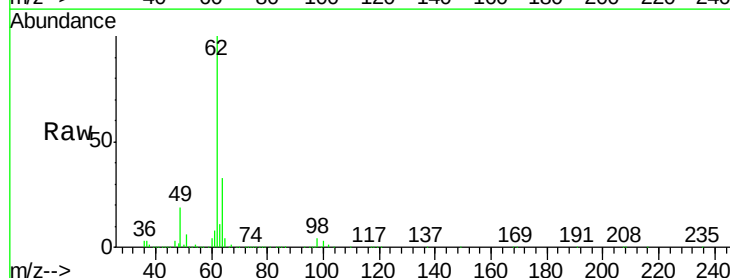
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

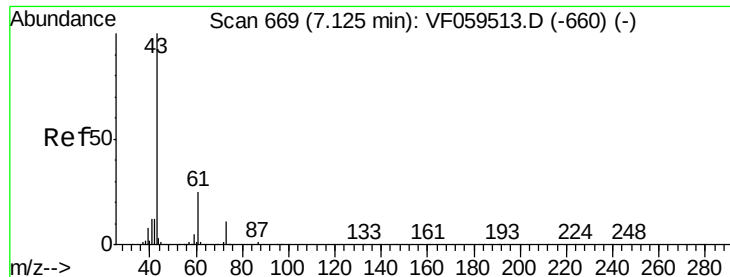
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	74.5	49.4	74.0	
67	49.2	37.4	56.2	
52	51.8	32.1	48.1	



#42
1,2-Dichloroethane
Concen: 138.552 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.5	0.0	9.6	





#43

Isopropyl Acetate

Concen: 136.190 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

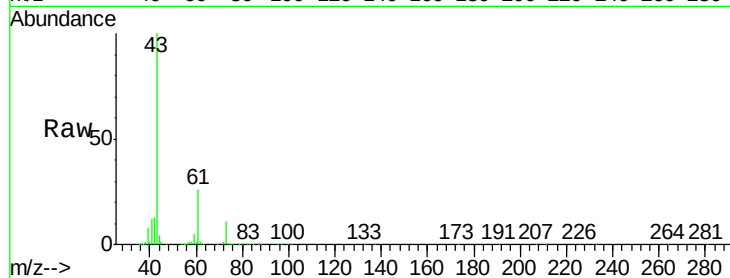
Tot Ion: 43 Resp: 398344

Ion Ratio Lower Upper

43 100

61 26.3 20.3 30.5

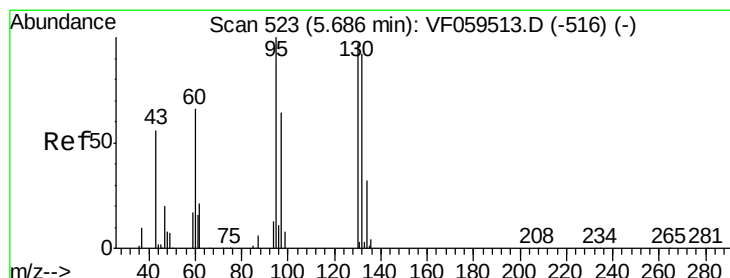
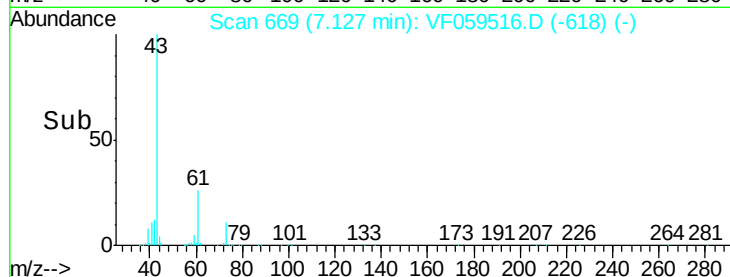
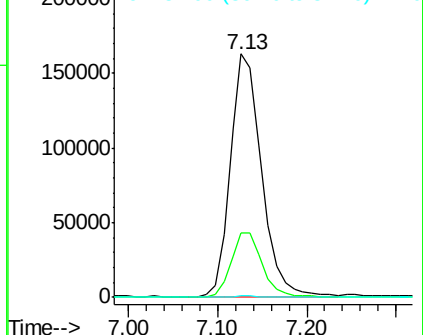
87 0.5 0.4 0.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 135.169 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.00 min

Lab File: VF059516.D

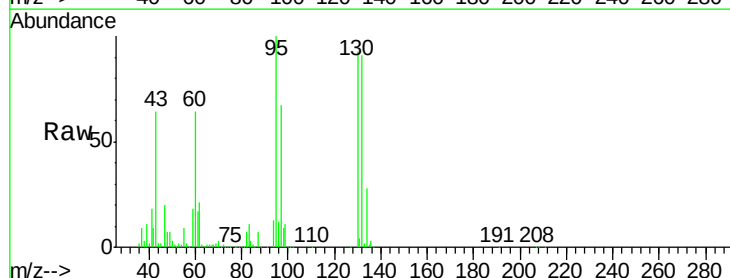
Acq: 17 Jul 2018 19:23

Tgt Ion:130 Resp: 377816

Ion Ratio Lower Upper

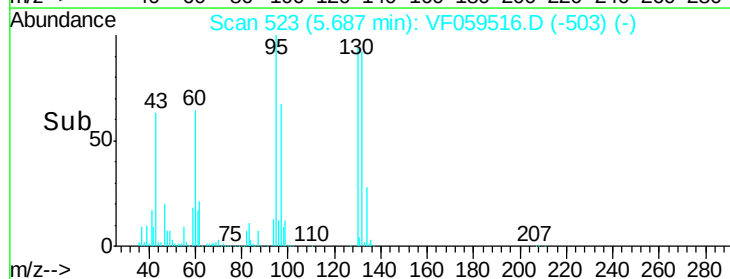
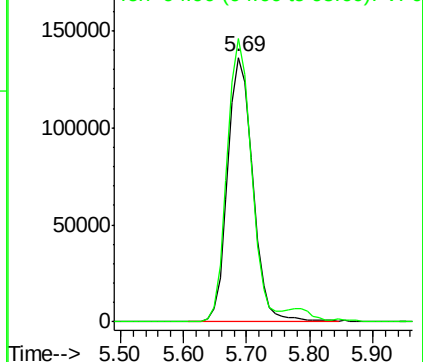
130 100

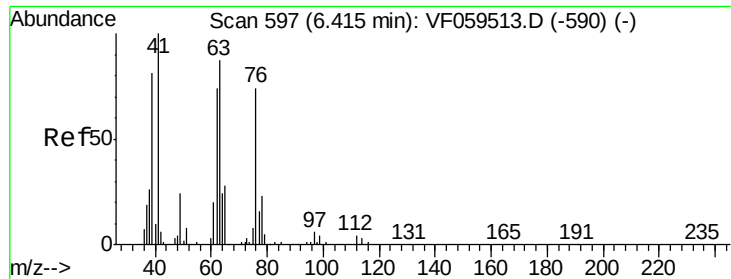
95 107.0 0.0 206.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 129.752 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

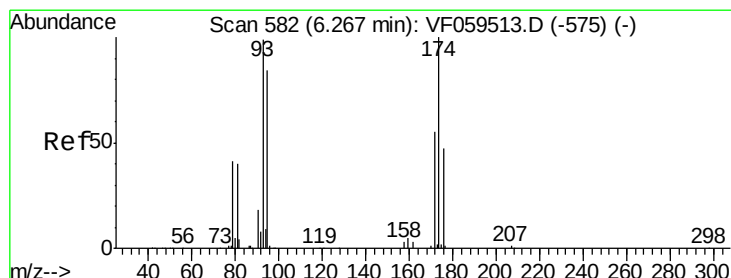
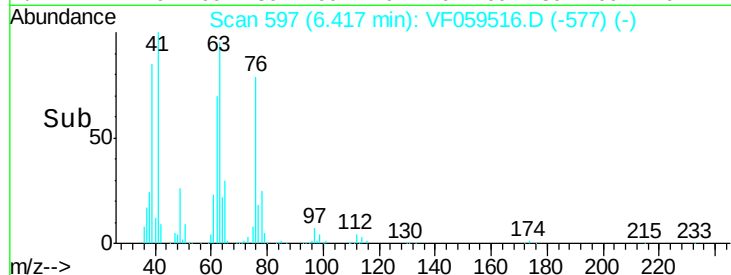
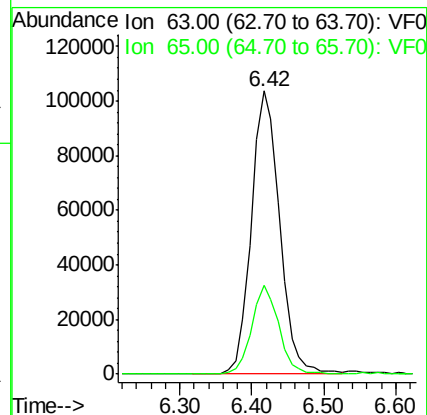
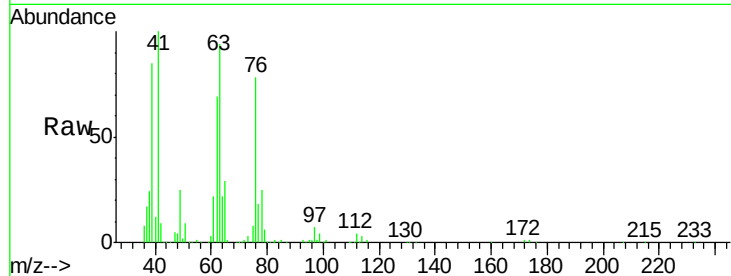
VSTDIC150

Tot Ion: 63 Resp: 285319

Ion Ratio Lower Upper

63 100

65 31.4 26.1 39.1



#46

Dibromomethane

Concen: 137.327 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

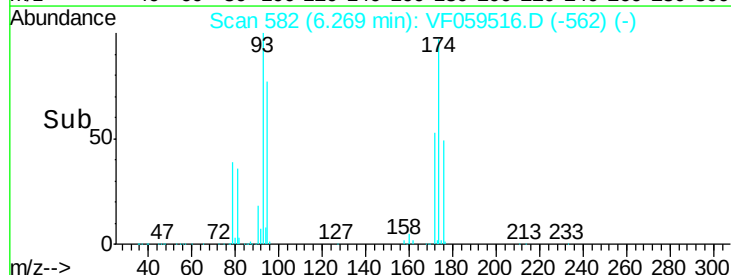
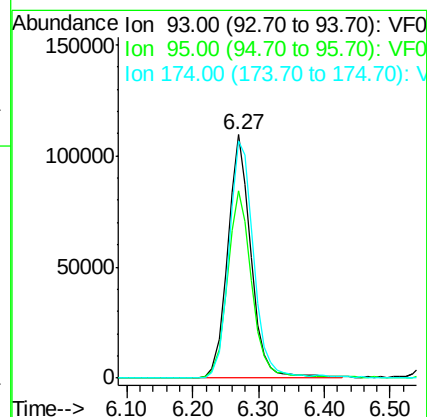
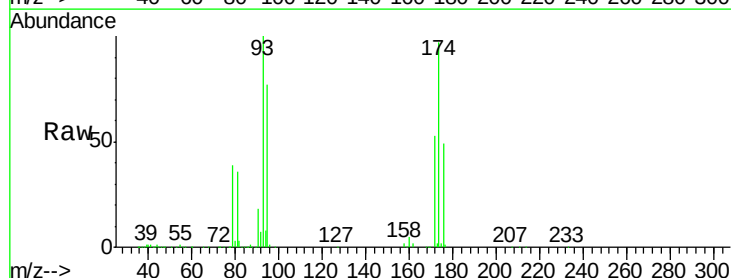
Tgt Ion: 93 Resp: 269765

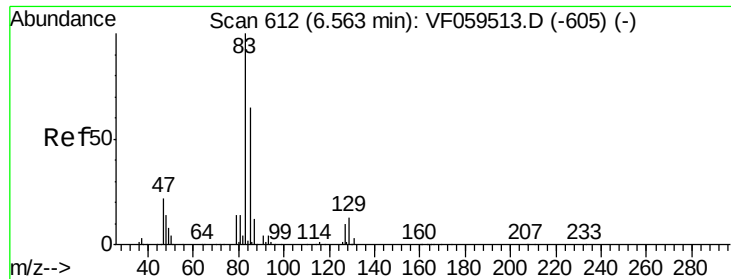
Ion Ratio Lower Upper

93 100

95 77.1 68.3 102.5

174 97.3 81.2 121.8





#47

Bromodichloromethane

Concen: 139.624 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

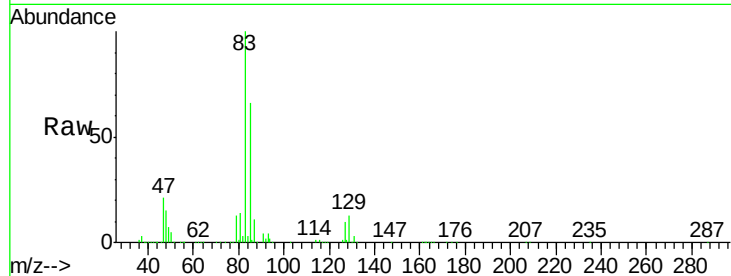
Tot Ion: 83 Resp: 700839

Ion Ratio Lower Upper

83 100

85 65.9 52.4 78.6

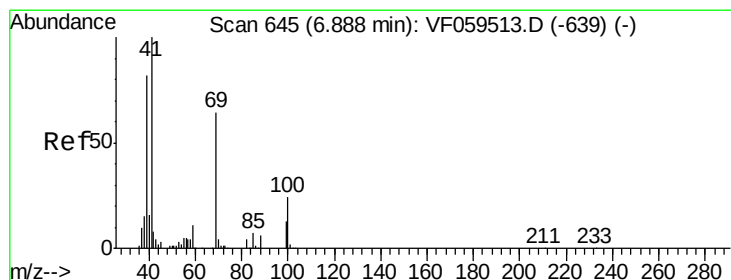
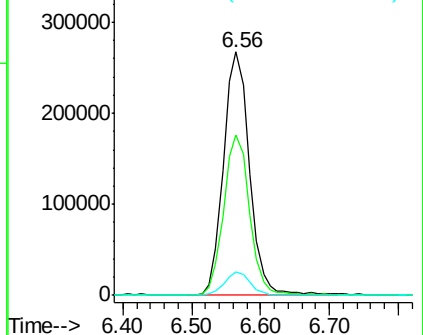
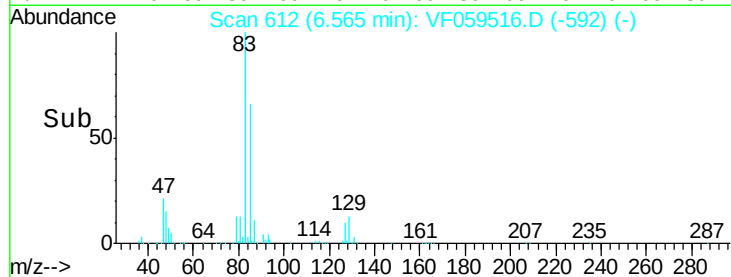
127 9.5 8.2 12.4



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: 139.573 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

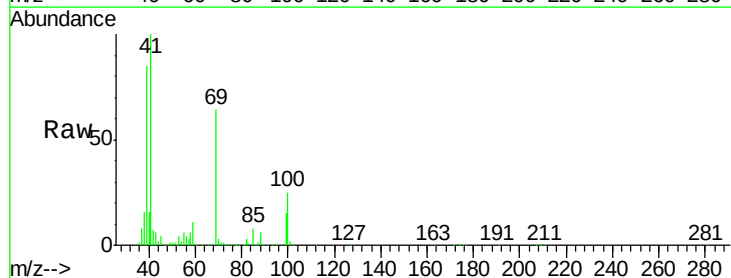
Tgt Ion: 41 Resp: 294201

Ion Ratio Lower Upper

41 100

69 64.0 51.3 76.9

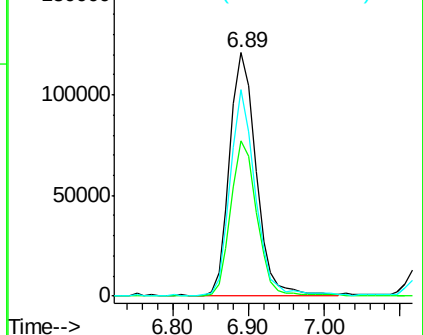
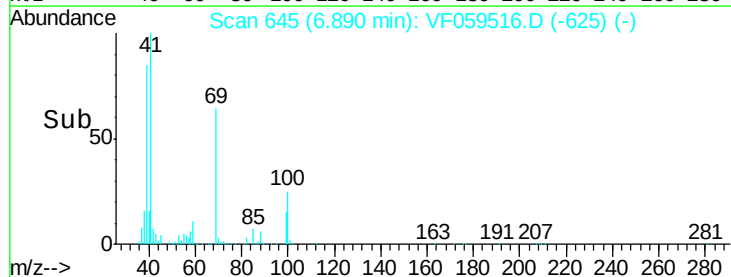
39 85.0 65.3 97.9

