

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059643.D
 Acq On : 24 Jul 2018 21:12
 Operator : VA/AP
 Sample : VF0724SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 93 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 25 05:10:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	246267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	330144	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	314738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	205072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	168224	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	4.28	113	160189	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
50) Toluene-d8	7.70	98	392790	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
62) 4-Bromofluorobenzene	11.50	95	192432	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	60997	21.157	ug/l	93
3) Chloromethane	1.07	50	32623	21.569	ug/l	91
4) Vinyl Chloride	1.15	62	34654	21.769	ug/l	99
5) Bromomethane	1.33	94	25246	20.215	ug/l	100
6) Chloroethane	1.41	64	18345	19.162	ug/l	97
7) Trichlorofluoromethane	1.48	101	30381	7.032	ug/l	99
8) Diethyl Ether	1.70	74	12127	20.160	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.88	101	52424	23.254	ug/l	96
10) Methyl Iodide	1.92	142	75926	21.338	ug/l	98
11) Tert butyl alcohol	2.67	59	13288	103.987	ug/l #	84
12) 1,1-Dichloroethene	1.84	96	37246	22.002	ug/l	83
13) Acrolein	2.08	56	4479	71.490	ug/l	83
14) Allyl chloride	2.18	41	60650	20.766	ug/l	99
15) Acrylonitrile	3.07	53	21268	96.692	ug/l #	84
16) Acetone	2.33	43	45480	84.827	ug/l	95
17) Carbon Disulfide	1.83	76	104485	24.119	ug/l	98
18) Methyl Acetate	2.45	43	16182	17.427	ug/l	93
19) Methyl tert-butyl Ether	2.53	73	92429	20.808	ug/l	99
20) Methylene Chloride	2.27	84	34773	21.085	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	37918	21.429	ug/l	93
22) Diisopropyl ether	2.92	45	115351	20.591	ug/l	97
23) Vinyl Acetate	3.32	43	256932	99.422	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	88467	22.199	ug/l	99
25) 2-Butanone	4.50	43	65696	102.081	ug/l	96
26) 2,2-Dichloropropane	3.75	77	64425	19.555	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	44314	20.462	ug/l	95
28) Bromochloromethane	3.87	49	29883	20.562	ug/l	91
29) Tetrahydrofuran	4.24	42	23476	87.882	ug/l	99
30) Chloroform	4.02	83	116410	21.055	ug/l	95
31) Cyclohexane	3.84	56	56748	24.464	ug/l	91
32) 1,1,1-Trichloroethane	4.26	97	102966	21.853	ug/l	99
36) 1,1-Dichloropropene	4.45	75	76625	22.654	ug/l	95
37) Ethyl Acetate	4.28	43	27934	21.524	ug/l #	89
38) Carbon Tetrachloride	4.15	117	107282	22.984	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	69672	25.397	ug/l	98
40) Benzene	4.79	78	142568	22.785	ug/l	100
41) Methacrylonitrile	4.90	41	13473	21.295	ug/l	92
42) 1,2-Dichloroethane	5.11	62	77822	20.990	ug/l	98
43) Isopropyl Acetate	7.10	43	28190	18.950	ug/l #	90
44) Trichloroethene	5.66	130	54284	23.505	ug/l	95
45) 1,2-Dichloropropane	6.40	63	35689	22.528	ug/l	98
46) Dibromomethane	6.24	93	26957	20.145	ug/l	92
47) Bromodichloromethane	6.54	83	83679	21.388	ug/l	92
48) Methyl methacrylate	6.86	41	21482	19.617	ug/l	98
49) 1,4-Dioxane	6.85	88	3452	409.632	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	107515	98.334	ug/l	95
52) Toluene	7.77	92	96011	21.700	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	61883	19.850	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	69340	21.041	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	29540	21.174	ug/l	97
56) Ethyl methacrylate	8.74	69	29431	19.735	ug/l	89
57) 1,3-Dichloropropane	8.99	76	50357	21.083	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	20073	104.863	ug/l	100
59) 2-Hexanone	9.62	43	77331	92.617	ug/l	90
60) Dibromochloromethane	8.85	129	52280	20.268	ug/l	99
61) 1,2-Dibromoethane	9.13	107	31596	18.547	ug/l	98
64) Tetrachloroethene	8.29	164	57606	23.098	ug/l #	92
65) Chlorobenzene	9.93	112	123231	21.133	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	55503	20.533	ug/l	96
67) Ethyl Benzene	10.03	91	234207	22.351	ug/l	99
68) m/p-Xylenes	10.26	106	172440	46.059	ug/l	97
69) o-Xylene	10.82	106	89874	22.551	ug/l	96
70) Styrene	10.89	104	123762	21.503	ug/l	97
71) Bromoform	10.88	173	30771	20.221	ug/l	88
73) Isopropylbenzene	11.22	105	292443	22.690	ug/l	97
74) N-amyl acetate	11.45	43	50906	18.420	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	40060	20.525	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	32979	20.457	ug/l	98
77) Bromobenzene	11.59	156	68616	21.762	ug/l	84
78) n-propylbenzene	11.68	91	343588	22.395	ug/l	98
79) 2-Chlorotoluene	11.81	91	198591	21.508	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	251632	21.976	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	20056	20.211	ug/l #	92
82) 4-Chlorotoluene	11.99	91	211935	21.510	ug/l	100
83) tert-Butylbenzene	12.20	119	250044	21.660	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	252481	21.483	ug/l	97
85) sec-Butylbenzene	12.38	105	334784	21.752	ug/l	100
86) p-Isopropyltoluene	12.53	119	289920	21.638	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	131726	20.633	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	127701	20.890	ug/l	96
89) n-Butylbenzene	12.91	91	297210	22.488	ug/l	97
90) Hexachloroethane	12.99	117	68195	20.864	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	123504	20.962	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	8998	17.878	ug/l	70

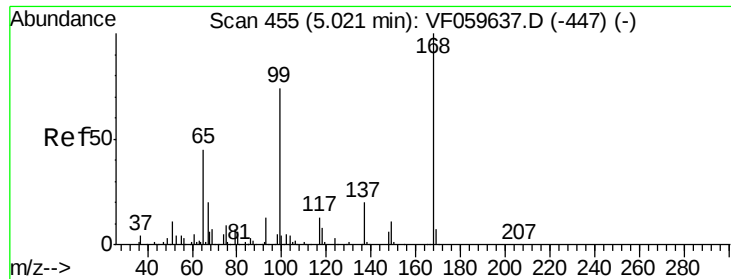
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	93622	18.830	ug/l	97
94) Hexachlorobutadiene	14.25	225	69953	20.552	ug/l	95
95) Naphthalene	14.52	128	138852	19.019	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	81581	19.599	ug/l	99

(#) = 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. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

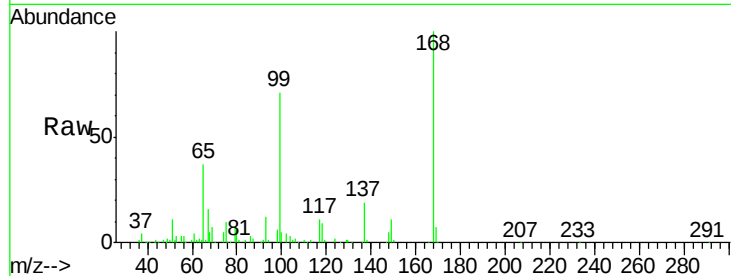
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 246267

Ion Ratio Lower Upper

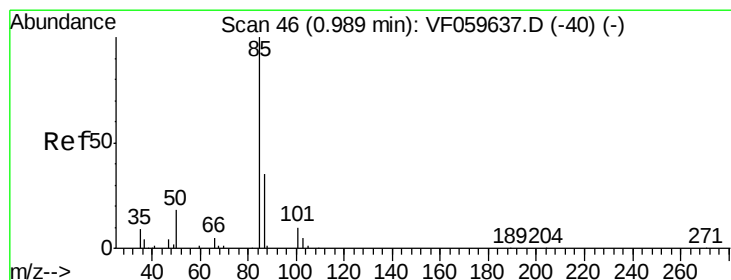
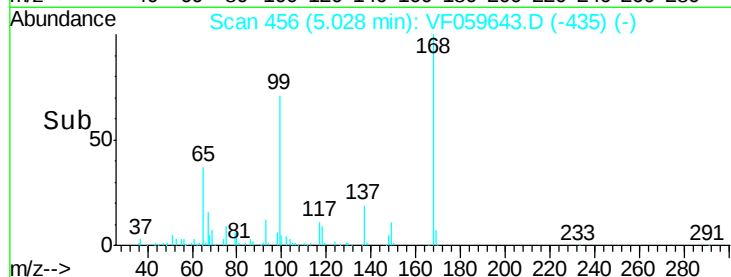
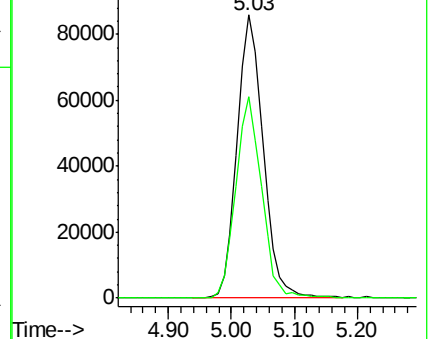
168 100

99 71.1 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: 21.157 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059643.D

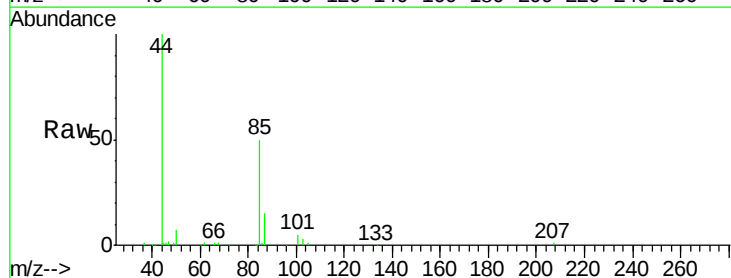
Acq: 24 Jul 2018 21:12

Tgt Ion: 85 Resp: 60997

Ion Ratio Lower Upper

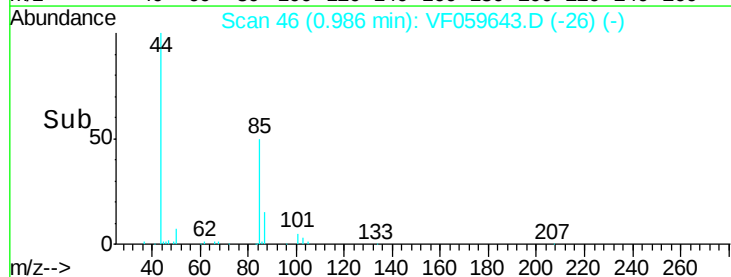
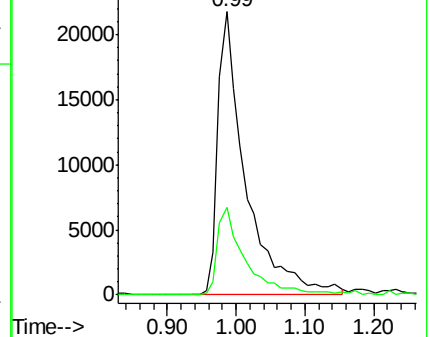
85 100

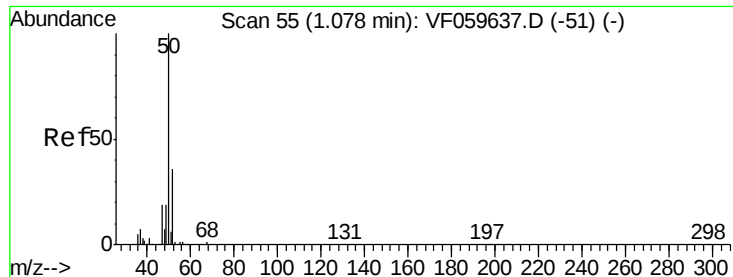
87 30.9 17.4 52.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 21.569 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

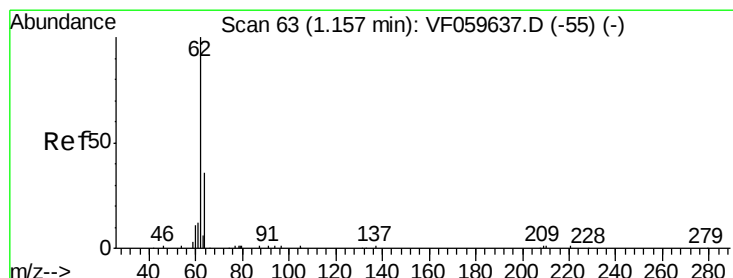
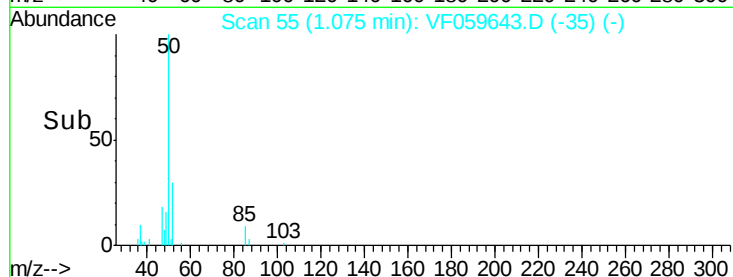
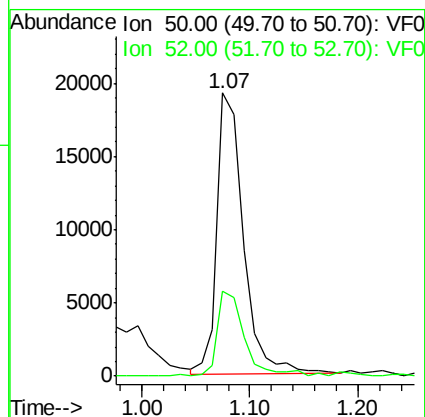
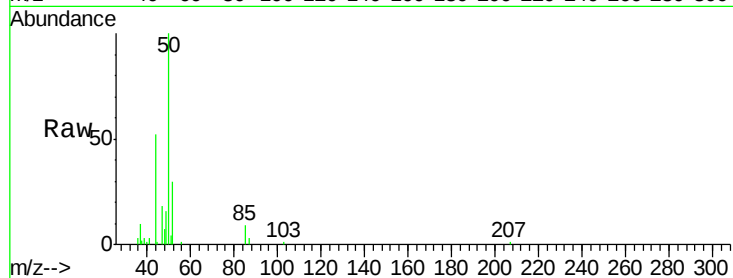
ClientSampleId :

Tot Ion: 50 Resp: 32623

Ion Ratio Lower Upper

50 100

52 29.8 28.0 42.0



#4

Vinyl Chloride

Concen: 21.769 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059643.D

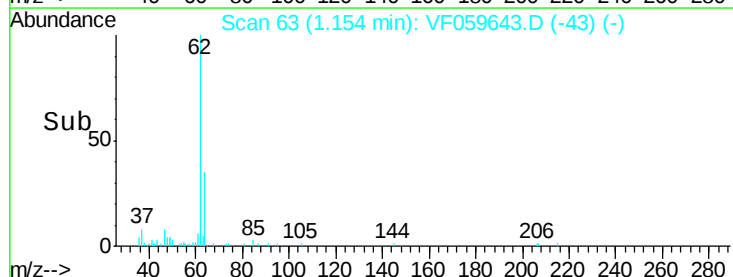
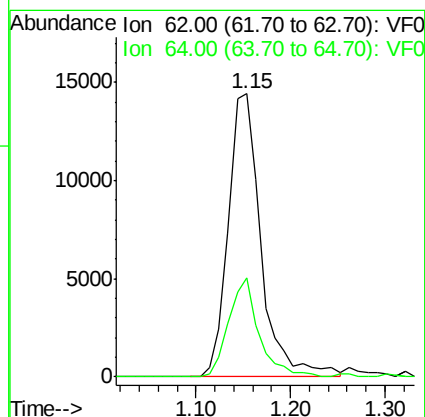
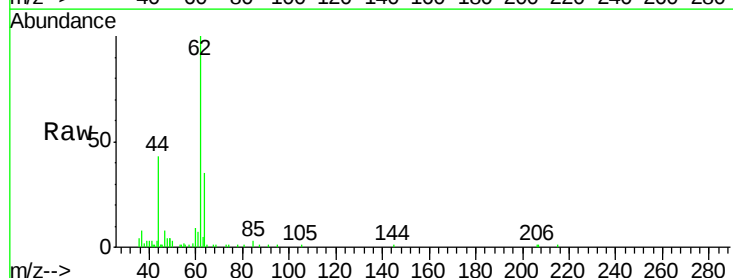
Acq: 24 Jul 2018 21:12

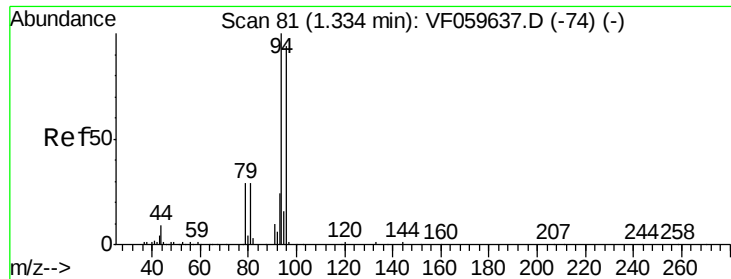
Tgt Ion: 62 Resp: 34654

Ion Ratio Lower Upper

62 100

64 35.2 28.6 43.0





#5

Bromomethane

Concen: 20.215 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

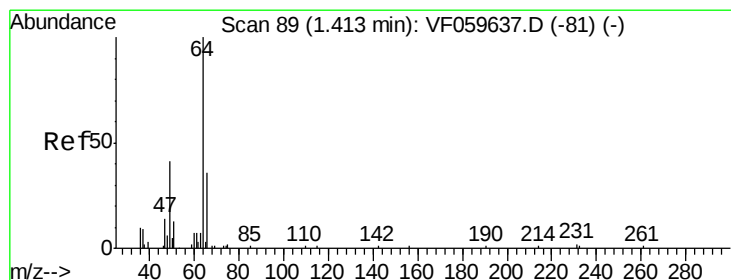
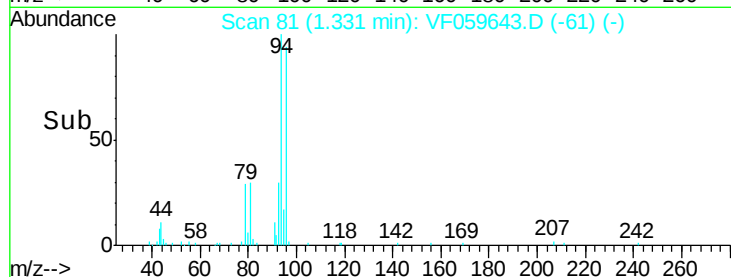
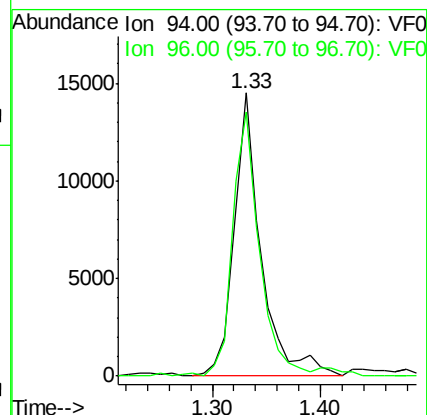
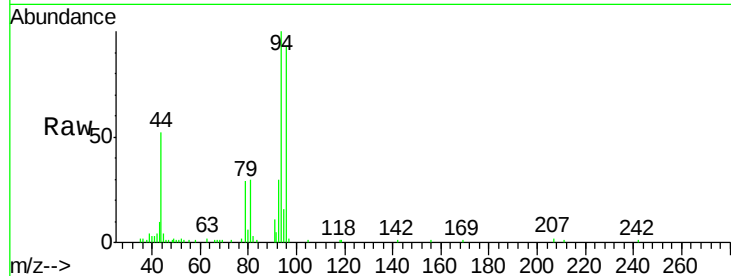
ClientSampleId :

Tot Ion: 94 Resp: 25246

Ion Ratio Lower Upper

94 100

96 93.2 74.6 112.0



#6

Chloroethane

Concen: 19.162 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.00 min

Lab File: VF059643.D

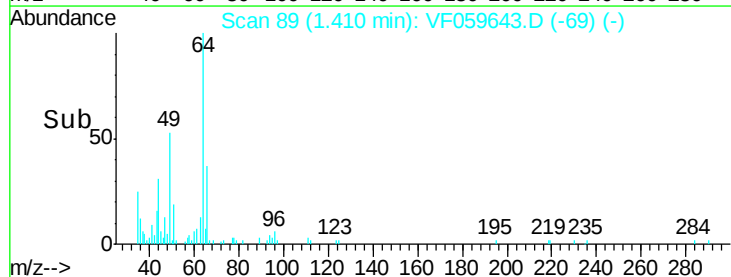
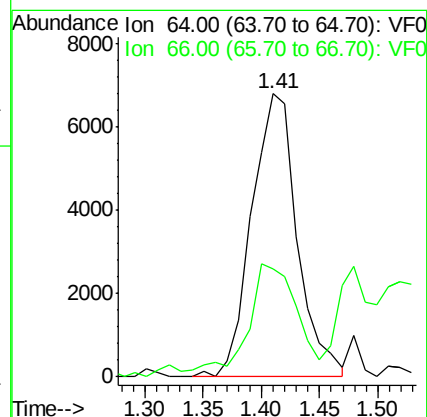
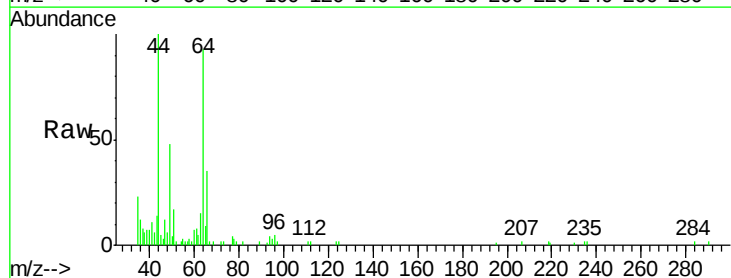
Acq: 24 Jul 2018 21:12

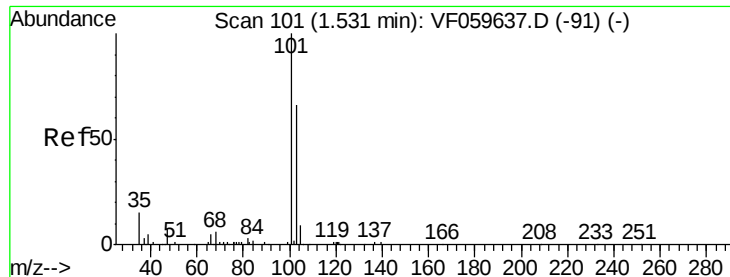
Tgt Ion: 64 Resp: 18345

Ion Ratio Lower Upper

64 100

66 38.1 29.0 43.6





#7

Trichlorofluoromethane

Concen: 7.032 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.05 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

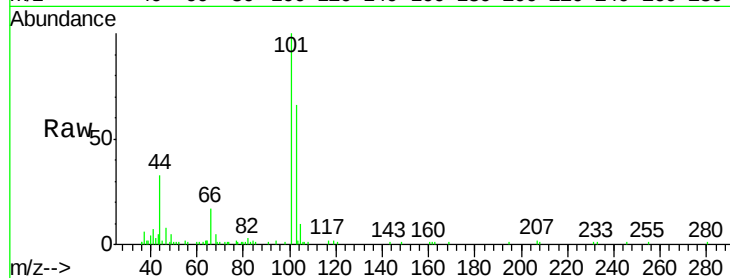
ClientSampleId :

Tot Ion:101 Resp: 30381

Ion Ratio Lower Upper

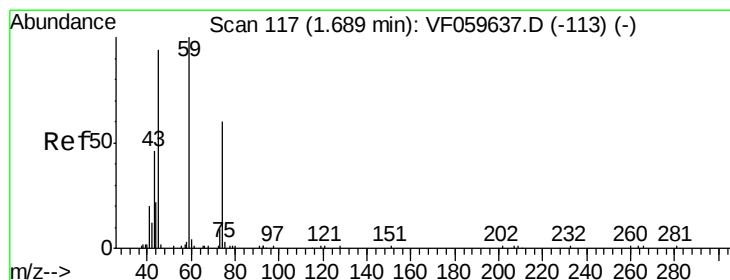
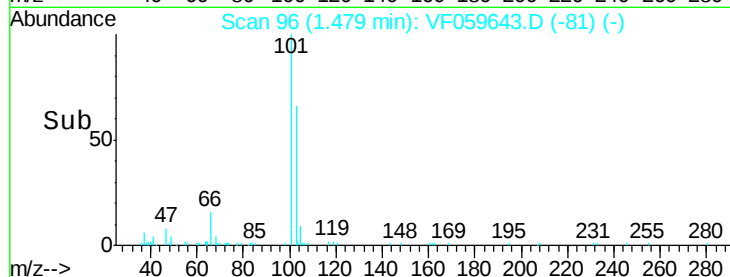
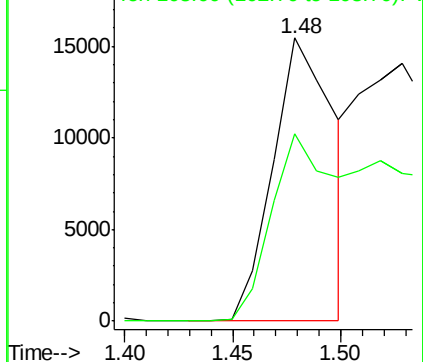
101 100

103 66.3 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.160 ug/l

RT: 1.70 min Scan# 118

Delta R.T. 0.01 min

Lab File: VF059643.D

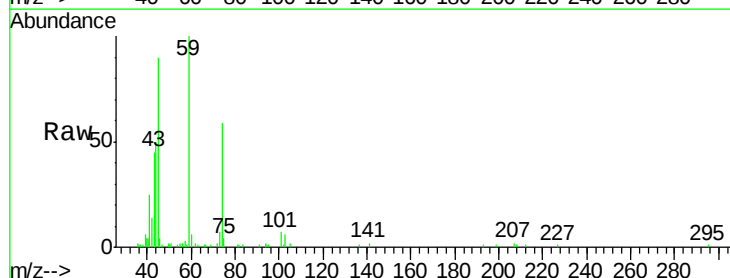
Acq: 24 Jul 2018 21:12

Tgt Ion: 74 Resp: 12127

Ion Ratio Lower Upper

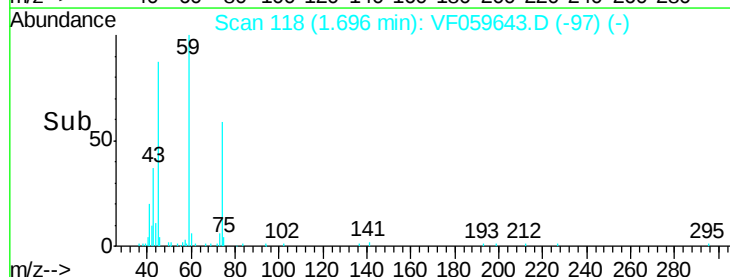
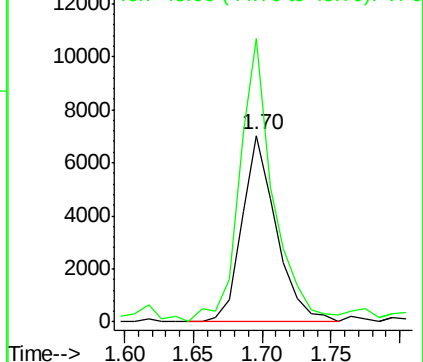
74 100

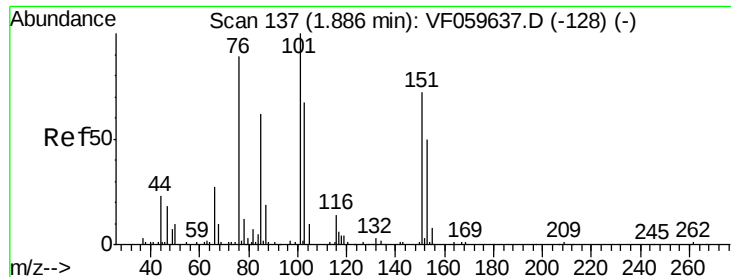
45 151.8 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.254 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

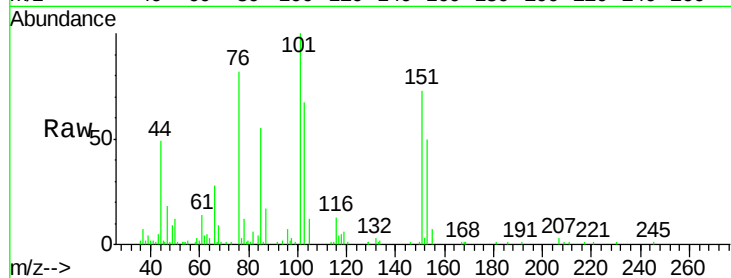
Tot Ion:101 Resp: 52424

Ion Ratio Lower Upper

101 100

85 56.5 49.0 73.4

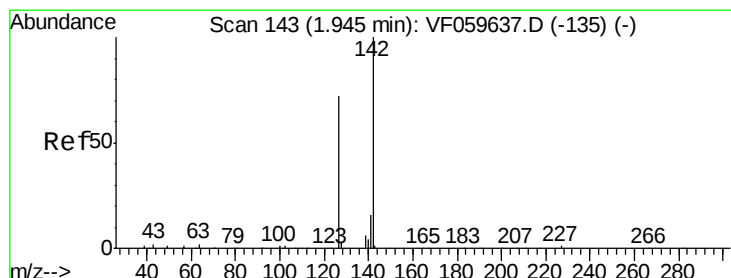
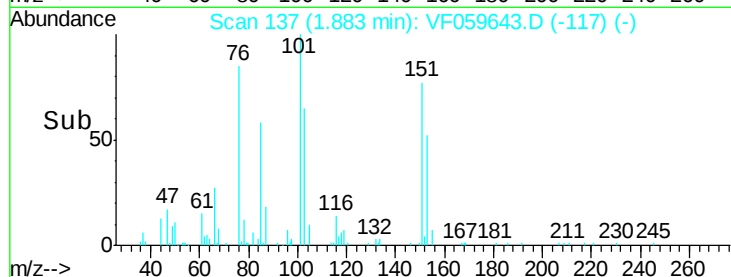
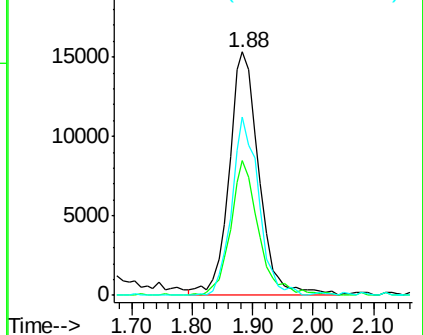
151 73.4 56.8 85.2



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: 21.338 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

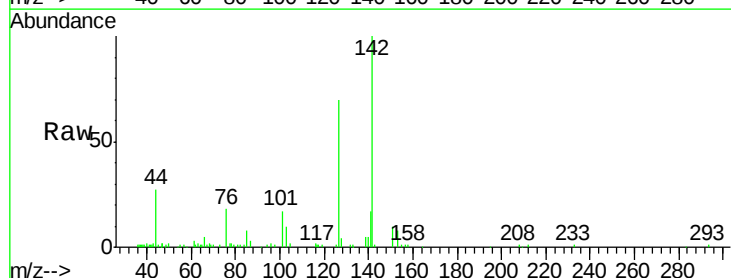
Tgt Ion:142 Resp: 75926

Ion Ratio Lower Upper

142 100

127 70.0 57.5 86.3

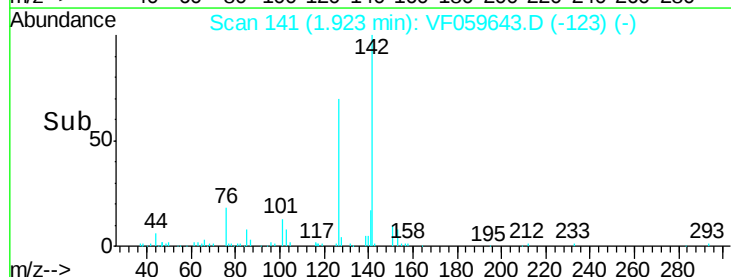
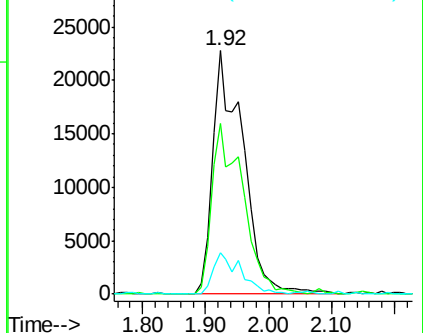
141 16.7 13.2 19.8

