

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070718\
 Data File : VF059476.D
 Acq On : 7 Jul 2018 4:50
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 07 05:47:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:43:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	262033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	389791	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	395612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	221329	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.98	65	648776	178.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	357.32%	
35) Dibromofluoromethane	4.26	113	512429	170.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	340.98%	
50) Toluene-d8	7.67	98	1278100	172.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	345.94%	
62) 4-Bromofluorobenzene	11.49	95	641396	153.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	525616	199.237	ug/l	97
3) Chloromethane	1.08	50	271338	163.876	ug/l	99
4) Vinyl Chloride	1.15	62	291329	178.460	ug/l	95
5) Bromomethane	1.32	94	190415	170.655	ug/l	96
6) Chloroethane	1.41	64	135536	163.717	ug/l	97
7) Trichlorofluoromethane	1.47	101	141940	42.296	ug/l	97
8) Diethyl Ether	1.69	74	127129	154.566	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.89	101	255895	133.668	ug/l	99
10) Methyl Iodide	1.94	142	575759	166.126	ug/l	96
11) Tert butyl alcohol	2.67	59	145831	646.826	ug/l #	93
12) 1,1-Dichloroethene	1.84	96	275295	169.292	ug/l	86
13) Acrolein	2.07	56	115674	863.996	ug/l	98
14) Allyl chloride	2.17	41	490837	165.667	ug/l #	80
15) Acrylonitrile	3.05	53	284404	721.813	ug/l	97
16) Acetone	2.32	43	439562	492.133	ug/l	94
17) Carbon Disulfide	1.87	76	779051	200.997	ug/l	98
18) Methyl Acetate	2.52	43	292594	165.563	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	876414	148.393	ug/l	99
20) Methylene Chloride	2.26	84	120232	46.799	ug/l	93
21) trans-1,2-Dichloroethene	2.39	96	293535	170.052	ug/l	95
22) Diisopropyl ether	2.90	45	1077615	165.896	ug/l	94
23) Vinyl Acetate	3.30	43	2898528	706.417	ug/l	98
24) 1,1-Dichloroethane	2.97	63	662770	161.122	ug/l	100
25) 2-Butanone	4.48	43	668737	621.316	ug/l	97
26) 2,2-Dichloropropane	3.73	77	352489	127.957	ug/l	95
27) cis-1,2-Dichloroethene	3.60	96	383422	151.497	ug/l	92
28) Bromochloromethane	3.86	49	269303	151.047	ug/l	96
29) Tetrahydrofuran	4.22	42	306385	645.458	ug/l	99
30) Chloroform	3.99	83	919503	154.477	ug/l	97
31) Cyclohexane	3.83	56	399297	150.170	ug/l	98
32) 1,1,1-Trichloroethane	4.23	97	672489	153.436	ug/l	93
36) 1,1-Dichloropropene	4.42	75	604438	169.876	ug/l	99
37) Ethyl Acetate	4.26	43	327884	136.150	ug/l	95
38) Carbon Tetrachloride	4.13	117	839361	183.289	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	499840	158.358	ug/l	99
40) Benzene	4.77	78	1175024	153.484	ug/l	98
41) Methacrylonitrile	4.88	41	171148	147.102	ug/l	93
42) 1,2-Dichloroethane	5.08	62	780951	167.556	ug/l	97
43) Isopropyl Acetate	7.08	43	436248	154.418	ug/l	99
44) Trichloroethene	5.64	130	389422	145.083	ug/l	97
45) 1,2-Dichloropropane	6.37	63	331897	152.257	ug/l	99
46) Dibromomethane	6.21	93	304075	158.327	ug/l	96
47) Bromodichloromethane	6.51	83	763900	163.356	ug/l	94
48) Methyl methacrylate	6.83	41	308614	160.412	ug/l	92
49) 1,4-Dioxane	6.83	88	24822	2140.867	ug/l #	84
51) 4-Methyl-2-Pentanone	8.37	43	1370290	650.553	ug/l	97
52) Toluene	7.75	92	821809	142.488	ug/l	98
53) t-1,3-Dichloropropene	8.40	75	642804	151.837	ug/l	98
54) cis-1,3-Dichloropropene	7.42	75	682808	150.615	ug/l	94
55) 1,1,2-Trichloroethane	8.61	97	337212	151.499	ug/l	99
56) Ethyl methacrylate	8.73	69	408707	150.850	ug/l	99
57) 1,3-Dichloropropane	8.96	76	574482	150.401	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.75	63	166294	777.989	ug/l	100
59) 2-Hexanone	9.60	43	1063305	612.151	ug/l	95
60) Dibromochloromethane	8.83	129	560978	161.633	ug/l	95
61) 1,2-Dibromoethane	9.10	107	415462	153.454	ug/l	97
64) Tetrachloroethene	8.27	164	468910	172.743	ug/l	96
65) Chlorobenzene	9.91	112	1079521	144.089	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.04	131	475486	145.661	ug/l	99
67) Ethyl Benzene	10.01	91	1820713	142.659	ug/l	95
68) m/p-Xylenes	10.24	106	1252138	277.712	ug/l	93
69) o-Xylene	10.81	106	708775	140.879	ug/l	86
70) Styrene	10.87	104	1086424	141.540	ug/l	97
71) Bromoform	10.87	173	352456	158.260	ug/l #	97
73) Isopropylbenzene	11.20	105	2005784	152.247	ug/l	96
74) N-amyl acetate	11.44	43	668726	143.705	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	448374	138.160	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	369443	148.401	ug/l	98
77) Bromobenzene	11.57	156	567611	156.568	ug/l	91
78) n-propylbenzene	11.66	91	2224986	140.707	ug/l	95
79) 2-Chlorotoluene	11.79	91	1428744	147.324	ug/l	92
80) 1,3,5-Trimethylbenzene	11.89	105	1655720	142.526	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	198929	137.802	ug/l	92
82) 4-Chlorotoluene	11.97	91	1512372	147.099	ug/l	93
83) tert-Butylbenzene	12.20	119	1581302	137.641	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	1732879	142.873	ug/l	95
85) sec-Butylbenzene	12.36	105	2151637	140.394	ug/l	98
86) p-Isopropyltoluene	12.52	119	1794153	139.129	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	912731	135.340	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	947243	144.591	ug/l	96
89) n-Butylbenzene	12.90	91	1653719	126.304	ug/l	95
90) Hexachloroethane	12.97	117	477822	148.235	ug/l	90
91) 1,2-Dichlorobenzene	13.00	146	912320	138.187	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	115729	157.289	ug/l	90

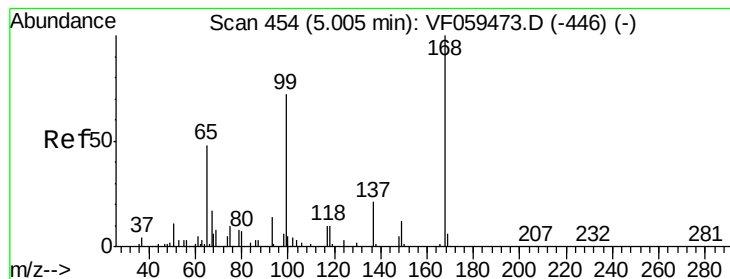
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	685624	139.824	ug/l	98
94) Hexachlorobutadiene	14.24	225	416388	148.075	ug/l	95
95) Naphthalene	14.50	128	1569198	152.802	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	701176	150.190	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

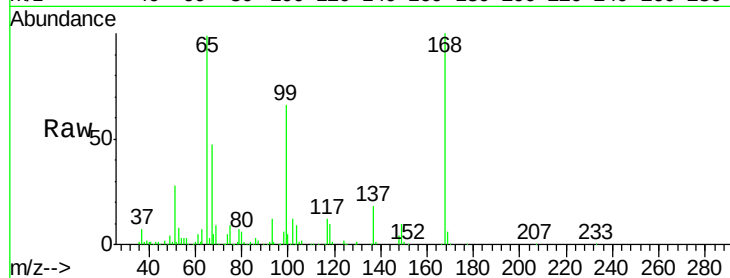
VSTDIC150

Tgt Ion:168 Resp: 262033

Ion Ratio Lower Upper

168 100

99 66.3 57.7 86.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

80000

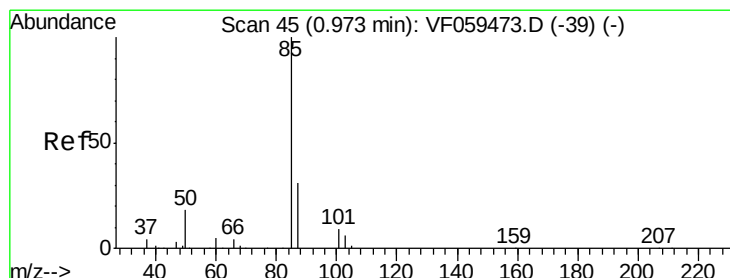
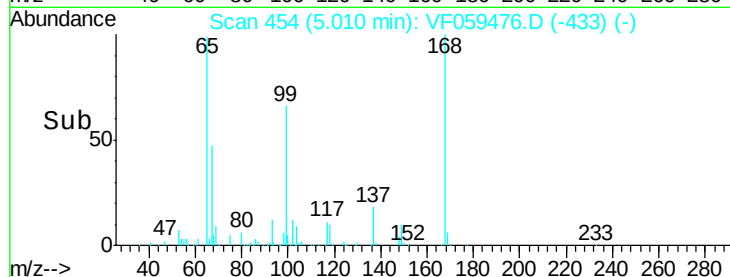
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 199.237 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.01 min

Lab File: VF059476.D

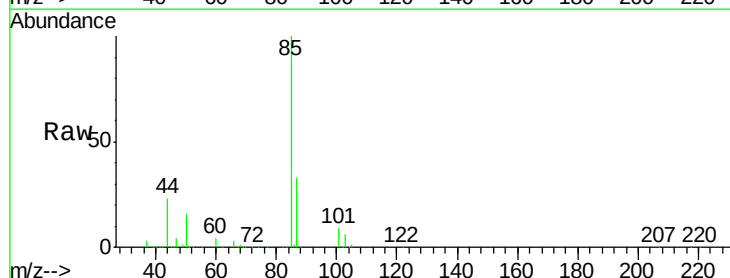
Acq: 7 Jul 2018 4:50

Tgt Ion: 85 Resp: 525616

Ion Ratio Lower Upper

85 100

87 33.0 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

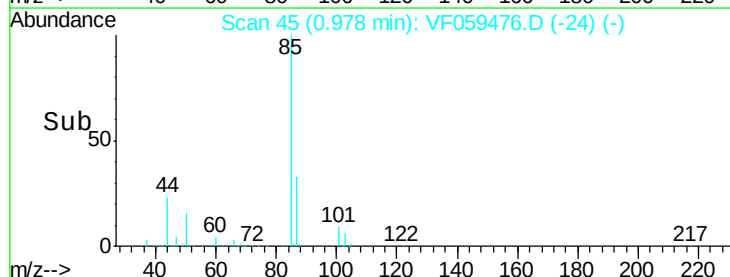
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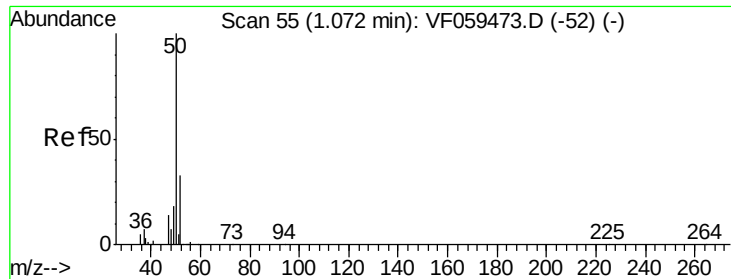
100000

50000

0

Time-->





#3

Chloromethane

Concen: 163.876 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

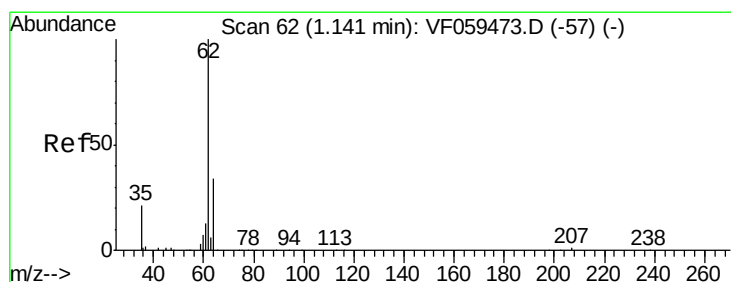
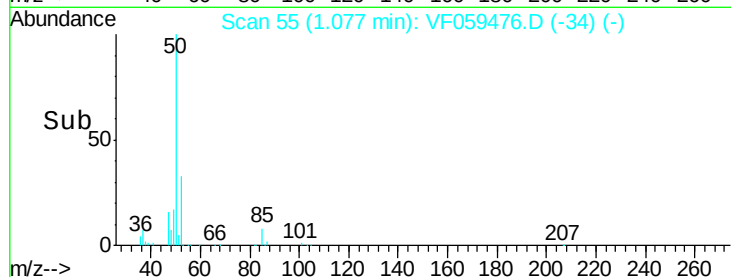
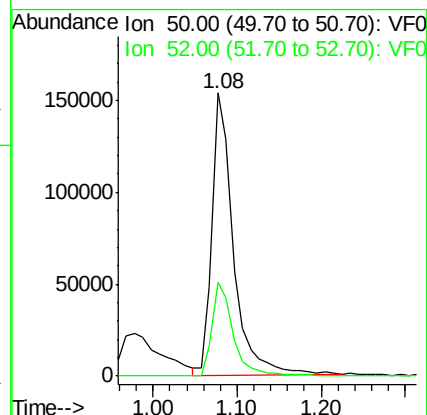
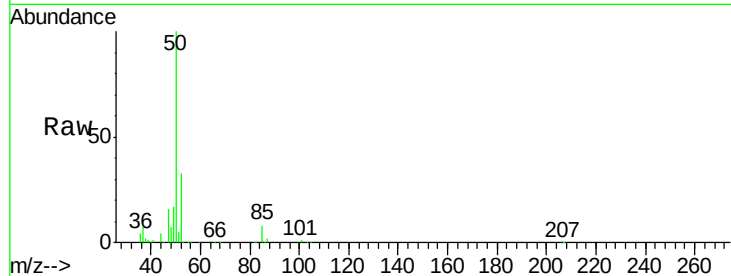
VSTDIC150

Tgt Ion: 50 Resp: 271338

Ion Ratio Lower Upper

50 100

52 33.1 25.9 38.9



#4

Vinyl Chloride

Concen: 178.460 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.01 min

Lab File: VF059476.D

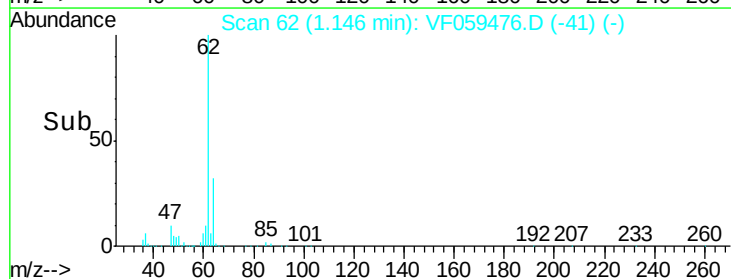
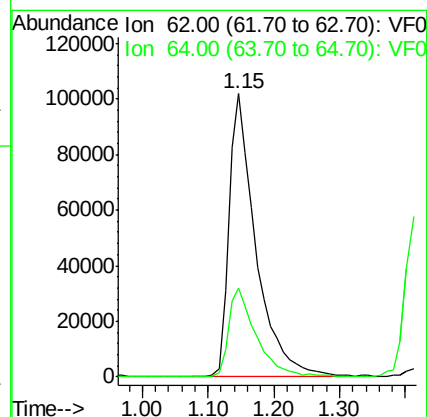
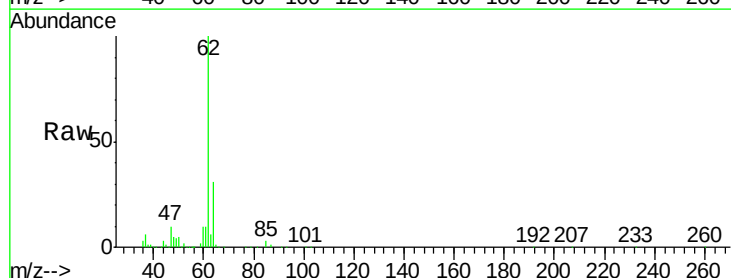
Acq: 7 Jul 2018 4:50

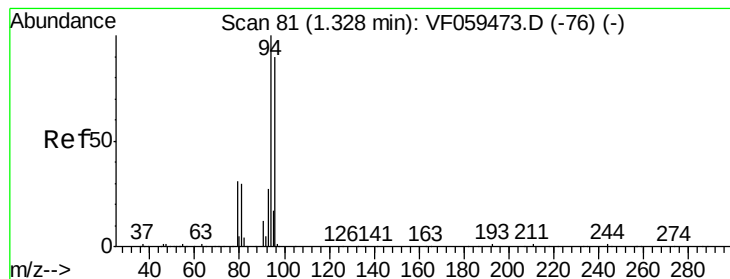
Tgt Ion: 62 Resp: 291329

Ion Ratio Lower Upper

62 100

64 31.4 27.3 40.9





#5

Bromomethane

Concen: 170.655 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

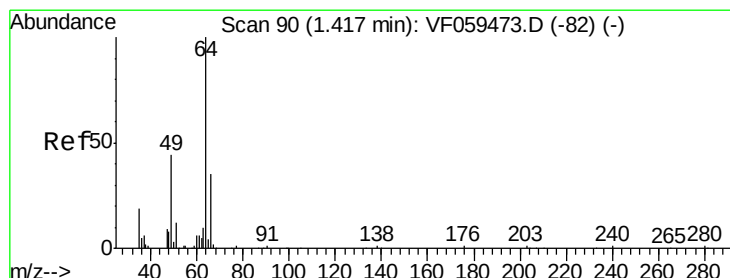
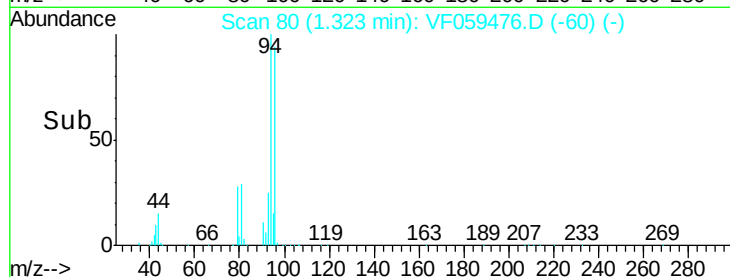
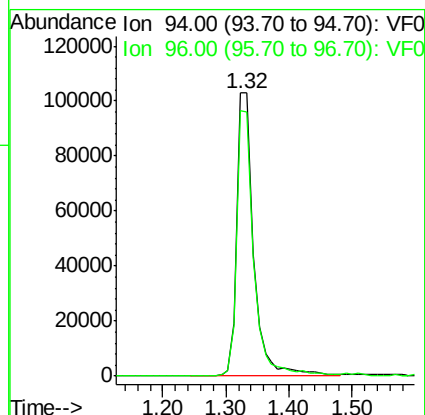
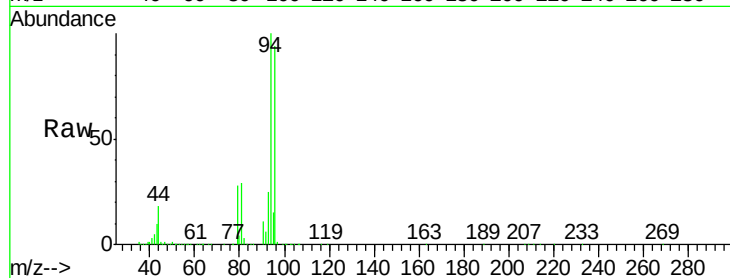
VSTDIC150

Tgt Ion: 94 Resp: 190415

Ion Ratio Lower Upper

94 100

96 93.8 72.0 108.0



#6

Chloroethane

Concen: 163.717 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.00 min

Lab File: VF059476.D

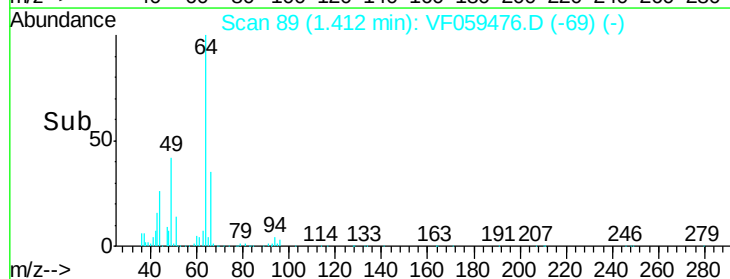
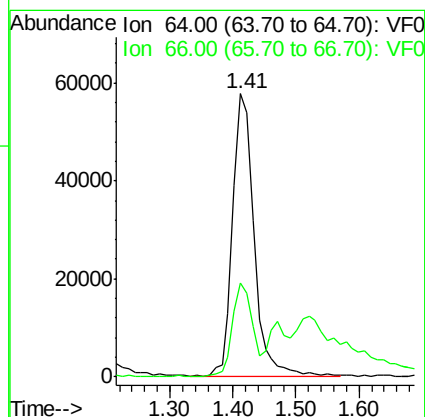
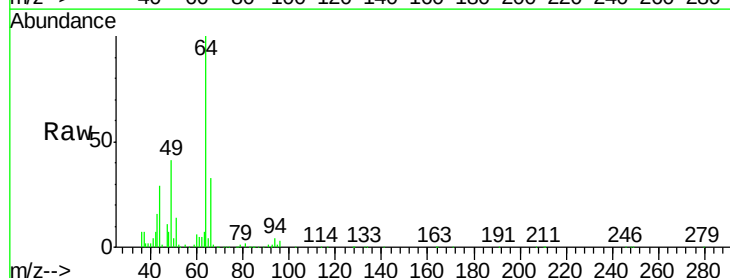
Acq: 7 Jul 2018 4:50

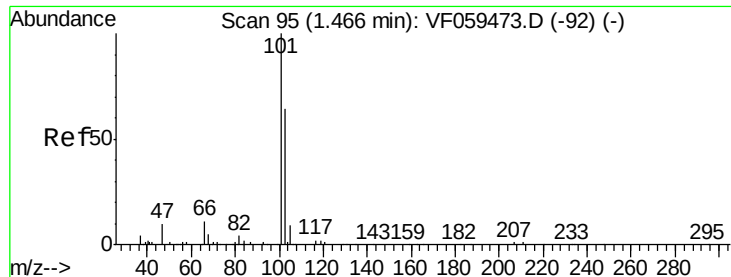
Tgt Ion: 64 Resp: 135536

Ion Ratio Lower Upper

64 100

66 33.2 28.1 42.1





#7

Trichlorofluoromethane

Concen: 42.296 ug/l

RT: 1.47 min Scan# 95

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

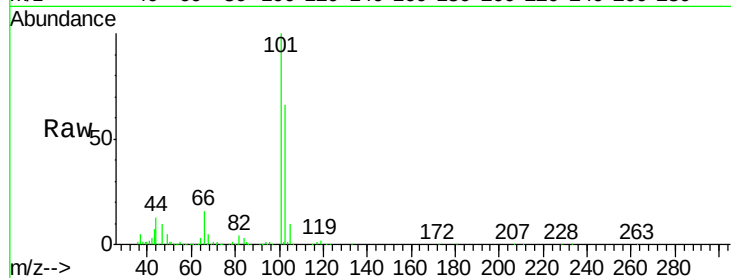
VSTDIC150

Tgt Ion: 101 Resp: 141940

Ion Ratio Lower Upper

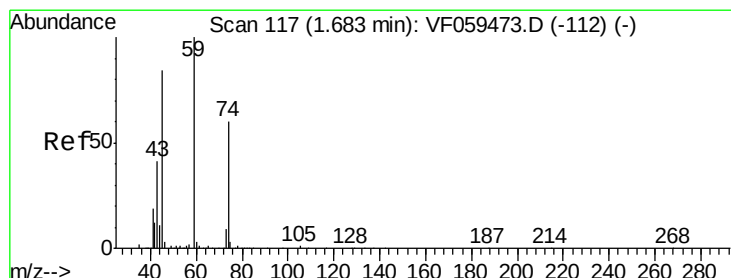
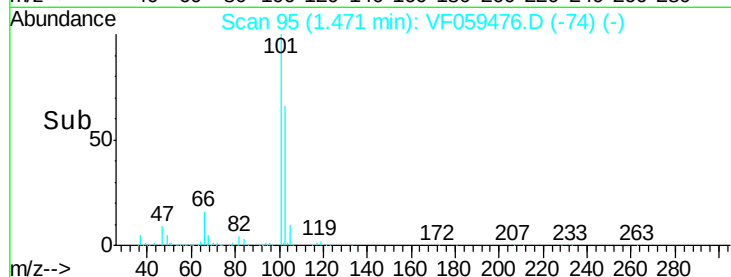
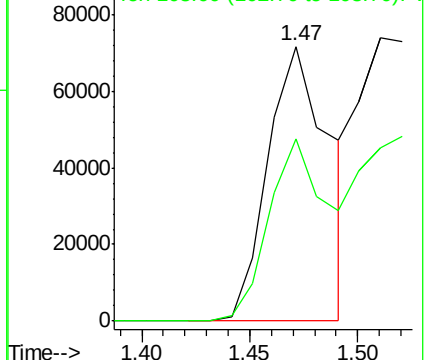
101 100