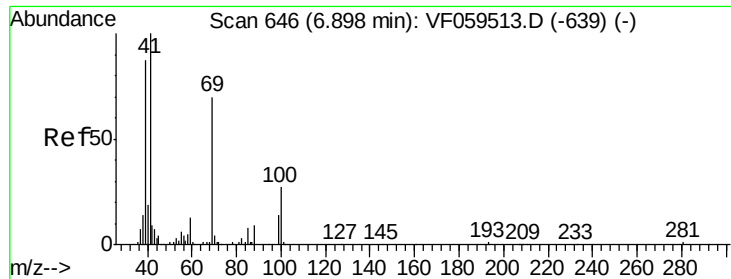


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

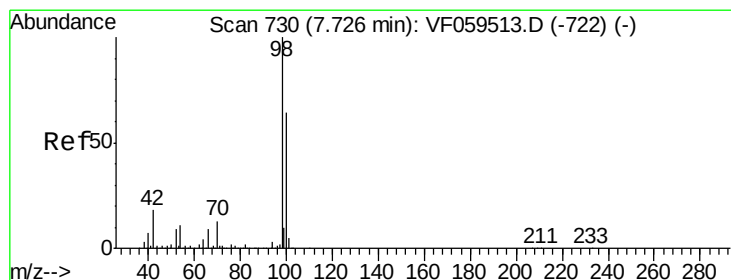
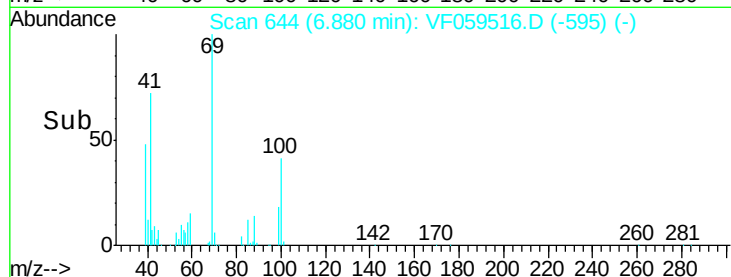
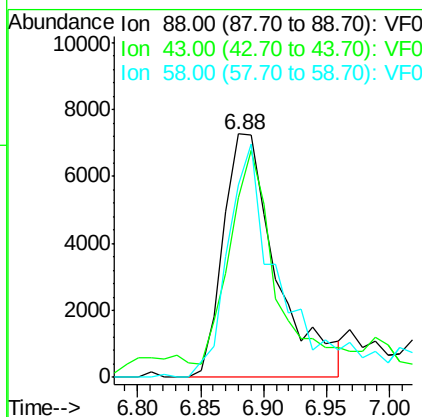
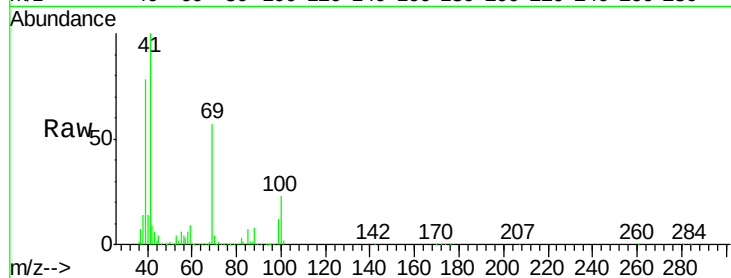




#49
1,4-Dioxane
Concen: 2243.166 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.02 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

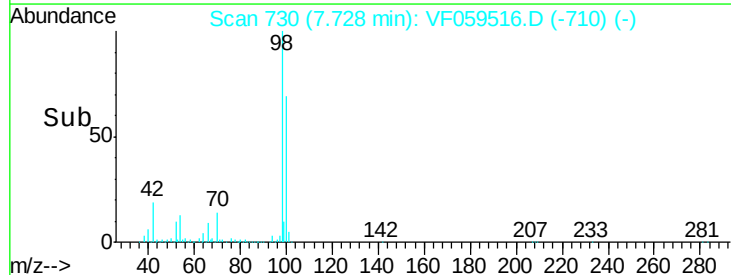
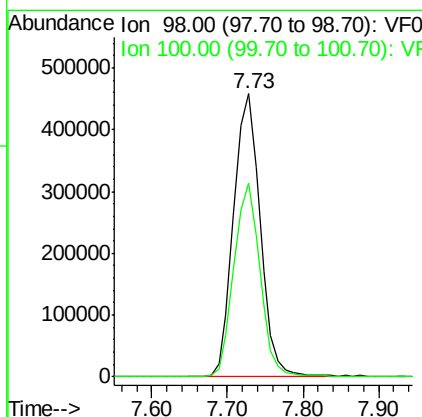
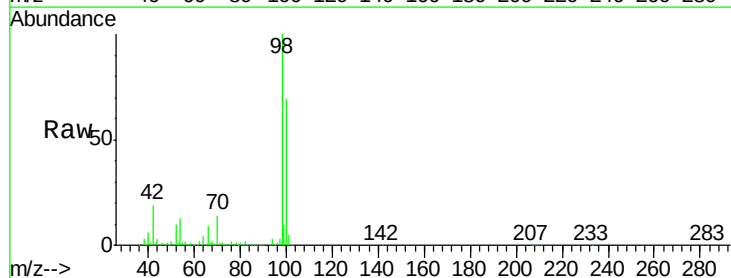
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

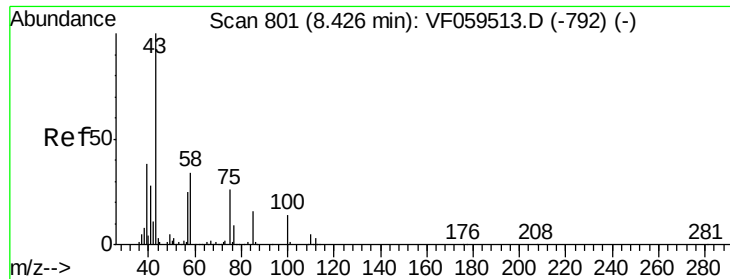
Tot Ion: 88 Resp: 21387
Ion Ratio Lower Upper
88 100
43 73.9 64.8 97.2
58 78.8 44.1 66.1#



#50
Toluene-d8
Concen: 132.753 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion: 98 Resp: 1117338
Ion Ratio Lower Upper
98 100
100 68.5 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 613.021 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

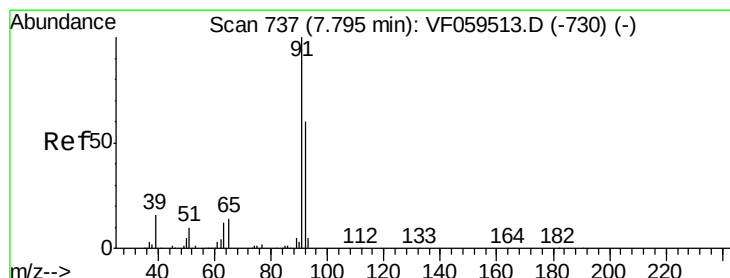
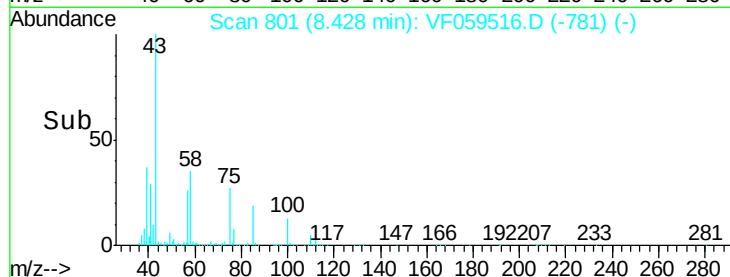
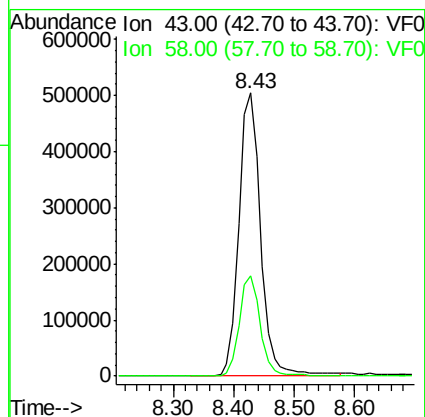
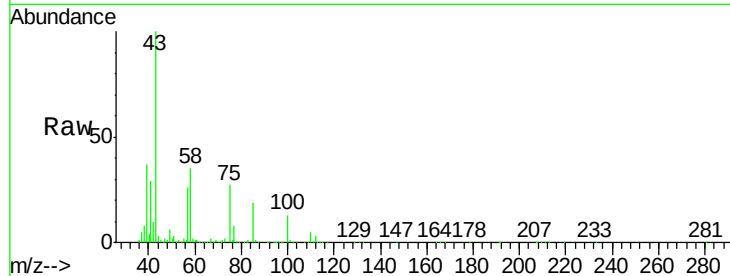
VSTDIC150

Tot Ion: 43 Resp: 1257864

Ion Ratio Lower Upper

43 100

58 35.3 27.4 41.2



#52

Toluene

Concen: 130.665 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059516.D

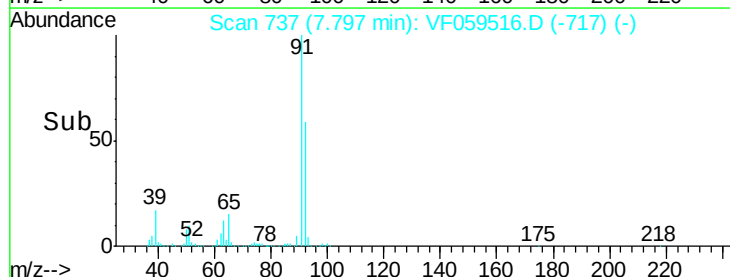
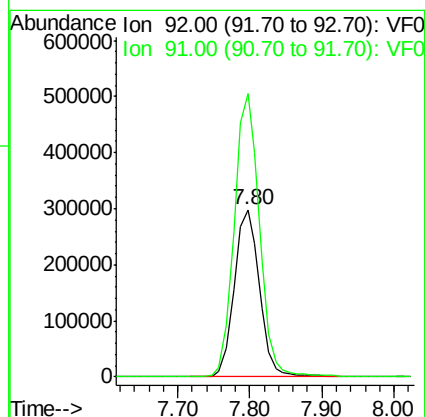
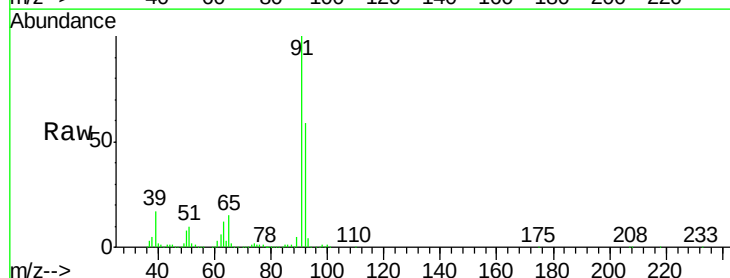
Acq: 17 Jul 2018 19:23

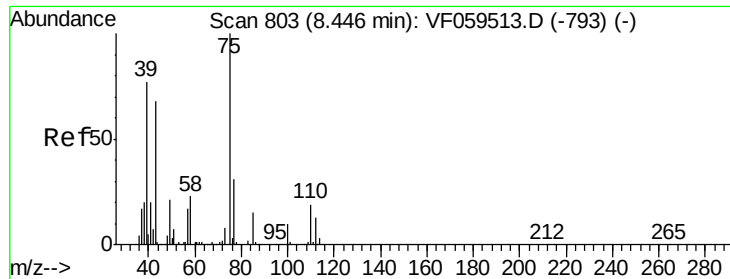
Tgt Ion: 92 Resp: 728535

Ion Ratio Lower Upper

92 100

91 169.2 134.2 201.4





#53

t-1,3-Dichloropropene

Concen: 139.594 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

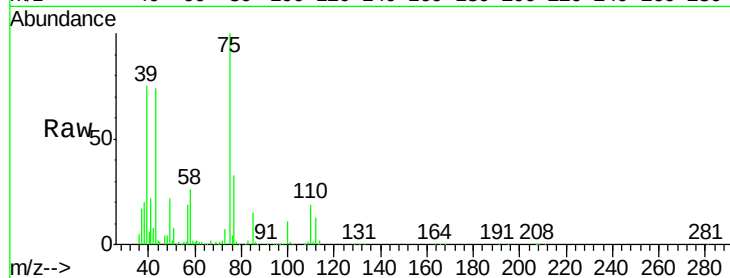
VSTDIC150

Tot Ion: 75 Resp: 619301

Ion Ratio Lower Upper

75 100

77 32.7 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.45

250000

200000

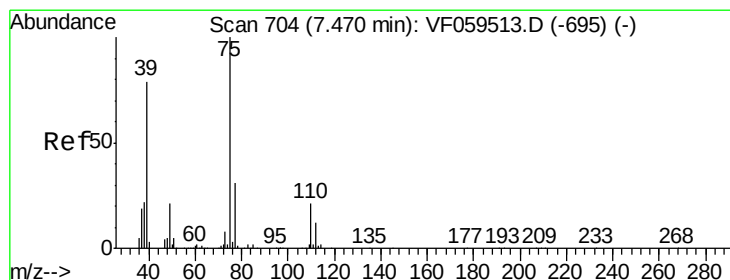
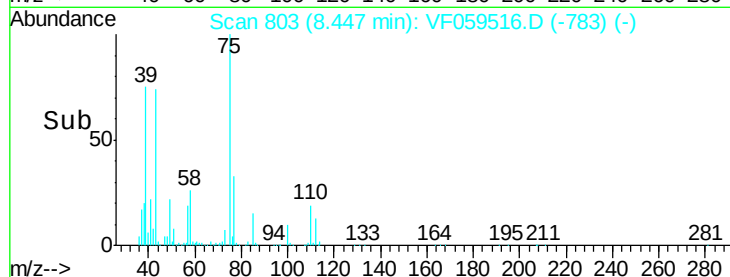
150000

100000

50000

0

Time--> 8.20 8.40 8.60



#54

cis-1,3-Dichloropropene

Concen: 135.601 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

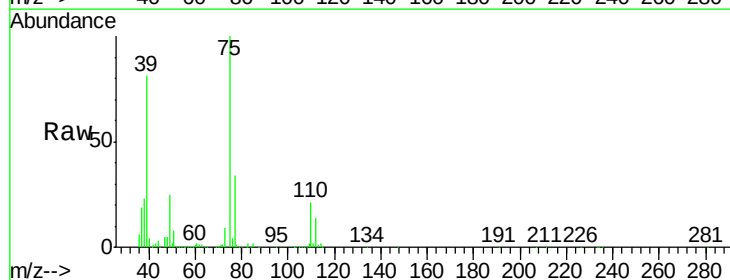
Tgt Ion: 75 Resp: 624170

Ion Ratio Lower Upper

75 100

77 33.8 25.0 37.6

39 81.3 63.8 95.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.47

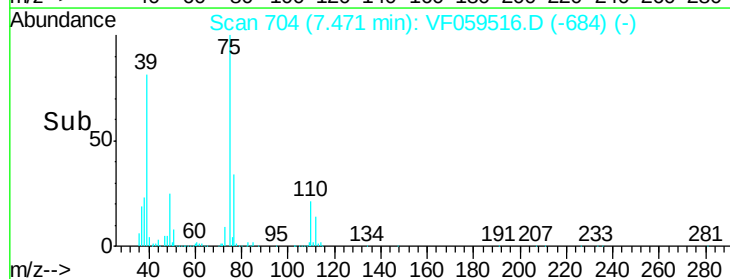
300000

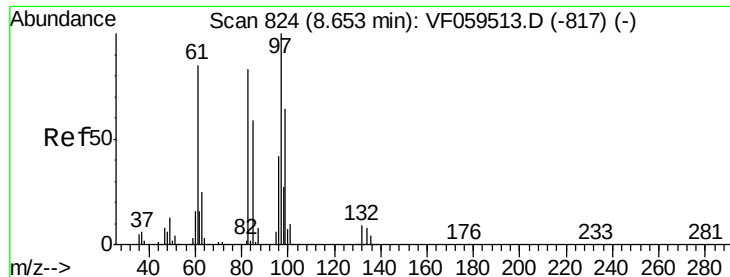
200000

100000

0

Time--> 7.30 7.40 7.50 7.60 7.70





#55

1,1,2-Trichloroethane

Concen: 133.130 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 295638

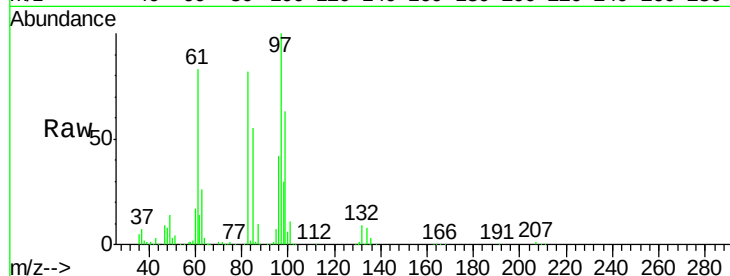
Ion Ratio Lower Upper

97 100

83 82.2 66.9 100.3

85 54.6 46.9 70.3

99 63.0 51.5 77.3

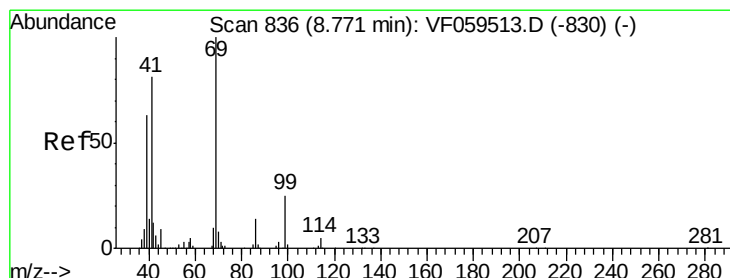
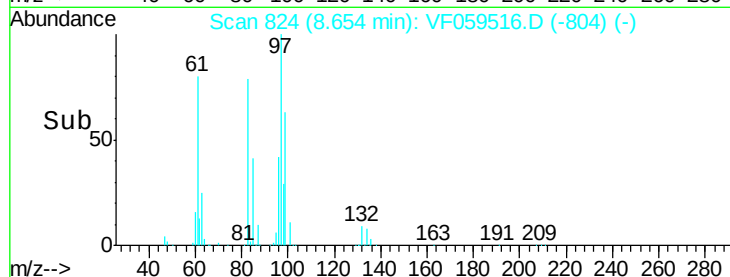
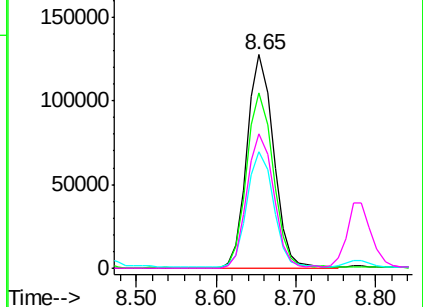