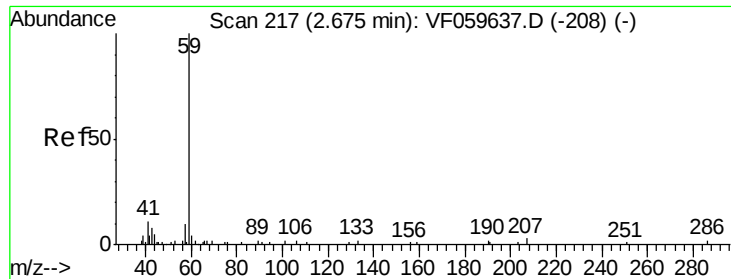


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



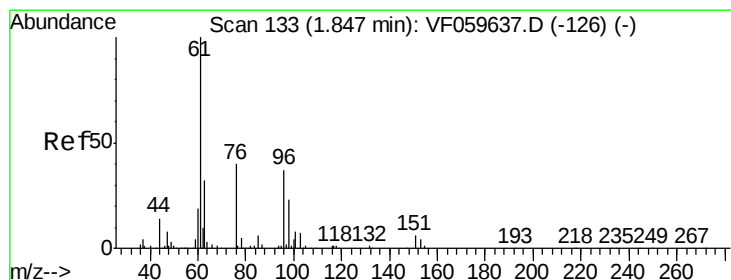
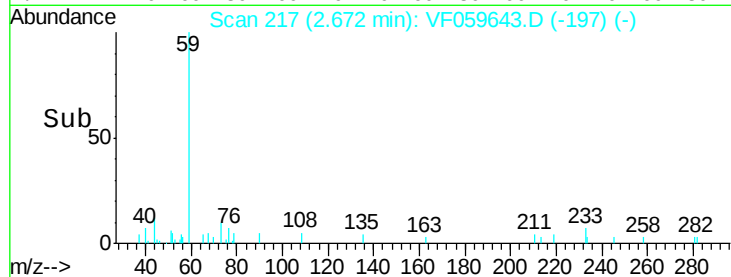
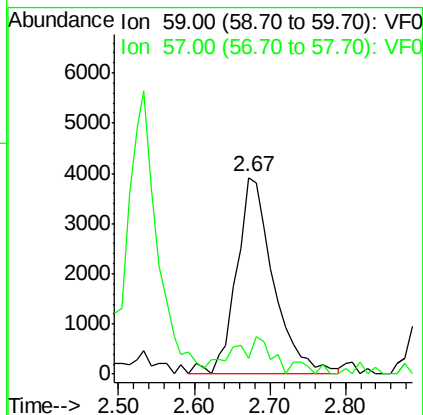
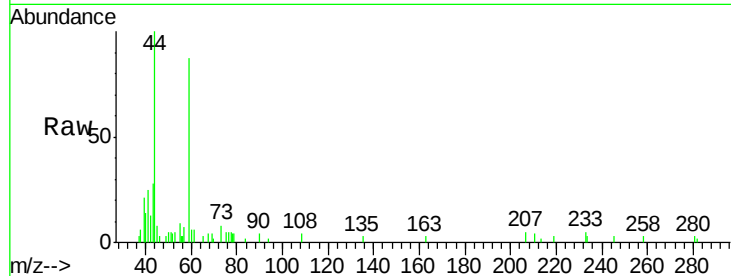


#11

Tert butyl alcohol
Concen: 103.987 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

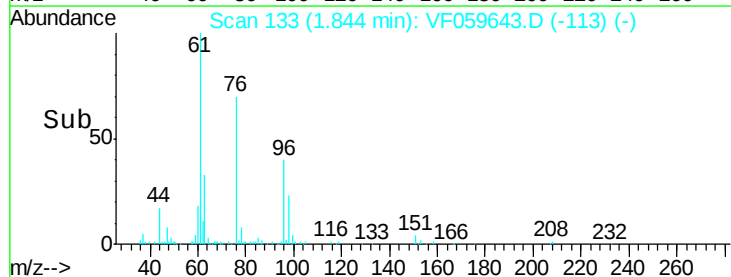
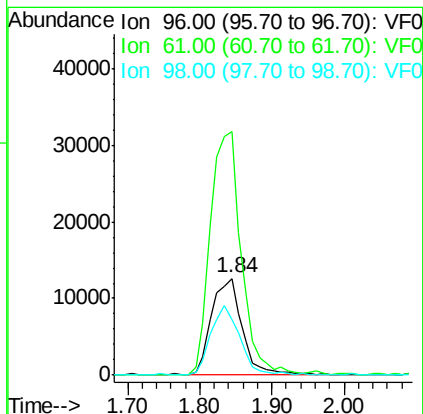
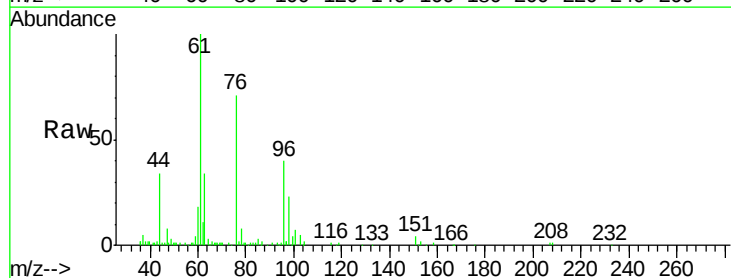
Tot Ion: 59 Resp: 13288
Ion Ratio Lower Upper
59 100
57 7.8 11.4 17.2#

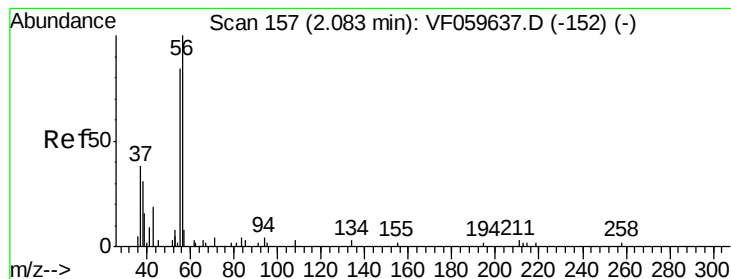


#12

1,1-Dichloroethene
Concen: 22.002 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Tgt Ion: 96 Resp: 37246
Ion Ratio Lower Upper
96 100
61 239.8 218.2 327.4
98 54.8 50.6 76.0





#13

Acrolein

Concen: 71.490 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

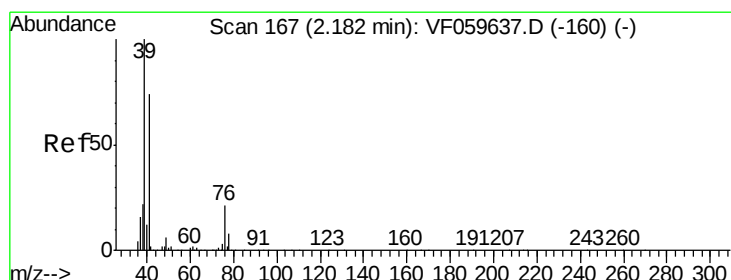
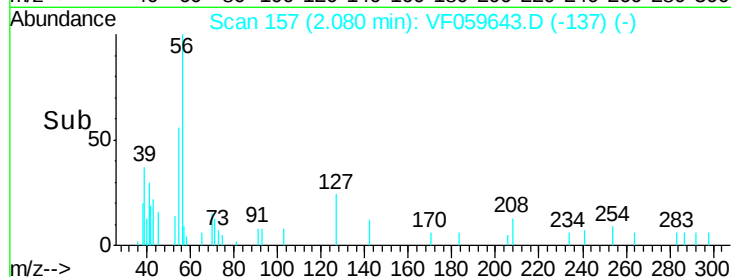
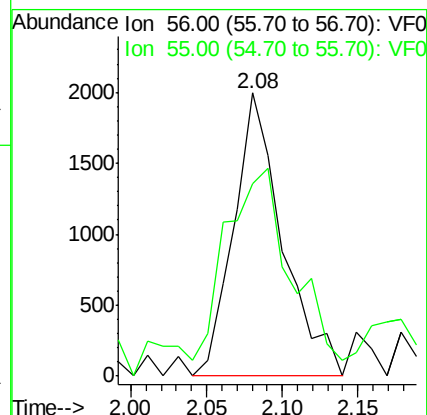
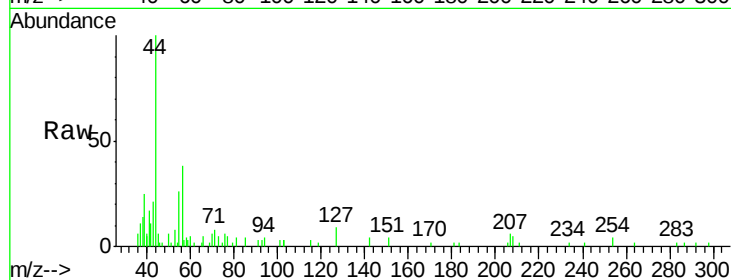
ClientSampleId :

Tot Ion: 56 Resp: 4479

Ion Ratio Lower Upper

56 100

55 68.2 67.2 100.8



#14

Allyl chloride

Concen: 20.766 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

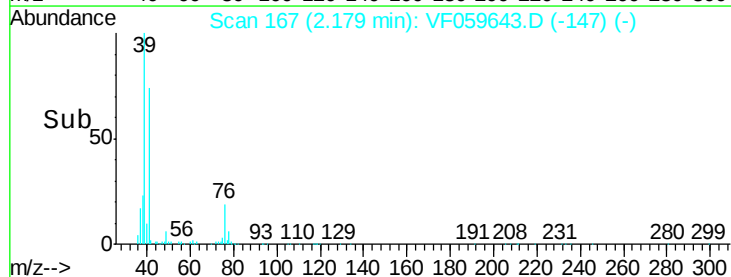
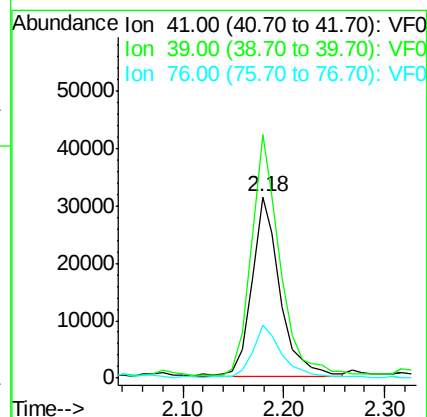
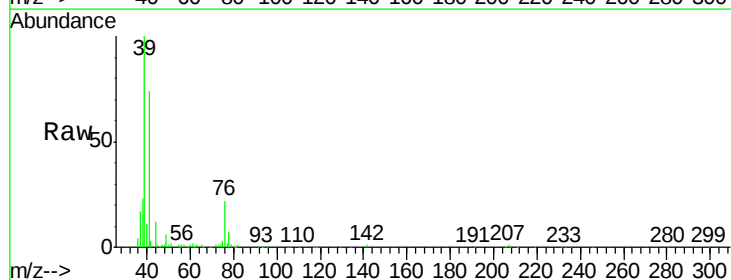
Tgt Ion: 41 Resp: 60650

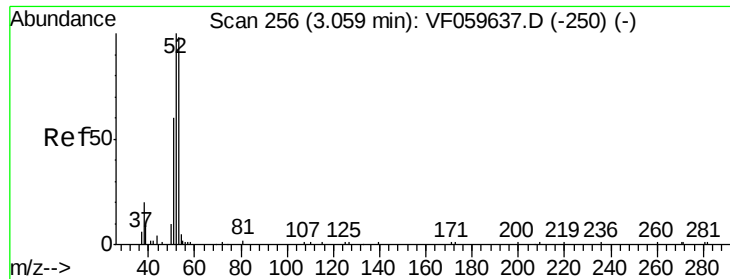
Ion Ratio Lower Upper

41 100

39 134.3 108.6 162.8

76 28.9 23.0 34.6





#15

Acrylonitrile

Concen: 96.692 ug/l

RT: 3.07 min Scan# 257

Delta R.T. 0.01 min

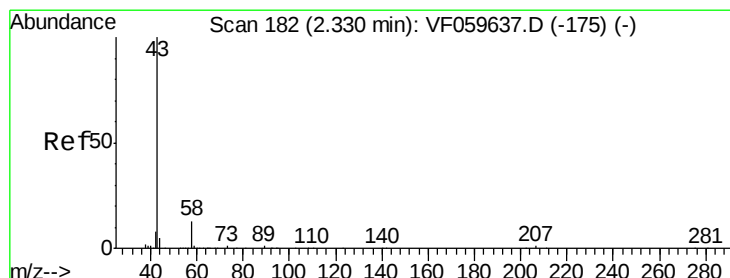
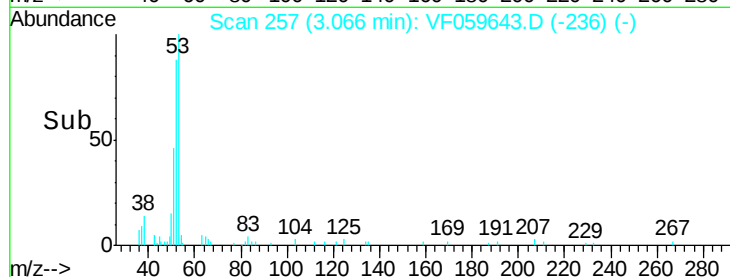
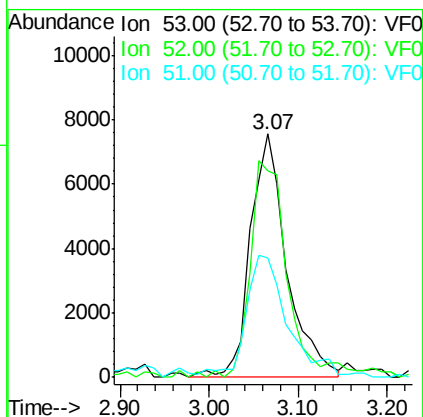
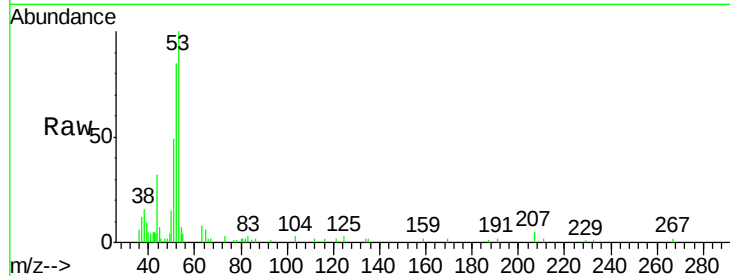
Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 21268

Ion	Ratio	Lower	Upper
53	100		
52	84.8	80.9	121.3
51	49.2	49.4	74.2#



#16

Acetone

Concen: 84.827 ug/l

RT: 2.33 min Scan# 182

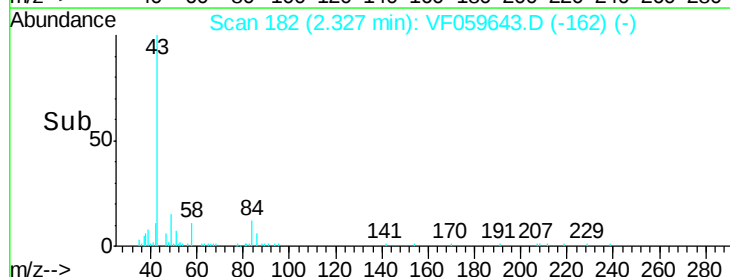
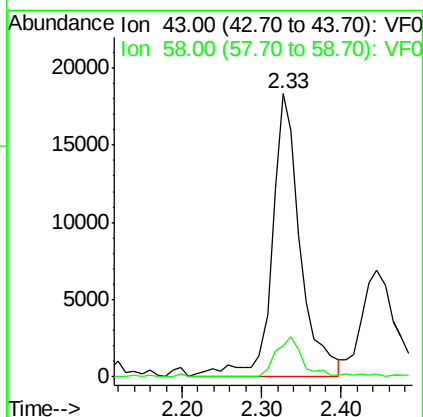
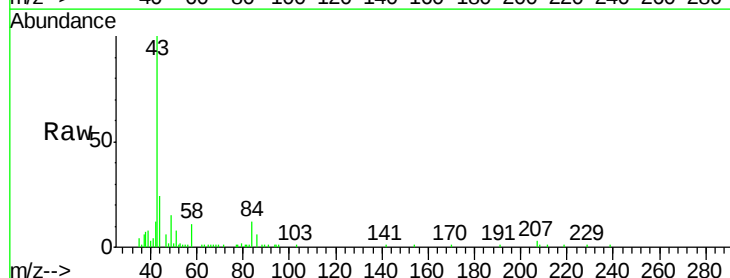
Delta R.T. -0.00 min

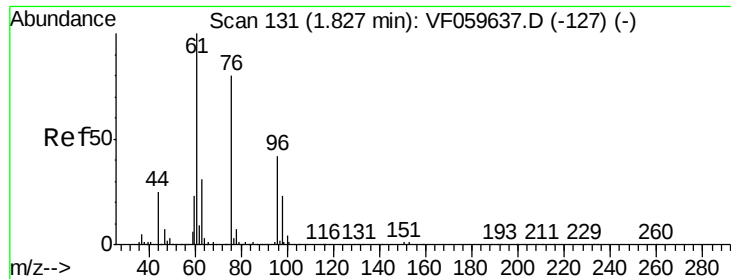
Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Tgt Ion: 43 Resp: 45480

Ion	Ratio	Lower	Upper
43	100		
58	10.8	10.2	15.2

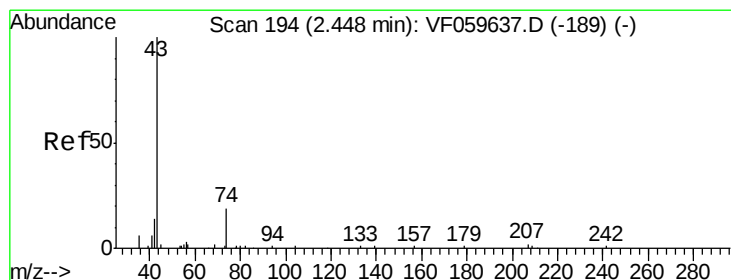
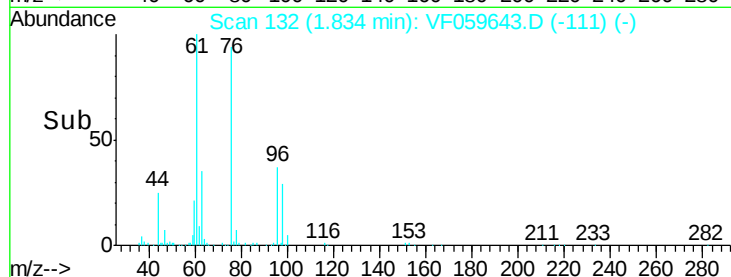
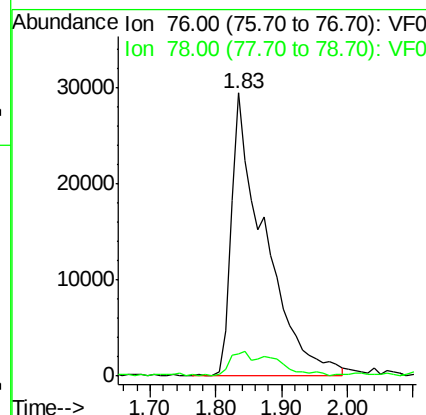
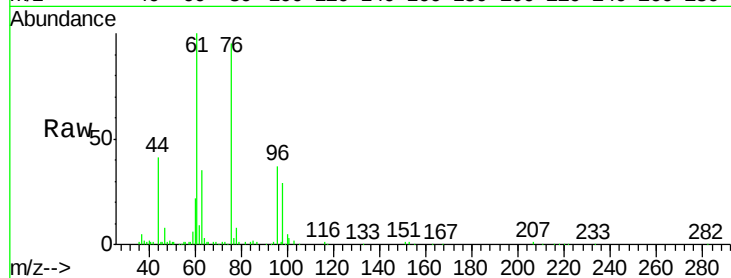




#17
Carbon Disulfide
Concen: 24.119 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.01 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

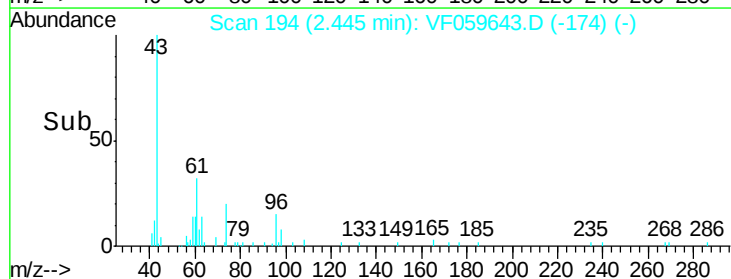
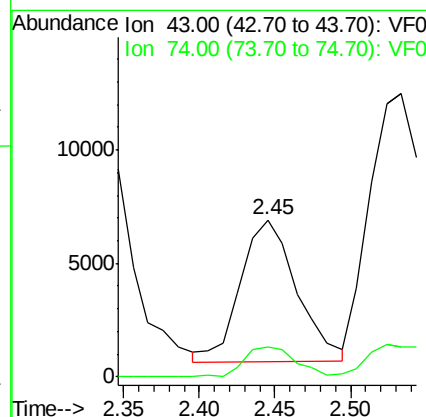
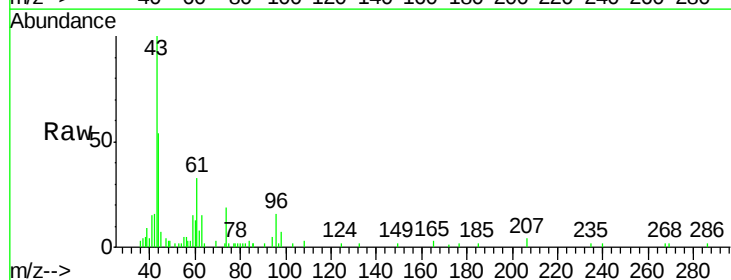
Instrument :
MSVOA_F
ClientSampleId :

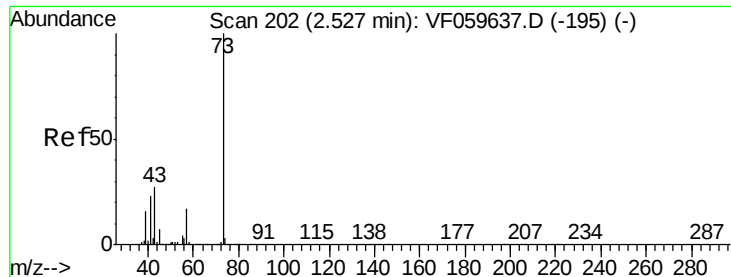
Tot Ion: 76 Resp: 104485
Ion Ratio Lower Upper
76 100
78 8.0 7.0 10.6



#18
Methyl Acetate
Concen: 17.427 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Tgt Ion: 43 Resp: 16182
Ion Ratio Lower Upper
43 100
74 19.3 13.0 19.6



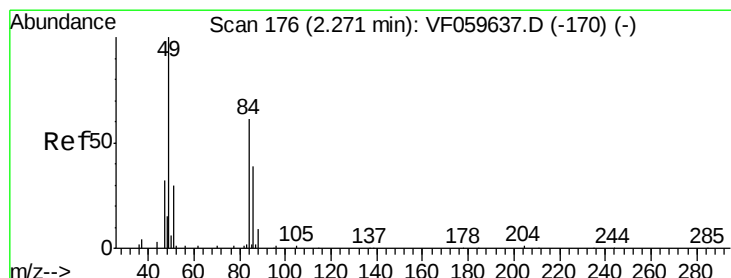
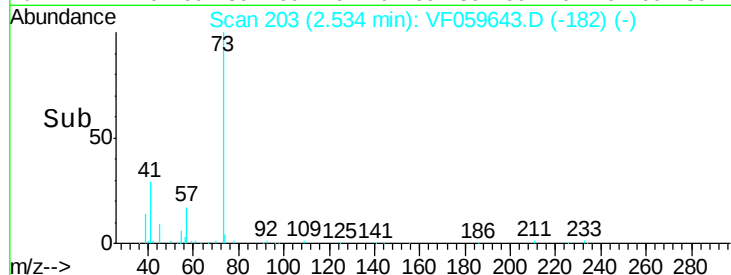
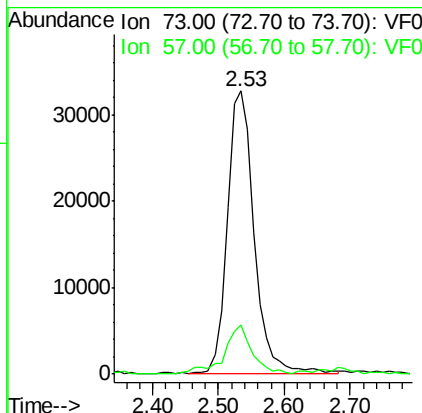
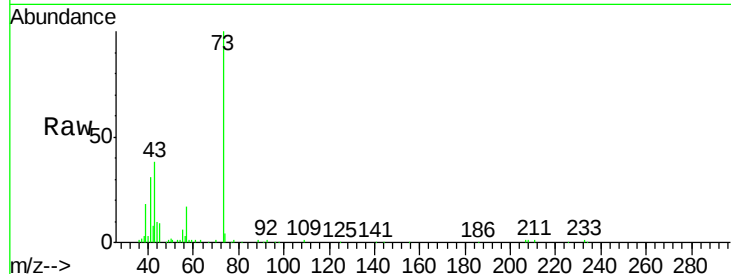


#19

Methyl tert-butyl Ether
 Concen: 20.808 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF059643.D
 Acq: 24 Jul 2018 21:12

Instrument :
 MSVOA_F
 ClientSampleId :

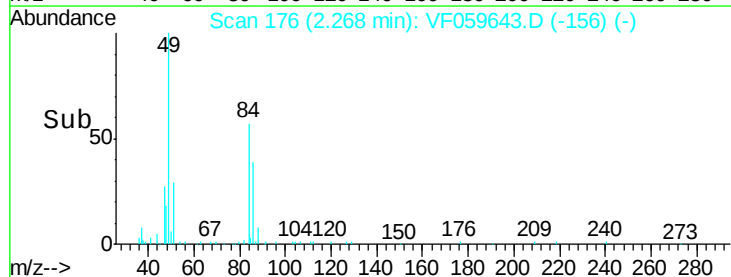
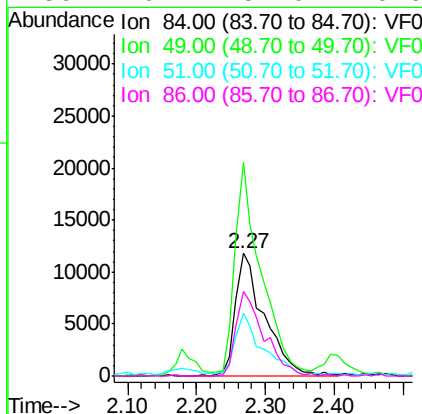
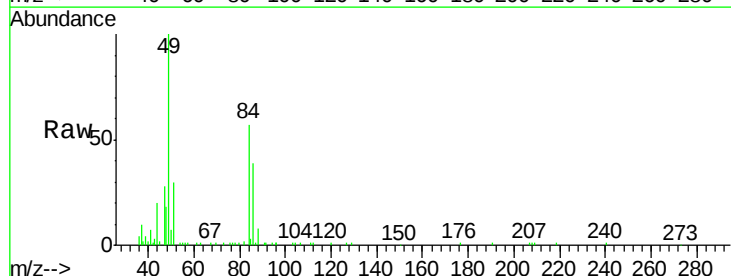
Tot Ion: 73 Resp: 92429
 Ion Ratio Lower Upper
 73 100
 57 17.2 14.2 21.4

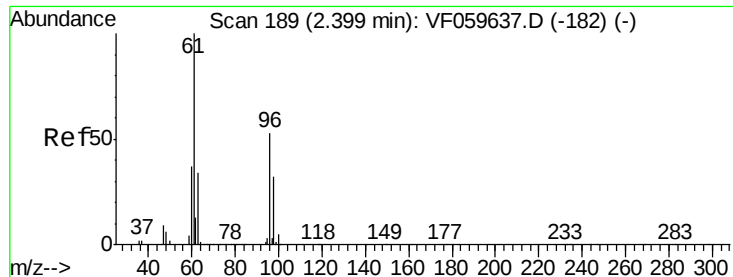


#20

Methylene Chloride
 Concen: 21.085 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059643.D
 Acq: 24 Jul 2018 21:12

Tgt Ion: 84 Resp: 34773
 Ion Ratio Lower Upper
 84 100
 49 174.5 133.8 200.8
 51 51.8 41.1 61.7
 86 70.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 21.429 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

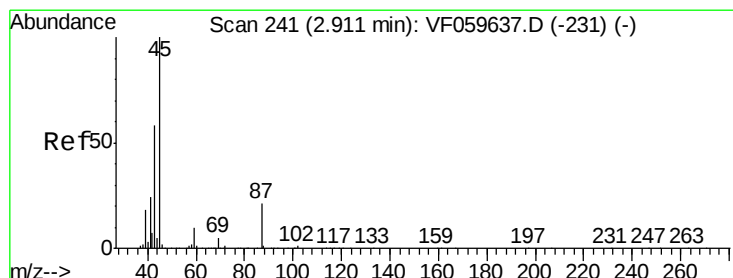
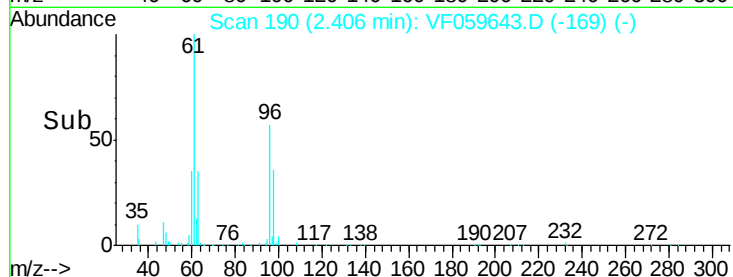
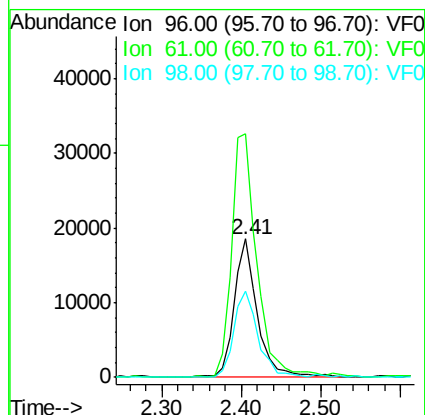
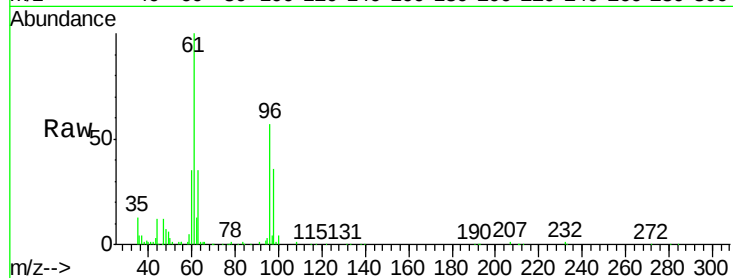
Tot Ion: 96 Resp: 37918

Ion Ratio Lower Upper

96 100

61 176.2 151.4 227.2

98 62.6 49.0 73.6



#22

Diisopropyl ether

Concen: 20.591 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Tgt Ion: 45 Resp: 115351

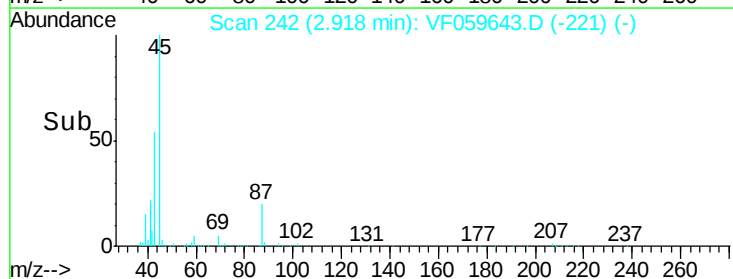
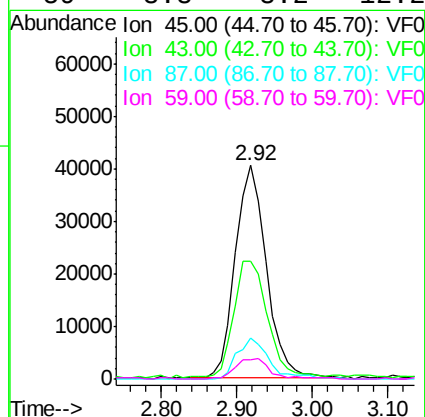
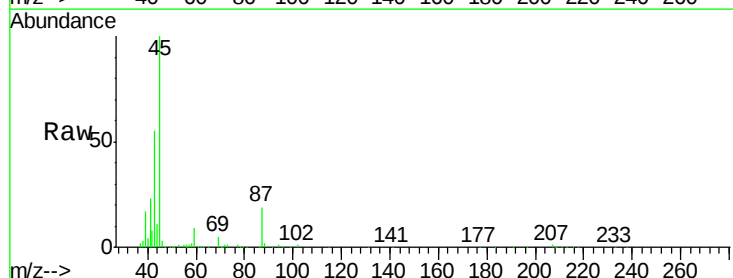
Ion Ratio Lower Upper