103 66.4 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 154.566 ug/l

RT: 1.69 min Scan# 117

Delta R.T. 0.01 min

Lab File: VF059476.D

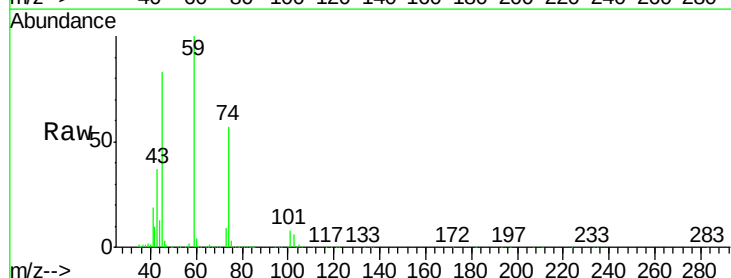
Acq: 7 Jul 2018 4:50

Tgt Ion: 74 Resp: 127129

Ion Ratio Lower Upper

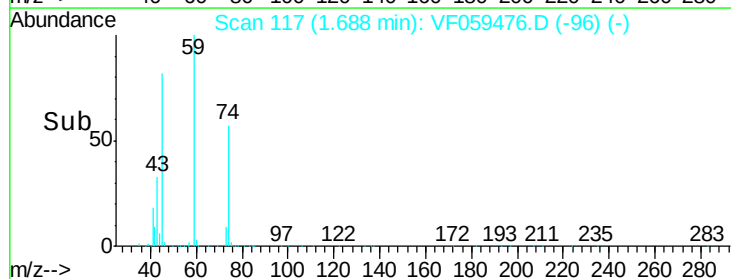
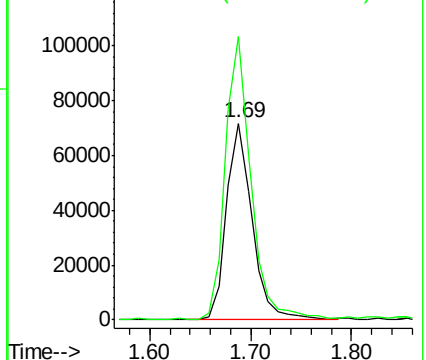
74 100

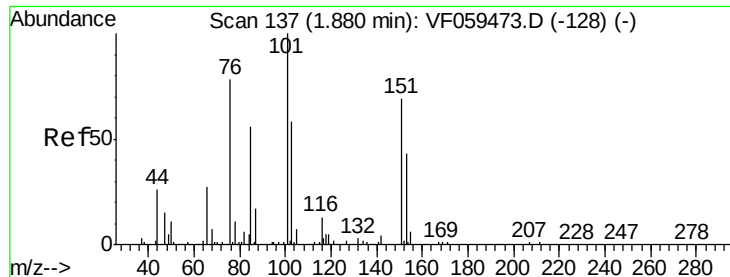
45 144.0 71.1 213.3



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: 133.668 ug/l

RT: 1.89 min Scan# 137

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

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ClientSampleId :

VSTDIC150

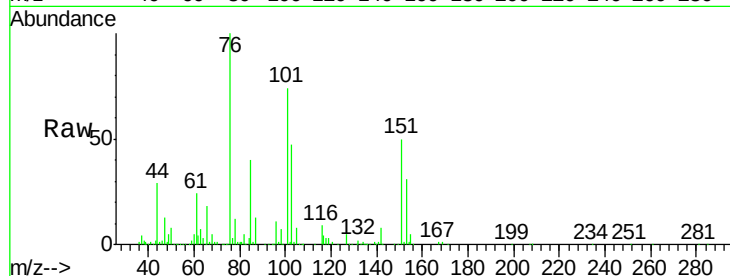
Tgt Ion:101 Resp: 255895

Ion Ratio Lower Upper

101 100

85 53.9 43.8 65.8

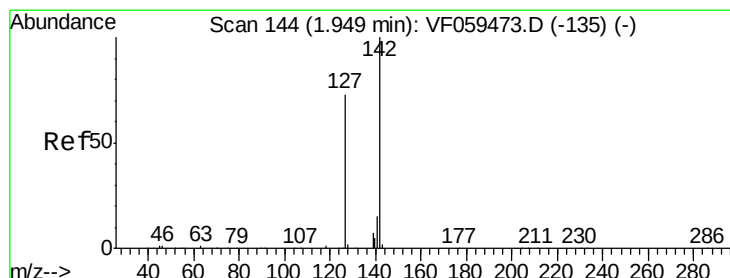
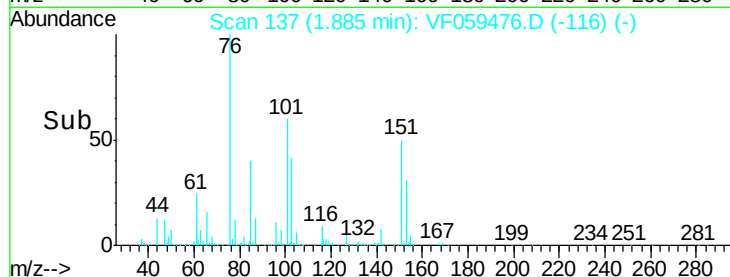
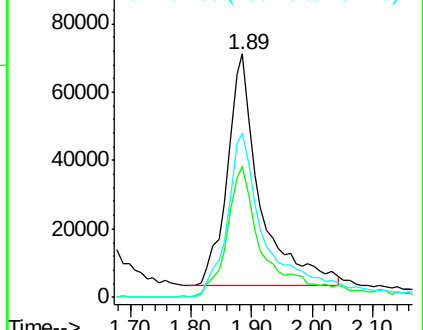
151 67.7 54.2 81.4



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: 166.126 ug/l

RT: 1.94 min Scan# 143

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

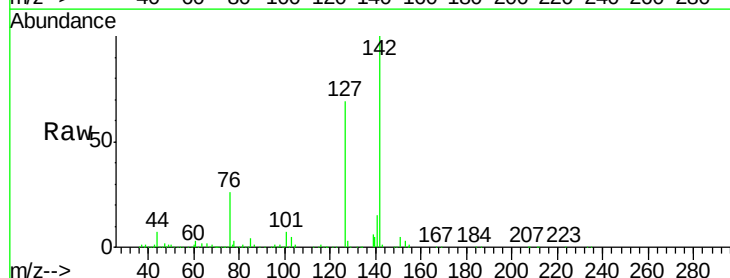
Tgt Ion:142 Resp: 575759

Ion Ratio Lower Upper

142 100

127 68.8 58.2 87.2

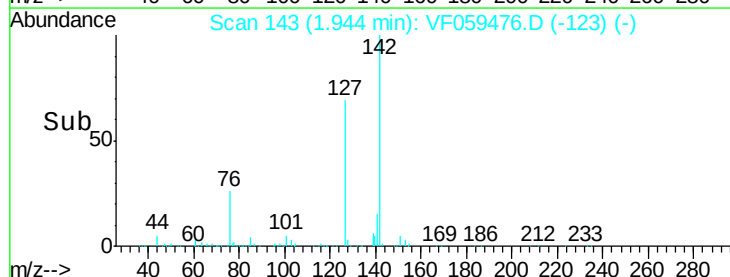
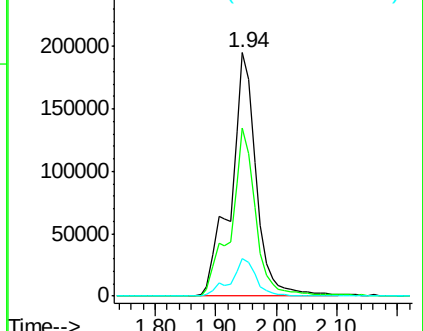
141 15.4 11.7 17.5

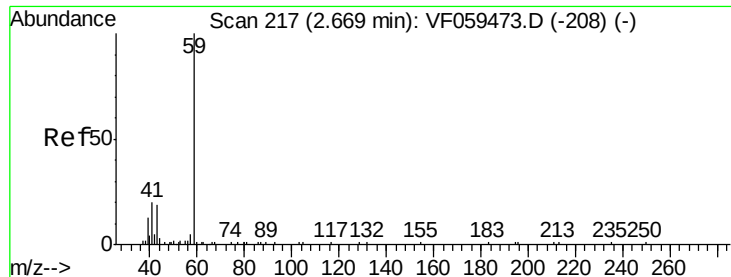


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



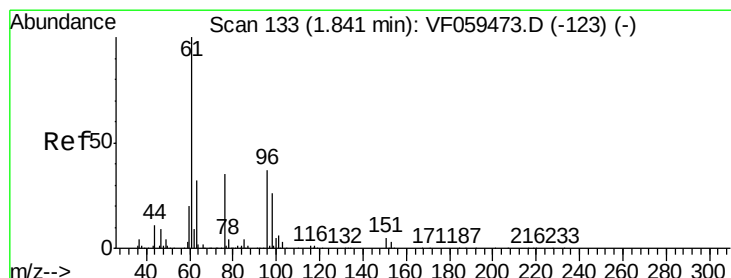
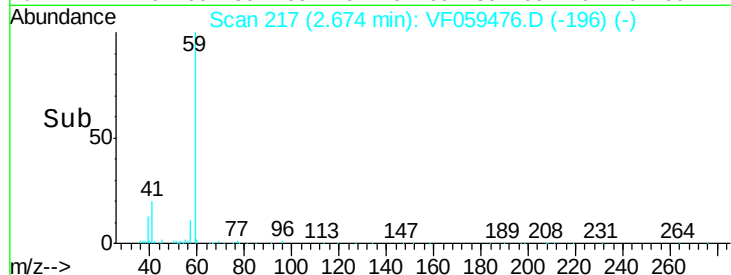
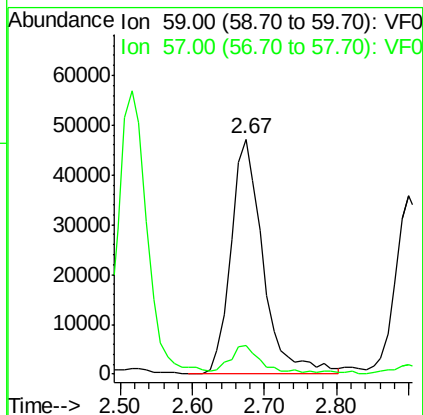
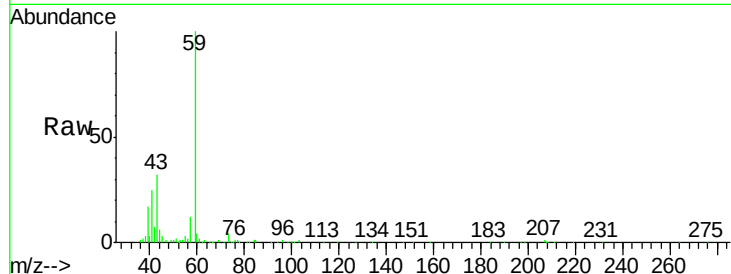


#11

Tert butyl alcohol
Concen: 646.826 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

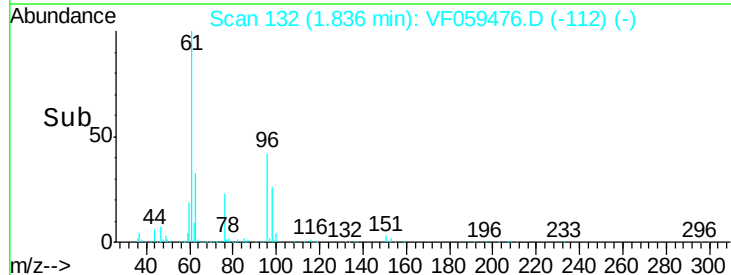
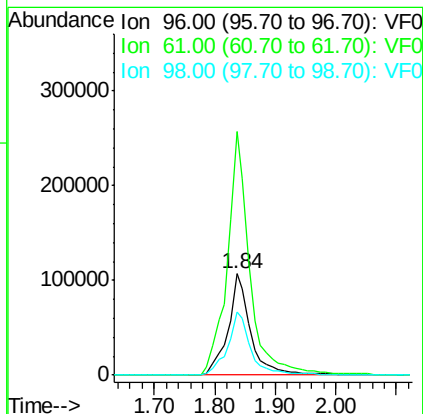
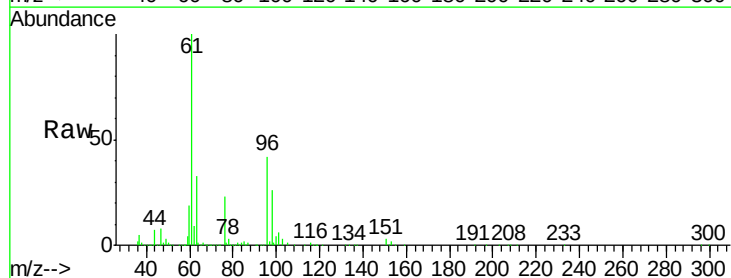
Tgt Ion: 59 Resp: 145831
Ion Ratio Lower Upper
59 100
57 12.4 7.8 11.8#

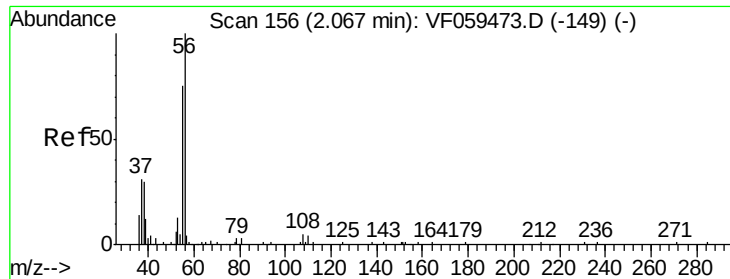


#12

1,1-Dichloroethene
Concen: 169.292 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion: 96 Resp: 275295
Ion Ratio Lower Upper
96 100
61 240.1 214.4 321.6
98 62.8 55.6 83.4





#13

Acrolein

Concen: 863.996 ug/l

RT: 2.07 min Scan# 156

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

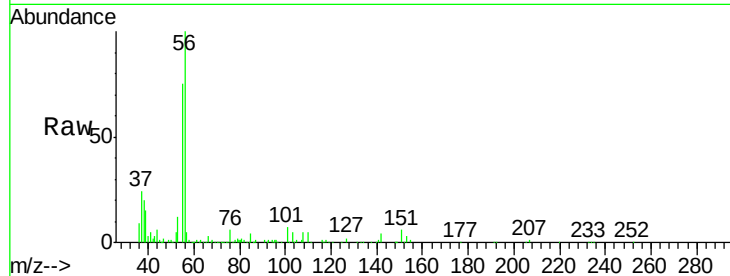
VSTDIC150

Tgt Ion: 56 Resp: 115674

Ion Ratio Lower Upper

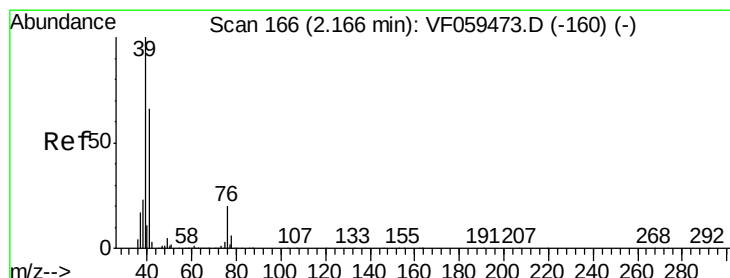
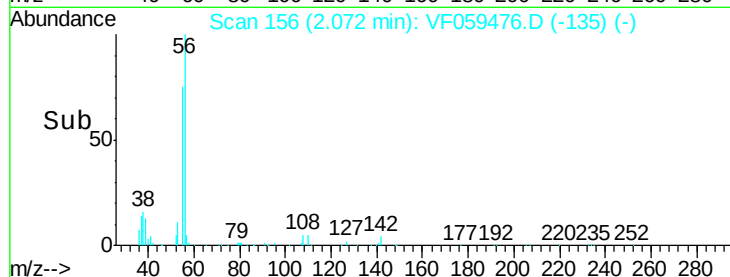
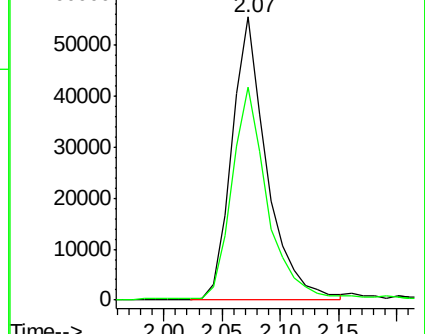
56 100

55 75.1 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 165.667 ug/l

RT: 2.17 min Scan# 166

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

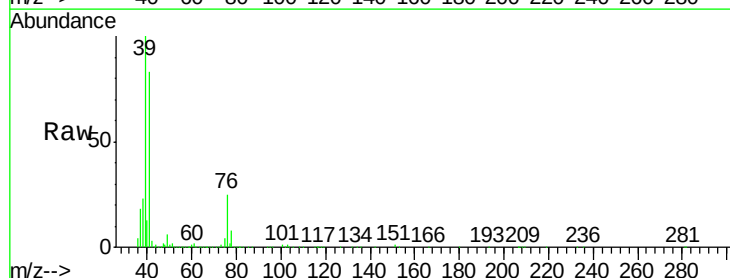
Tgt Ion: 41 Resp: 490837

Ion Ratio Lower Upper

41 100

39 120.4 120.7 181.1#

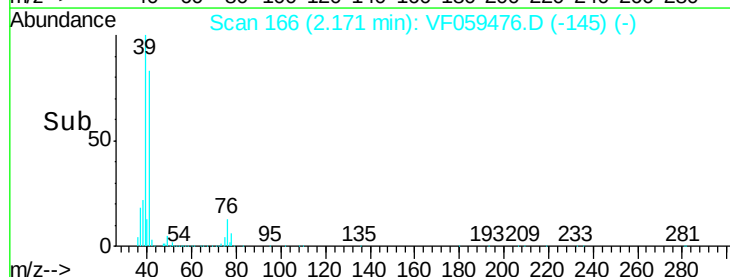
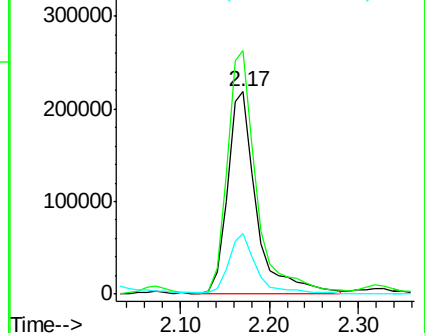
76 30.2 24.0 36.0

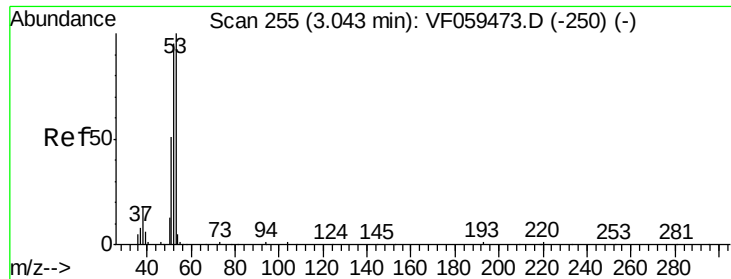


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 721.813 ug/l

RT: 3.05 min Scan# 255

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

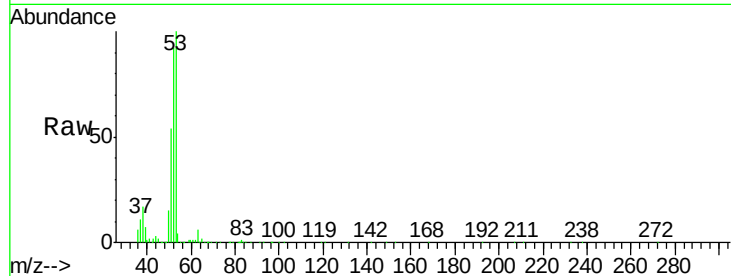
Tgt Ion: 53 Resp: 284404

Ion Ratio Lower Upper

53 100

52 92.4 76.8 115.2

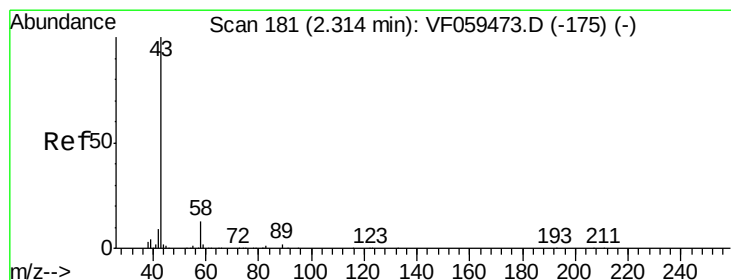
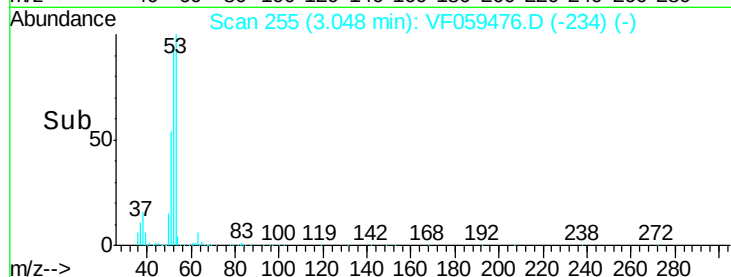
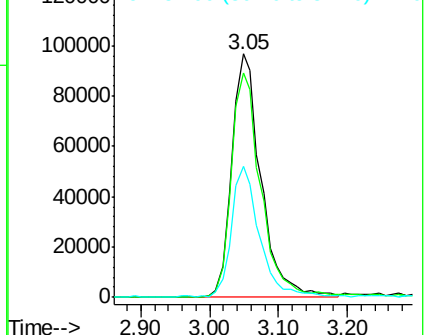
51 53.6 41.8 62.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 492.133 ug/l

RT: 2.32 min Scan# 181

Delta R.T. 0.01 min

Lab File: VF059476.D

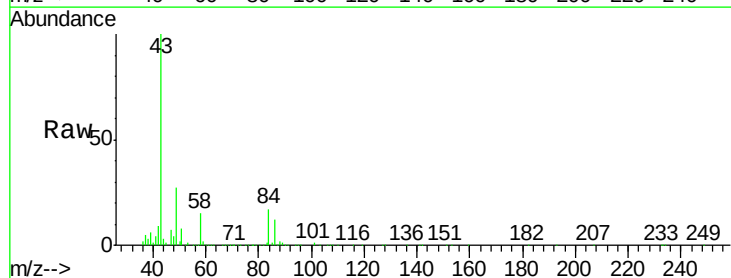
Acq: 7 Jul 2018 4:50

Tgt Ion: 43 Resp: 439562

Ion Ratio Lower Upper

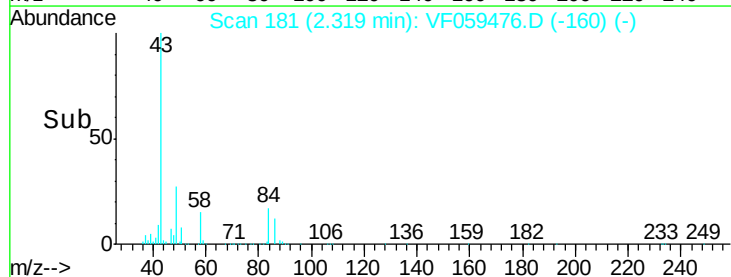
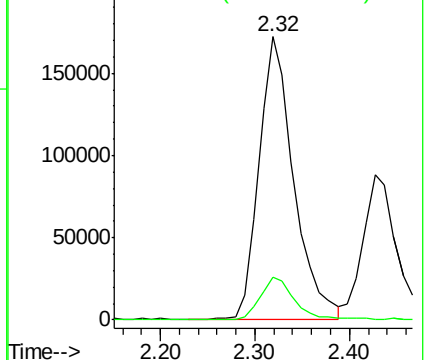
43 100

