

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072418\
 Data File : VF059640.D
 Acq On : 24 Jul 2018 18:54
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 25 01:01:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	250290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	354941	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	326314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	196643	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	486409	126.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	252.08%	
35) Dibromofluoromethane	4.28	113	425146	130.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.84%	
50) Toluene-d8	7.70	98	1075955	132.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	264.70%	
62) 4-Bromofluorobenzene	11.50	95	533443	115.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	230.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	384828	124.967	ug/l	97
3) Chloromethane	1.08	50	207561	142.756	ug/l	95
4) Vinyl Chloride	1.15	62	228581	143.009	ug/l	97
5) Bromomethane	1.33	94	169110	124.053	ug/l	98
6) Chloroethane	1.41	64	118934	121.859	ug/l	89
7) Trichlorofluoromethane	1.53	101	341438	79.004	ug/l	99
8) Diethyl Ether	1.69	74	90547	148.110	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.88	101	289323	130.307	ug/l	94
10) Methyl Iodide	1.95	142	480336	131.361	ug/l	93
11) Tert butyl alcohol	2.68	59	87874	567.365	ug/l	94
12) 1,1-Dichloroethene	1.84	96	232408	134.042	ug/l	83
13) Acrolein	2.09	56	46579	612.626	ug/l	84
14) Allyl chloride	2.18	41	411456	131.152	ug/l	92
15) Acrylonitrile	3.06	53	145953	610.196	ug/l	94
16) Acetone	2.33	43	298320	460.046	ug/l #	94
17) Carbon Disulfide	1.83	76	570042	126.484	ug/l	98
18) Methyl Acetate	2.44	43	117478	106.785	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	605446	120.588	ug/l	97
20) Methylene Chloride	2.27	84	197144	100.503	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	233404	129.741	ug/l	97
22) Diisopropyl ether	2.92	45	750632	130.859	ug/l	96
23) Vinyl Acetate	3.32	43	1731156	605.593	ug/l	97
24) 1,1-Dichloroethane	2.99	63	521685	126.257	ug/l	99
25) 2-Butanone	4.49	43	385280	569.144	ug/l	94
26) 2,2-Dichloropropane	3.74	77	406189	118.080	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	283318	137.238	ug/l	95
28) Bromochloromethane	3.87	49	174248	114.748	ug/l	96
29) Tetrahydrofuran	4.24	42	153205	555.489	ug/l	96
30) Chloroform	4.02	83	712801	124.972	ug/l	99
31) Cyclohexane	3.85	56	311472	134.469	ug/l	99
32) 1,1,1-Trichloroethane	4.26	97	597575	117.125	ug/l	99
36) 1,1-Dichloropropene	4.44	75	480195	134.533	ug/l	98
37) Ethyl Acetate	4.28	43	170457	121.357	ug/l #	60
38) Carbon Tetrachloride	4.16	117	649289	120.177	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	381808	132.618	ug/l	94
40) Benzene	4.80	78	863140	132.276	ug/l	99
41) Methacrylonitrile	4.91	41	86425	124.571	ug/l	94
42) 1,2-Dichloroethane	5.10	62	509046	117.913	ug/l	98
43) Isopropyl Acetate	7.10	43	226737	129.629	ug/l	99
44) Trichloroethene	5.66	130	311354	125.052	ug/l	88
45) 1,2-Dichloropropane	6.39	63	221998	127.236	ug/l	98
46) Dibromomethane	6.24	93	183472	129.353	ug/l	94
47) Bromodichloromethane	6.53	83	541694	124.716	ug/l	97
48) Methyl methacrylate	6.86	41	171275	128.608	ug/l	96
49) 1,4-Dioxane	6.85	88	26080	2785.844	ug/l #	84
51) 4-Methyl-2-Pentanone	8.40	43	741642	566.785	ug/l	98
52) Toluene	7.77	92	618879	125.402	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	418547	115.132	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	481082	132.841	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	203600	124.366	ug/l	96
56) Ethyl methacrylate	8.75	69	235322	129.664	ug/l	97
57) 1,3-Dichloropropane	8.99	76	348843	121.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	128391	596.012	ug/l	100
59) 2-Hexanone	9.62	43	590176	567.723	ug/l	98
60) Dibromochloromethane	8.85	129	375162	127.620	ug/l	100
61) 1,2-Dibromoethane	9.13	107	249248	132.280	ug/l	97
64) Tetrachloroethene	8.29	164	333757	136.604	ug/l	97
65) Chlorobenzene	9.93	112	800816	134.607	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	354067	130.626	ug/l	98
67) Ethyl Benzene	10.03	91	1409428	130.810	ug/l	97
68) m/p-Xylenes	10.26	106	954458	255.327	ug/l	91
69) o-Xylene	10.82	106	548882	136.158	ug/l	92
70) Styrene	10.89	104	778678	129.664	ug/l	96
71) Bromoform	10.88	173	216954	130.387	ug/l #	91
73) Isopropylbenzene	11.22	105	1624515	130.312	ug/l	100
74) N-amyl acetate	11.45	43	385702	140.855	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	260423	126.372	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	211923	117.418	ug/l	95
77) Bromobenzene	11.59	156	411726	129.485	ug/l	95
78) n-propylbenzene	11.68	91	1828867	122.977	ug/l	96
79) 2-Chlorotoluene	11.81	91	1136591	127.095	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	1396249	124.800	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.96	75	138993	186.031	ug/l	92
82) 4-Chlorotoluene	11.98	91	1234046	124.515	ug/l	98
83) tert-Butylbenzene	12.21	119	1352613	122.410	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1434195	126.561	ug/l	95
85) sec-Butylbenzene	12.38	105	1860496	129.689	ug/l	99
86) p-Isopropyltoluene	12.54	119	1589960	126.610	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	720017	116.591	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	753113	130.815	ug/l	98
89) n-Butylbenzene	12.91	91	1513299	125.440	ug/l	91
90) Hexachloroethane	12.99	117	408446	130.285	ug/l #	1
91) 1,2-Dichlorobenzene	13.02	146	717243	123.444	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	67471	134.577	ug/l	89

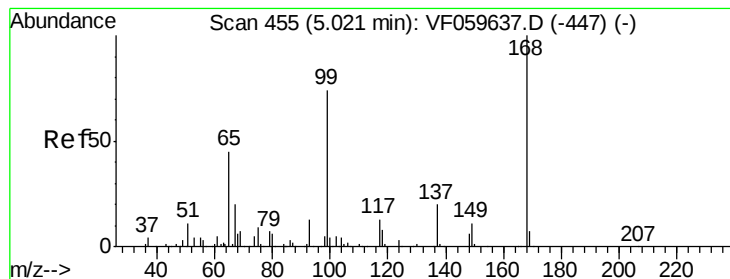
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF072418\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	541648	124.753	ug/l	98
94) Hexachlorobutadiene	14.25	225	410691	135.516	ug/l	94
95) Naphthalene	14.52	128	968953	138.442	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	524305	133.192	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

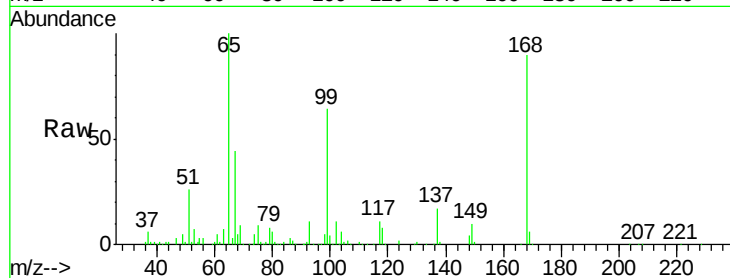
VSTDIC150

Tgt Ion:168 Resp: 250290

Ion Ratio Lower Upper

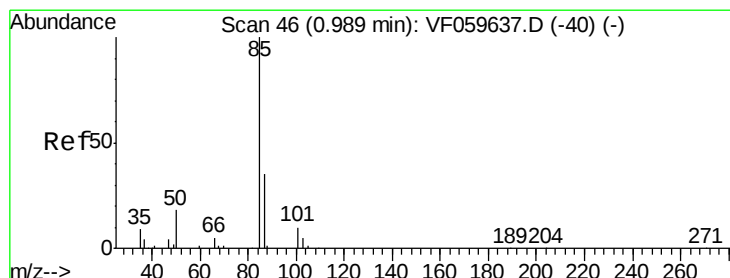
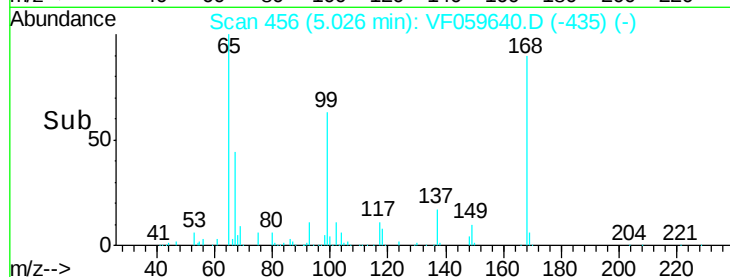
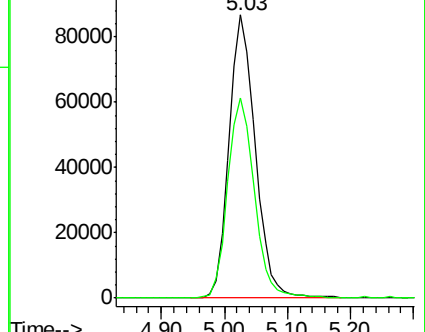
168 100

99 70.7 59.5 89.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 124.967 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059640.D

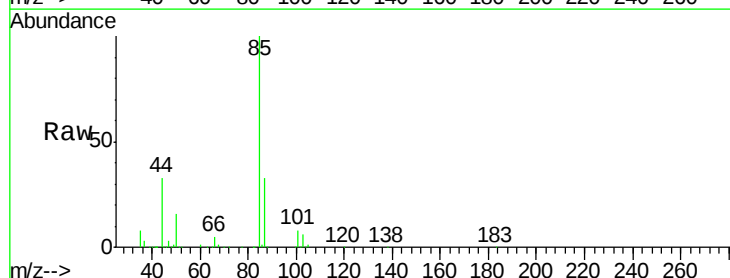
Acq: 24 Jul 2018 18:54

Tgt Ion: 85 Resp: 384828

Ion Ratio Lower Upper

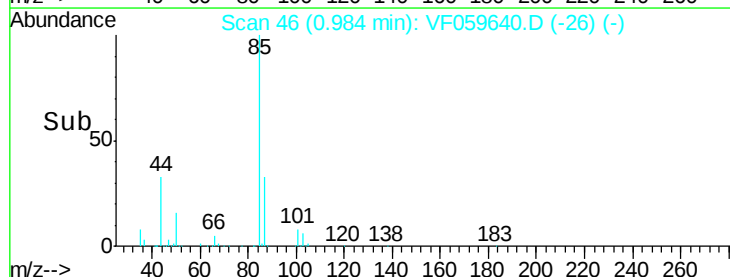
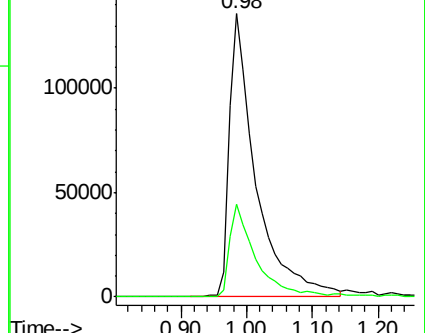
85 100

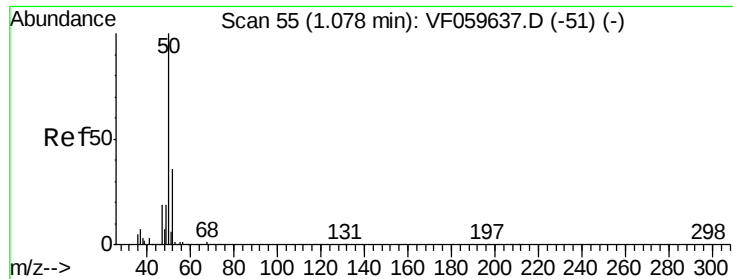
87 32.9 17.4 52.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

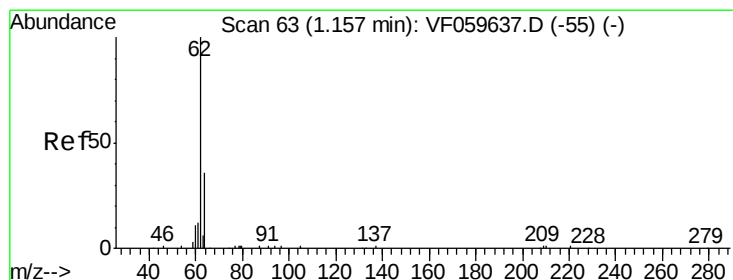
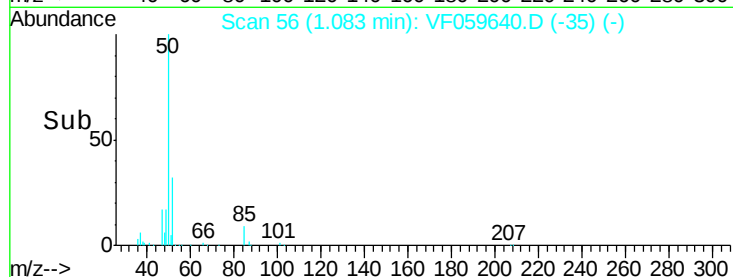
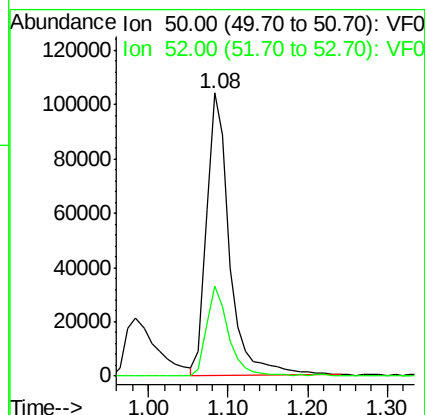
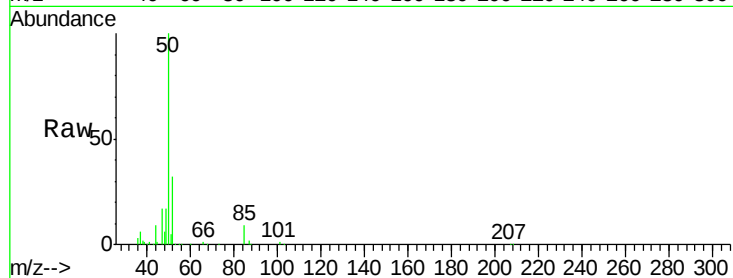




#3
Chloromethane
Concen: 142.756 ug/l
RT: 1.08 min Scan# 56
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

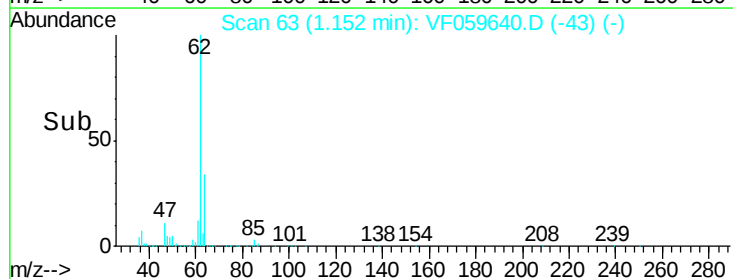
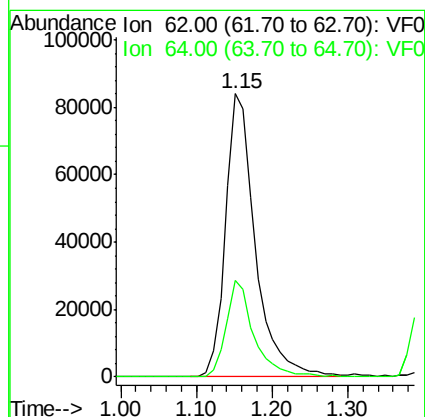
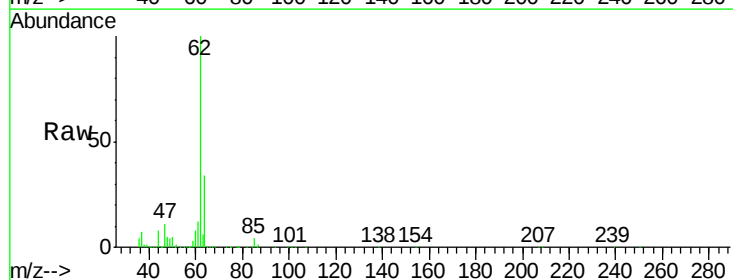
Instrument :
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VSTDIC150

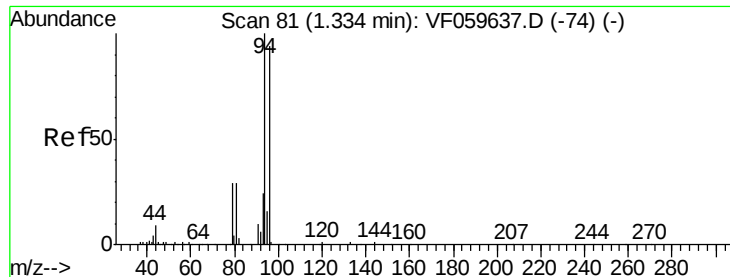
Tgt Ion: 50 Resp: 207561
Ion Ratio Lower Upper
50 100
52 32.0 28.0 42.0



#4
Vinyl Chloride
Concen: 143.009 ug/l
RT: 1.15 min Scan# 63
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion: 62 Resp: 228581
Ion Ratio Lower Upper
62 100
64 34.0 28.6 43.0





#5

Bromomethane

Concen: 124.053 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

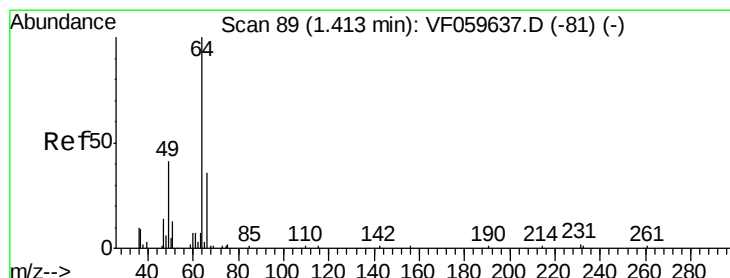
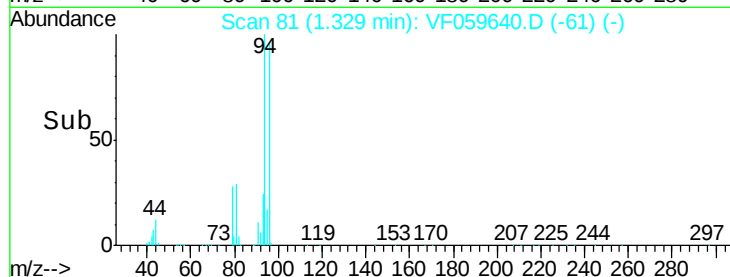
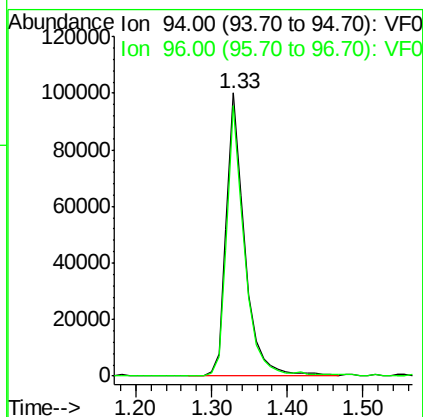
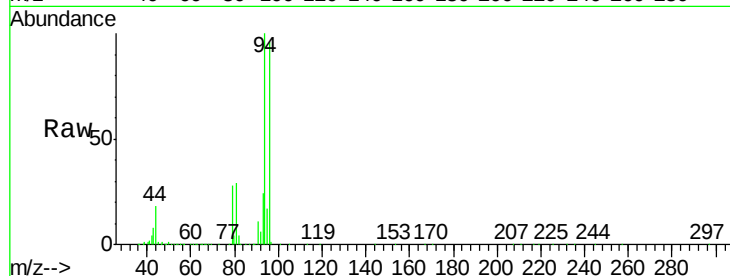
VSTDIC150

Tgt Ion: 94 Resp: 169110

Ion Ratio Lower Upper

94 100

96 95.5 74.6 112.0



#6

Chloroethane

Concen: 121.859 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059640.D

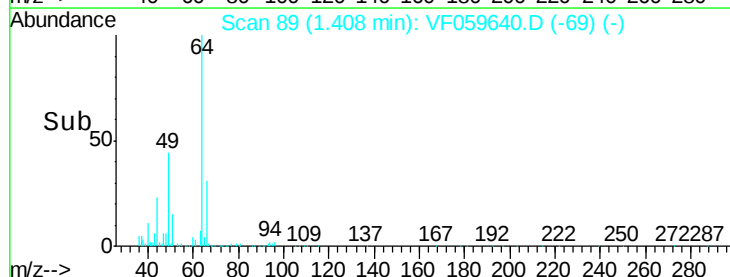
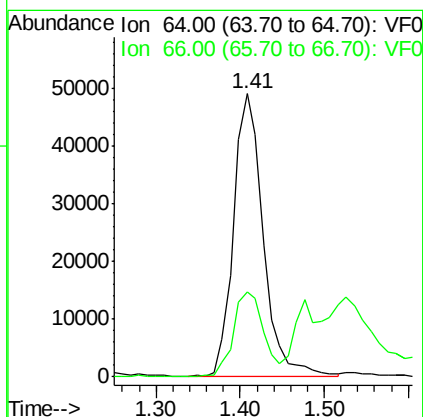
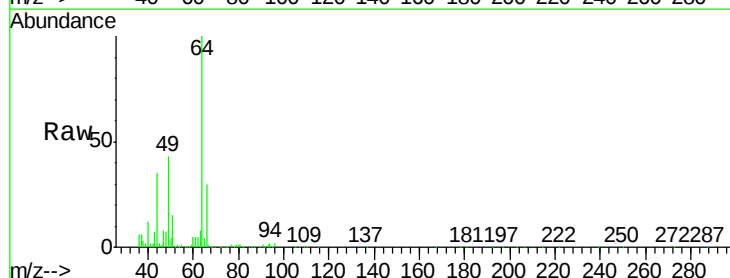
Acq: 24 Jul 2018 18:54

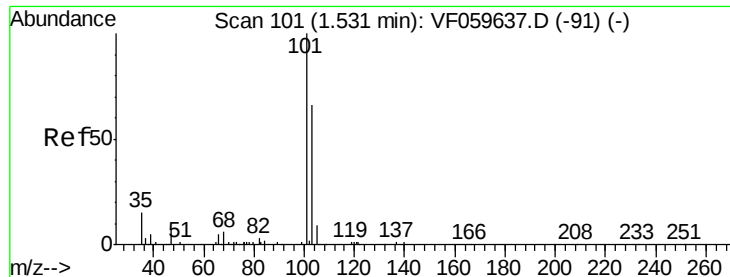
Tgt Ion: 64 Resp: 118934

Ion Ratio Lower Upper

64 100

66 29.9 29.0 43.6



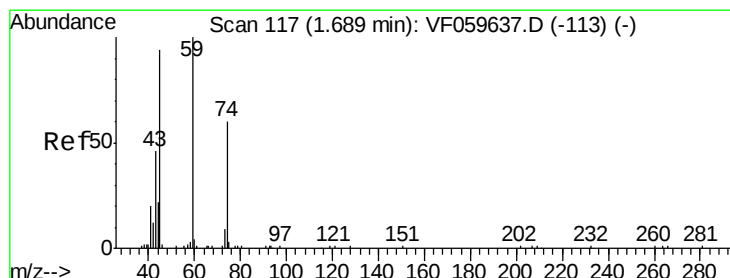
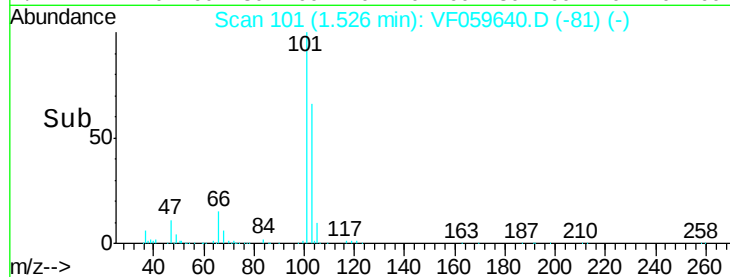
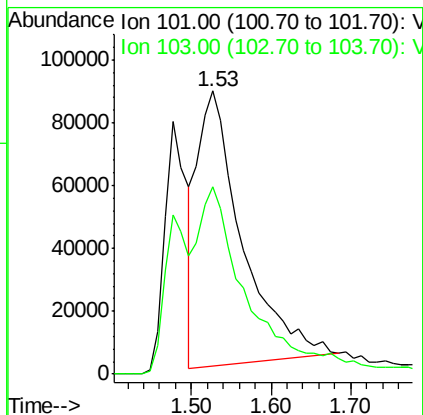
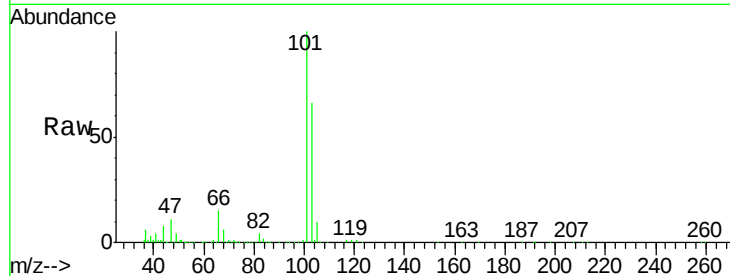


#7

Trichlorofluoromethane
Concen: 79.004 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
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VSTDIC150

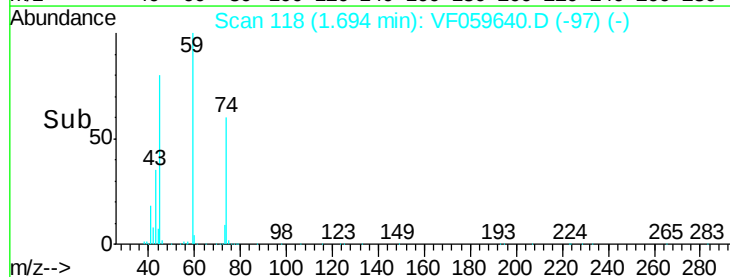
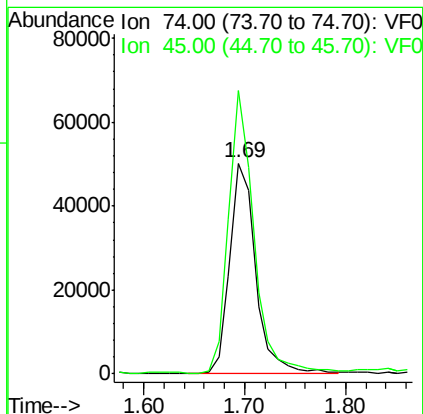
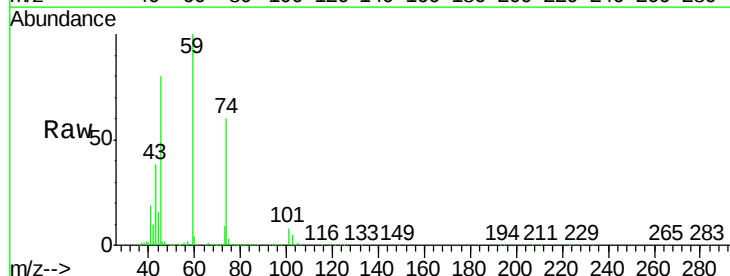
Tgt Ion:101 Resp: 341438
Ion Ratio Lower Upper
101 100
103 66.1 52.5 78.7

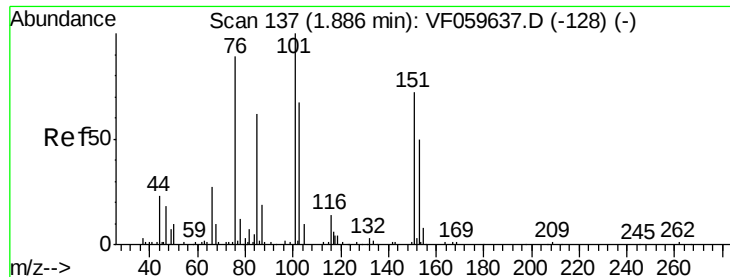


#8

Diethyl Ether
Concen: 148.110 ug/l
RT: 1.69 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion: 74 Resp: 90547
Ion Ratio Lower Upper
74 100
45 134.3 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 130.307 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

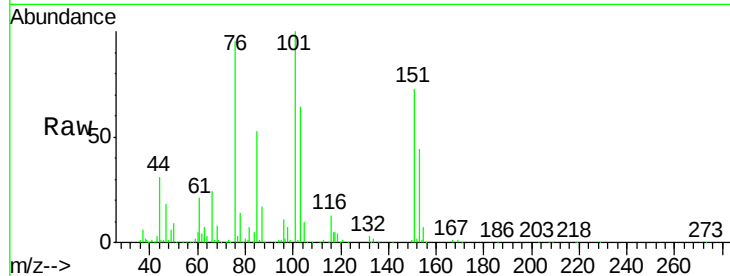
Tgt Ion:101 Resp: 289323

Ion Ratio Lower Upper

101 100

85 53.1 49.0 73.4

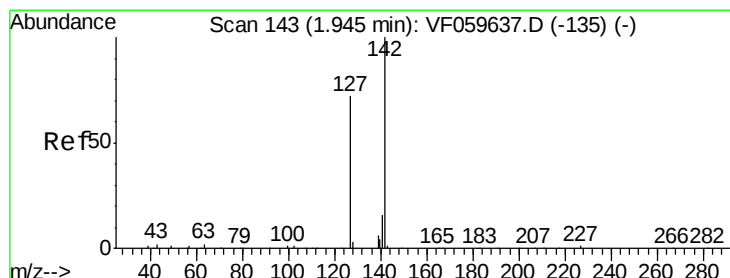
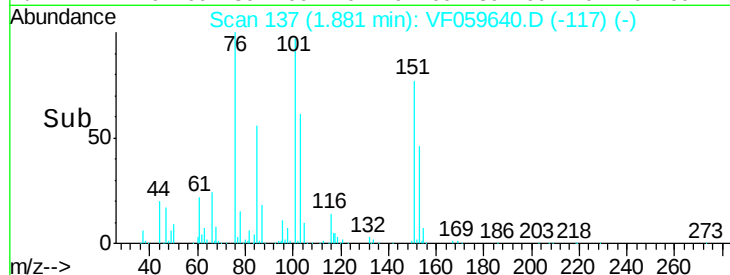
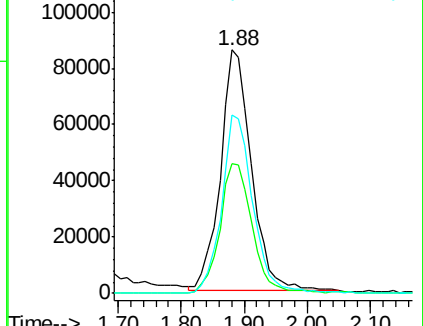
151 73.0 56.8 85.2



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: 131.361 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

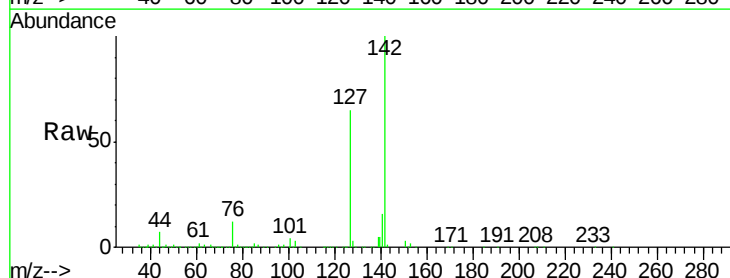
Tgt Ion:142 Resp: 480336

Ion Ratio Lower Upper

142 100

127 65.3 57.5 86.3

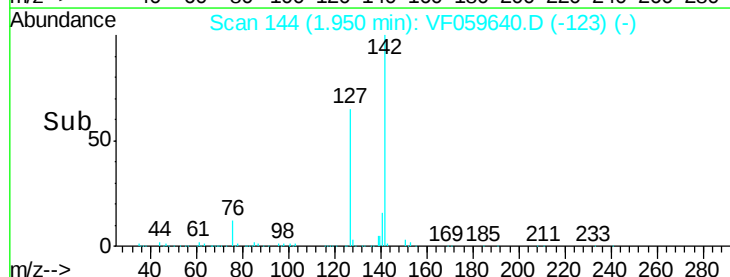
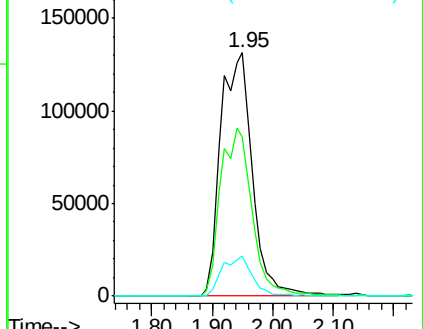
141 16.3 13.2 19.8