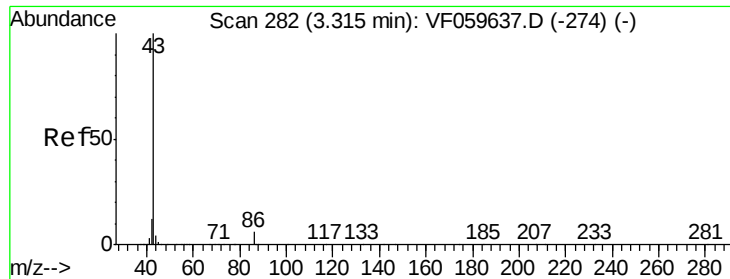
45 100

43 55.3 46.5 69.7

87 19.4 16.5 24.7

59 8.8 8.2 12.2





#23

Vinyl Acetate

Concen: 99.422 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

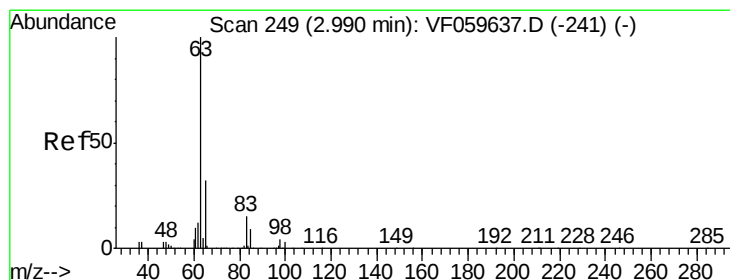
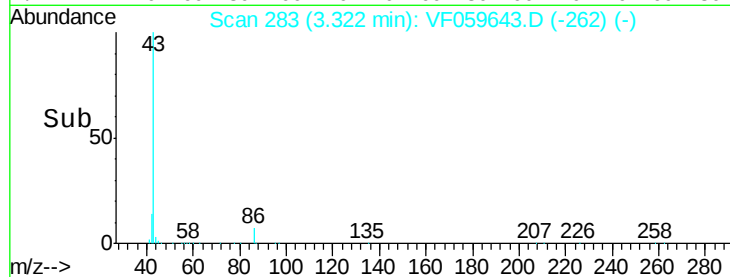
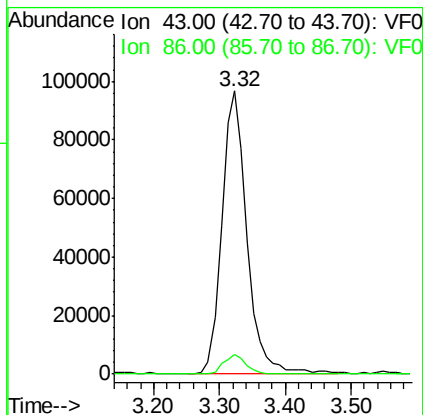
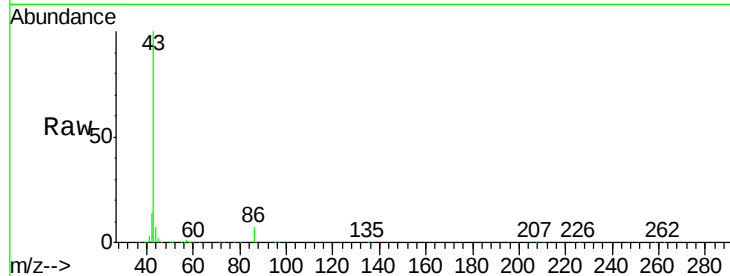
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 256932

Ion Ratio Lower Upper

43 100

86 6.8 4.5 6.7#



#24

1,1-Dichloroethane

Concen: 22.199 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

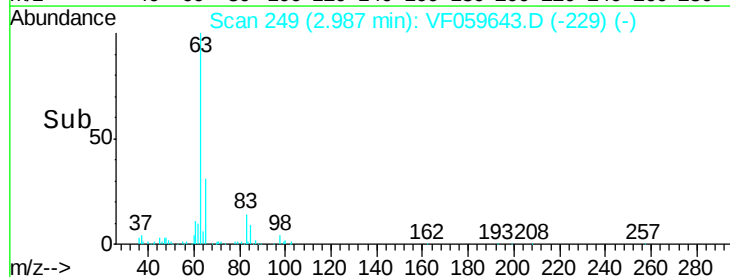
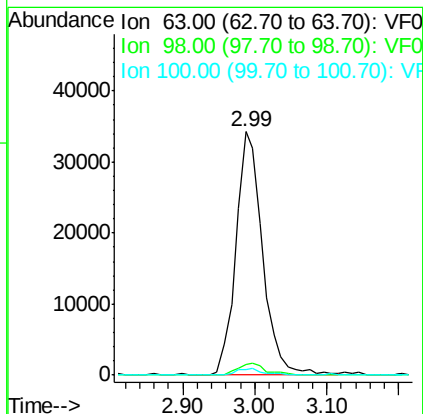
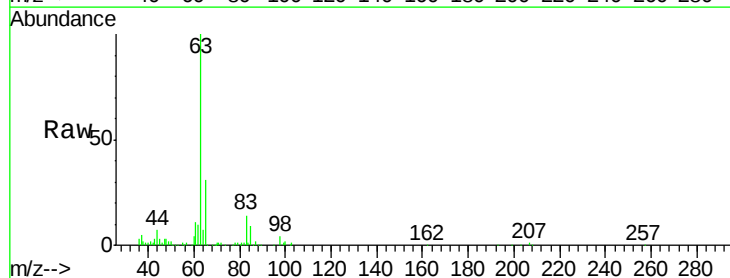
Tgt Ion: 63 Resp: 88467

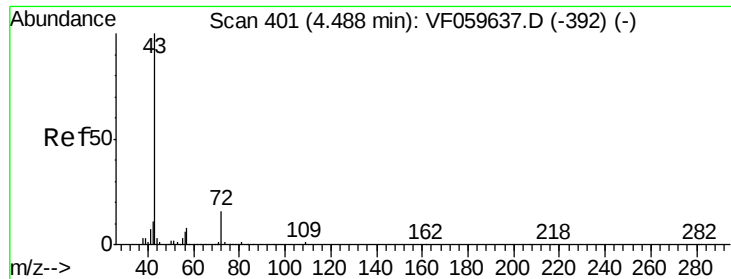
Ion Ratio Lower Upper

63 100

98 4.2 1.8 5.5

100 2.4 1.3 3.9





#25

2-Butanone

Concen: 102.081 ug/l

RT: 4.50 min Scan# 402

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

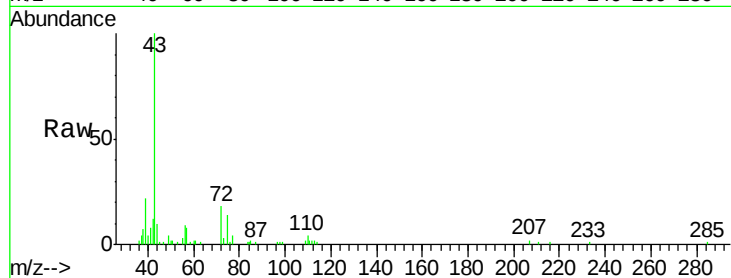
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 65696

Ion Ratio Lower Upper

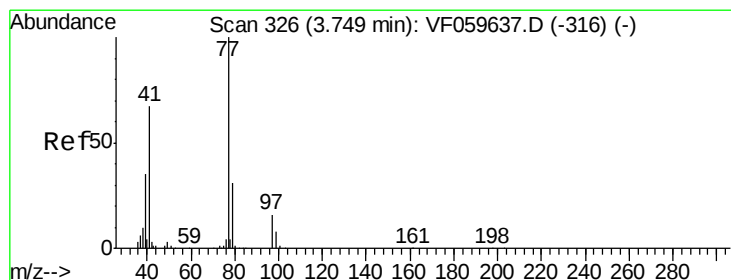
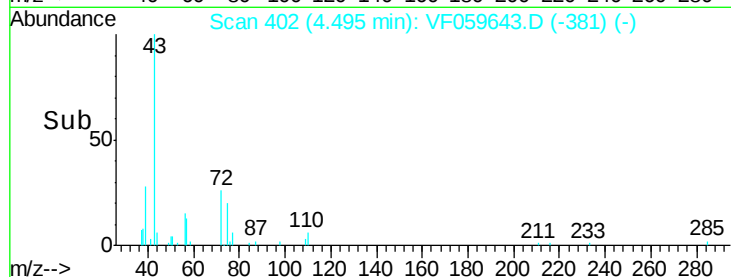
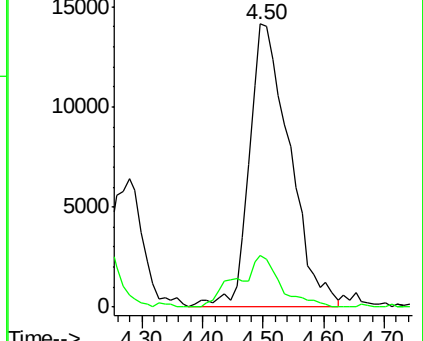
43 100

72 18.4 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: 19.555 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059643.D

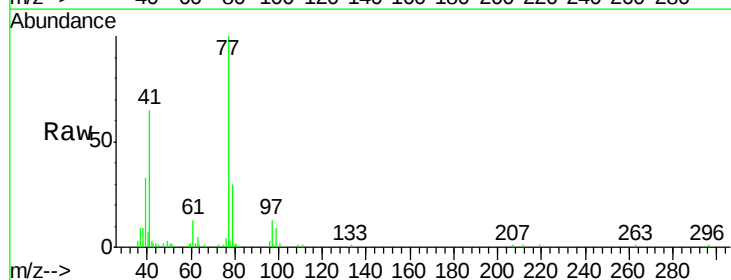
Acq: 24 Jul 2018 21:12

Tgt Ion: 77 Resp: 64425

Ion Ratio Lower Upper

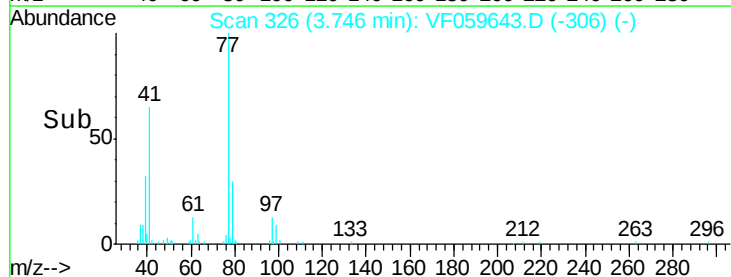
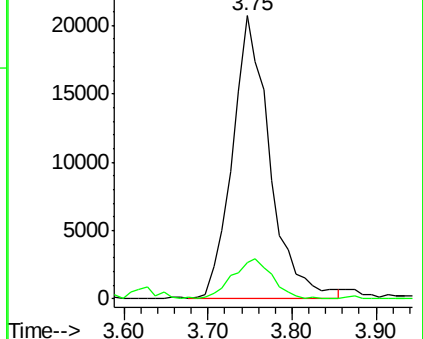
77 100

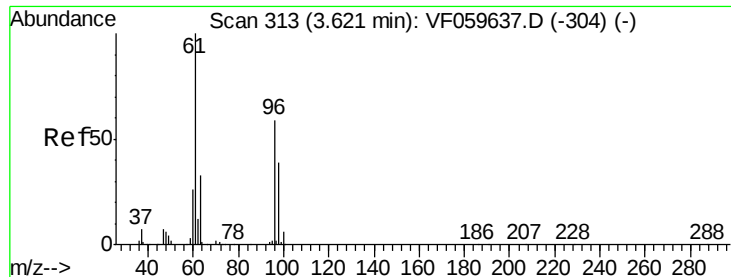
97 12.6 7.8 23.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



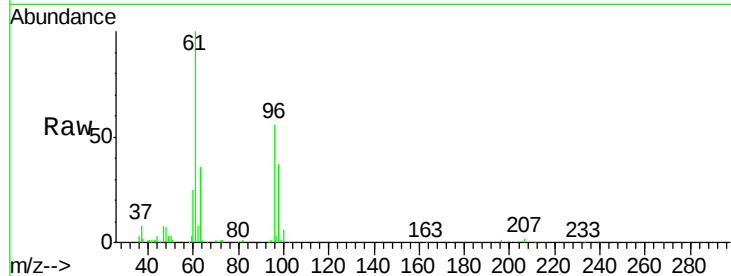


#27

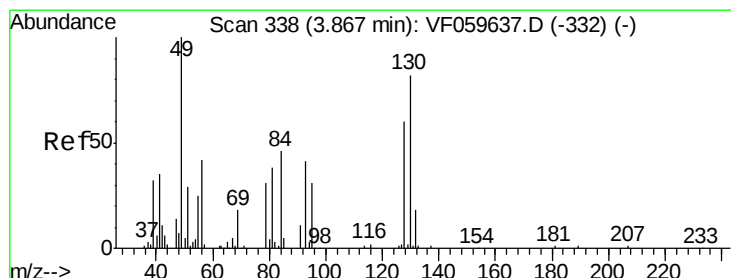
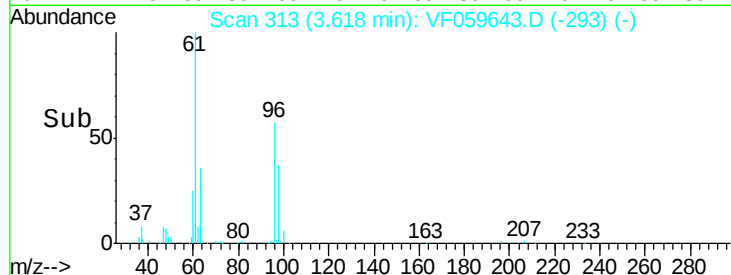
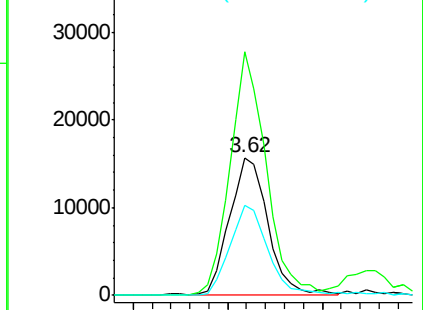
cis-1,2-Dichloroethene
Concen: 20.462 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	96	Resp	44314
Ion	Ratio	Lower	Upper
96	100		
61	177.0	0.0	337.4
98	65.6	0.0	132.8



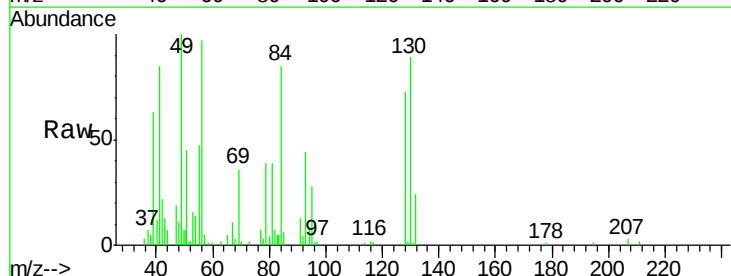
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



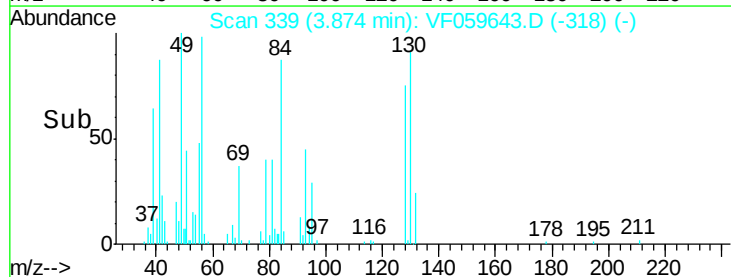
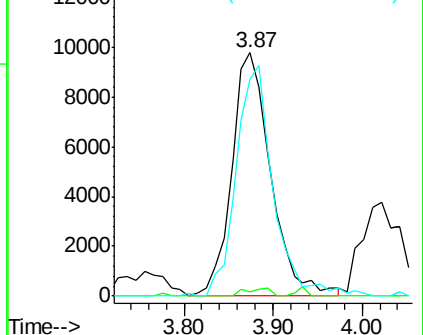
#28

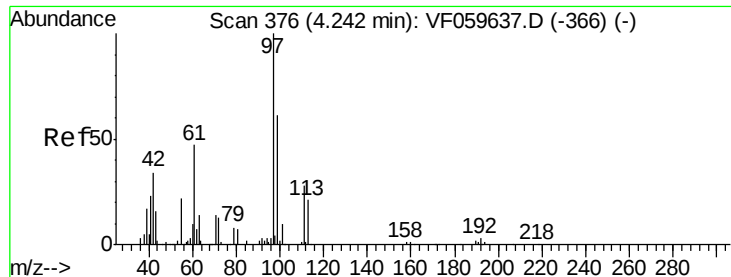
Bromochloromethane
Concen: 20.562 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Tgt Ion	49	Resp	29883
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.6
130	89.2	65.0	97.4



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V

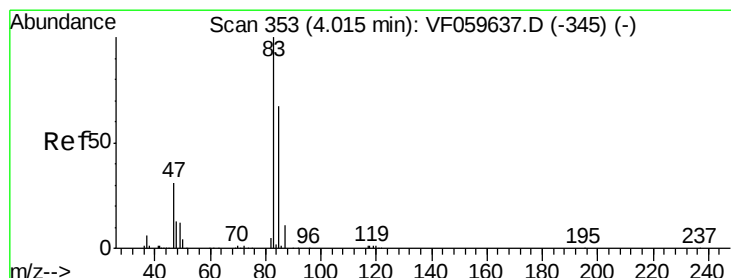
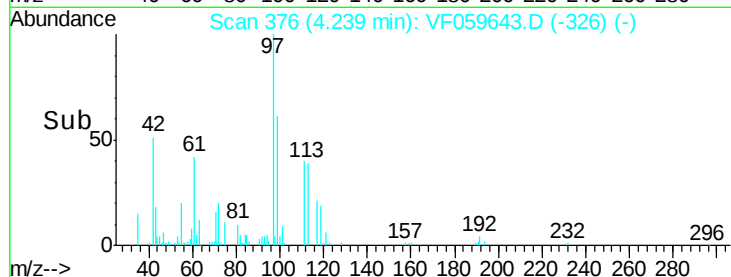
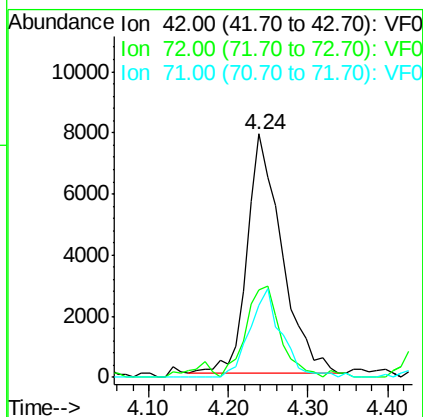
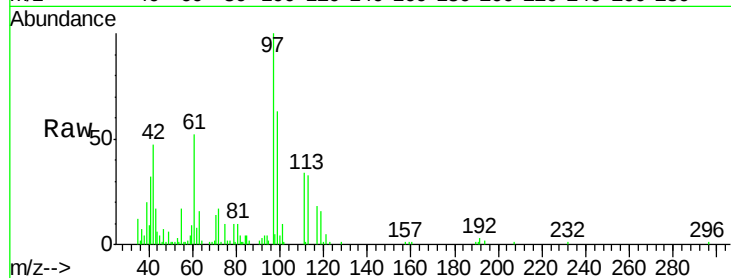




#29
Tetrahydrofuran
Concen: 87.882 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.00 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

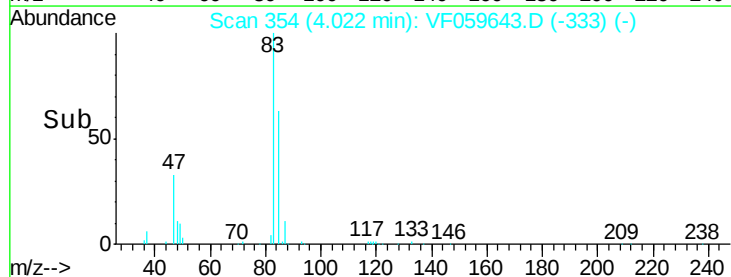
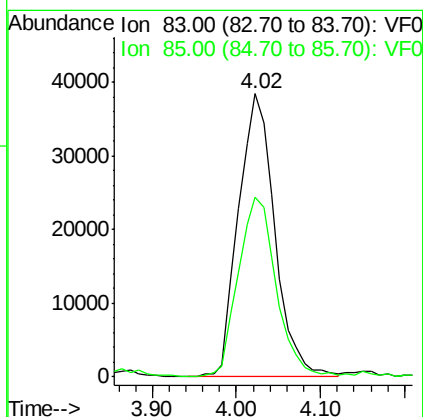
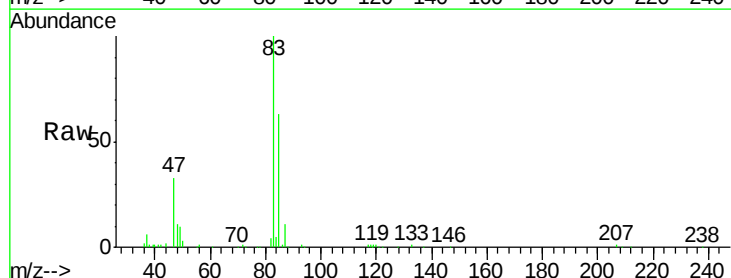
Instrument :
MSVOA_F
ClientSampleId :

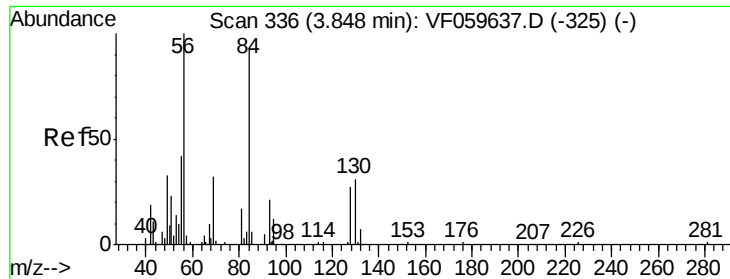
Tot Ion: 42 Resp: 23476
Ion Ratio Lower Upper
42 100
72 37.8 30.0 45.0
71 34.4 28.6 42.8



#30
Chloroform
Concen: 21.055 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Tgt Ion: 83 Resp: 116410
Ion Ratio Lower Upper
83 100
85 63.3 53.8 80.8





#31

Cyclohexane

Concen: 24.464 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

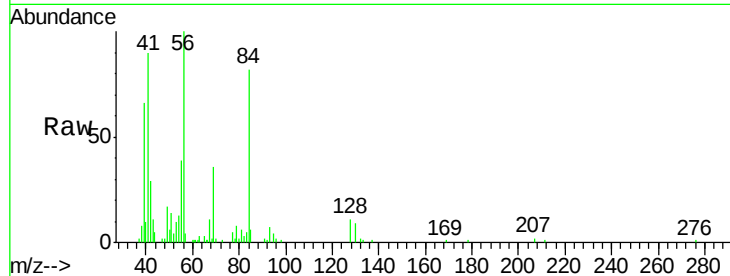
Tot Ion: 56 Resp: 56748

Ion Ratio Lower Upper

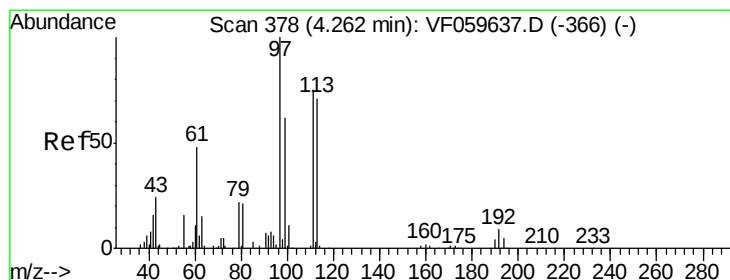
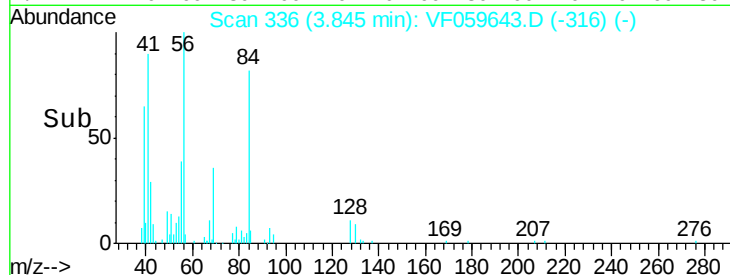
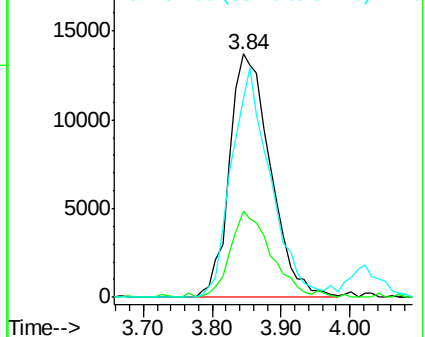
56 100

69 35.6 26.0 39.0

84 81.6 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: 21.853 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

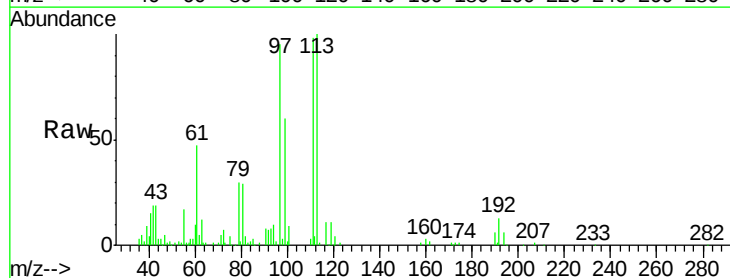
Tgt Ion: 97 Resp: 102966

Ion Ratio Lower Upper

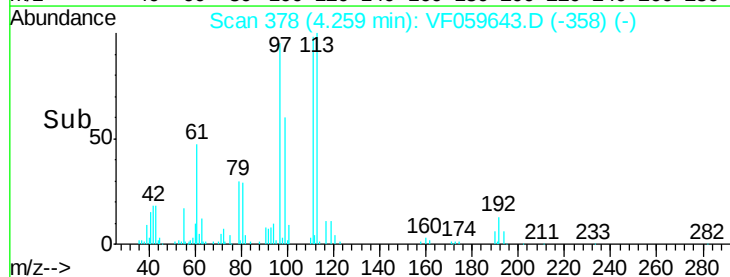
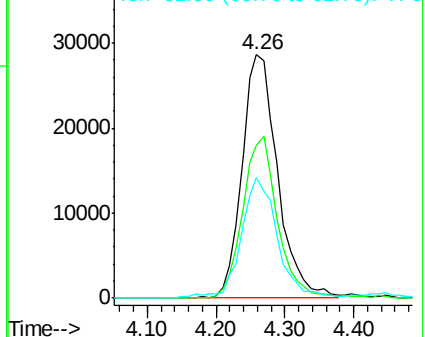
97 100

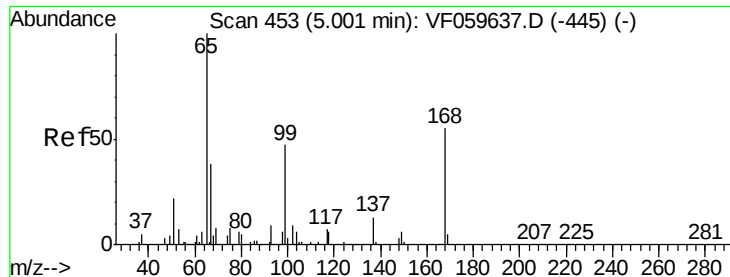
99 62.6 49.8 74.6

61 49.5 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: 49.025 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

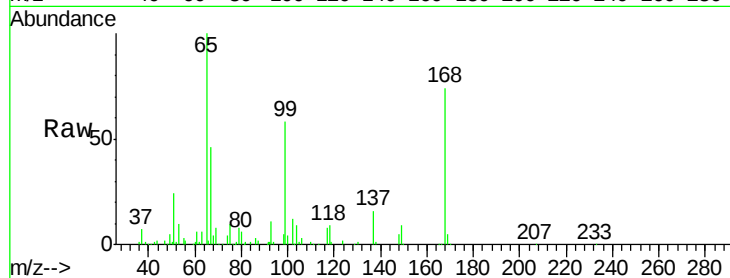
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 168224

Ion Ratio Lower Upper

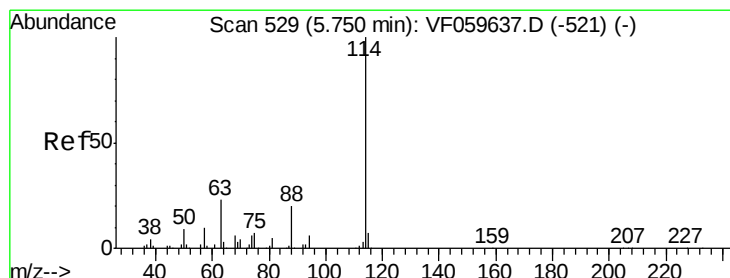
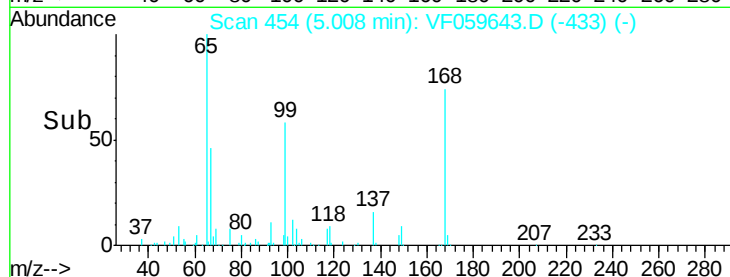
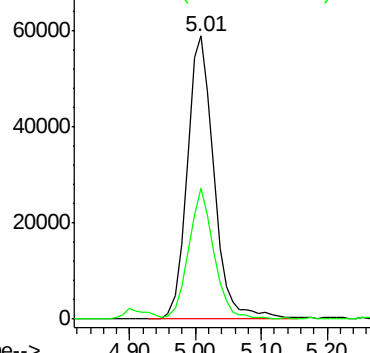
65 100

67 46.2 0.0 86.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

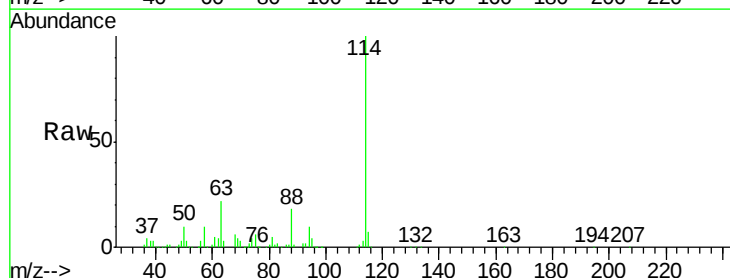
Tgt Ion: 114 Resp: 330144

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.6

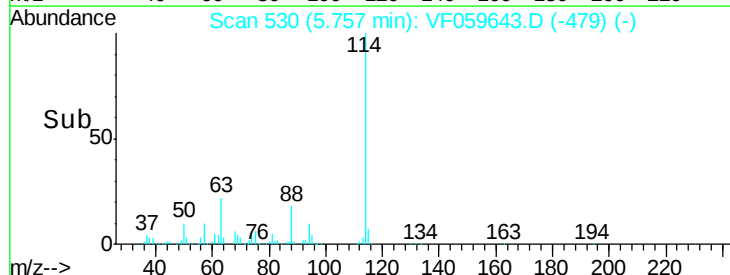
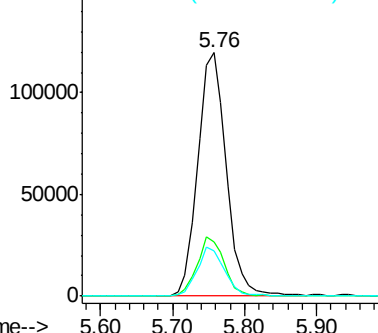
88 18.4 0.0 40.8