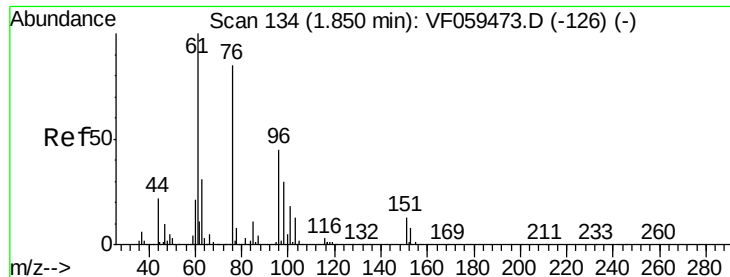
58 15.3 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

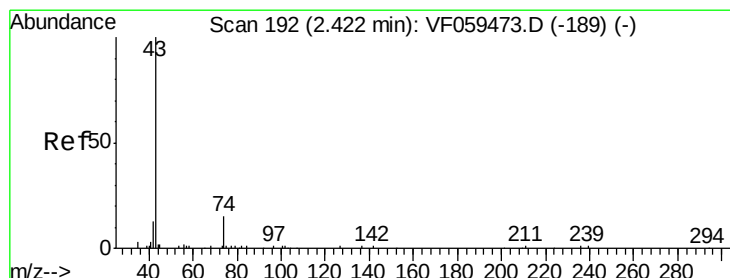
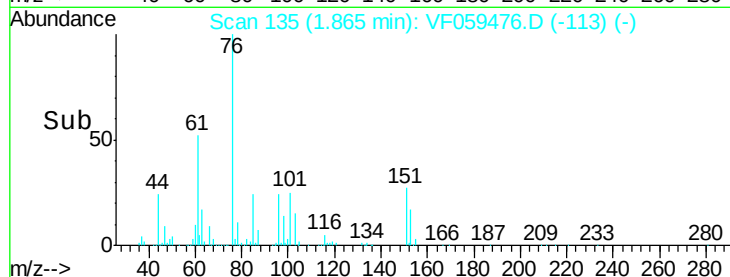
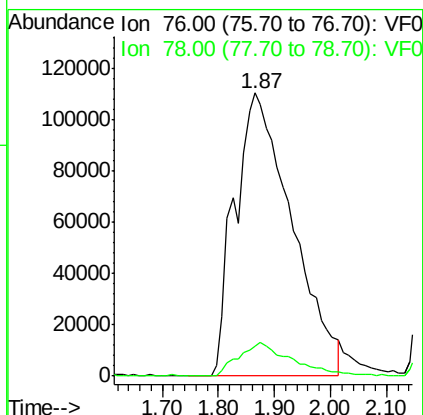
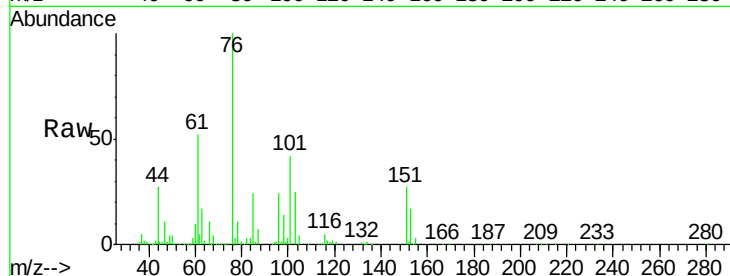




#17
Carbon Disulfide
Concen: 200.997 ug/l
RT: 1.87 min Scan# 135
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

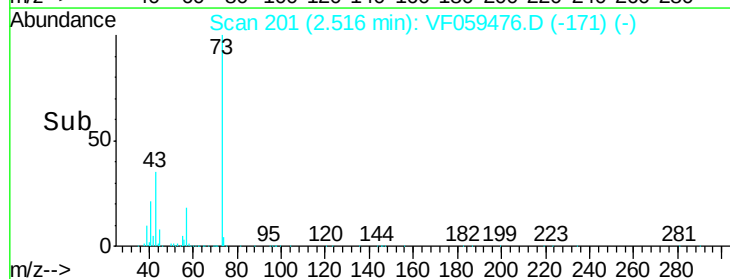
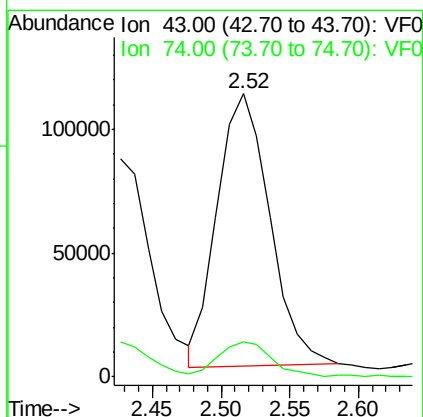
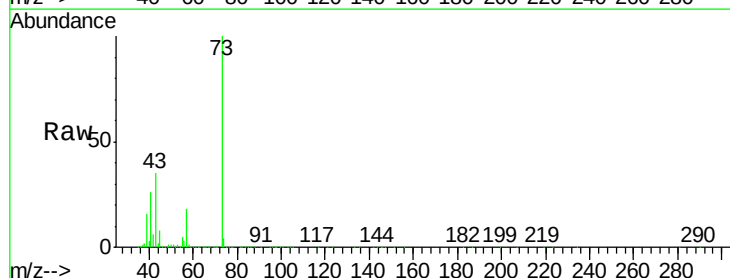
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

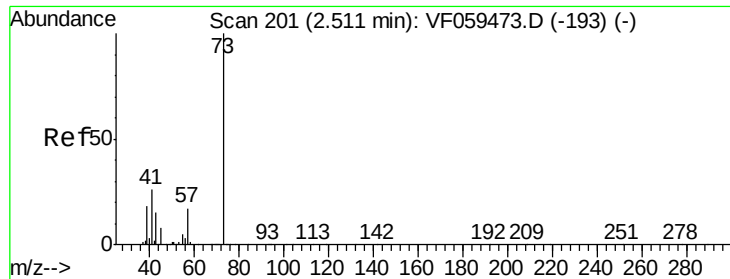
Tgt Ion: 76 Resp: 779051
Ion Ratio Lower Upper
76 100
78 10.8 8.0 12.0



#18
Methyl Acetate
Concen: 165.563 ug/l
RT: 2.52 min Scan# 201
Delta R.T. 0.09 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion: 43 Resp: 292594
Ion Ratio Lower Upper
43 100
74 12.4 10.8 16.2



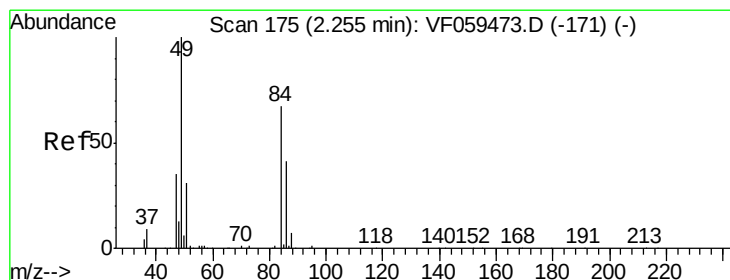
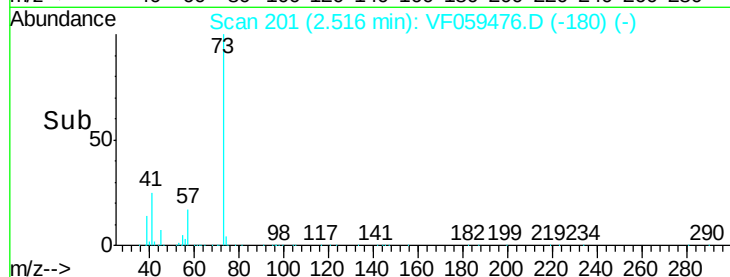
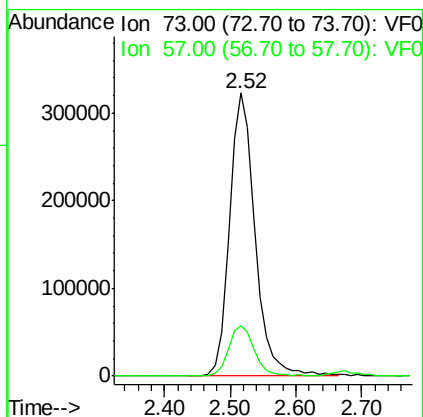
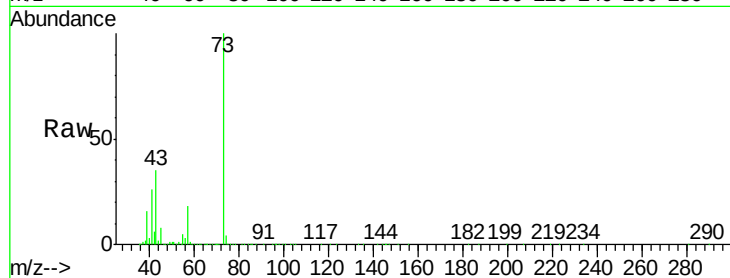


#19

Methyl tert-butyl Ether
Concen: 148.393 ug/l
RT: 2.52 min Scan# 201
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

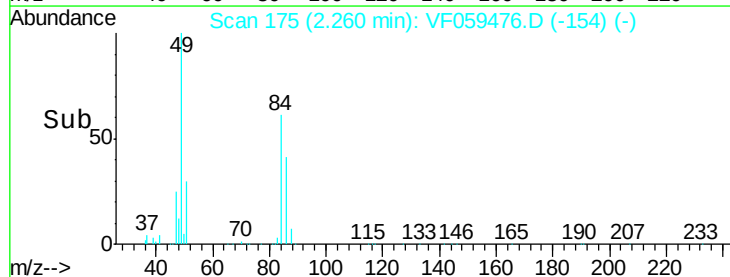
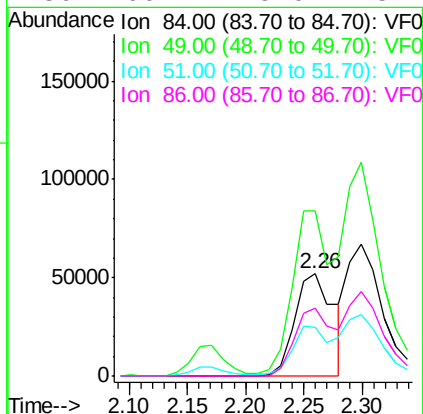
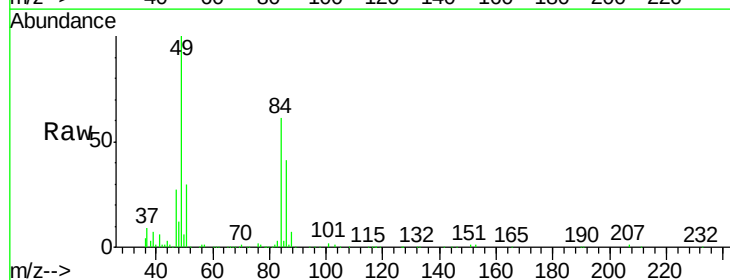
Tgt Ion: 73 Resp: 876414
Ion Ratio Lower Upper
73 100
57 17.6 13.7 20.5

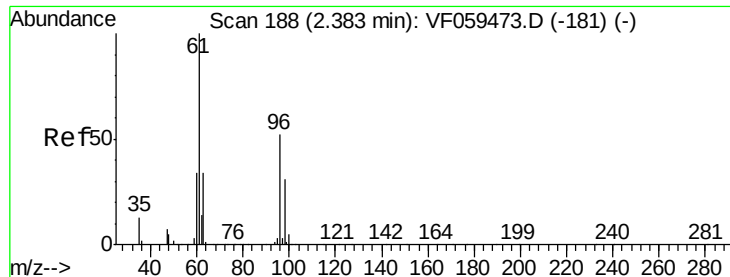


#20

Methylene Chloride
Concen: 46.799 ug/l
RT: 2.26 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion: 84 Resp: 120232
Ion Ratio Lower Upper
84 100
49 162.7 120.4 180.6
51 48.1 38.1 57.1
86 66.4 49.0 73.4





#21

trans-1,2-Dichloroethene

Concen: 170.052 ug/l

RT: 2.39 min Scan# 188

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

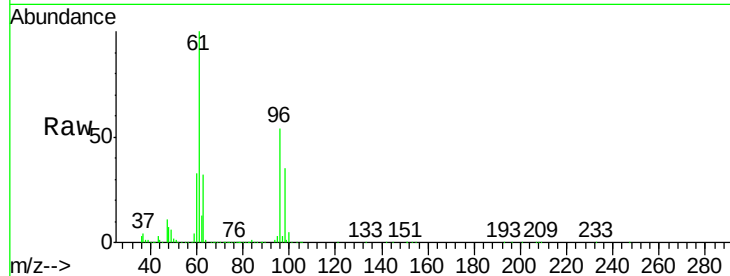
Tgt Ion: 96 Resp: 293535

Ion Ratio Lower Upper

96 100

61 185.4 154.3 231.5

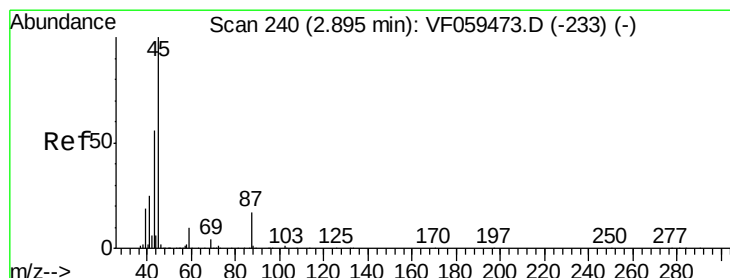
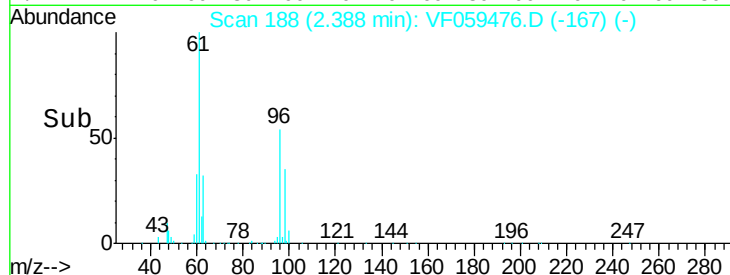
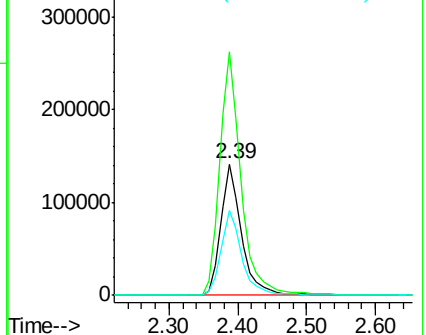
98 64.3 48.2 72.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 165.896 ug/l

RT: 2.90 min Scan# 240

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Tgt Ion: 45 Resp: 1077615

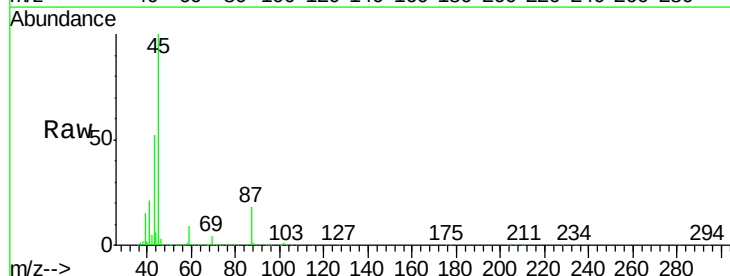
Ion Ratio Lower Upper

45 100

43 51.7 45.4 68.2

87 18.1 13.5 20.3

59 9.4 8.2 12.4

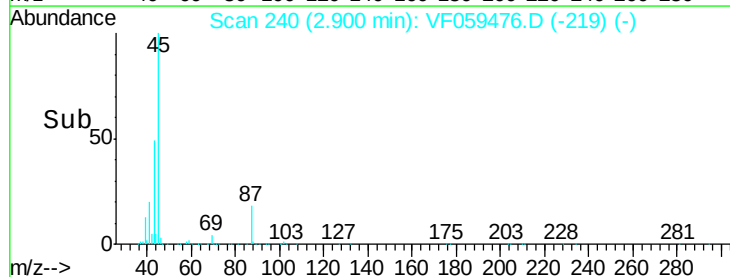
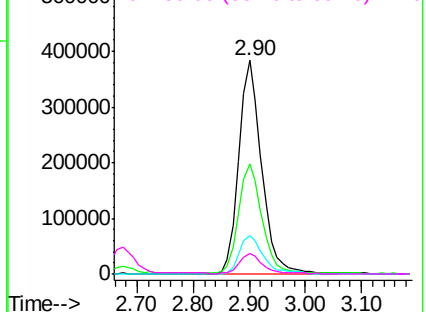


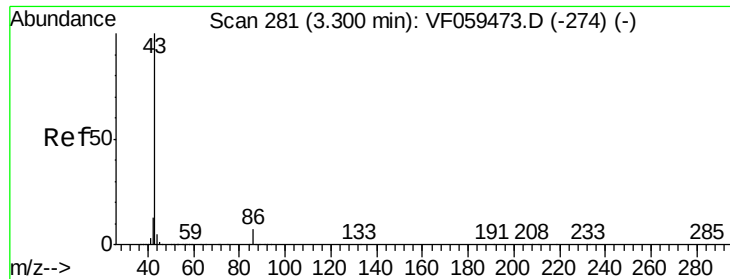
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 706.417 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

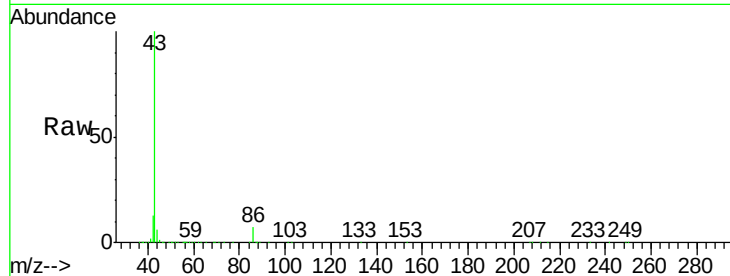
VSTDIC150

Tgt Ion: 43 Resp: 2898528

Ion Ratio Lower Upper

43 100

86 7.1 5.3 7.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

1200000

1000000

800000

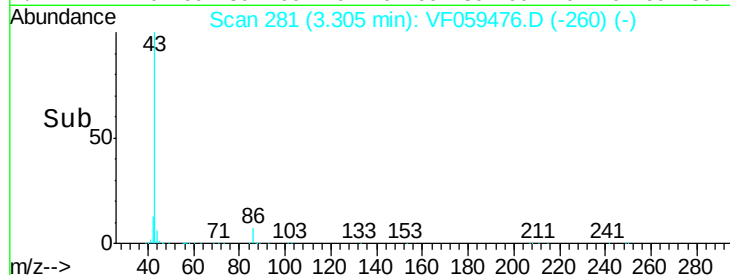
600000

400000

200000

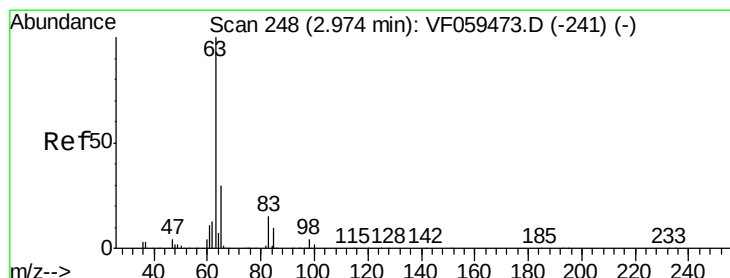
0

Time-->



3.30

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 161.122 ug/l

RT: 2.97 min Scan# 247

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

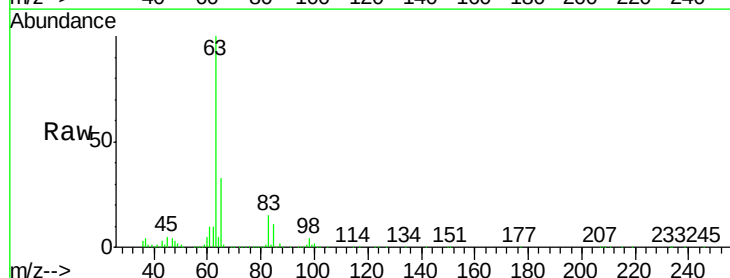
Tgt Ion: 63 Resp: 662770

Ion Ratio Lower Upper

63 100

98 3.8 1.8 5.5

100 2.1 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

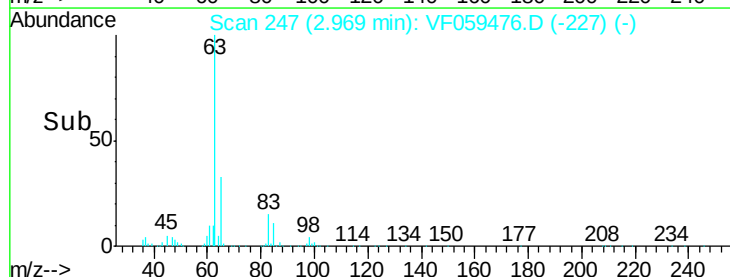
300000

200000

100000

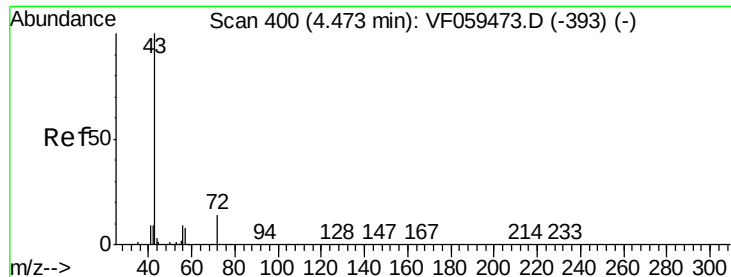
0

Time-->



2.97

2.80 2.90 3.00 3.10 3.20



#25

2-Butanone

Concen: 621.316 ug/l

RT: 4.48 min Scan# 400

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

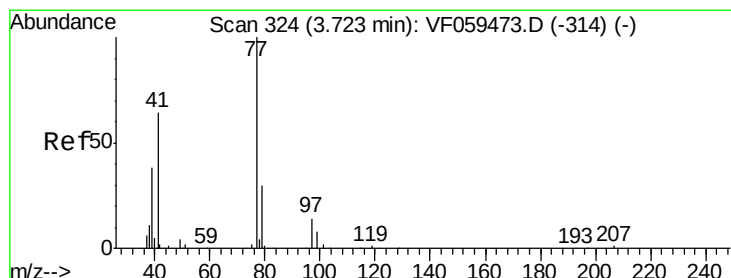
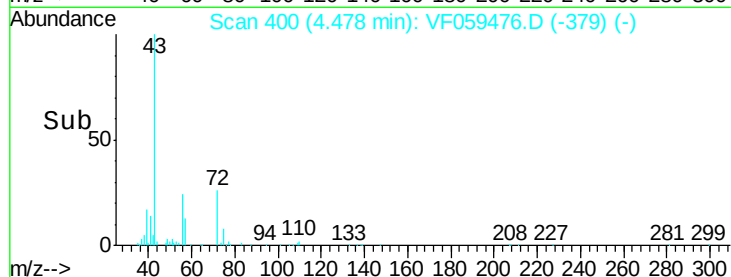
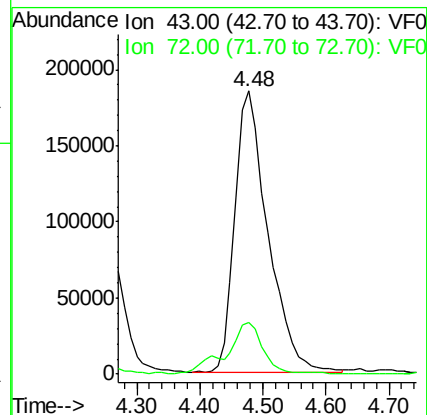
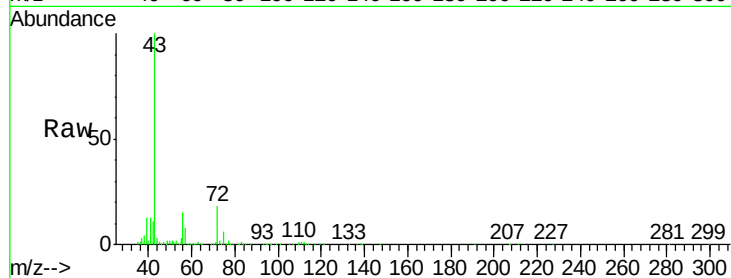
VSTDIC150