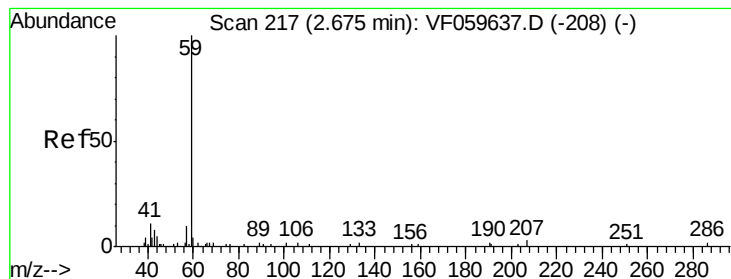


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



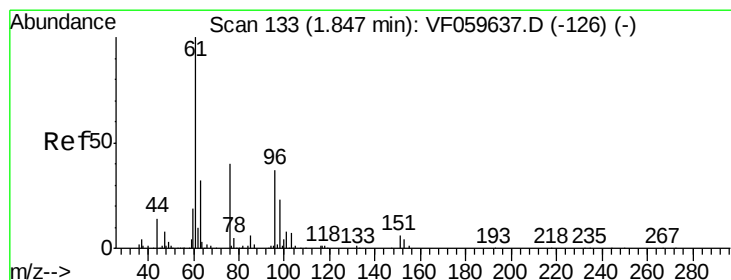
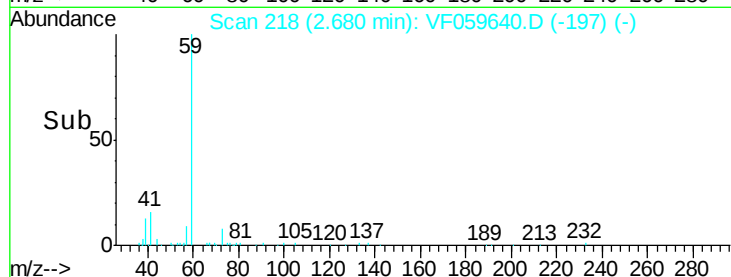
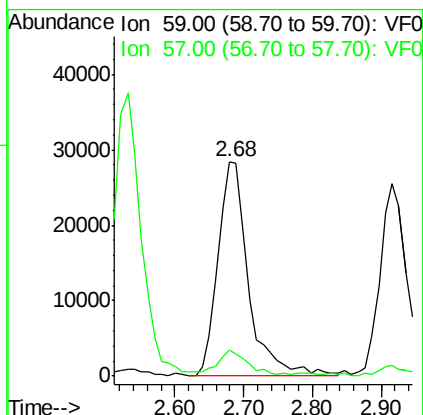
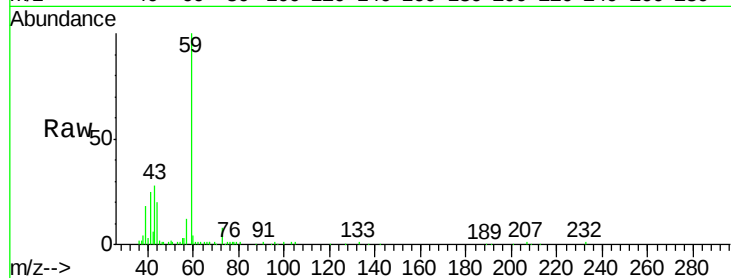


#11

Tert butyl alcohol
Concen: 567.365 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

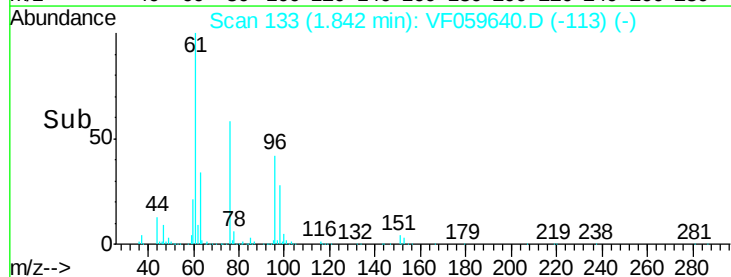
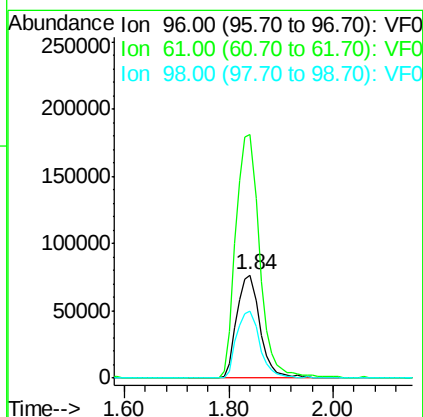
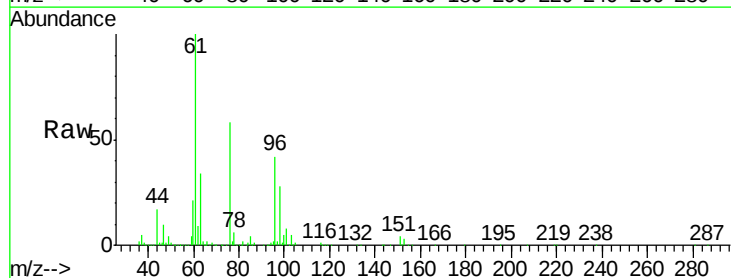
Tgt Ion: 59 Resp: 87874
Ion Ratio Lower Upper
59 100
57 12.0 11.4 17.2

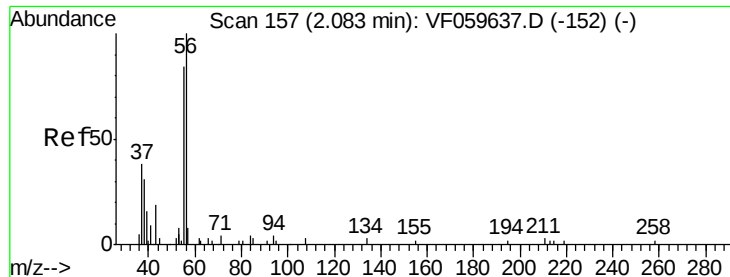


#12

1,1-Dichloroethene
Concen: 134.042 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion: 96 Resp: 232408
Ion Ratio Lower Upper
96 100
61 236.3 218.2 327.4
98 65.2 50.6 76.0





#13

Acrolein

Concen: 612.626 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

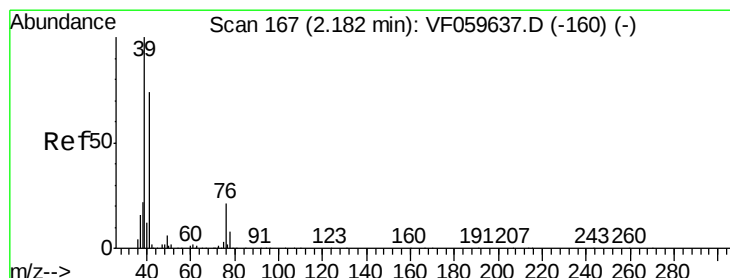
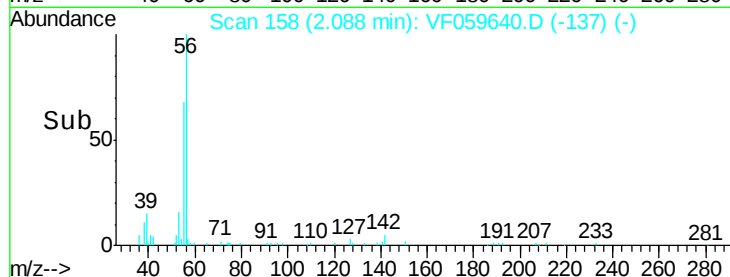
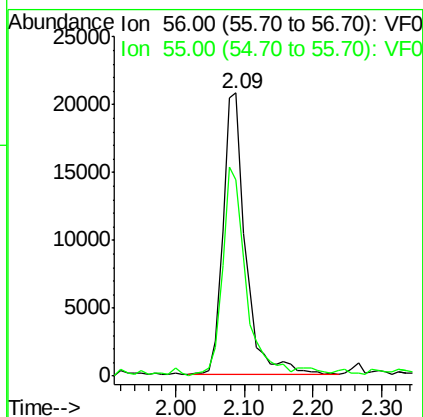
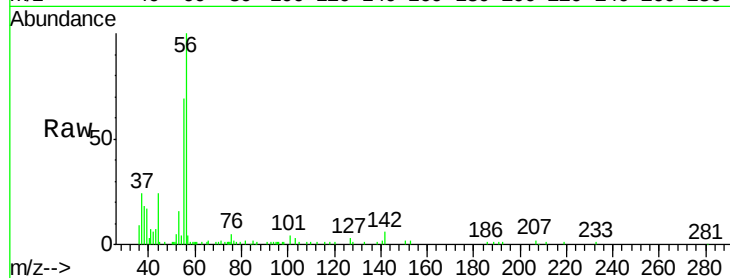
VSTDIC150

Tgt Ion: 56 Resp: 46579

Ion Ratio Lower Upper

56 100

55 69.4 67.2 100.8



#14

Allyl chloride

Concen: 131.152 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

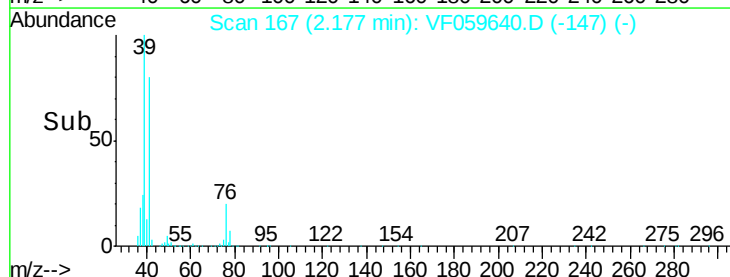
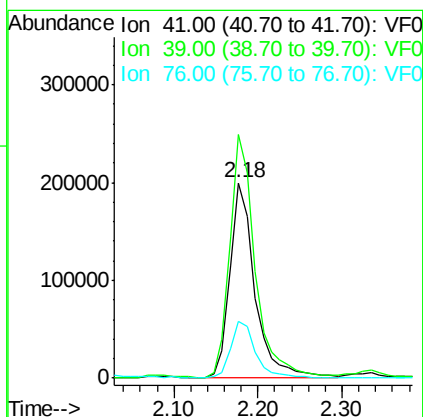
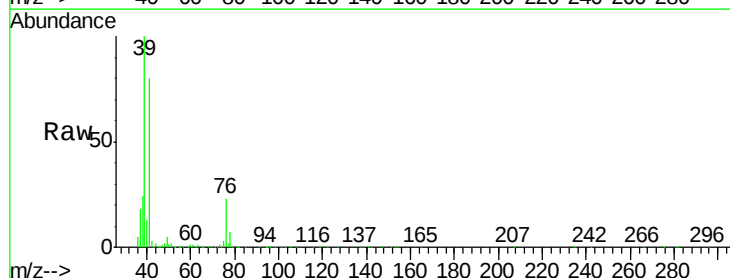
Tgt Ion: 41 Resp: 411456

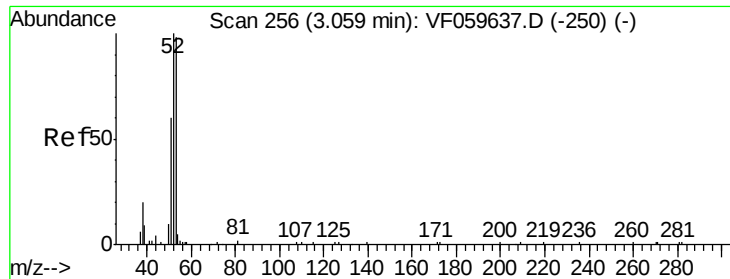
Ion Ratio Lower Upper

41 100

39 124.6 108.6 162.8

76 28.7 23.0 34.6





#15

Acrylonitrile

Concen: 610.196 ug/l

RT: 3.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

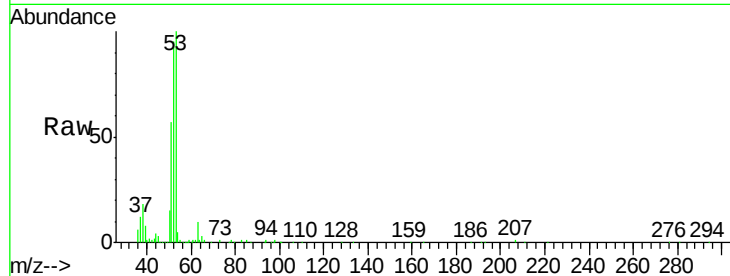
Tgt Ion: 53 Resp: 145953

Ion Ratio Lower Upper

53 100

52 94.5 80.9 121.3

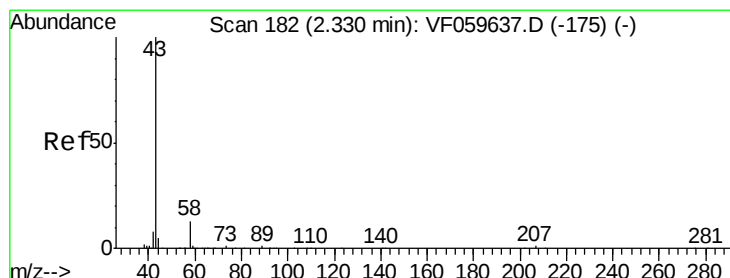
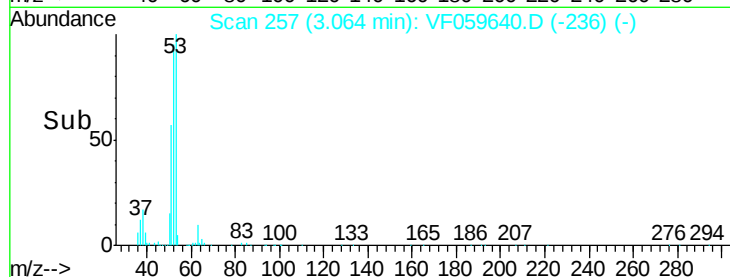
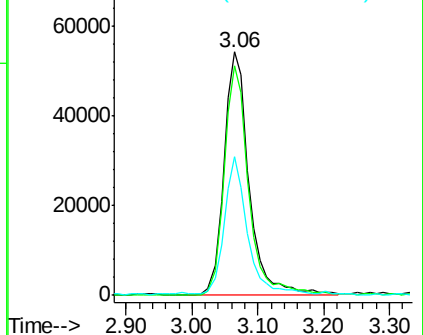
51 57.0 49.4 74.2



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: 460.046 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059640.D

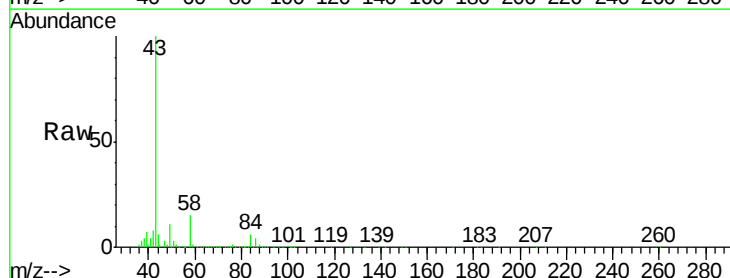
Acq: 24 Jul 2018 18:54

Tgt Ion: 43 Resp: 298320

Ion Ratio Lower Upper

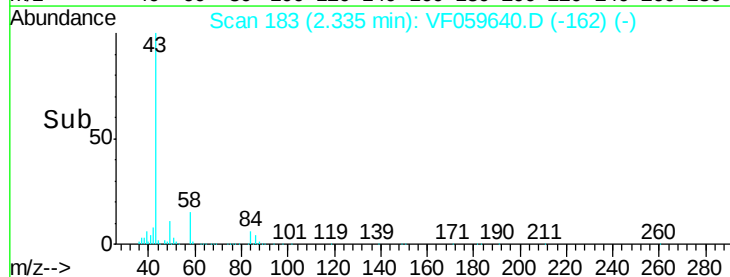
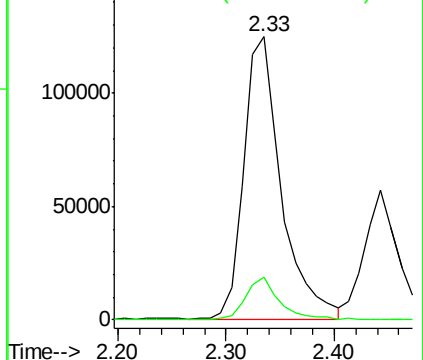
43 100

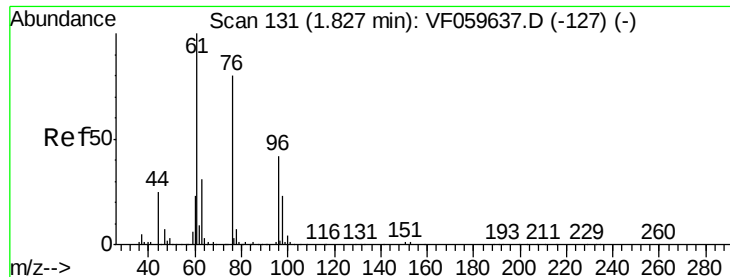
58 15.2 10.2 15.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 126.484 ug/l

RT: 1.83 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

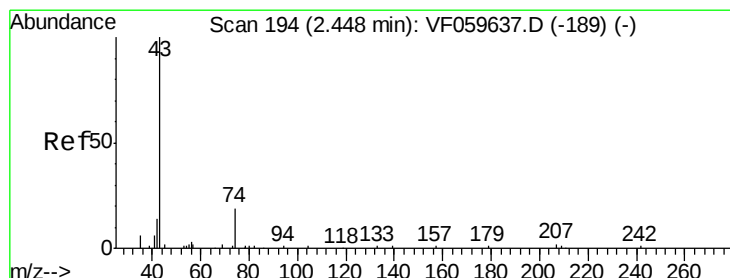
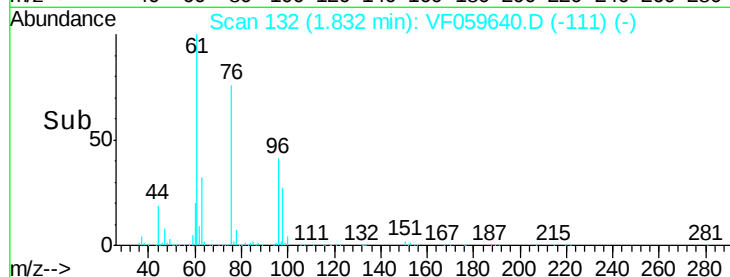
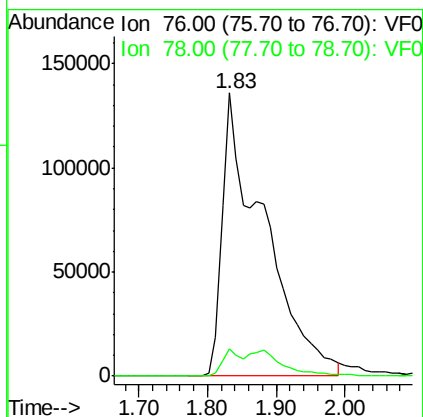
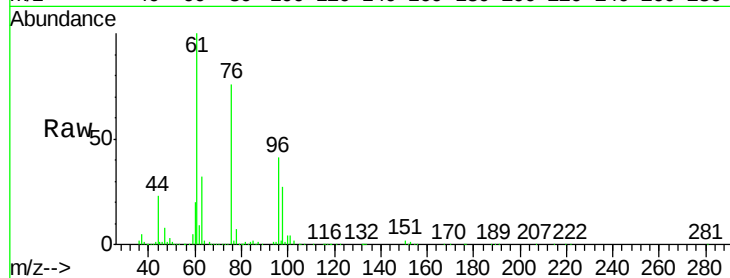
VSTDIC150

Tgt Ion: 76 Resp: 570042

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.6



#18

Methyl Acetate

Concen: 106.785 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059640.D

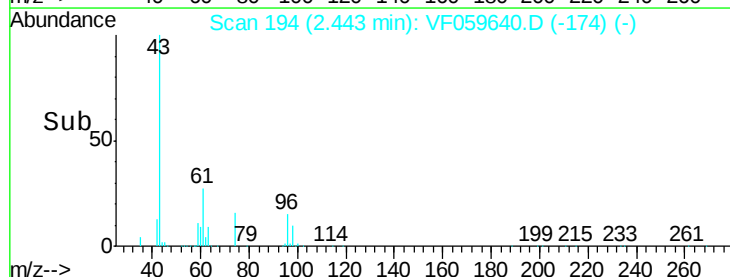
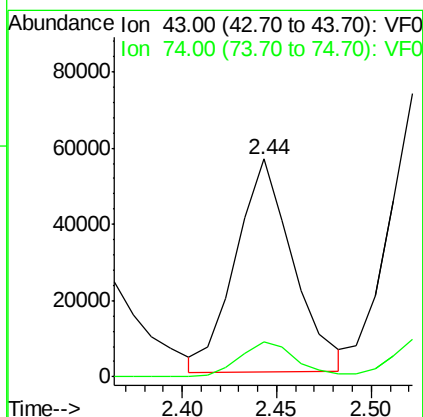
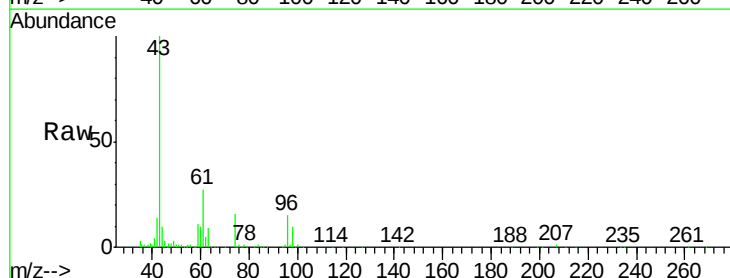
Acq: 24 Jul 2018 18:54

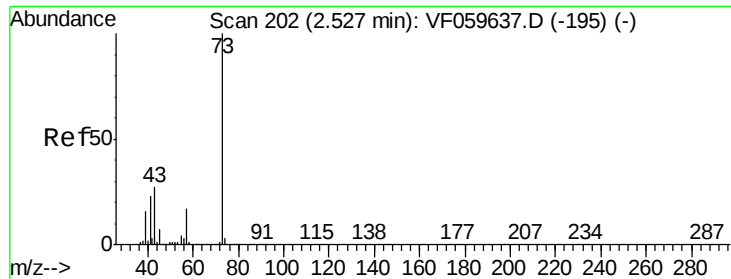
Tgt Ion: 43 Resp: 117478

Ion Ratio Lower Upper

43 100

74 15.9 13.0 19.6



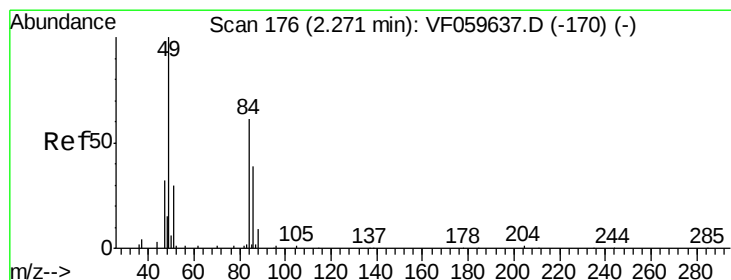
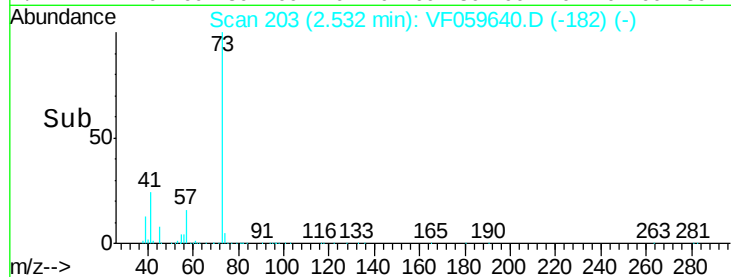
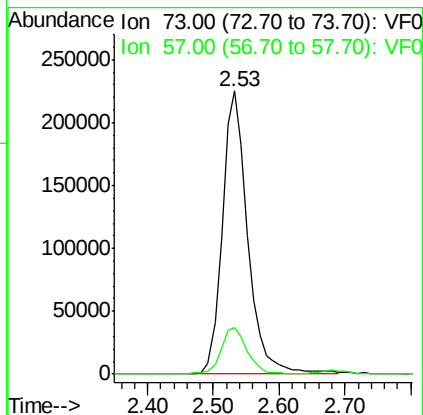
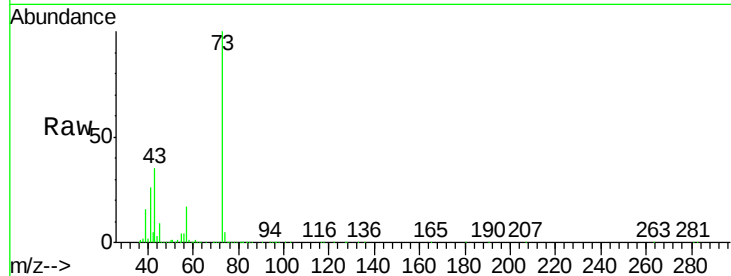


#19

Methyl tert-butyl Ether
 Concen: 120.588 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

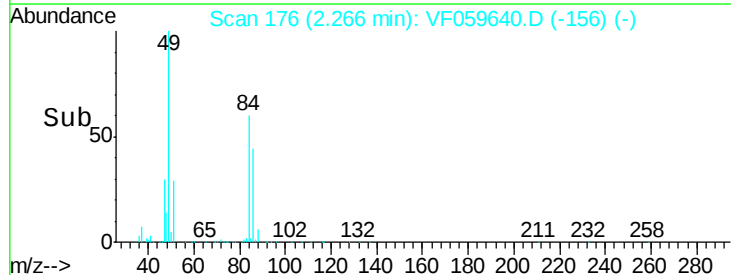
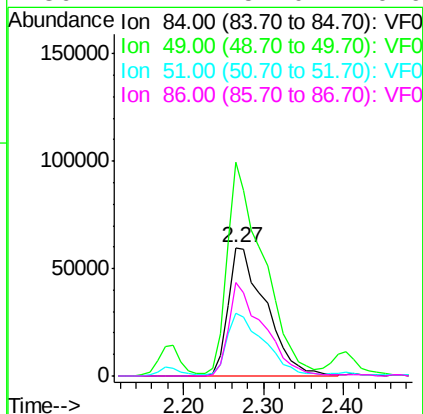
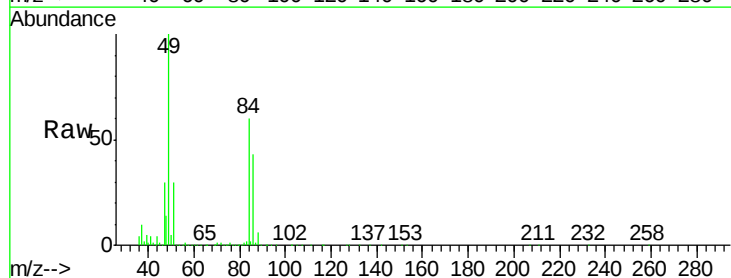
Tgt Ion: 73 Resp: 605446
 Ion Ratio Lower Upper
 73 100
 57 16.7 14.2 21.4

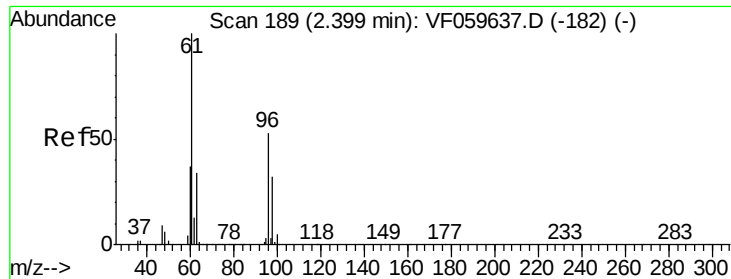


#20

Methylene Chloride
 Concen: 100.503 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.01 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion: 84 Resp: 197144
 Ion Ratio Lower Upper
 84 100
 49 166.2 133.8 200.8
 51 49.1 41.1 61.7
 86 72.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 129.741 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

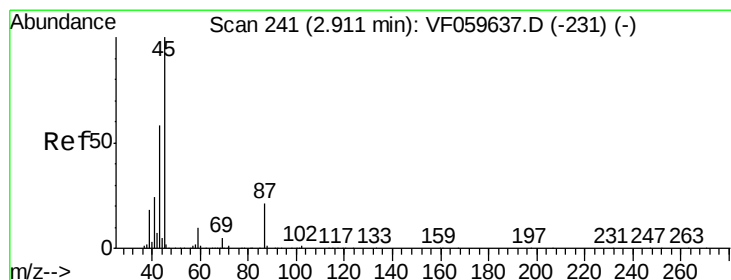
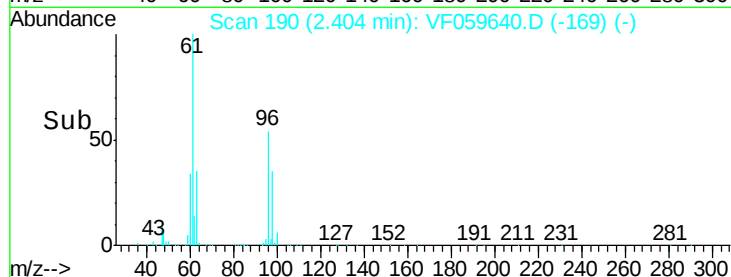
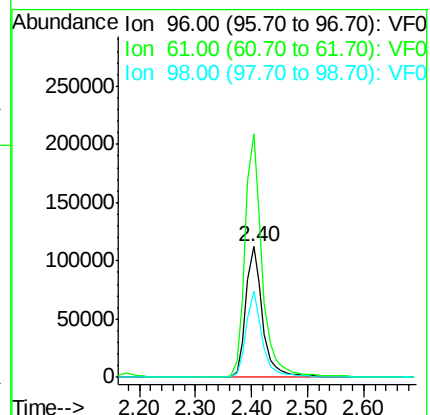
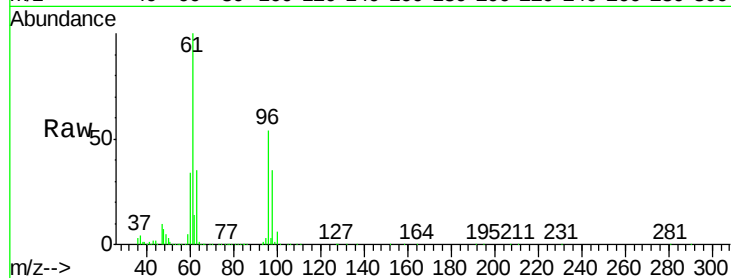
Tgt Ion: 96 Resp: 233404

Ion Ratio Lower Upper

96 100

61 186.8 151.4 227.2

98 65.7 49.0 73.6



#22

Diisopropyl ether

Concen: 130.859 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion: 45 Resp: 750632

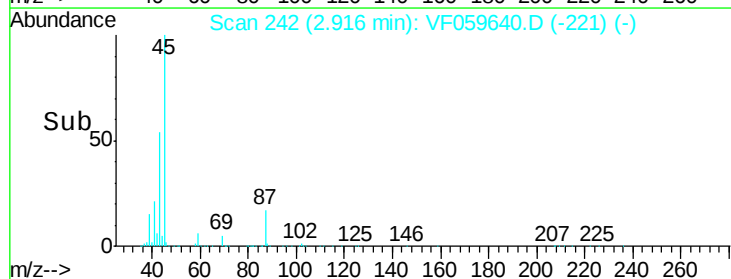
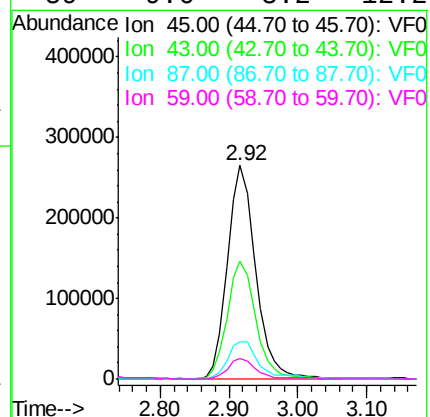
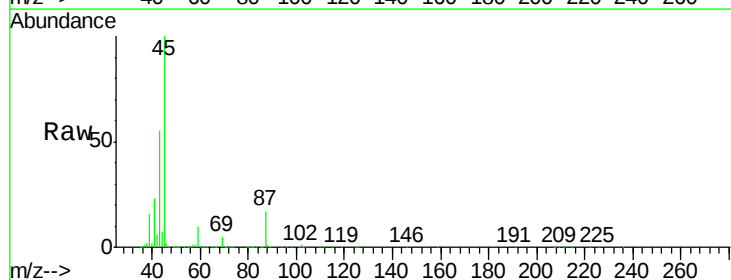
Ion Ratio Lower Upper