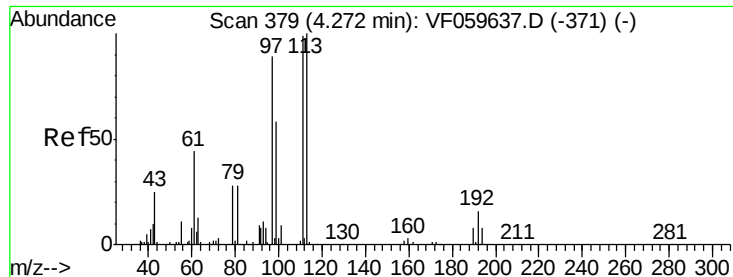


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

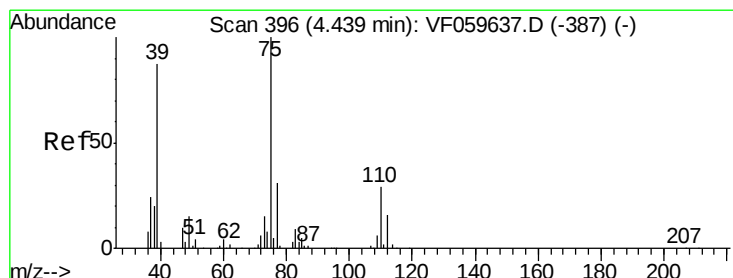
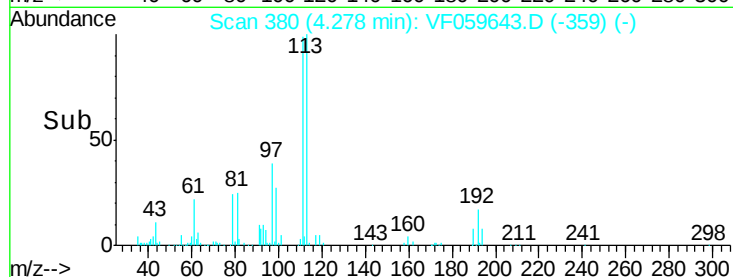
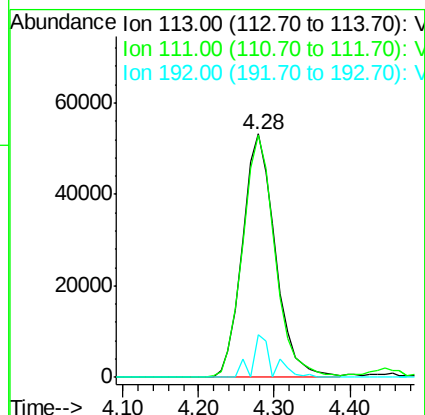
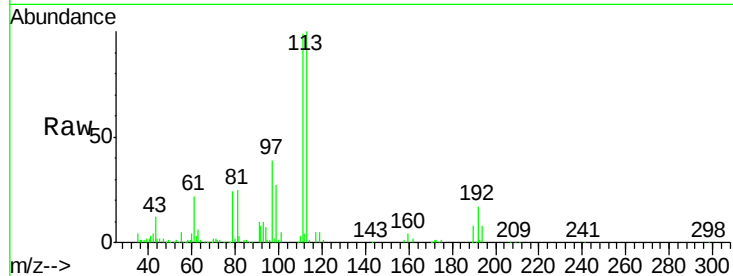




#35
Dibromofluoromethane
Concen: 53.914 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

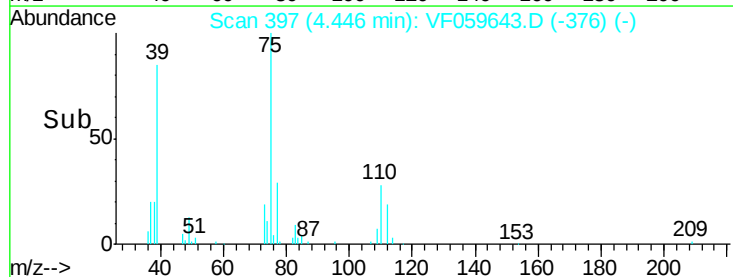
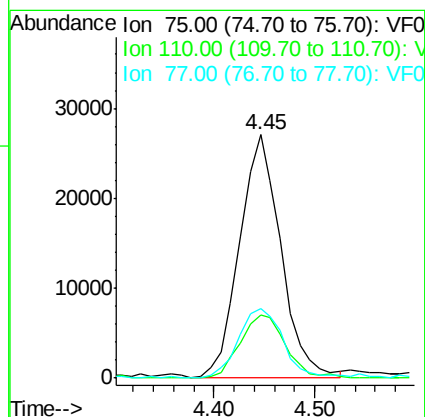
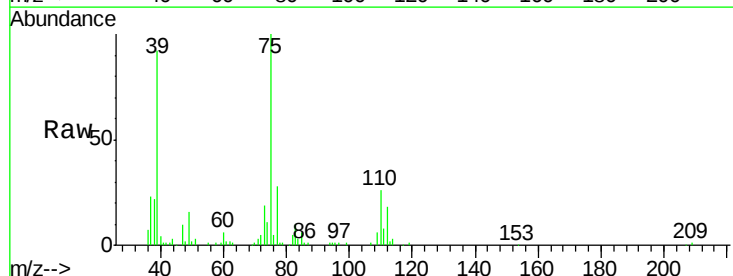
Instrument :
MSVOA_F
ClientSampleId :

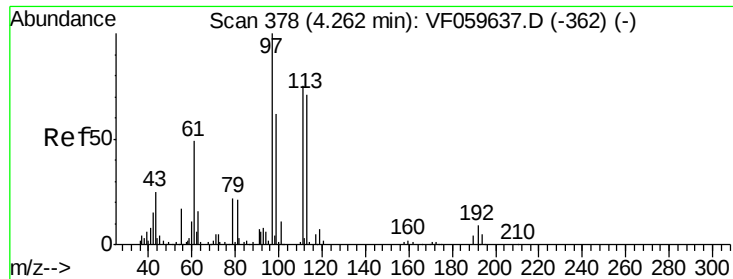
Tot Ion:113 Resp: 160189
Ion Ratio Lower Upper
113 100
111 99.4 79.3 118.9
192 17.5 13.4 20.2



#36
1,1-Dichloropropene
Concen: 22.654 ug/l
RT: 4.45 min Scan# 397
Delta R.T. 0.01 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Tgt Ion: 75 Resp: 76625
Ion Ratio Lower Upper
75 100
110 26.1 14.6 43.8
77 28.4 24.4 36.6

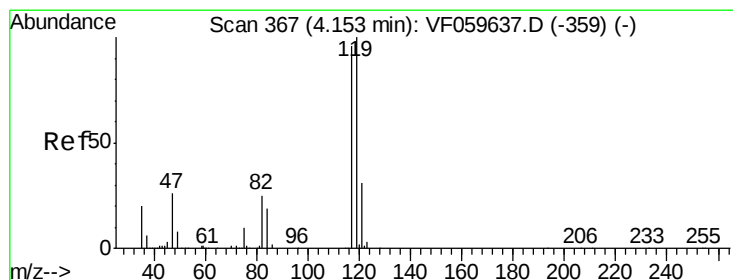
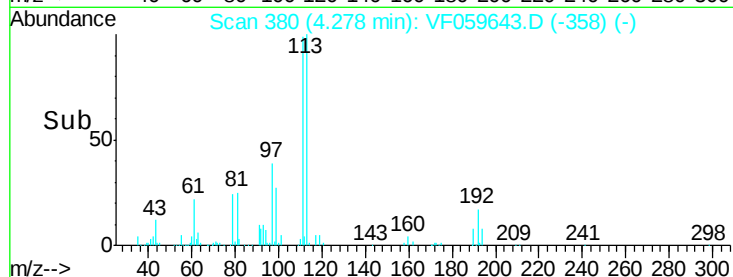
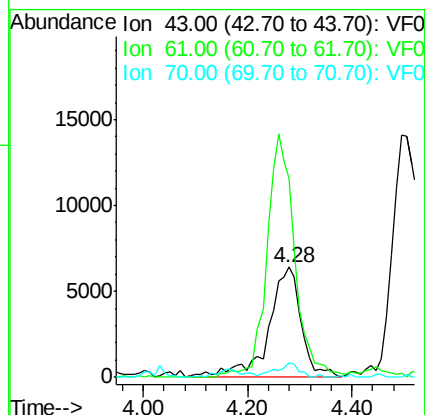
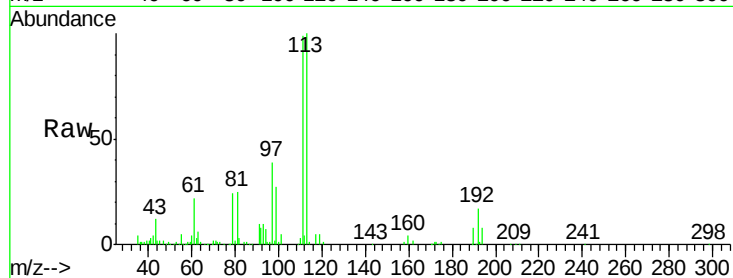




#37
Ethyl Acetate
Concen: 21.524 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

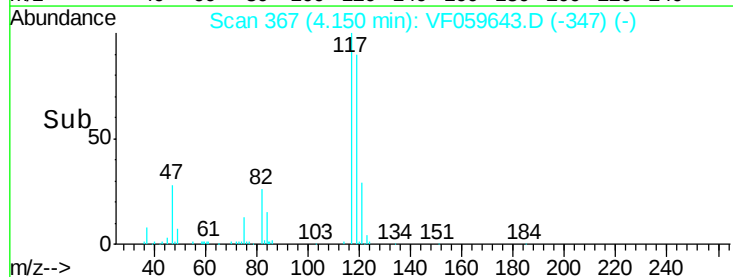
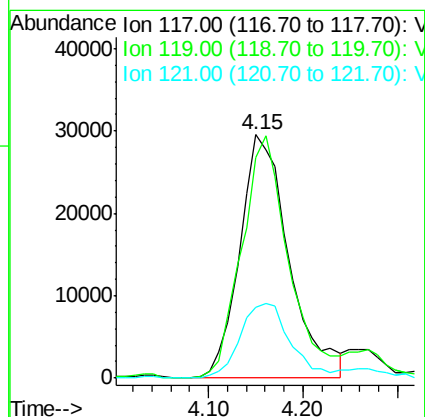
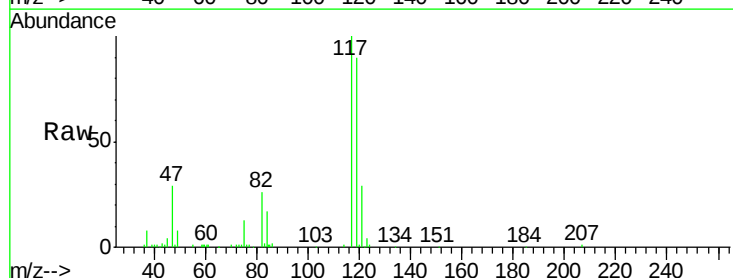
Instrument :
MSVOA_F
ClientSampled :

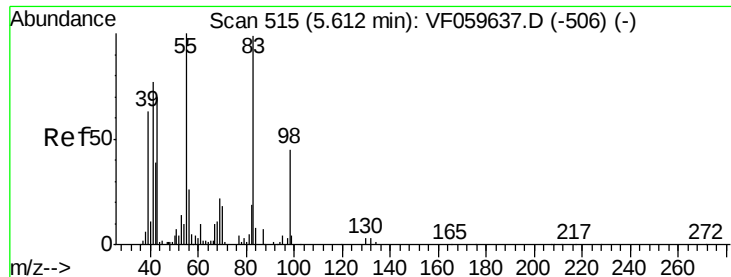
Tot Ion: 43 Resp: 27934
Ion Ratio Lower Upper
43 100
61 180.0 156.6 234.8
70 13.3 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 22.984 ug/l
RT: 4.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Tgt Ion: 117 Resp: 107282
Ion Ratio Lower Upper
117 100
119 90.4 83.0 124.6
121 29.0 26.2 39.4





#39

Methylcyclohexane

Concen: 25.397 ug/l

RT: 5.62 min Scan# 516

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

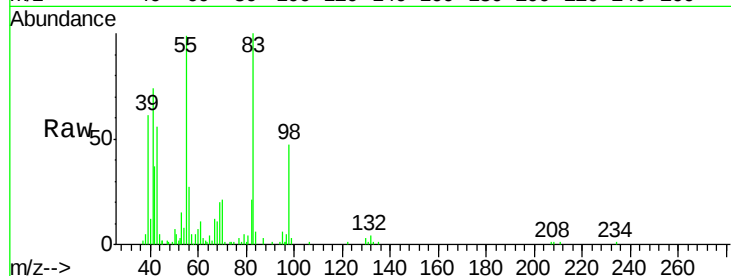
Tot Ion: 83 Resp: 69672

Ion Ratio Lower Upper

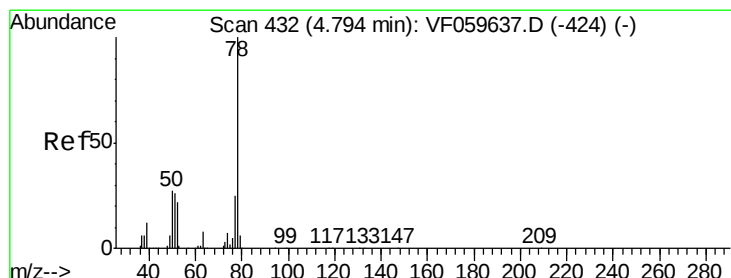
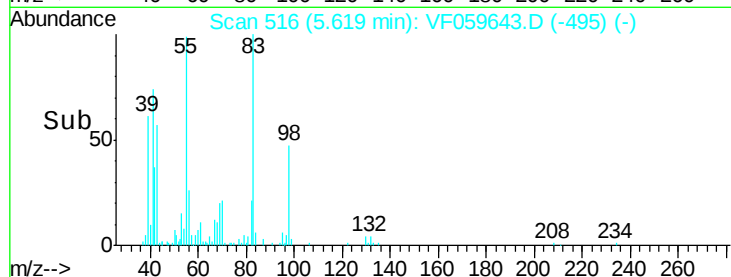
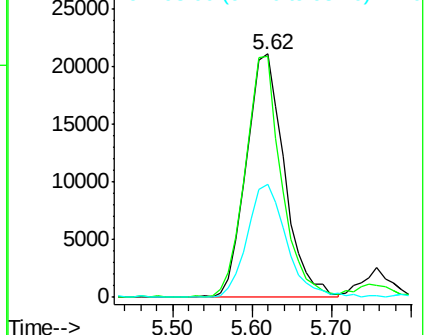
83 100

55 98.8 81.5 122.3

98 46.6 36.7 55.1



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 22.785 ug/l

RT: 4.79 min Scan# 432

Delta R.T. -0.00 min

Lab File: VF059643.D

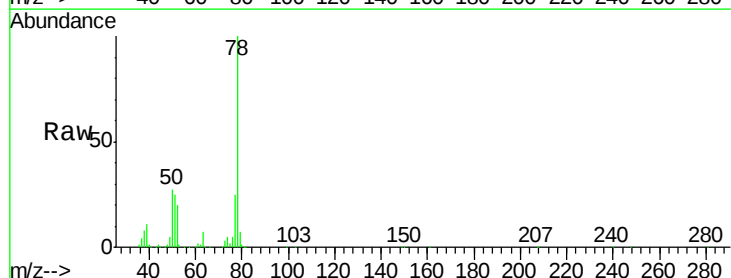
Acq: 24 Jul 2018 21:12

Tgt Ion: 78 Resp: 142568

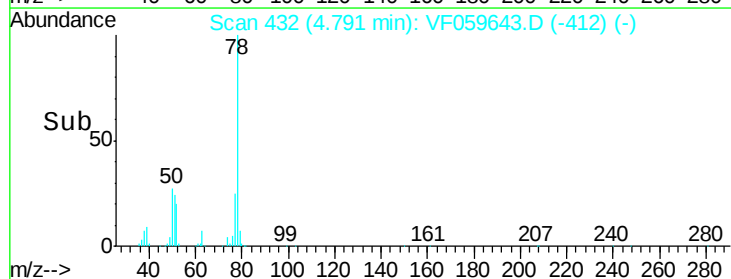
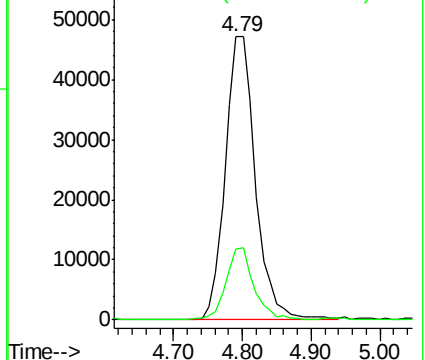
Ion Ratio Lower Upper

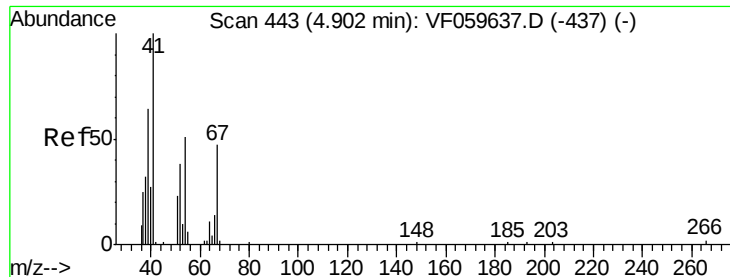
78 100

77 24.9 19.8 29.6



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 21.295 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 13473

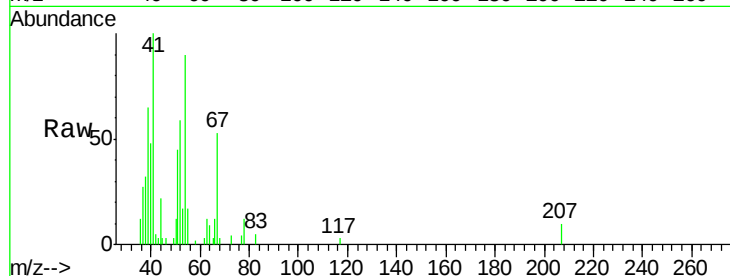
Ion Ratio Lower Upper

41 100

39 65.1 56.9 85.3

67 52.7 36.6 54.8

52 58.7 42.6 63.8

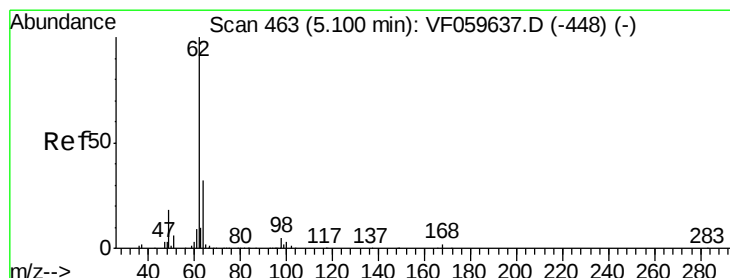
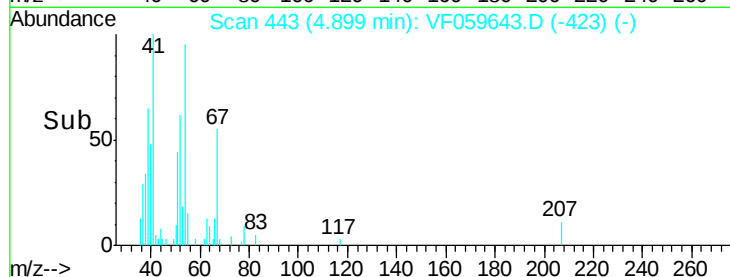
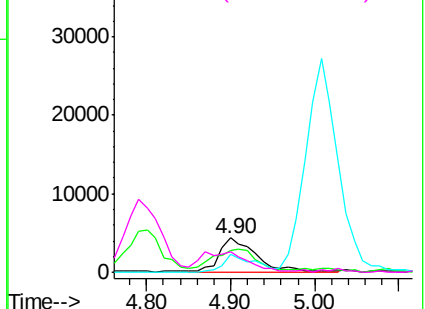


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 20.990 ug/l

RT: 5.11 min Scan# 464

Delta R.T. 0.01 min

Lab File: VF059643.D

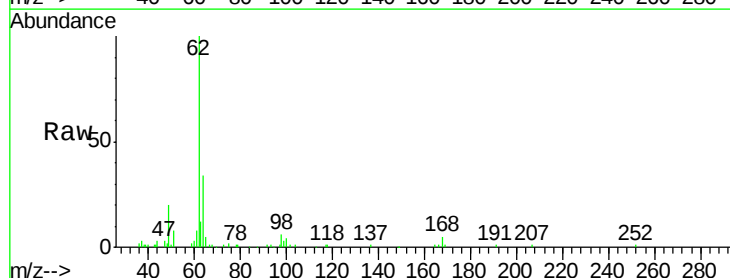
Acq: 24 Jul 2018 21:12

Tgt Ion: 62 Resp: 77822

Ion Ratio Lower Upper

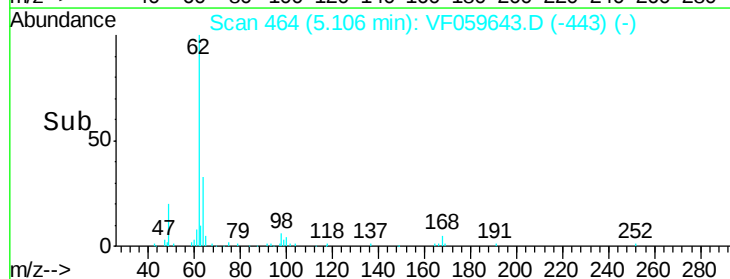
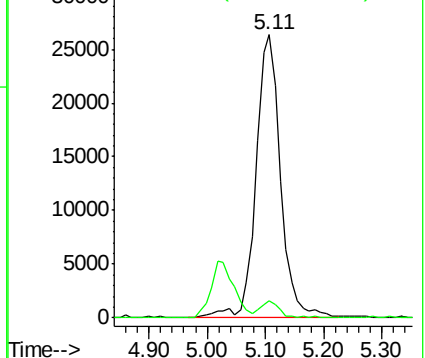
62 100

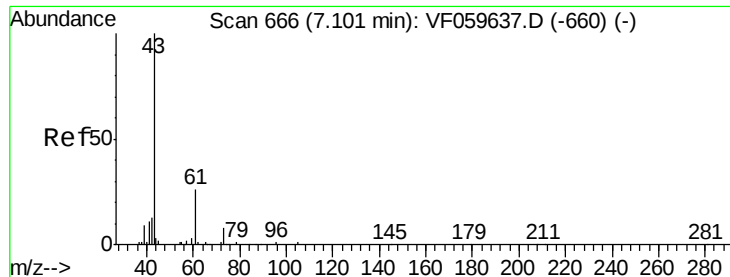
98 5.9 0.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 18.950 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

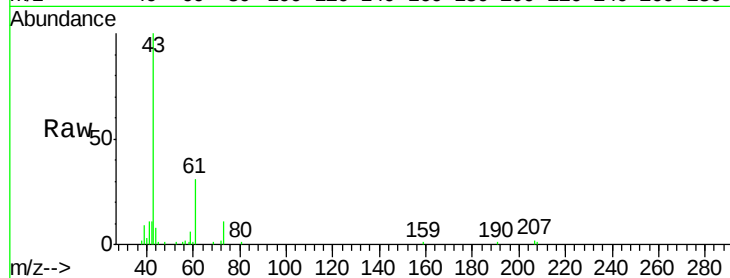
Tot Ion: 43 Resp: 28190

Ion Ratio Lower Upper

43 100

61 30.8 20.5 30.7#

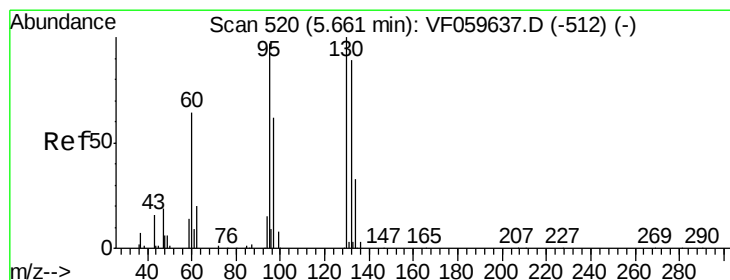
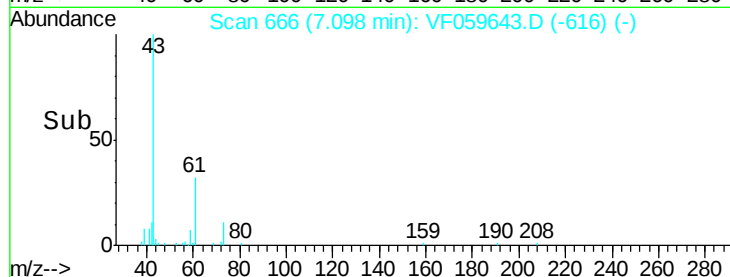
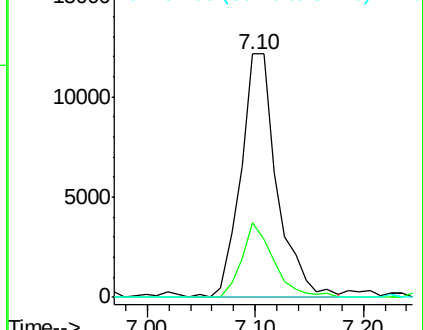
87 0.0 0.4 0.6#



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: 23.505 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.00 min

Lab File: VF059643.D

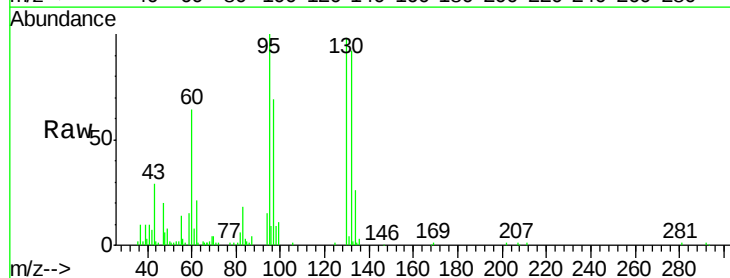
Acq: 24 Jul 2018 21:12

Tgt Ion:130 Resp: 54284

Ion Ratio Lower Upper

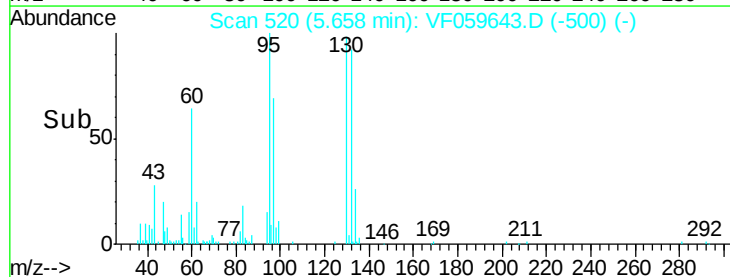
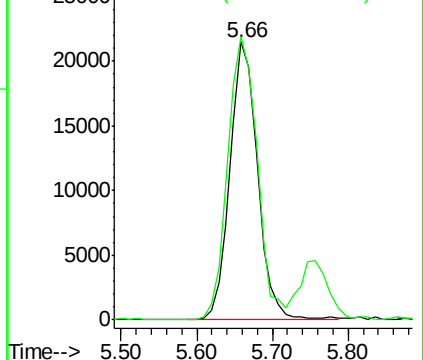
130 100

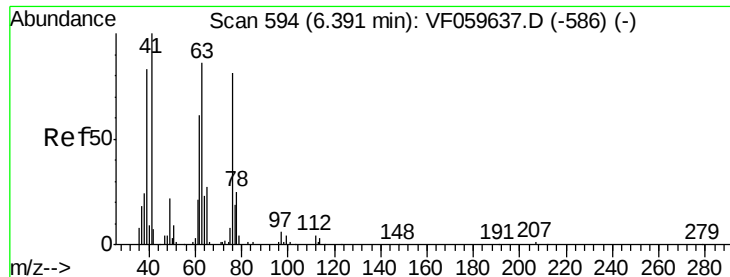
95 101.8 0.0 193.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.528 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

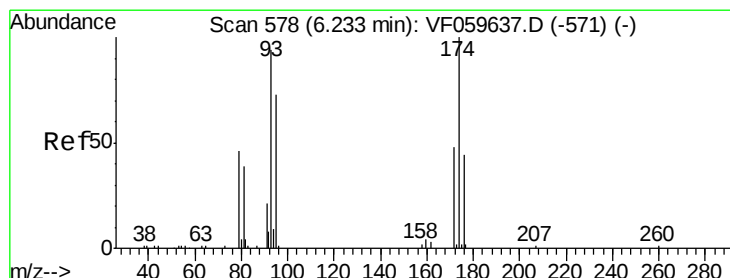
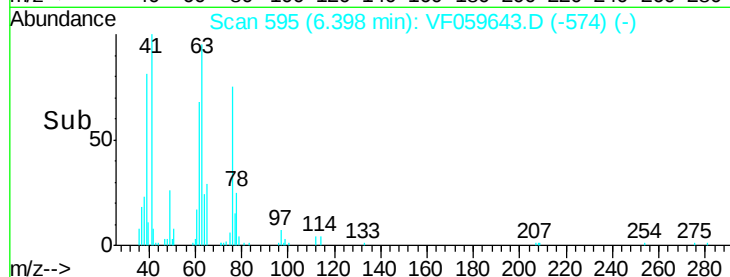
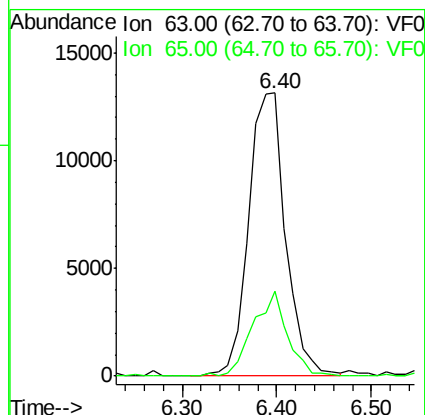
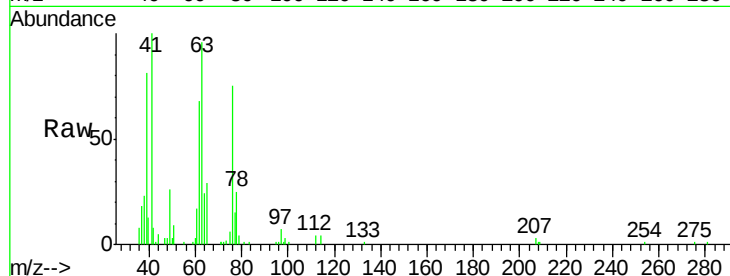
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 35689

Ion Ratio Lower Upper

63 100

65 30.2 25.1 37.7



#46

Dibromomethane

Concen: 20.145 ug/l

RT: 6.24 min Scan# 579

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

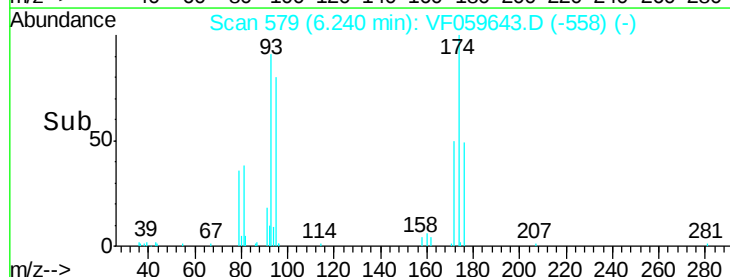
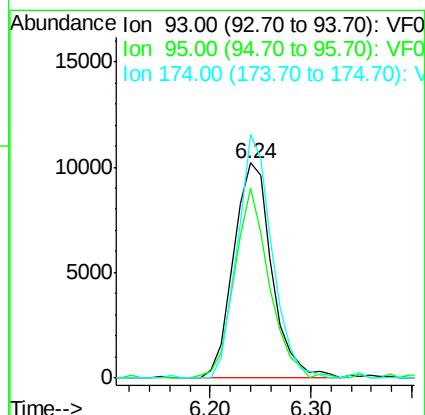
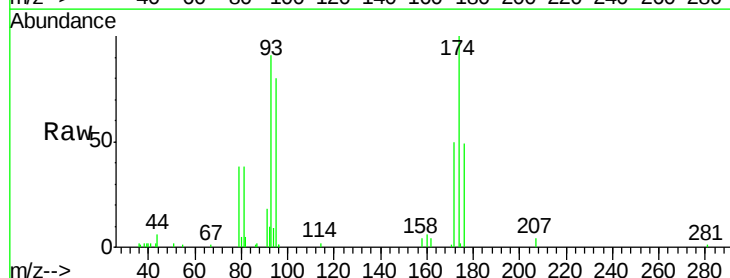
Tgt Ion: 93 Resp: 26957