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 132.982 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.01 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

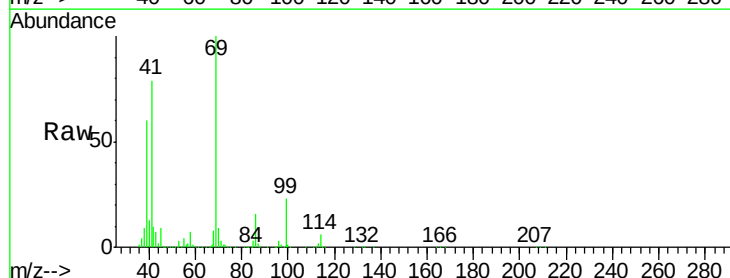
Tgt Ion: 69 Resp: 371932

Ion Ratio Lower Upper

69 100

41 78.8 65.4 98.2

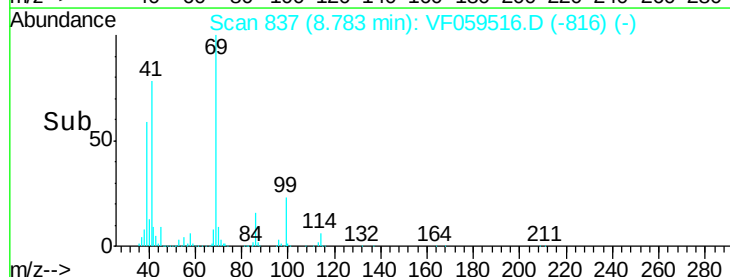
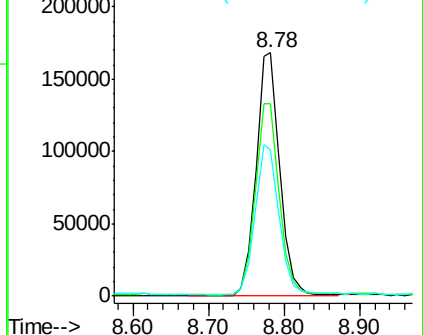
39 60.3 51.0 76.4

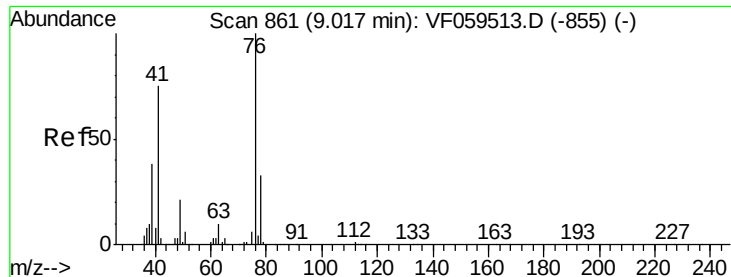


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 139.725 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

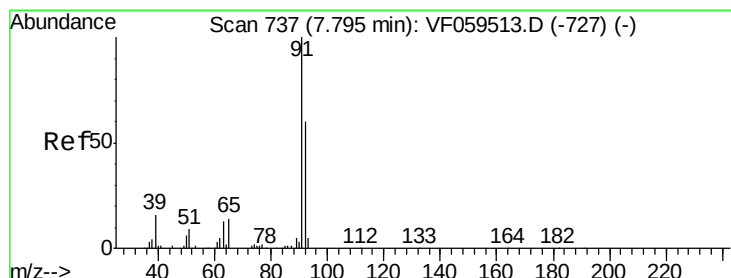
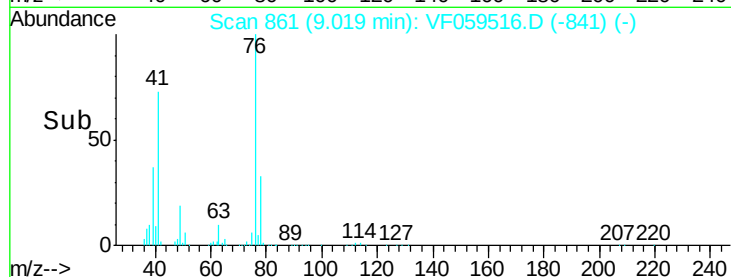
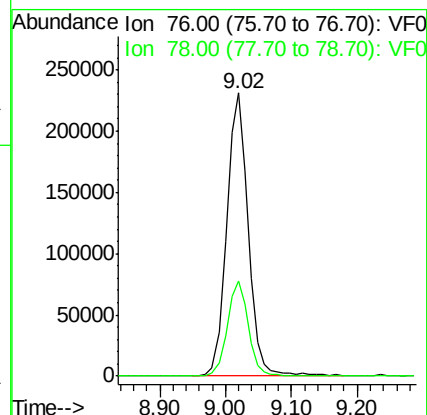
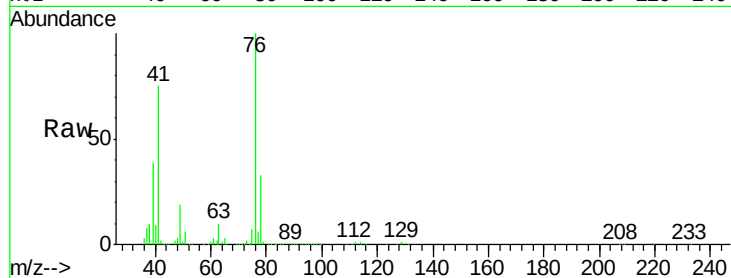
VSTDIC150

Tot Ion: 76 Resp: 527901

Ion Ratio Lower Upper

76 100

78 33.5 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 646.990 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059516.D

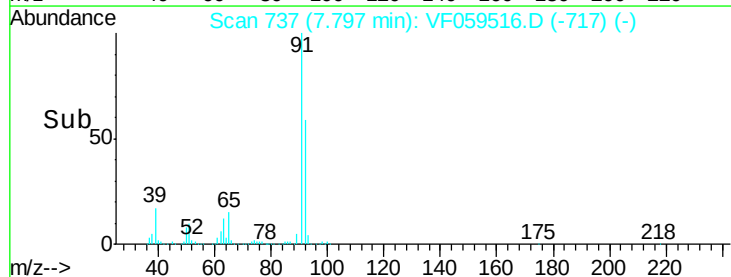
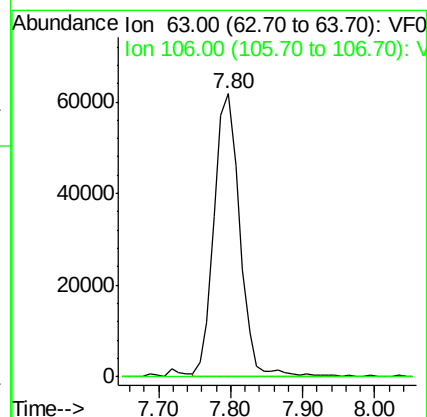
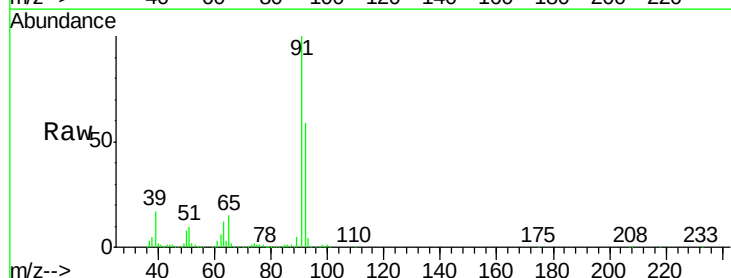
Acq: 17 Jul 2018 19:23

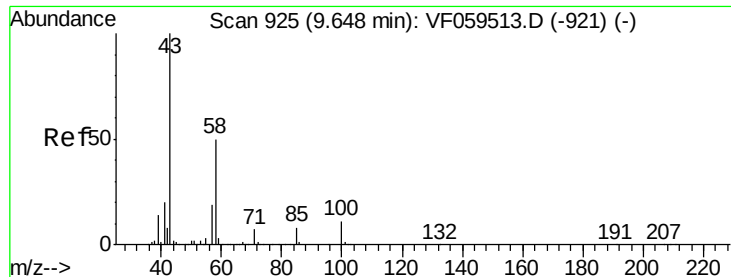
Tgt Ion: 63 Resp: 151104

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

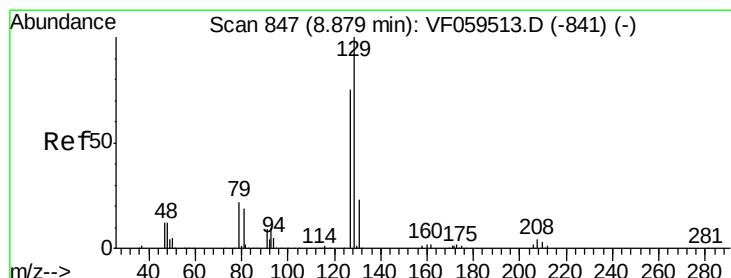
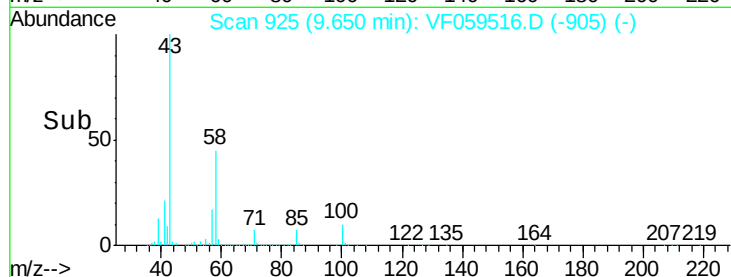
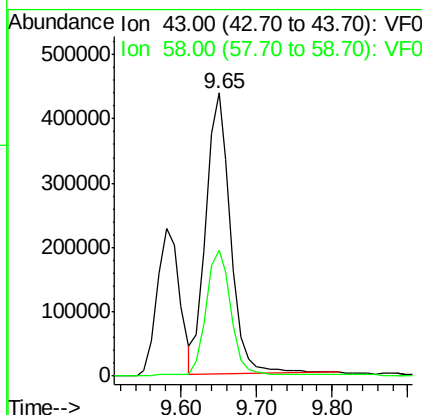
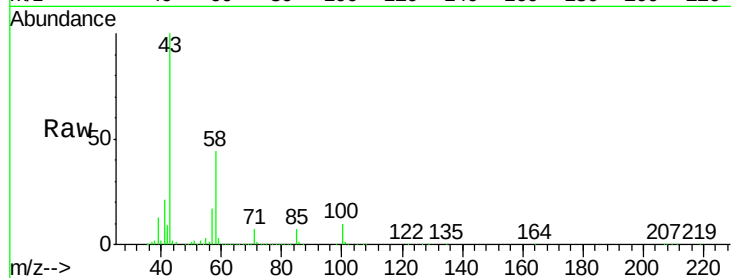




#59
2-Hexanone
Concen: 621.959 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

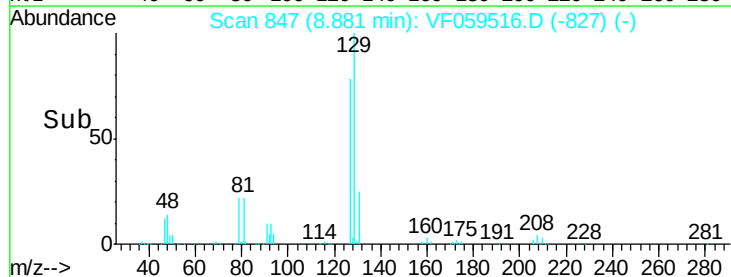
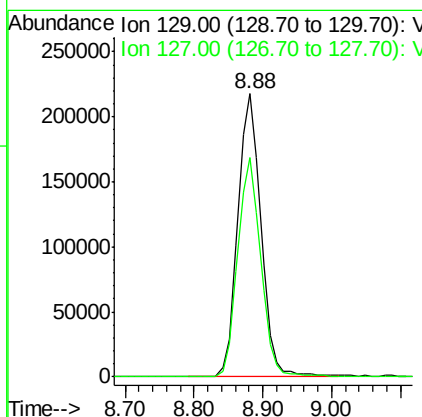
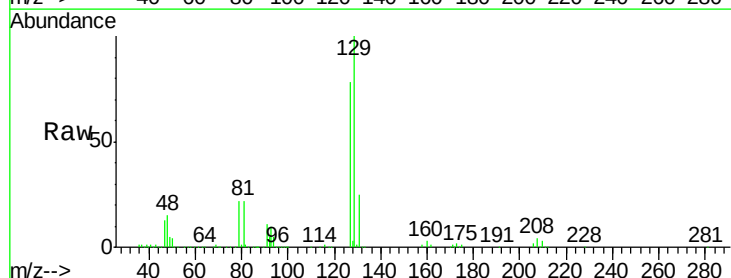
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

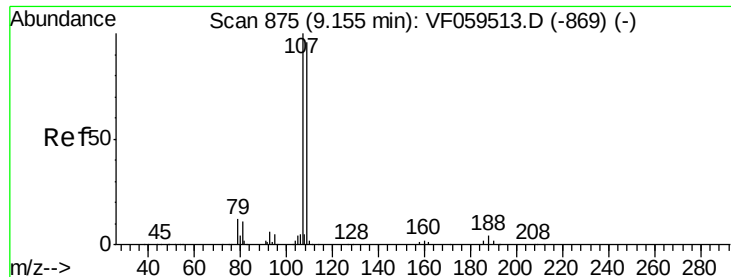
Tot Ion: 43 Resp: 1001289
Ion Ratio Lower Upper
43 100
58 44.5 23.3 69.9



#60
Dibromochloromethane
Concen: 141.089 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion: 129 Resp: 508494
Ion Ratio Lower Upper
129 100
127 77.7 37.6 112.8





#61

1,2-Dibromoethane

Concen: 142.188 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

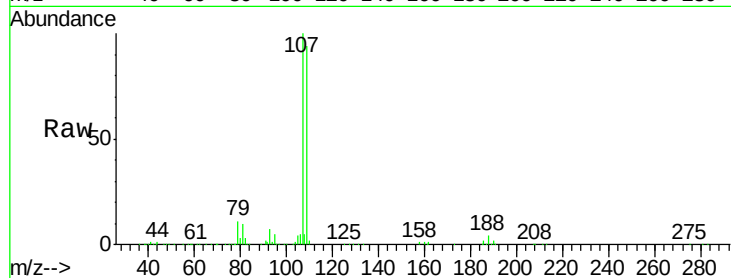
VSTDIC150

Tot Ion:107 Resp: 382157

Ion Ratio Lower Upper

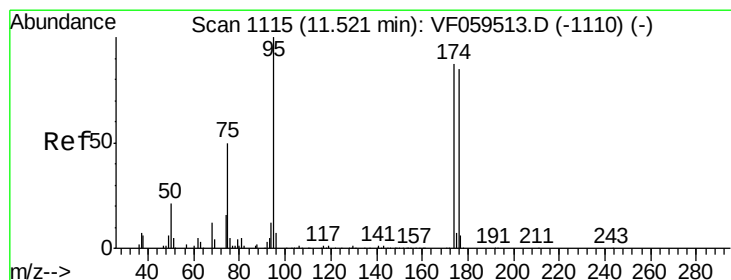
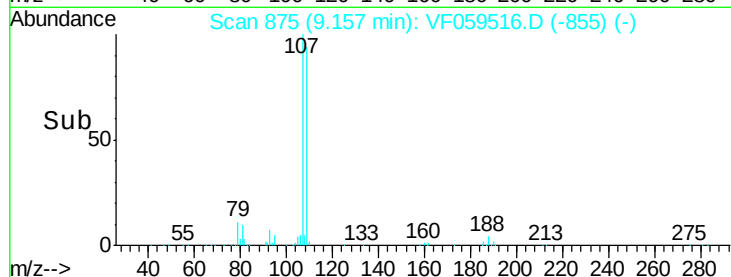
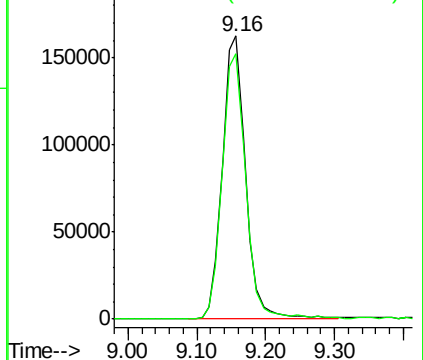
107 100

109 93.8 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: 129.149 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

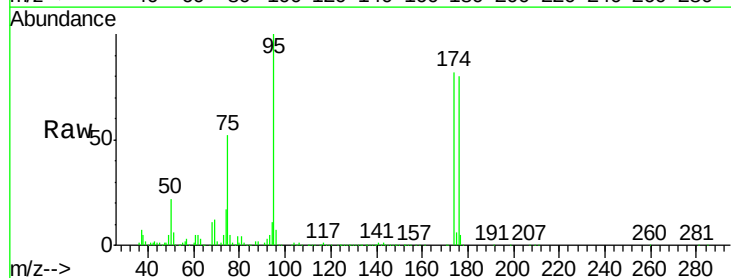
Tgt Ion: 95 Resp: 577515

Ion Ratio Lower Upper

95 100

174 82.0 0.0 174.4

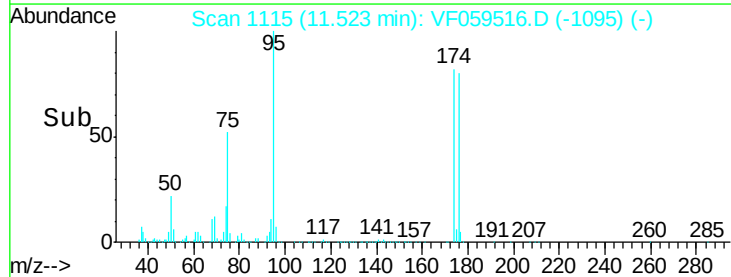
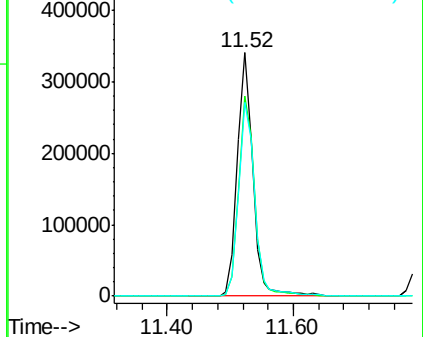
176 79.8 0.0 169.4