Tgt Ion: 43 Resp: 668737

Ion Ratio Lower Upper

43 100

72 18.4 13.8 20.8



#26

2,2-Dichloropropane

Concen: 127.957 ug/l

RT: 3.73 min Scan# 324

Delta R.T. 0.01 min

Lab File: VF059476.D

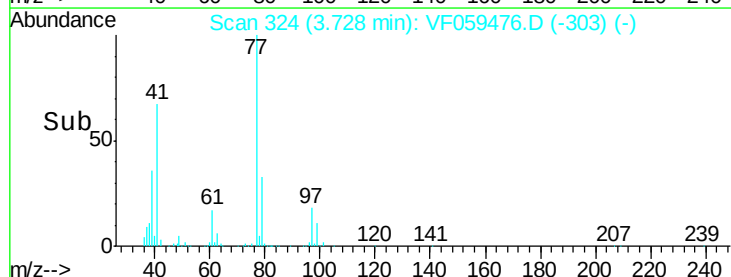
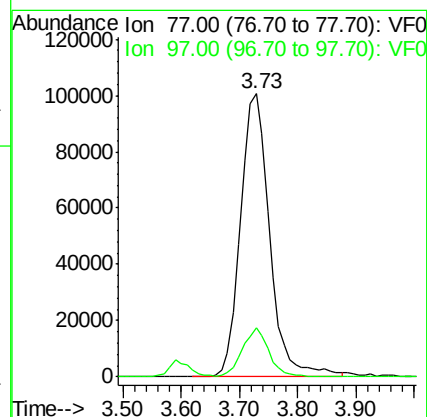
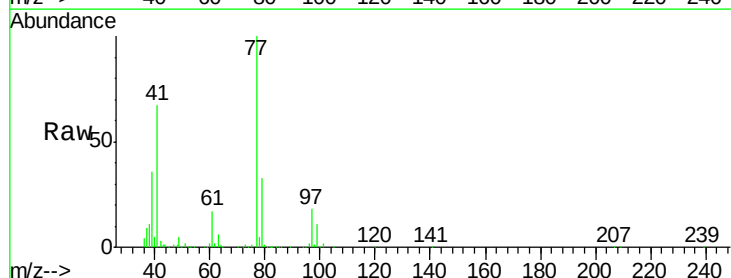
Acq: 7 Jul 2018 4:50

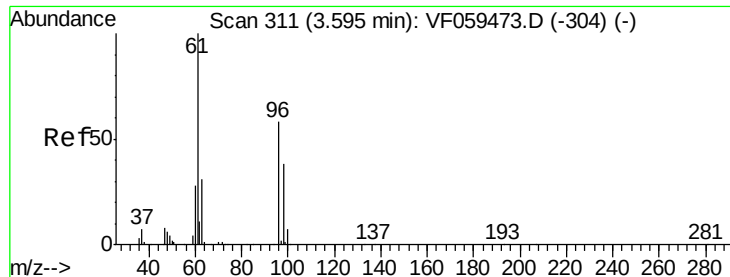
Tgt Ion: 77 Resp: 352489

Ion Ratio Lower Upper

77 100

97 17.6 7.7 23.1



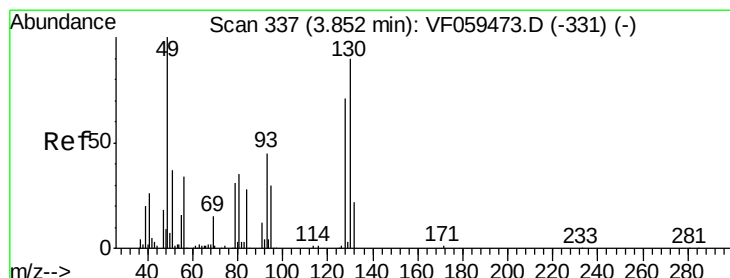
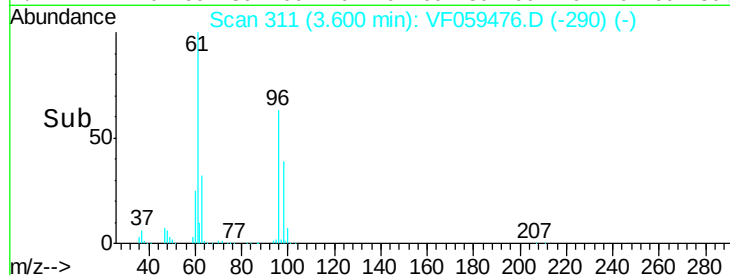
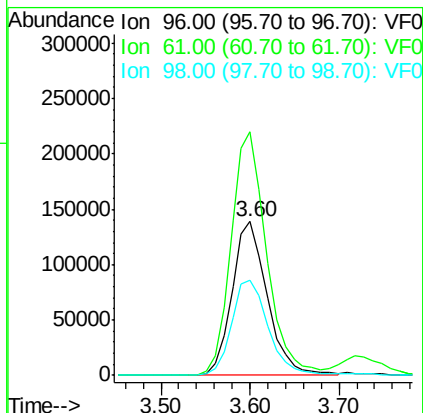
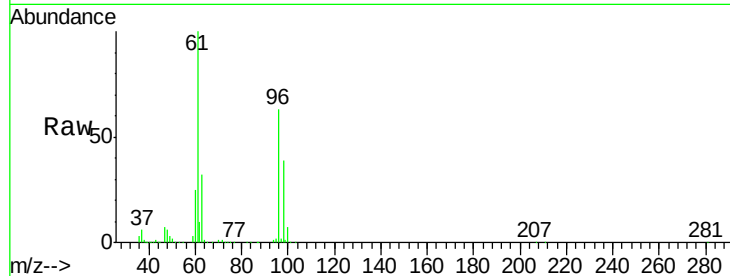


#27

cis-1,2-Dichloroethene
Concen: 151.497 ug/l
RT: 3.60 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

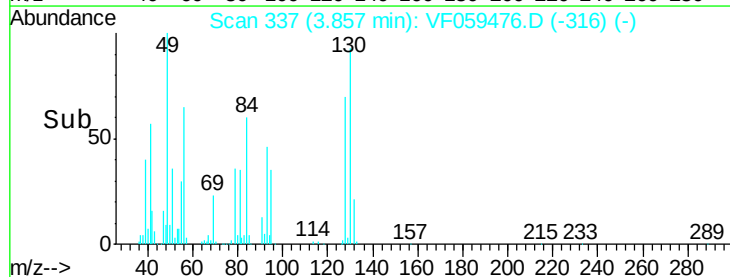
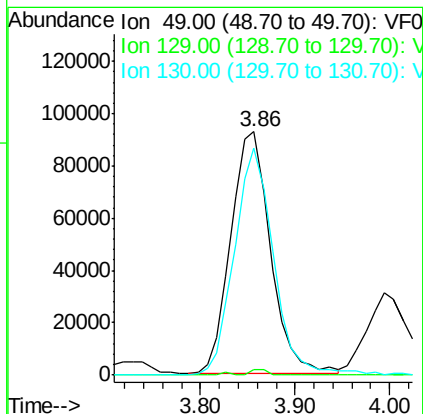
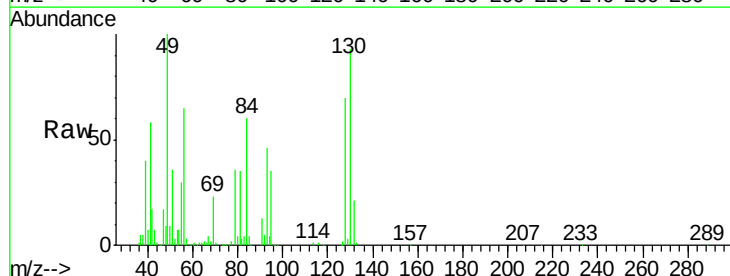
Tgt Ion: 96 Resp: 383422
Ion Ratio Lower Upper
96 100
61 158.2 0.0 342.0
98 61.6 0.0 130.0

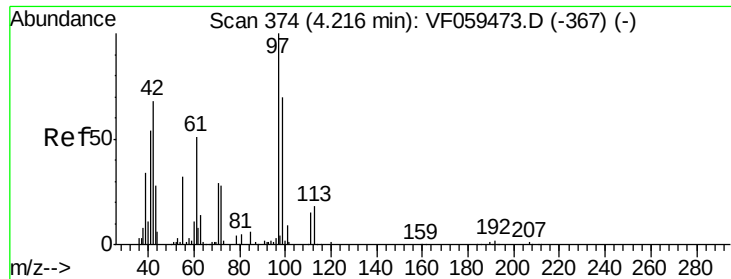


#28

Bromochloromethane
Concen: 151.047 ug/l
RT: 3.86 min Scan# 337
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion: 49 Resp: 269303
Ion Ratio Lower Upper
49 100
129 2.5 0.0 6.2
130 93.0 71.4 107.0

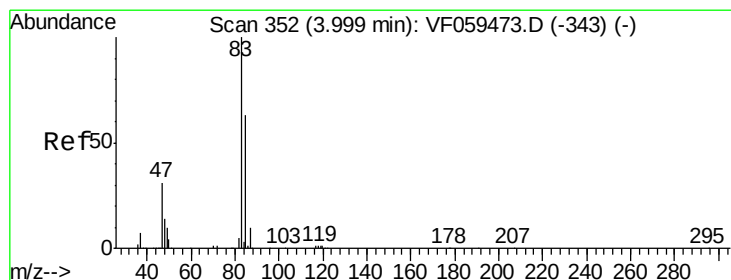
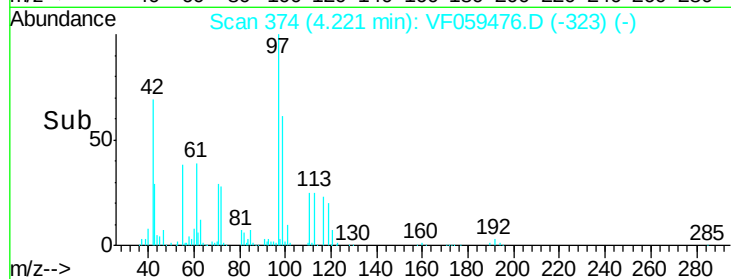
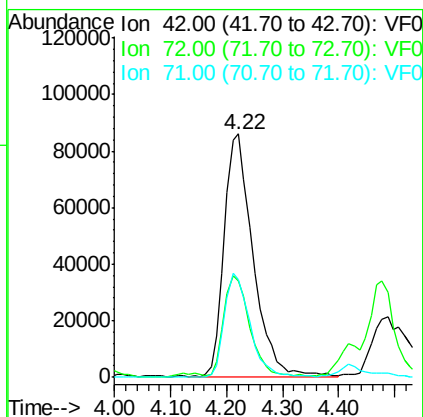
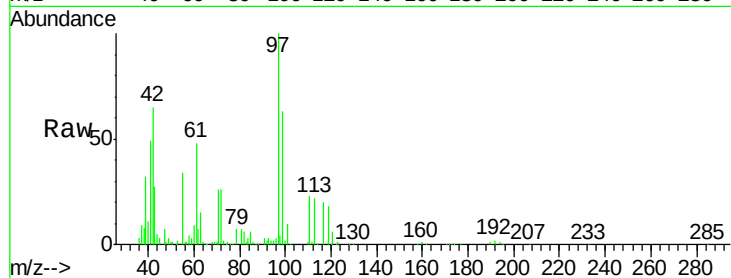




#29
Tetrahydrofuran
Concen: 645.458 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

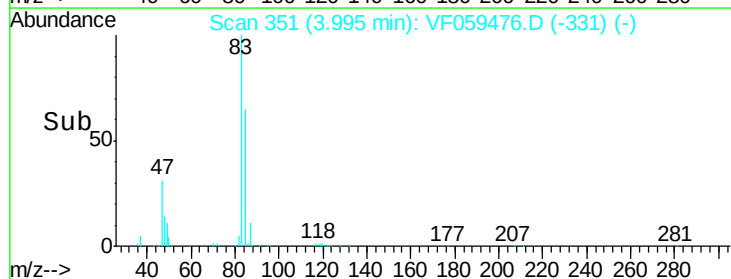
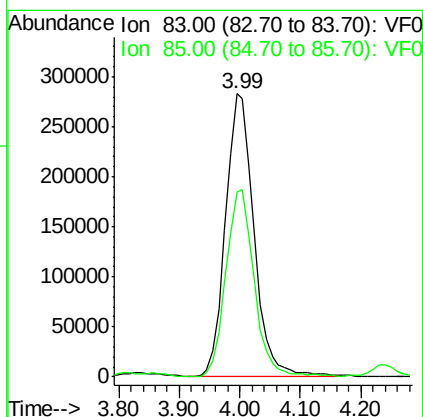
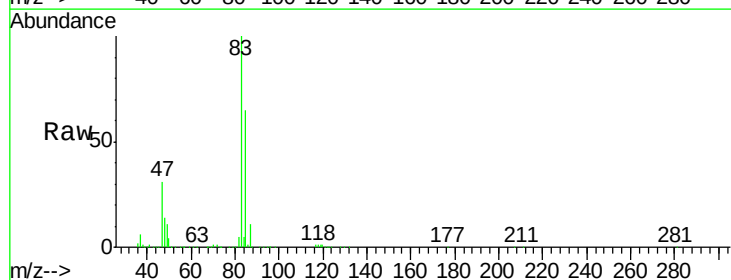
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

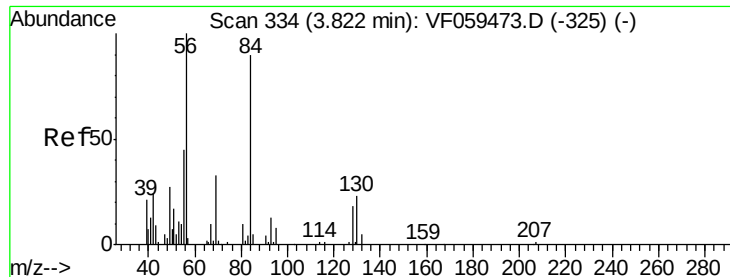
Tgt Ion: 42 Resp: 306385
Ion Ratio Lower Upper
42 100
72 37.5 29.2 43.8
71 38.4 30.1 45.1



#30
Chloroform
Concen: 154.477 ug/l
RT: 3.99 min Scan# 351
Delta R.T. -0.00 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion: 83 Resp: 919503
Ion Ratio Lower Upper
83 100
85 65.3 50.3 75.5

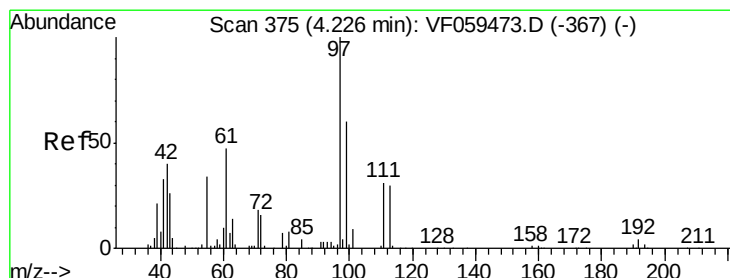
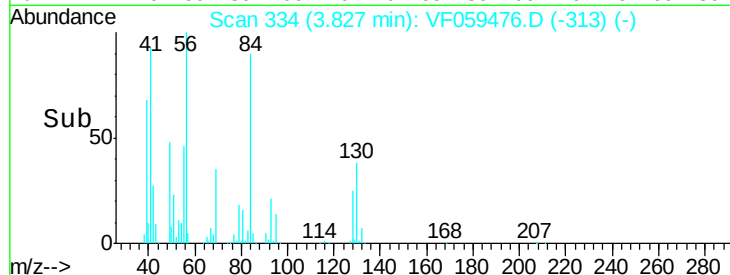
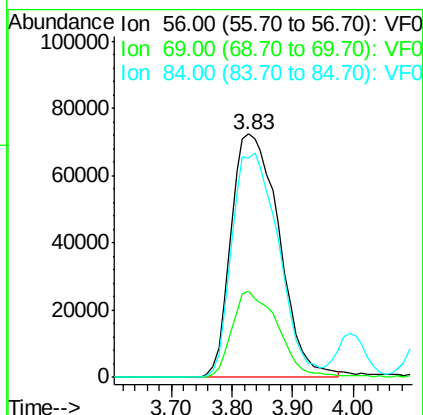
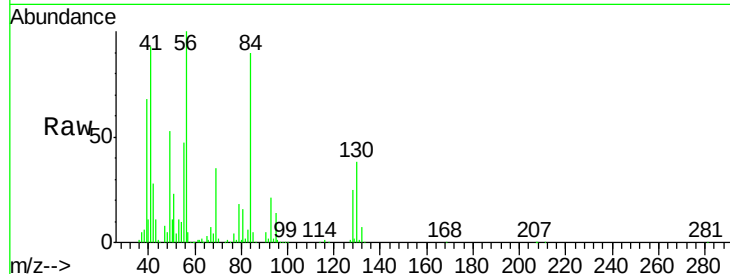




#31
Cyclohexane
Concen: 150.170 ug/l
RT: 3.83 min Scan# 334
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

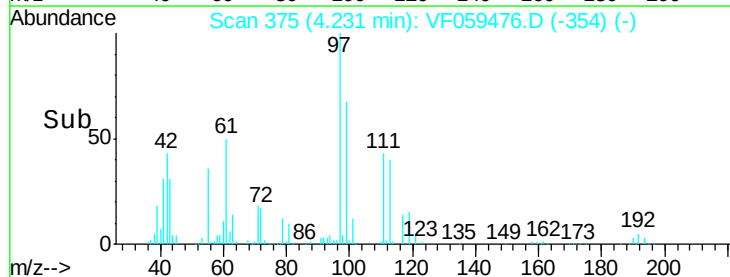
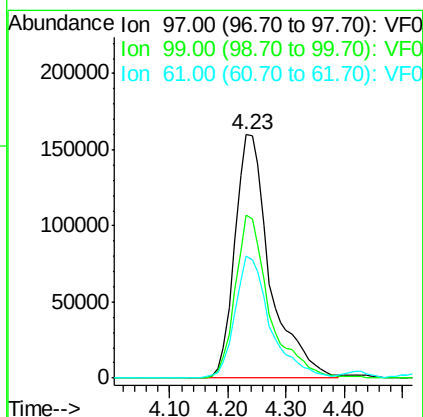
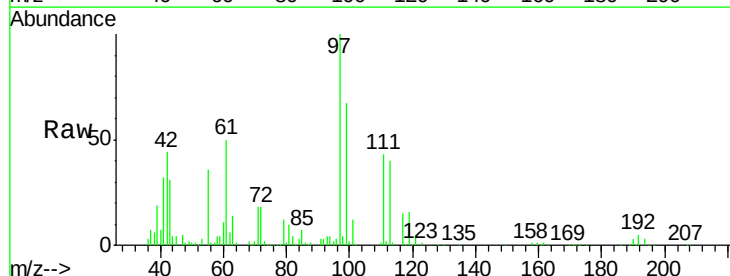
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

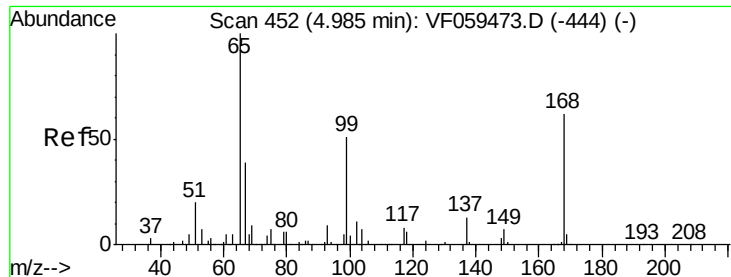
Tgt Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.2	39.2
84	89.8	72.3	108.5



#32
1,1,1-Trichloroethane
Concen: 153.436 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.1	47.8	71.6
61	50.3	37.9	56.9

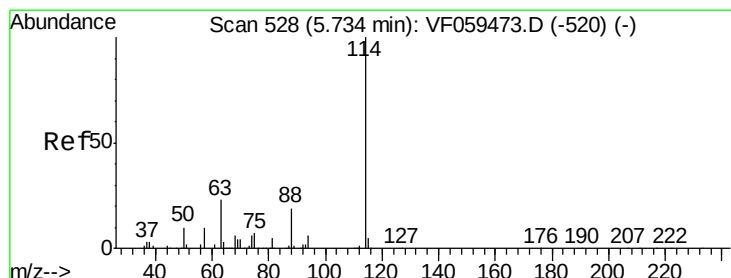
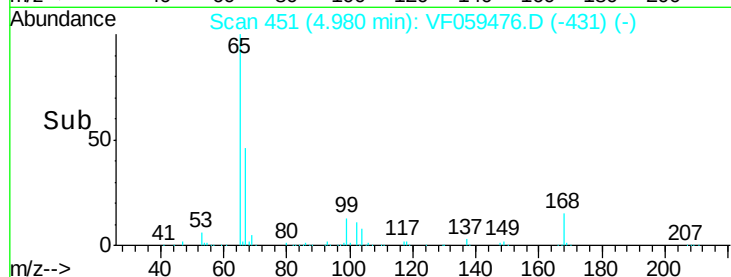
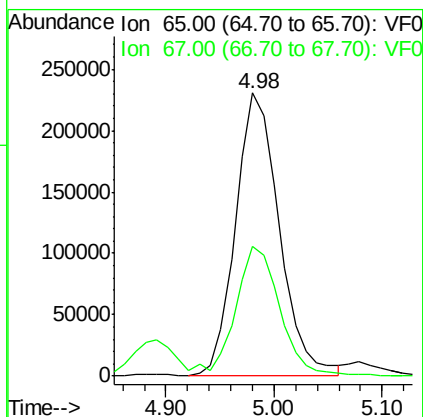
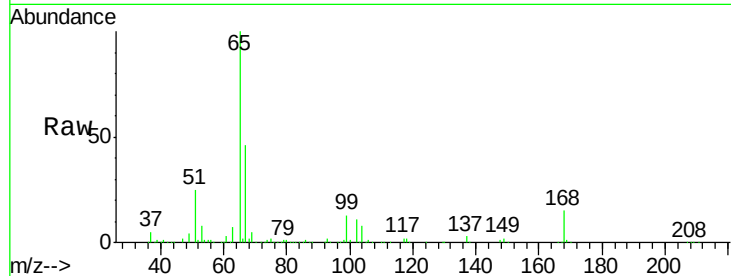




#33
 1,2-Dichloroethane-d4
 Concen: 178.659 ug/l
 RT: 4.98 min Scan# 451
 Delta R.T. -0.00 min
 Lab File: VF059476.D
 Acq: 7 Jul 2018 4:50

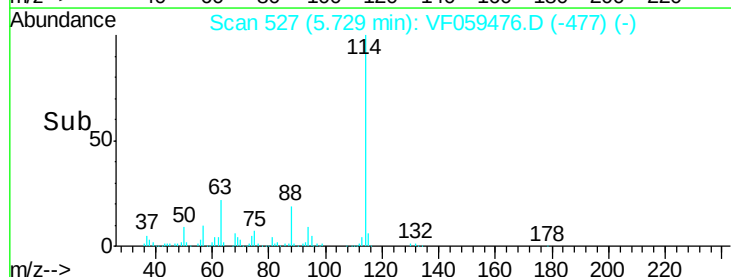
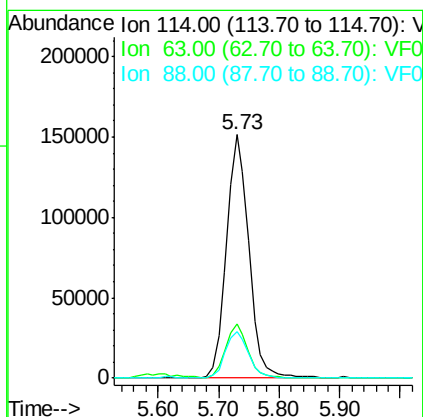
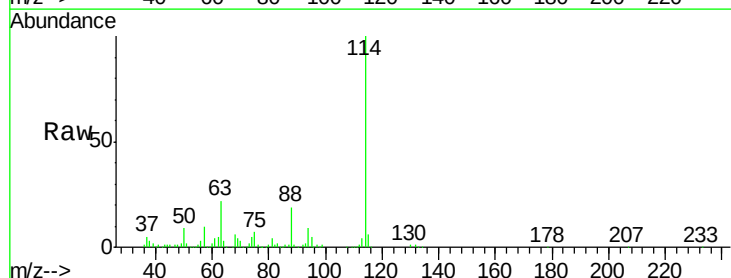
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

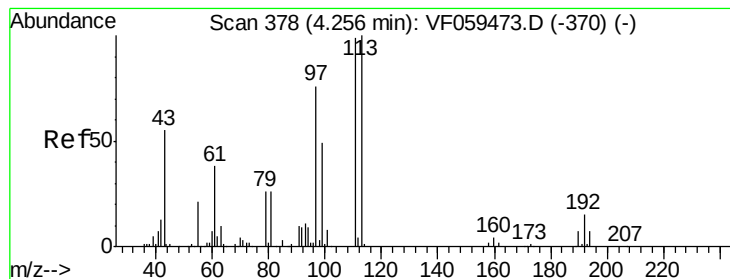
Tgt Ion: 65 Resp: 648776
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 88.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VF059476.D
 Acq: 7 Jul 2018 4:50

Tgt Ion: 114 Resp: 389791
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.2
 88 19.2 0.0 38.0