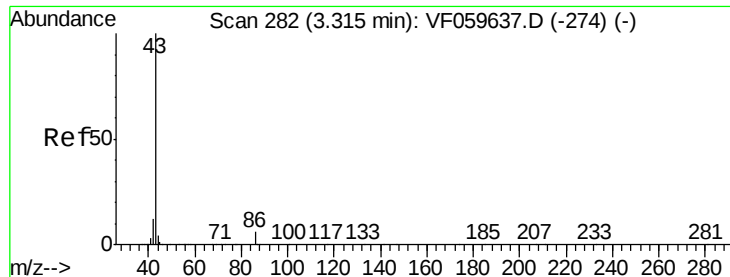
45 100

43 55.4 46.5 69.7

87 17.3 16.5 24.7

59 9.6 8.2 12.2





#23

Vinyl Acetate

Concen: 605.593 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

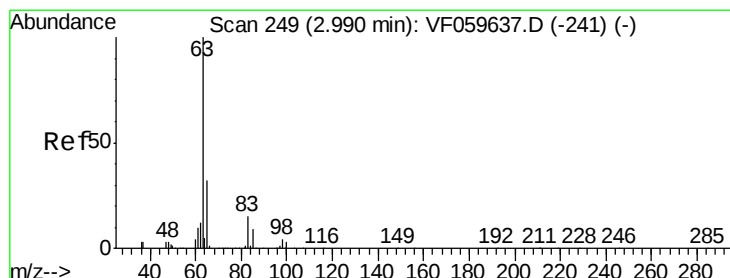
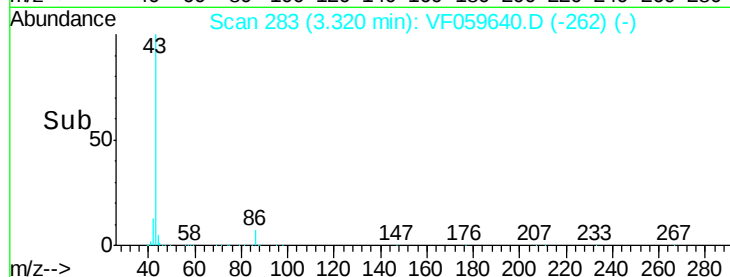
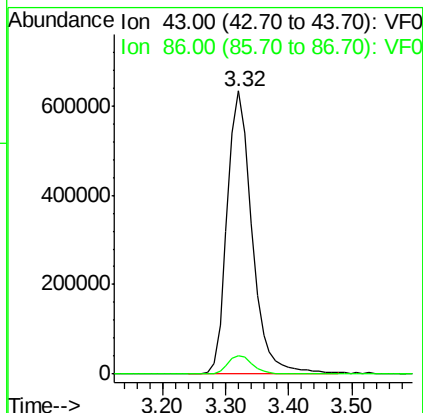
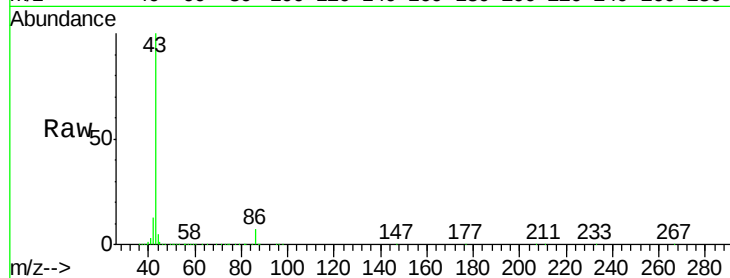
VSTDIC150

Tgt Ion: 43 Resp: 1731156

Ion Ratio Lower Upper

43 100

86 6.5 4.5 6.7



#24

1,1-Dichloroethane

Concen: 126.257 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

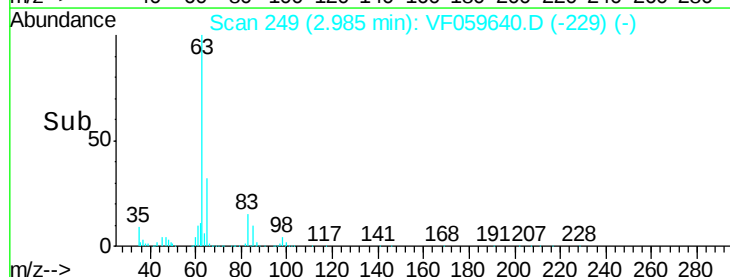
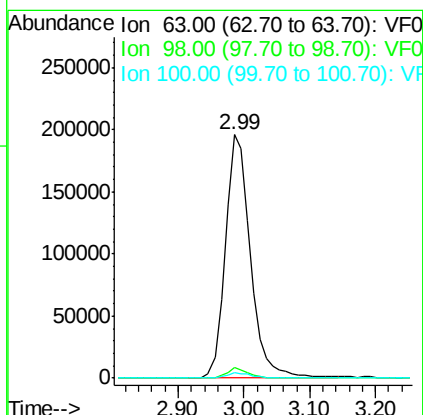
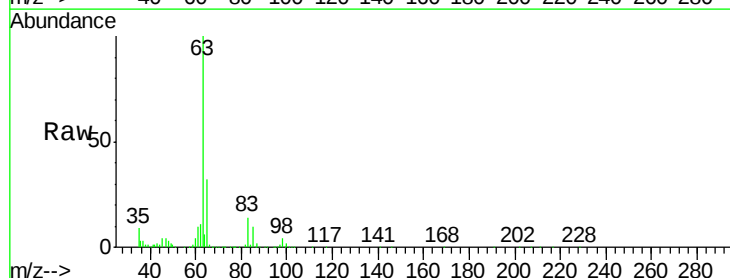
Tgt Ion: 63 Resp: 521685

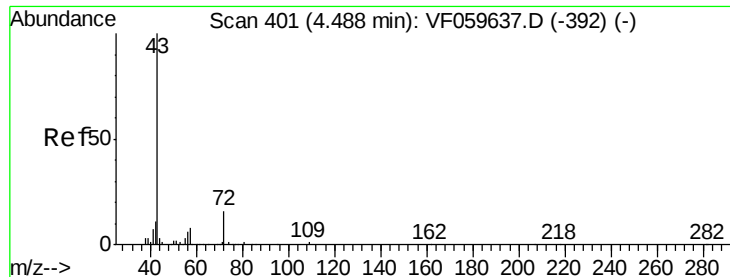
Ion Ratio Lower Upper

63 100

98 4.2 1.8 5.5

100 2.2 1.3 3.9





#25

2-Butanone

Concen: 569.144 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

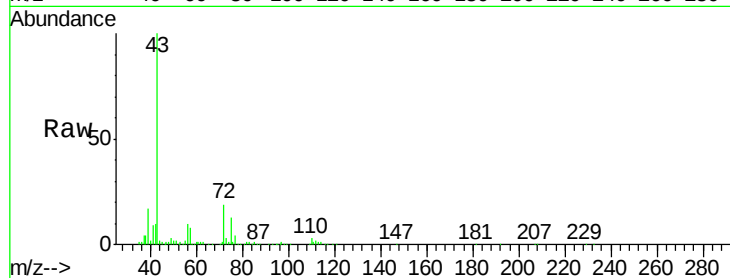
VSTDIC150

Tgt Ion: 43 Resp: 385280

Ion Ratio Lower Upper

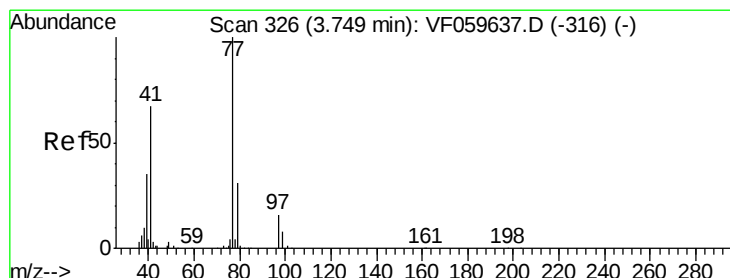
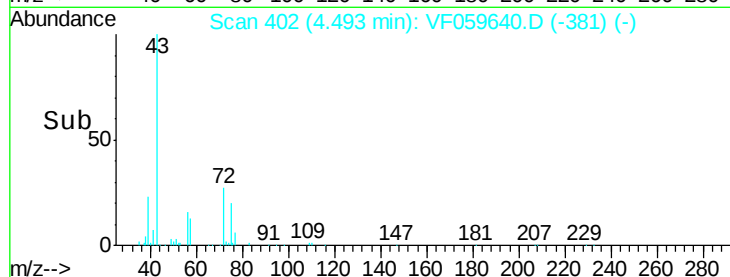
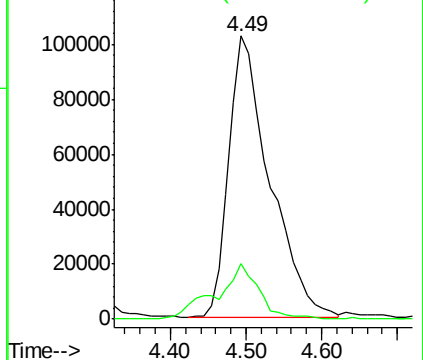
43 100

72 19.4 13.5 20.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 118.080 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059640.D

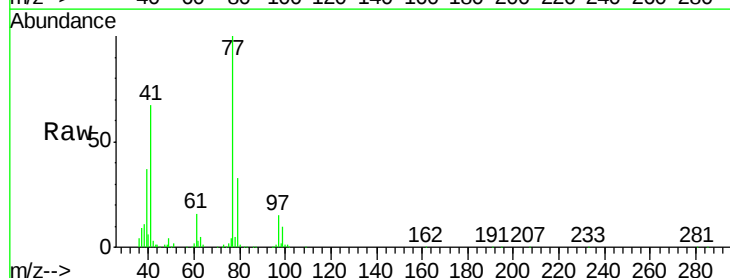
Acq: 24 Jul 2018 18:54

Tgt Ion: 77 Resp: 406189

Ion Ratio Lower Upper

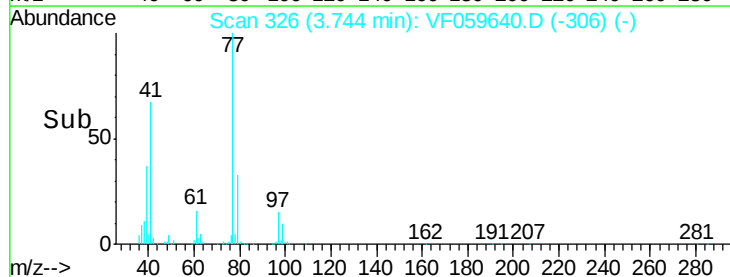
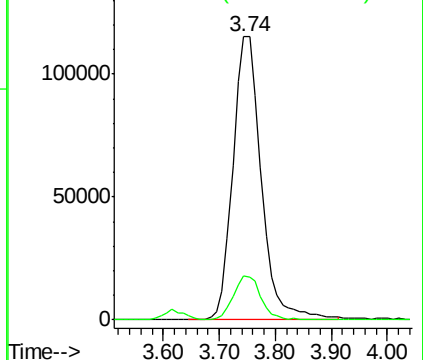
77 100

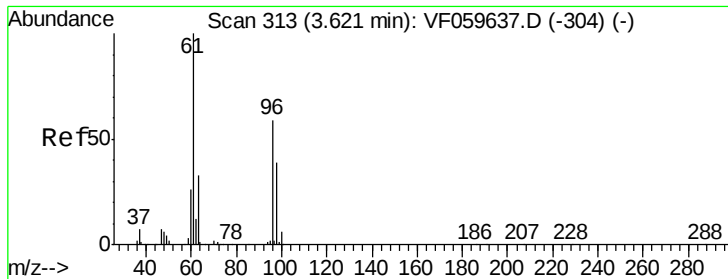
97 15.4 7.8 23.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



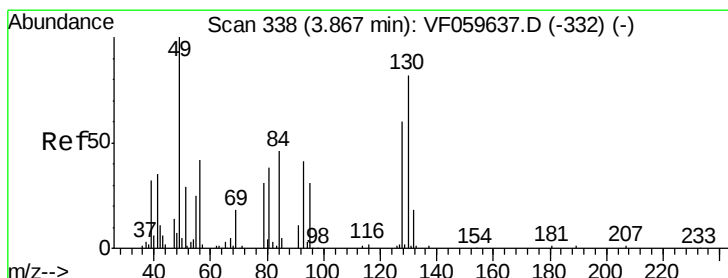
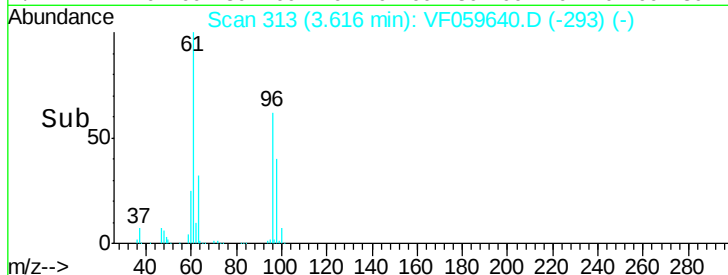
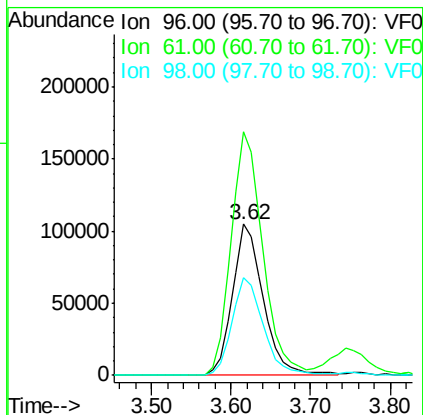
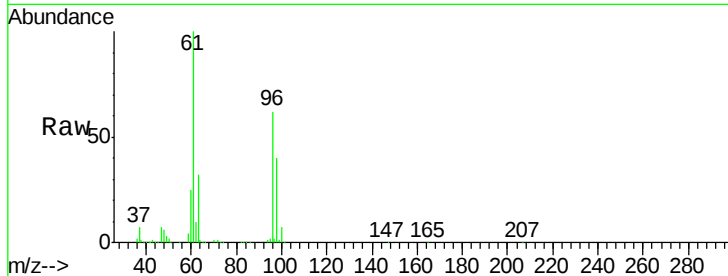


#27

cis-1,2-Dichloroethene
Concen: 137.238 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

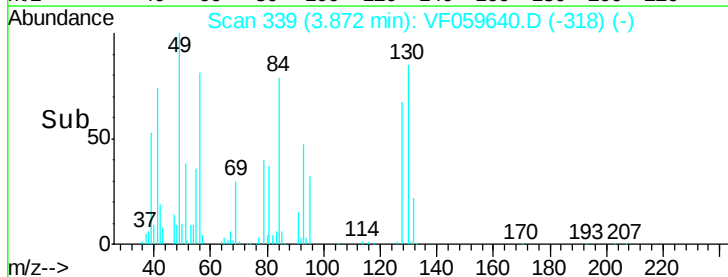
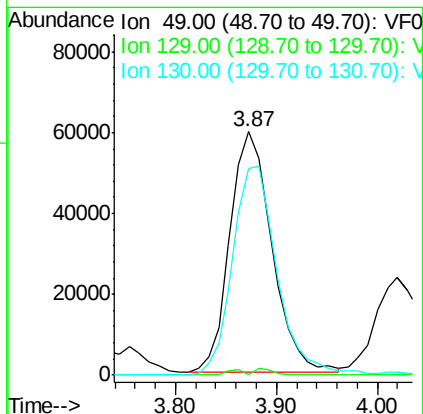
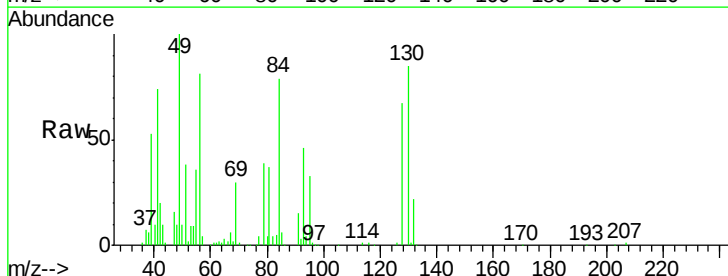
Tgt Ion: 96 Resp: 283318
Ion Ratio Lower Upper
96 100
61 161.1 0.0 337.4
98 64.5 0.0 132.8

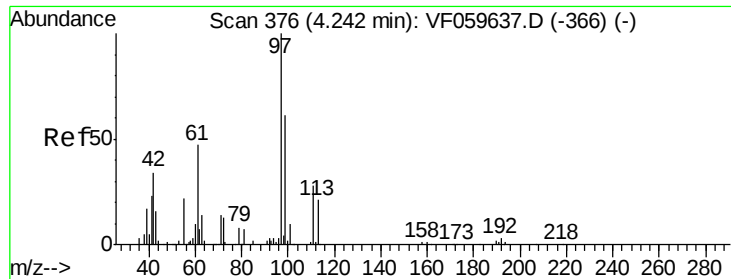


#28

Bromochloromethane
Concen: 114.748 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion: 49 Resp: 174248
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 84.9 65.0 97.4

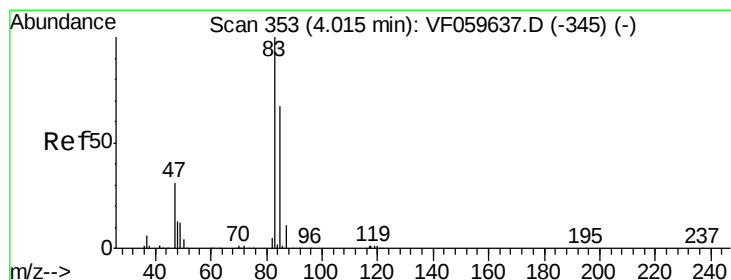
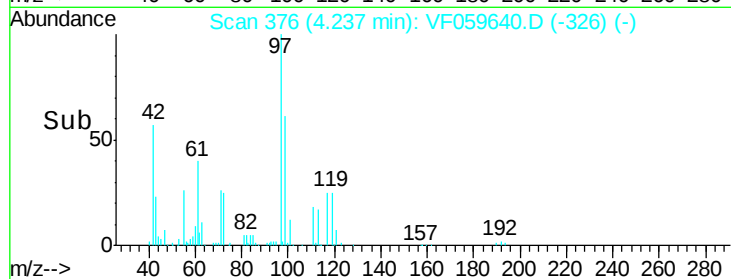
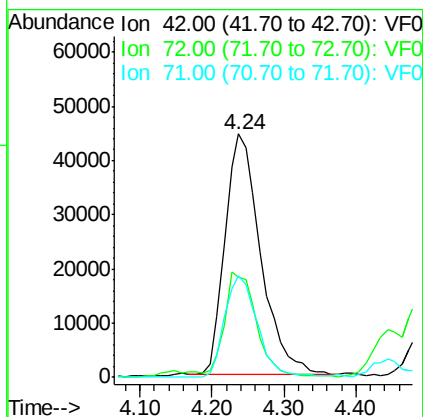
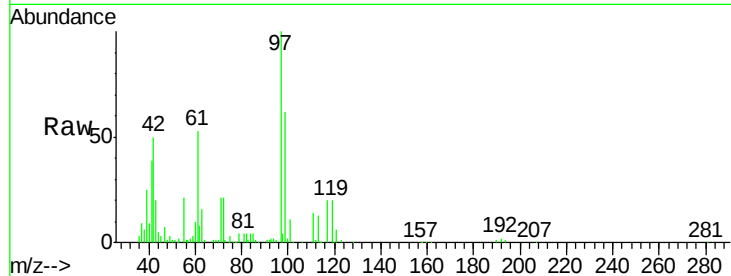




#29
Tetrahydrofuran
Concen: 555.489 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

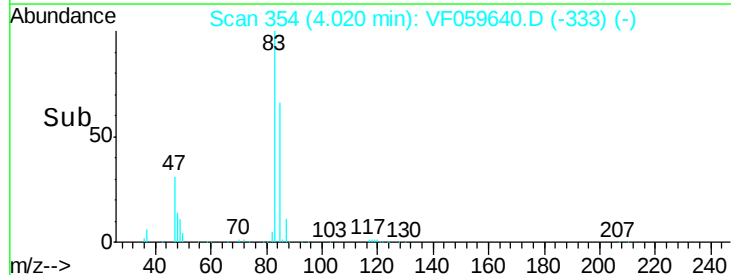
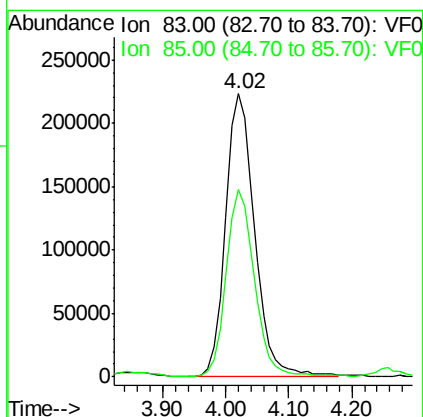
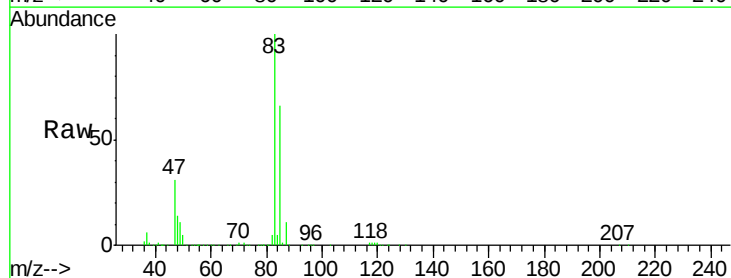
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

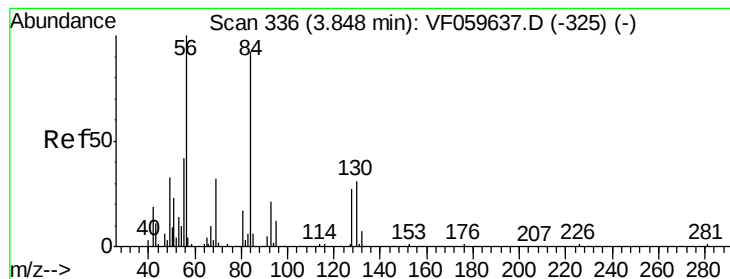
Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.2	30.0	45.0
71	39.1	28.6	42.8



#30
Chloroform
Concen: 124.972 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.8	80.8





#31

Cyclohexane

Concen: 134.469 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

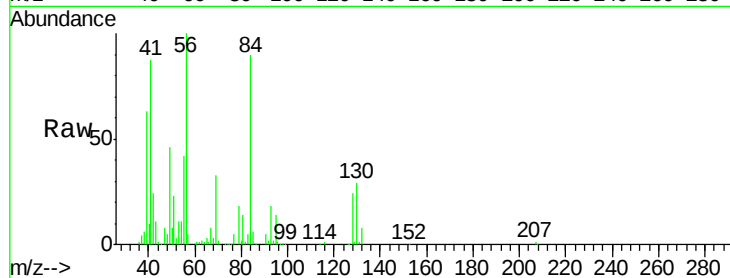
Tgt Ion: 56 Resp: 311472

Ion Ratio Lower Upper

56 100

69 33.3 26.0 39.0

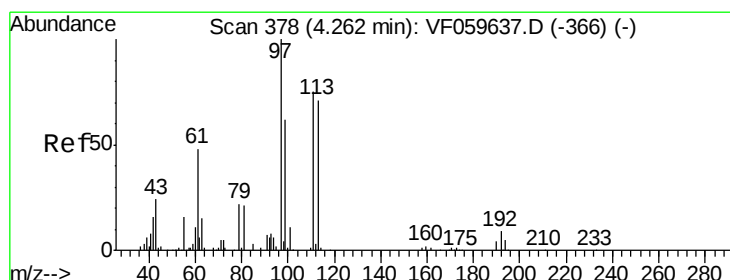
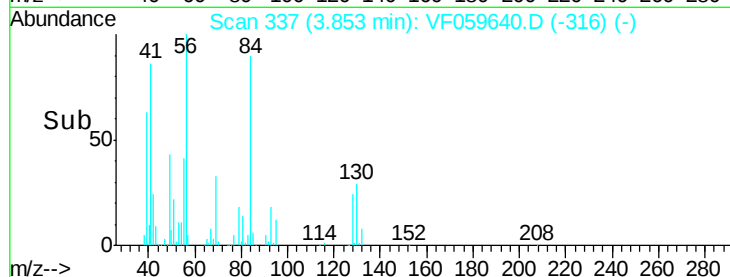
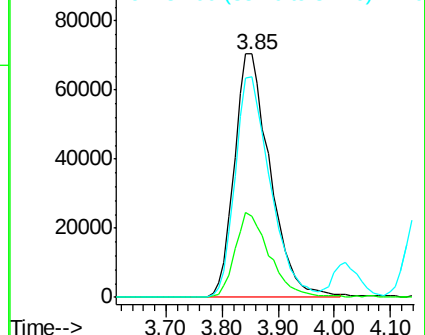
84 90.5 73.5 110.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 117.125 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

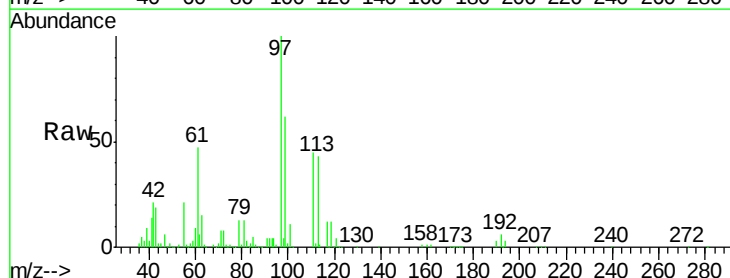
Tgt Ion: 97 Resp: 597575

Ion Ratio Lower Upper

97 100

99 62.4 49.8 74.6

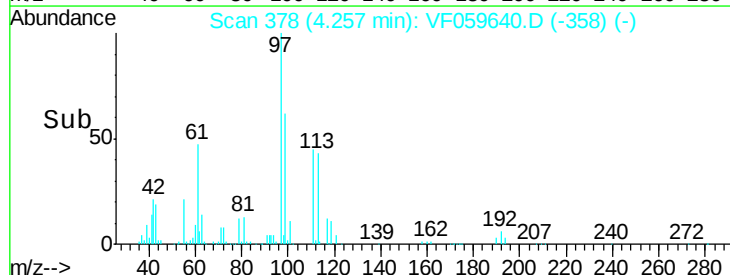
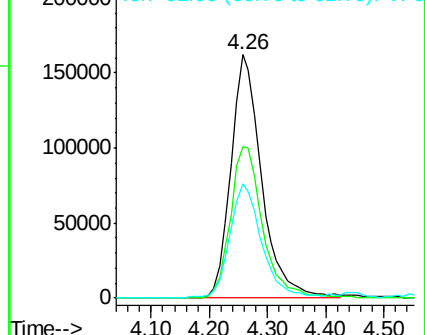
61 47.0 38.9 58.3

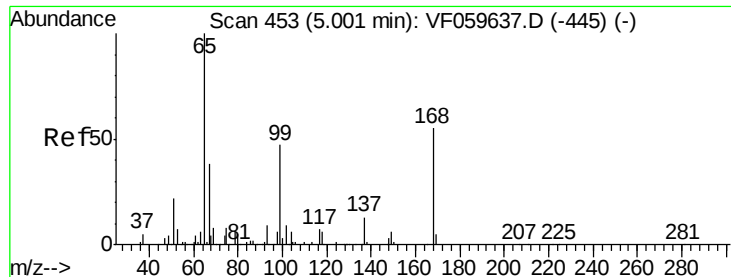


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 126.040 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

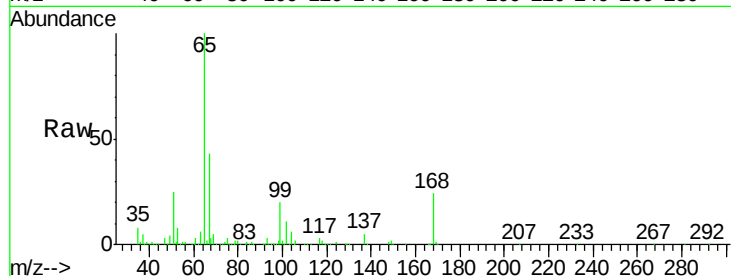
VSTDIC150

Tgt Ion: 65 Resp: 486409

Ion Ratio Lower Upper

65 100

67 42.8 0.0 86.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.01

200000

150000

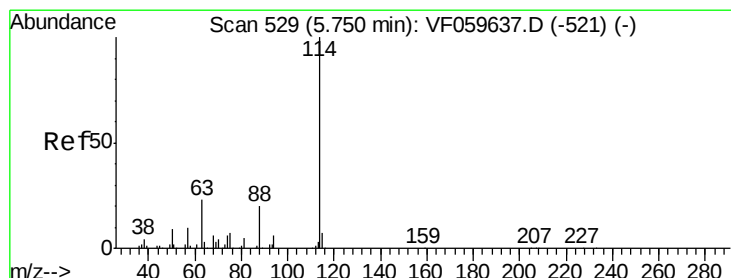
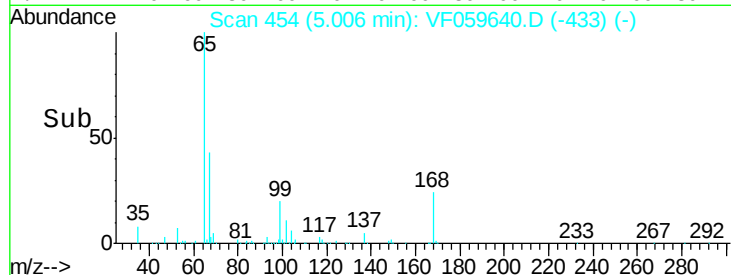
100000