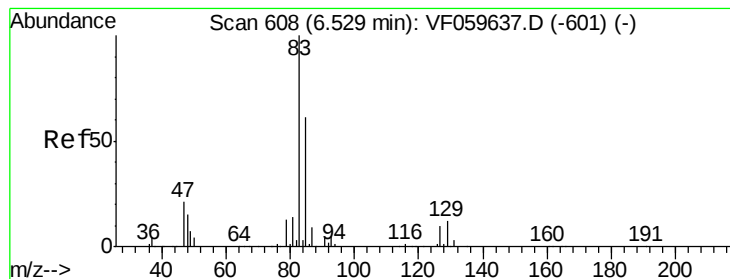
Ion Ratio Lower Upper

93 100

95 88.4 63.1 94.7

174 113.0 85.3 127.9





#47

Bromodichloromethane

Concen: 21.388 ug/l

RT: 6.54 min Scan# 609

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

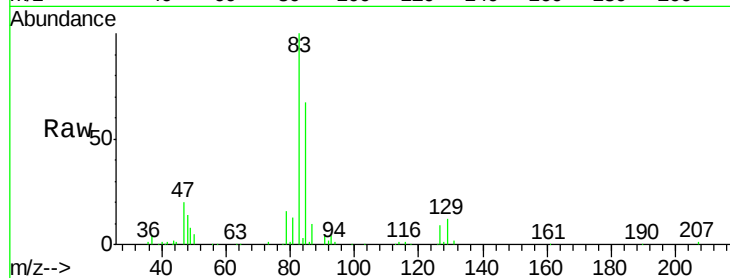
Tot Ion: 83 Resp: 83679

Ion Ratio Lower Upper

83 100

85 67.4 48.6 72.8

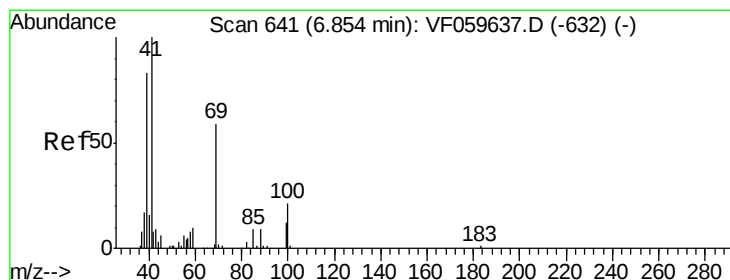
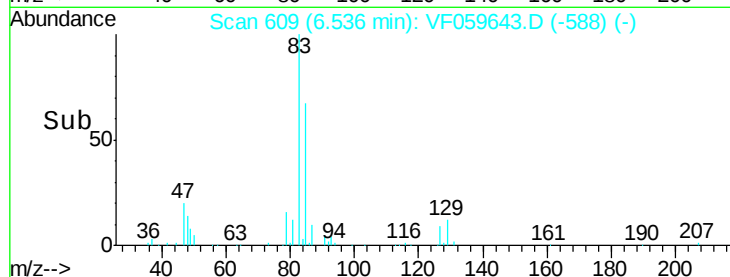
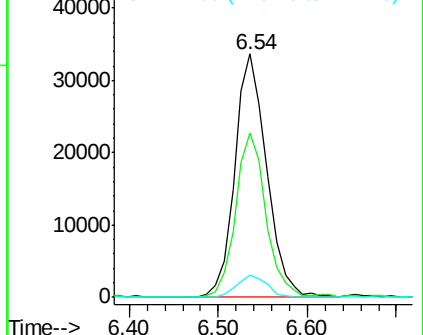
127 8.9 7.7 11.5



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: 19.617 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

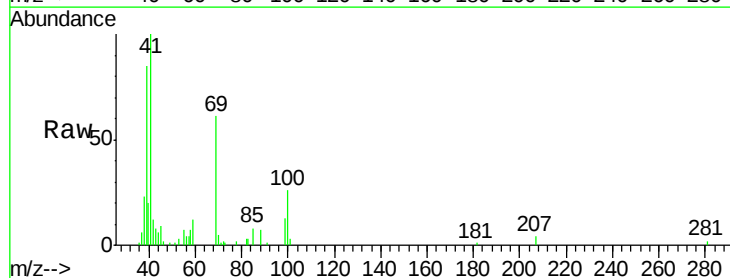
Tgt Ion: 41 Resp: 21482

Ion Ratio Lower Upper

41 100

69 60.9 47.5 71.3

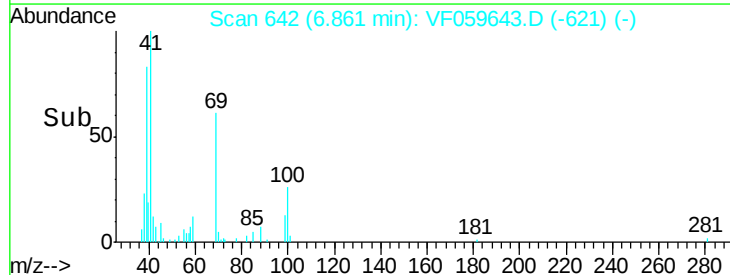
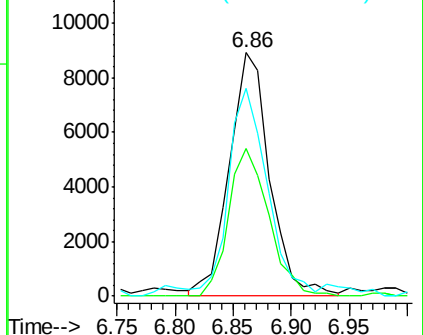
39 85.2 67.0 100.6

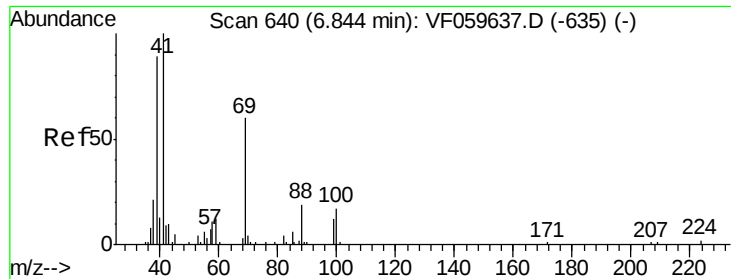


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

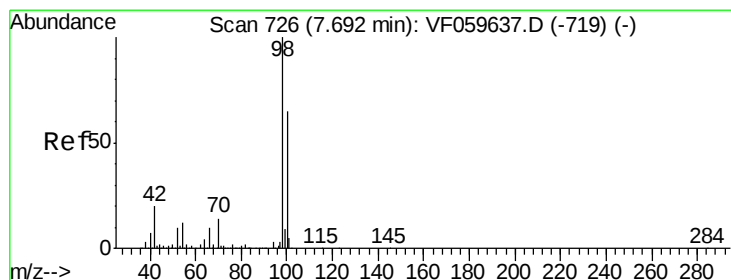
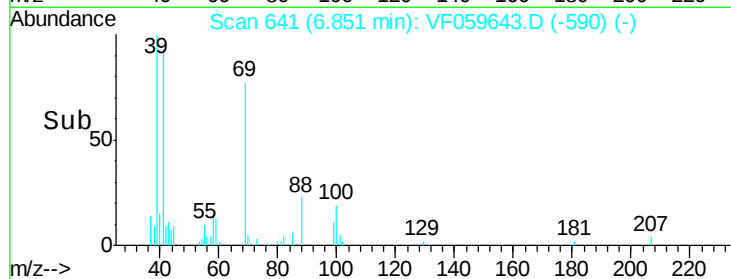
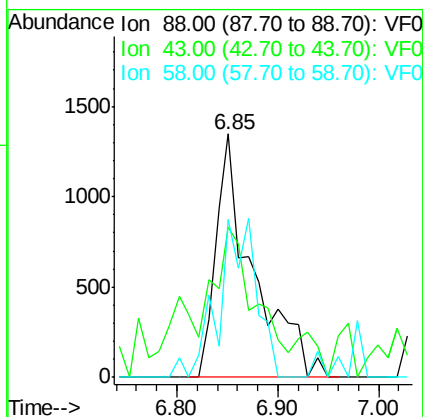
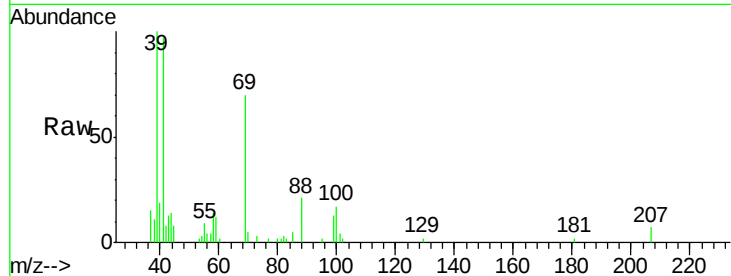




#49
1,4-Dioxane
Concen: 409.632 ug/l
RT: 6.85 min Scan# 641
Delta R.T. 0.01 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

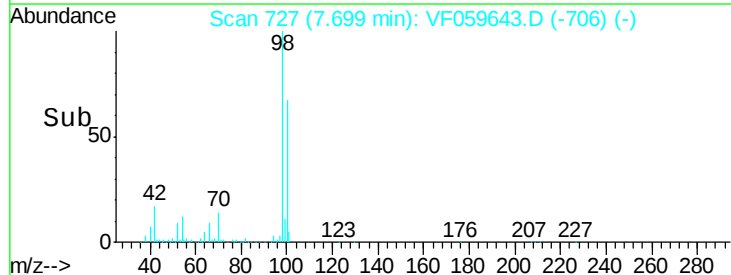
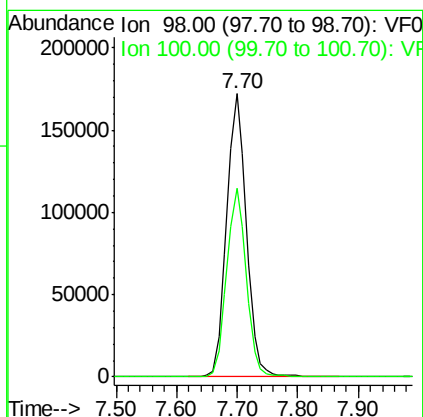
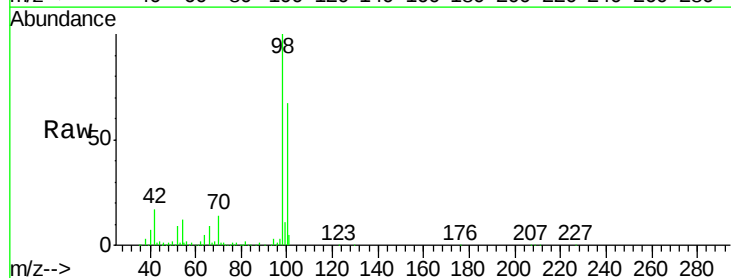
Instrument :
MSVOA_F
ClientSampleId :

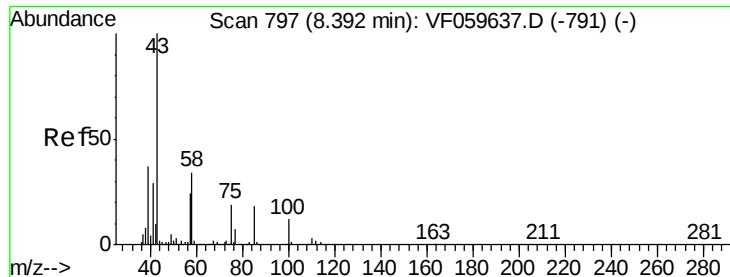
Tot Ion: 88 Resp: 3452
Ion Ratio Lower Upper
88 100
43 61.8 45.3 67.9
58 64.8 47.7 71.5



#50
Toluene-d8
Concen: 54.240 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.01 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Tgt Ion: 98 Resp: 392790
Ion Ratio Lower Upper
98 100
100 66.8 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 98.334 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

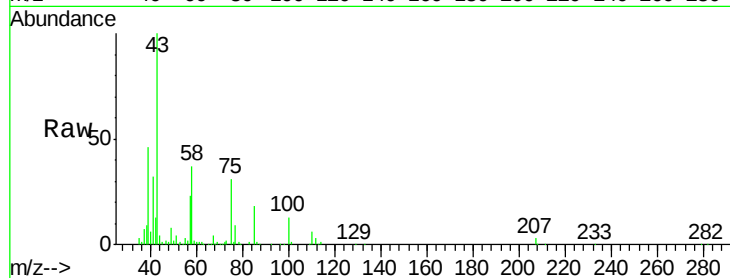
ClientSampled :

Tot Ion: 43 Resp: 107515

Ion Ratio Lower Upper

43 100

58 36.7 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

50000

40000

30000

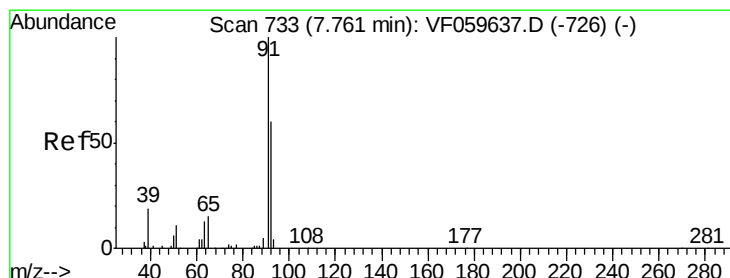
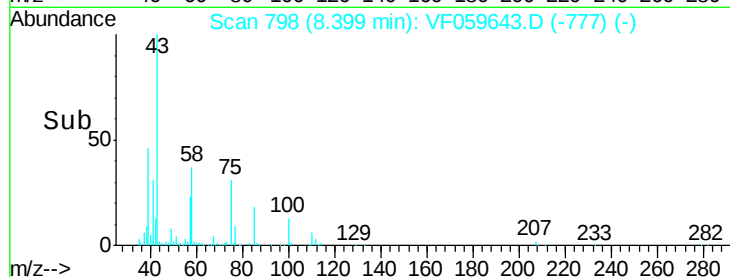
20000

10000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 21.700 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.01 min

Lab File: VF059643.D

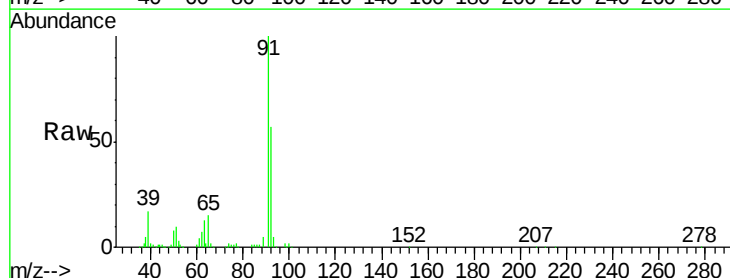
Acq: 24 Jul 2018 21:12

Tgt Ion: 92 Resp: 96011

Ion Ratio Lower Upper

92 100

91 174.9 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

80000

60000

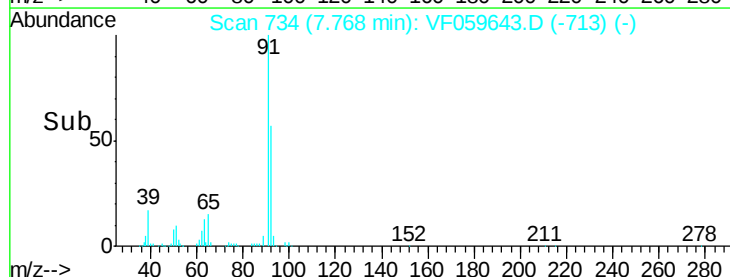
40000

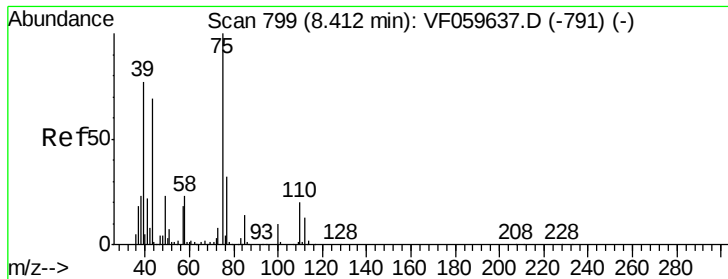
20000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.850 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

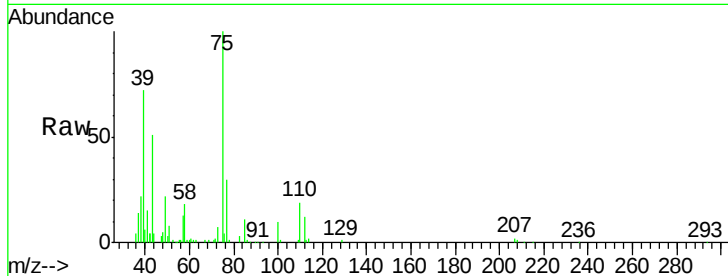
ClientSampleId :

Tot Ion: 75 Resp: 61883

Ion Ratio Lower Upper

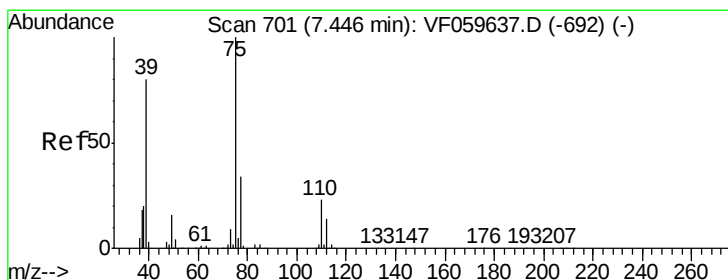
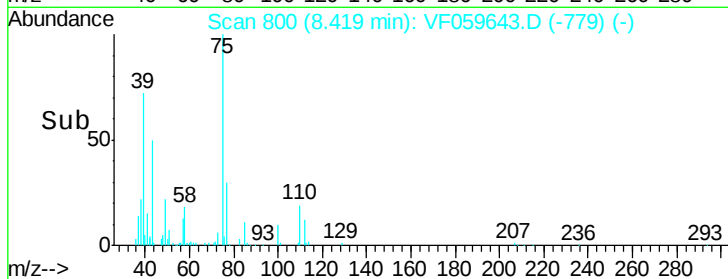
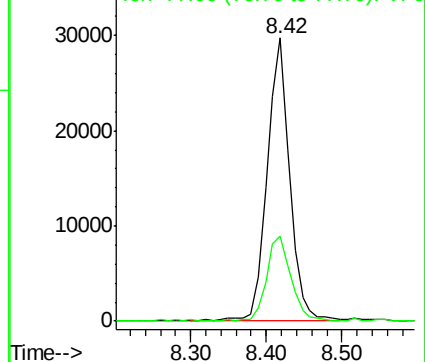
75 100

77 29.9 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 21.041 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

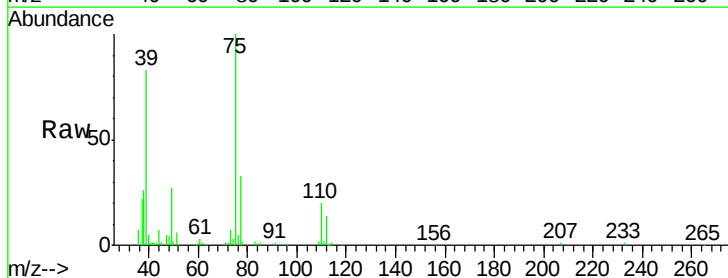
Tgt Ion: 75 Resp: 69340

Ion Ratio Lower Upper

75 100

77 32.8 27.5 41.3

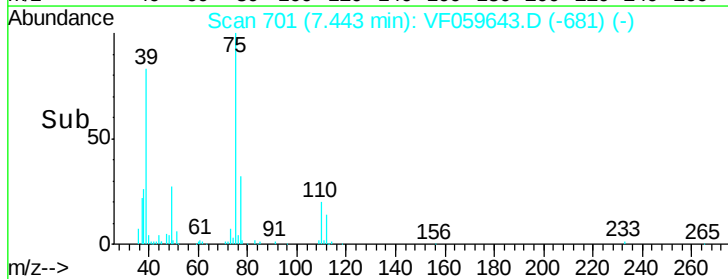
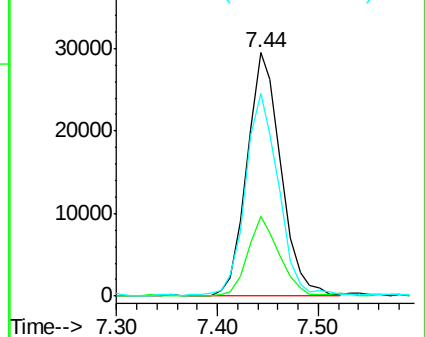
39 83.0 64.4 96.6

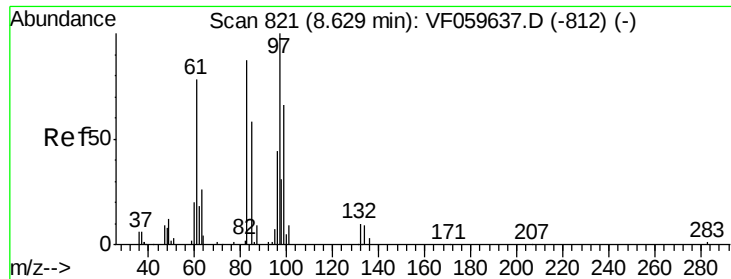


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.174 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 29540

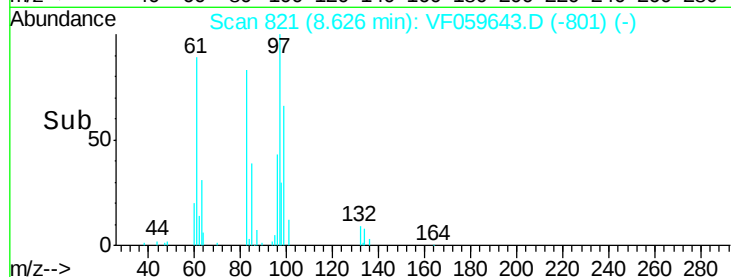
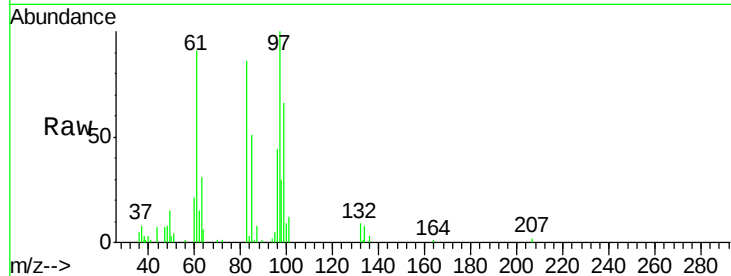
Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.5	104.3
85	51.3	46.0	69.0
99	66.3	53.2	79.8

97 100

83 86.0 69.5 104.3

85 51.3 46.0 69.0

99 66.3 53.2 79.8

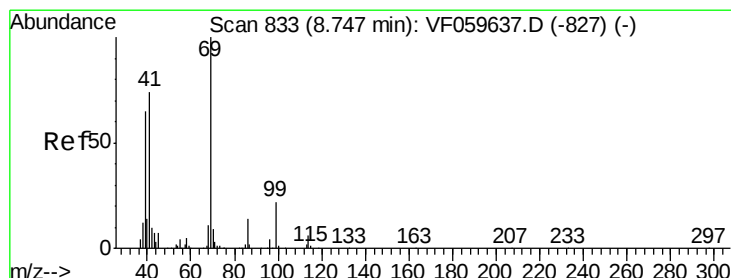
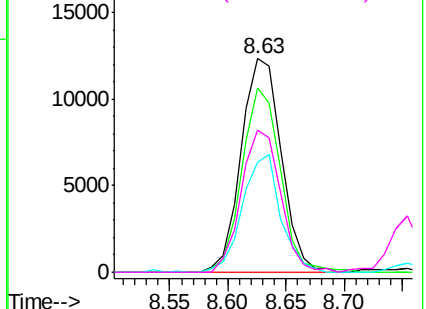


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.735 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

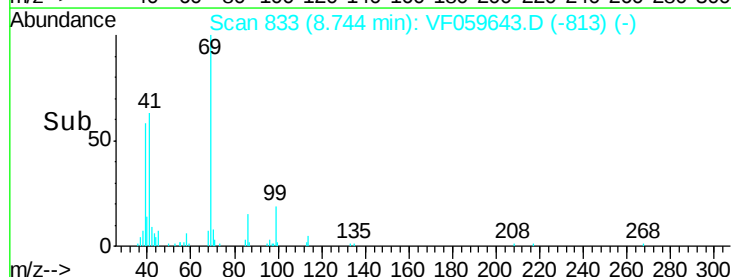
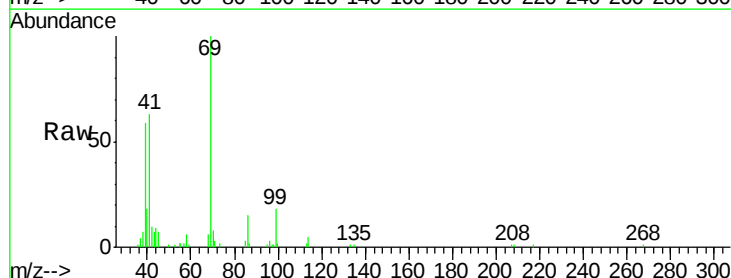
Tgt Ion: 69 Resp: 29431

Ion	Ratio	Lower	Upper
69	100		
41	62.6	59.1	88.7
39	59.1	52.4	78.6

69 100

41 62.6 59.1 88.7

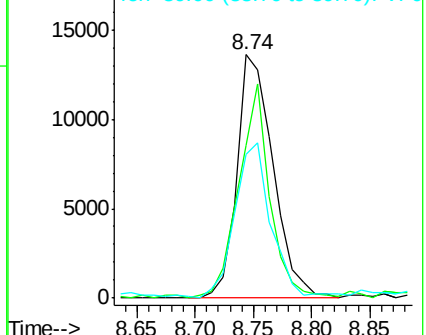
39 59.1 52.4 78.6

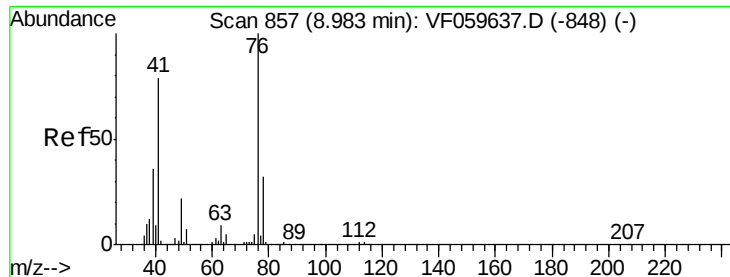


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.083 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

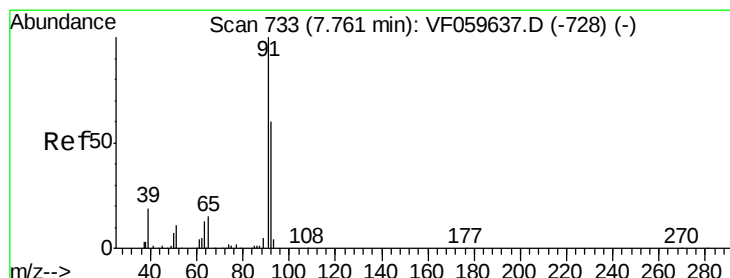
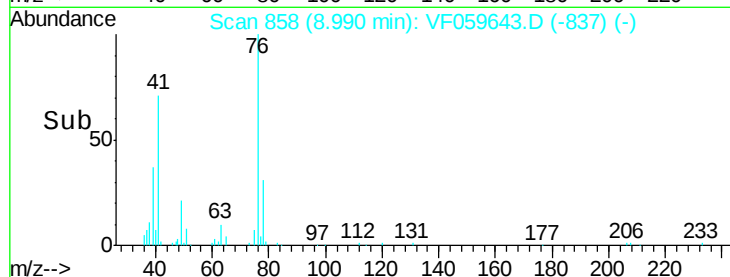
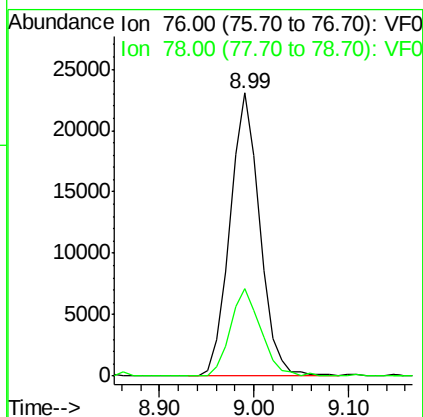
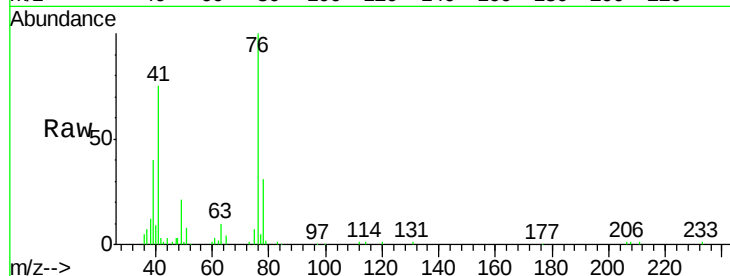
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 50357

Ion Ratio Lower Upper

76 100

78 30.8 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 104.863 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.01 min

Lab File: VF059643.D

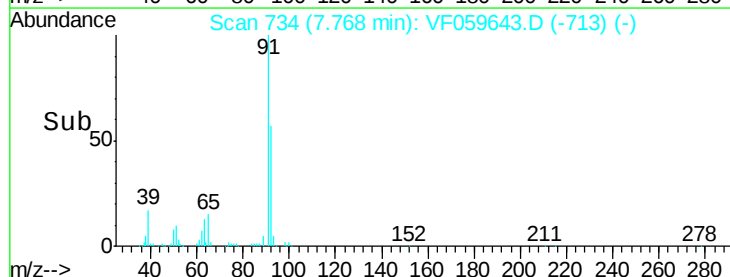
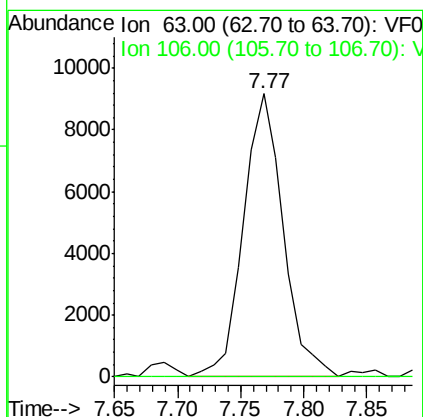
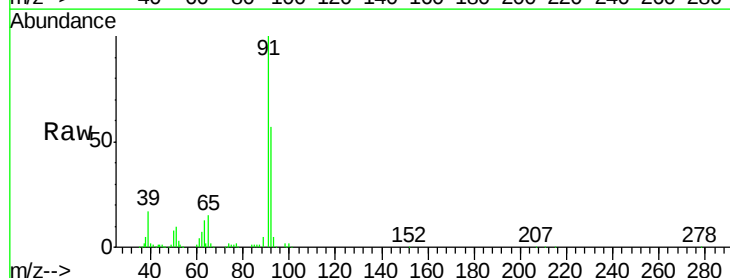
Acq: 24 Jul 2018 21:12

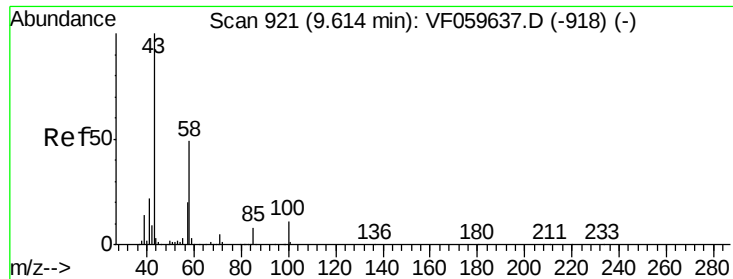
Tgt Ion: 63 Resp: 20073

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

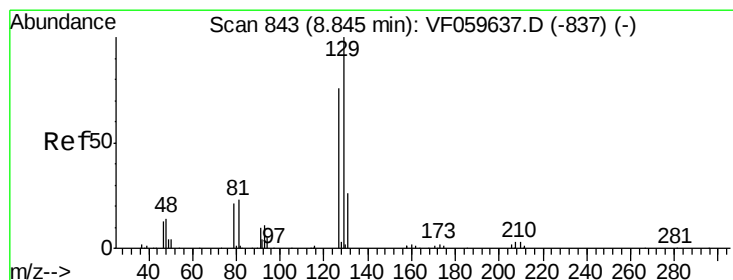
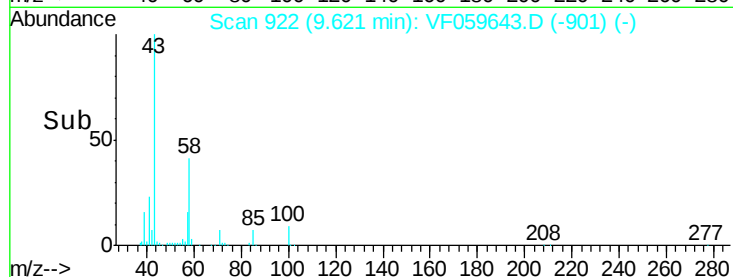
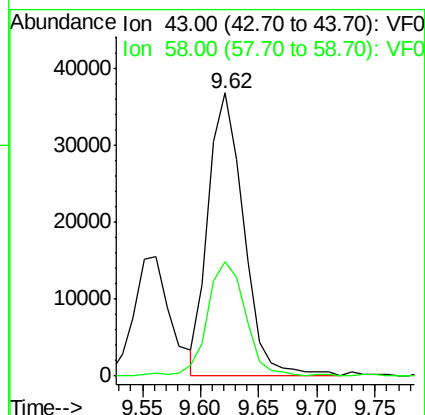
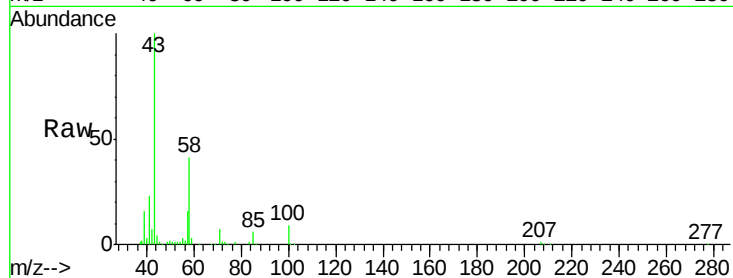