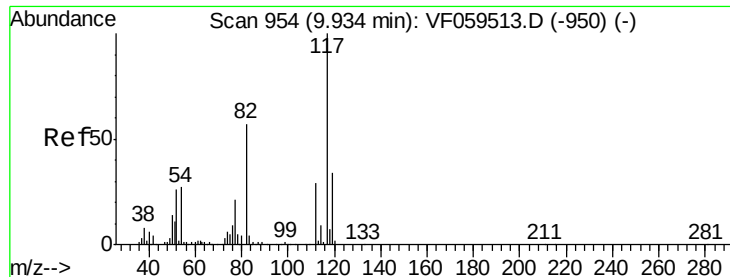


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

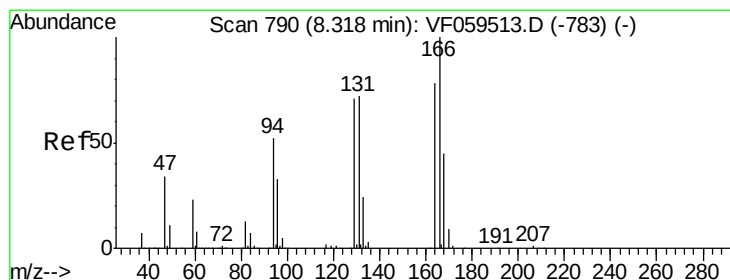
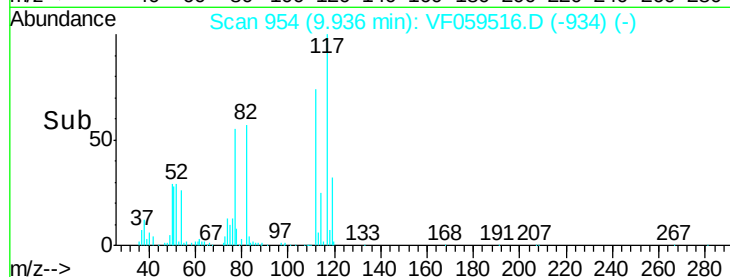
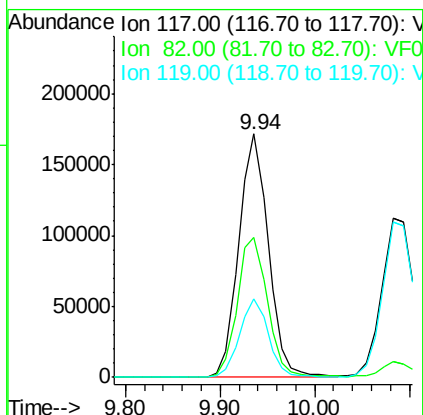
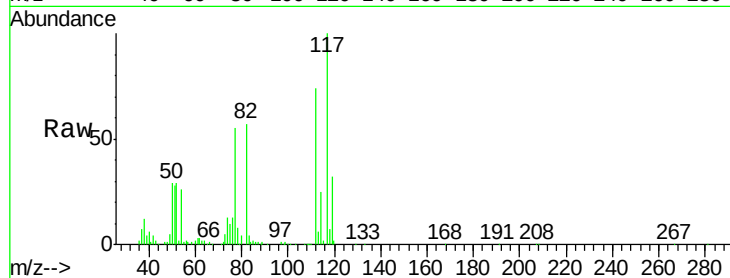




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

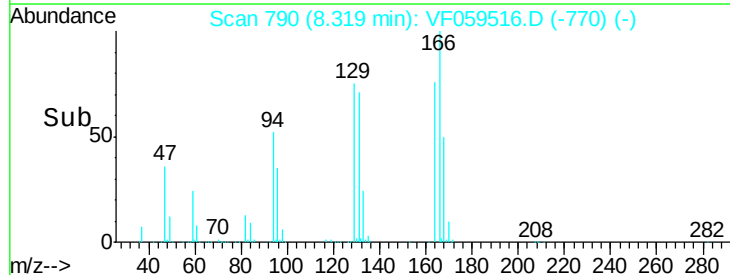
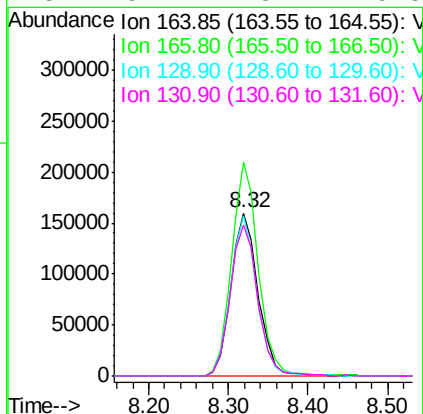
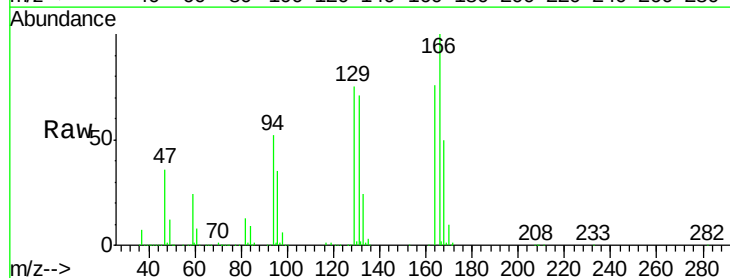
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

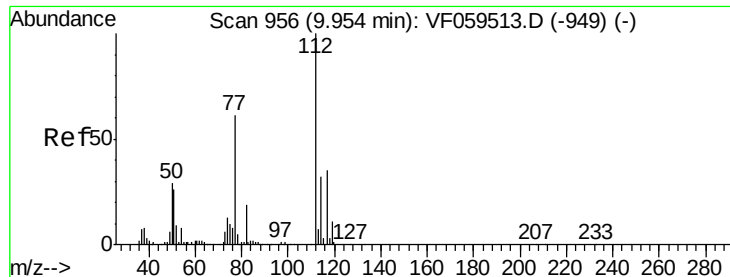
Tot Ion:117 Resp: 373112
Ion Ratio Lower Upper
117 100
82 57.4 46.1 69.1
119 32.0 27.2 40.8



#64
Tetrachloroethene
Concen: 129.342 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion:164 Resp: 380480
Ion Ratio Lower Upper
164 100
166 131.1 102.3 153.5
129 98.3 72.4 108.6
131 92.7 73.7 110.5





#65

Chlorobenzene

Concen: 137.333 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

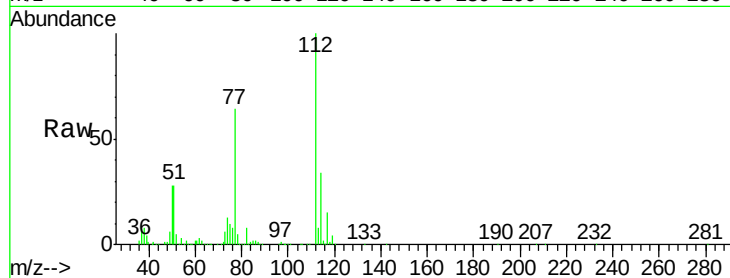
VSTDIC150

Tot Ion:112 Resp: 963790

Ion Ratio Lower Upper

112 100

114 33.7 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.96

400000

300000

200000

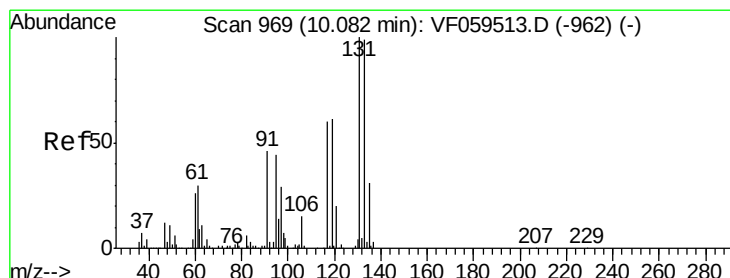
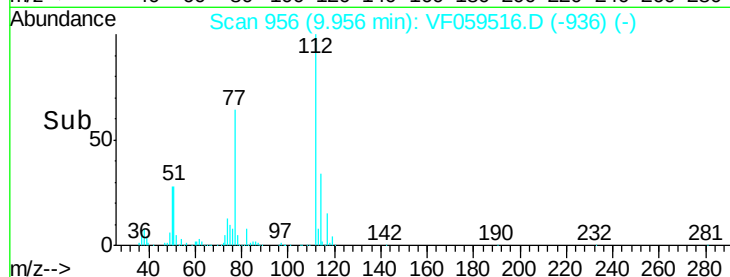
100000

0

Time-->

9.80

10.00



#66

1,1,1,2-Tetrachloroethane

Concen: 135.484 ug/l

RT: 10.09 min Scan# 970

Delta R.T. 0.01 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

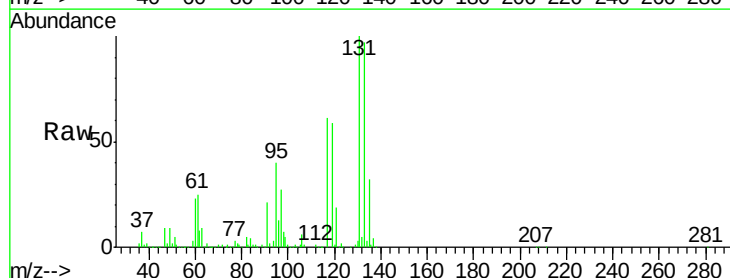
Tgt Ion:131 Resp: 430454

Ion Ratio Lower Upper

131 100

133 97.2 49.6 148.8

119 59.3 31.4 94.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.09

250000

200000

150000

100000

50000

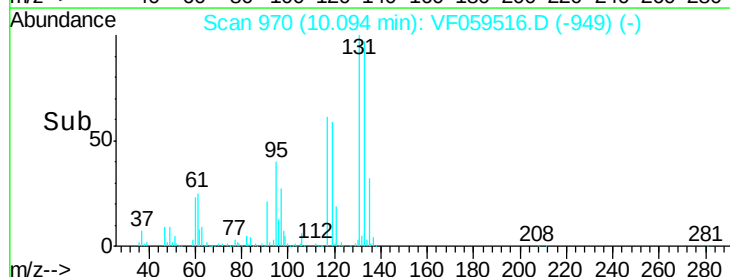
0

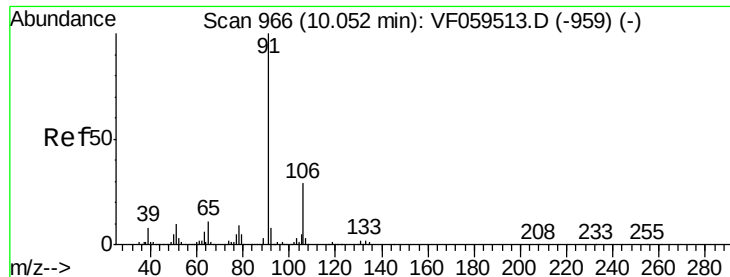
Time-->

10.00

10.10

10.20

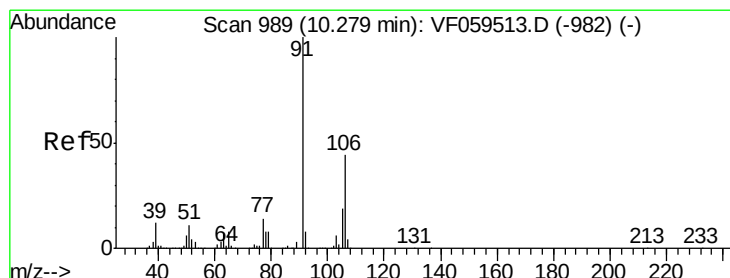
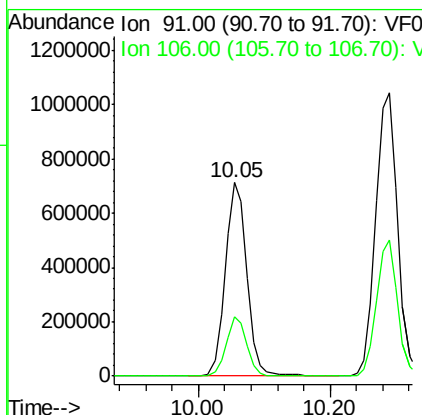
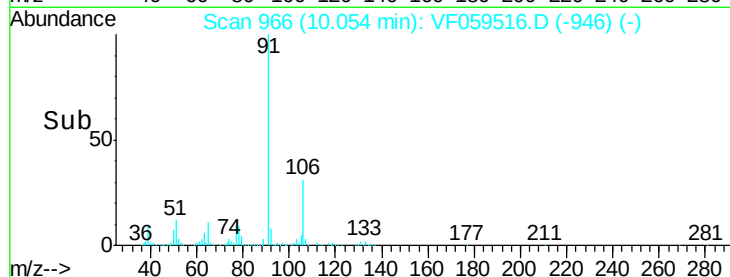
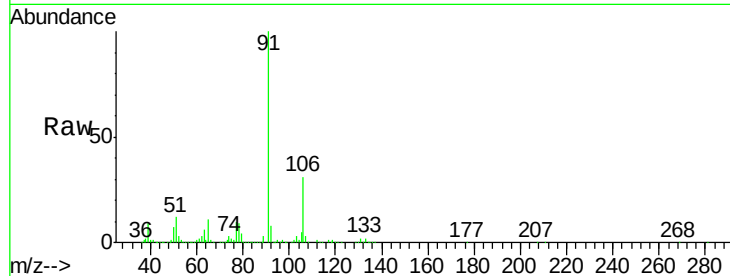




#67
Ethyl Benzene
Concen: 130.379 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

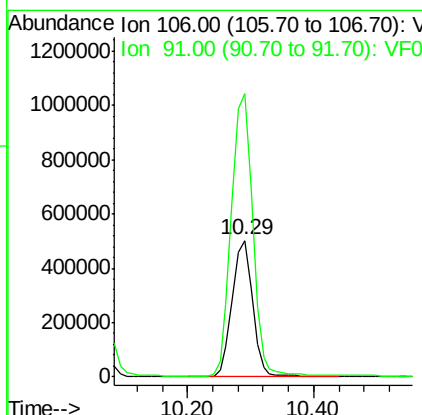
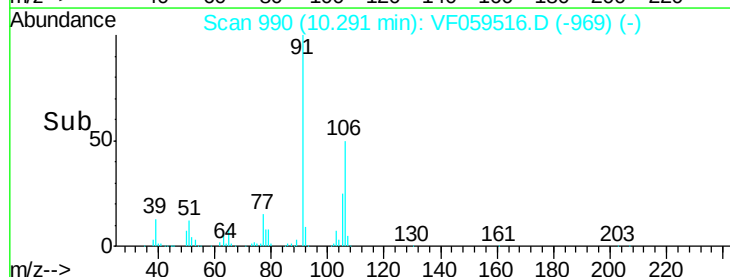
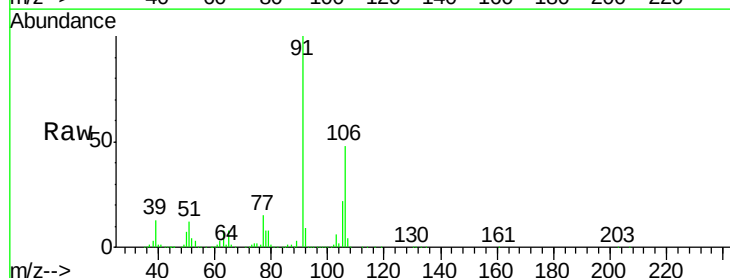
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

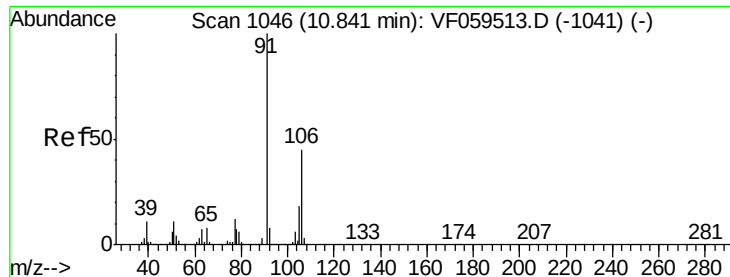
Tot Ion: 91 Resp: 1632450
Ion Ratio Lower Upper
91 100
106 30.9 23.4 35.2



#68
m/p-Xylenes
Concen: 251.326 ug/l
RT: 10.29 min Scan# 990
Delta R.T. 0.01 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion: 106 Resp: 1127145
Ion Ratio Lower Upper
106 100
91 207.3 181.0 271.4