50000

0

4.90 5.00 5.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

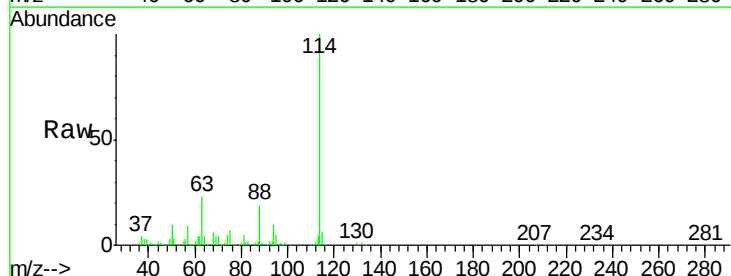
Tgt Ion: 114 Resp: 354941

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

88 19.1 0.0 40.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150000

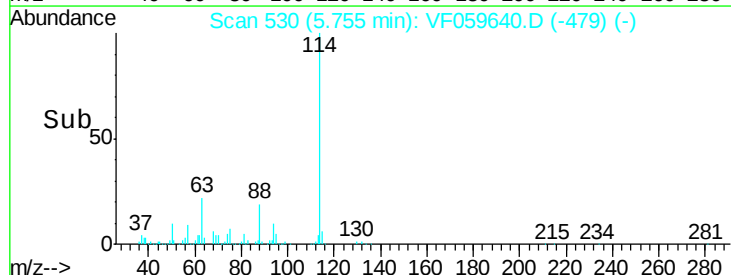
100000

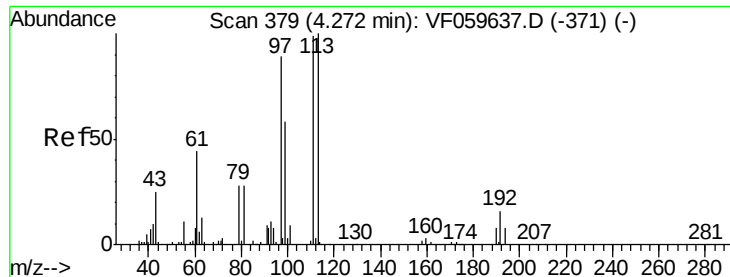
50000

0

5.60 5.70 5.80 5.90

Time-->

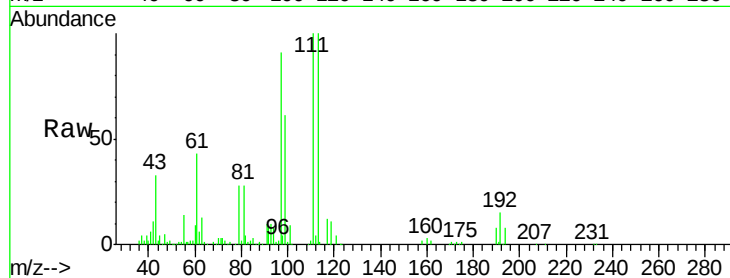




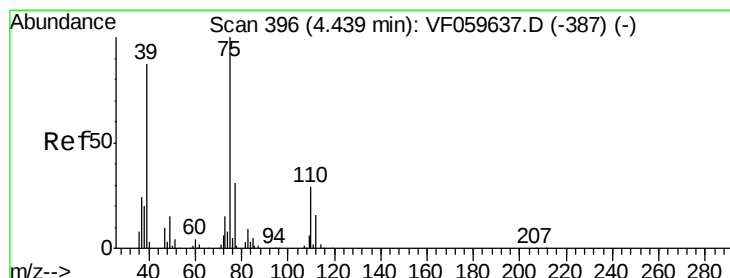
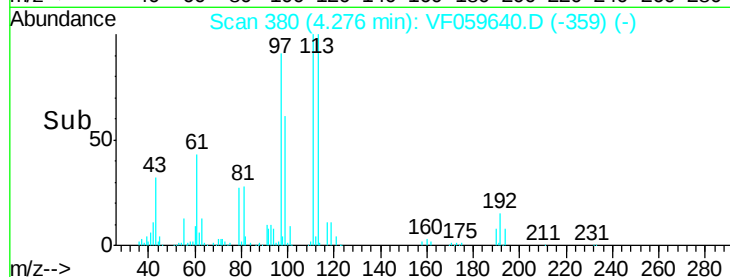
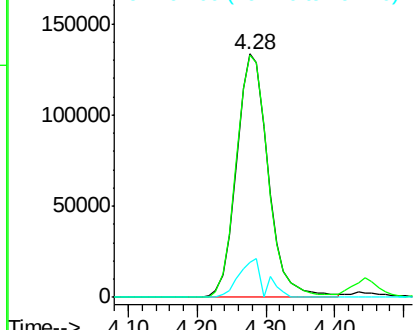
#35
Dibromofluoromethane
Concen: 130.917 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion: 113 Resp: 425146
Ion Ratio Lower Upper
113 100
111 99.7 79.3 118.9
192 14.5 13.4 20.2

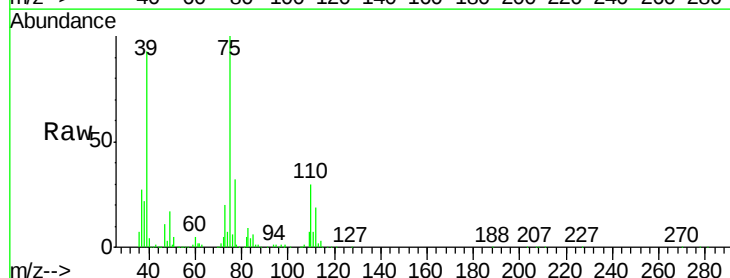


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

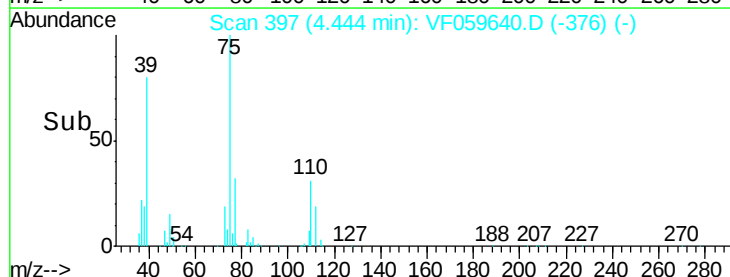
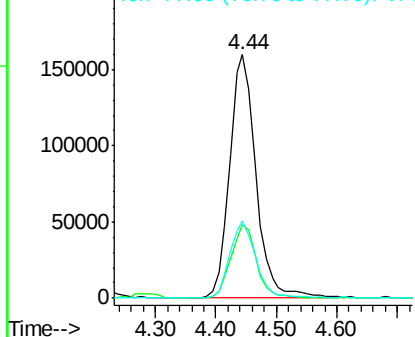


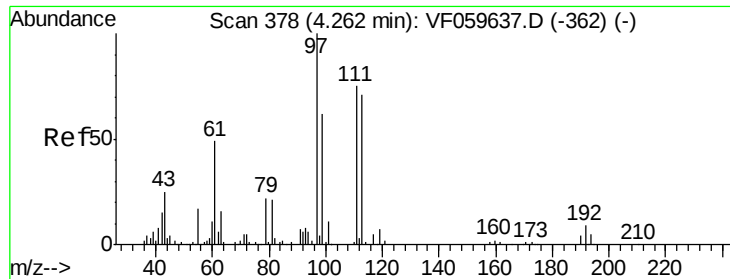
#36
1,1-Dichloropropene
Concen: 134.533 ug/l
RT: 4.44 min Scan# 397
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion: 75 Resp: 480195
Ion Ratio Lower Upper
75 100
110 30.3 14.6 43.8
77 31.6 24.4 36.6



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: 121.357 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

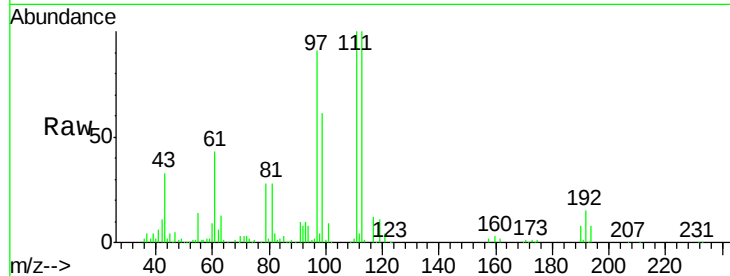
Tgt Ion: 43 Resp: 170457

Ion Ratio Lower Upper

43 100

61 133.3 156.6 234.8#

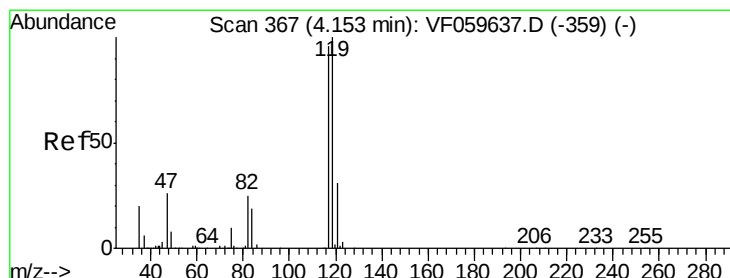
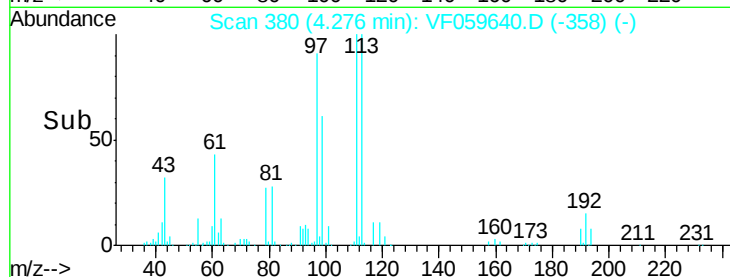
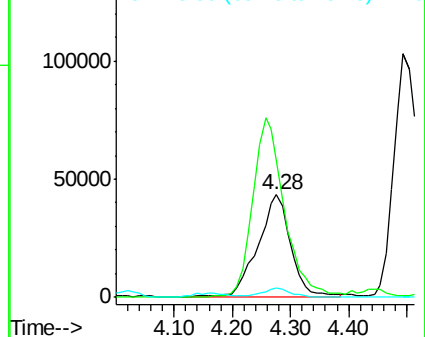
70 9.3 7.3 10.9



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: 120.177 ug/l

RT: 4.16 min Scan# 368

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

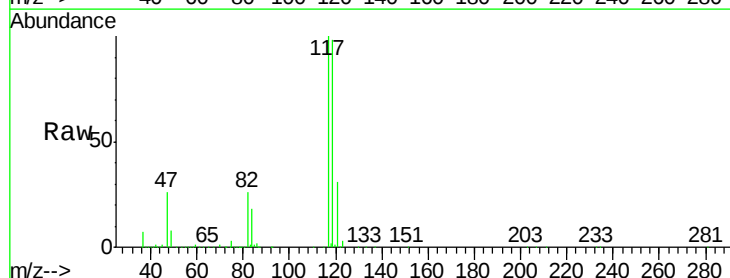
Tgt Ion: 117 Resp: 649289

Ion Ratio Lower Upper

117 100

119 98.2 83.0 124.6

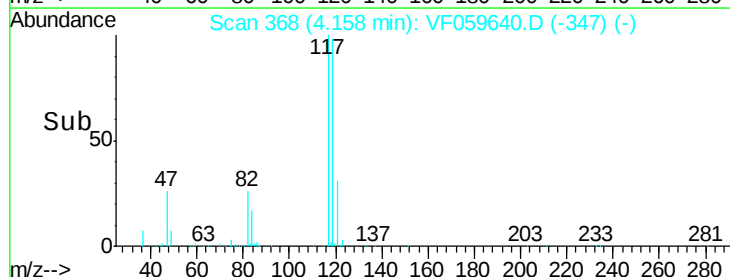
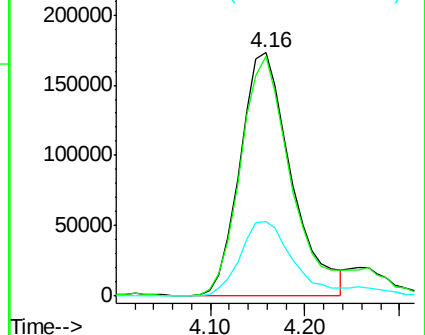
121 30.6 26.2 39.4

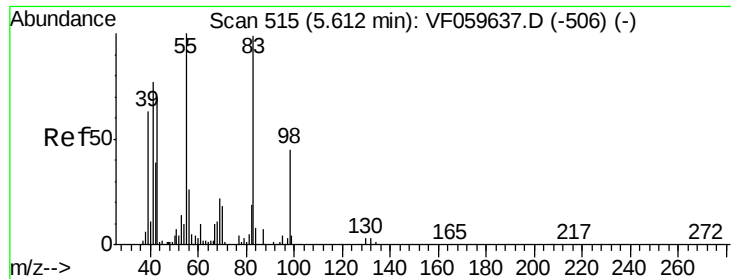


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

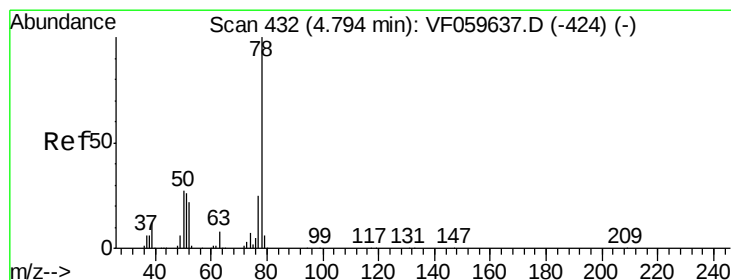
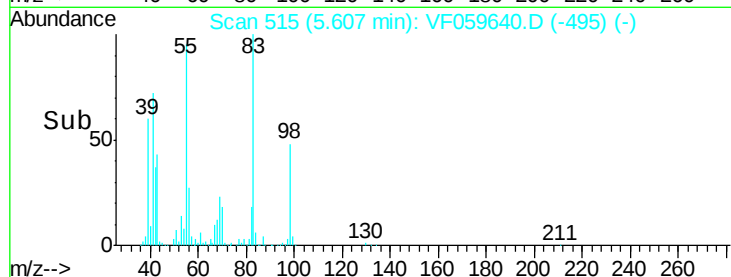
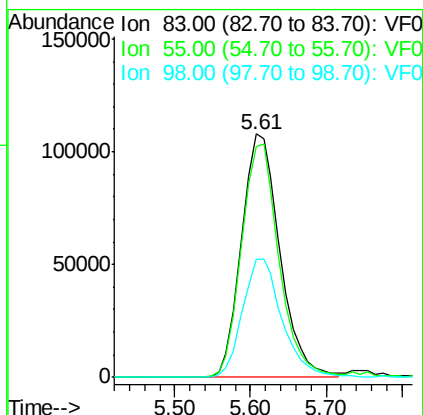
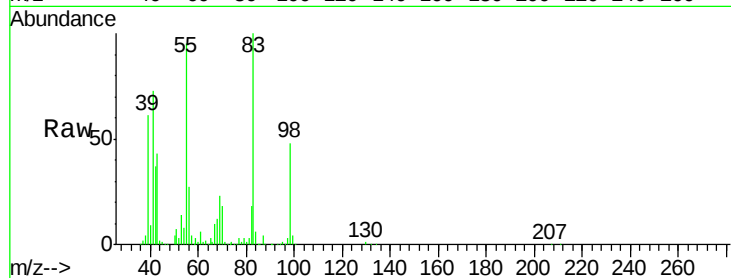




#39
Methylcyclohexane
Concen: 132.618 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

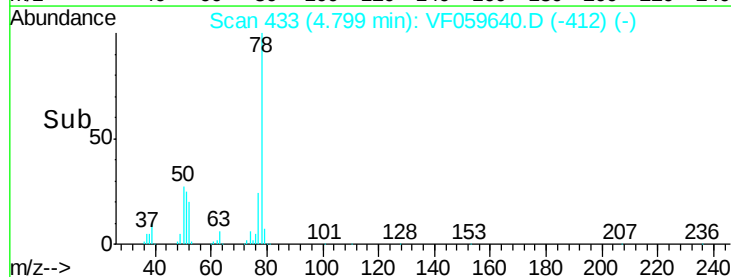
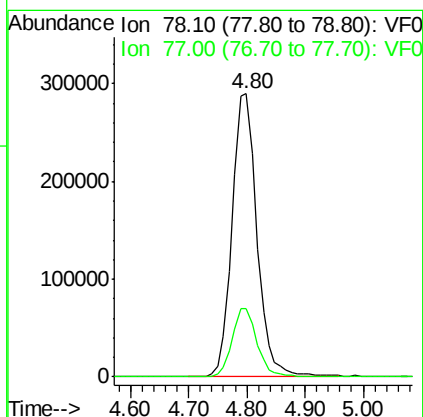
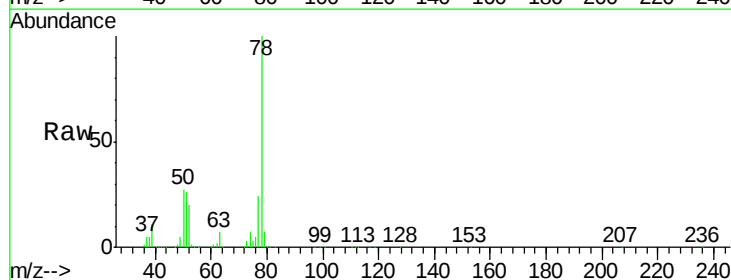
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

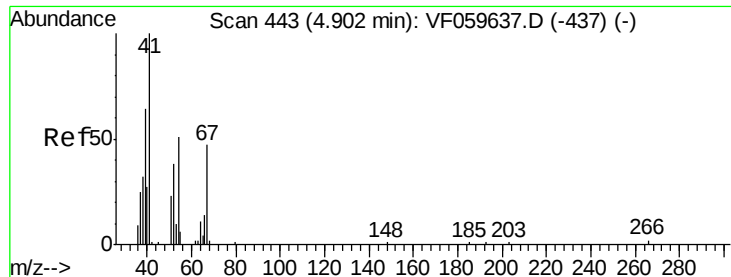
Tgt Ion	Ratio	Lower	Upper
83	100		
55	94.8	81.5	122.3
98	48.3	36.7	55.1



#40
Benzene
Concen: 132.276 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.8	29.6





#41

Methacrylonitrile

Concen: 124.571 ug/l

RT: 4.91 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 86425

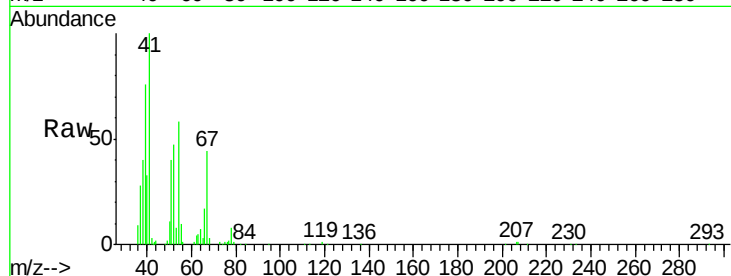
Ion Ratio Lower Upper

41 100

39 75.8 56.9 85.3

67 43.6 36.6 54.8

52 46.8 42.6 63.8

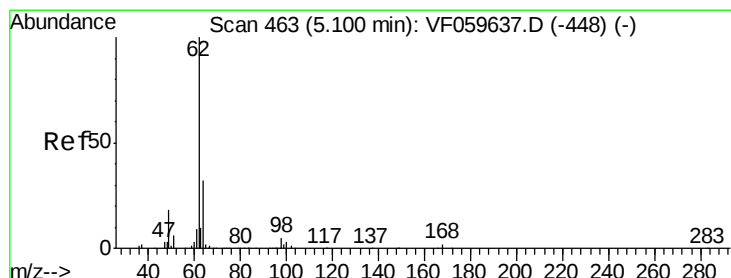
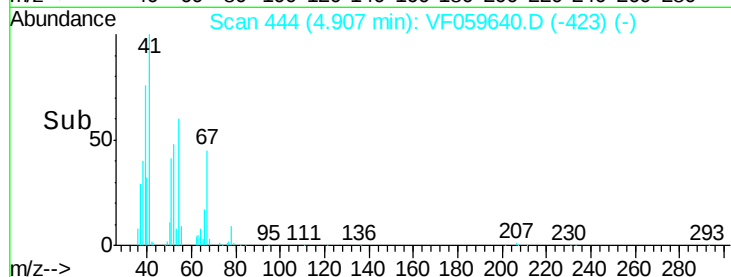
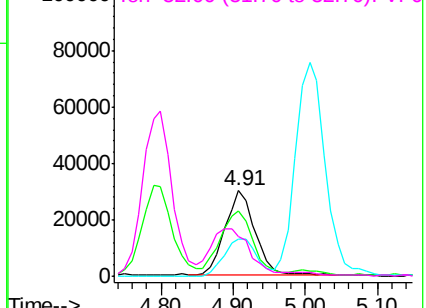


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 117.913 ug/l

RT: 5.10 min Scan# 464

Delta R.T. 0.00 min

Lab File: VF059640.D

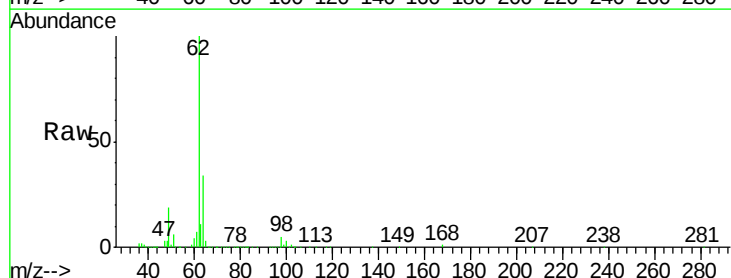
Acq: 24 Jul 2018 18:54

Tgt Ion: 62 Resp: 509046

Ion Ratio Lower Upper

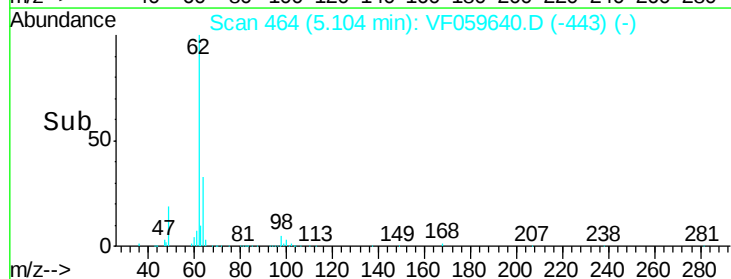
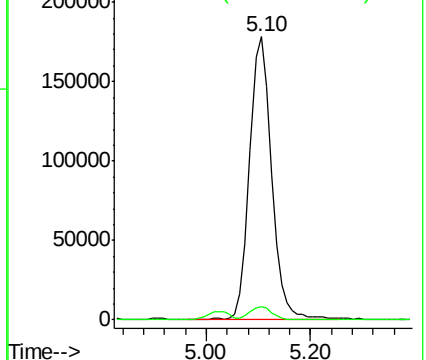
62 100

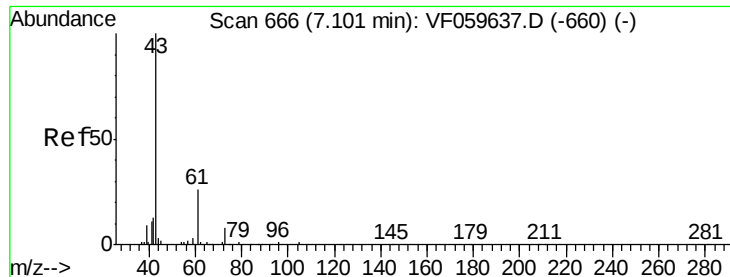
98 4.8 0.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 129.629 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

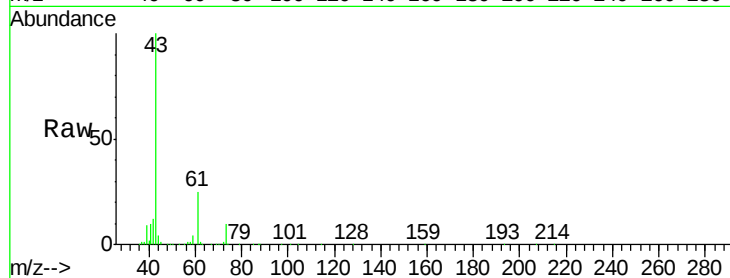
Tgt Ion: 43 Resp: 226737

Ion Ratio Lower Upper

43 100

61 24.8 20.5 30.7

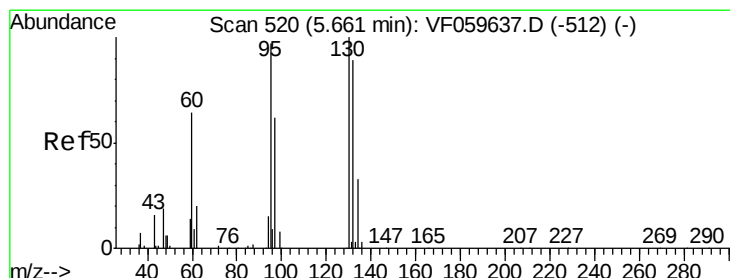
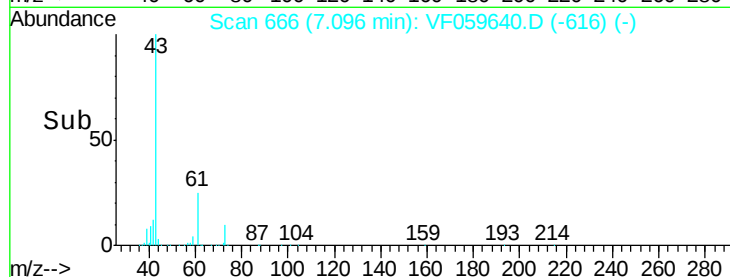
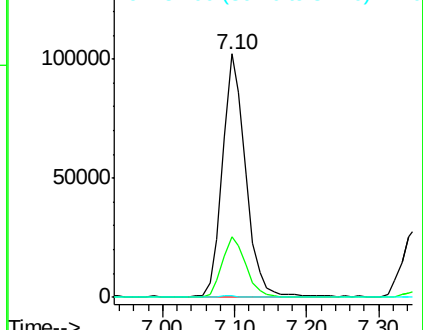
87 0.4 0.4 0.6



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: 125.052 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF059640.D

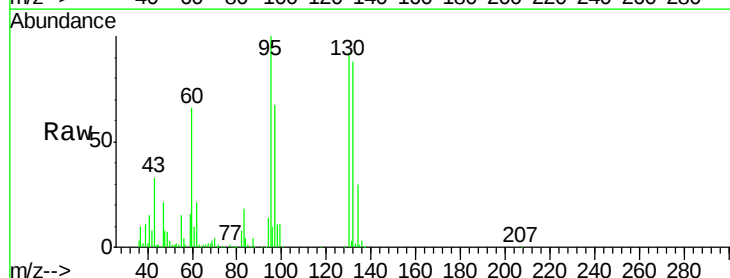
Acq: 24 Jul 2018 18:54

Tgt Ion: 130 Resp: 311354

Ion Ratio Lower Upper

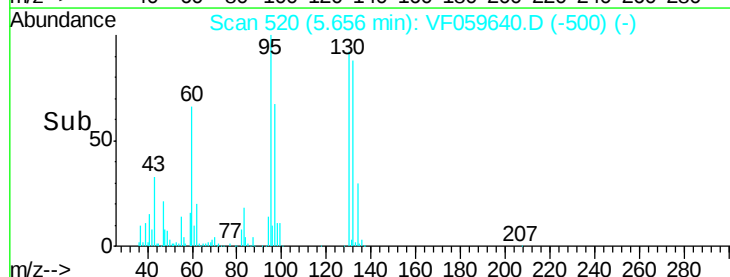
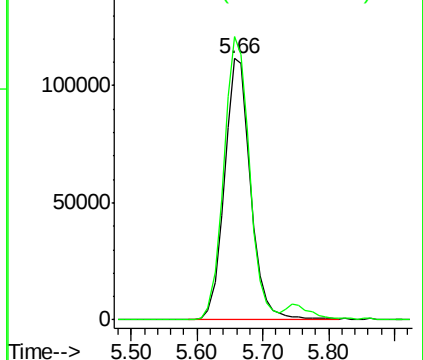
130 100

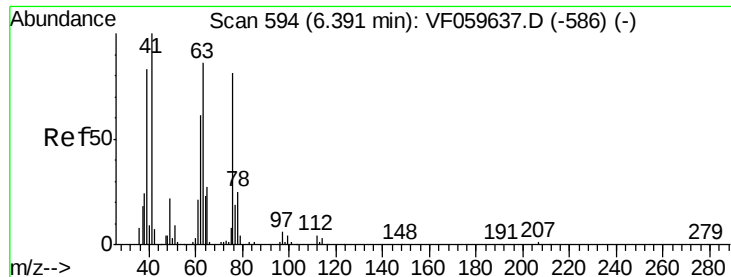
95 108.3 0.0 193.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 127.236 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

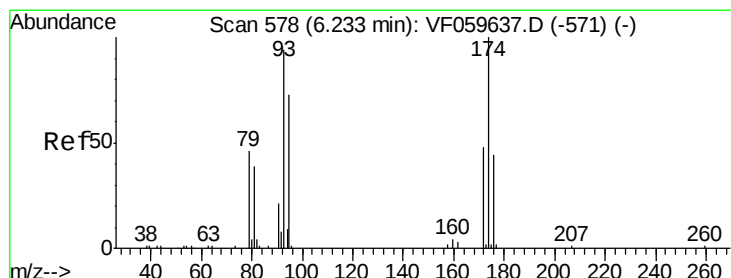
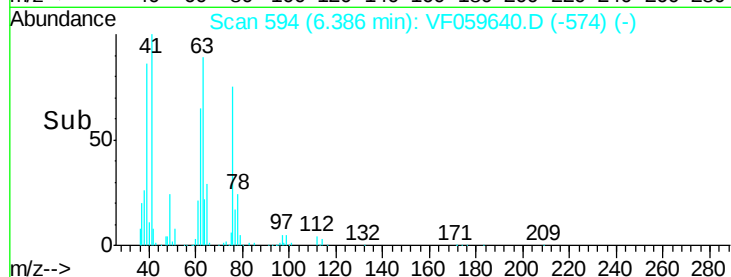
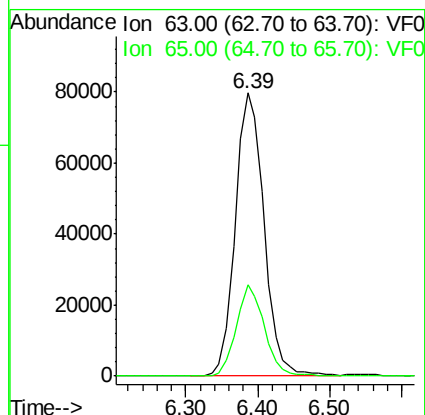
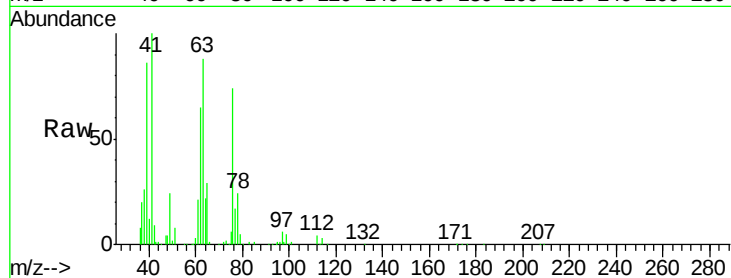
VSTDIC150

Tgt Ion: 63 Resp: 221998

Ion Ratio Lower Upper

63 100

65 32.4 25.1 37.7



#46

Dibromomethane

Concen: 129.353 ug/l

RT: 6.24 min Scan# 579

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

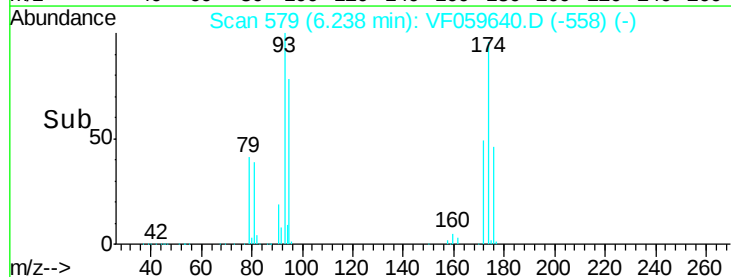
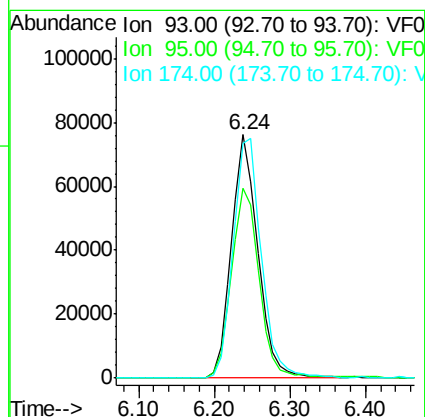
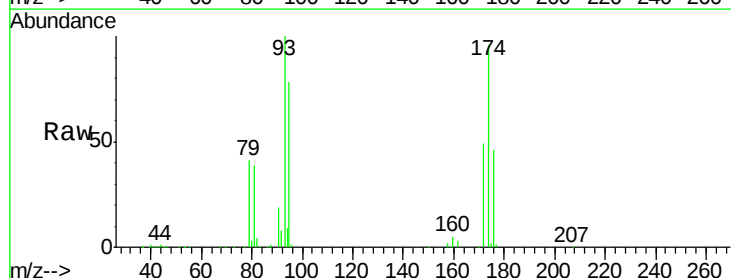
Tgt Ion: 93 Resp: 183472