#59
2-Hexanone
Concen: 92.617 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

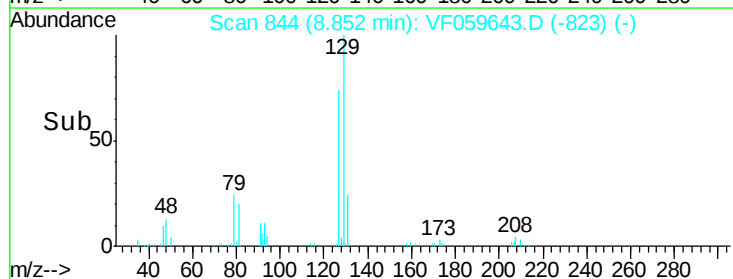
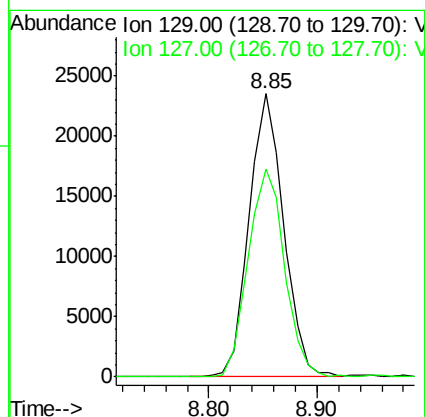
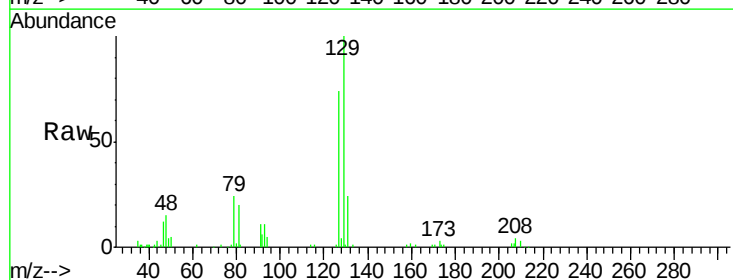
Instrument :
MSVOA_F
ClientSampled :

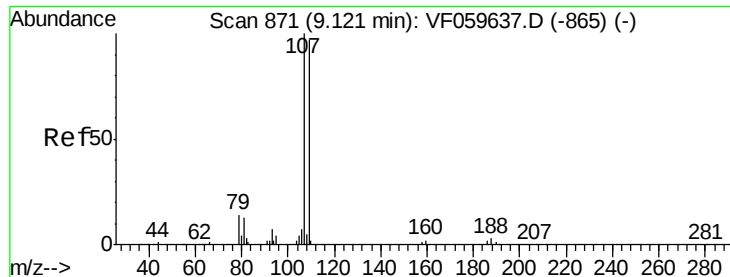
Tot Ion: 43 Resp: 77331
Ion Ratio Lower Upper
43 100
58 40.5 23.6 71.0



#60
Dibromochloromethane
Concen: 20.268 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.01 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Tgt Ion: 129 Resp: 52280
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 18.547 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

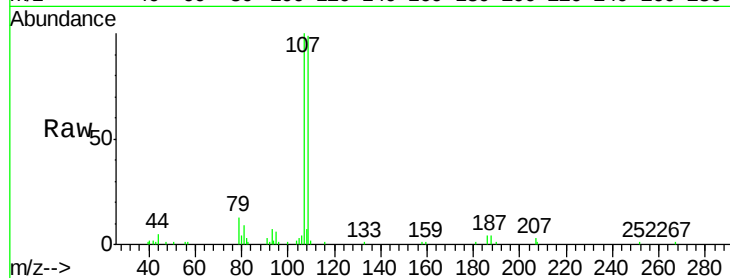
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 31596

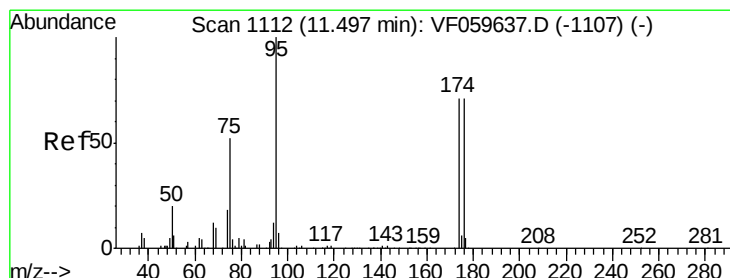
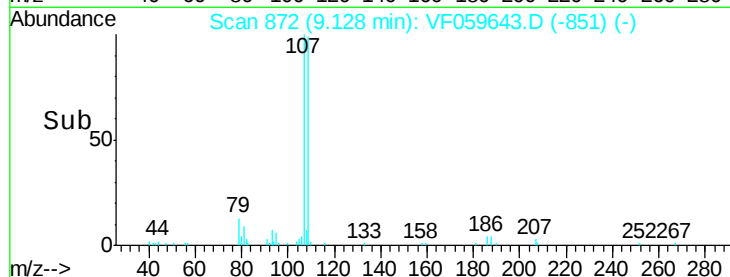
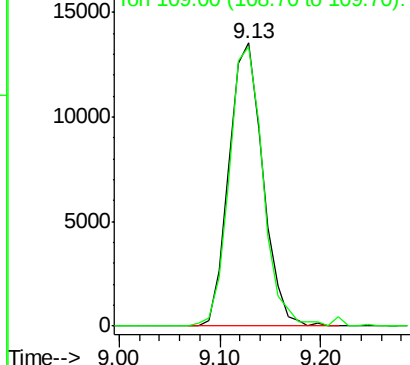
Ion Ratio Lower Upper

107 100

109 98.6 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: 51.713 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

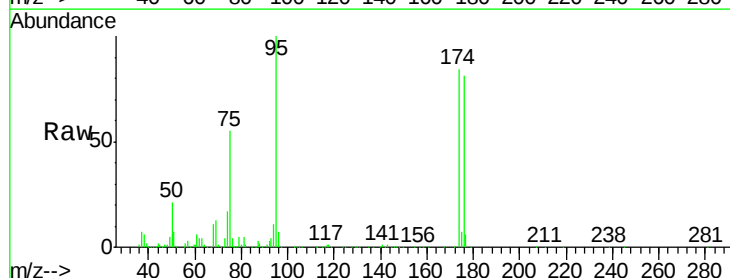
Tgt Ion: 95 Resp: 192432

Ion Ratio Lower Upper

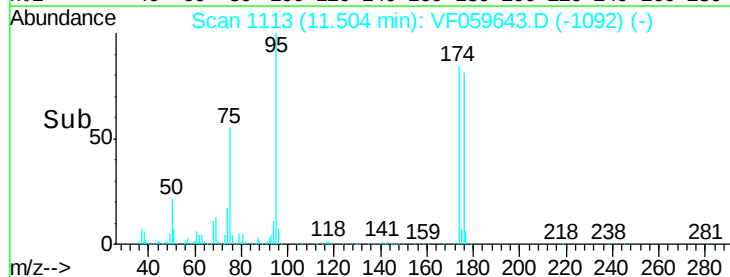
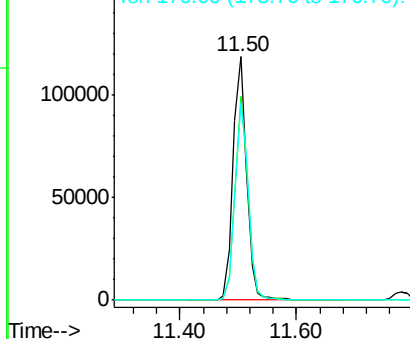
95 100

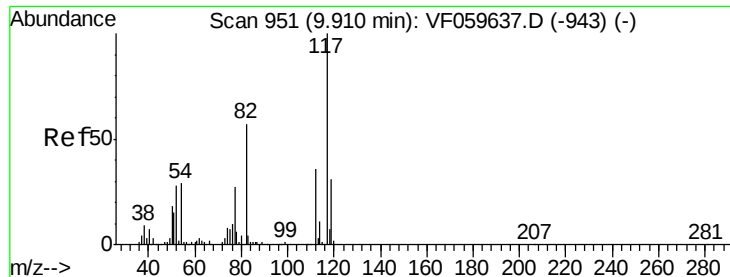
174 83.6 0.0 141.8

176 80.9 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

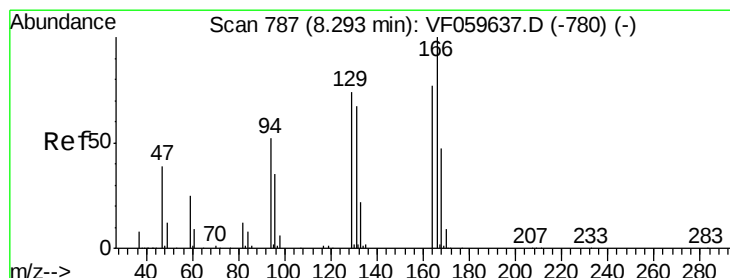
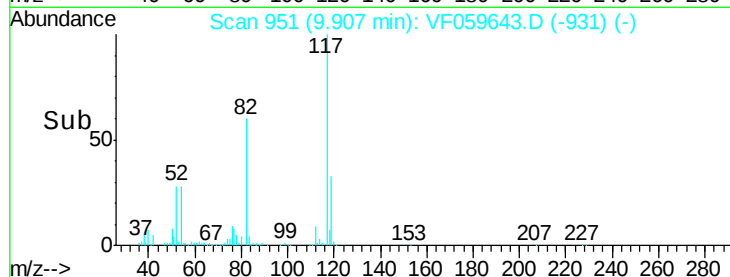
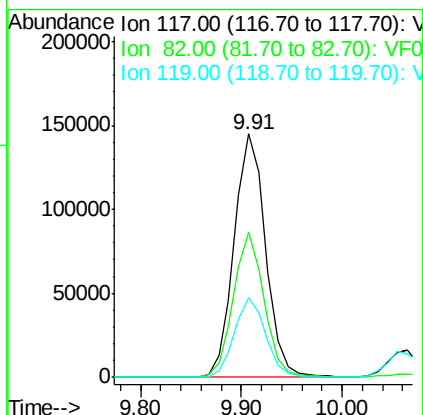
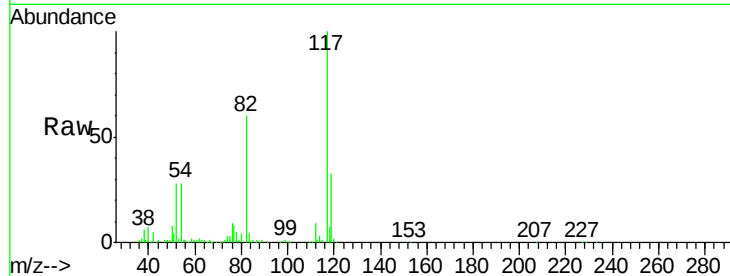




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

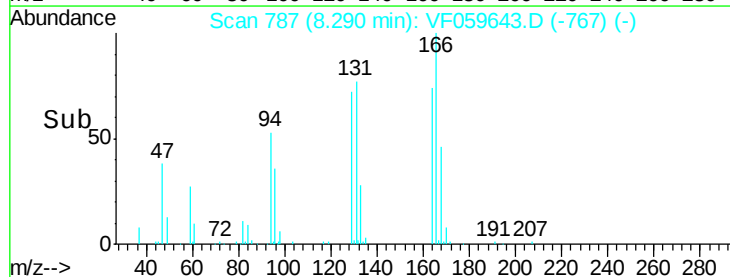
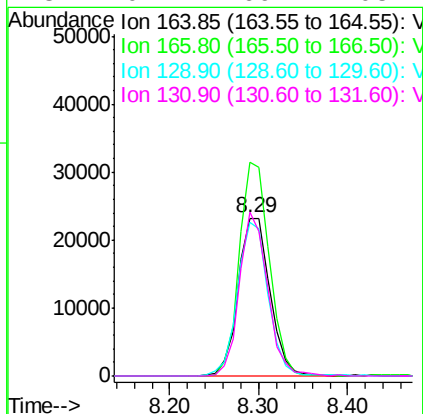
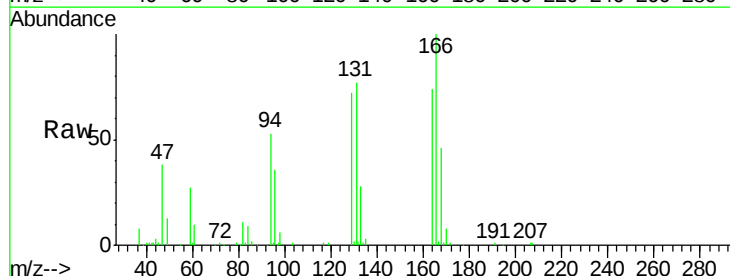
Instrument :
MSVOA_F
ClientSampleId :

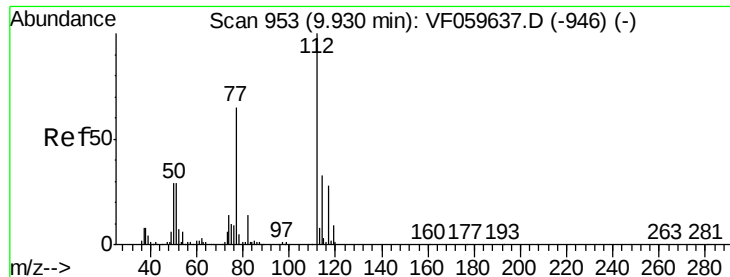
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	45.9	68.9
119	32.9	25.1	37.7



#64
Tetrachloroethene
Concen: 23.098 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.5	103.3	154.9
129	97.7	76.2	114.2
131	104.1	69.1	103.7#





#65

Chlorobenzene

Concen: 21.133 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

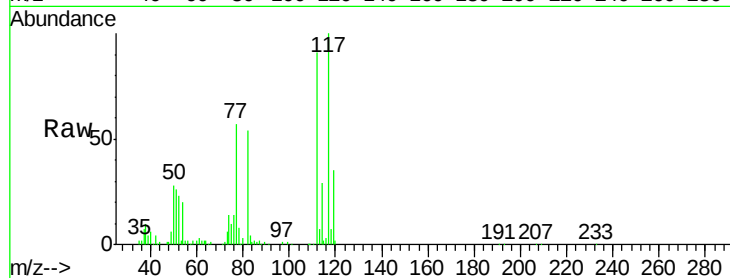
ClientSampleId :

Tot Ion:112 Resp: 123231

Ion Ratio Lower Upper

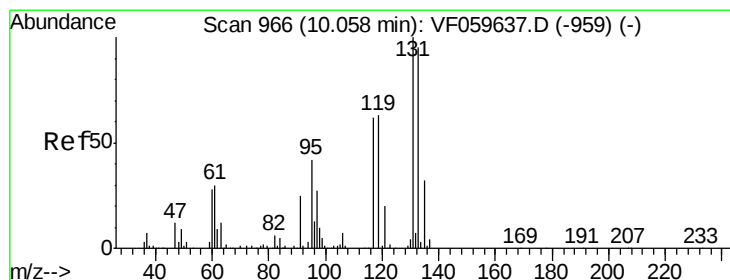
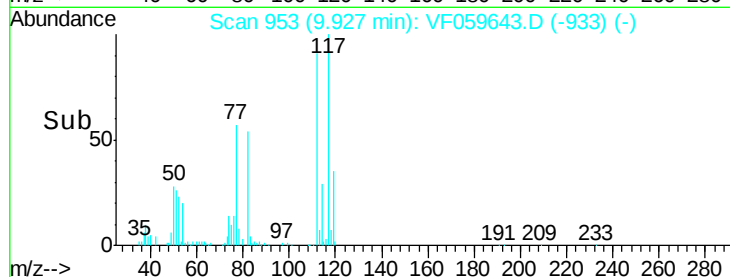
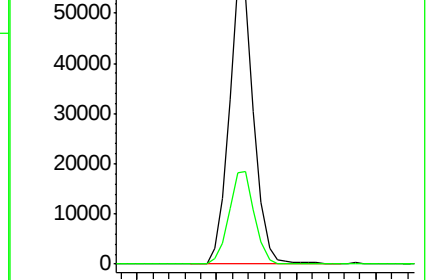
112 100

114 32.1 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.533 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

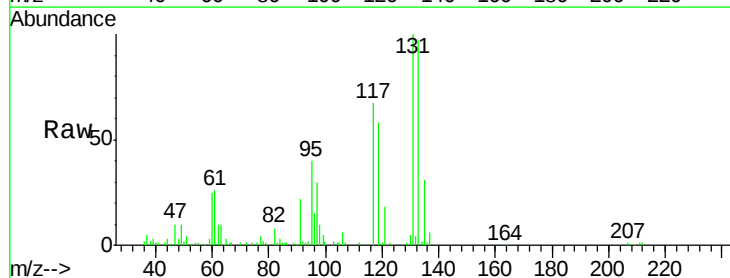
Tgt Ion:131 Resp: 55503

Ion Ratio Lower Upper

131 100

133 97.5 47.5 142.6

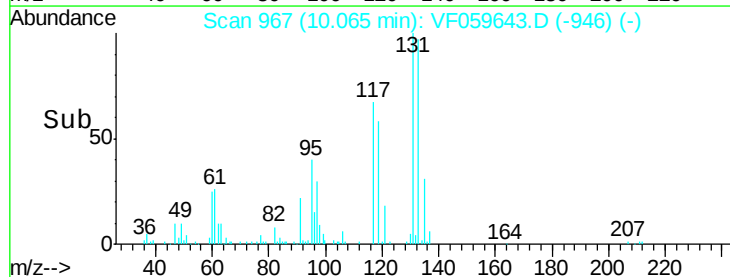
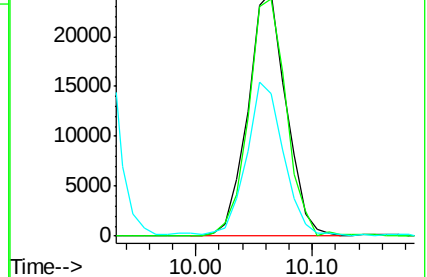
119 58.3 31.8 95.4

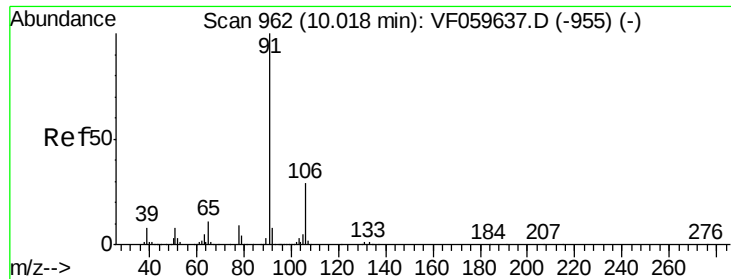


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

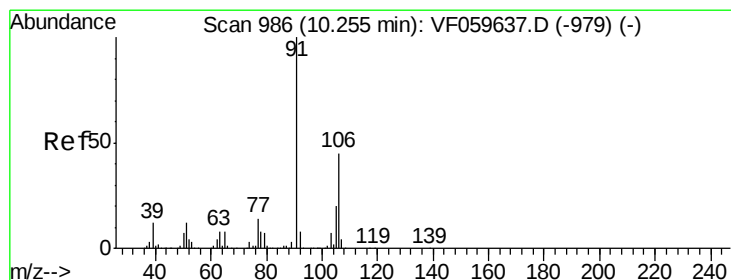
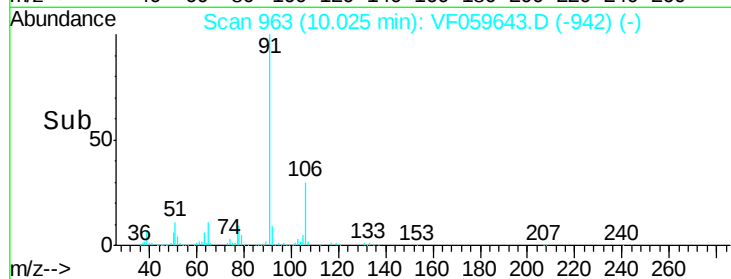
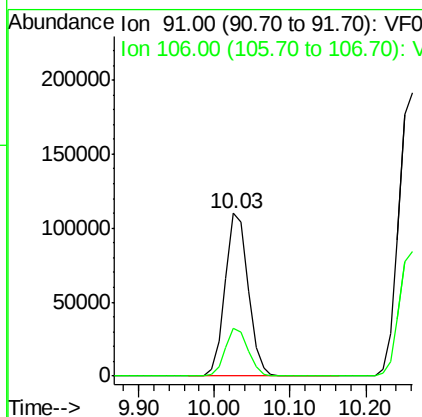
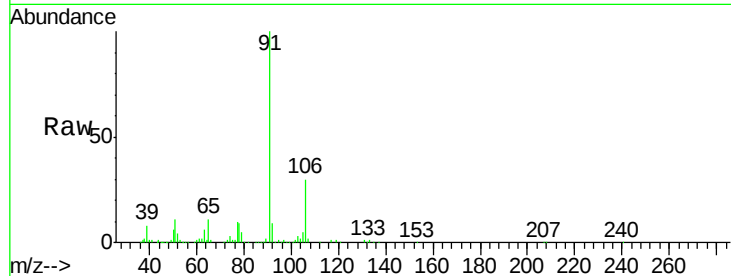




#67
Ethyl Benzene
Concen: 22.351 ug/l
RT: 10.03 min Scan# 963
Delta R.T. 0.01 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

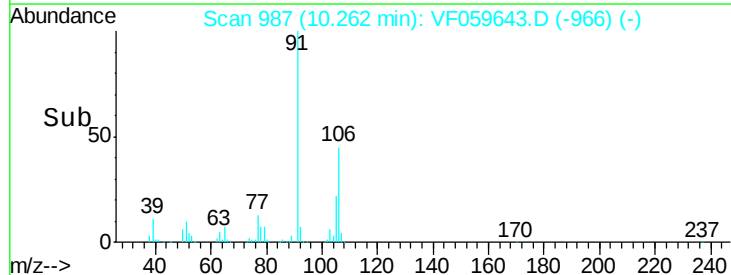
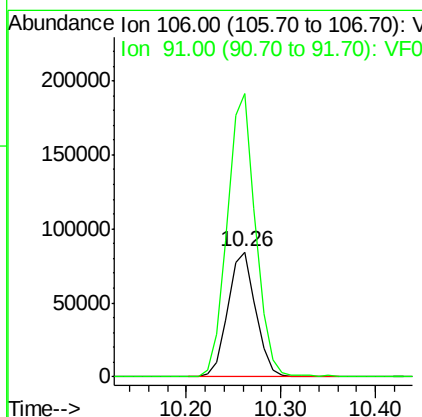
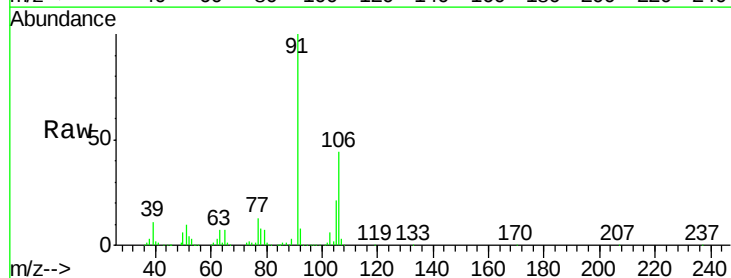
Instrument :
MSVOA_F
ClientSampled :

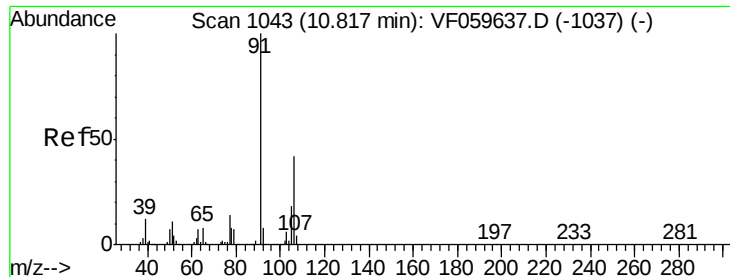
Tot Ion: 91 Resp: 234207
Ion Ratio Lower Upper
91 100
106 29.7 23.4 35.0



#68
m/p-Xylenes
Concen: 46.059 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Tgt Ion: 106 Resp: 172440
Ion Ratio Lower Upper
106 100
91 226.7 177.8 266.8

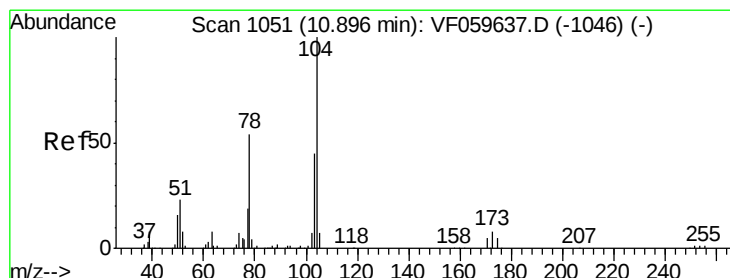
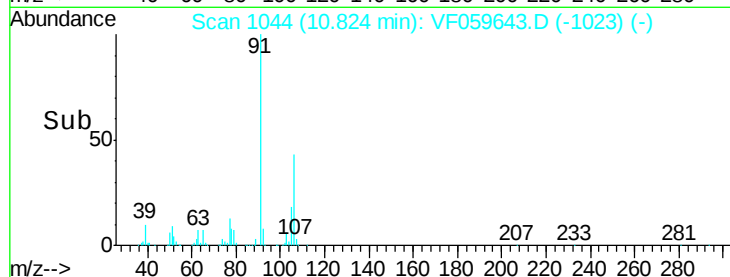
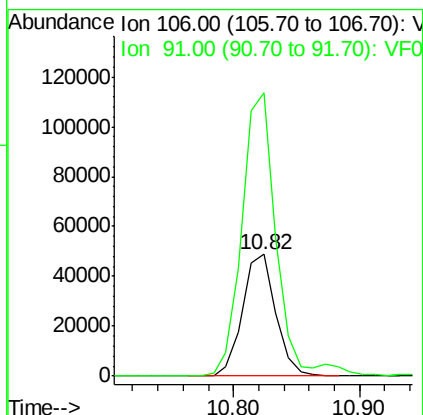
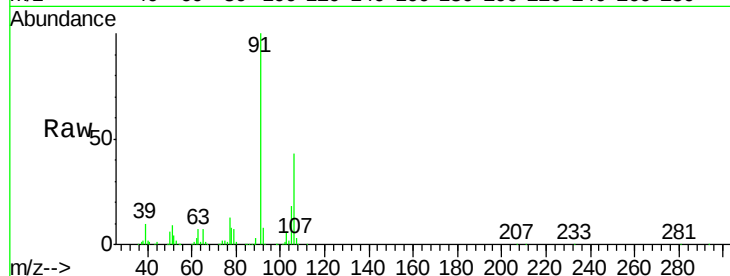




#69
o-Xylene
Concen: 22.551 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

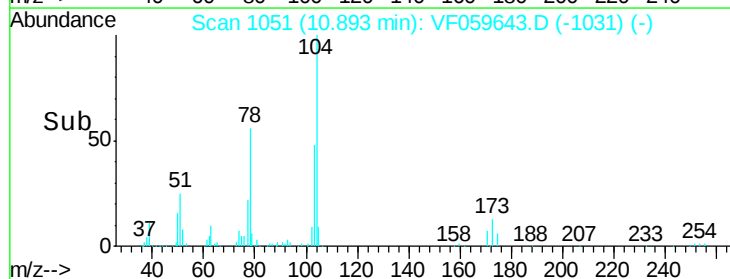
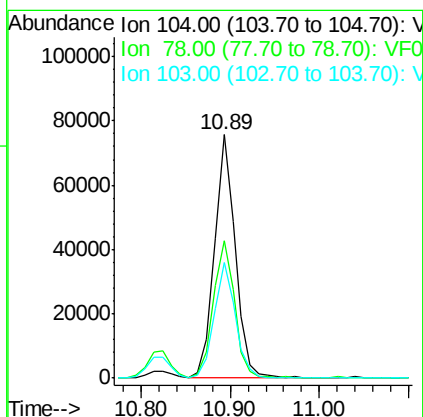
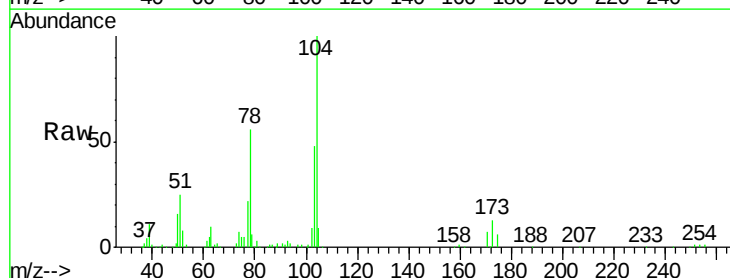
Instrument :
MSVOA_F
ClientSampled :

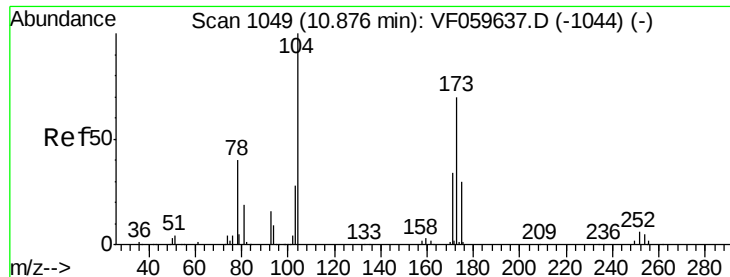
Tot Ion:106 Resp: 89874
Ion Ratio Lower Upper
106 100
91 232.0 119.3 357.9



#70
Styrene
Concen: 21.503 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Tgt Ion:104 Resp: 123762
Ion Ratio Lower Upper
104 100
78 56.4 43.4 65.2
103 47.7 36.7 55.1





#71

Bromoform

Concen: 20.221 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

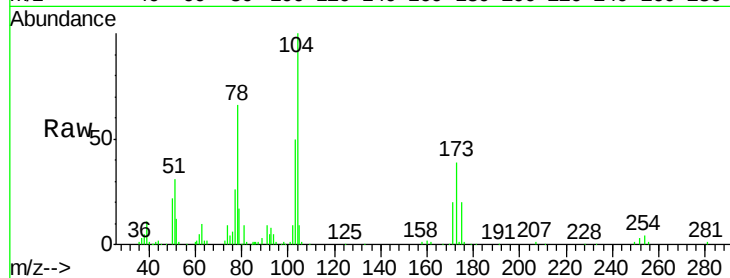
Tot Ion:173 Resp: 30771

Ion Ratio Lower Upper

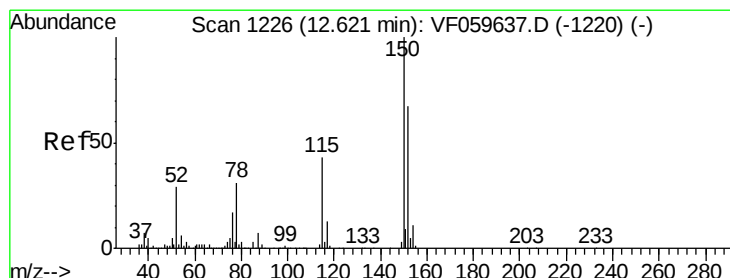
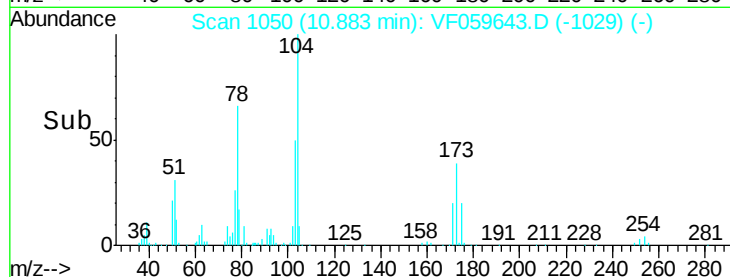
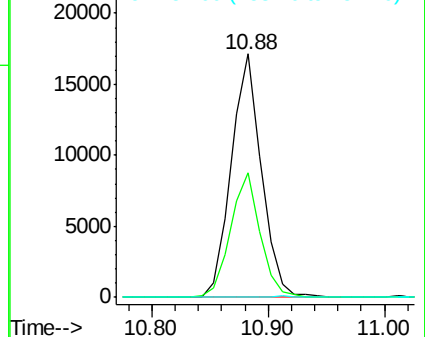
173 100