#35

Dibromofluoromethane

Concen: 170.486 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

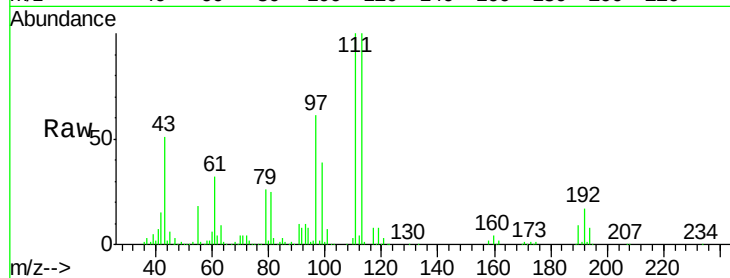
Tgt Ion:113 Resp: 512429

Ion Ratio Lower Upper

113 100

111 99.8 79.3 118.9

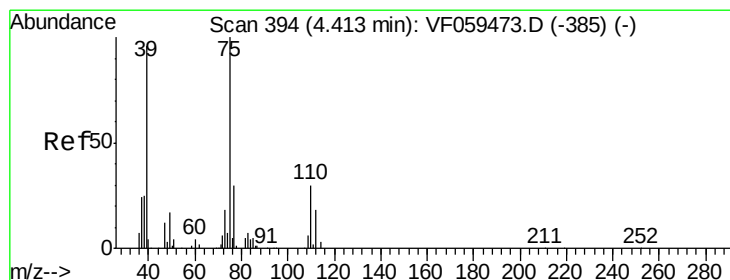
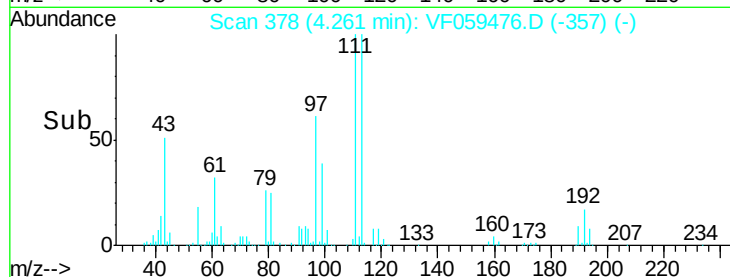
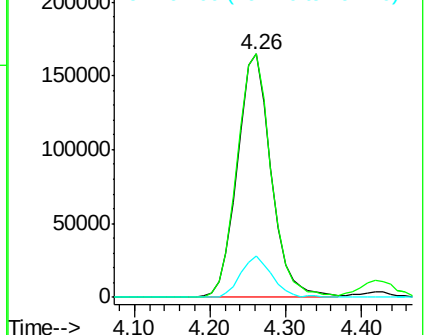
192 16.7 12.0 18.0



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 169.876 ug/l

RT: 4.42 min Scan# 394

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

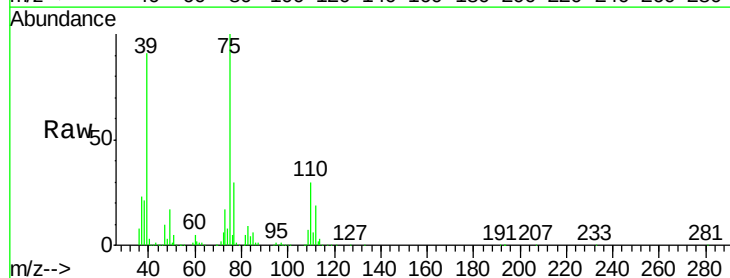
Tgt Ion: 75 Resp: 604438

Ion Ratio Lower Upper

75 100

110 29.6 15.2 45.5

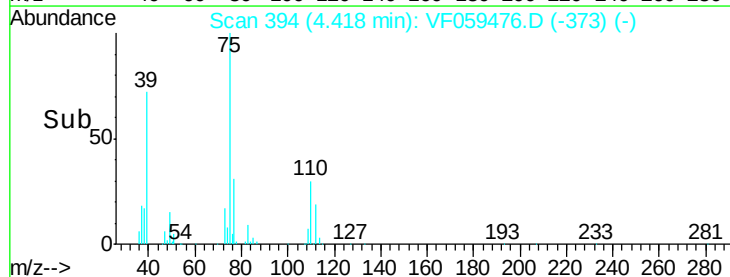
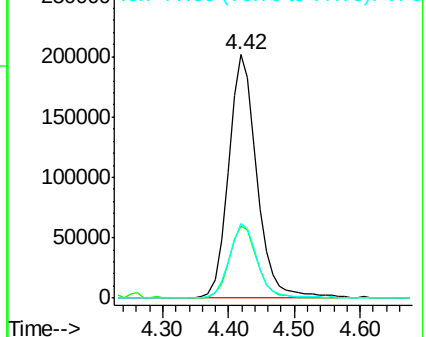
77 30.4 24.2 36.2

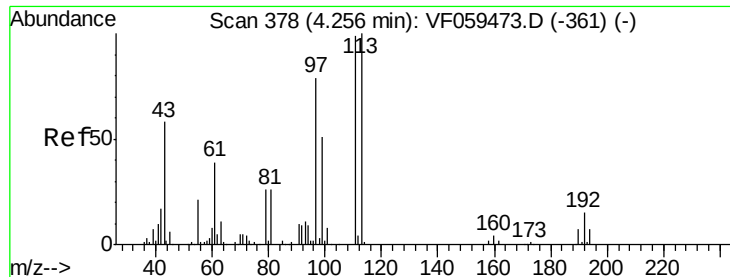


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

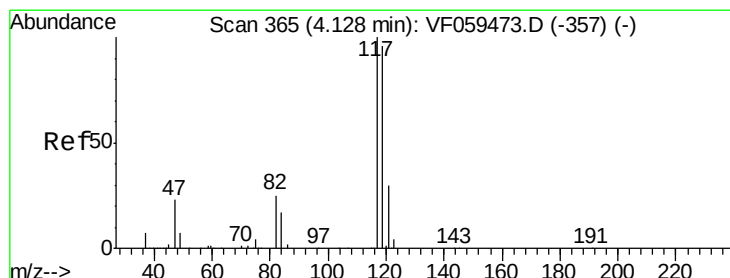
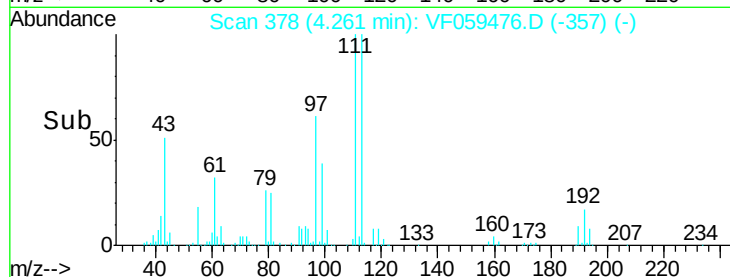
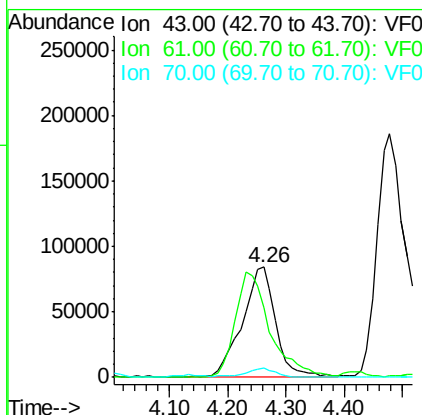
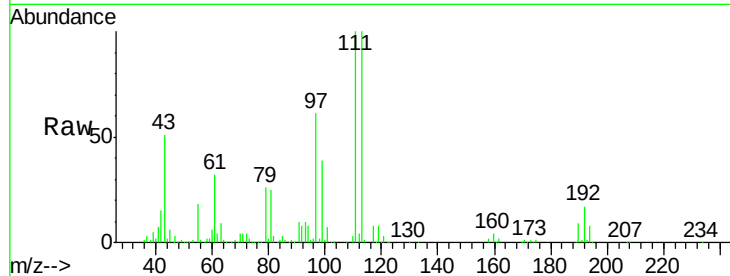




#37
Ethyl Acetate
Concen: 136.150 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

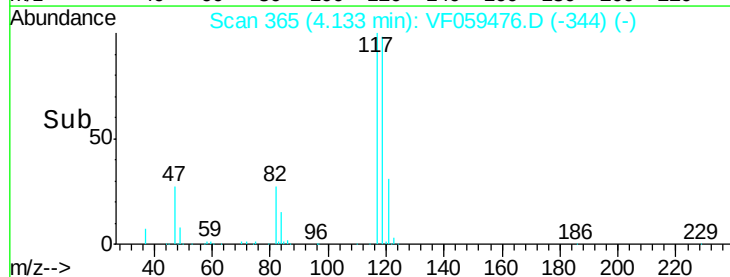
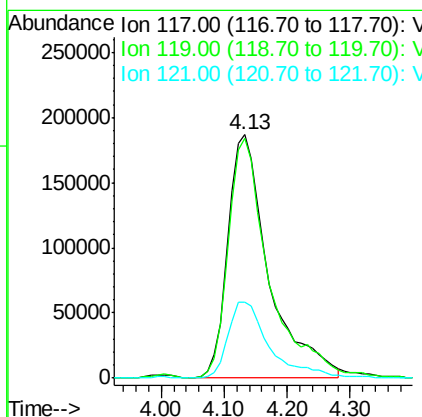
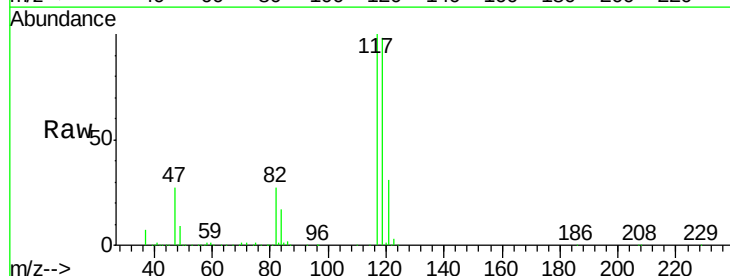
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

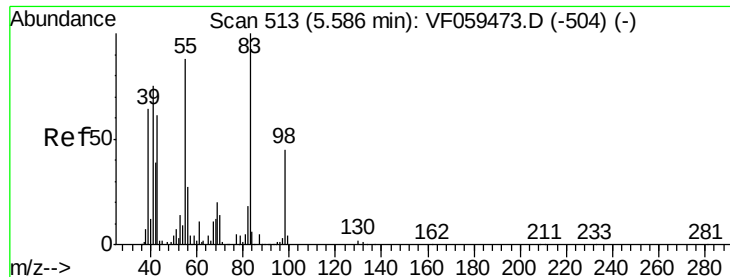
Tgt Ion: 43 Resp: 327884
Ion Ratio Lower Upper
43 100
61 63.3 54.2 81.4
70 8.4 7.0 10.6



#38
Carbon Tetrachloride
Concen: 183.289 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion: 117 Resp: 839361
Ion Ratio Lower Upper
117 100
119 98.3 76.5 114.7
121 31.0 23.6 35.4

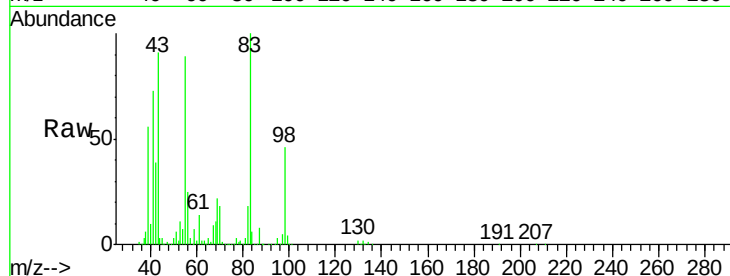




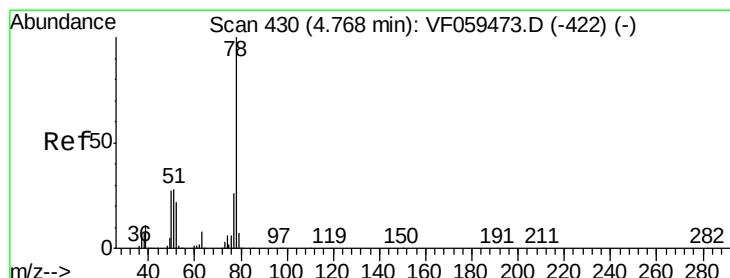
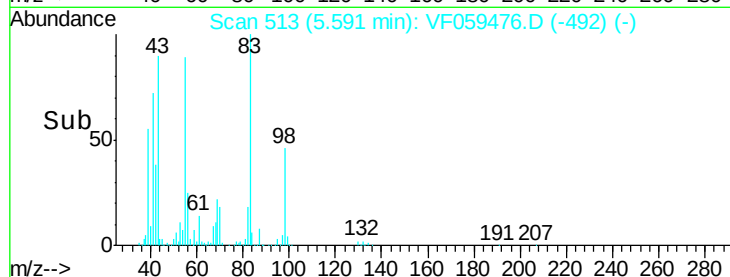
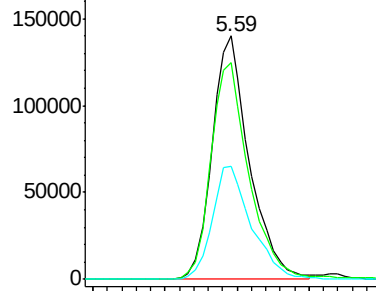
#39
Methylcyclohexane
Concen: 158.358 ug/l
RT: 5.59 min Scan# 513
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 499840
Ion Ratio Lower Upper
83 100
55 89.1 70.6 105.8
98 46.4 36.3 54.5

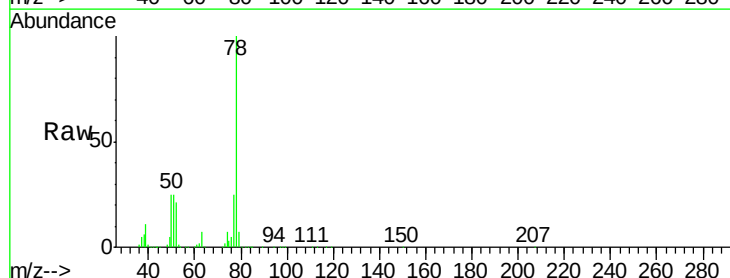


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

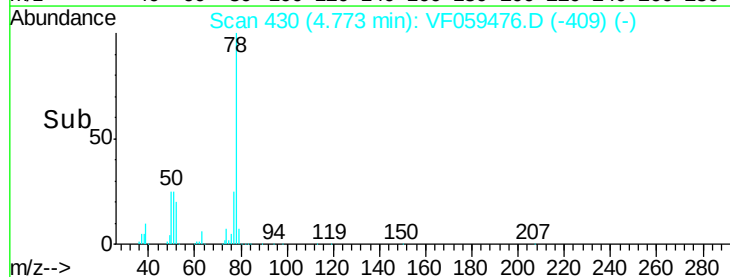
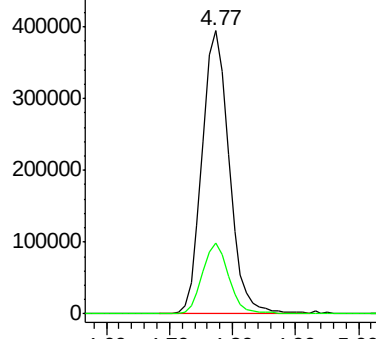


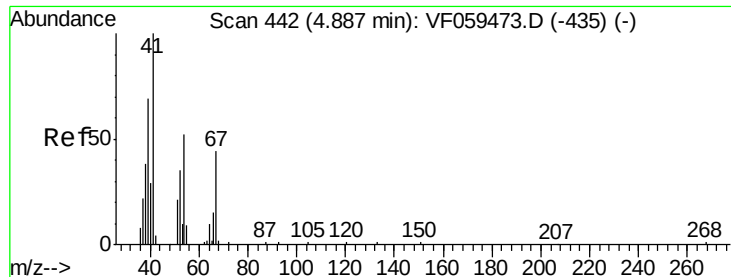
#40
Benzene
Concen: 153.484 ug/l
RT: 4.77 min Scan# 430
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion: 78 Resp: 1175024
Ion Ratio Lower Upper
78 100
77 24.8 20.8 31.2



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

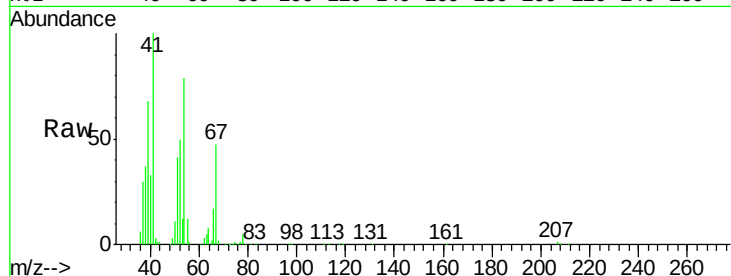




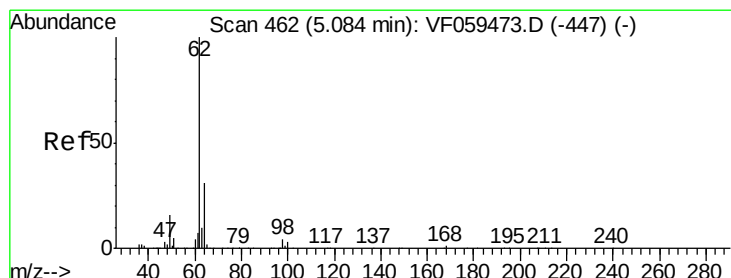
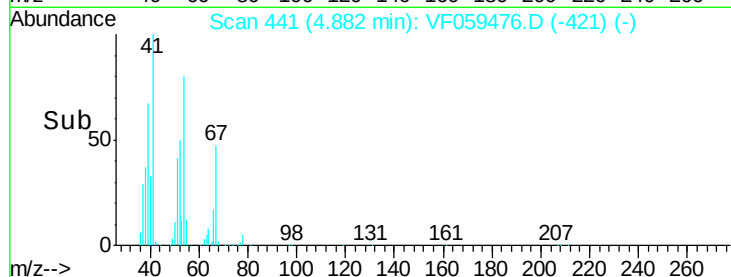
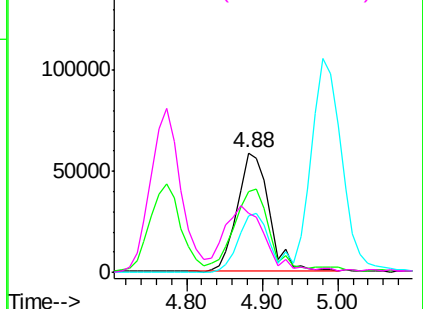
#41
Methacrylonitrile
Concen: 147.102 ug/l
RT: 4.88 min Scan# 441
Delta R.T. -0.00 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Tgt Ion:	41	Resp:	171148
Ion	Ratio	Lower	Upper
41	100		
39	67.6	61.7	92.5
67	46.7	35.4	53.2
52	49.8	37.4	56.2

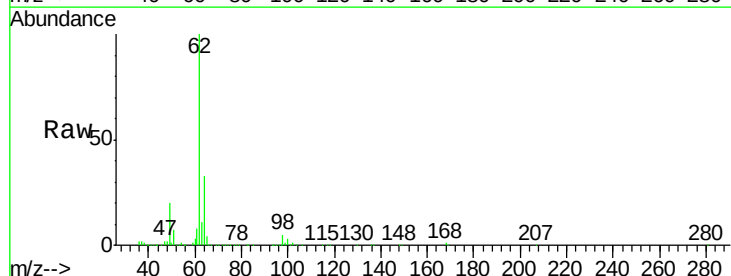


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

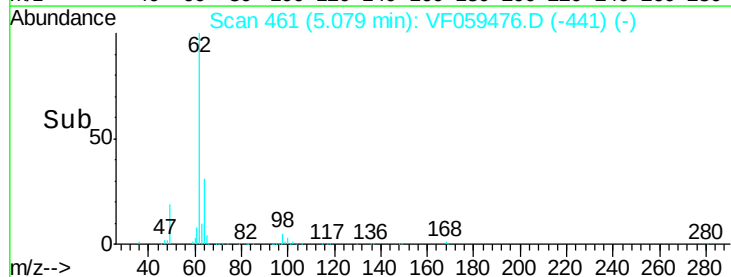
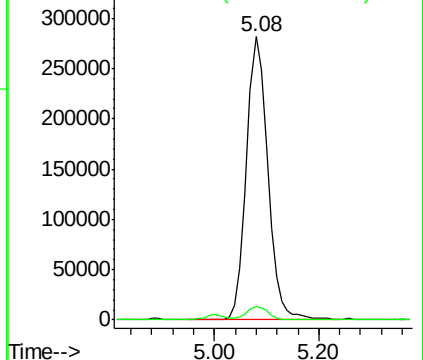


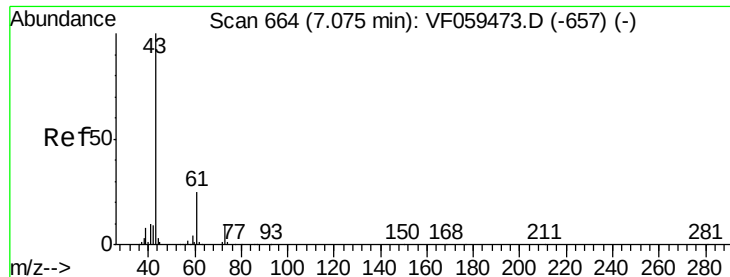
#42
1,2-Dichloroethane
Concen: 167.556 ug/l
RT: 5.08 min Scan# 461
Delta R.T. -0.00 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion:	62	Resp:	780951
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	7.6



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

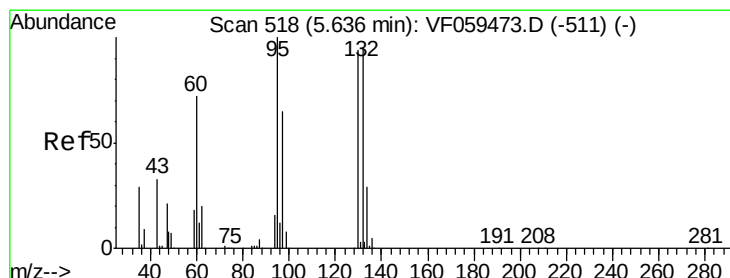
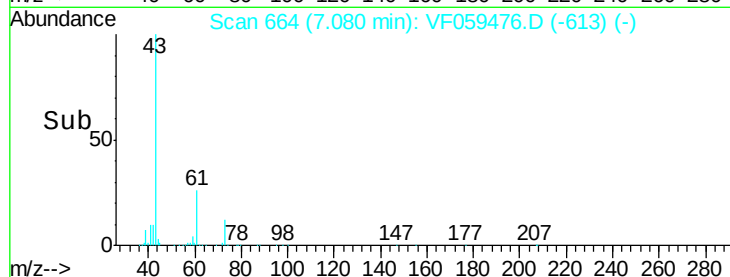
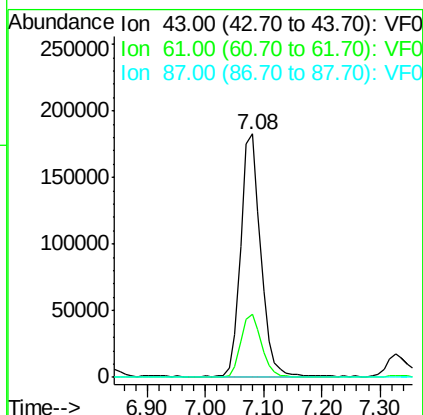
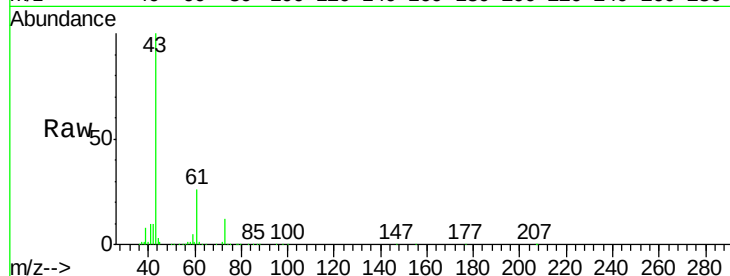




#43
Isopropyl Acetate
Concen: 154.418 ug/l
RT: 7.08 min Scan# 664
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