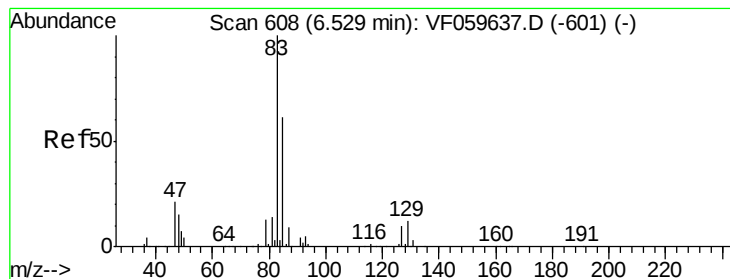
Ion Ratio Lower Upper

93 100

95 77.7 63.1 94.7

174 96.5 85.3 127.9





#47

Bromodichloromethane

Concen: 124.716 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

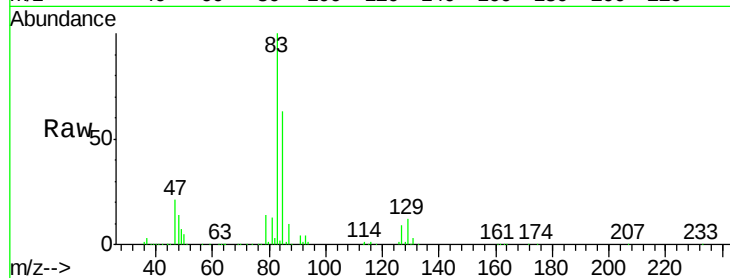
Tgt Ion: 83 Resp: 541694

Ion Ratio Lower Upper

83 100

85 62.9 48.6 72.8

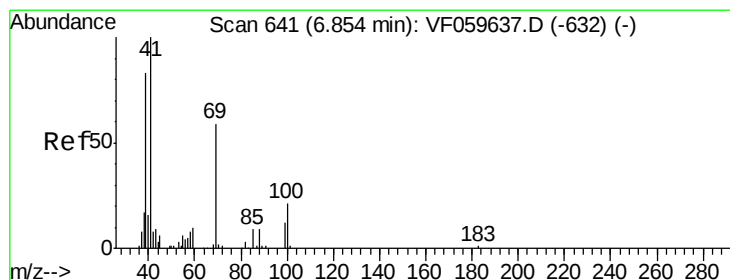
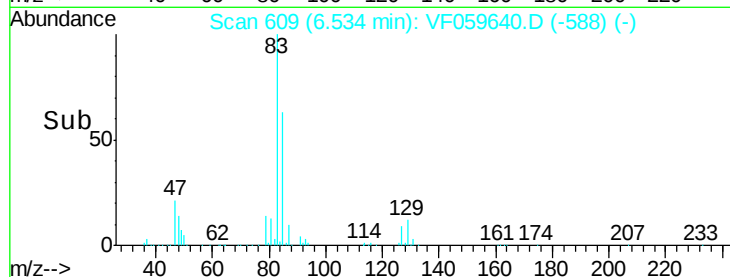
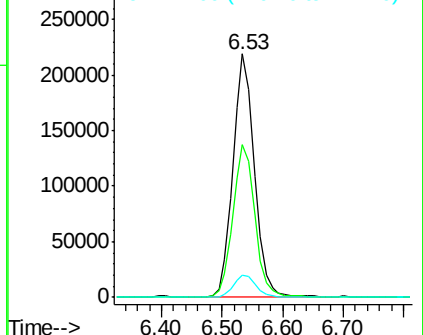
127 9.4 7.7 11.5



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: 128.608 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

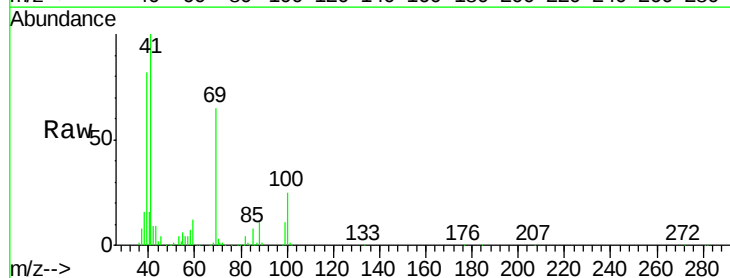
Tgt Ion: 41 Resp: 171275

Ion Ratio Lower Upper

41 100

69 64.9 47.5 71.3

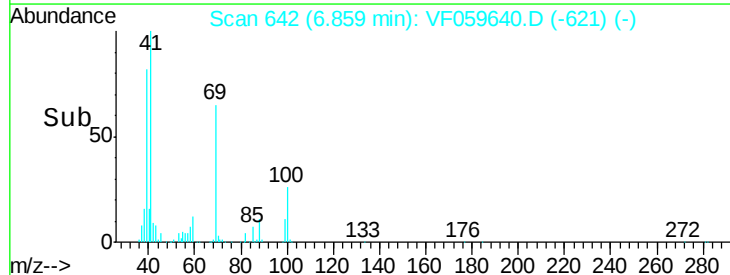
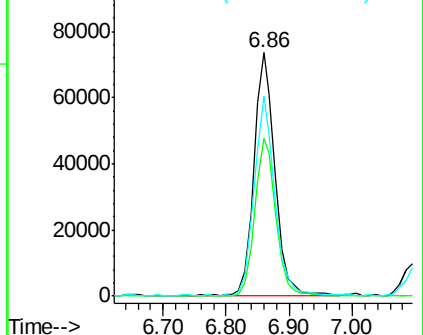
39 81.9 67.0 100.6

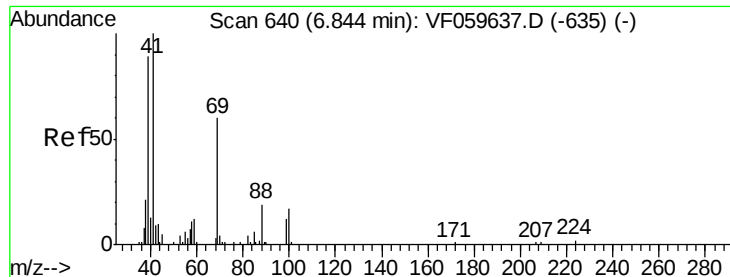


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2785.844 ug/l

RT: 6.85 min Scan# 641

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

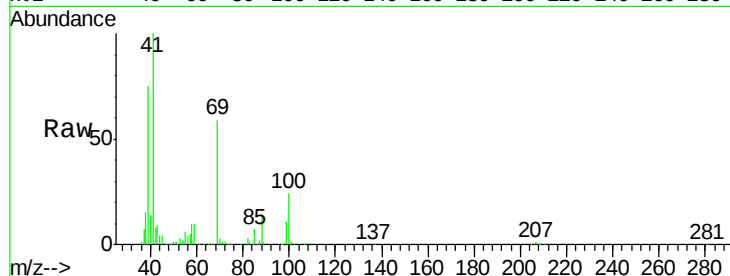
Tgt Ion: 88 Resp: 26080

Ion Ratio Lower Upper

88 100

43 68.2 45.3 67.9#

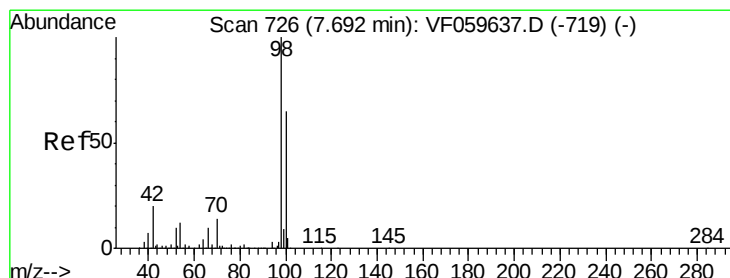
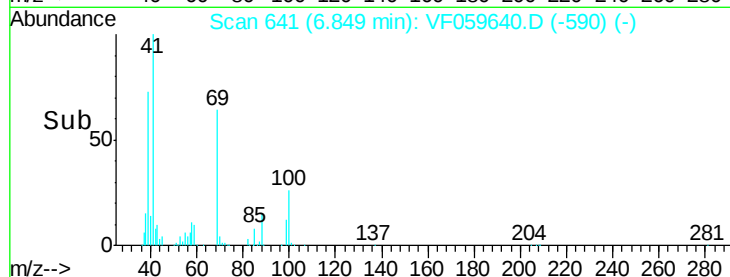
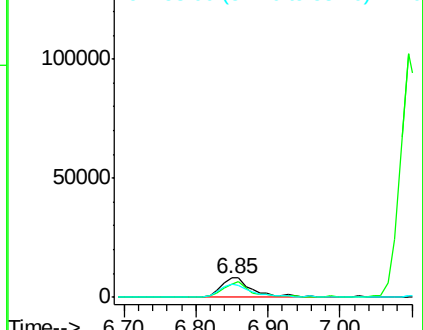
58 71.8 47.7 71.5#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 132.352 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF059640.D

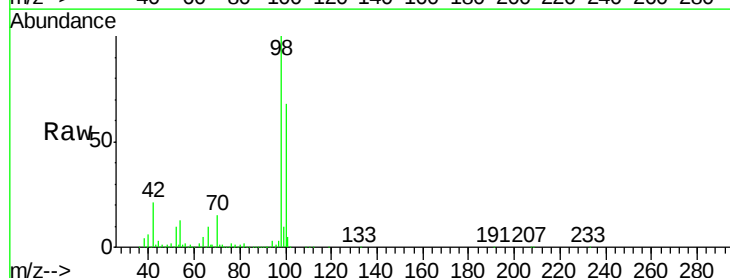
Acq: 24 Jul 2018 18:54

Tgt Ion: 98 Resp: 1075955

Ion Ratio Lower Upper

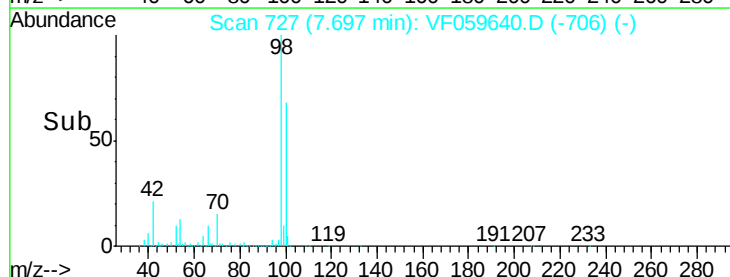
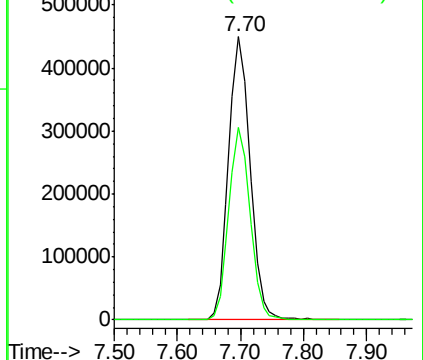
98 100

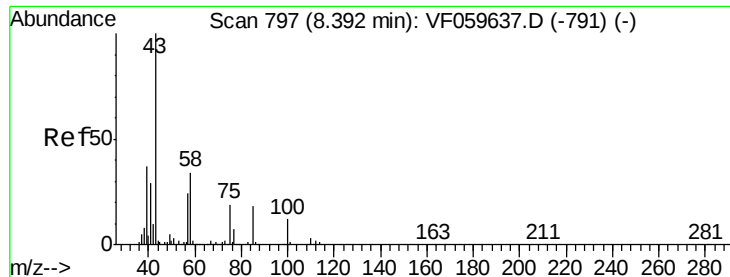
100 68.2 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 566.785 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

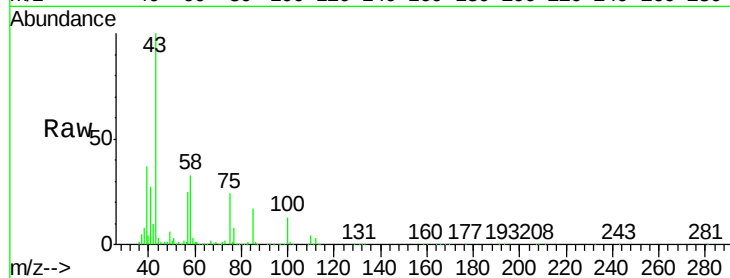
VSTDIC150

Tgt Ion: 43 Resp: 741642

Ion Ratio Lower Upper

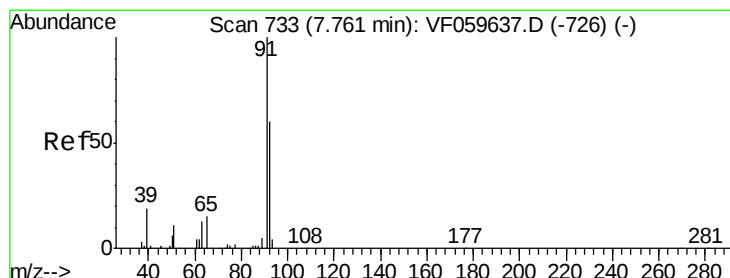
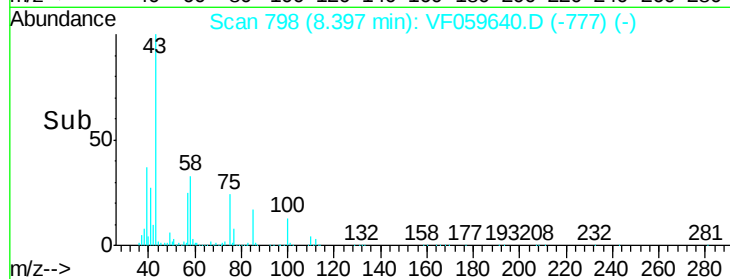
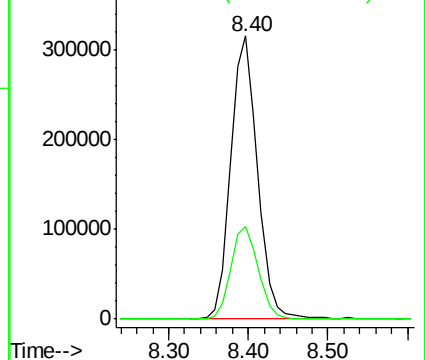
43 100

58 32.8 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 125.402 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059640.D

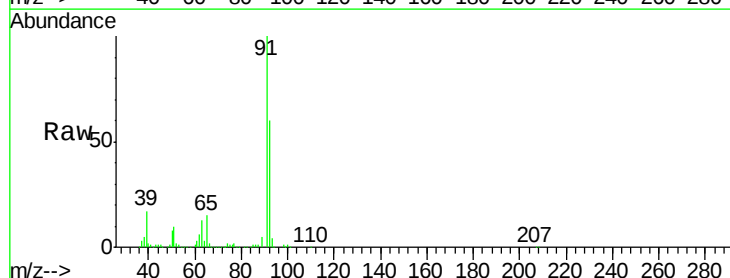
Acq: 24 Jul 2018 18:54

Tgt Ion: 92 Resp: 618879

Ion Ratio Lower Upper

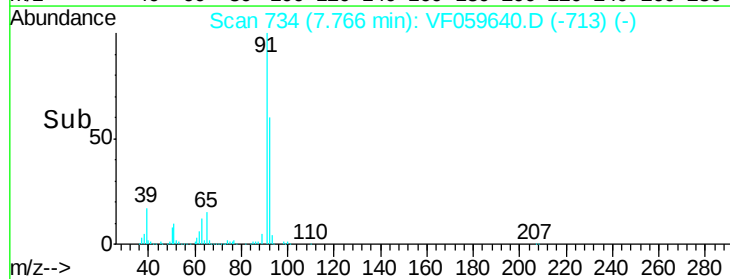
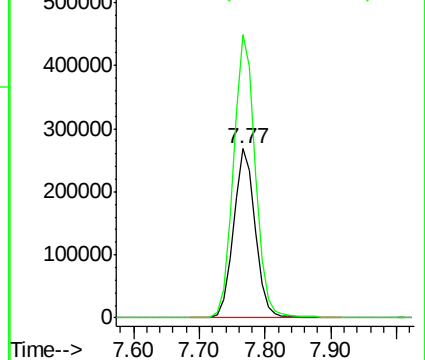
92 100

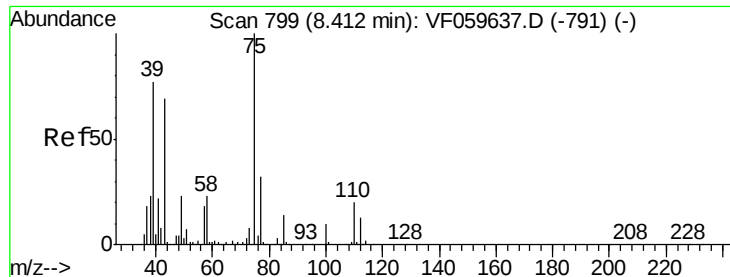
91 167.4 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

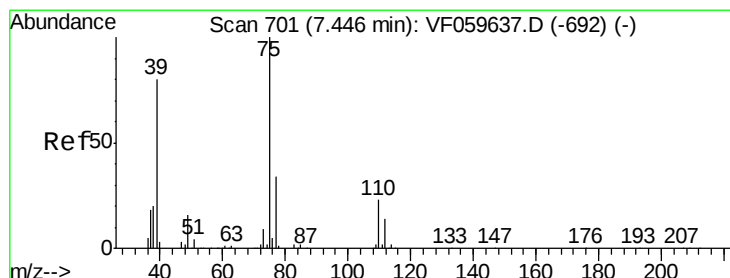
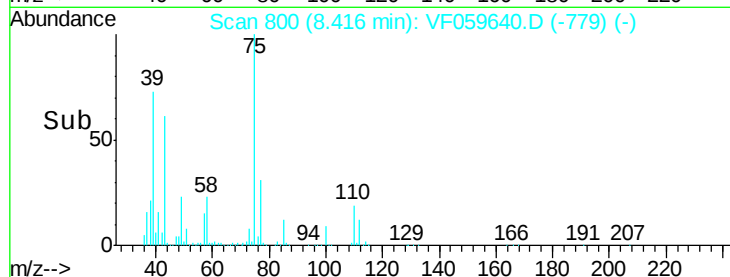
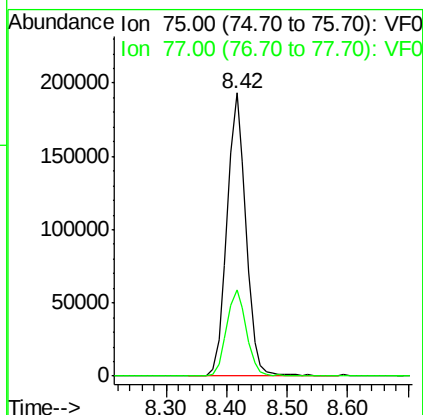
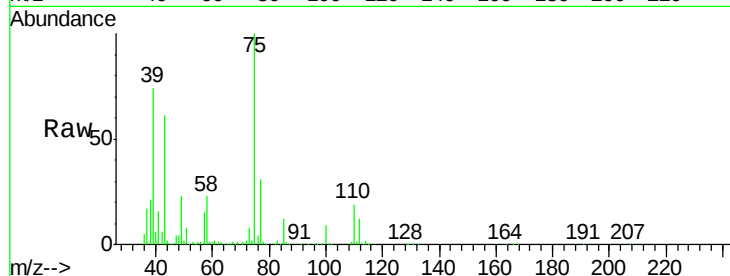




#53
t-1,3-Dichloropropene
Concen: 115.132 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

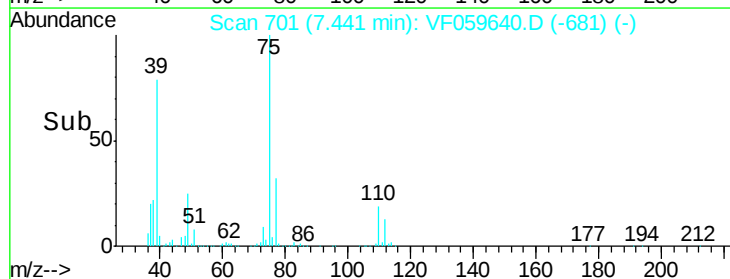
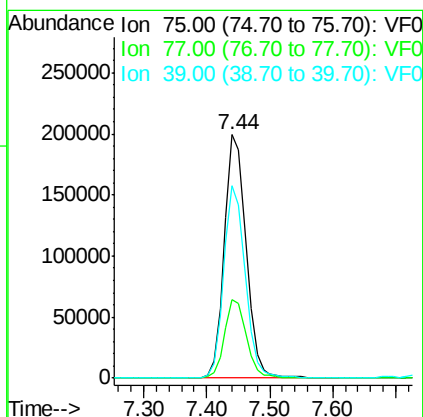
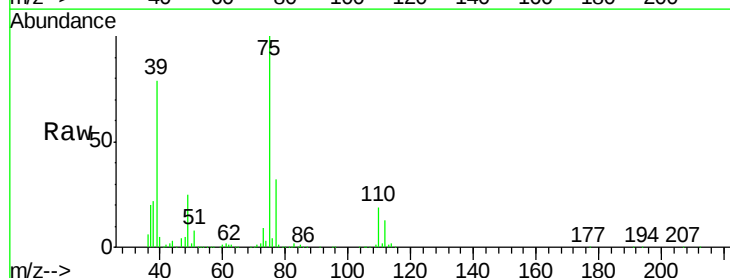
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

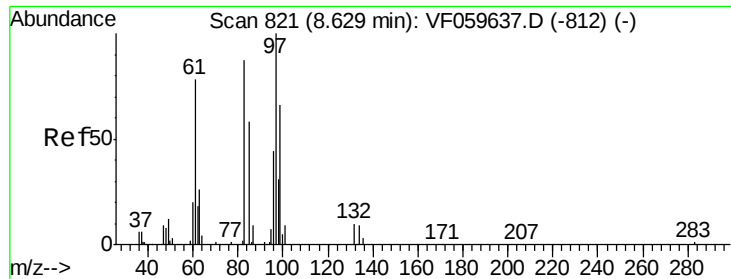
Tgt Ion: 75 Resp: 418547
Ion Ratio Lower Upper
75 100
77 30.7 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 132.841 ug/l
RT: 7.44 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion: 75 Resp: 481082
Ion Ratio Lower Upper
75 100
77 32.2 27.5 41.3
39 79.1 64.4 96.6

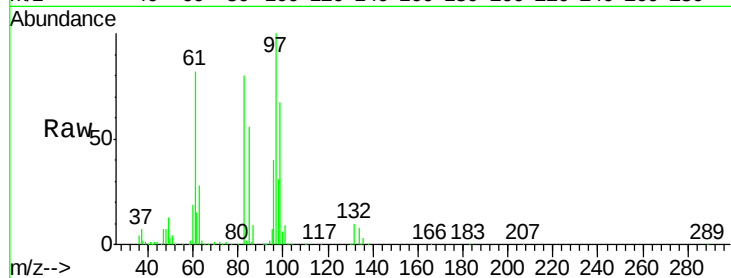




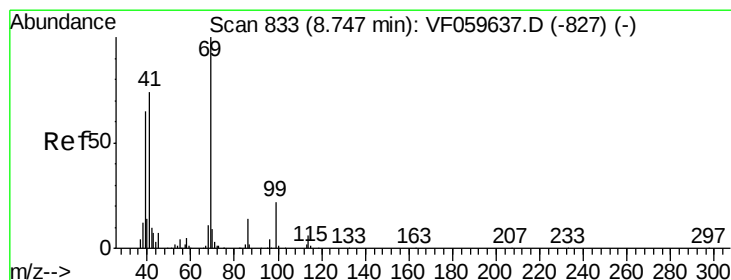
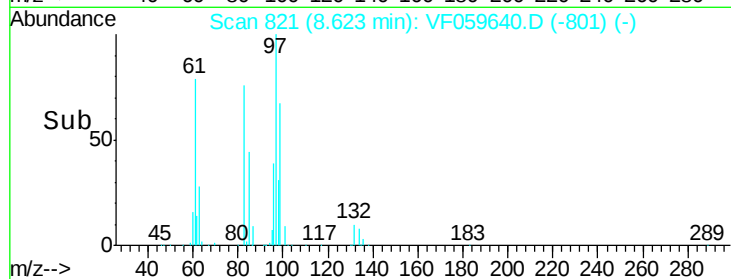
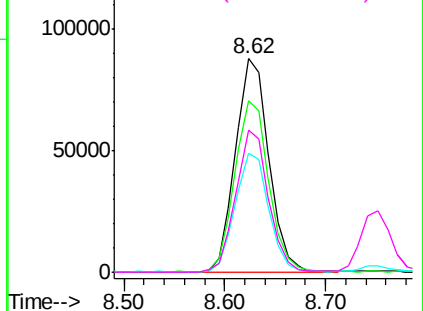
#55
 1,1,2-Trichloroethane
 Concen: 124.366 ug/l
 RT: 8.62 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion:	97	Resp:	203600
Ion	Ratio	Lower	Upper
97	100		
83	80.2	69.5	104.3
85	55.7	46.0	69.0
99	66.7	53.2	79.8

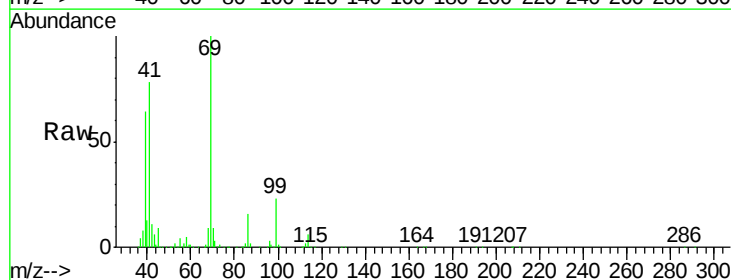


Abundance Ion 97.00 (96.70 to 97.70): VF0

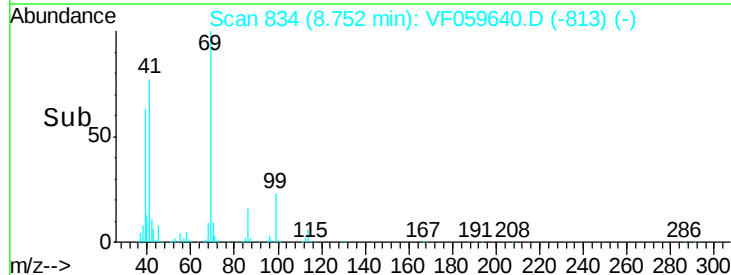
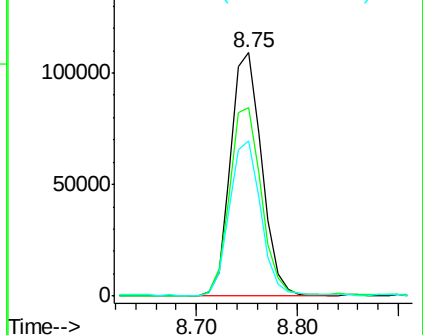


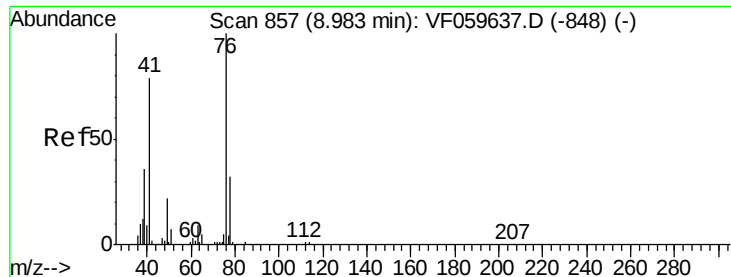
#56
 Ethyl methacrylate
 Concen: 129.664 ug/l
 RT: 8.75 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion:	69	Resp:	235322
Ion	Ratio	Lower	Upper
69	100		
41	77.5	59.1	88.7
39	63.9	52.4	78.6



Abundance Ion 69.00 (68.70 to 69.70): VF0





#57

1,3-Dichloropropane

Concen: 121.939 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

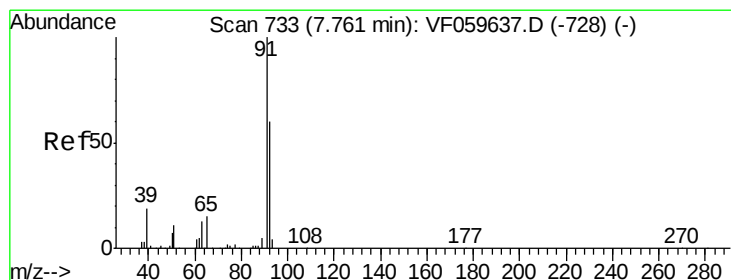
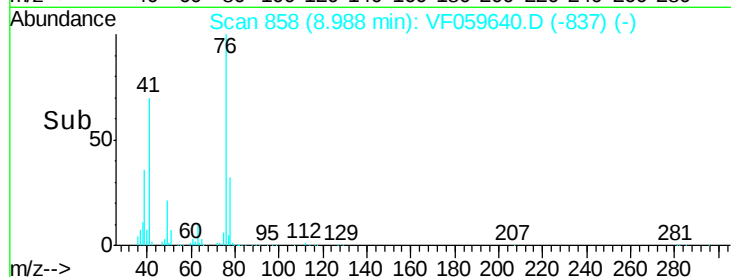
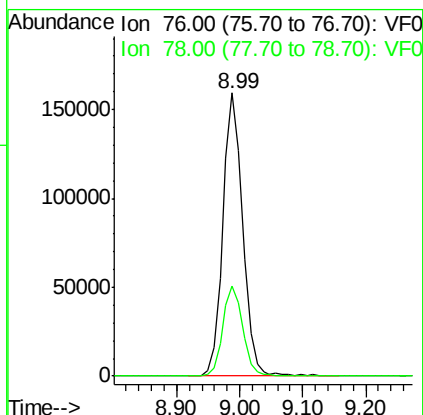
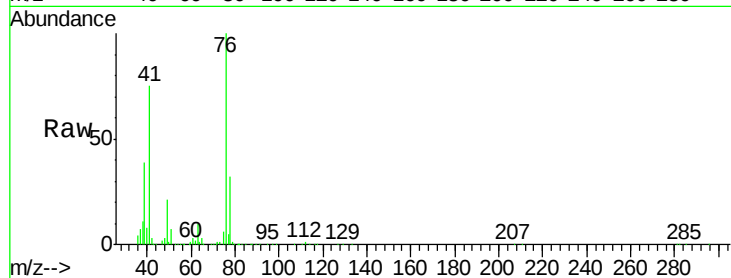
VSTDIC150

Tgt Ion: 76 Resp: 348843

Ion Ratio Lower Upper

76 100

78 31.7 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 596.012 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059640.D

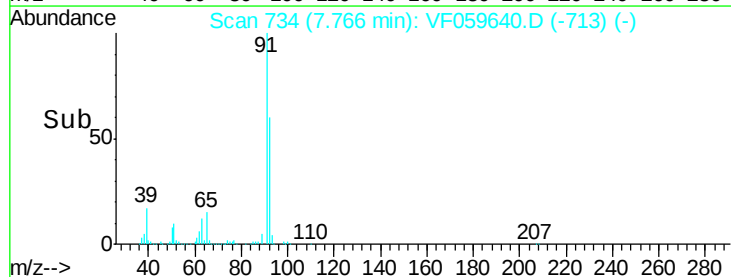
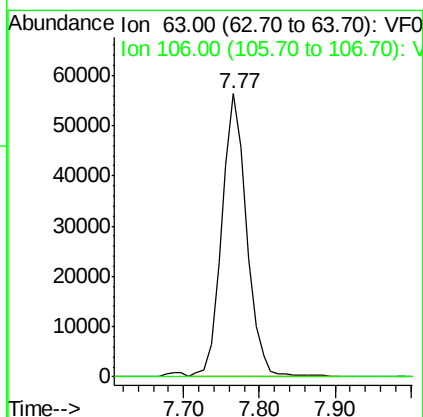
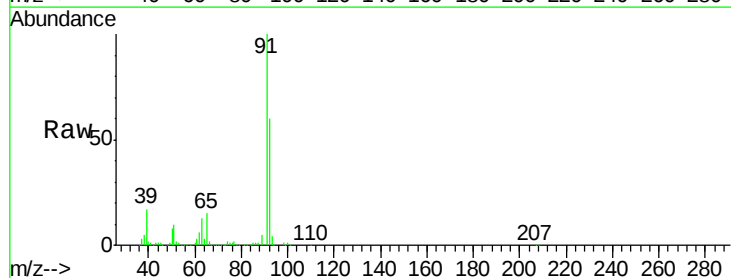
Acq: 24 Jul 2018 18:54