175 51.3 21.6 65.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

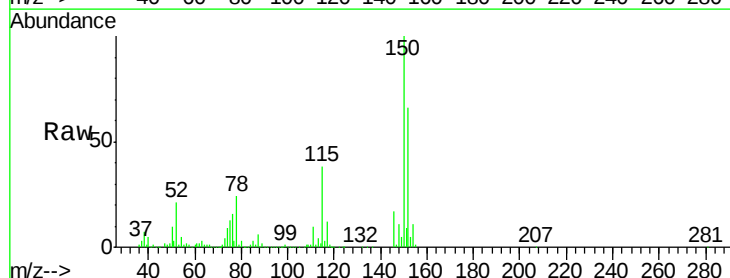
Tgt Ion:152 Resp: 205072

Ion Ratio Lower Upper

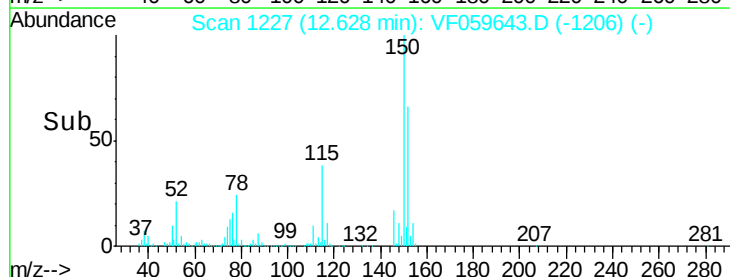
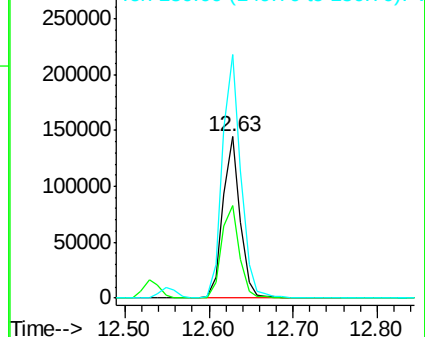
152 100

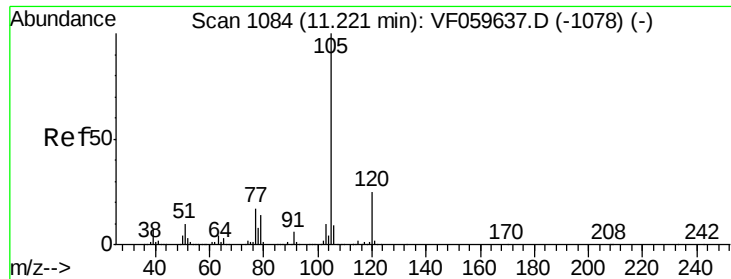
115 57.8 32.0 96.2

150 151.1 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: 22.690 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

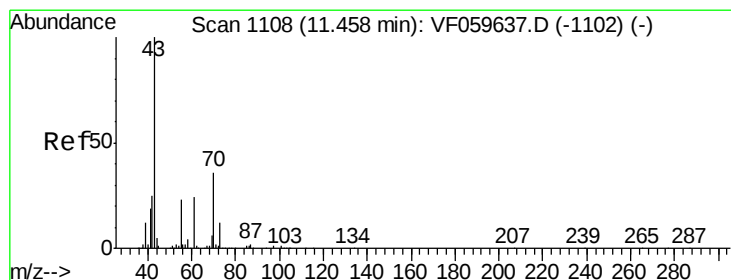
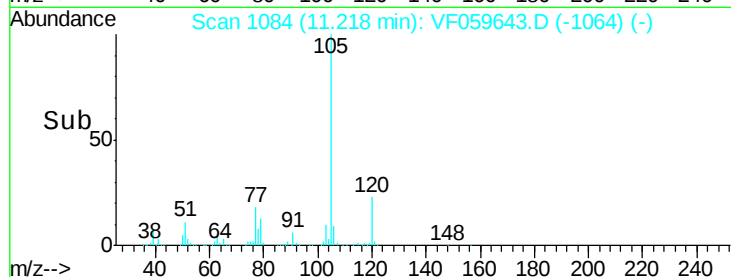
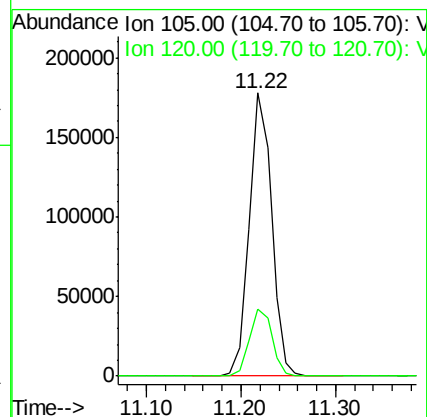
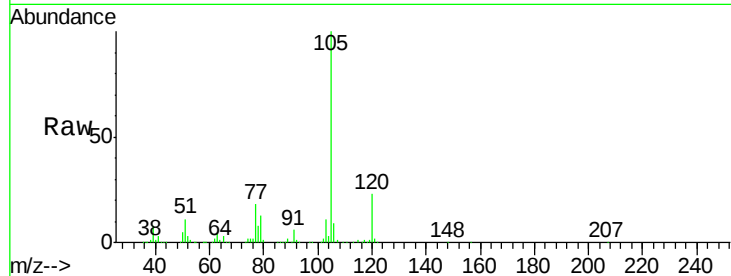
ClientSampleId :

Tot Ion:105 Resp: 292443

Ion Ratio Lower Upper

105 100

120 23.5 12.6 37.8



#74

N-ethyl acetate

Concen: 18.420 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Tgt Ion: 43 Resp: 50906

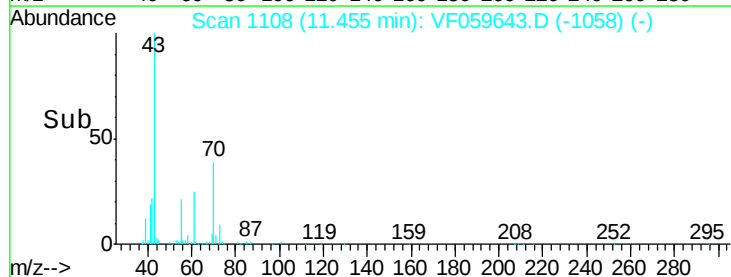
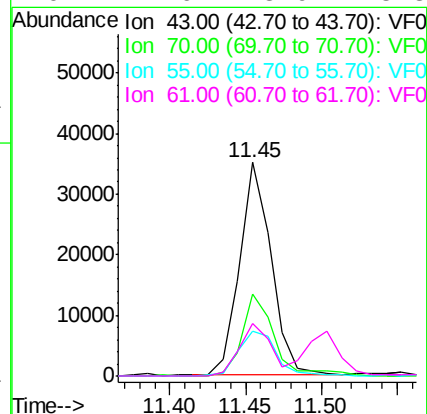
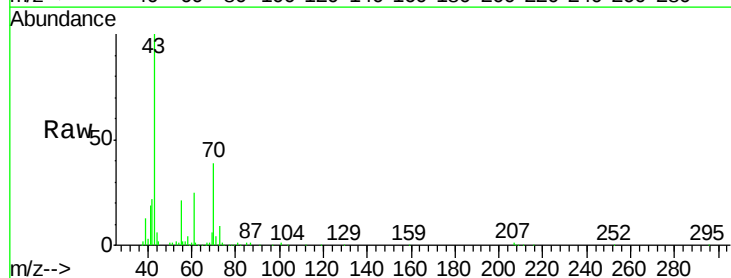
Ion Ratio Lower Upper

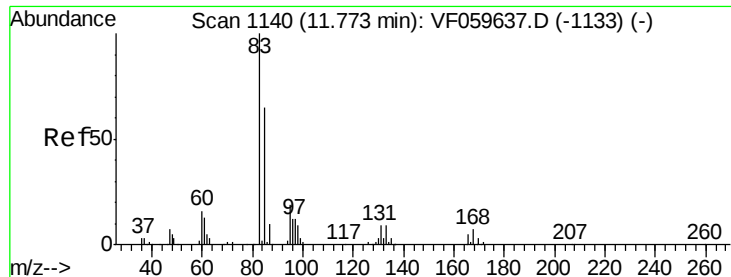
43 100

70 38.6 29.4 44.0

55 21.2 18.2 27.4

61 24.6 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.525 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

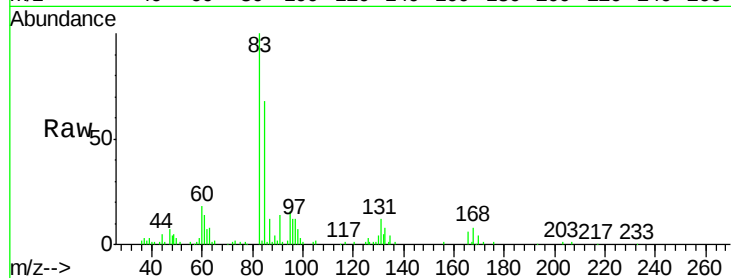
Tot Ion: 83 Resp: 40060

Ion Ratio Lower Upper

83 100

131 11.7 4.5 13.5

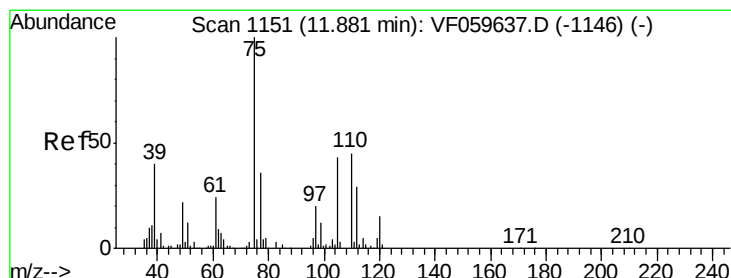
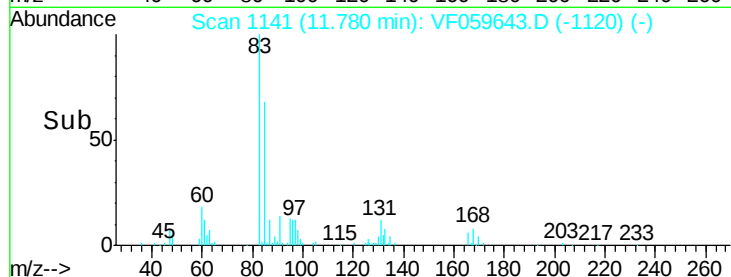
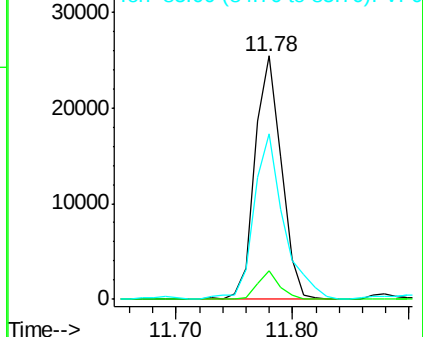
85 68.1 32.6 97.7



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: 20.457 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059643.D

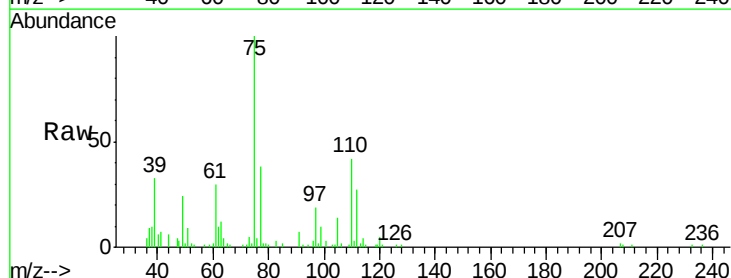
Acq: 24 Jul 2018 21:12

Tgt Ion: 75 Resp: 32979

Ion Ratio Lower Upper

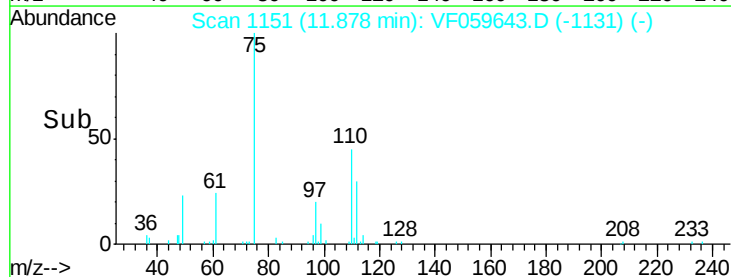
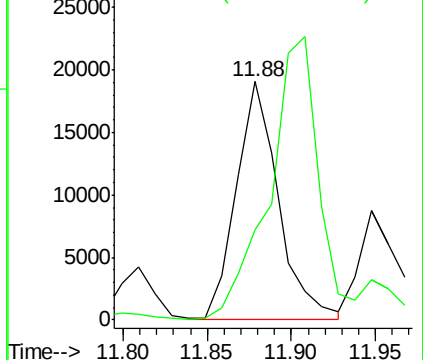
75 100

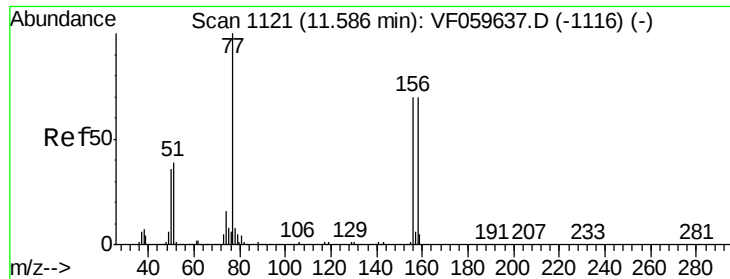
77 38.0 18.4 55.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.762 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

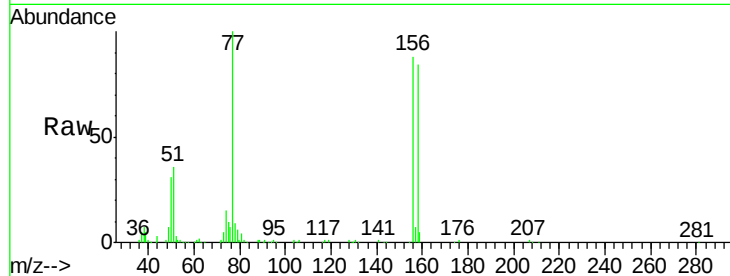
Tot Ion:156 Resp: 68616

Ion Ratio Lower Upper

156 100

77 113.2 71.5 214.3

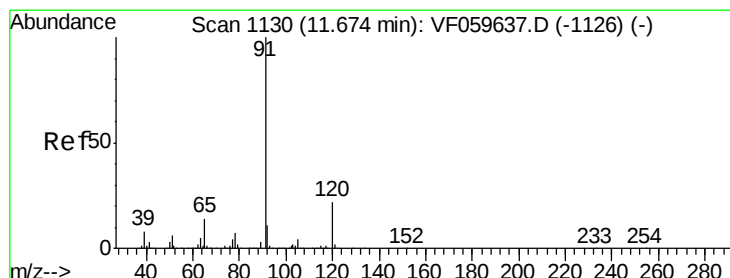
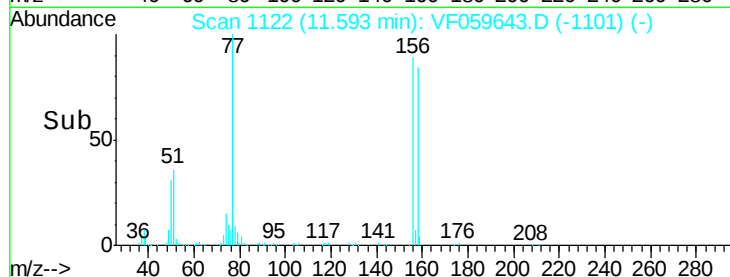
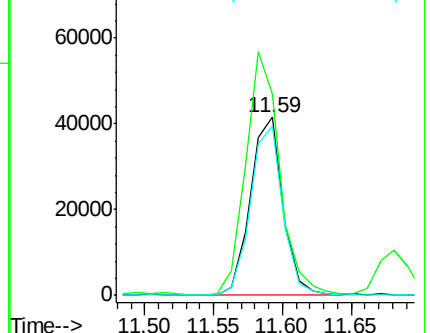
158 95.0 50.0 149.8



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: 22.395 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF059643.D

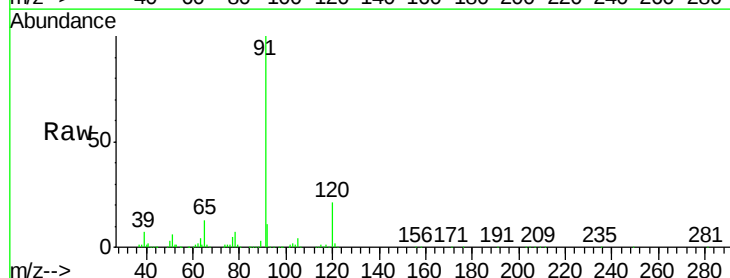
Acq: 24 Jul 2018 21:12

Tgt Ion: 91 Resp: 343588

Ion Ratio Lower Upper

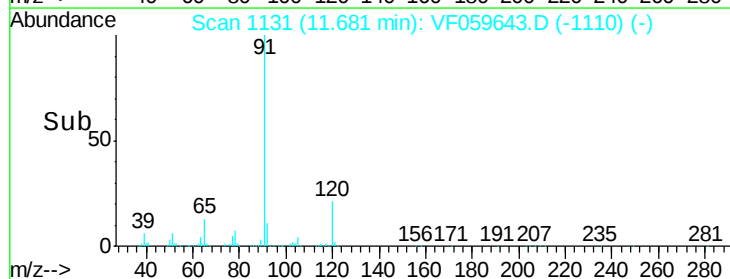
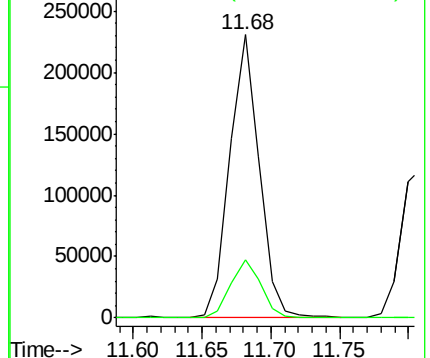
91 100

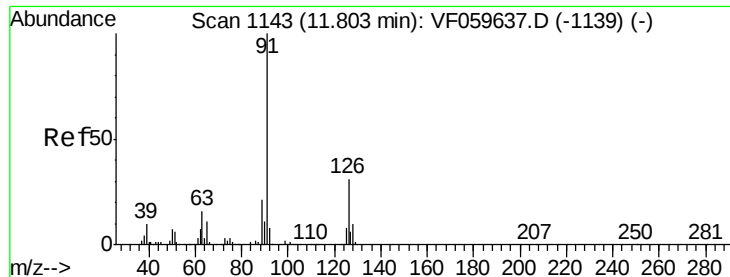
120 20.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.508 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

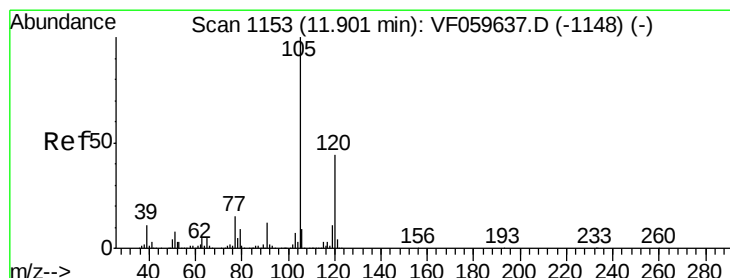
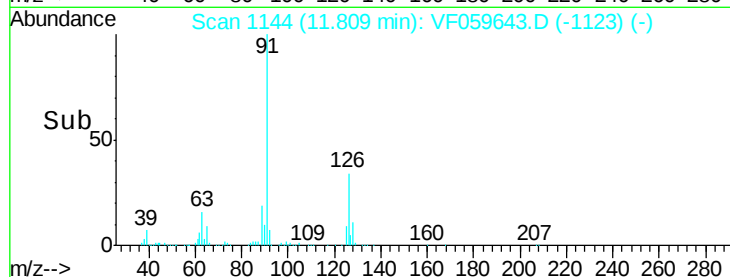
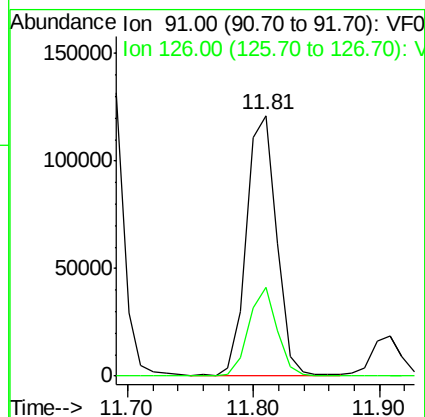
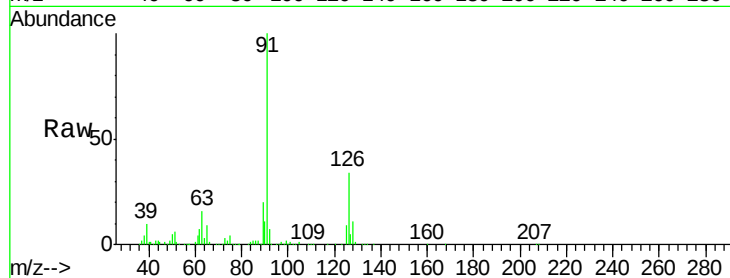
ClientSampleId :

Tot Ion: 91 Resp: 198591

Ion Ratio Lower Upper

91 100

126 34.0 15.4 46.4



#80

1,3,5-Trimethylbenzene

Concen: 21.976 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF059643.D

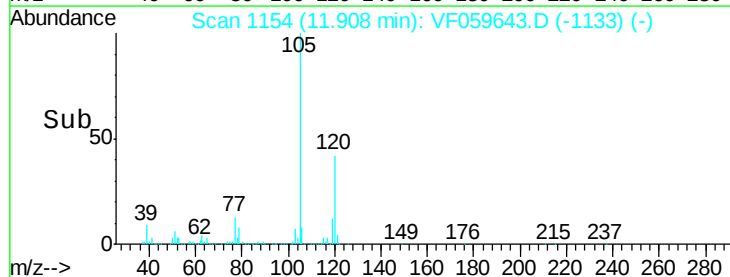
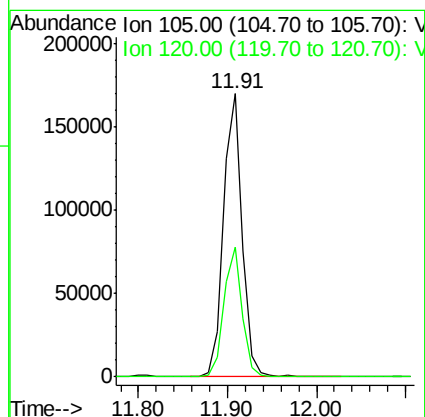
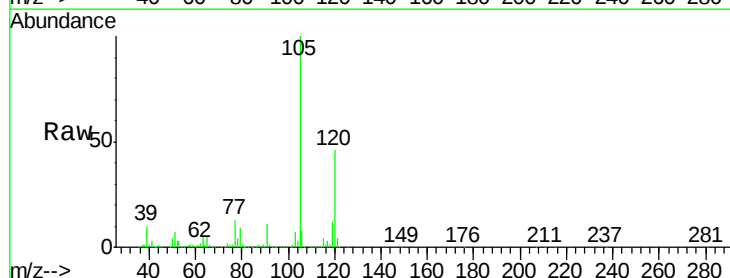
Acq: 24 Jul 2018 21:12

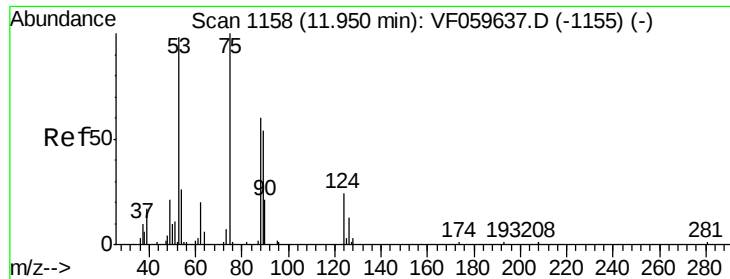
Tgt Ion:105 Resp: 251632

Ion Ratio Lower Upper

105 100

120 46.0 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.211 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

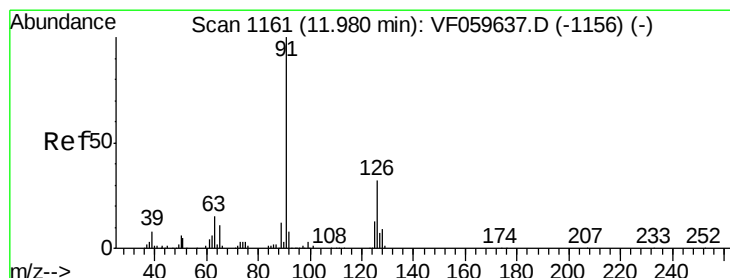
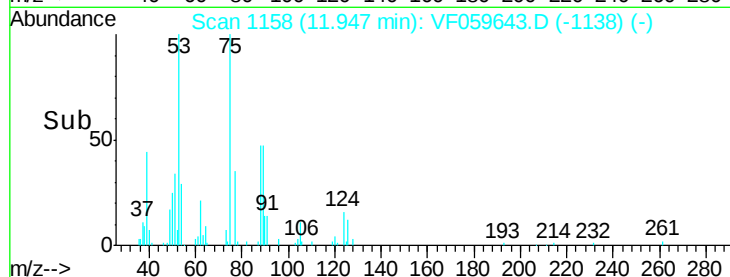
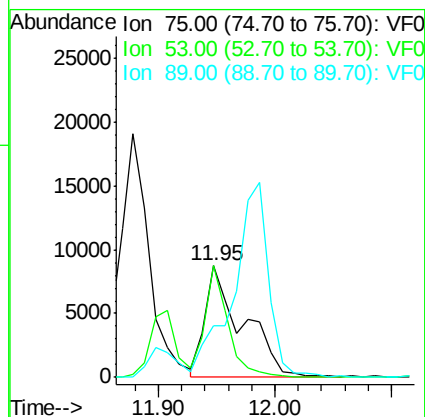
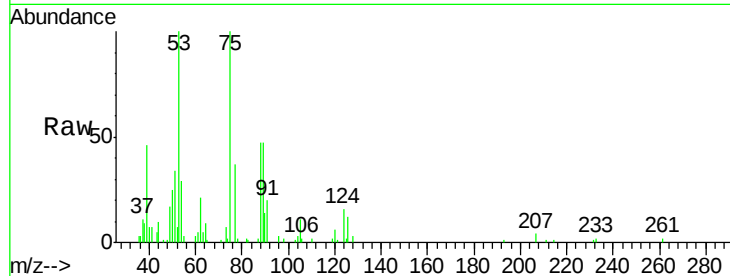
Tot Ion: 75 Resp: 20056

Ion Ratio Lower Upper

75 100

53 100.3 82.3 123.5

89 47.0 48.2 72.2#



#82

4-Chlorotoluene

Concen: 21.510 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF059643.D

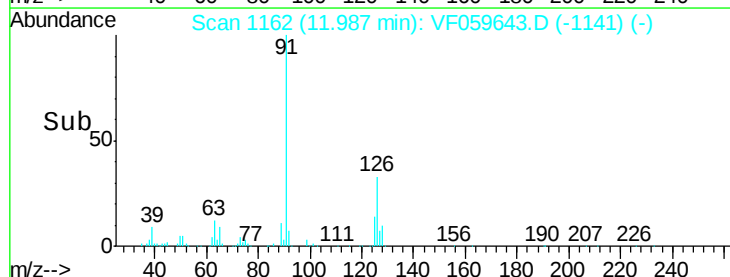
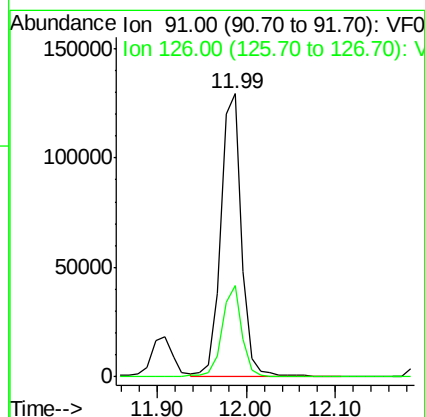
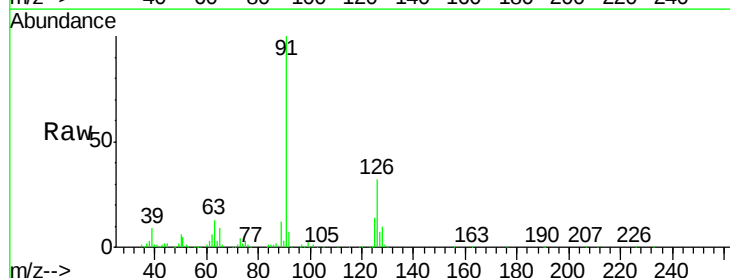
Acq: 24 Jul 2018 21:12

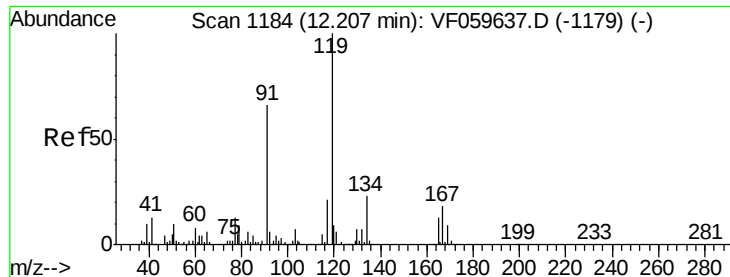
Tgt Ion: 91 Resp: 211935

Ion Ratio Lower Upper

91 100

126 32.3 16.1 48.2





#83

tert-Butylbenzene

Concen: 21.660 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

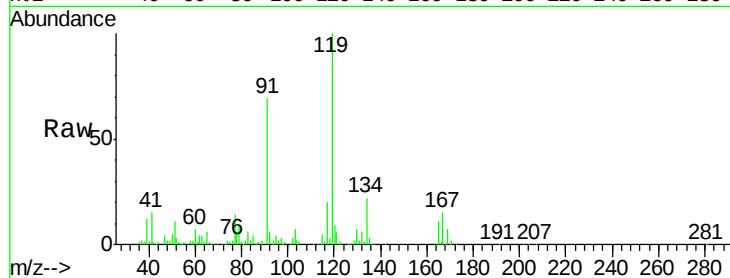
Tot Ion:119 Resp: 250044

Ion Ratio Lower Upper

119 100

91 69.4 33.2 99.6

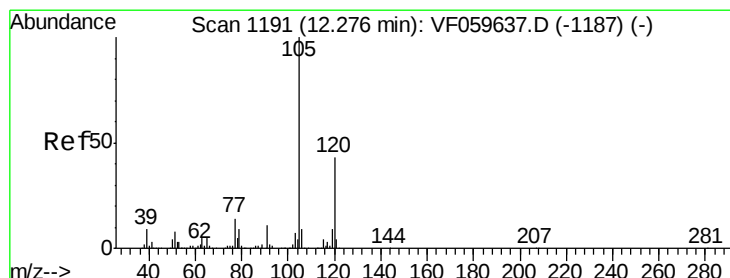
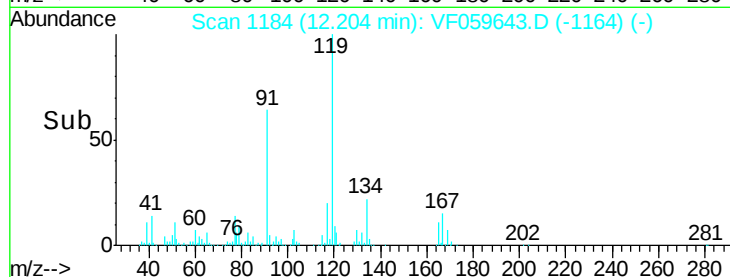
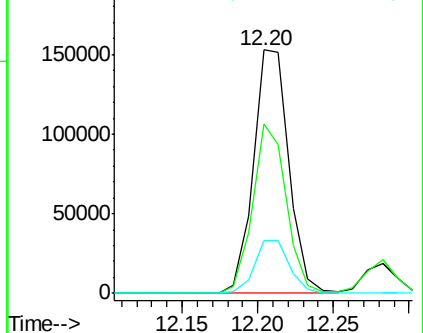
134 21.6 11.5 34.4



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: 21.483 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.01 min