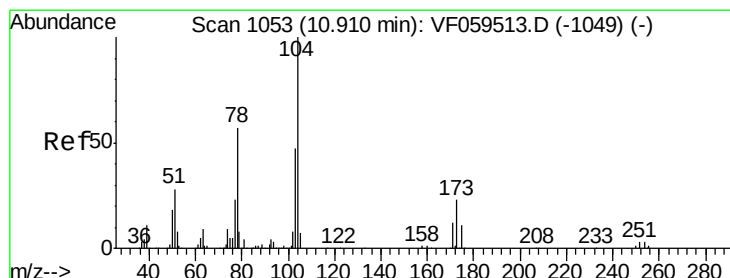
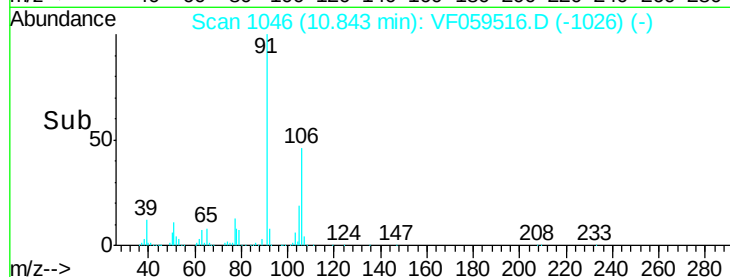
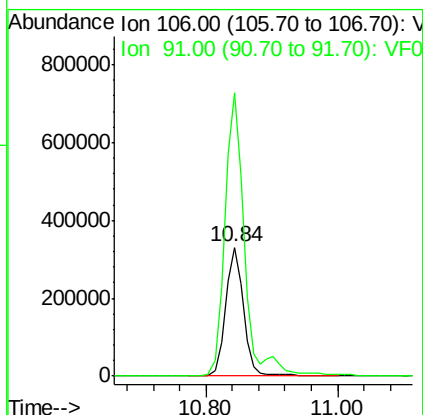
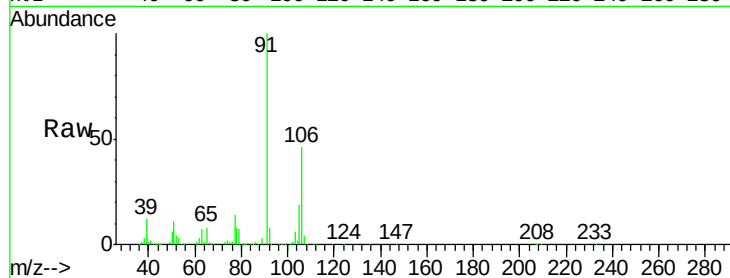




#69
o-Xylene
Concen: 136.693 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

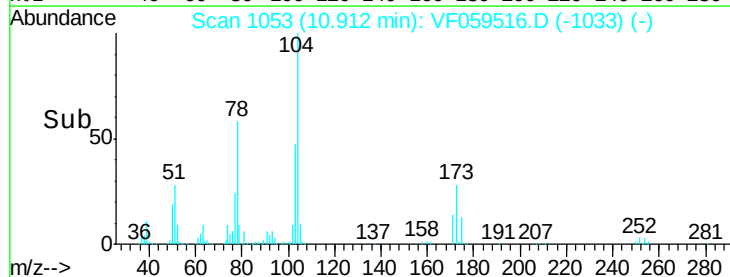
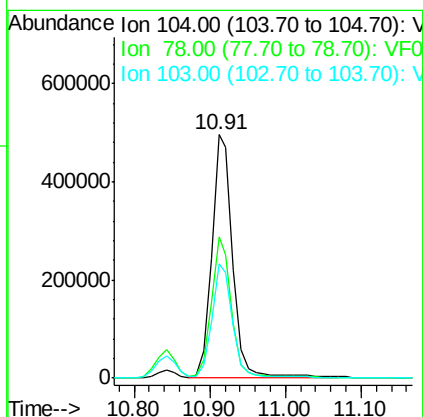
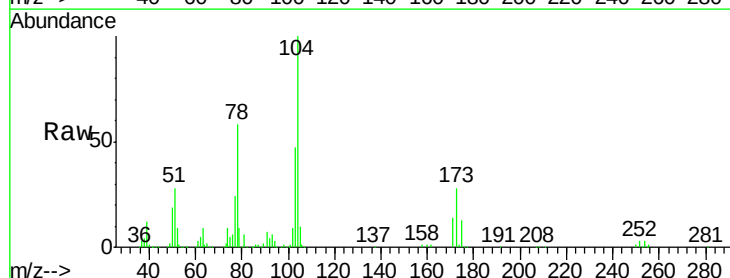
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

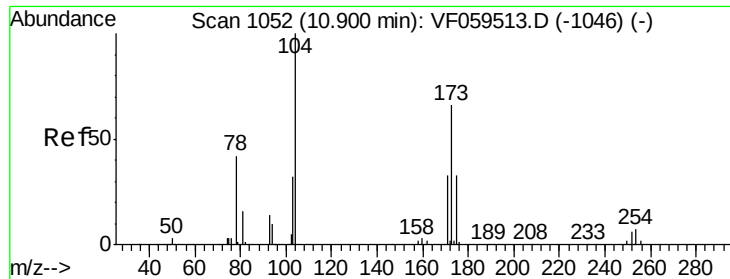
Tot Ion:106 Resp: 637066
Ion Ratio Lower Upper
106 100
91 219.3 112.3 336.9



#70
Styrene
Concen: 129.150 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion:104 Resp: 952297
Ion Ratio Lower Upper
104 100
78 57.8 45.7 68.5
103 47.2 38.1 57.1





#71

Bromoform

Concen: 138.846 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

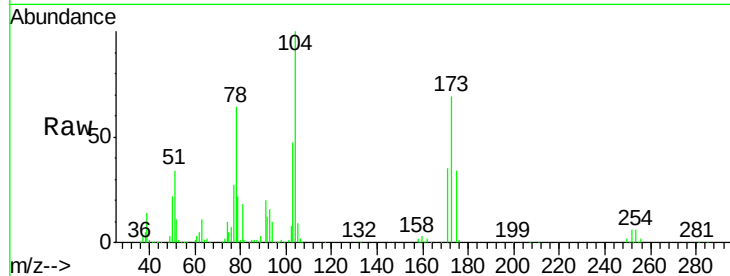
Tot Ion:173 Resp: 321632

Ion Ratio Lower Upper

173 100

175 49.1 25.3 75.8

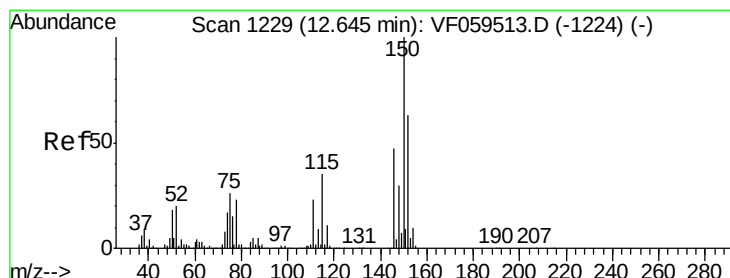
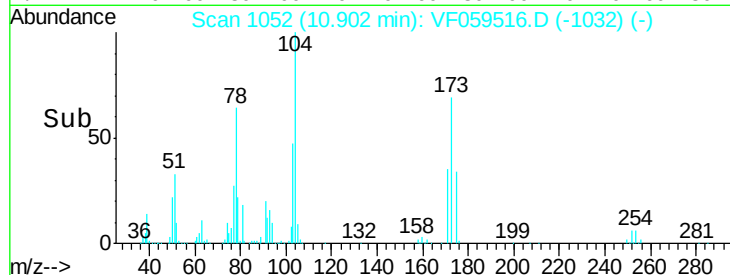
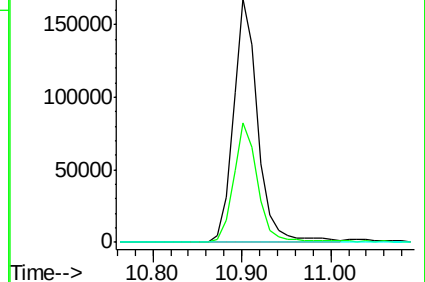
254 0.2 0.0 0.0#



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: 12.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

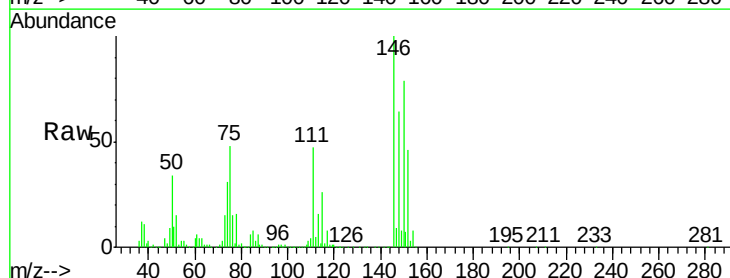
Tgt Ion:152 Resp: 209174

Ion Ratio Lower Upper

152 100

115 56.5 27.8 83.3

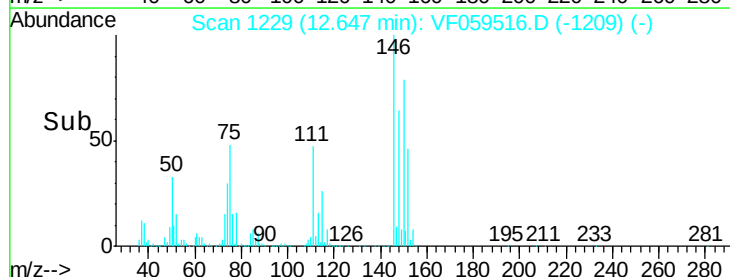
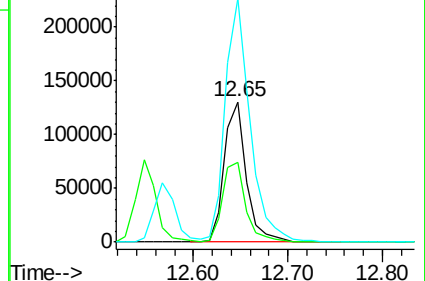
150 173.7 0.0 318.4

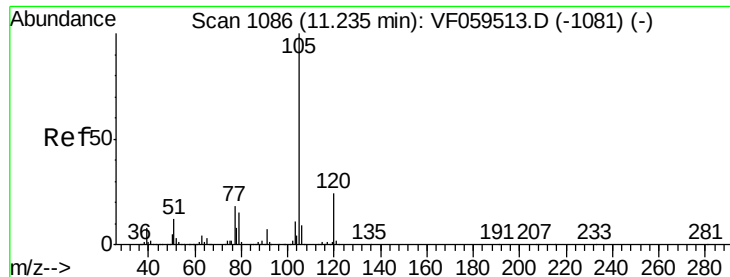


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 131.678 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

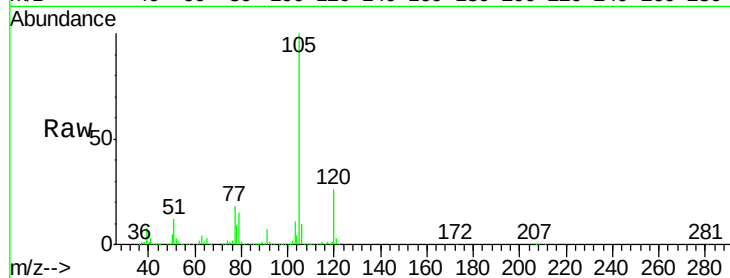
VSTDIC150

Tot Ion:105 Resp: 1757064

Ion Ratio Lower Upper

105 100

120 26.1 12.0 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.24

1000000

800000

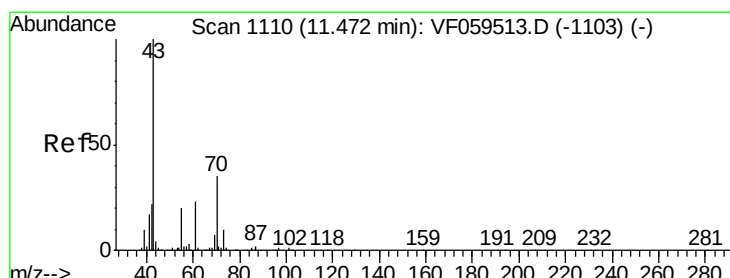
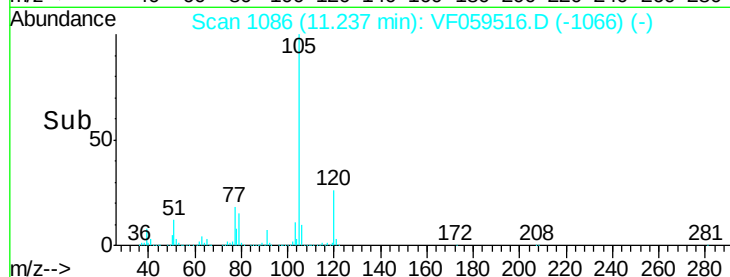
600000

400000

200000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 126.284 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion: 43 Resp: 597999

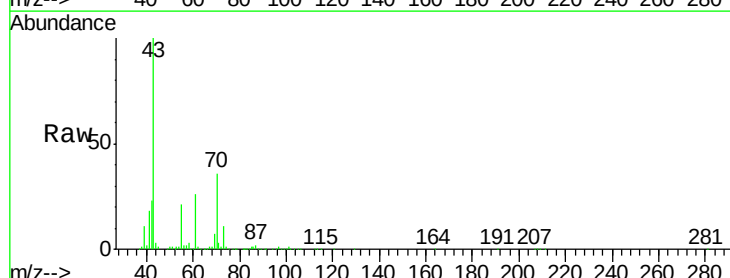
Ion Ratio Lower Upper

43 100

70 36.3 27.9 41.9

55 21.1 16.2 24.2

61 25.9 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

500000

400000

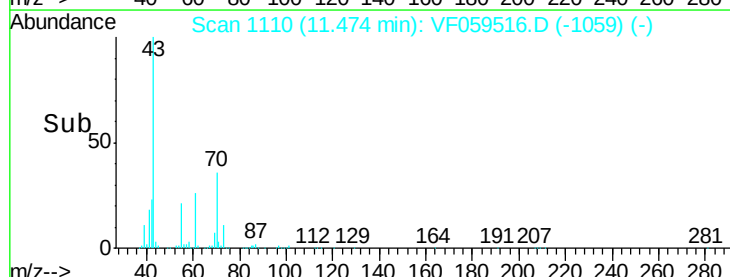
300000

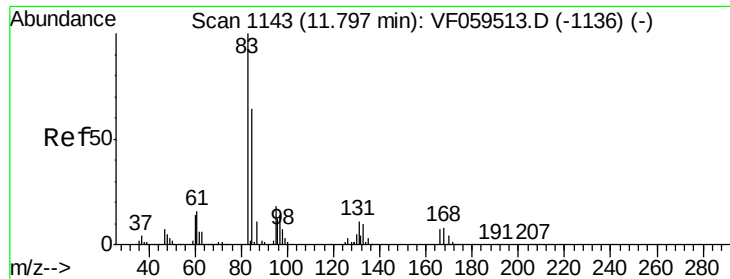
200000

100000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 132.416 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

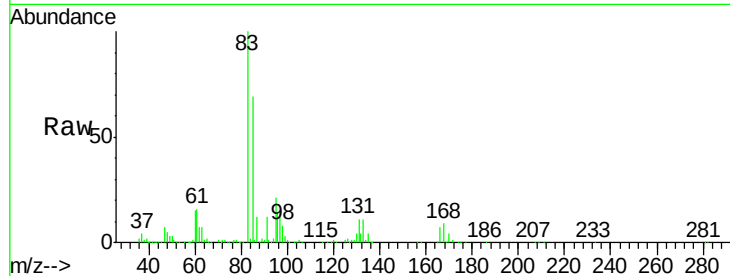
Tot Ion: 83 Resp: 387470

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.1

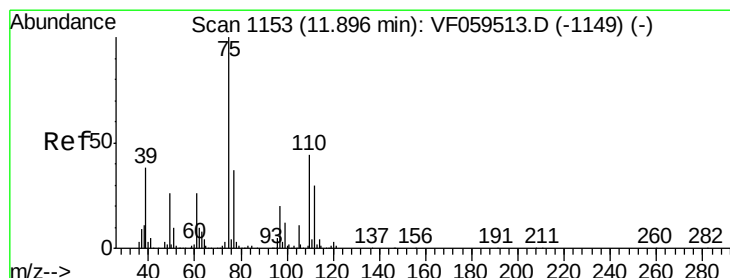
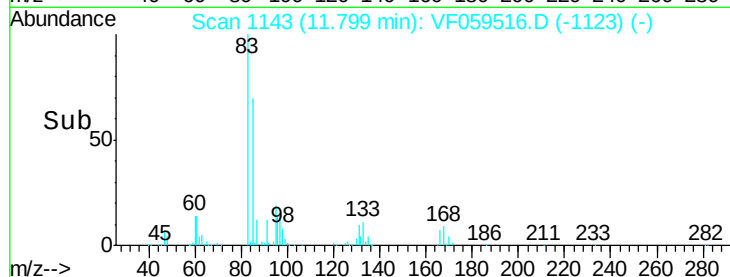
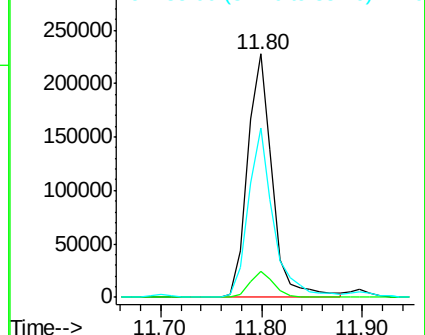
85 69.4 31.9 95.9



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: 132.109 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059516.D