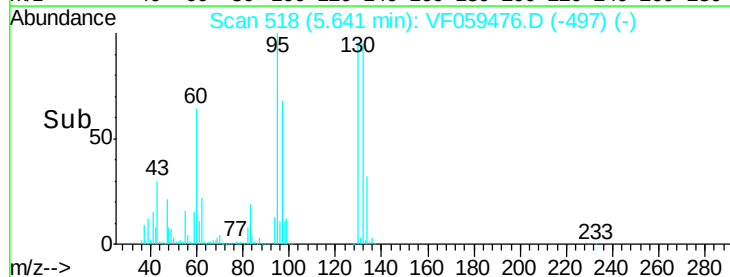
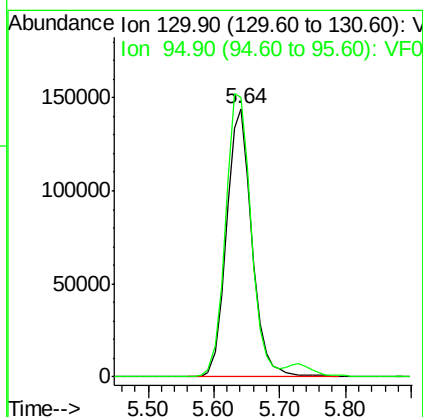
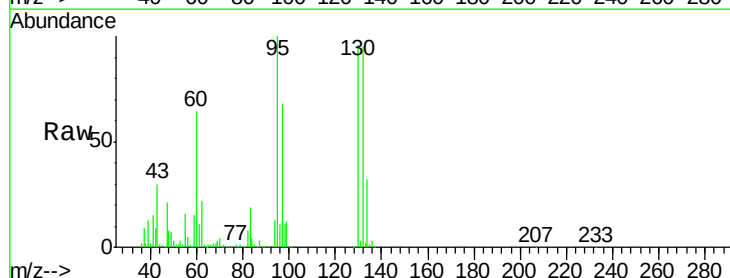
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

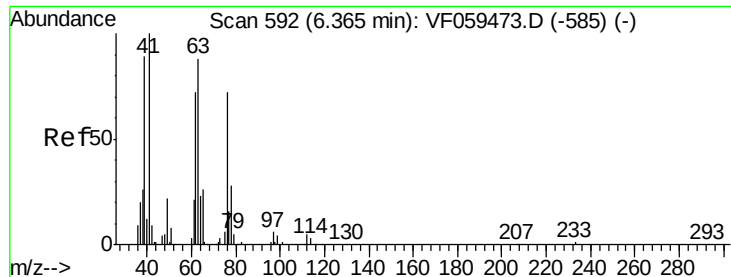
Tgt Ion: 43 Resp: 436248
Ion Ratio Lower Upper
43 100
61 25.9 20.3 30.5
87 0.4 0.3 0.5



#44
Trichloroethene
Concen: 145.083 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion: 130 Resp: 389422
Ion Ratio Lower Upper
130 100
95 104.2 0.0 214.6





#45

1,2-Dichloropropane

Concen: 152.257 ug/l

RT: 6.37 min Scan# 592

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

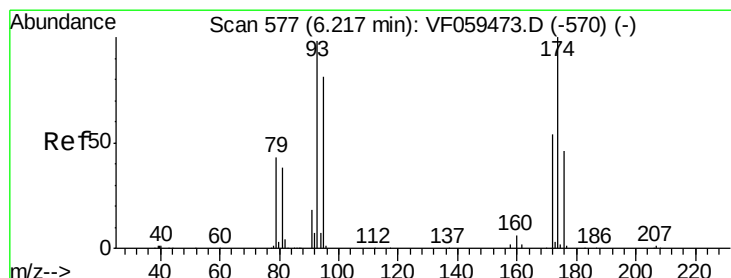
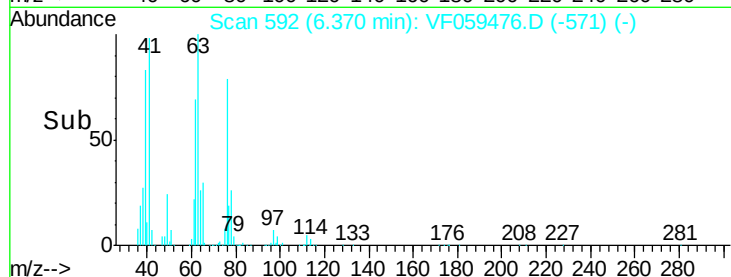
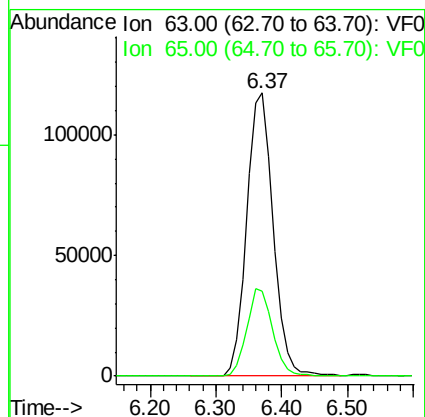
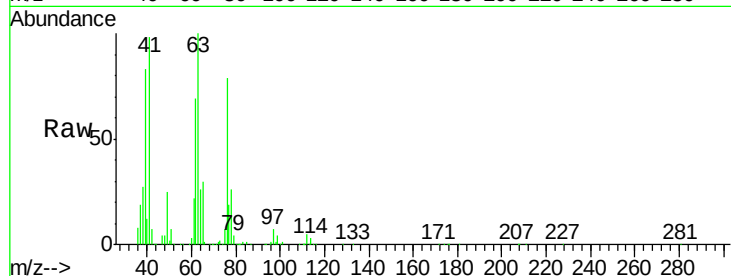
VSTDIC150

Tgt Ion: 63 Resp: 331897

Ion Ratio Lower Upper

63 100

65 30.1 23.5 35.3



#46

Dibromomethane

Concen: 158.327 ug/l

RT: 6.21 min Scan# 576

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

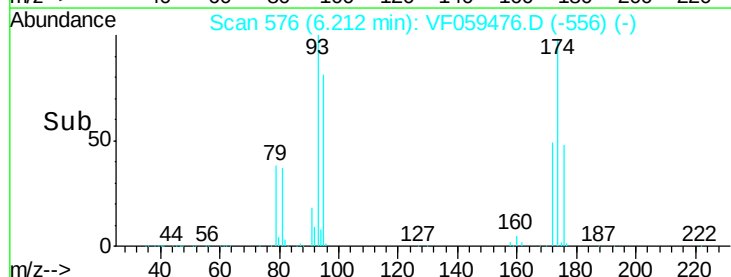
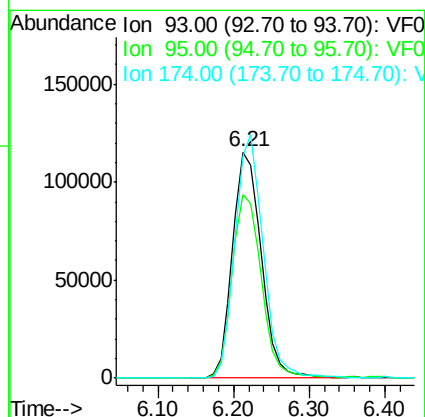
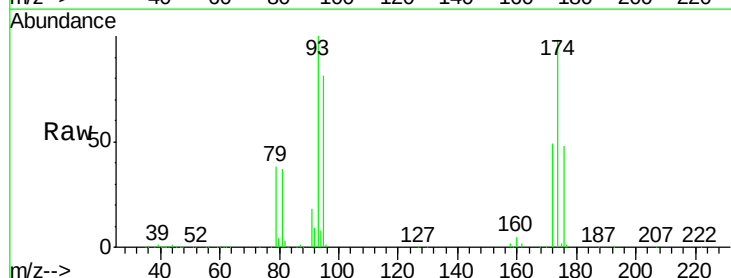
Tgt Ion: 93 Resp: 304075

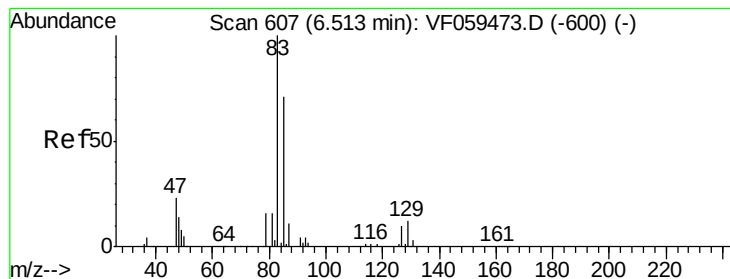
Ion Ratio Lower Upper

93 100

95 81.3 65.9 98.9

174 98.2 83.2 124.8





#47

Bromodichloromethane

Concen: 163.356 ug/l

RT: 6.51 min Scan# 606

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

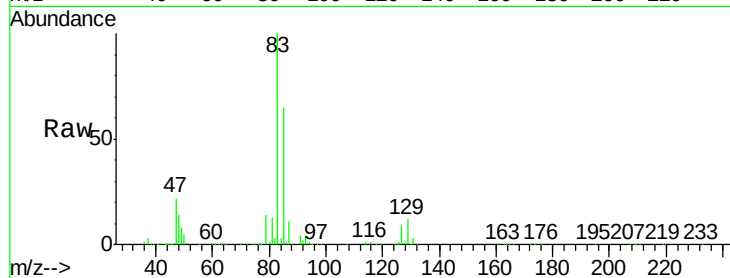
Tgt Ion: 83 Resp: 763900

Ion Ratio Lower Upper

83 100

85 65.1 56.6 84.8

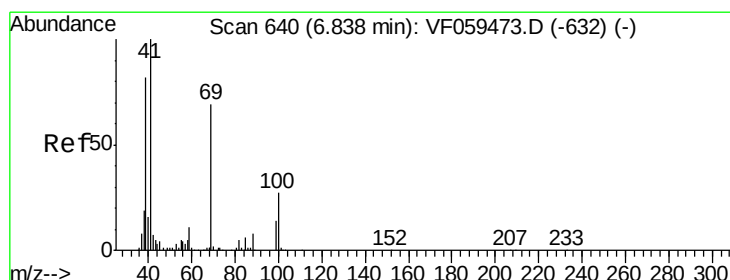
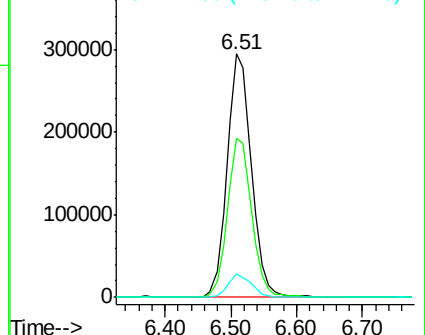
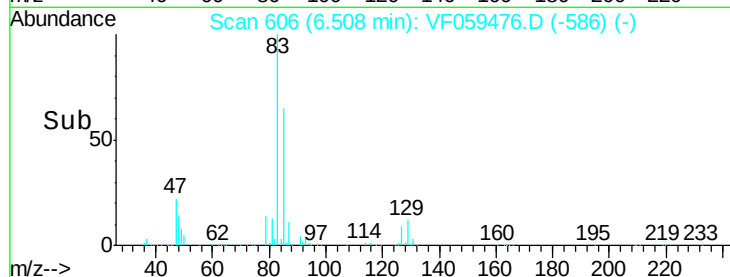
127 9.4 8.1 12.1



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: 160.412 ug/l

RT: 6.83 min Scan# 639

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

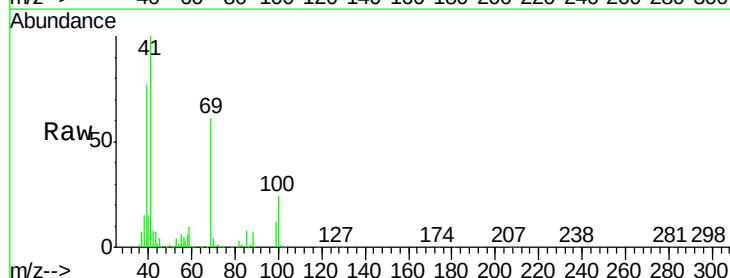
Tgt Ion: 41 Resp: 308614

Ion Ratio Lower Upper

41 100

69 61.4 55.6 83.4

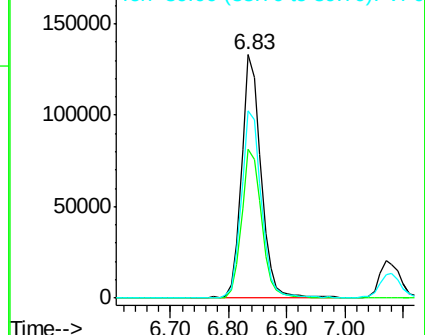
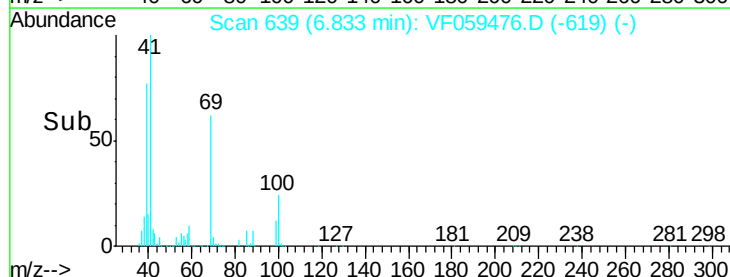
39 77.1 66.0 99.0

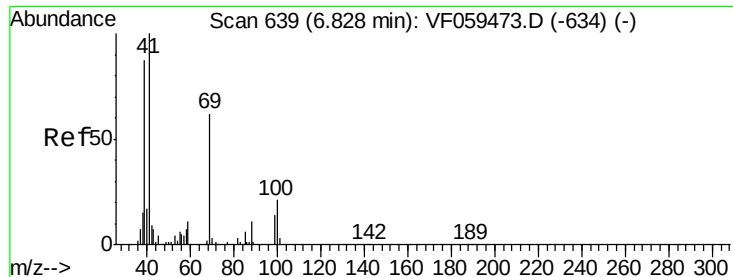


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2140.867 ug/l

RT: 6.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

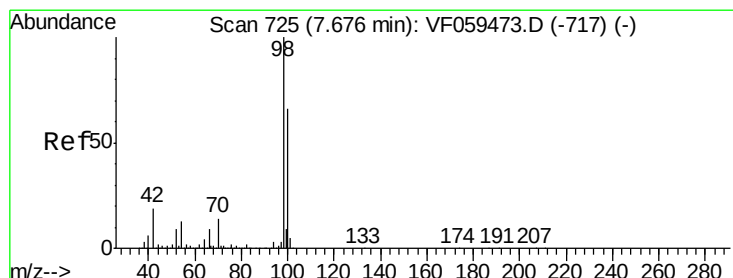
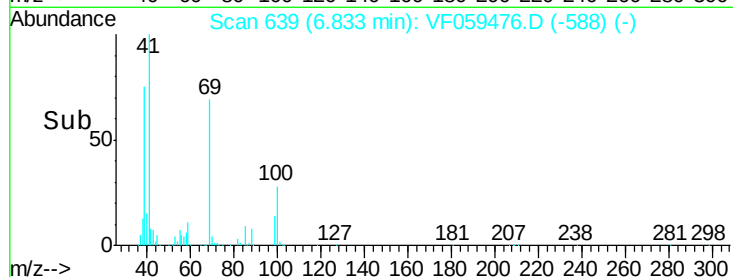
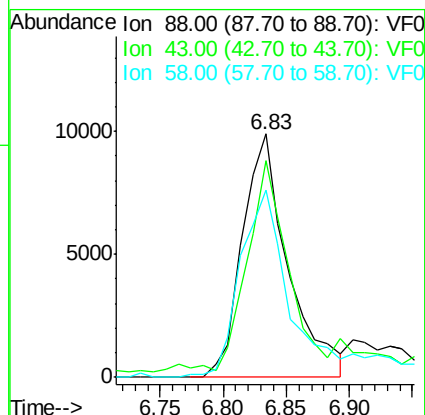
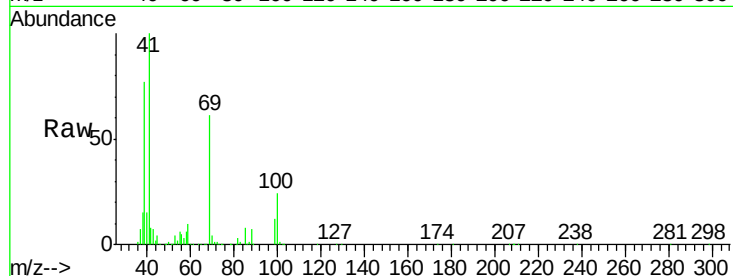
Tgt Ion: 88 Resp: 24822

Ion Ratio Lower Upper

88 100

43 88.9 57.3 85.9#

58 76.9 54.6 81.8



#50

Toluene-d8

Concen: 172.968 ug/l

RT: 7.67 min Scan# 724

Delta R.T. -0.00 min

Lab File: VF059476.D

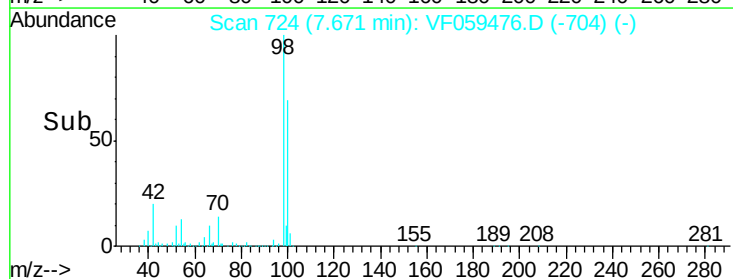
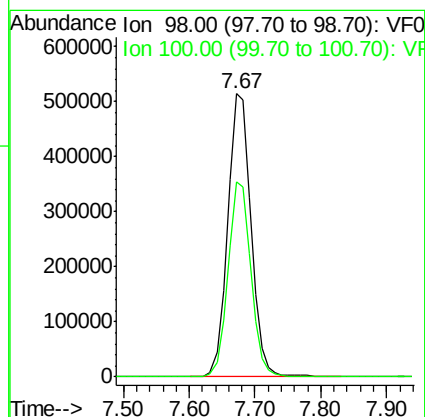
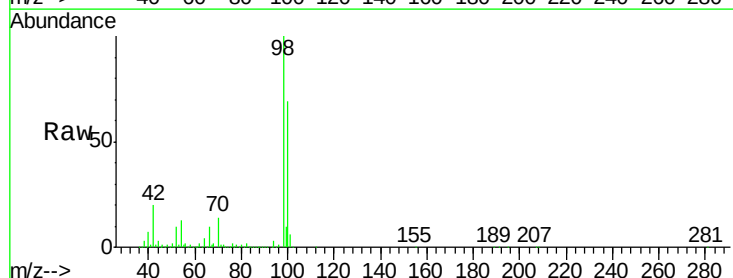
Acq: 7 Jul 2018 4:50

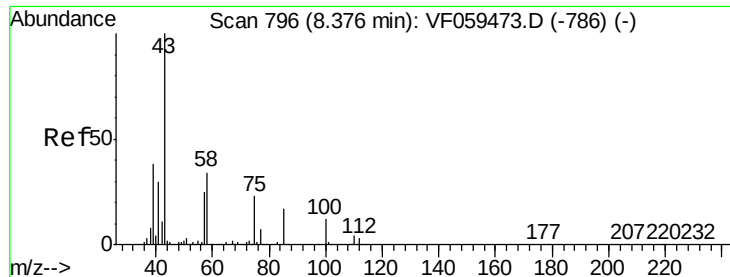
Tgt Ion: 98 Resp: 1278100

Ion Ratio Lower Upper

98 100

100 69.1 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 650.553 ug/l

RT: 8.37 min Scan# 795

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

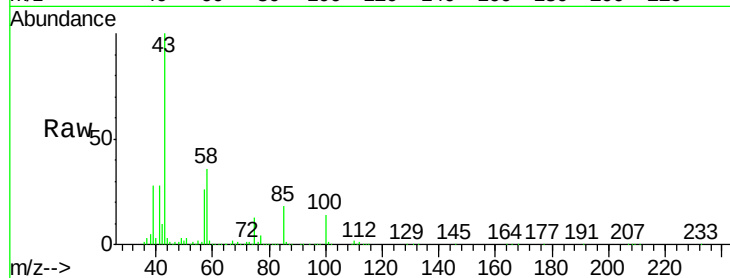
VSTDIC150

Tgt Ion: 43 Resp: 1370290

Ion Ratio Lower Upper

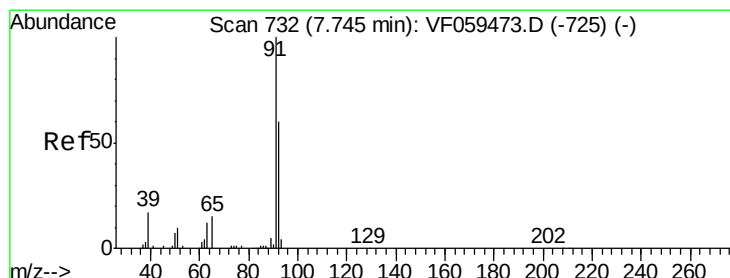
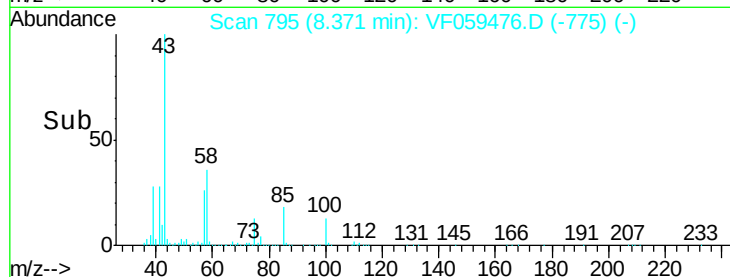
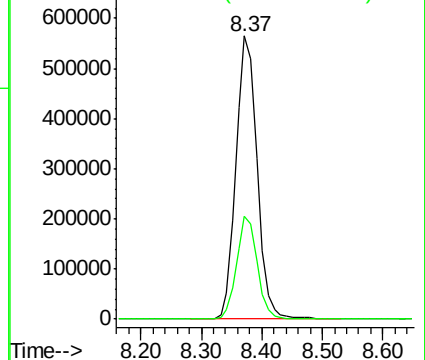
43 100

58 36.2 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 142.488 ug/l

RT: 7.75 min Scan# 732

Delta R.T. 0.01 min

Lab File: VF059476.D

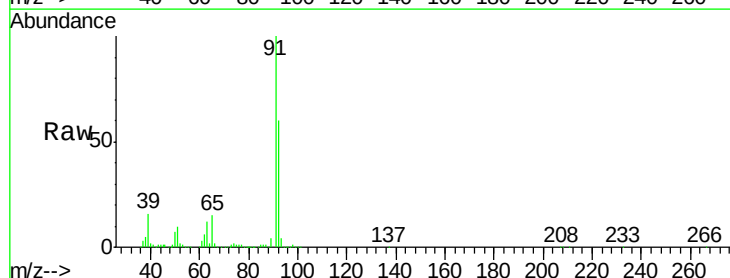
Acq: 7 Jul 2018 4:50

Tgt Ion: 92 Resp: 821809

Ion Ratio Lower Upper

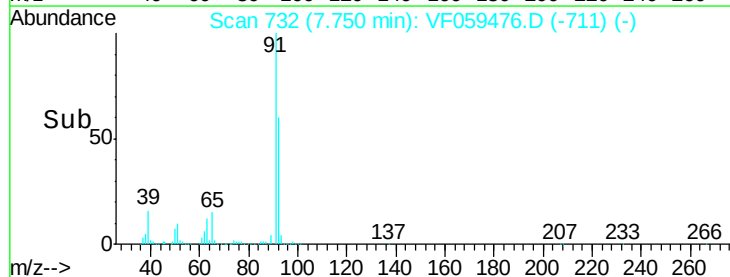
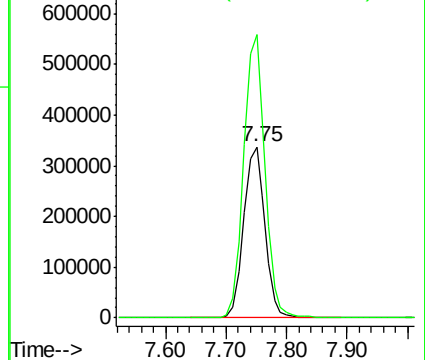
92 100

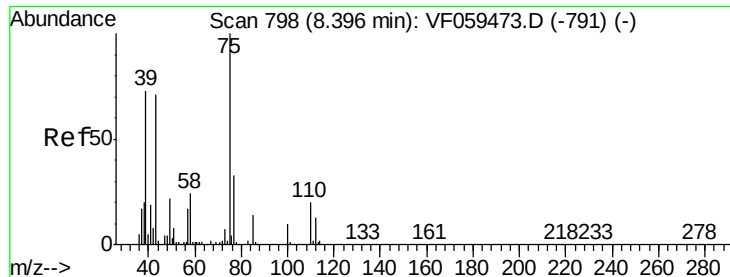
91 165.7 134.3 201.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 151.837 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