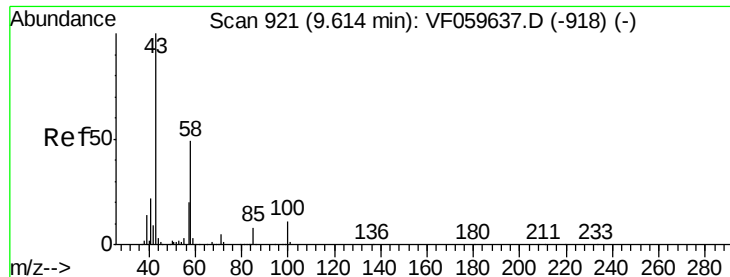
Tgt Ion: 63 Resp: 128391

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

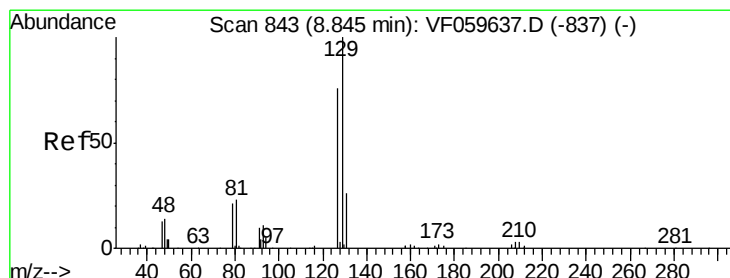
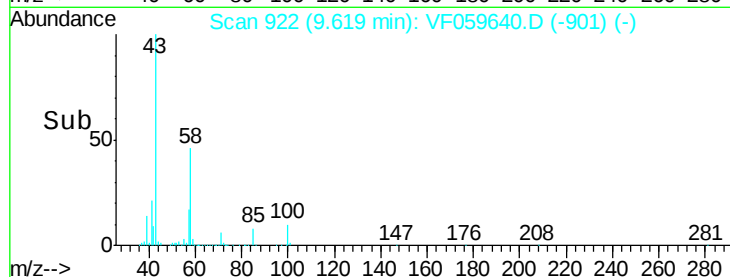
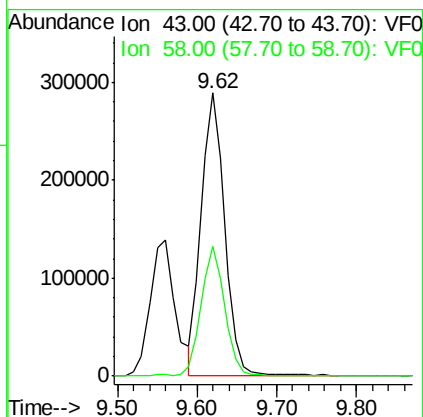
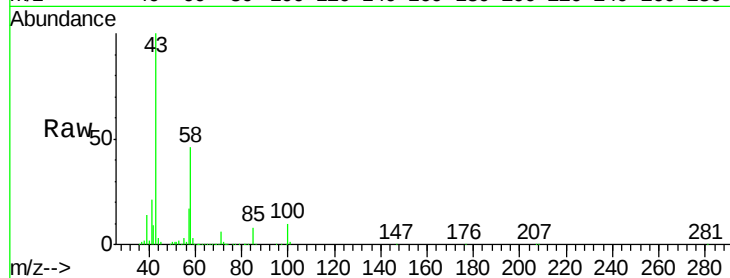




#59
 2-Hexanone
 Concen: 567.723 ug/l
 RT: 9.62 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

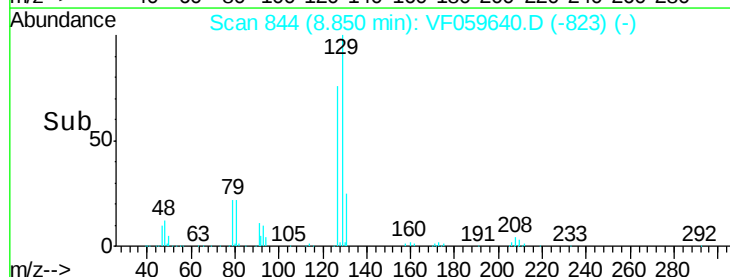
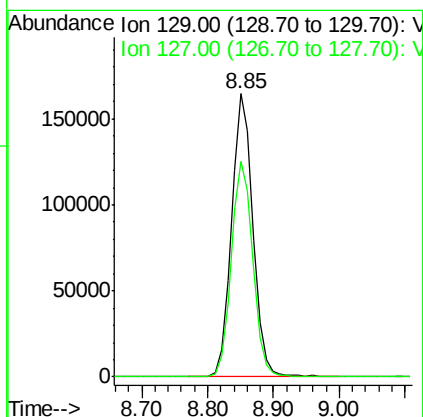
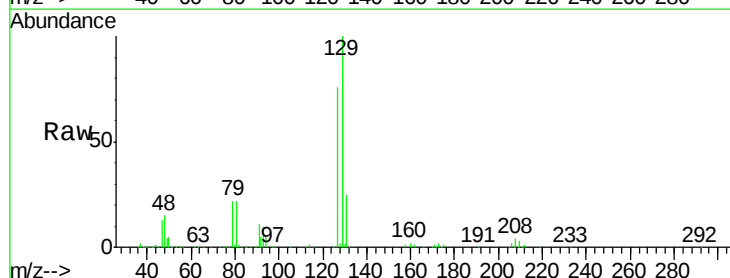
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

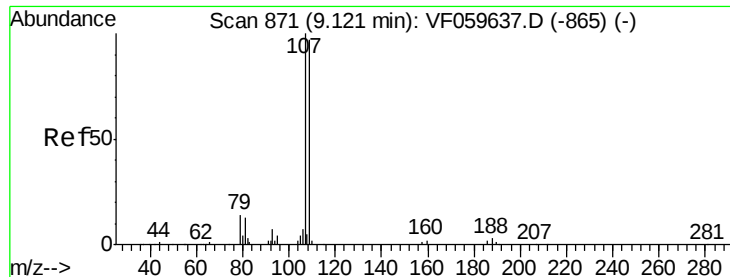
Tgt Ion: 43 Resp: 590176
 Ion Ratio Lower Upper
 43 100
 58 46.0 23.6 71.0



#60
 Dibromochloromethane
 Concen: 127.620 ug/l
 RT: 8.85 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion: 129 Resp: 375162
 Ion Ratio Lower Upper
 129 100
 127 76.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 132.280 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

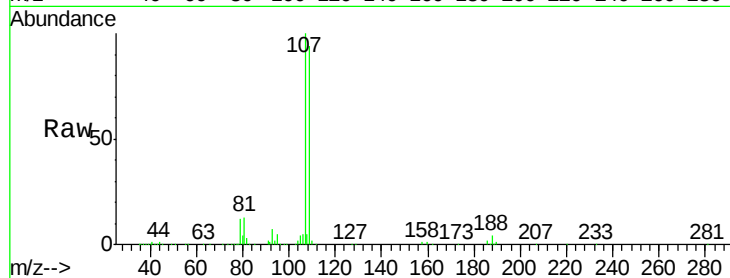
VSTDIC150

Tgt Ion: 107 Resp: 249248

Ion Ratio Lower Upper

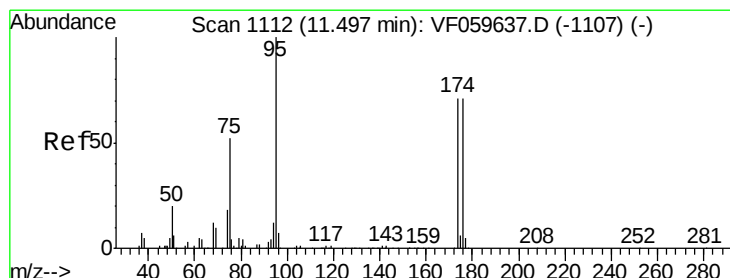
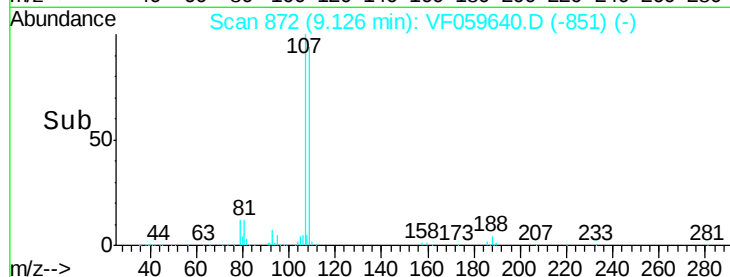
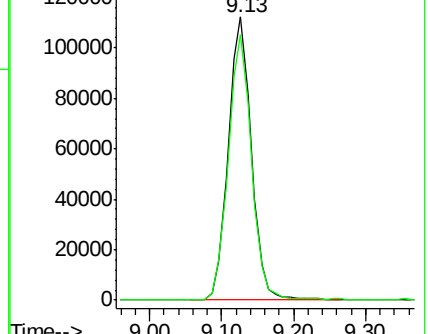
107 100

109 93.8 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 115.157 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

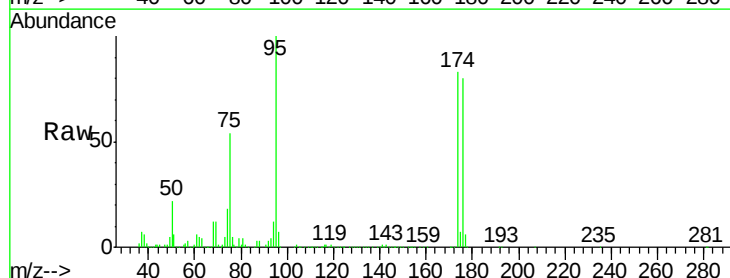
Tgt Ion: 95 Resp: 533443

Ion Ratio Lower Upper

95 100

174 83.0 0.0 141.8

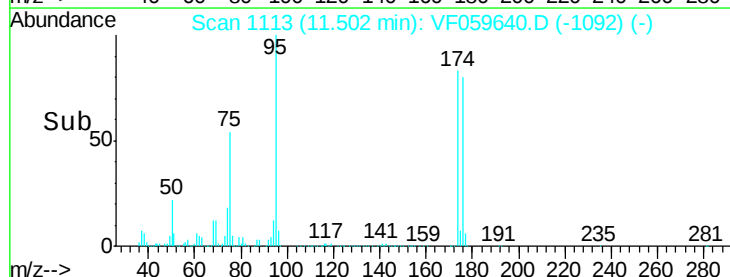
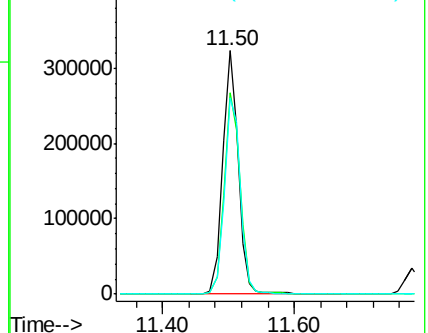
176 80.4 0.0 142.0

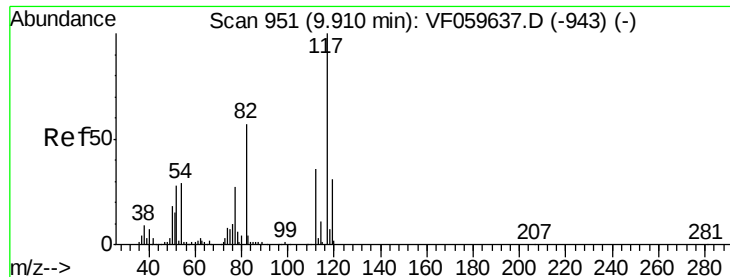


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.90 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

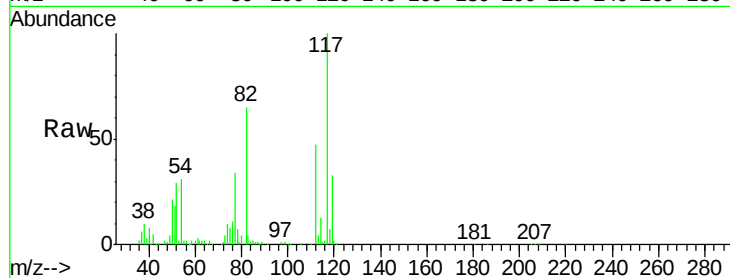
Tgt Ion:117 Resp: 326314

Ion Ratio Lower Upper

117 100

82 64.7 45.9 68.9

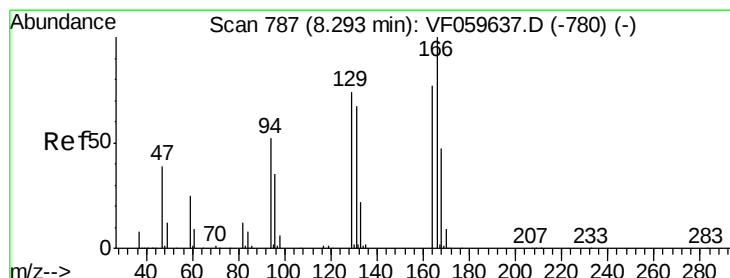
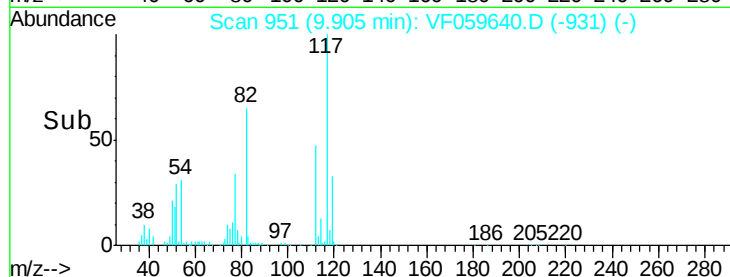
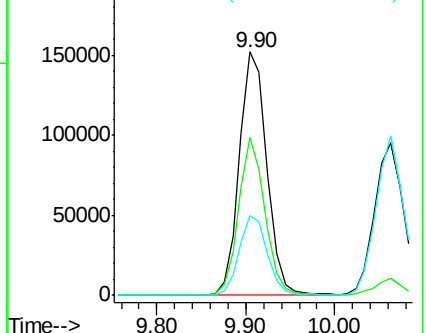
119 32.9 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 136.604 ug/l

RT: 8.29 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion:164 Resp: 333757

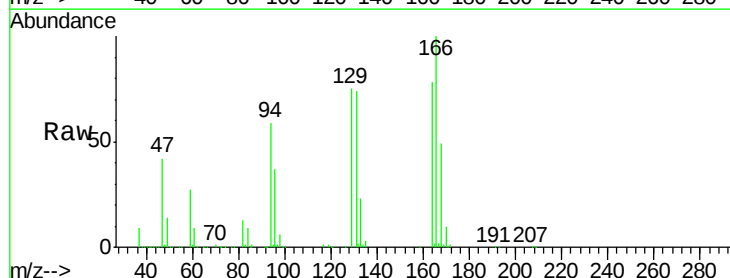
Ion Ratio Lower Upper

164 100

166 128.9 103.3 154.9

129 97.3 76.2 114.2

131 95.6 69.1 103.7

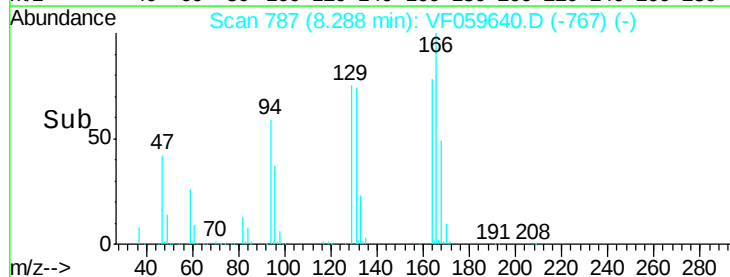
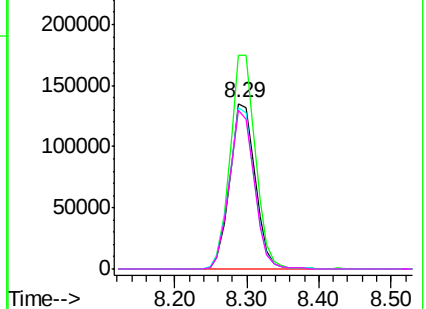


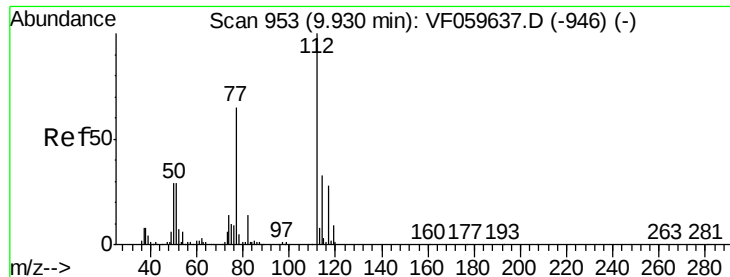
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

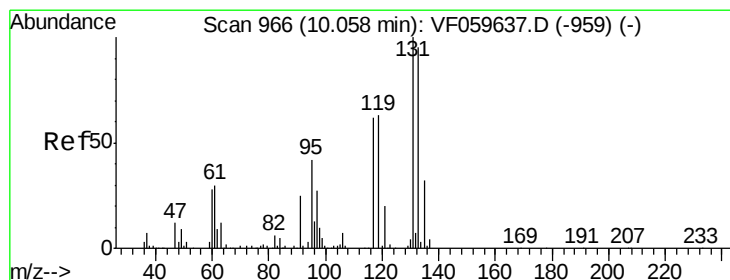
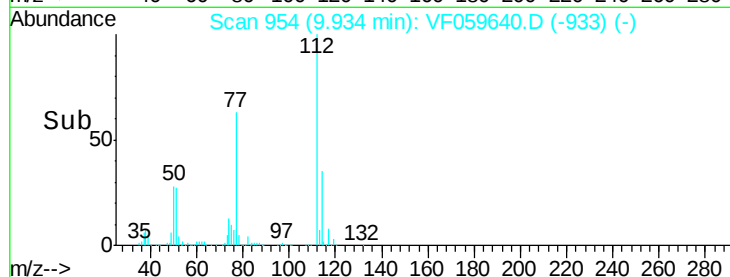
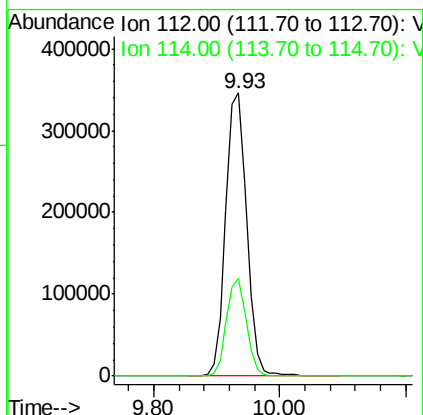
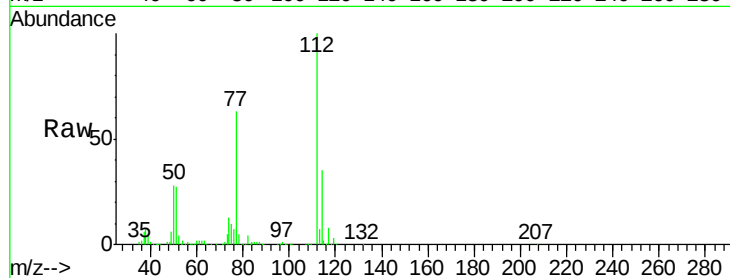




#65
Chlorobenzene
Concen: 134.607 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

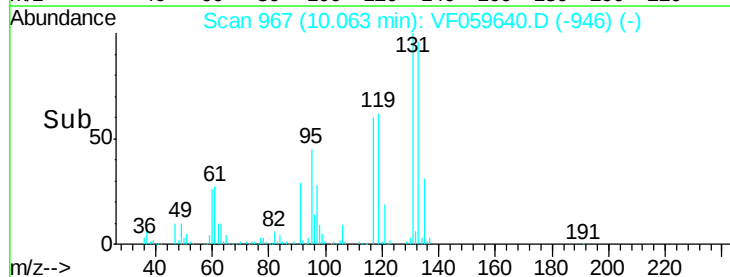
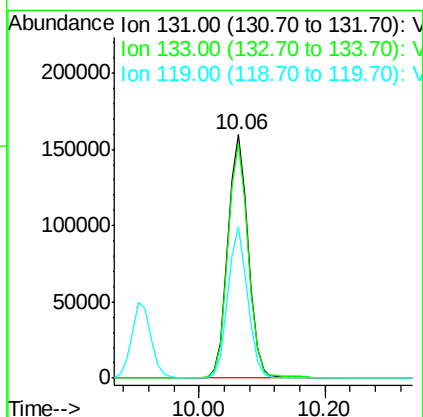
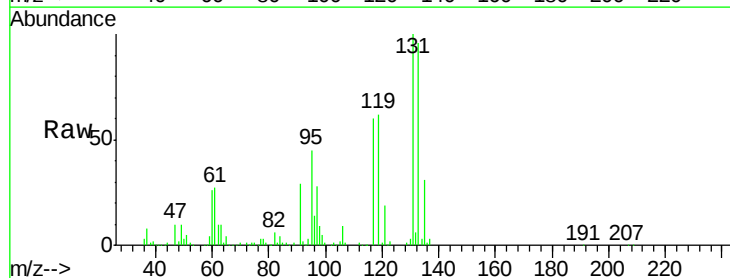
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

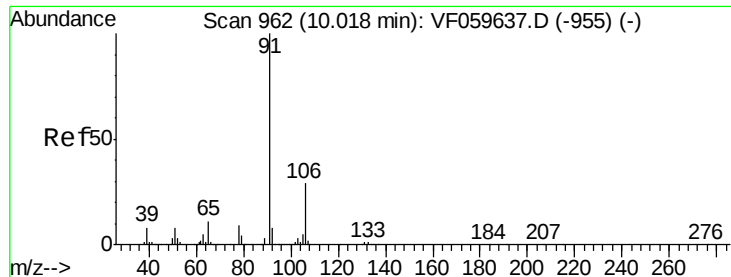
Tgt Ion:112 Resp: 800816
Ion Ratio Lower Upper
112 100
114 34.6 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 130.626 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion:131 Resp: 354067
Ion Ratio Lower Upper
131 100
133 96.5 47.5 142.6
119 62.3 31.8 95.4





#67

Ethyl Benzene

Concen: 130.810 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

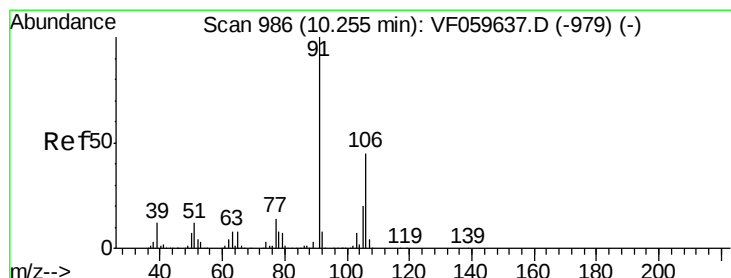
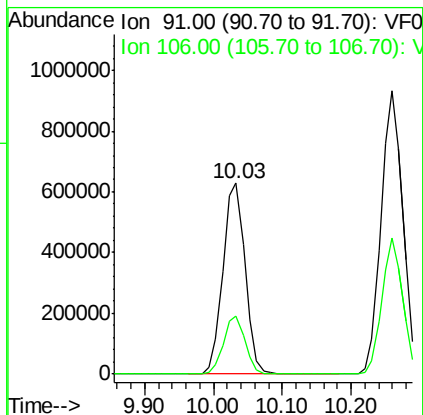
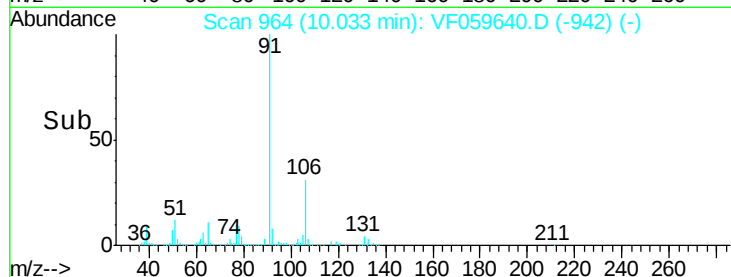
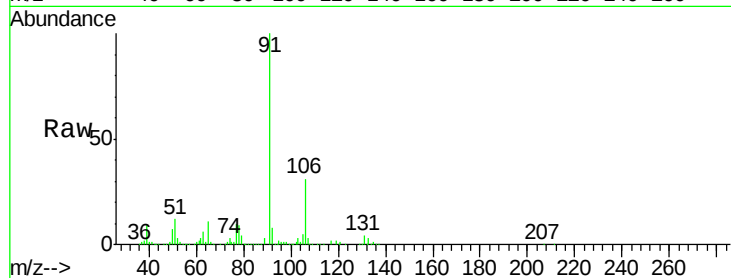
VSTDIC150

Tgt Ion: 91 Resp: 1409428

Ion Ratio Lower Upper

91 100

106 30.6 23.4 35.0



#68

m/p-Xylenes

Concen: 255.327 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF059640.D

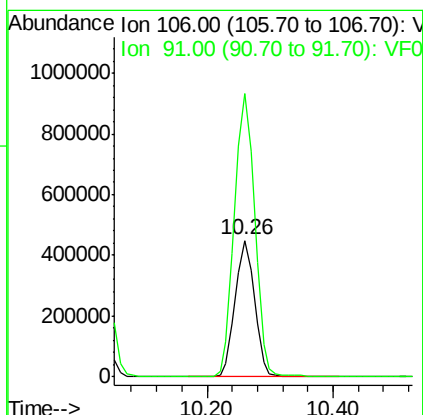
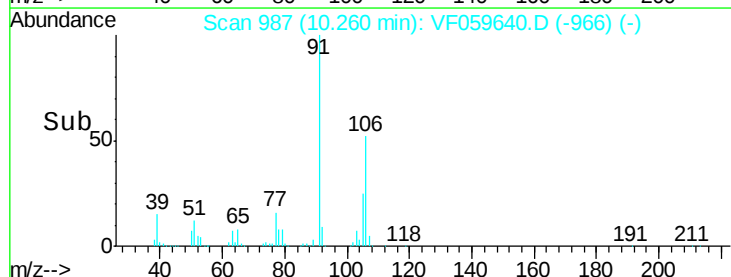
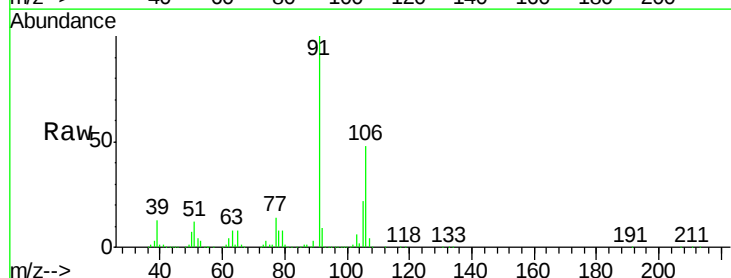
Acq: 24 Jul 2018 18:54

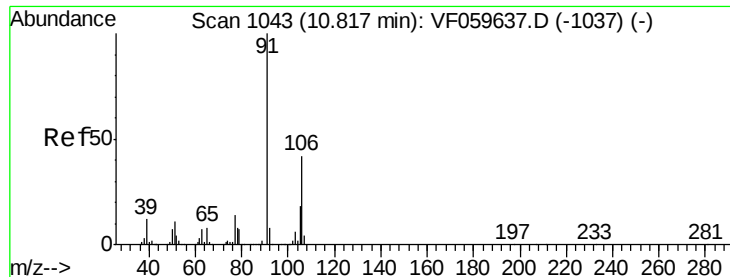
Tgt Ion: 106 Resp: 954458

Ion Ratio Lower Upper

106 100

91 207.7 177.8 266.8

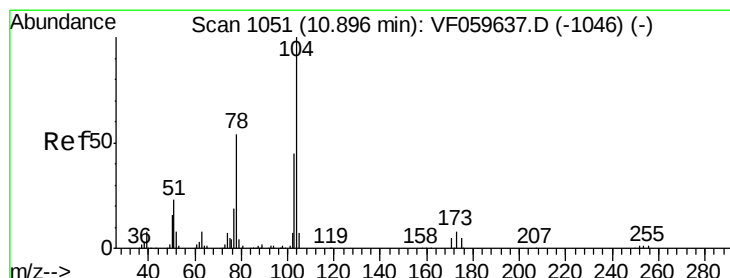
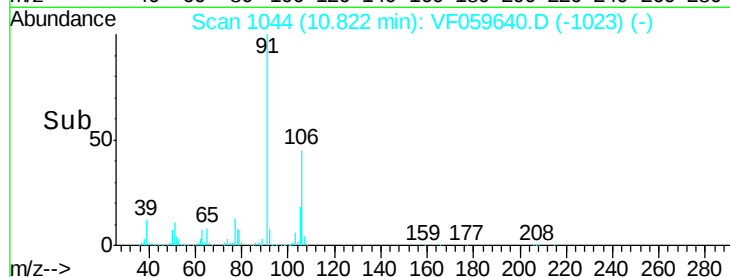
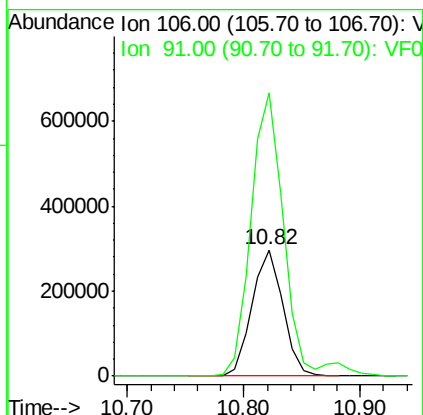
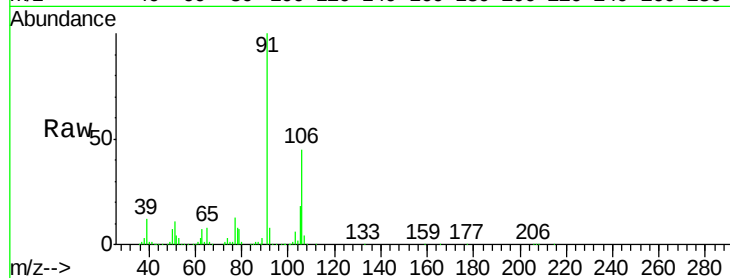




#69
o-Xylene
Concen: 136.158 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

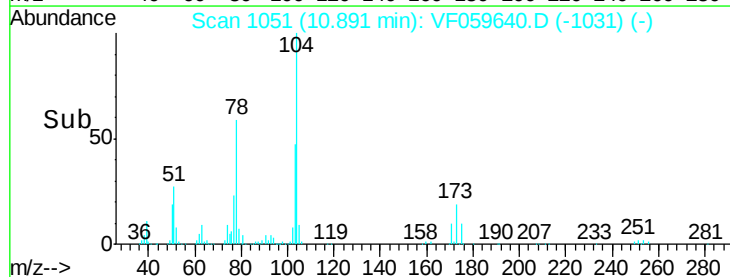
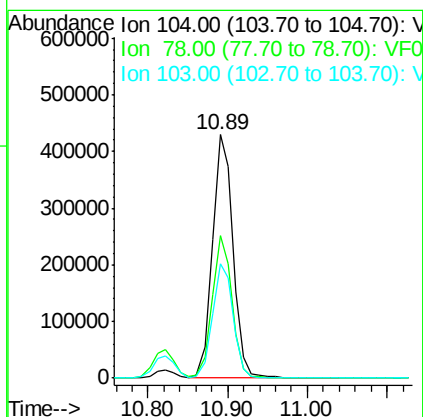
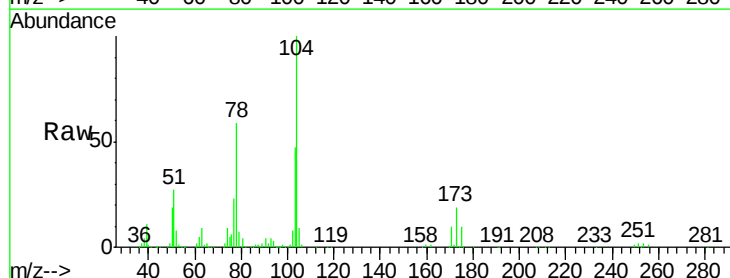
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

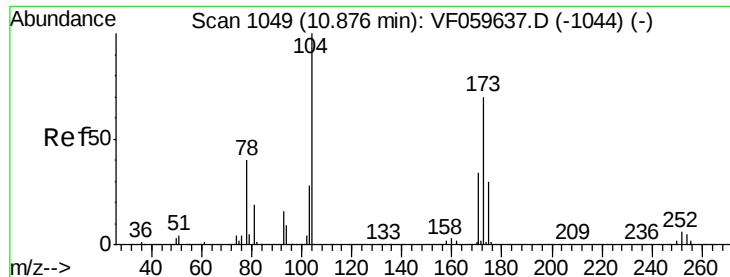
Tgt Ion:106 Resp: 548882
Ion Ratio Lower Upper
106 100
91 224.6 119.3 357.9



#70
Styrene
Concen: 129.664 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion:104 Resp: 778678
Ion Ratio Lower Upper
104 100
78 58.8 43.4 65.2
103 47.0 36.7 55.1