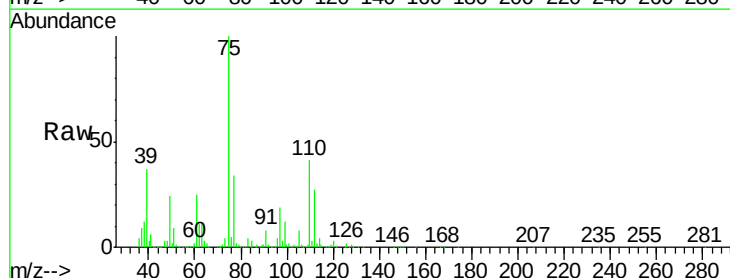
Acq: 17 Jul 2018 19:23

Tgt Ion: 75 Resp: 318727

Ion Ratio Lower Upper

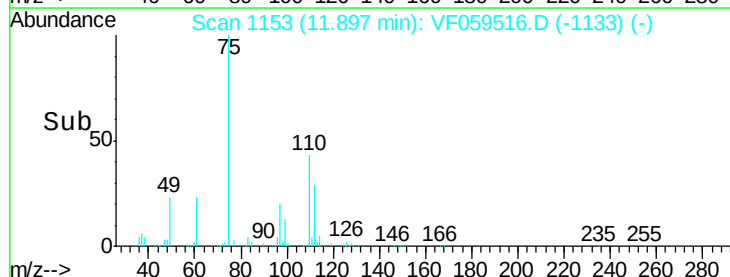
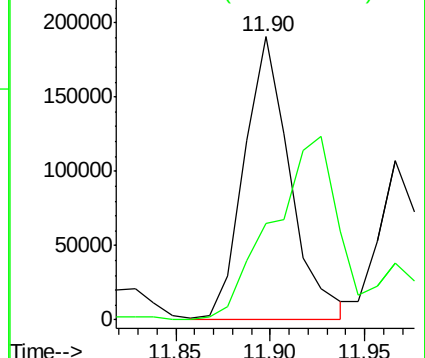
75 100

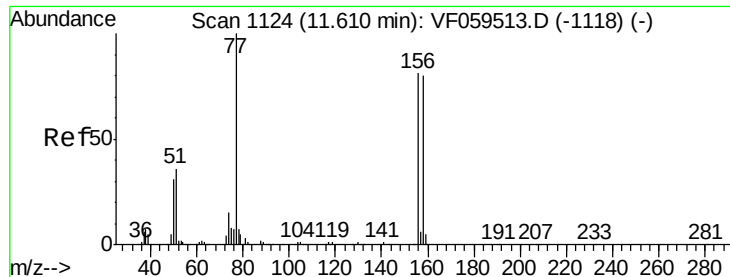
77 34.2 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 134.865 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

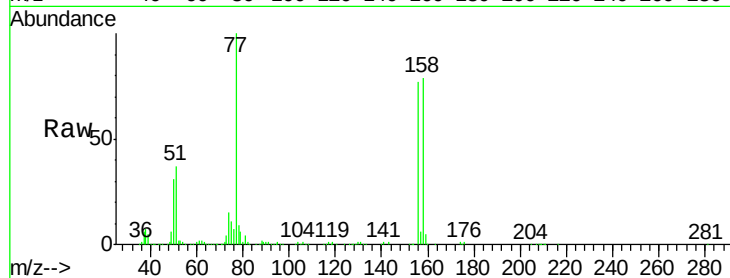
Tot Ion:156 Resp: 507101

Ion Ratio Lower Upper

156 100

77 129.1 62.0 186.0

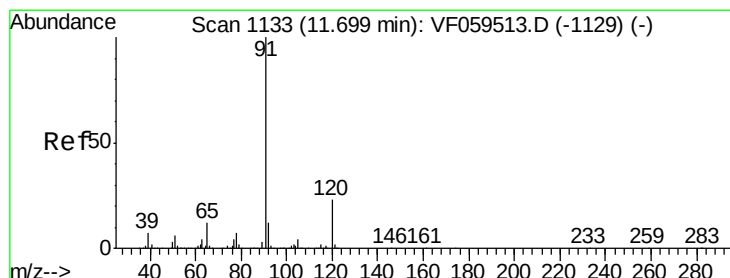
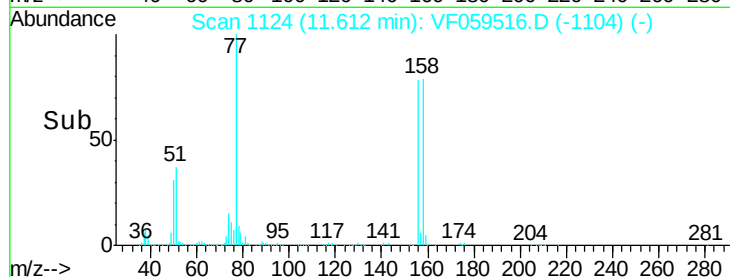
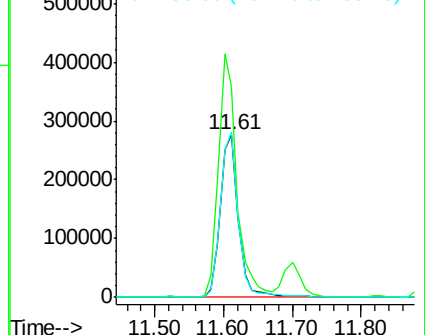
158 101.7 49.8 149.3



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: 126.122 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059516.D

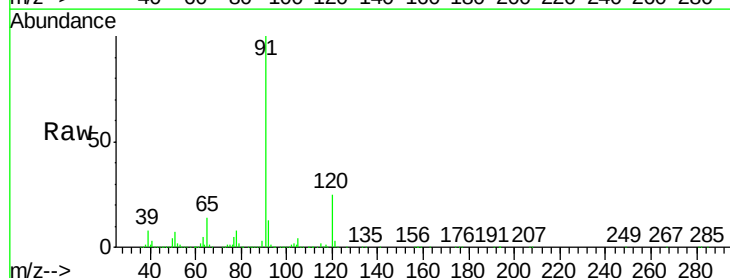
Acq: 17 Jul 2018 19:23

Tgt Ion: 91 Resp: 1948407

Ion Ratio Lower Upper

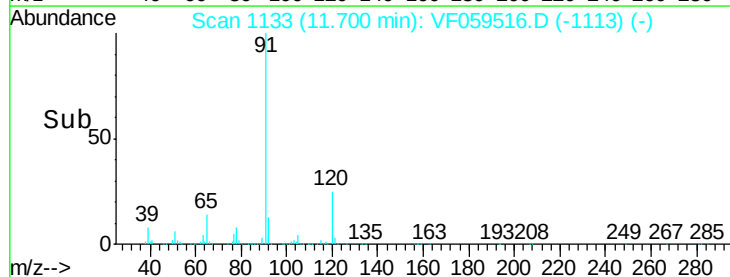
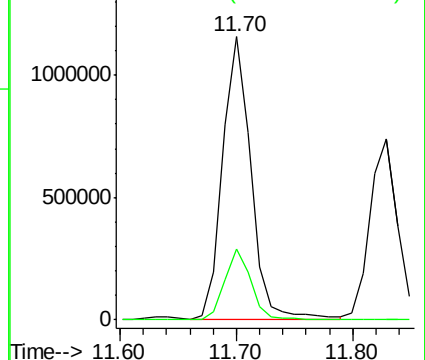
91 100

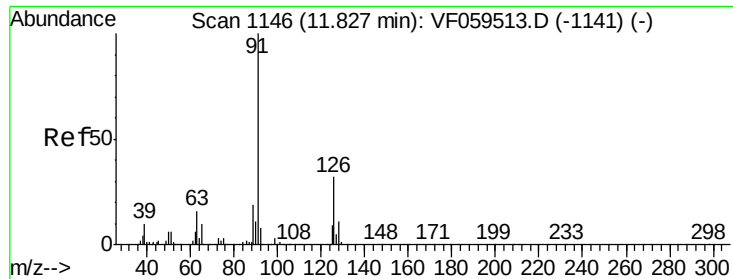
120 25.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

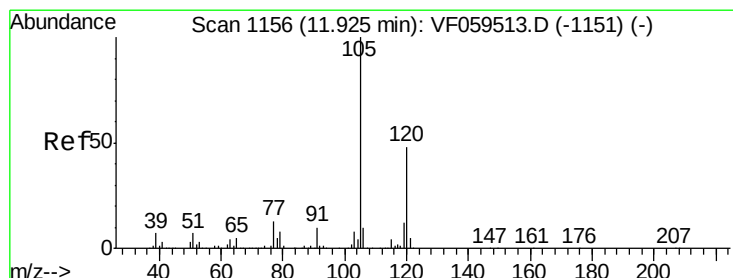
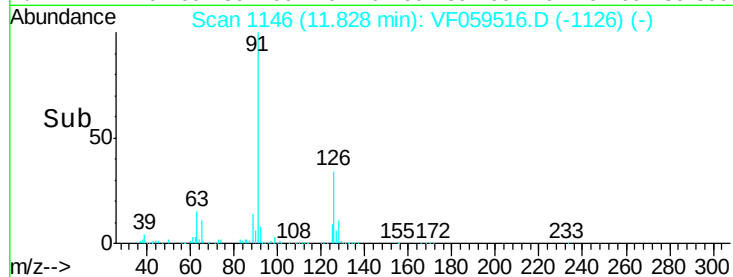
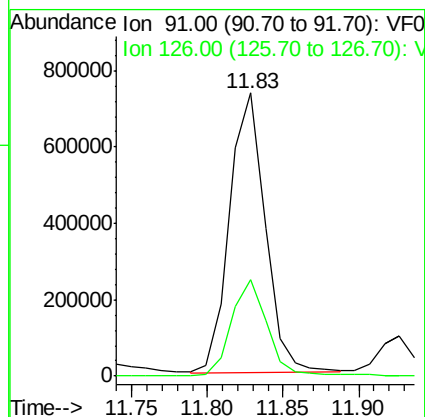
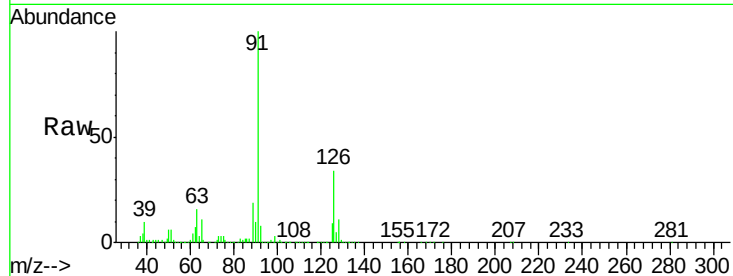




#79
 2-Chlorotoluene
 Concen: 128.767 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

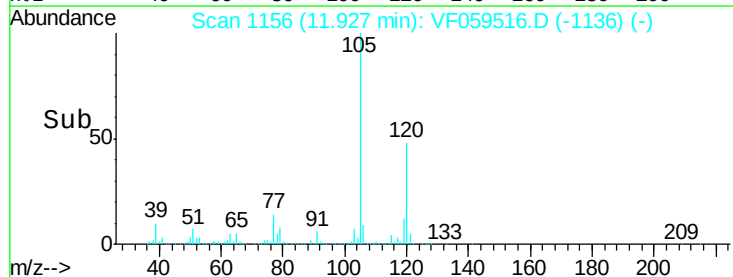
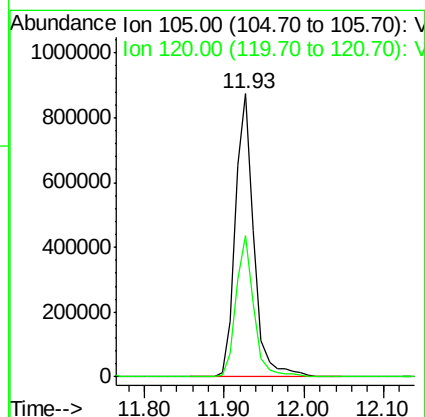
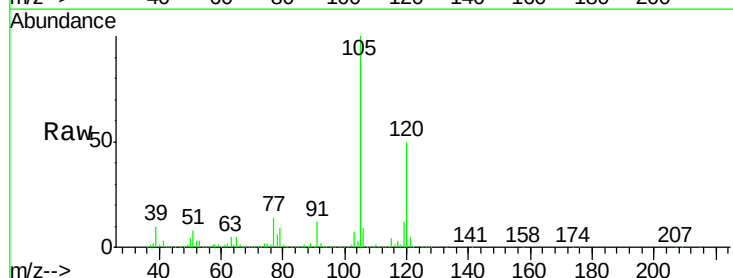
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

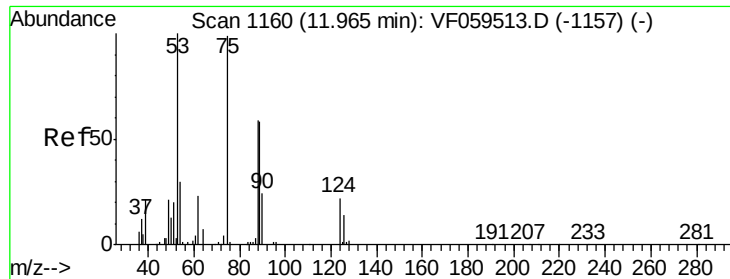
Tot Ion: 91 Resp: 1202281
 Ion Ratio Lower Upper
 91 100
 126 34.1 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 124.425 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Tgt Ion:105 Resp: 1427438
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 191.147 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

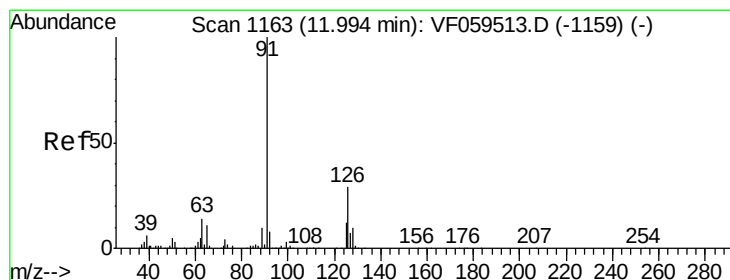
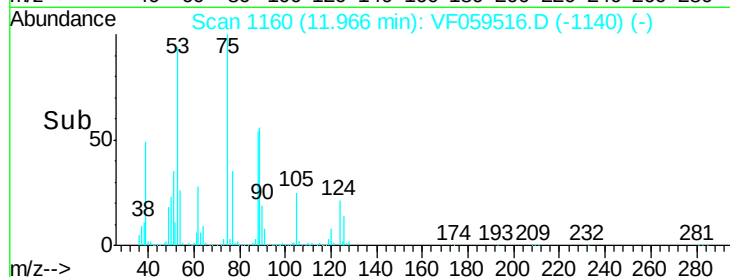
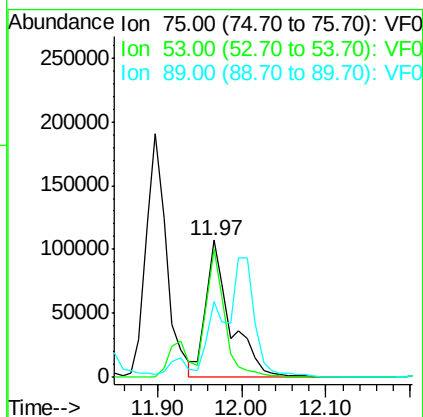
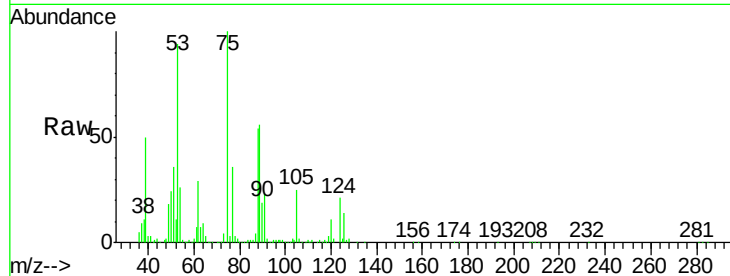
Tot Ion: 75 Resp: 218646

Ion Ratio Lower Upper

75 100

53 94.1 84.6 127.0

89 55.9 48.2 72.4



#82

4-Chlorotoluene

Concen: 126.874 ug/l

RT: 12.01 min Scan# 1164

Delta R.T. 0.01 min

Lab File: VF059516.D

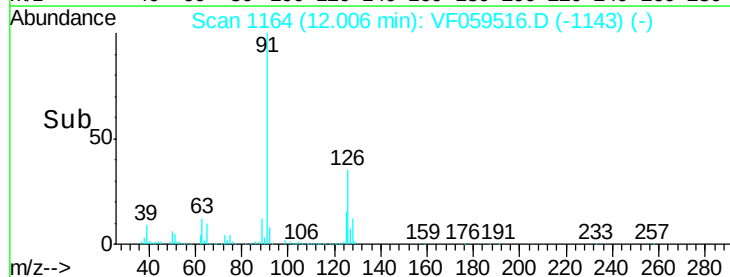
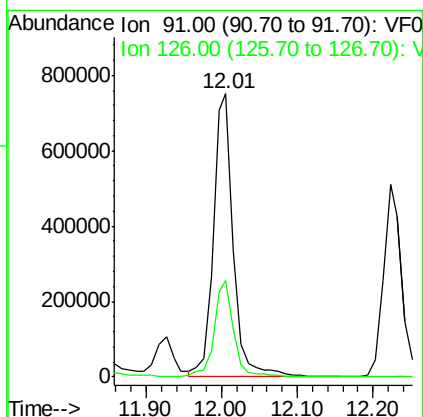
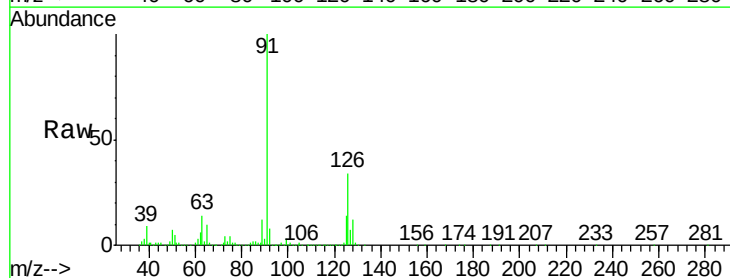
Acq: 17 Jul 2018 19:23