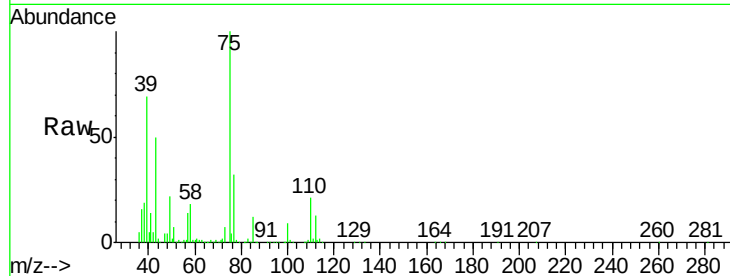
VSTDIC150

Tgt Ion: 75 Resp: 642804

Ion Ratio Lower Upper

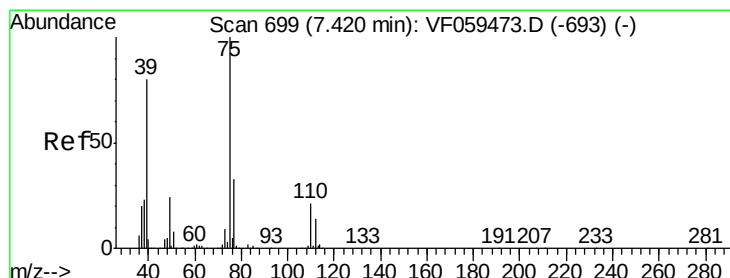
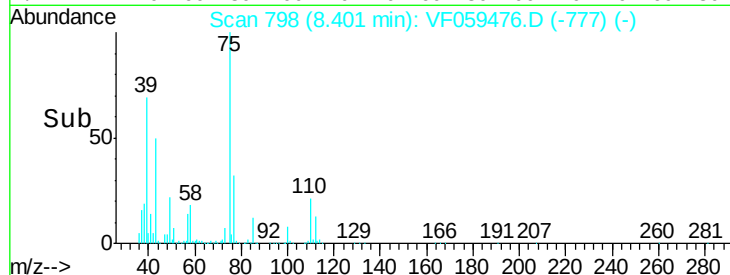
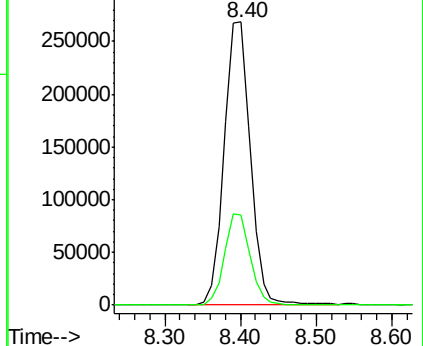
75 100

77 31.9 26.4 39.6



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: 150.615 ug/l

RT: 7.42 min Scan# 699

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

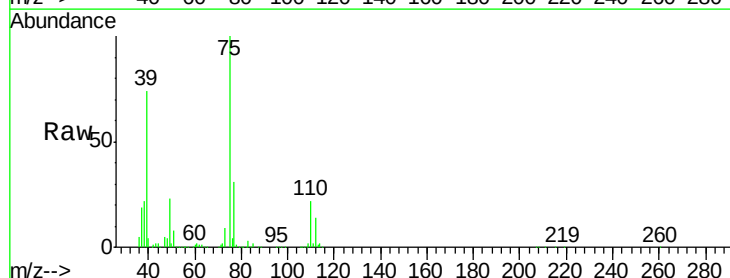
Tgt Ion: 75 Resp: 682808

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.4

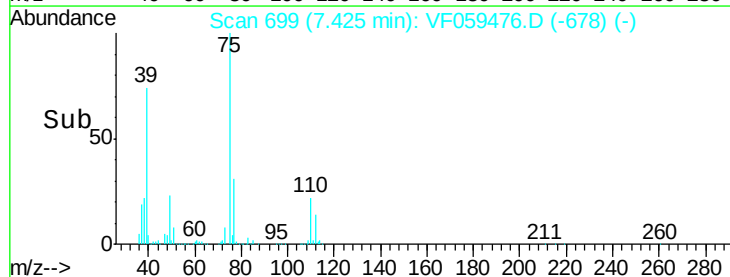
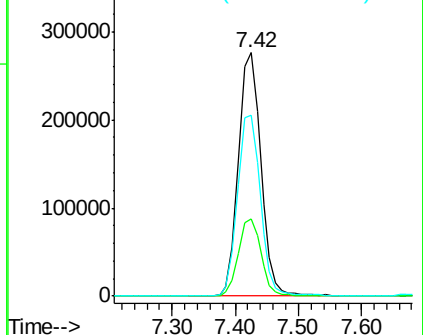
39 74.2 64.5 96.7

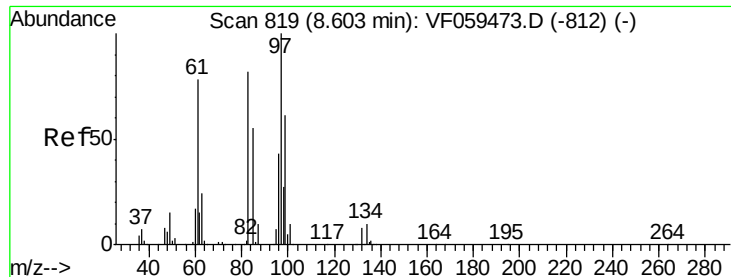


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 151.499 ug/l

RT: 8.61 min Scan# 819

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 337212

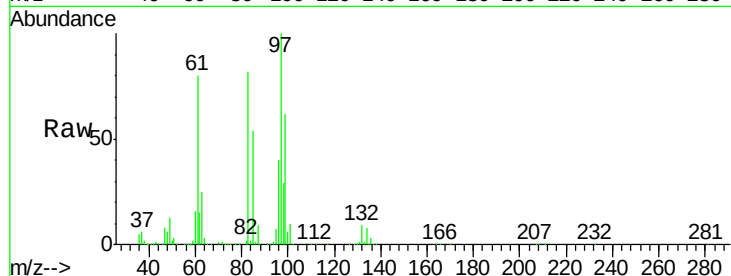
Ion Ratio Lower Upper

97 100

83 82.0 65.7 98.5

85 54.3 43.8 65.6

99 61.9 48.5 72.7

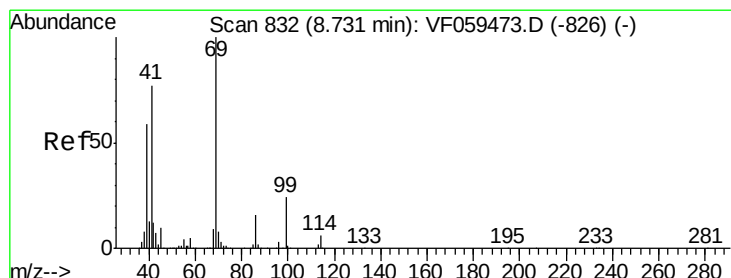
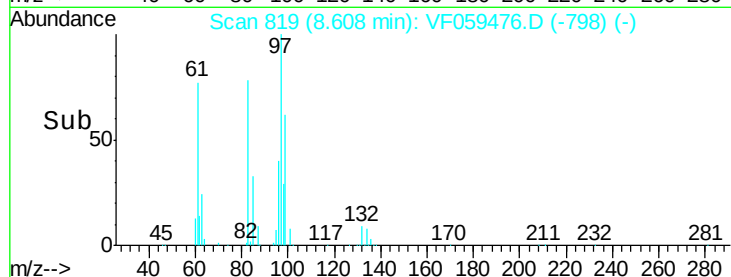
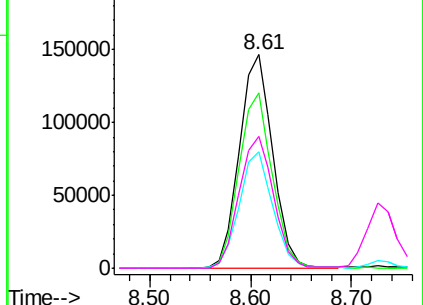


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 150.850 ug/l

RT: 8.73 min Scan# 831

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

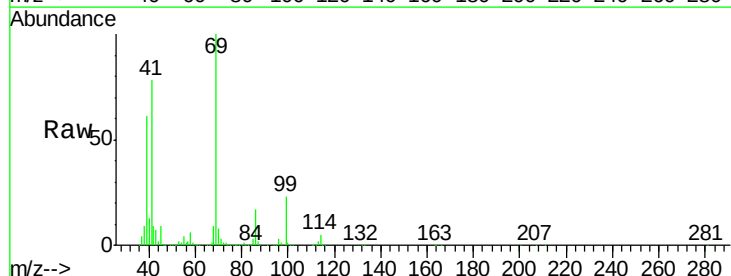
Tgt Ion: 69 Resp: 408707

Ion Ratio Lower Upper

69 100

41 77.7 62.2 93.4

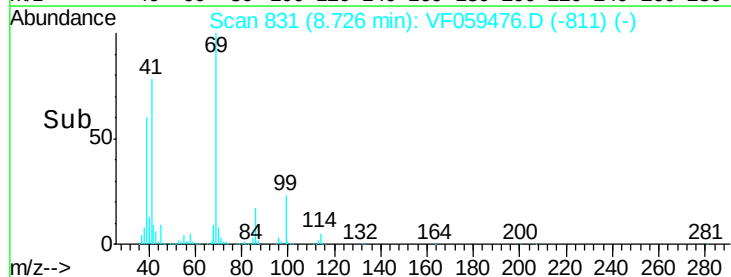
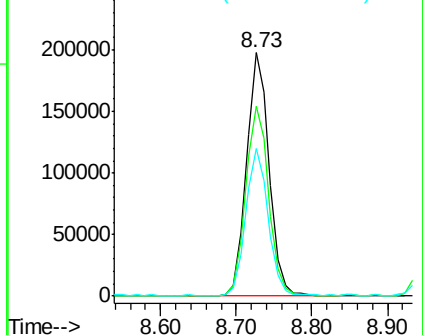
39 60.7 47.7 71.5

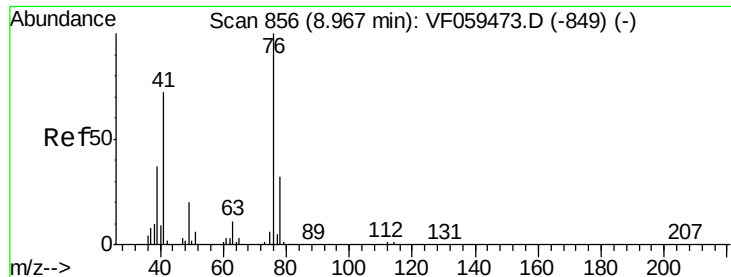


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 150.401 ug/l

RT: 8.96 min Scan# 855

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

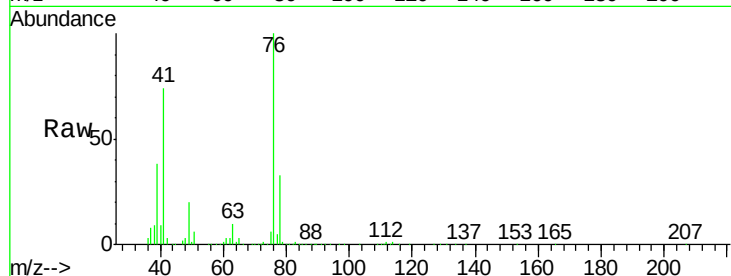
VSTDIC150

Tgt Ion: 76 Resp: 574482

Ion Ratio Lower Upper

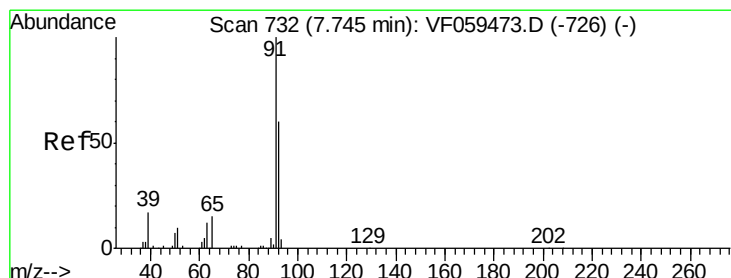
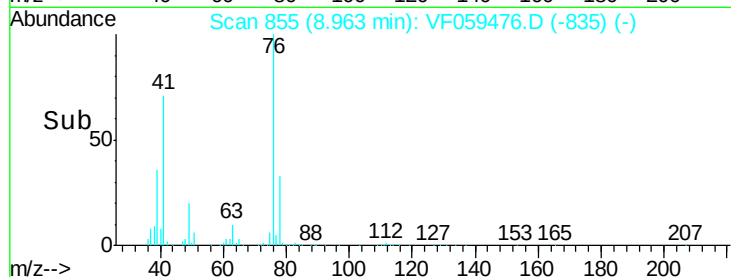
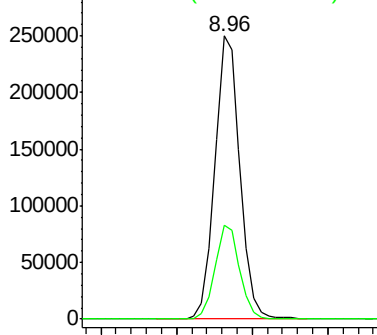
76 100

78 33.0 25.2 37.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 777.989 ug/l

RT: 7.75 min Scan# 732

Delta R.T. 0.01 min

Lab File: VF059476.D

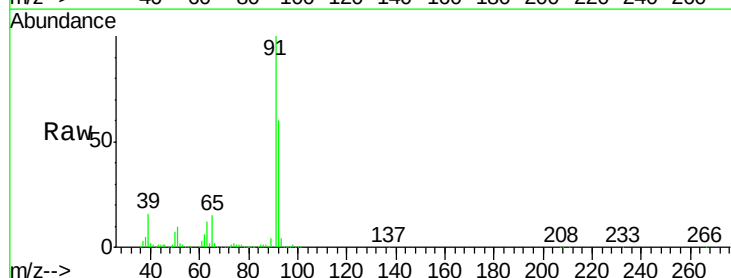
Acq: 7 Jul 2018 4:50

Tgt Ion: 63 Resp: 166294

Ion Ratio Lower Upper

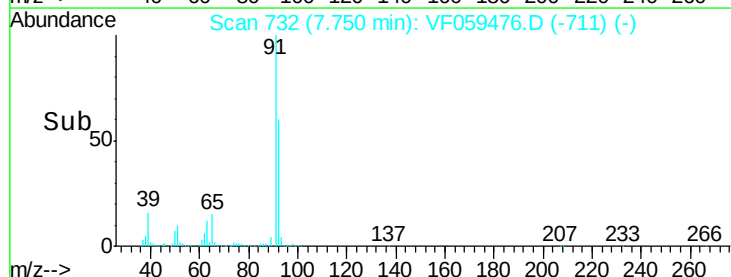
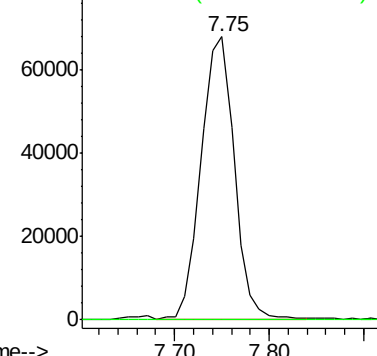
63 100

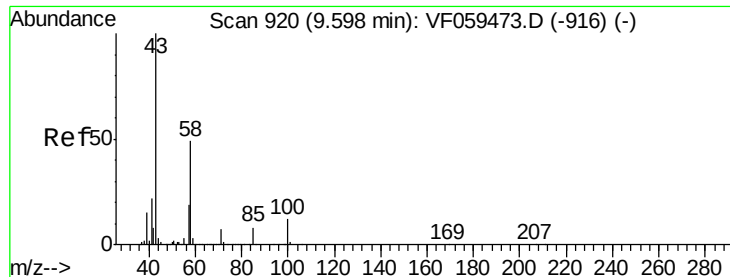
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

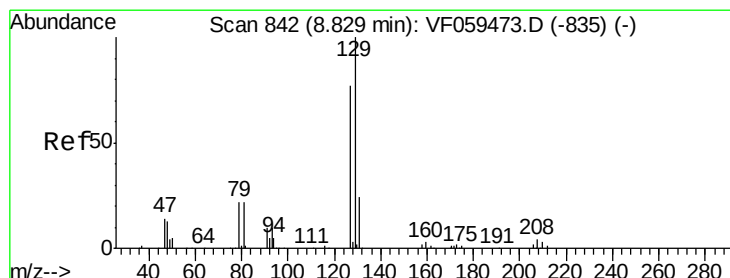
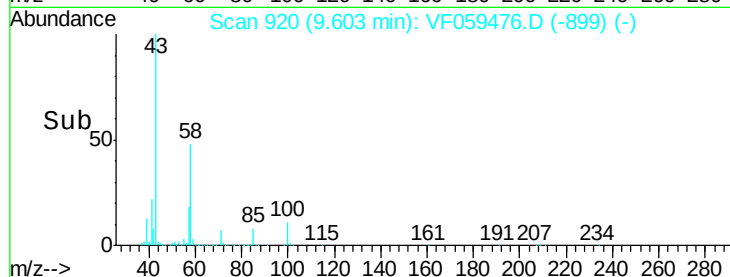
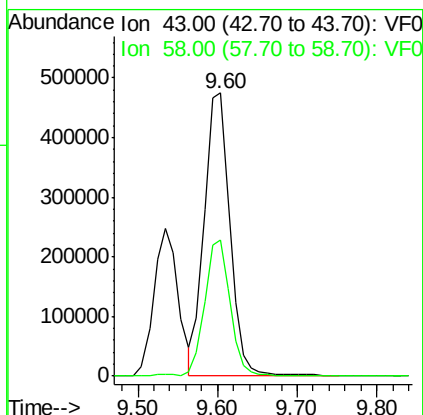
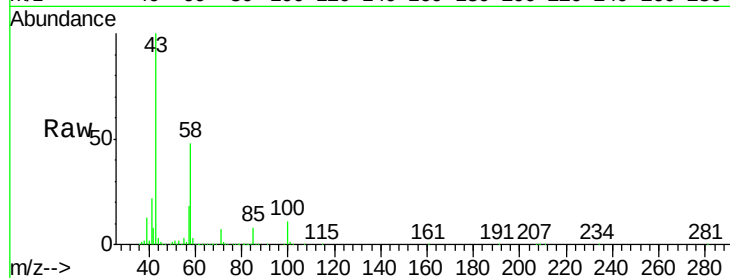




#59
2-Hexanone
Concen: 612.151 ug/l
RT: 9.60 min Scan# 920
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

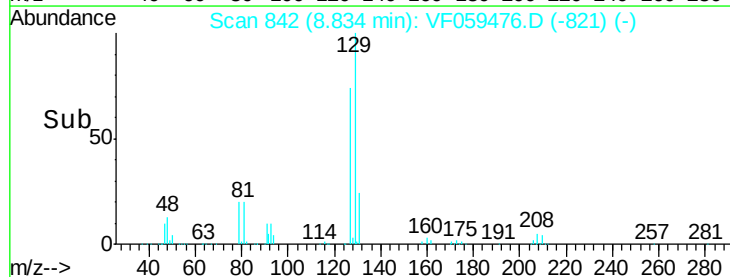
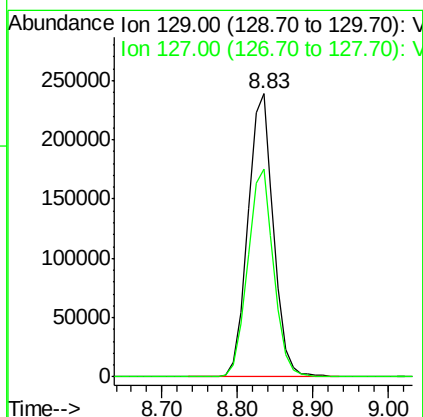
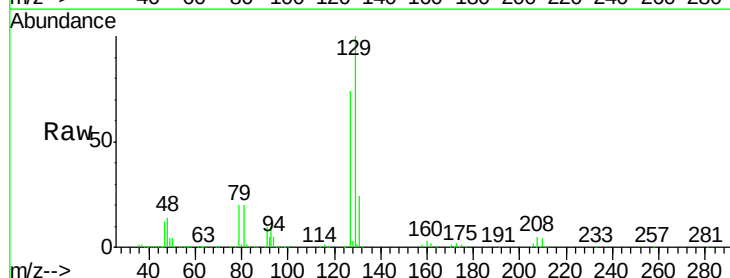
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

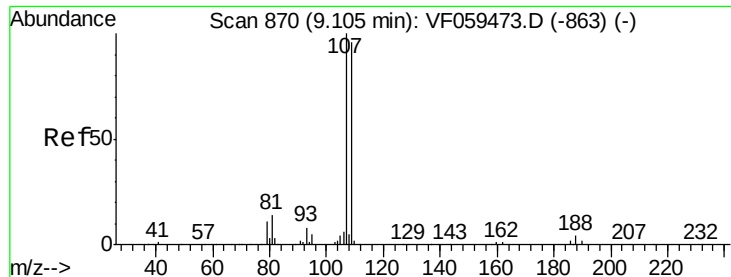
Tgt Ion: 43 Resp: 1063305
Ion Ratio Lower Upper
43 100
58 48.1 22.4 67.2



#60
Dibromochloromethane
Concen: 161.633 ug/l
RT: 8.83 min Scan# 842
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion: 129 Resp: 560978
Ion Ratio Lower Upper
129 100
127 73.6 38.8 116.3





#61

1,2-Dibromoethane

Concen: 153.454 ug/l

RT: 9.10 min Scan# 869

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

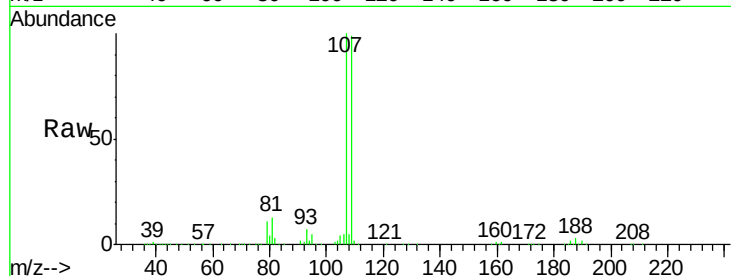
VSTDIC150

Tgt Ion: 107 Resp: 415462

Ion Ratio Lower Upper

107 100

109 98.6 76.7 115.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.10

200000

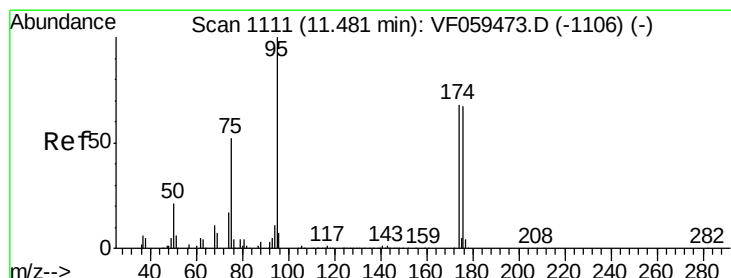
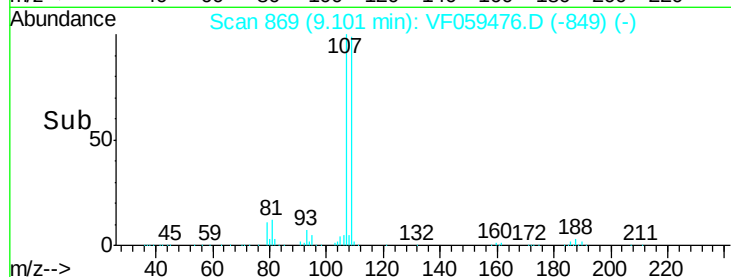
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 153.569 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