#71

Bromoform

Concen: 130.387 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

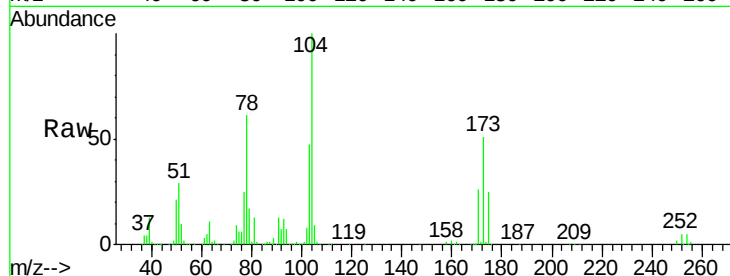
Tgt Ion:173 Resp: 216954

Ion Ratio Lower Upper

173 100

175 48.8 21.6 65.0

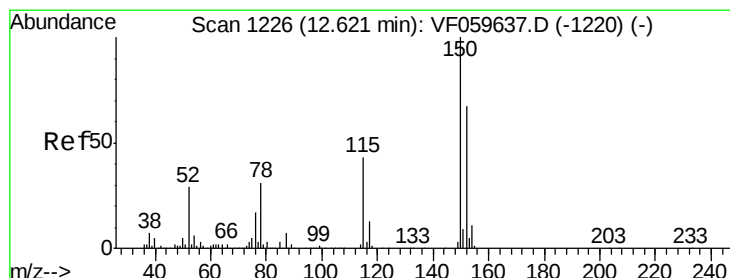
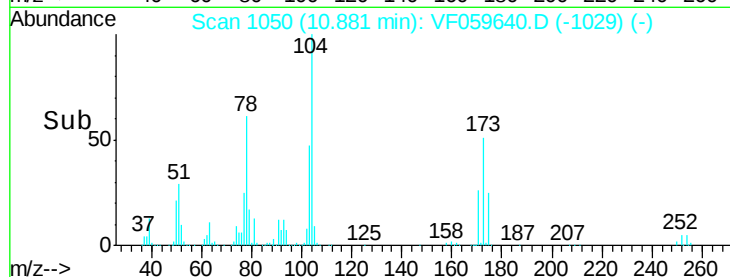
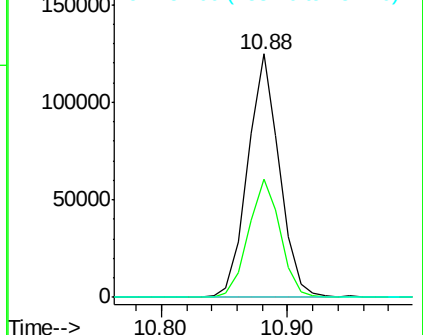
254 0.1 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

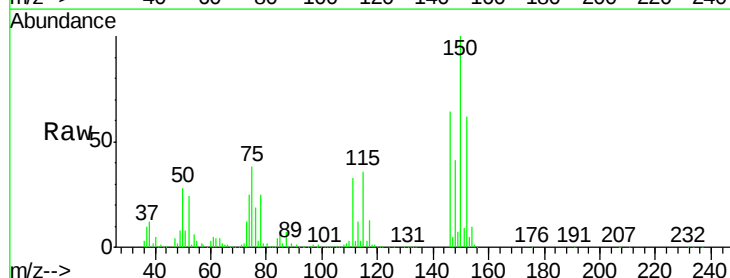
Tgt Ion:152 Resp: 196643

Ion Ratio Lower Upper

152 100

115 57.0 32.0 96.2

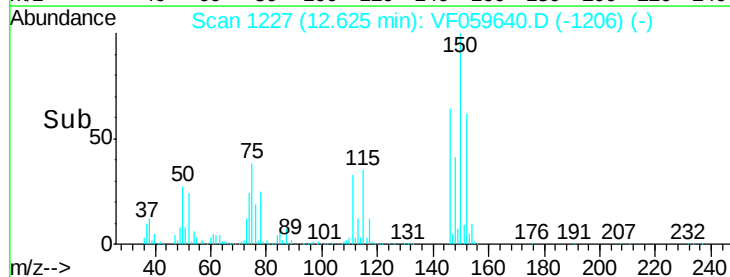
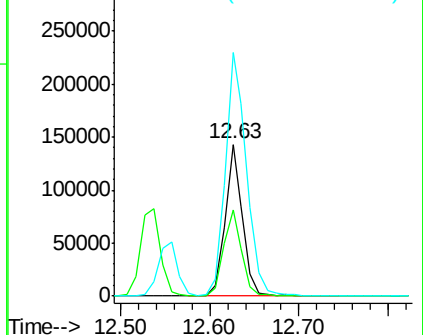
150 160.2 0.0 313.2

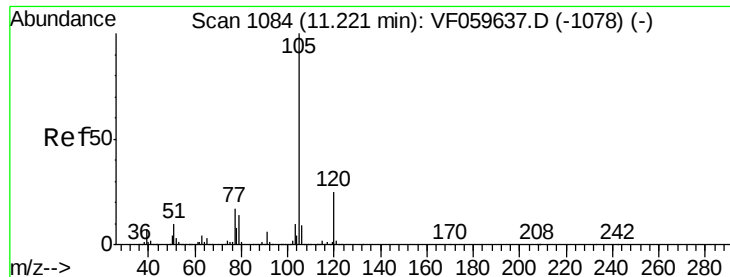


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 130.312 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

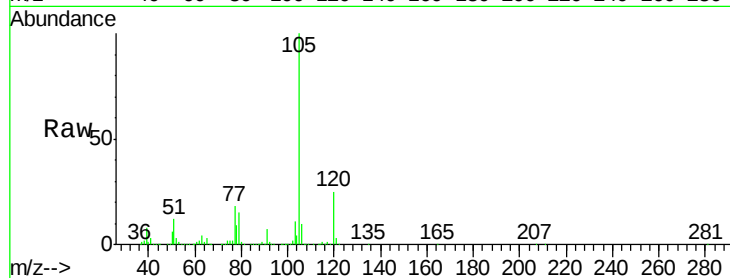
VSTDIC150

Tgt Ion:105 Resp: 1624515

Ion Ratio Lower Upper

105 100

120 25.2 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

800000

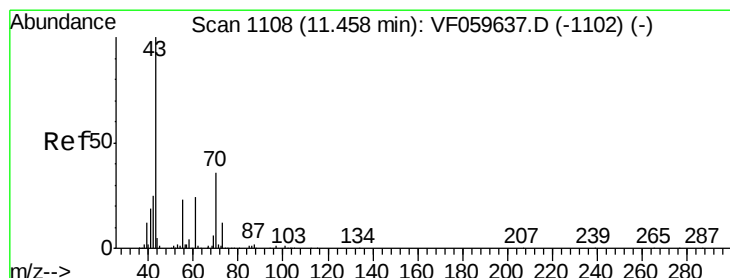
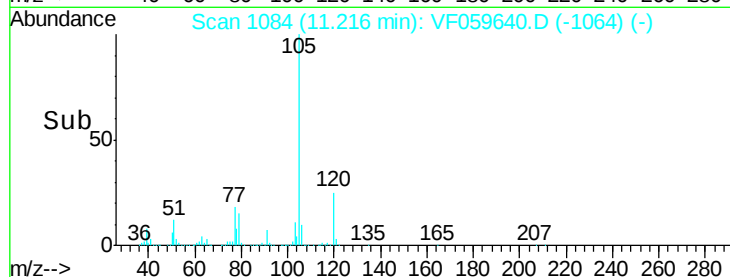
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 140.855 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion: 43 Resp: 385702

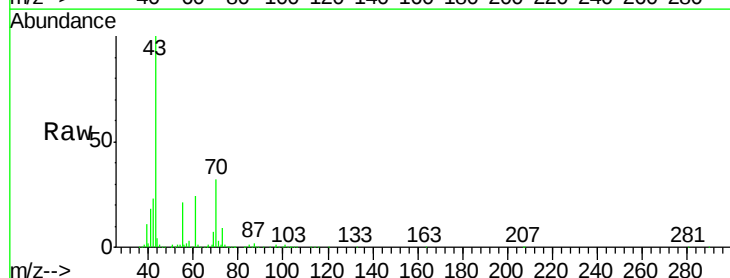
Ion Ratio Lower Upper

43 100

70 31.8 29.4 44.0

55 20.7 18.2 27.4

61 23.9 18.9 28.3



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

11.45

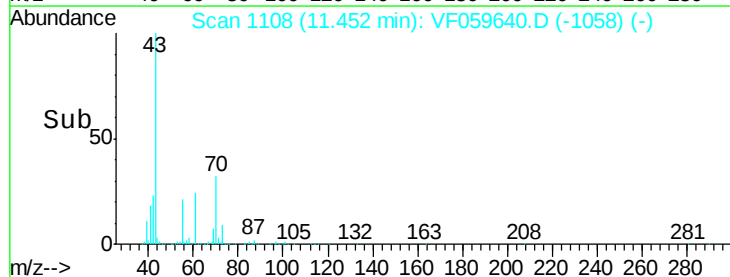
300000

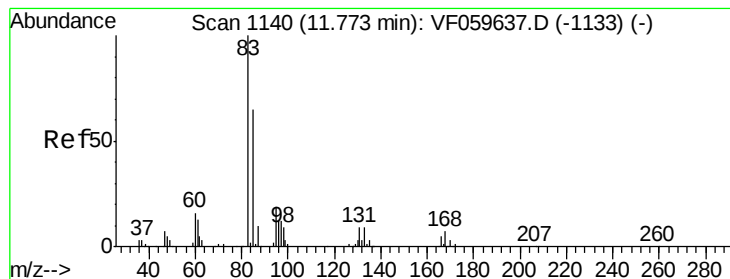
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 126.372 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

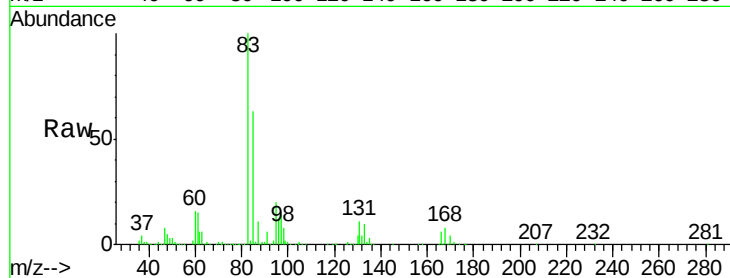
Tgt Ion: 83 Resp: 260423

Ion Ratio Lower Upper

83 100

131 11.1 4.5 13.5

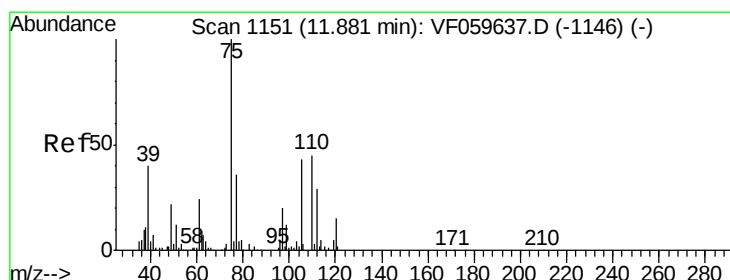
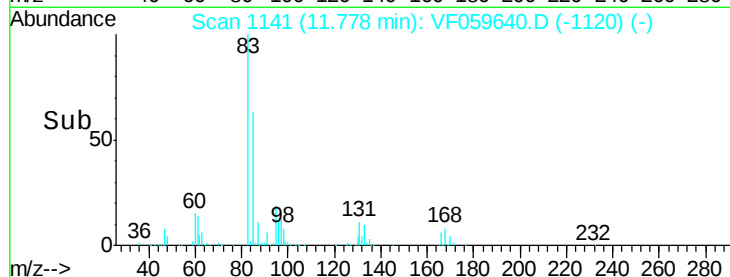
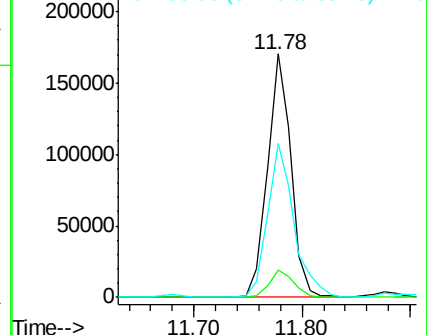
85 63.2 32.6 97.7



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: 117.418 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059640.D

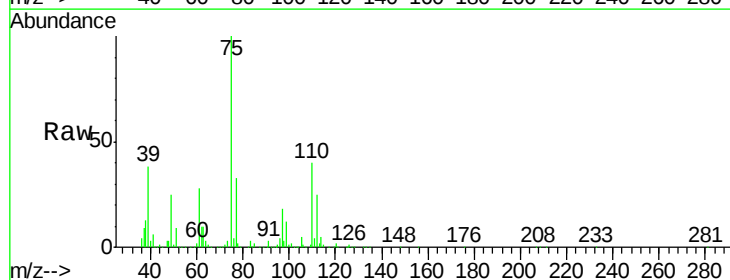
Acq: 24 Jul 2018 18:54

Tgt Ion: 75 Resp: 211923

Ion Ratio Lower Upper

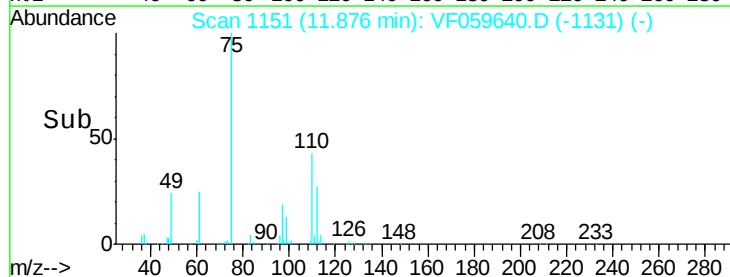
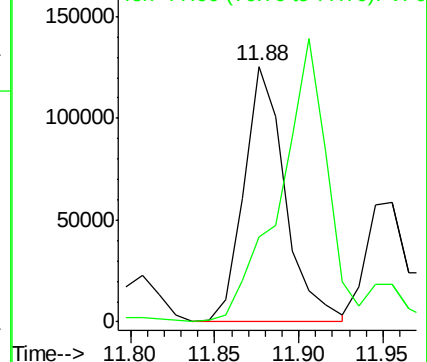
75 100

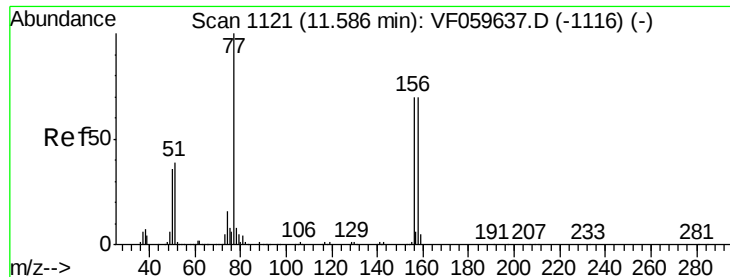
77 33.4 18.4 55.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 129.485 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

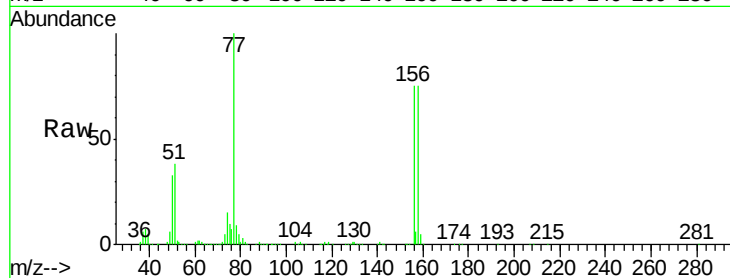
Tgt Ion: 156 Resp: 411726

Ion Ratio Lower Upper

156 100

77 132.7 71.5 214.3

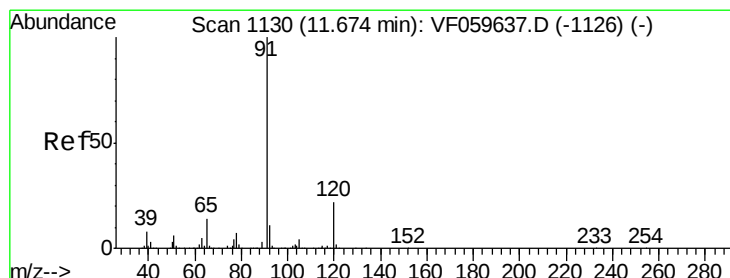
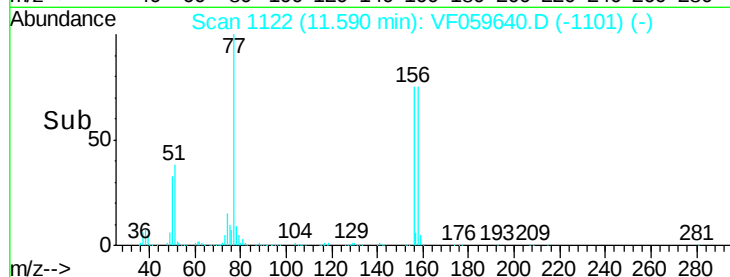
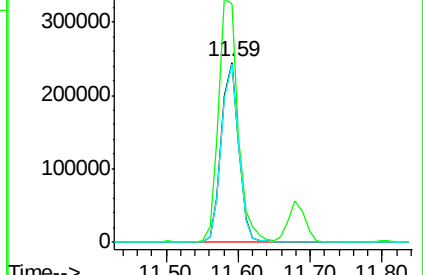
158 98.9 50.0 149.8



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: 122.977 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF059640.D

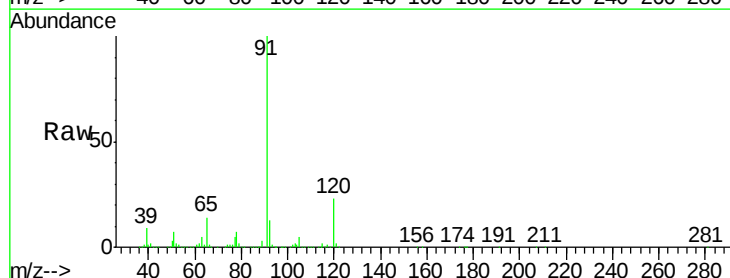
Acq: 24 Jul 2018 18:54

Tgt Ion: 91 Resp: 1828867

Ion Ratio Lower Upper

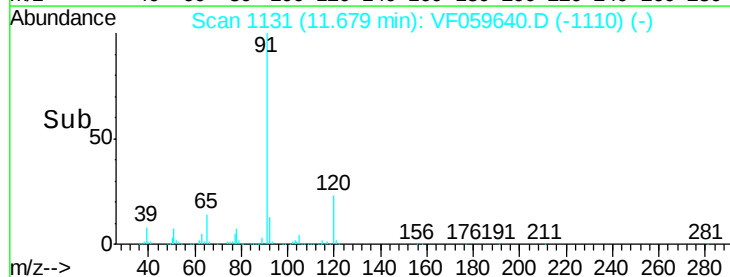
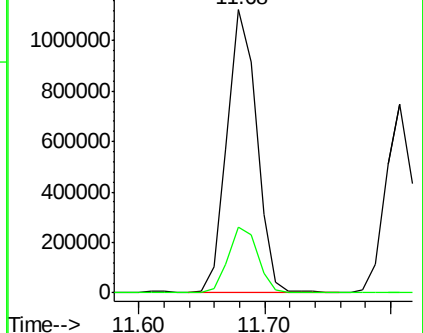
91 100

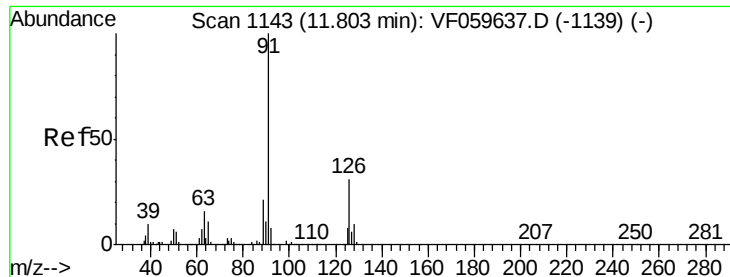
120 23.3 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

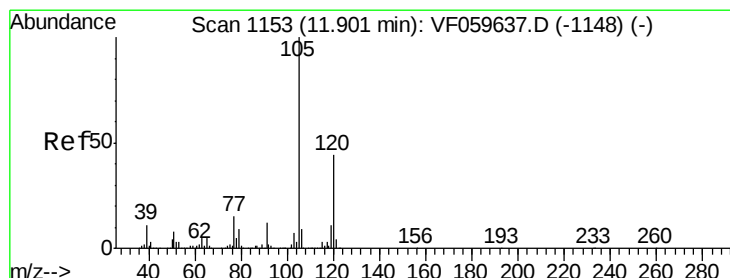
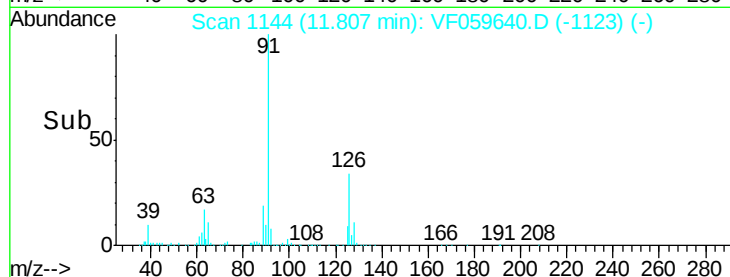
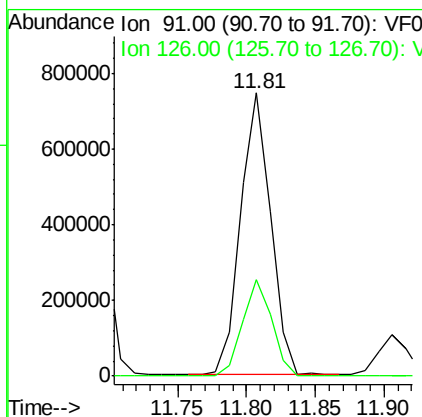
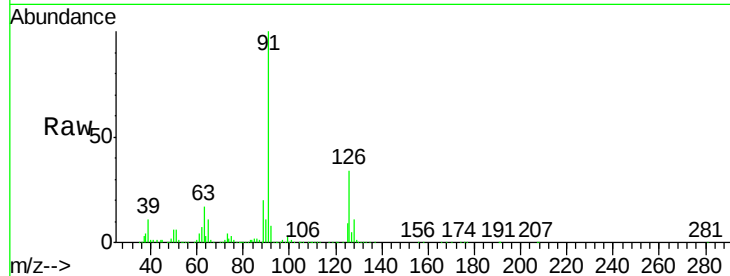




#79
 2-Chlorotoluene
 Concen: 127.095 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

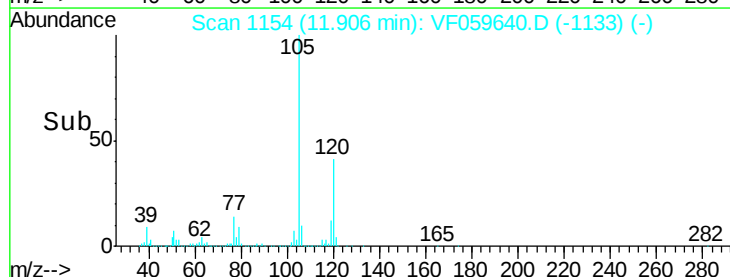
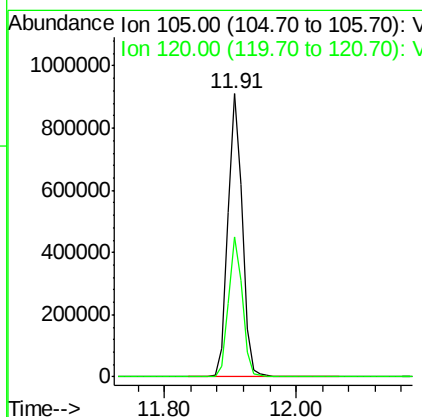
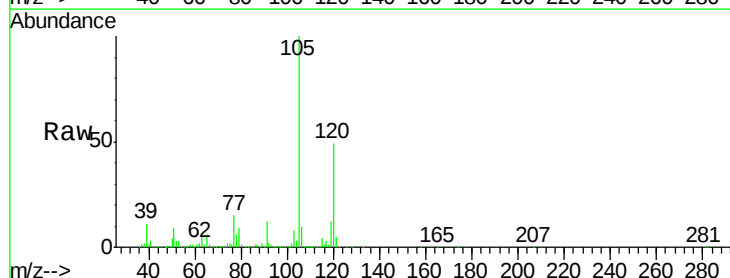
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

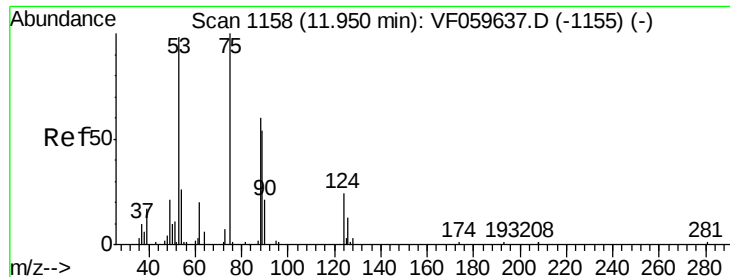
Tgt Ion: 91 Resp: 1136591
 Ion Ratio Lower Upper
 91 100
 126 34.1 15.4 46.4



#80
 1,3,5-Trimethylbenzene
 Concen: 124.800 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion: 105 Resp: 1396249
 Ion Ratio Lower Upper
 105 100
 120 49.4 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 186.031 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

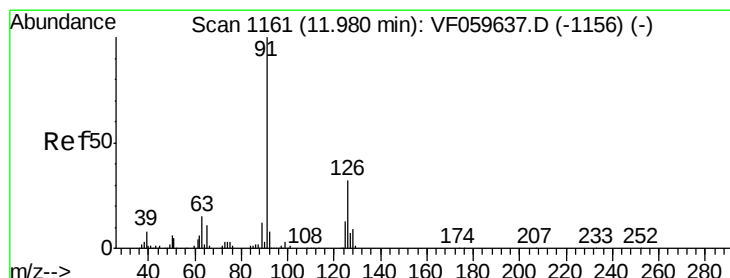
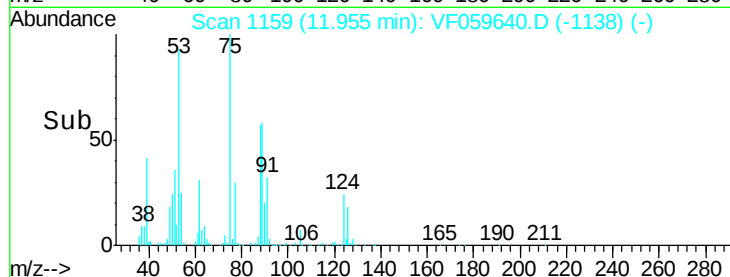
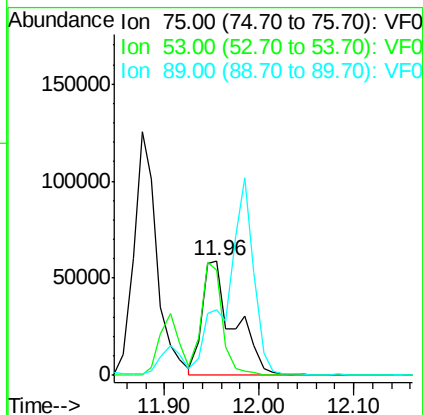
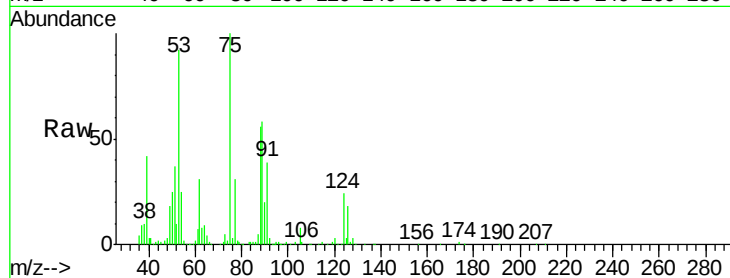
Tgt Ion: 75 Resp: 138993

Ion Ratio Lower Upper

75 100

53 92.3 82.3 123.5

89 57.7 48.2 72.2



#82

4-Chlorotoluene

Concen: 124.515 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059640.D

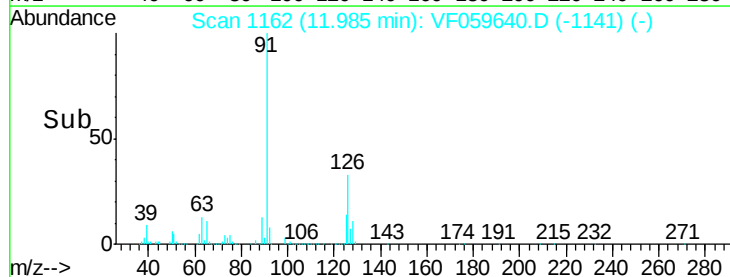
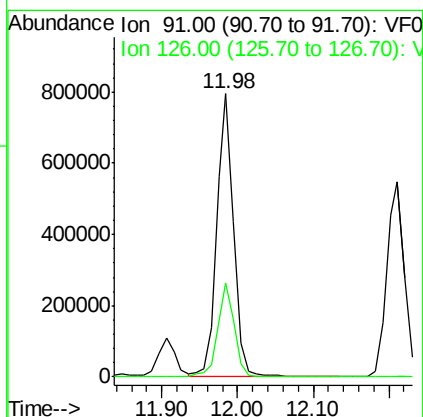
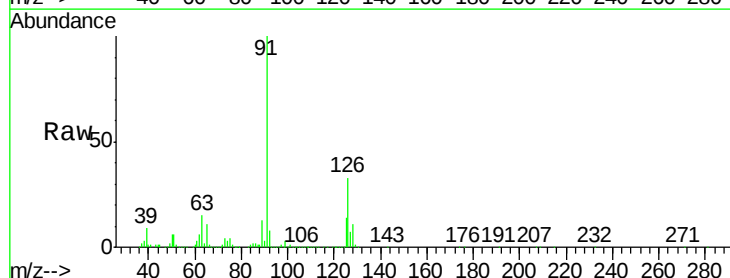
Acq: 24 Jul 2018 18:54

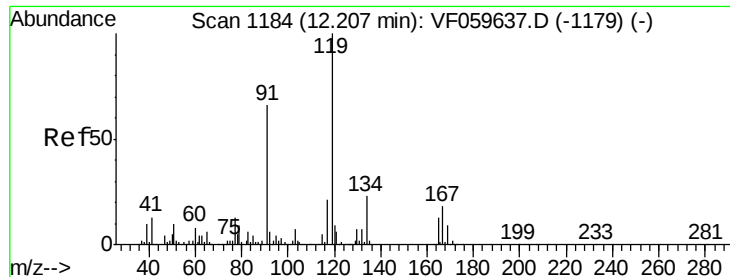
Tgt Ion: 91 Resp: 1234046

Ion Ratio Lower Upper

91 100

126 33.3 16.1 48.2





#83

tert-Butylbenzene

Concen: 122.410 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

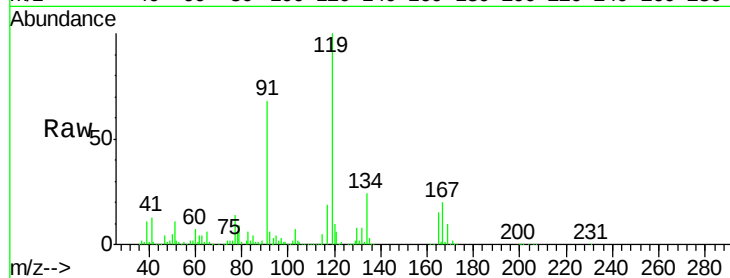
Tgt Ion:119 Resp: 1352613

Ion Ratio Lower Upper

119 100

91 67.8 33.2 99.6

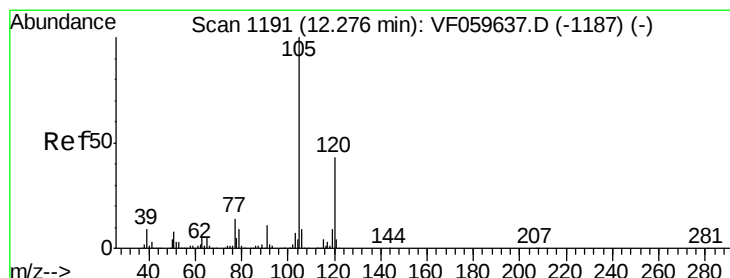
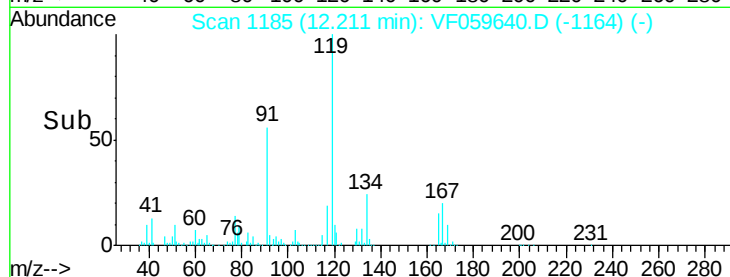
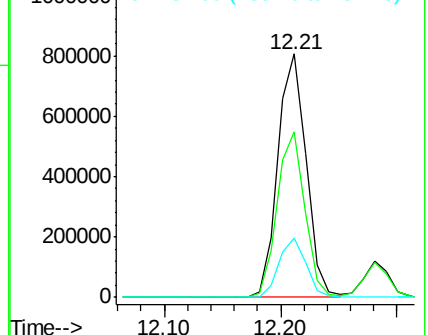
134 24.2 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 126.561 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF059640.D