Lab File: VF059643.D

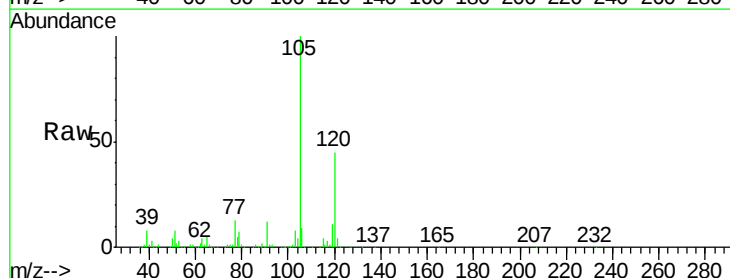
Acq: 24 Jul 2018 21:12

Tgt Ion:105 Resp: 252481

Ion Ratio Lower Upper

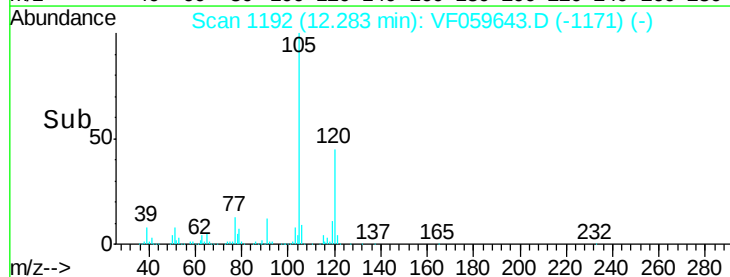
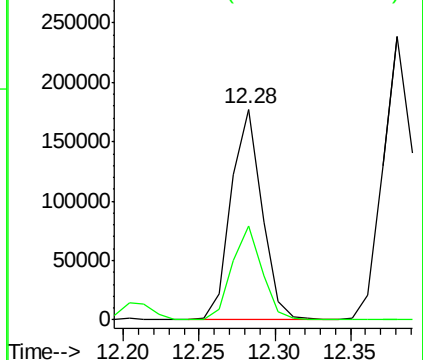
105 100

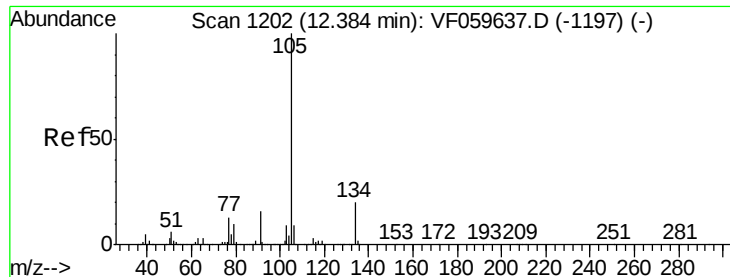
120 44.5 21.4 64.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.752 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

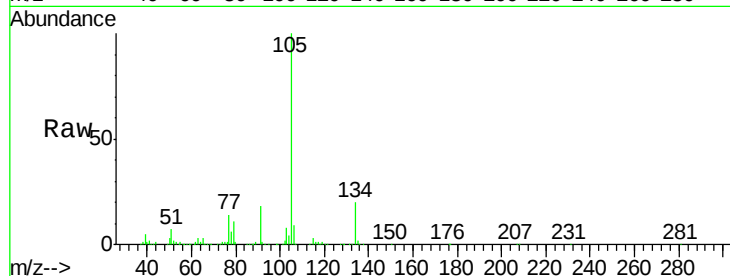
ClientSampled :

Tot Ion:105 Resp: 334784

Ion Ratio Lower Upper

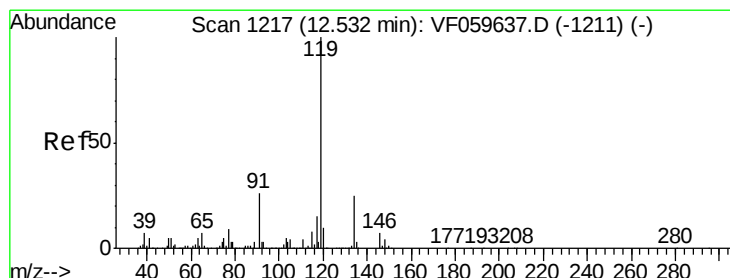
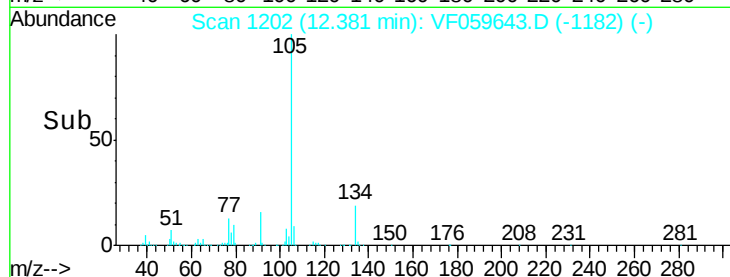
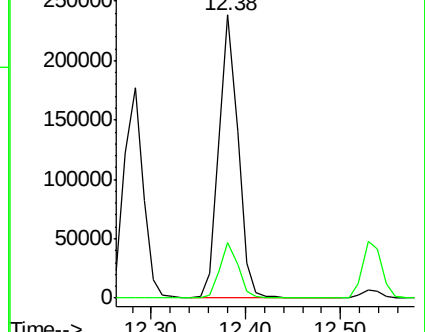
105 100

134 19.7 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: 21.638 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

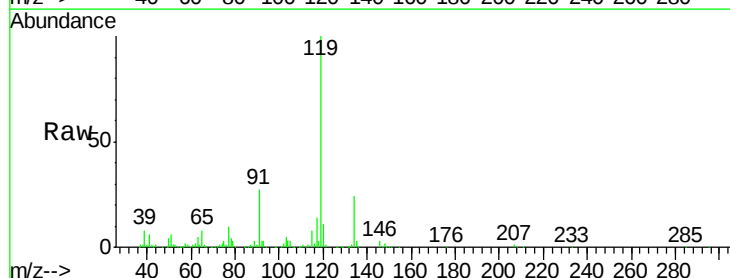
Tgt Ion:119 Resp: 289920

Ion Ratio Lower Upper

119 100

134 23.7 12.4 37.0

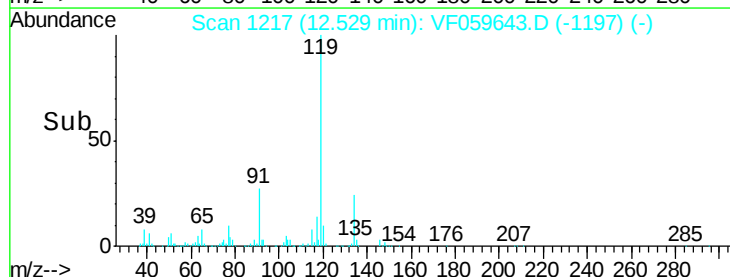
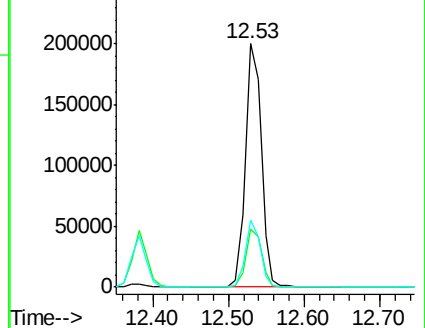
91 27.3 13.1 39.1

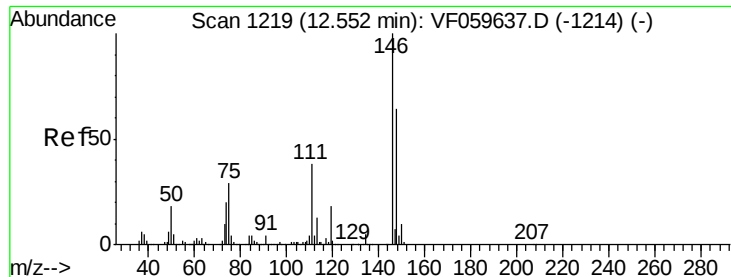


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

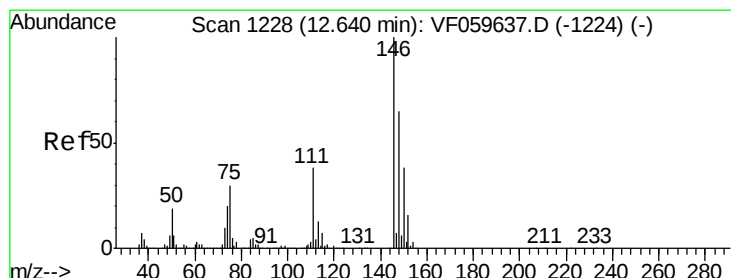
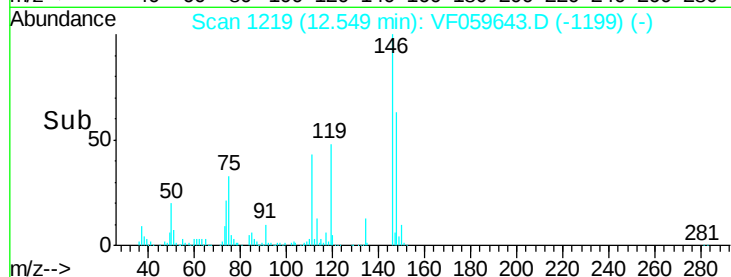
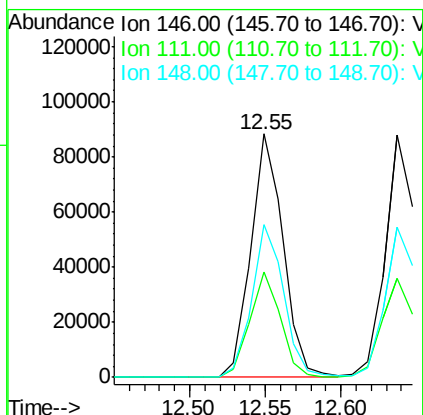
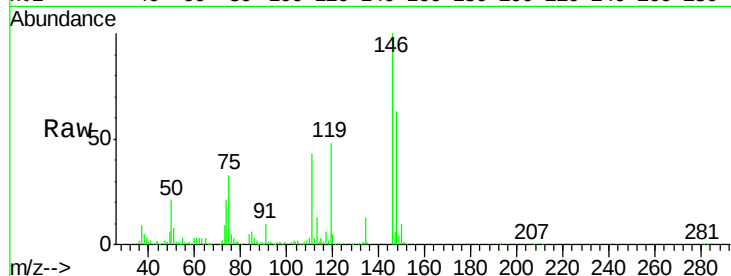




#87
 1,3-Dichlorobenzene
 Concen: 20.633 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059643.D
 Acq: 24 Jul 2018 21:12

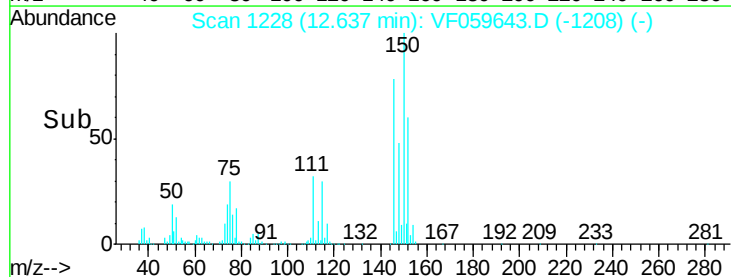
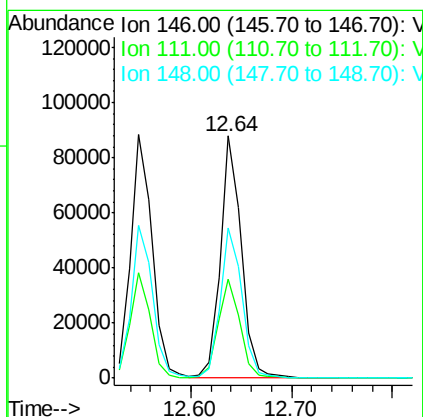
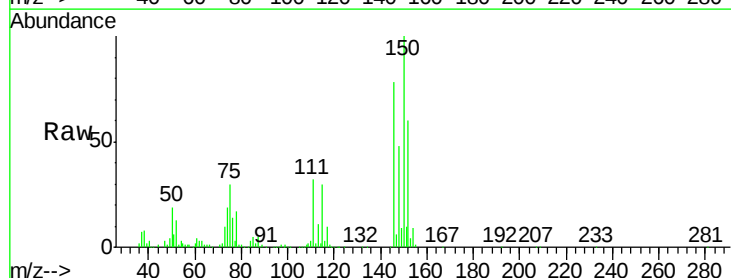
Instrument :
 MSVOA_F
 ClientSampleId :

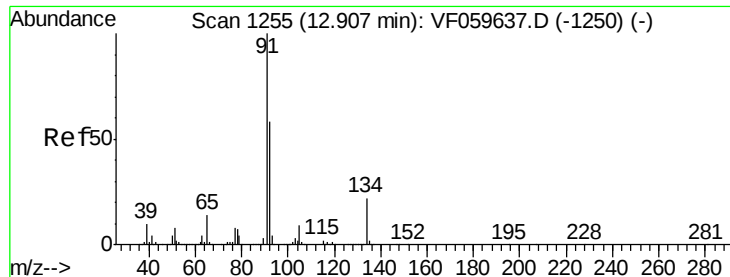
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	19.1	57.1
148	62.9	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.890 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059643.D
 Acq: 24 Jul 2018 21:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.1	57.1
148	62.0	32.4	97.2





#89

n-Butylbenzene

Concen: 22.488 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF059643.D

Acq: 24 Jul 2018 21:12

Instrument :

MSVOA_F

ClientSampleId :

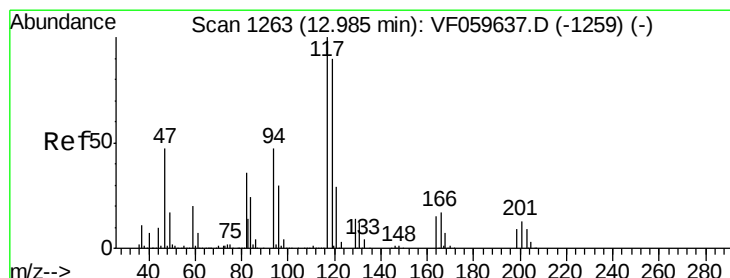
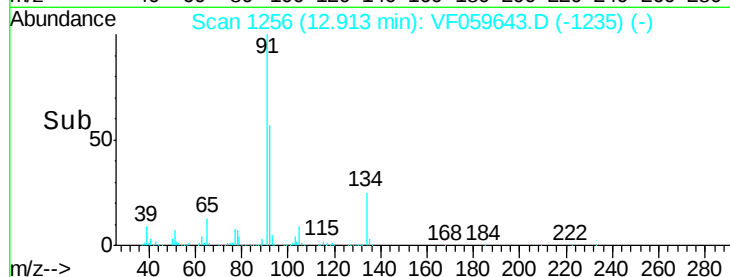
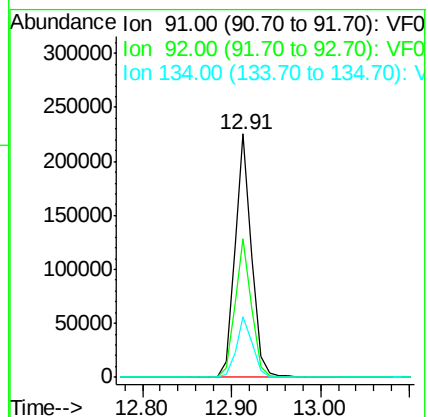
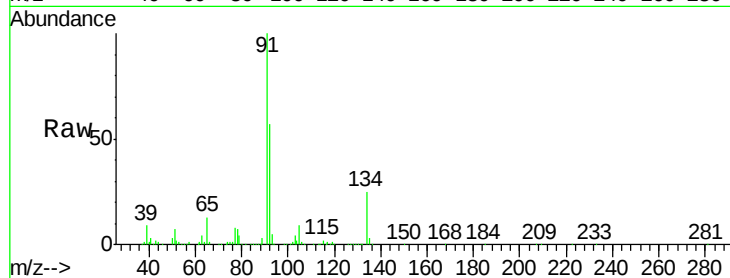
Tot Ion: 91 Resp: 297210

Ion Ratio Lower Upper

91 100

92 57.1 29.1 87.3

134 25.0 11.2 33.6



#90

Hexachloroethane

Concen: 20.864 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VF059643.D

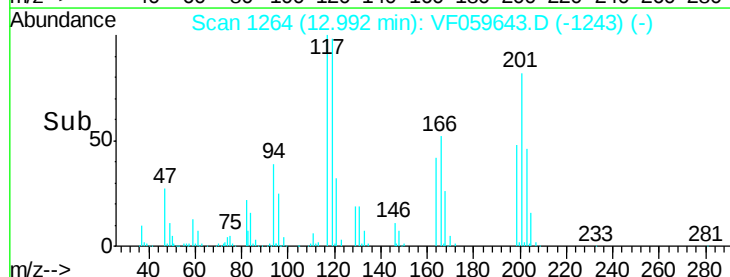
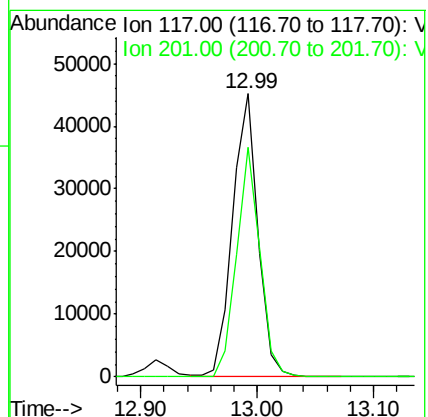
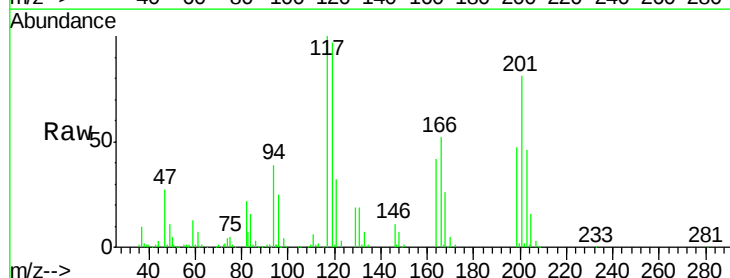
Acq: 24 Jul 2018 21:12

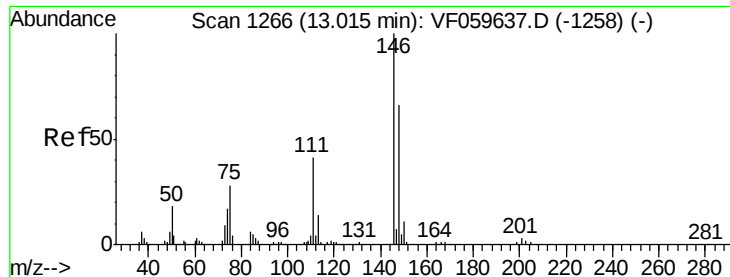
Tgt Ion: 117 Resp: 68195

Ion Ratio Lower Upper

117 100

201 83.4 6.6 19.7#

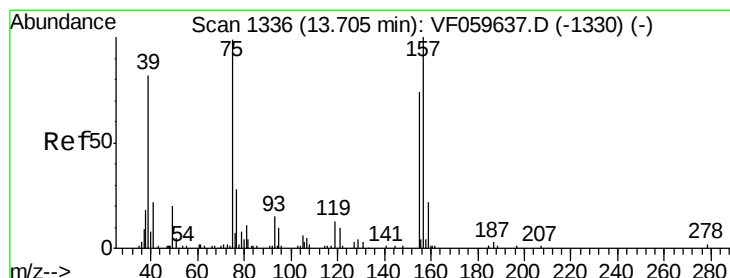
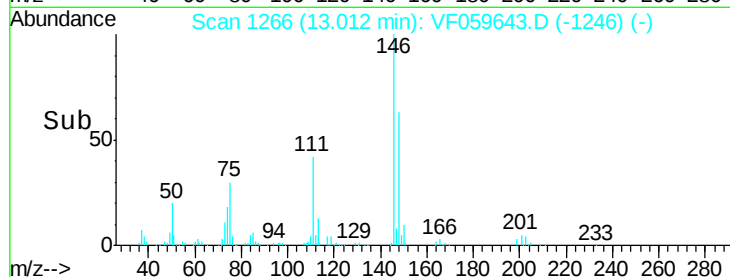
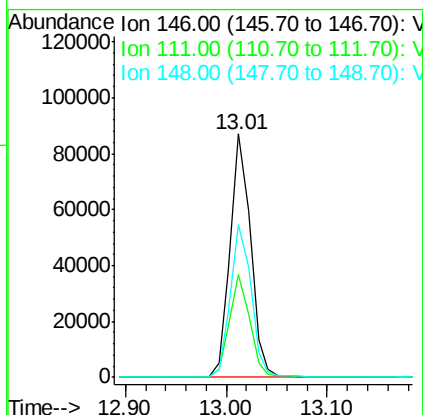
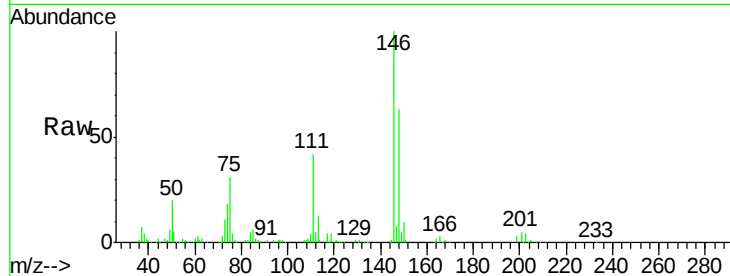




#91
 1,2-Dichlorobenzene
 Concen: 20.962 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059643.D
 Acq: 24 Jul 2018 21:12

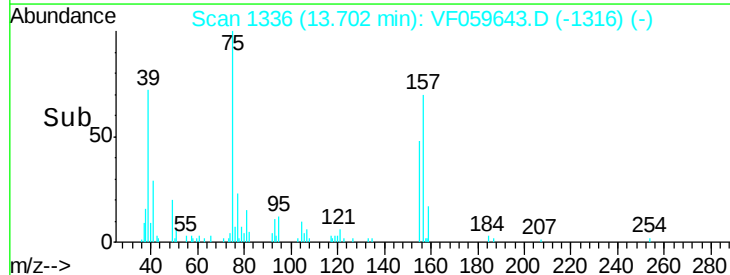
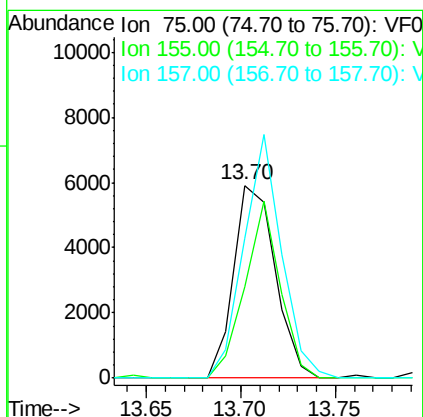
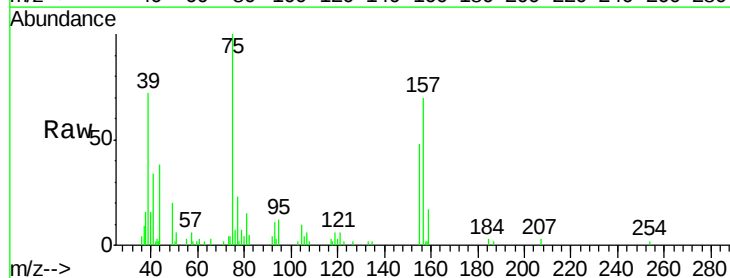
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 MSVOA_F
 ClientSampleId :

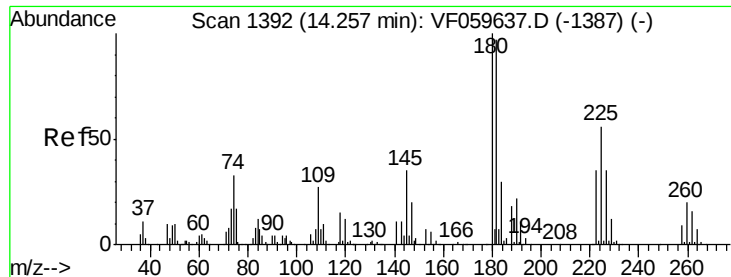
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.3	61.0
148	62.8	32.9	98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.878 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VF059643.D
 Acq: 24 Jul 2018 21:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	47.7	37.5	112.7
157	72.6	50.6	151.9

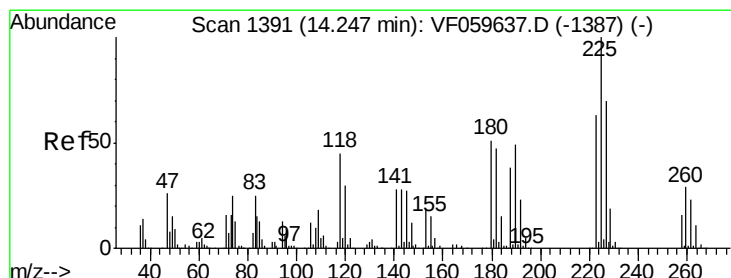
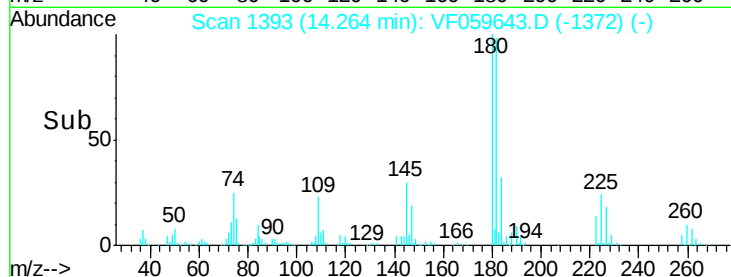
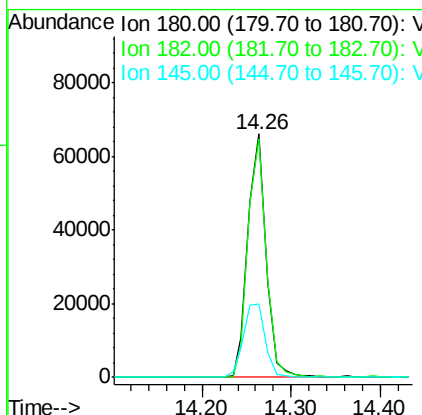
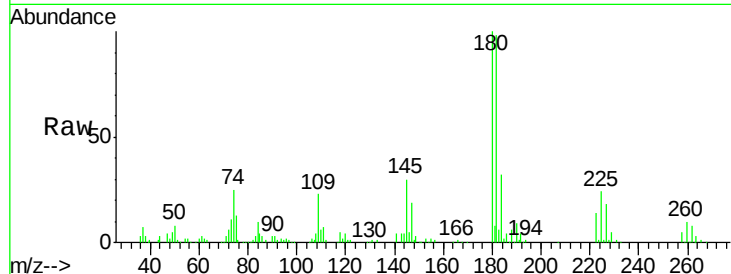




#93
 1,2,4-Trichlorobenzene
 Concen: 18.830 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059643.D
 Acq: 24 Jul 2018 21:12

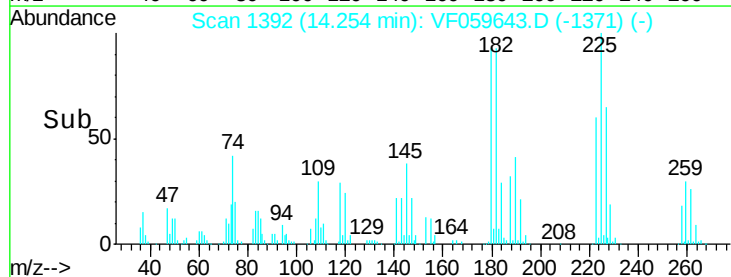
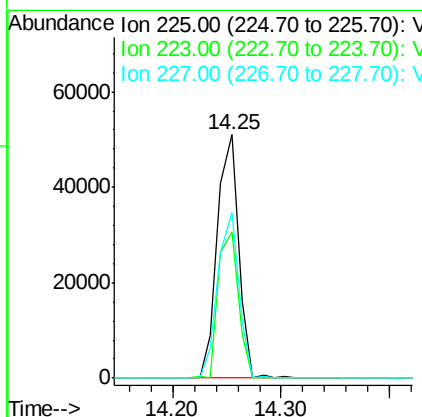
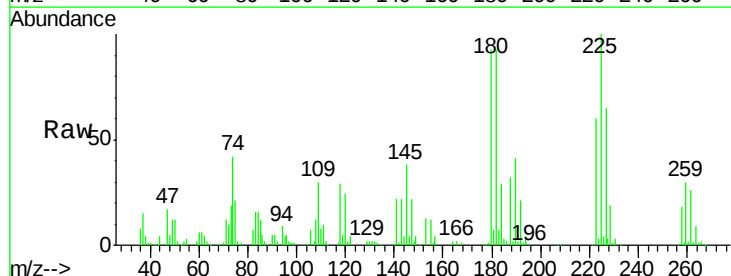
Instrument :
 MSVOA_F
 ClientSampled :

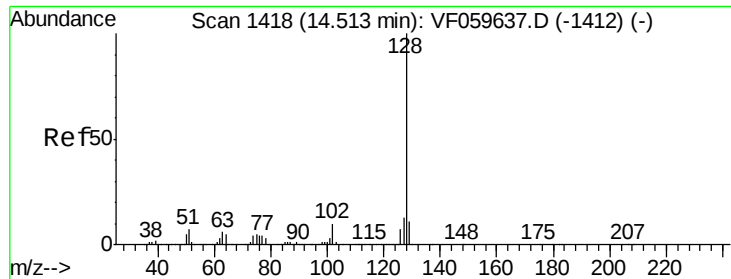
Tot Ion:180 Resp: 93622
 Ion Ratio Lower Upper
 180 100
 182 97.9 48.5 145.6
 145 30.2 17.4 52.2



#94
 Hexachlorobutadiene
 Concen: 20.552 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF059643.D
 Acq: 24 Jul 2018 21:12

Tgt Ion:225 Resp: 69953
 Ion Ratio Lower Upper
 225 100
 223 60.1 33.3 99.8
 227 68.1 34.8 104.4

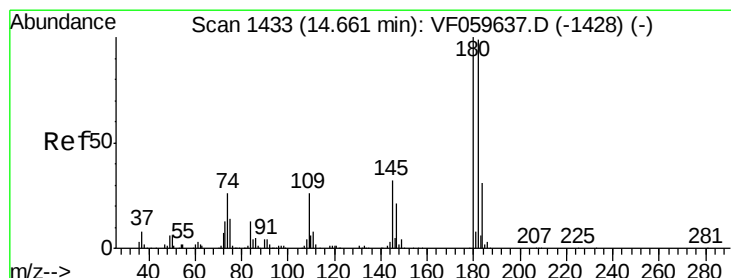
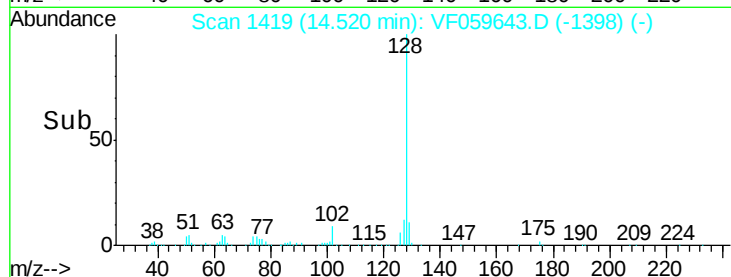
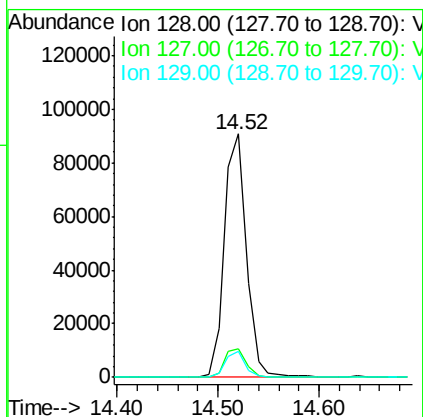
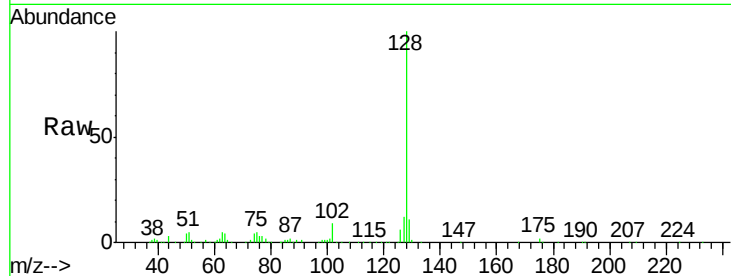




#95
Naphthalene
Concen: 19.019 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 138852
Ion Ratio Lower Upper
128 100
127 12.0 10.1 15.1
129 10.6 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 19.599 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF059643.D
Acq: 24 Jul 2018 21:12

Tgt Ion:180 Resp: 81581
Ion Ratio Lower Upper
180 100
182 99.8 49.5 148.5
145 33.9 16.0 48.0