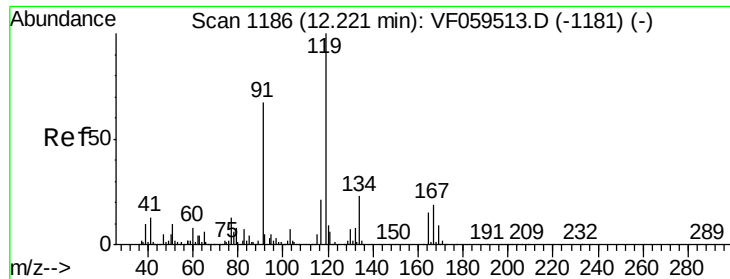
Tgt Ion: 91 Resp: 1372532

Ion Ratio Lower Upper

91 100

126 34.3 14.4 43.4

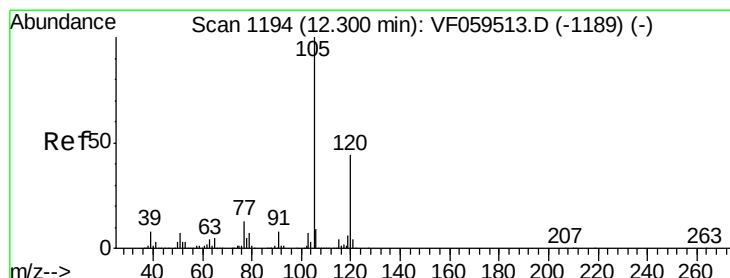
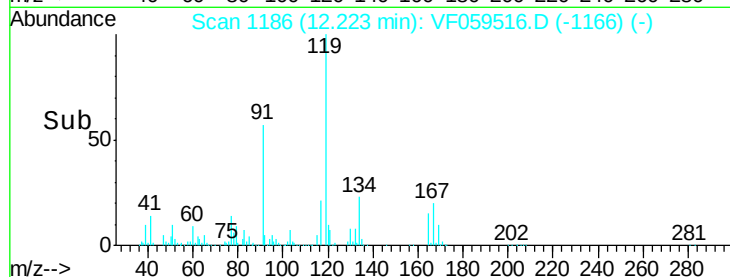
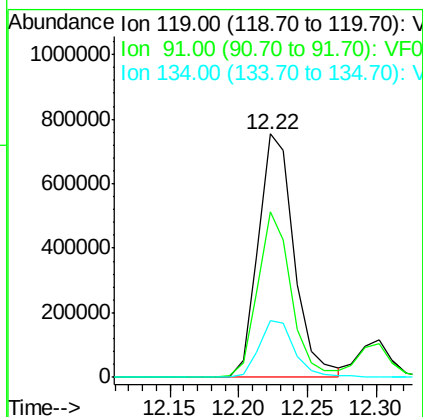
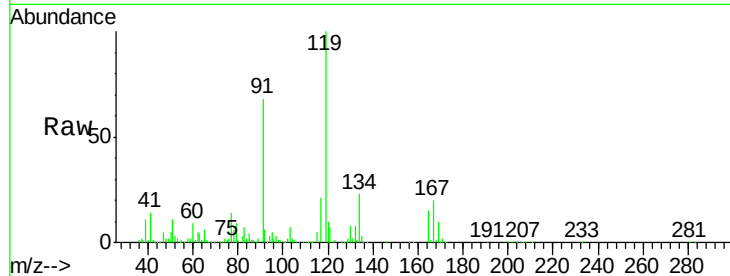




#83
 tert-Butylbenzene
 Concen: 127.595 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

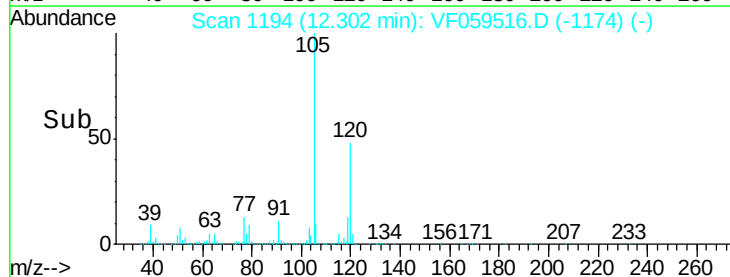
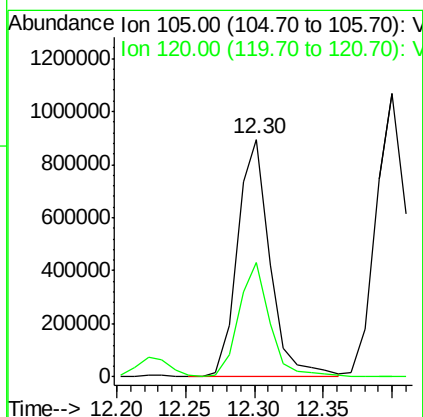
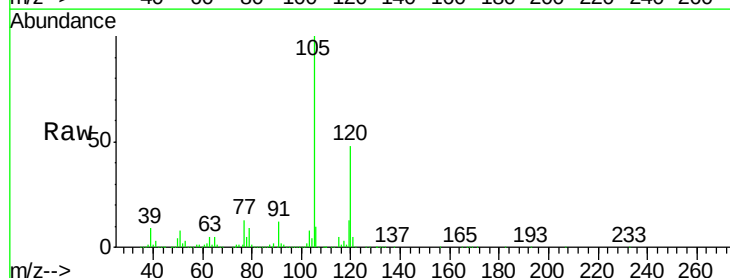
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

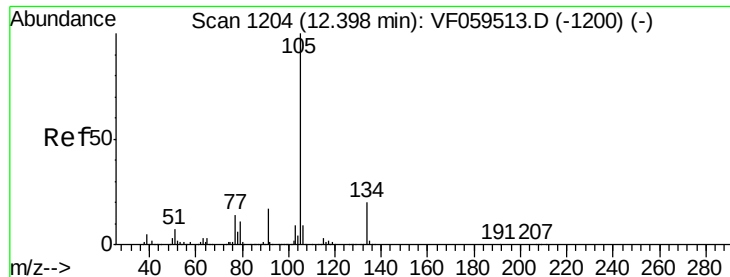
Tot Ion:119 Resp: 1370176
 Ion Ratio Lower Upper
 119 100
 91 67.9 33.5 100.5
 134 23.4 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 128.371 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Tgt Ion:105 Resp: 1471238
 Ion Ratio Lower Upper
 105 100
 120 48.0 22.5 67.5





#85

sec-Butylbenzene

Concen: 126.710 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

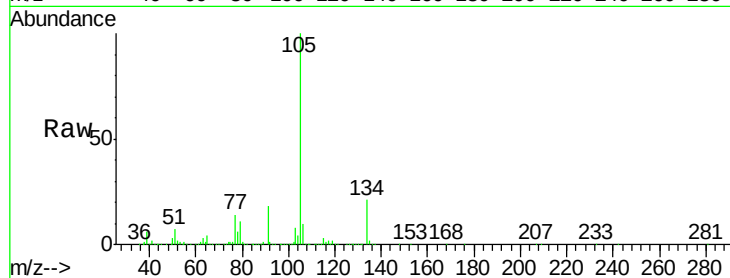
VSTDIC150

Tot Ion:105 Resp: 1718600

Ion Ratio Lower Upper

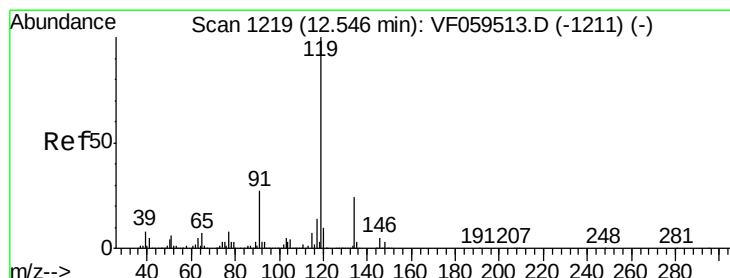
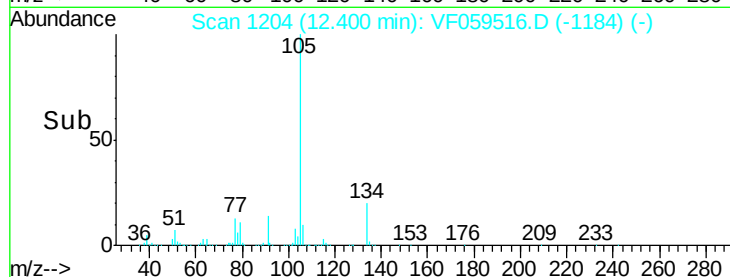
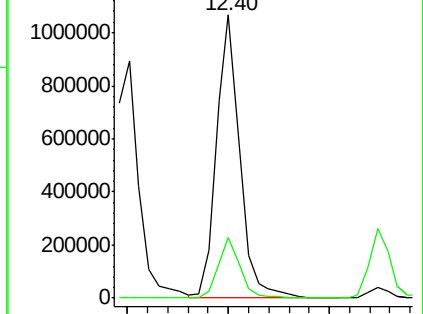
105 100

134 21.4 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 123.527 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

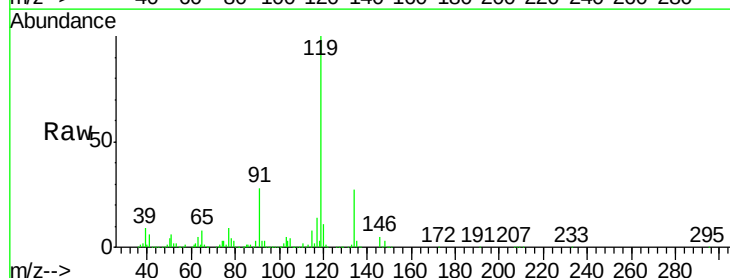
Tgt Ion:119 Resp: 1482009

Ion Ratio Lower Upper

119 100

134 26.8 12.0 36.0

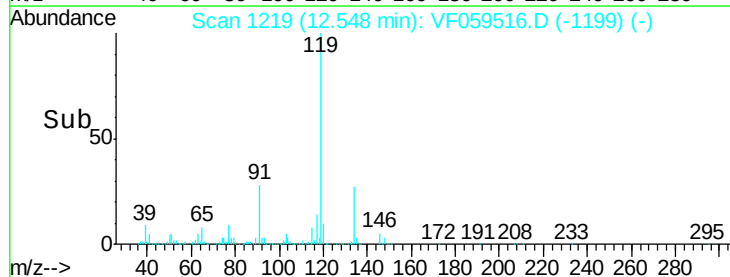
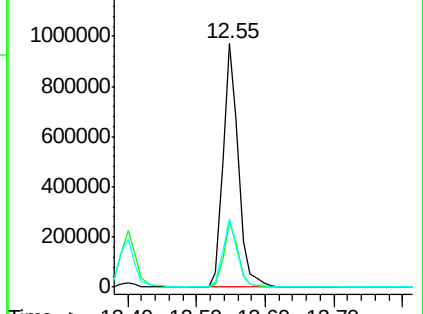
91 28.0 13.5 40.4

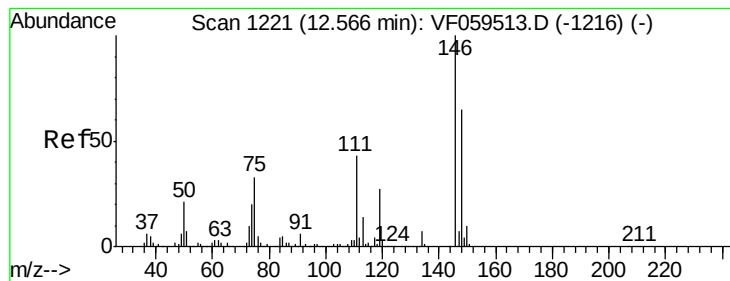


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 126.764 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

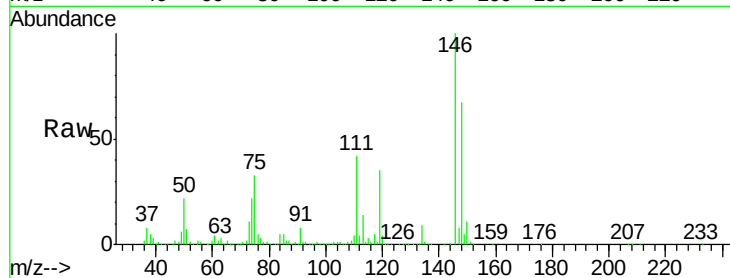
Tot Ion:146 Resp: 816139

Ion Ratio Lower Upper

146 100

111 42.4 21.4 64.3

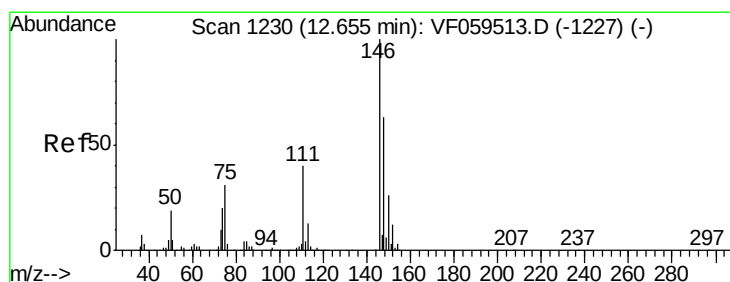
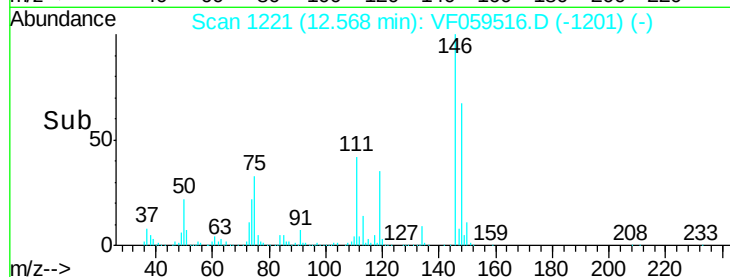
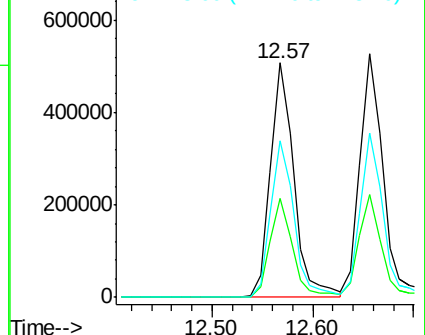
148 66.9 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 135.471 ug/l

RT: 12.66 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

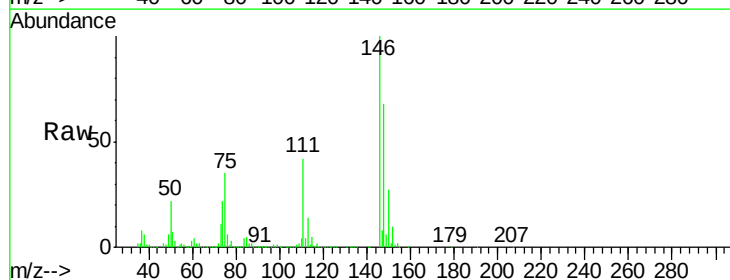
Tgt Ion:146 Resp: 843974

Ion Ratio Lower Upper

146 100

111 42.1 20.0 59.9

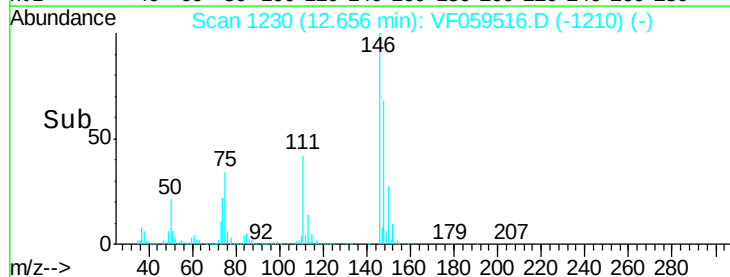
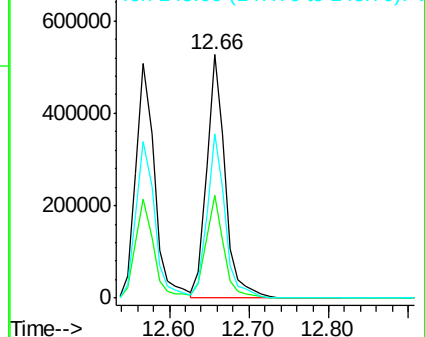
148 67.7 31.5 94.5

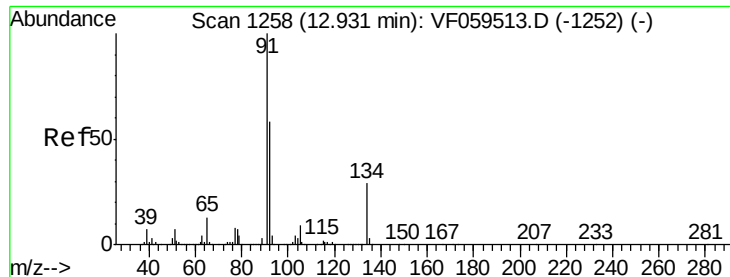


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 124.880 ug/l

RT: 12.93 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

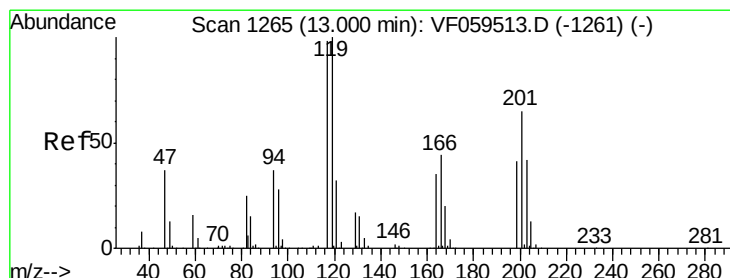
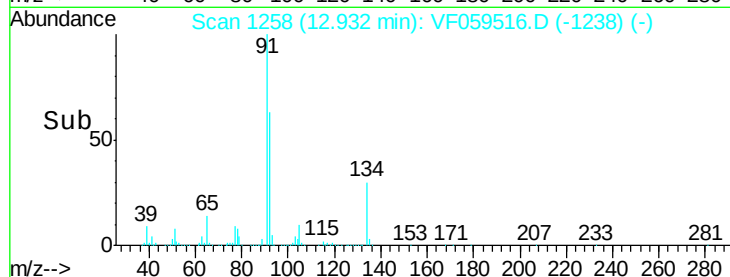
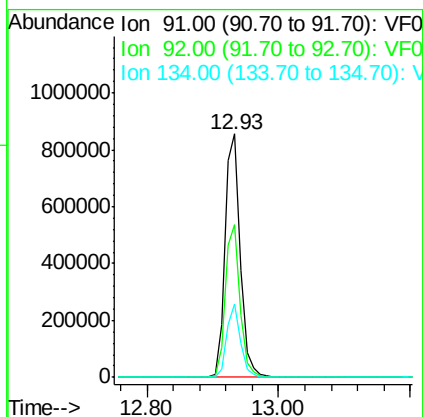
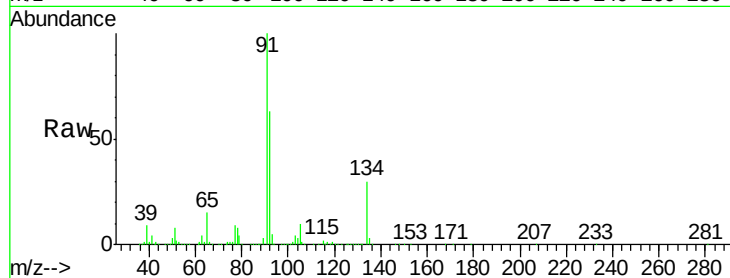
Tot Ion: 91 Resp: 1375599