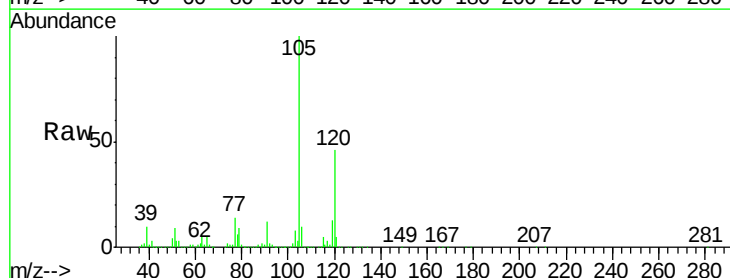
Acq: 24 Jul 2018 18:54

Tgt Ion:105 Resp: 1434195

Ion Ratio Lower Upper

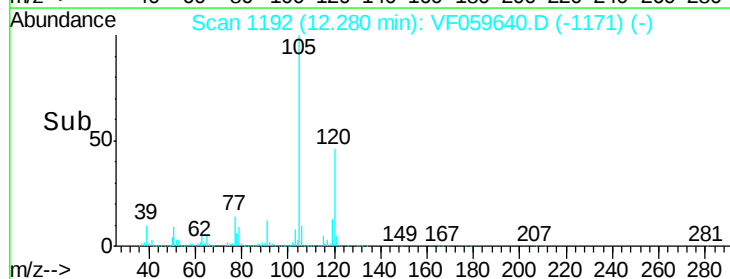
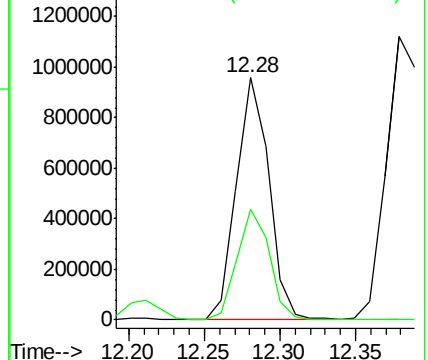
105 100

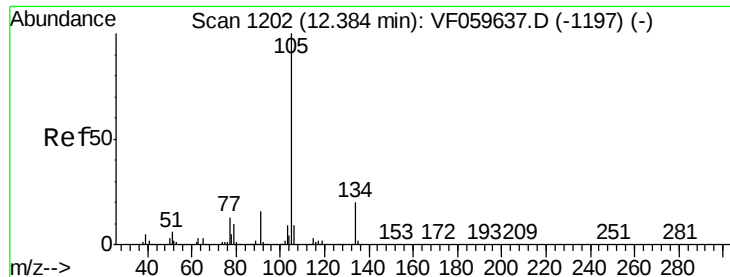
120 45.8 21.4 64.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 129.689 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

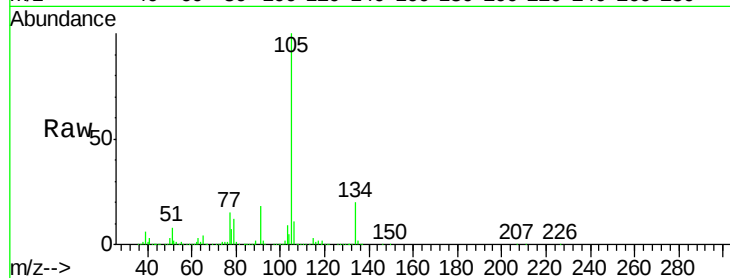
VSTDIC150

Tgt Ion:105 Resp: 1860496

Ion Ratio Lower Upper

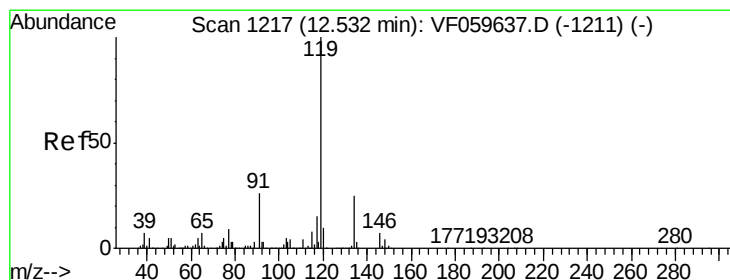
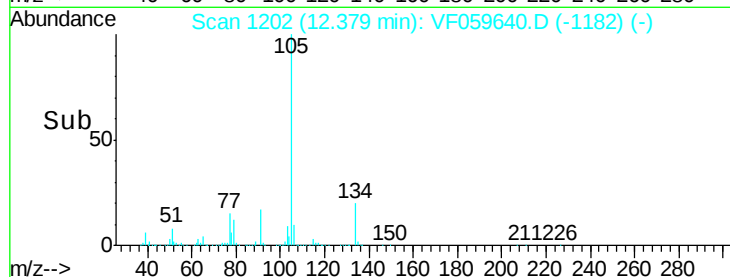
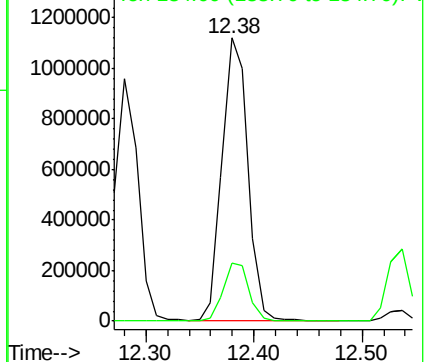
105 100

134 20.3 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 126.610 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

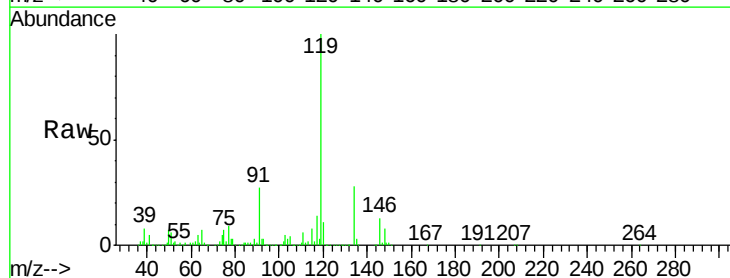
Tgt Ion:119 Resp: 1589960

Ion Ratio Lower Upper

119 100

134 27.6 12.4 37.0

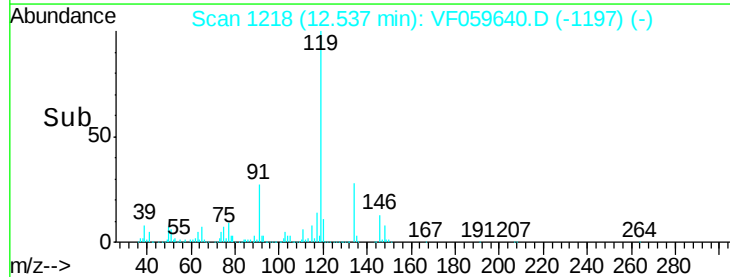
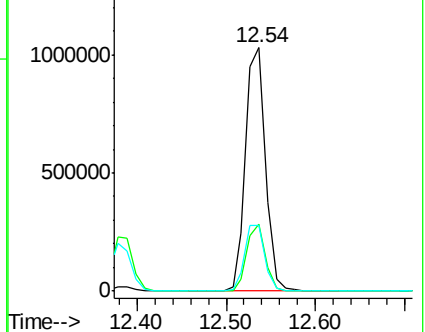
91 26.8 13.1 39.1

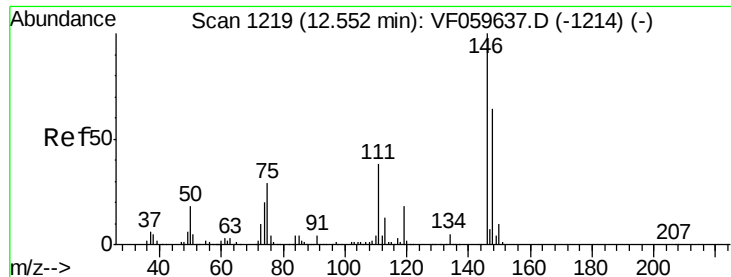


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

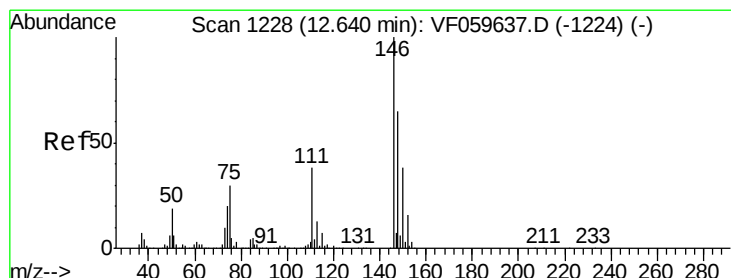
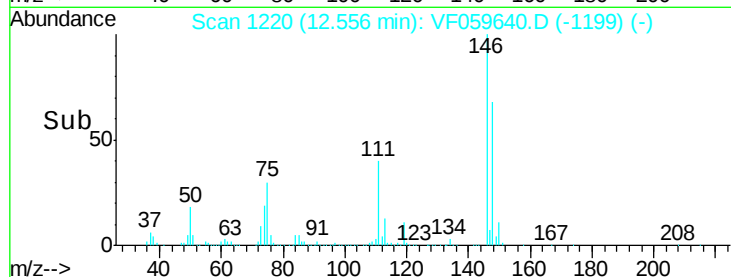
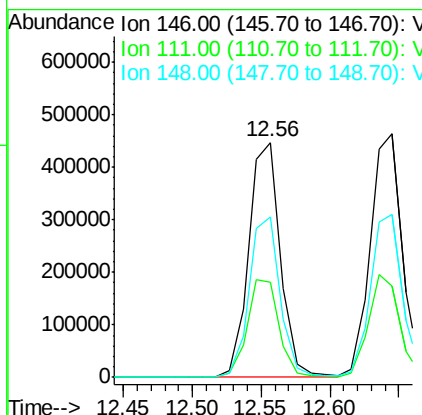
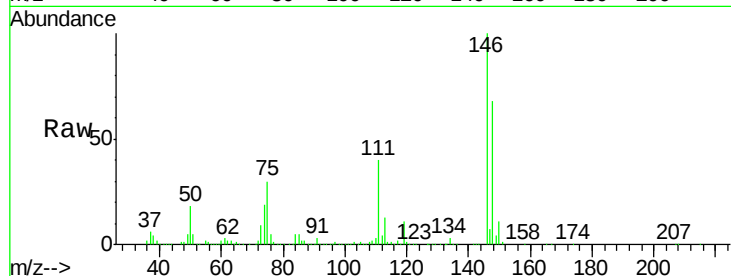




#87
 1,3-Dichlorobenzene
 Concen: 116.591 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

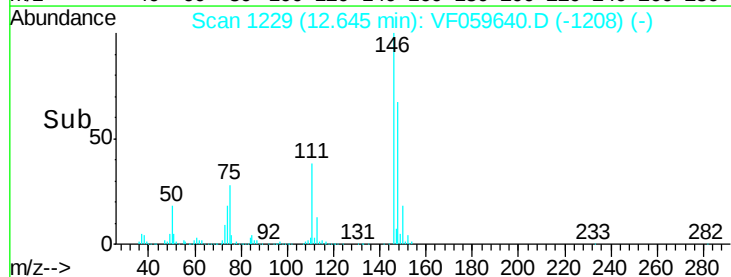
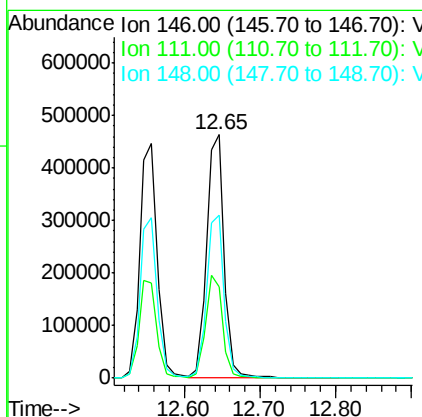
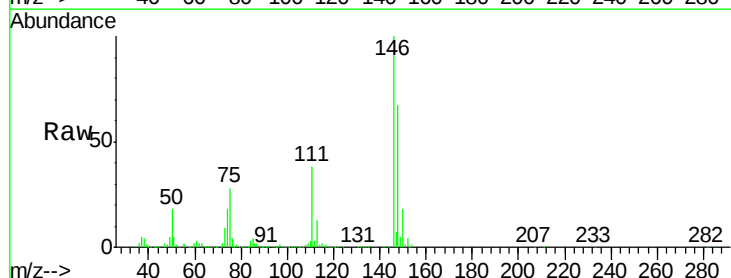
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

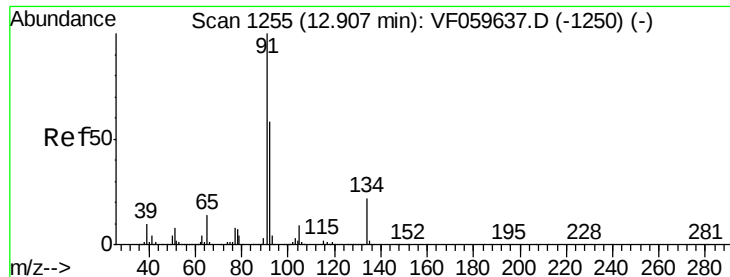
Tgt Ion:146 Resp: 720017
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.1 57.1
 148 68.2 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 130.815 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion:146 Resp: 753113
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.1 57.1
 148 66.9 32.4 97.2





#89

n-Butylbenzene

Concen: 125.440 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

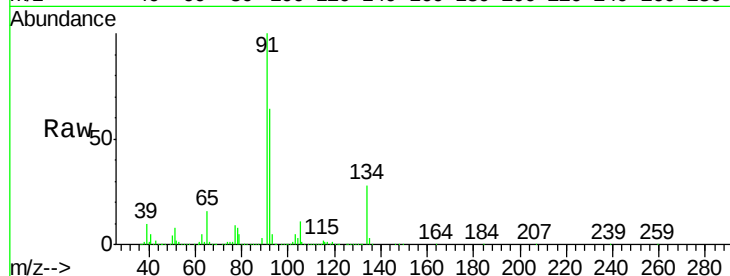
Tgt Ion: 91 Resp: 1513299

Ion Ratio Lower Upper

91 100

92 63.5 29.1 87.3

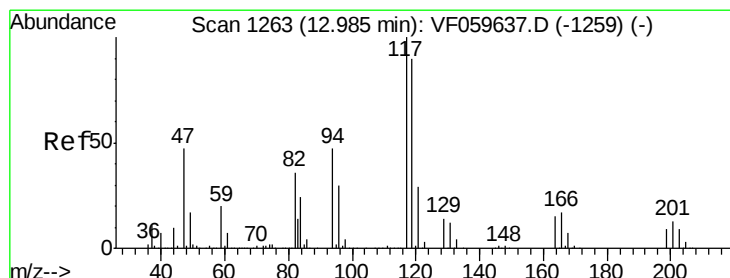
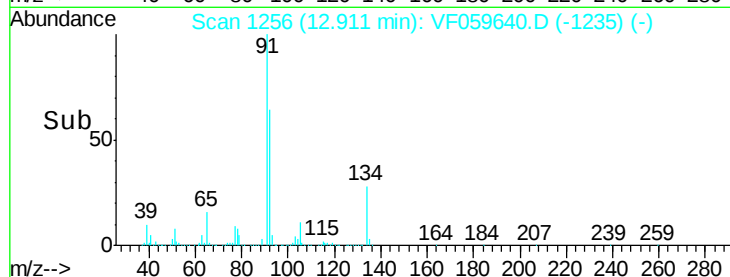
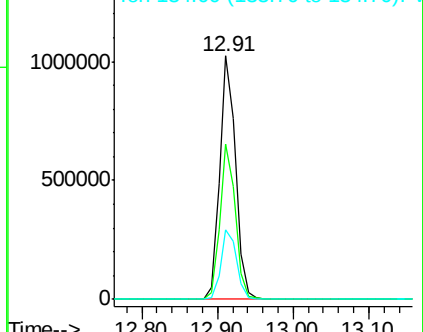
134 28.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 130.285 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059640.D

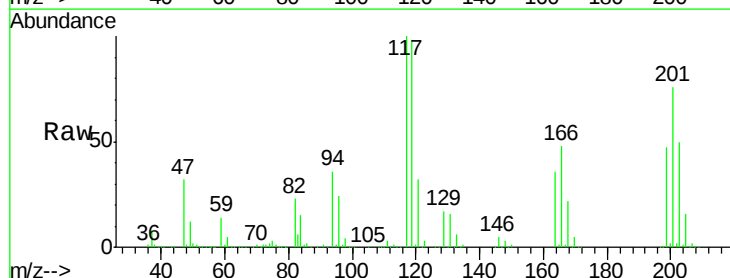
Acq: 24 Jul 2018 18:54

Tgt Ion: 117 Resp: 408446

Ion Ratio Lower Upper

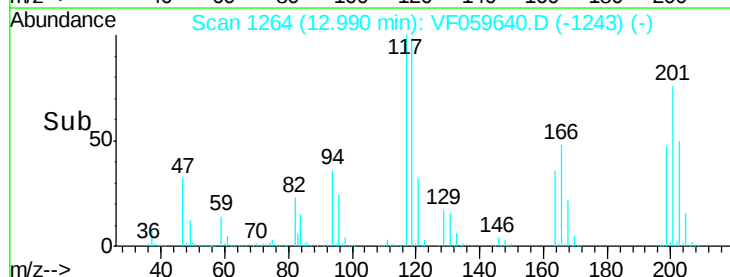
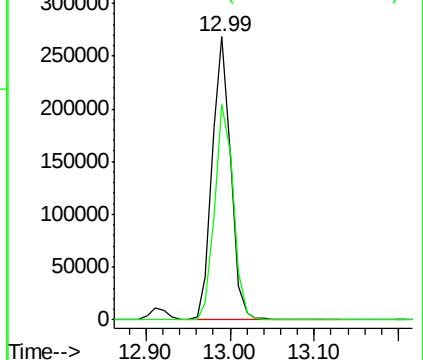
117 100

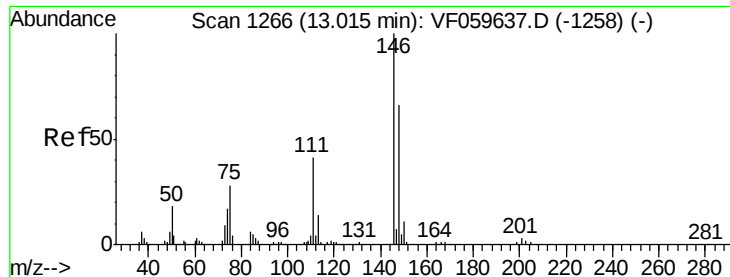
201 76.3 6.6 19.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

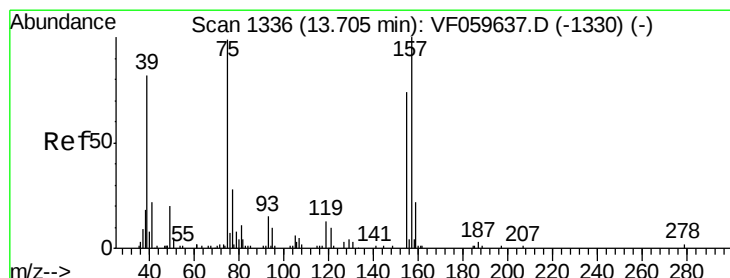
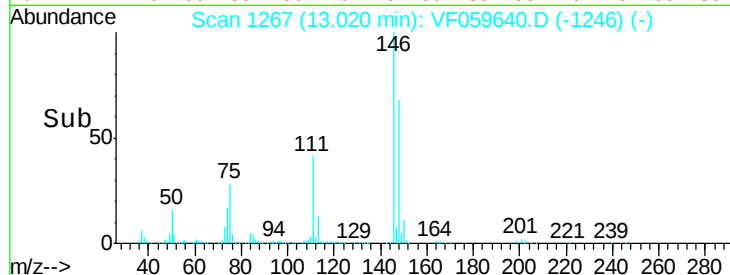
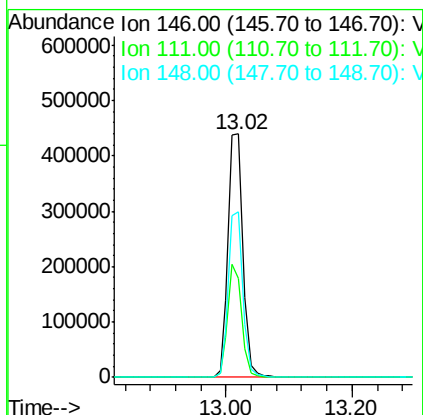
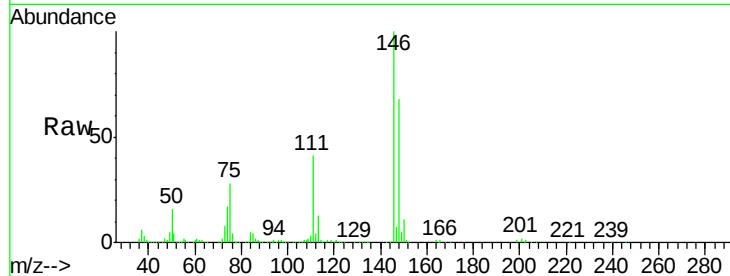




#91
 1,2-Dichlorobenzene
 Concen: 123.444 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

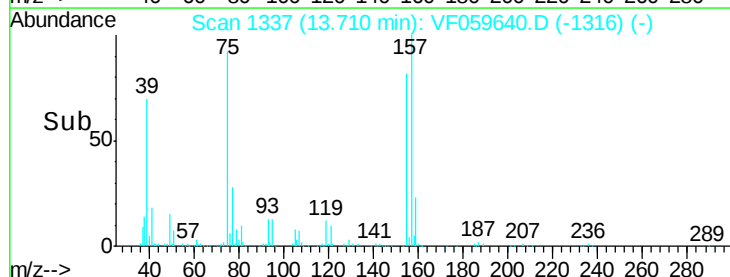
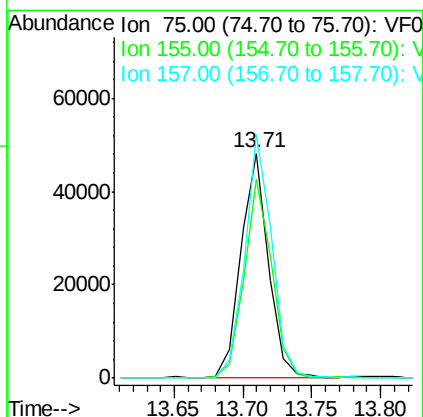
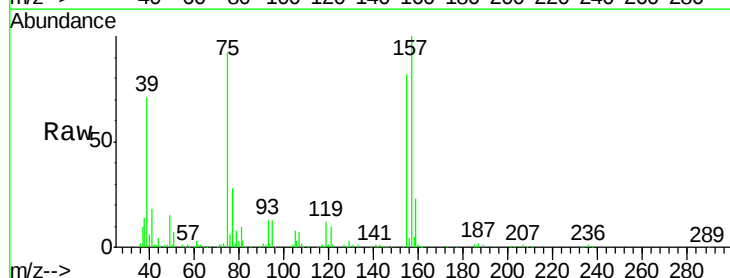
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

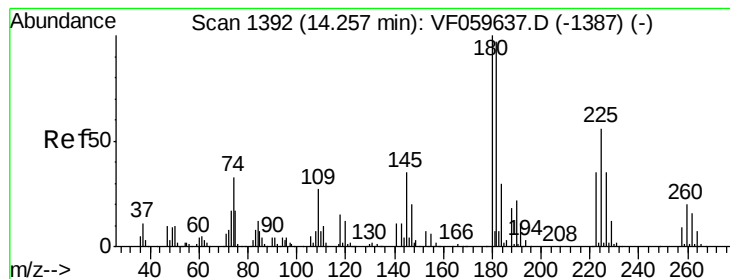
Tgt Ion:146 Resp: 717243
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.3 61.0
 148 68.1 32.9 98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 134.577 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion: 75 Resp: 67471
 Ion Ratio Lower Upper
 75 100
 155 88.5 37.5 112.7
 157 108.3 50.6 151.9





#93

1,2,4-Trichlorobenzene

Concen: 124.753 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

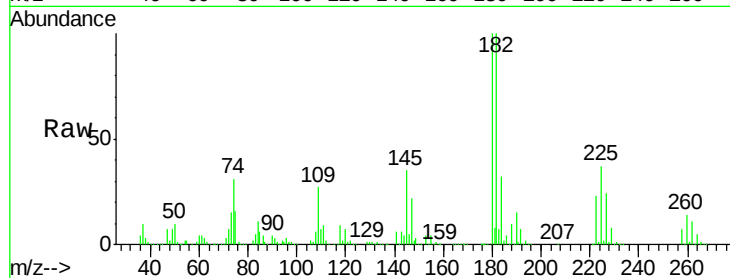
Tgt Ion:180 Resp: 541648

Ion Ratio Lower Upper

180 100

182 99.5 48.5 145.6

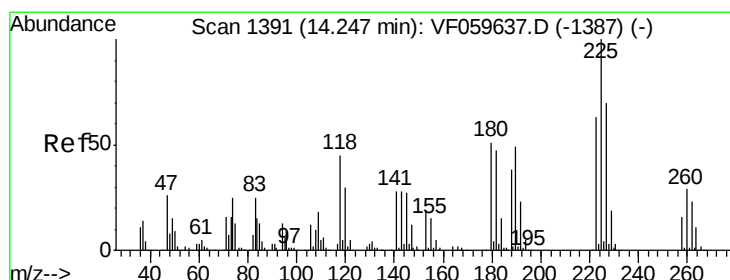
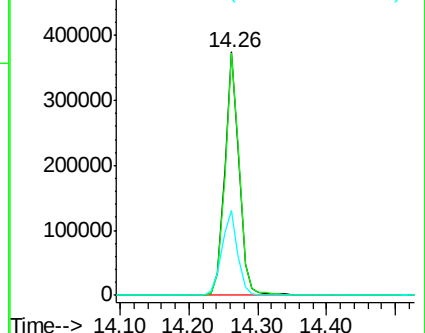
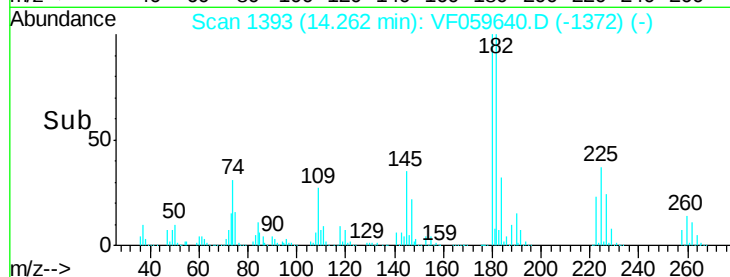
145 34.8 17.4 52.2



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: 135.516 ug/l

RT: 14.25 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

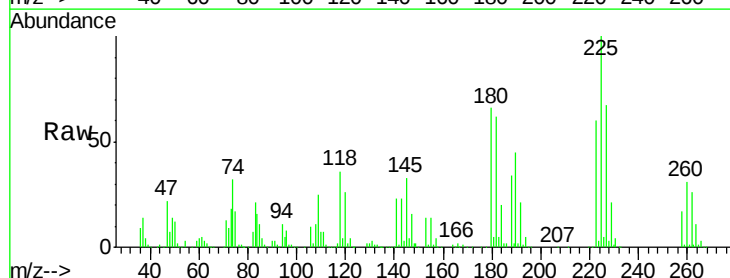
Tgt Ion:225 Resp: 410691

Ion Ratio Lower Upper

225 100

223 60.3 33.3 99.8

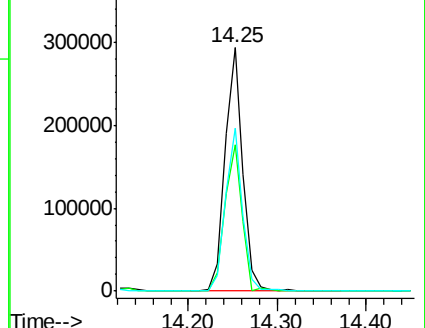
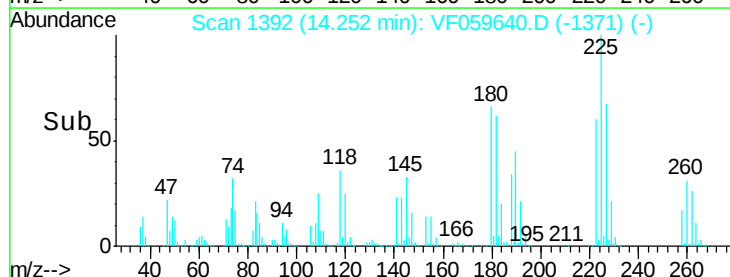
227 66.8 34.8 104.4

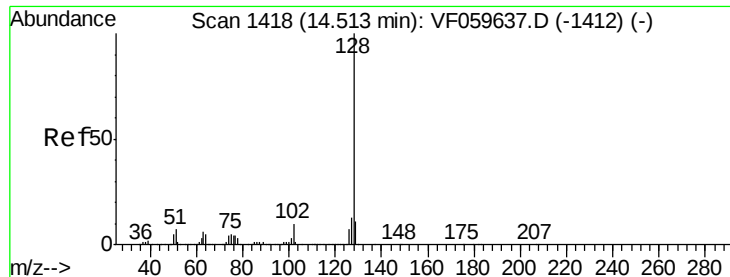


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

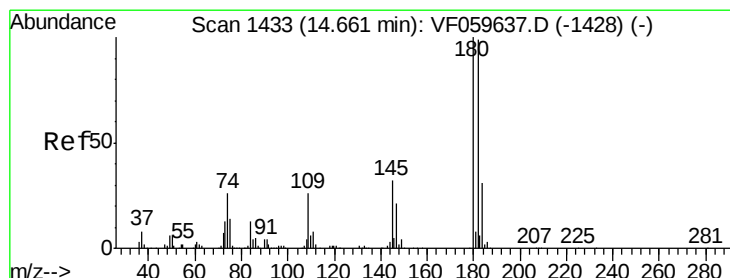
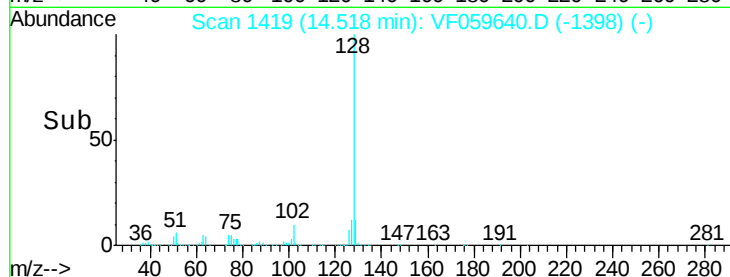
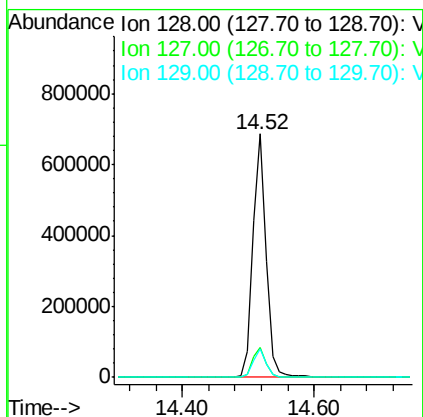
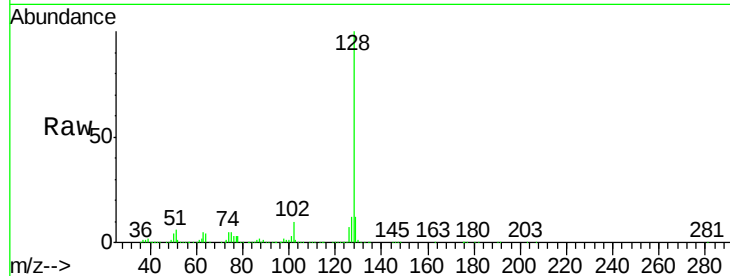




#95
Naphthalene
Concen: 138.442 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 968953
Ion Ratio Lower Upper
128 100
127 12.3 10.1 15.1
129 11.8 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 133.192 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion:180 Resp: 524305
Ion Ratio Lower Upper
180 100
182 100.9 49.5 148.5
145 32.2 16.0 48.0