Ion Ratio Lower Upper

91 100

92 62.7 29.1 87.3

134 30.0 14.3 42.9



#90

Hexachloroethane

Concen: 129.350 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF059516.D

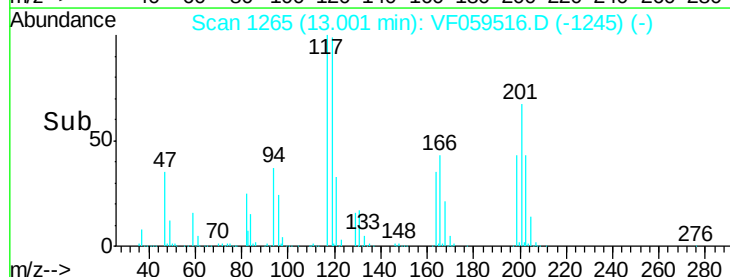
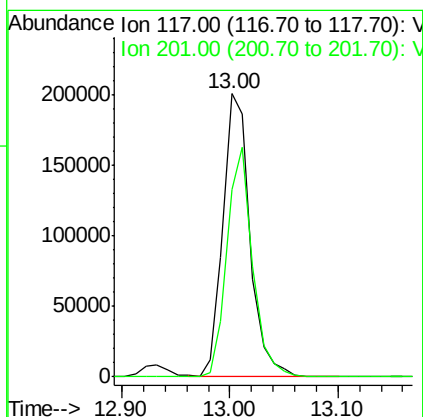
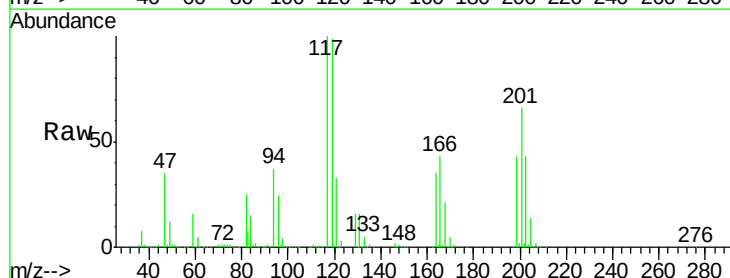
Acq: 17 Jul 2018 19:23

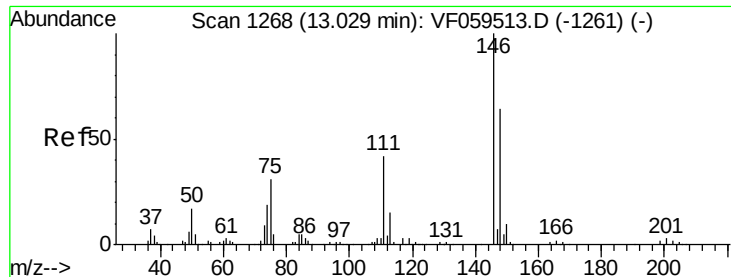
Tgt Ion: 117 Resp: 349385

Ion Ratio Lower Upper

117 100

201 66.4 32.6 98.0

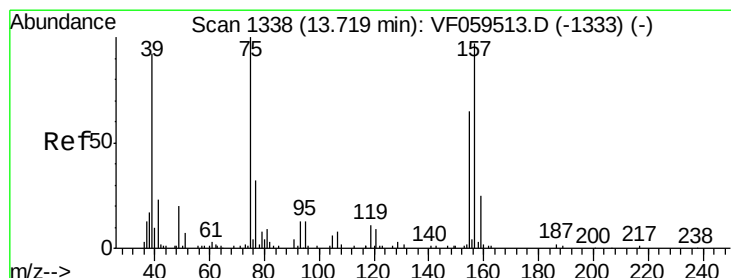
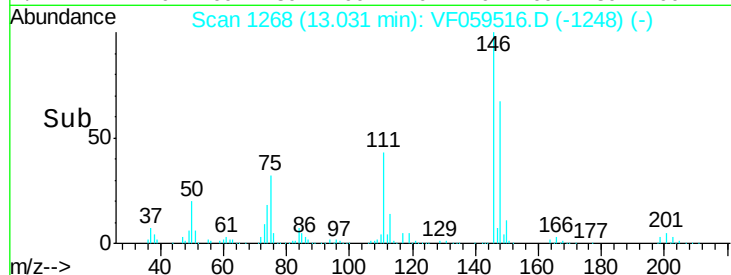
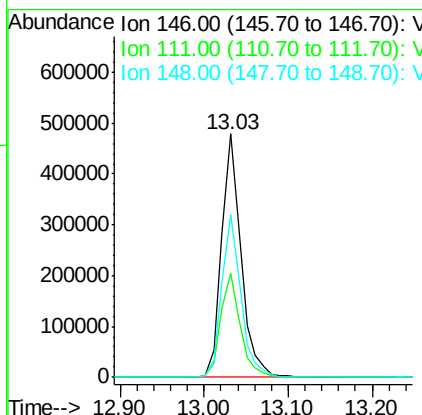
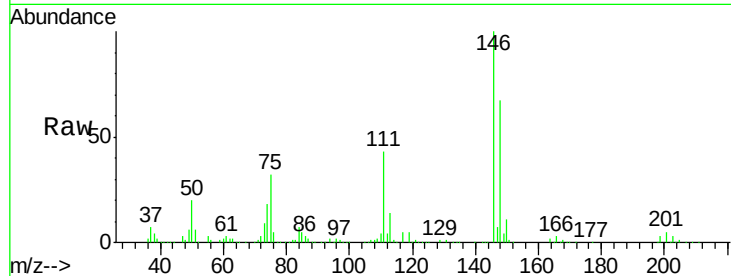




#91
 1,2-Dichlorobenzene
 Concen: 128.109 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

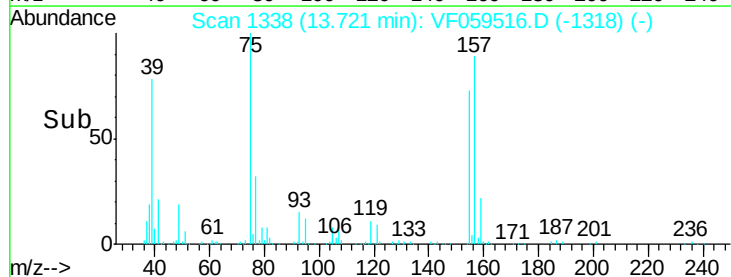
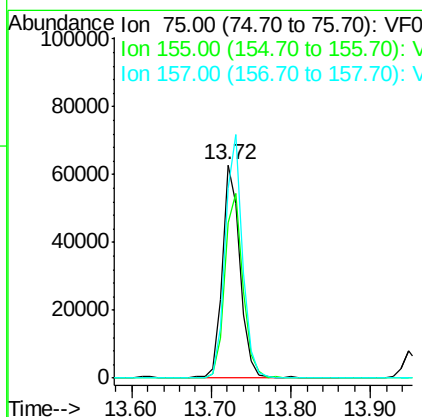
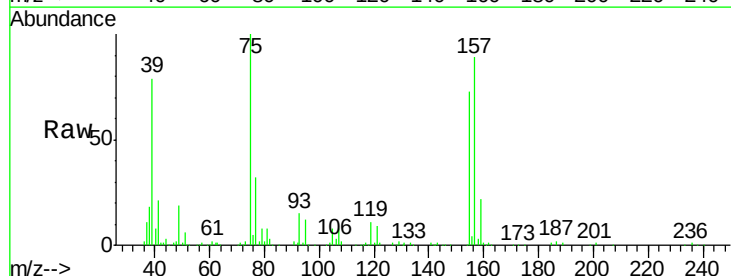
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

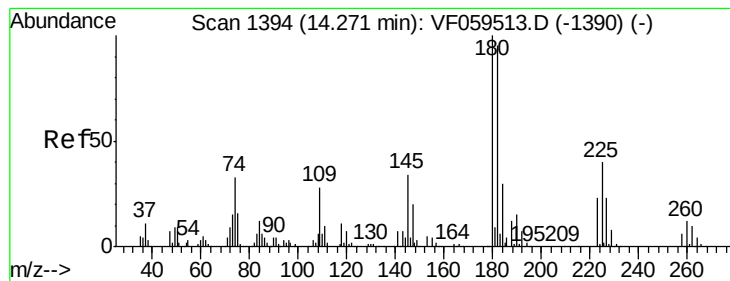
Tot Ion:146 Resp: 768919
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.1 63.1
 148 67.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 153.425 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Tgt Ion: 75 Resp: 99675
 Ion Ratio Lower Upper
 75 100
 155 72.5 32.8 98.3
 157 88.8 48.5 145.5





#93

1,2,4-Trichlorobenzene

Concen: 132.371 ug/l

RT: 14.27 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

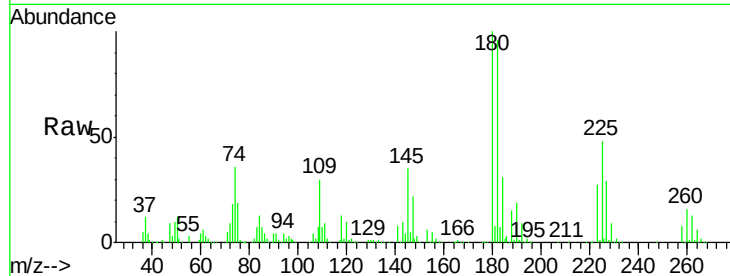
Tot Ion:180 Resp: 496836

Ion Ratio Lower Upper

180 100

182 96.5 47.5 142.5

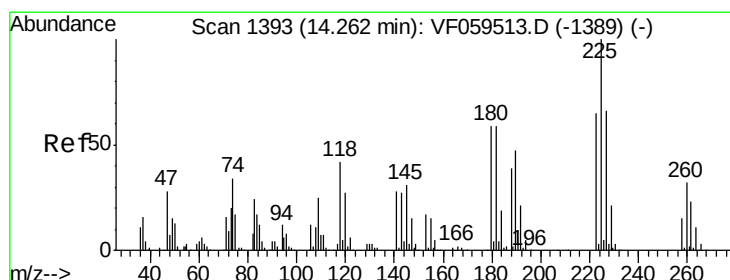
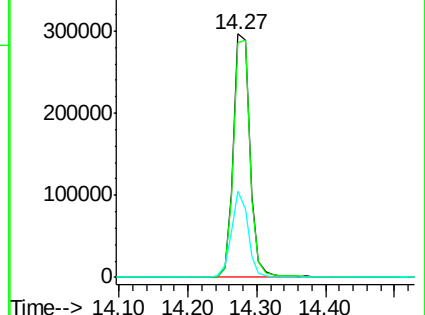
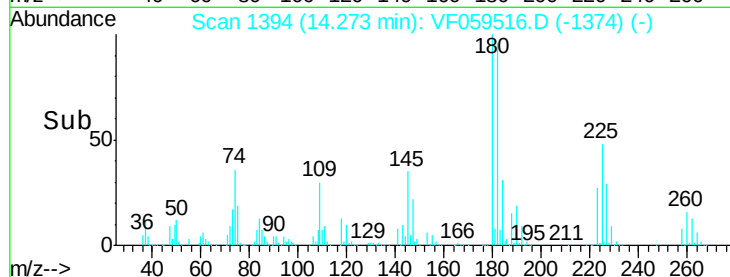
145 35.3 17.3 51.7



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: 166.158 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

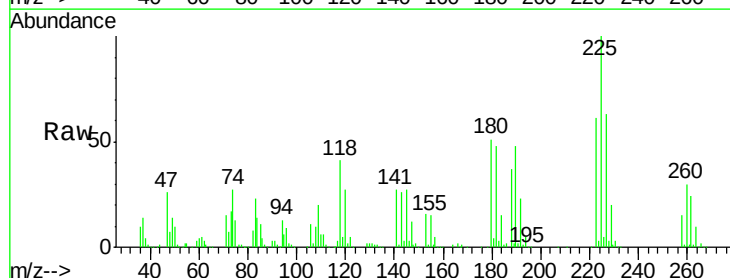
Tgt Ion:225 Resp: 276003

Ion Ratio Lower Upper

225 100

223 61.4 32.3 96.8

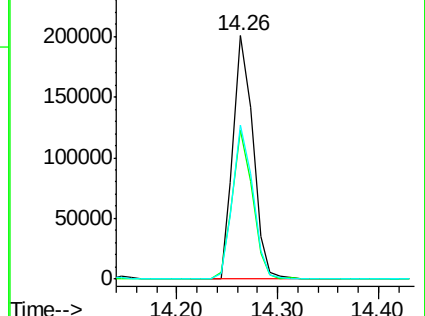
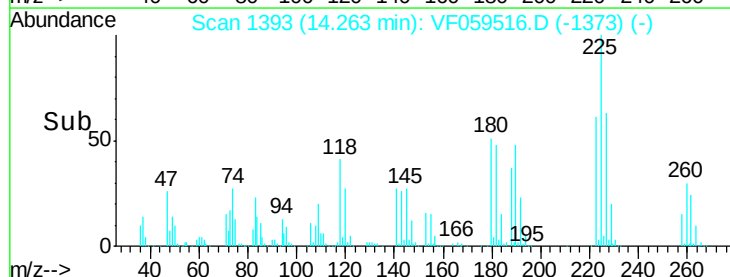
227 63.2 33.2 99.6

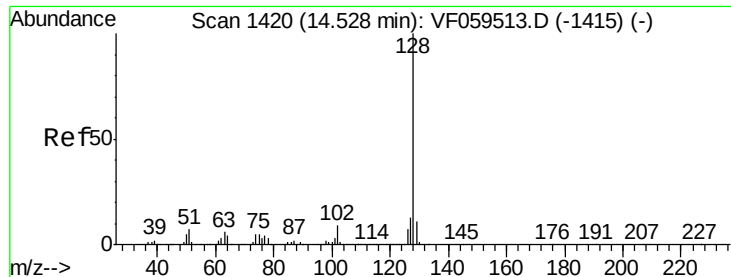


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

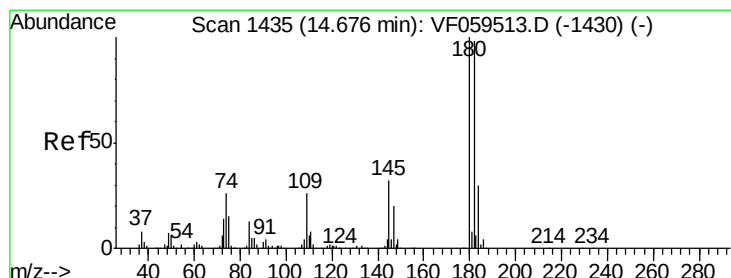
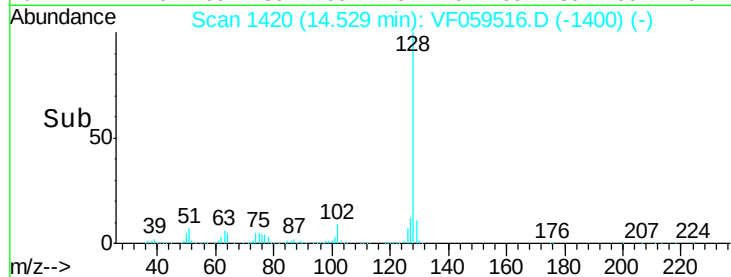
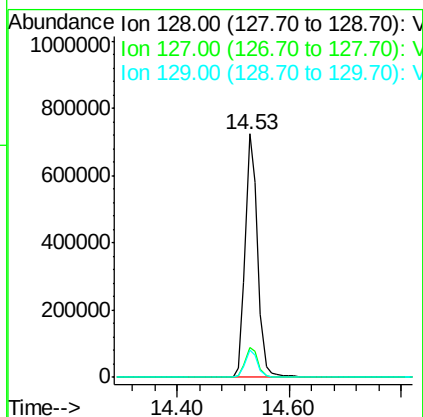
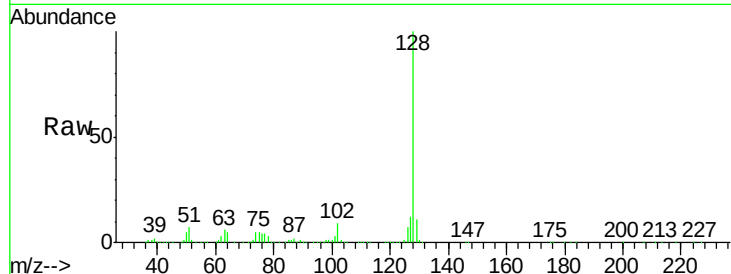




#95
Naphthalene
Concen: 140.028 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 1118336
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 11.4 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 163.285 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion:180 Resp: 534577
Ion Ratio Lower Upper
180 100
182 96.4 48.8 146.4
145 34.5 16.2 48.6