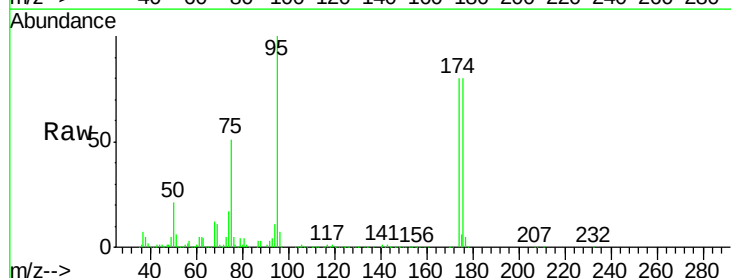
Tgt Ion: 95 Resp: 641396

Ion Ratio Lower Upper

95 100

174 80.5 0.0 137.0

176 79.7 0.0 133.8



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

11.49

500000

400000

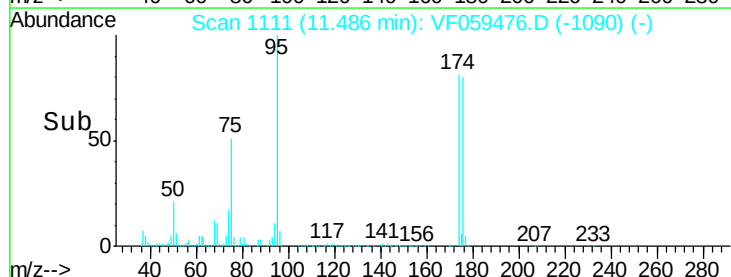
300000

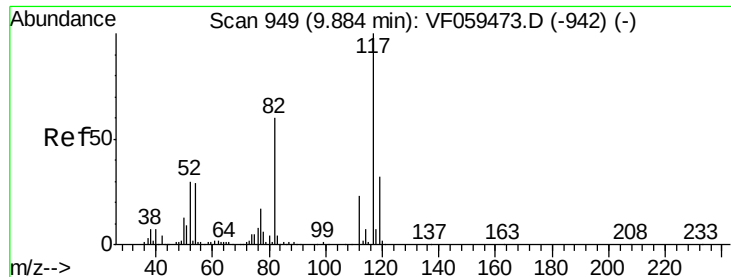
200000

100000

0

Time-->

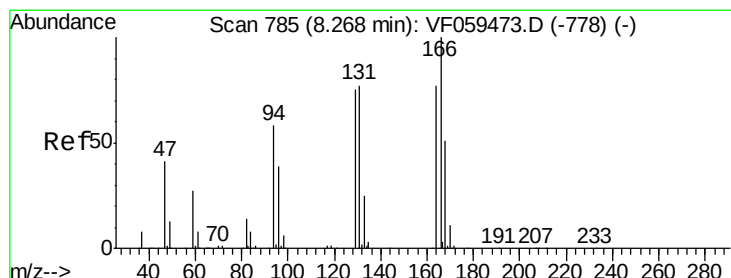
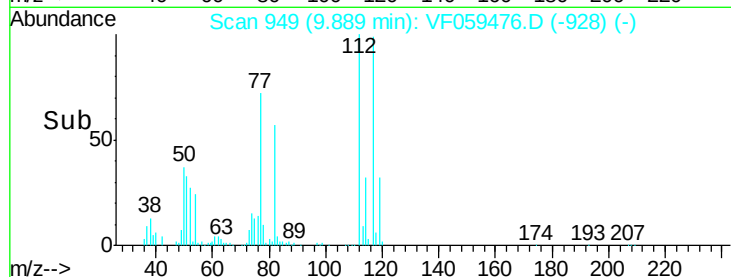
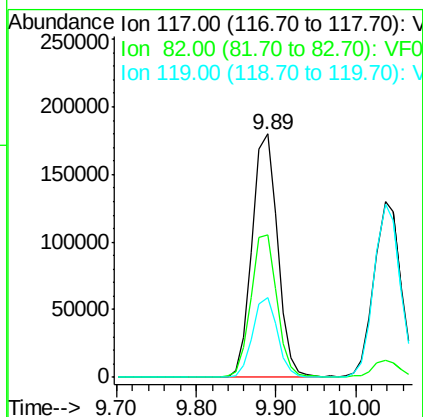
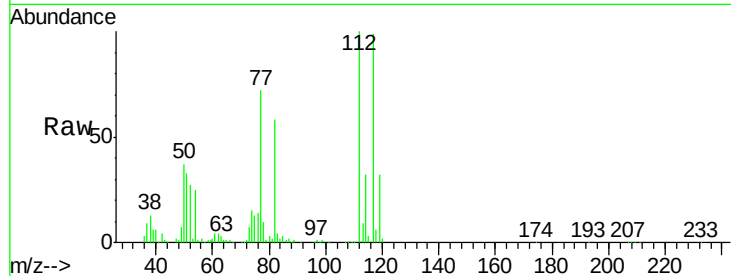




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 949
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

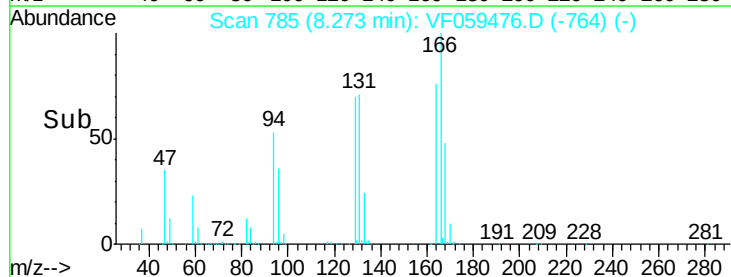
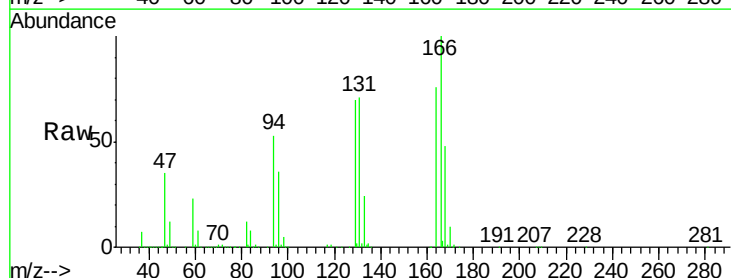
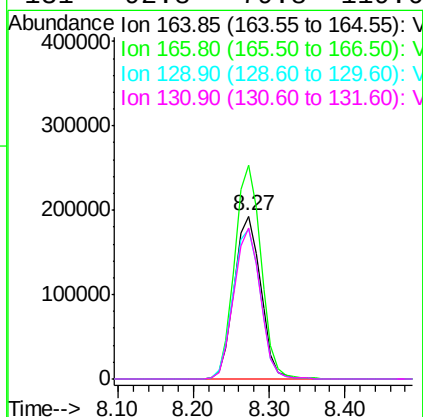
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

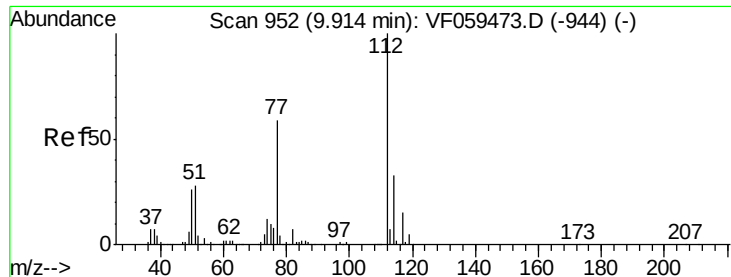
Tgt Ion:117 Resp: 395612
Ion Ratio Lower Upper
117 100
82 58.3 48.2 72.4
119 32.6 25.7 38.5



#64
Tetrachloroethene
Concen: 172.743 ug/l
RT: 8.27 min Scan# 785
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion:164 Resp: 468910
Ion Ratio Lower Upper
164 100
166 130.9 103.5 155.3
129 92.1 77.6 116.4
131 92.8 79.8 119.6





#65

Chlorobenzene

Concen: 144.089 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

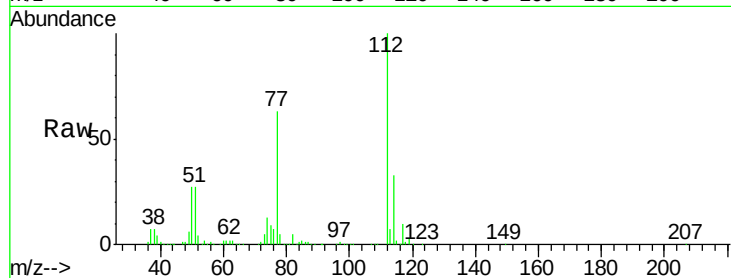
VSTDIC150

Tgt Ion:112 Resp: 1079521

Ion Ratio Lower Upper

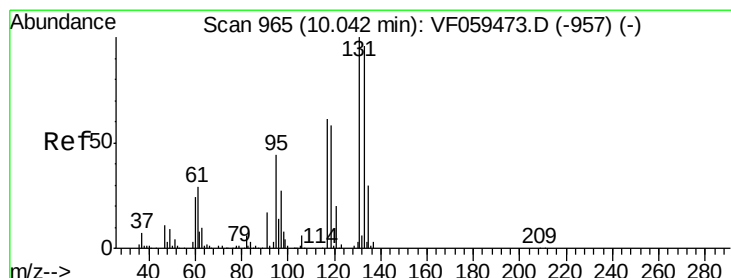
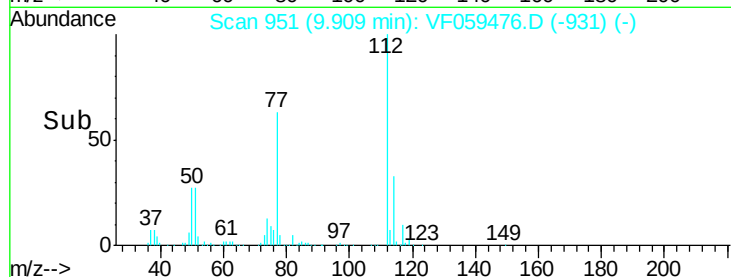
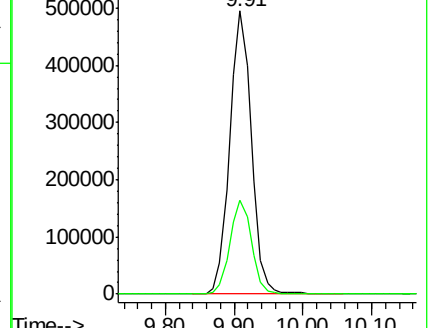
112 100

114 33.3 26.2 39.2



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: 145.661 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

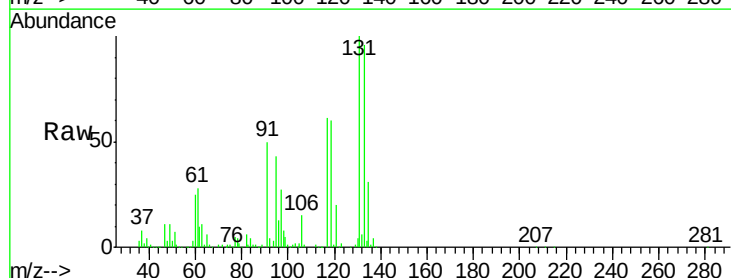
Tgt Ion:131 Resp: 475486

Ion Ratio Lower Upper

131 100

133 95.9 48.1 144.3

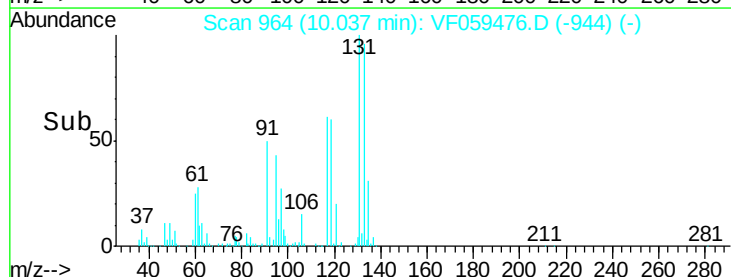
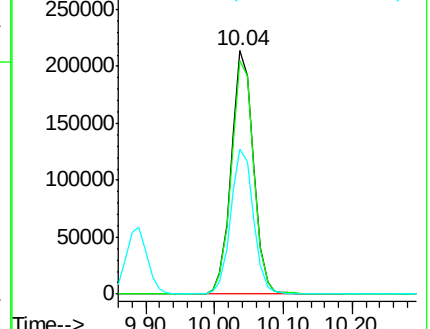
119 59.8 29.3 87.8

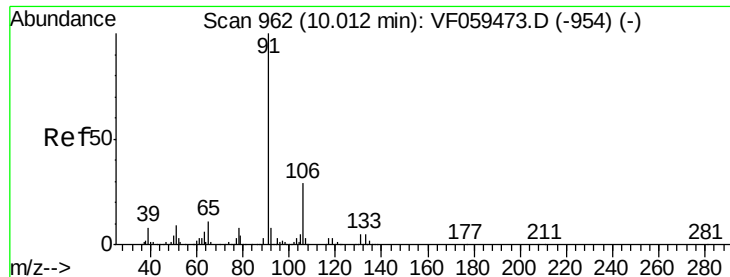


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 142.659 ug/l

RT: 10.01 min Scan# 961

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

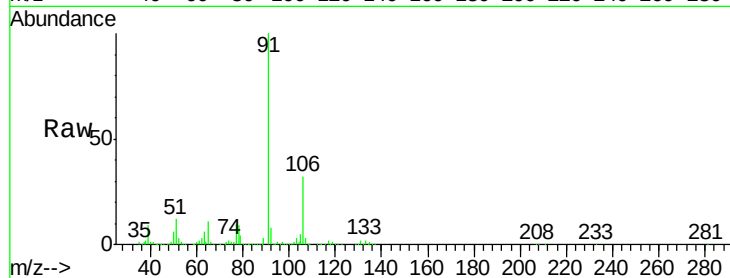
VSTDIC150

Tgt Ion: 91 Resp: 1820713

Ion Ratio Lower Upper

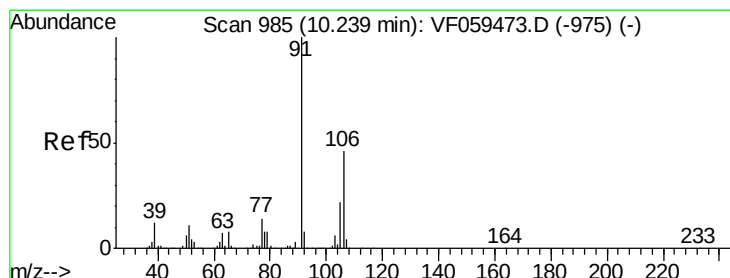
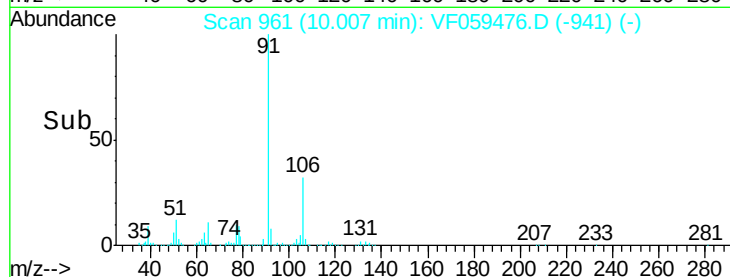
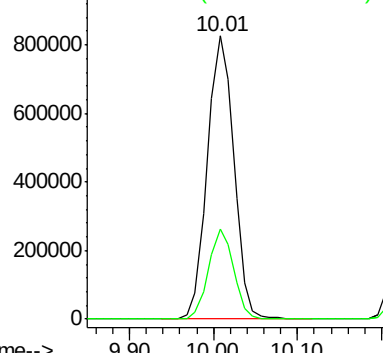
91 100

106 31.7 23.0 34.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 277.712 ug/l

RT: 10.24 min Scan# 985

Delta R.T. 0.01 min

Lab File: VF059476.D

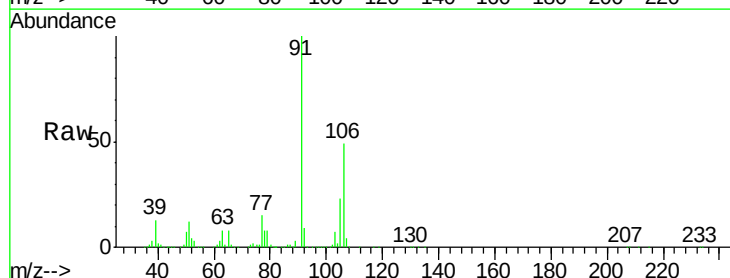
Acq: 7 Jul 2018 4:50

Tgt Ion: 106 Resp: 1252138

Ion Ratio Lower Upper

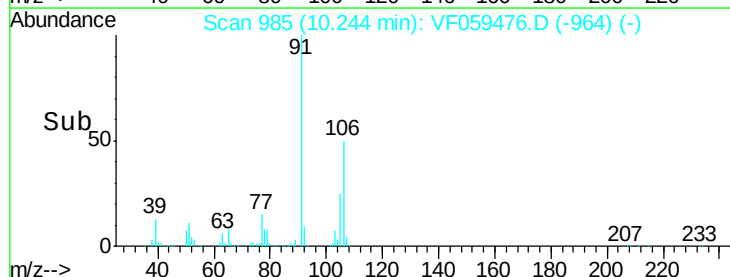
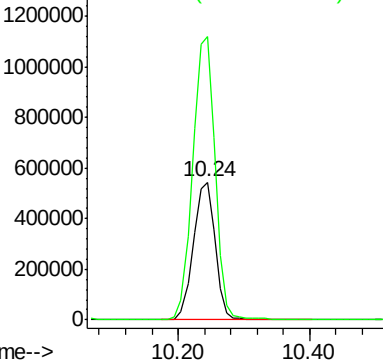
106 100

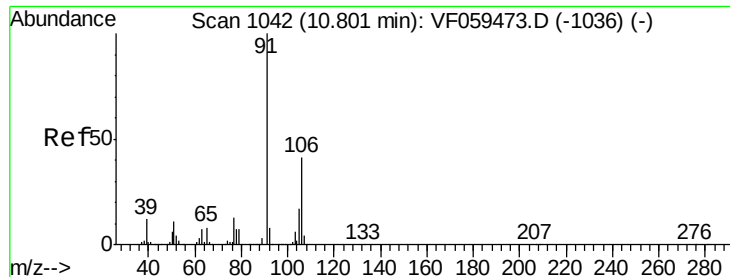
91 205.8 173.5 260.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

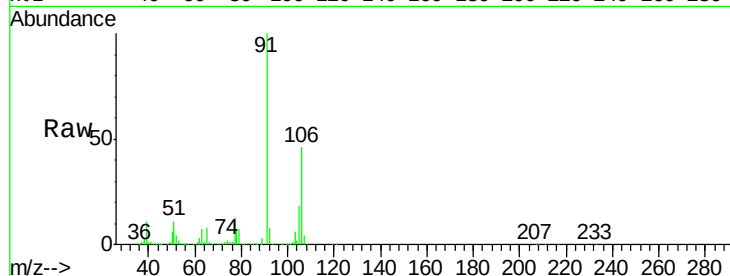




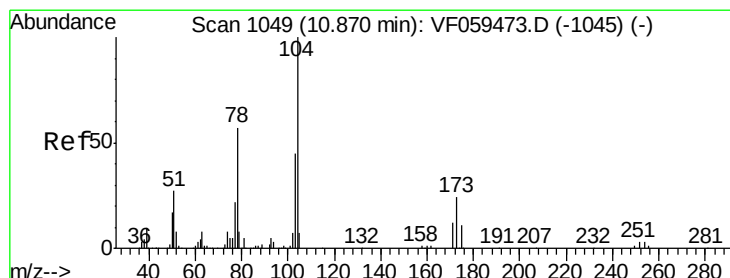
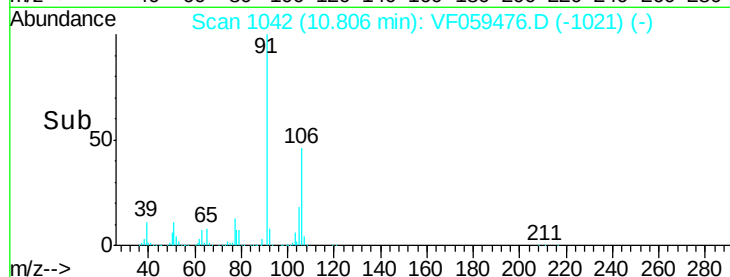
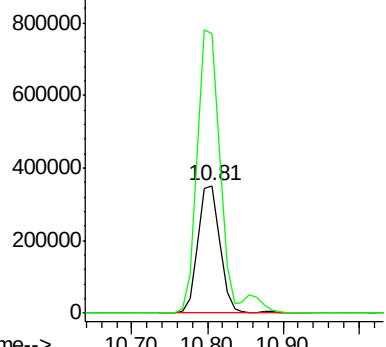
#69
o-Xylene
Concen: 140.879 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 708775
Ion Ratio Lower Upper
106 100
91 218.7 121.8 365.3

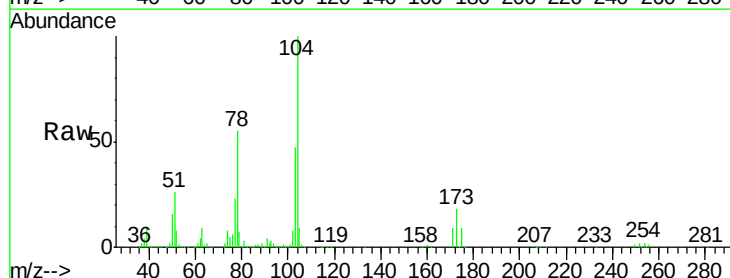


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

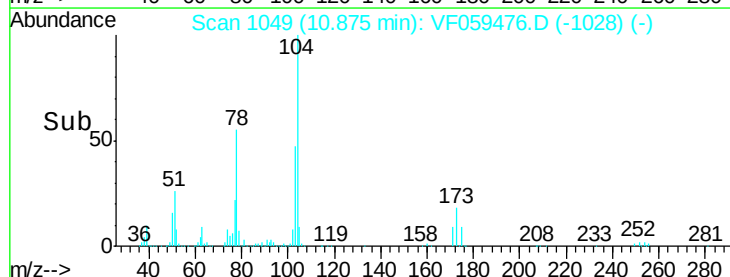
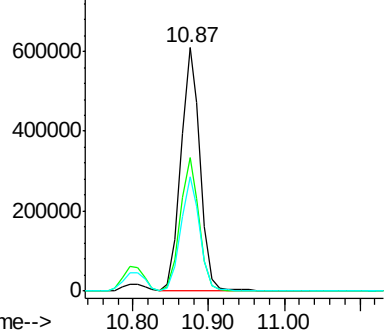


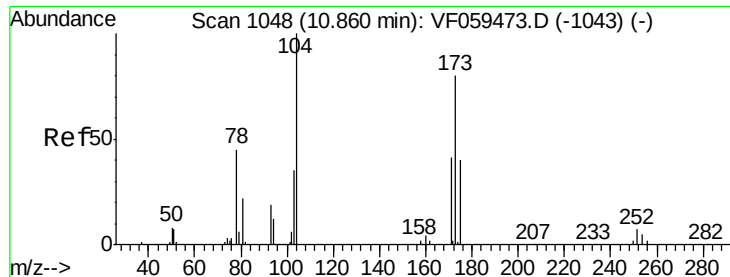
#70
Styrene
Concen: 141.540 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. 0.01 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion:104 Resp: 1086424
Ion Ratio Lower Upper
104 100
78 55.0 46.2 69.2
103 47.2 36.8 55.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 158.260 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

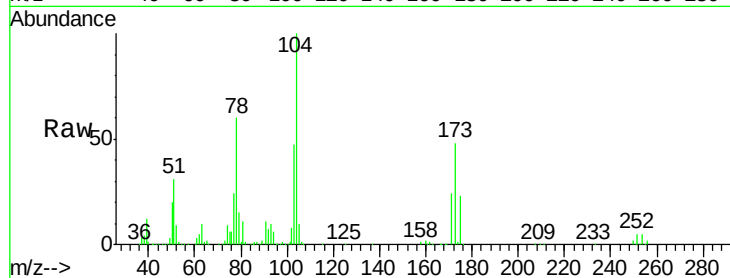
Tgt Ion:173 Resp: 352456

Ion Ratio Lower Upper

173 100

175 47.9 24.9 74.8

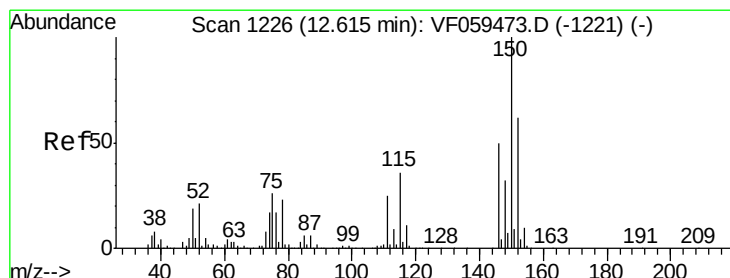
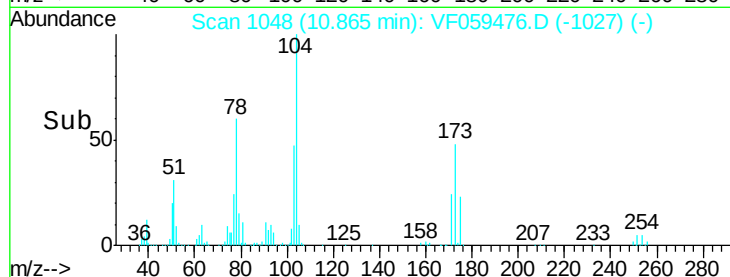
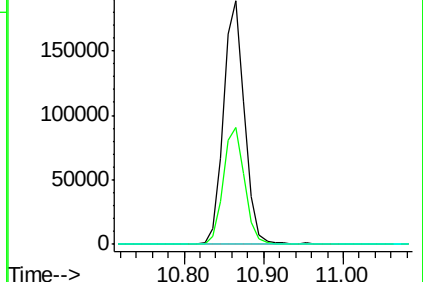
254 0.2 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

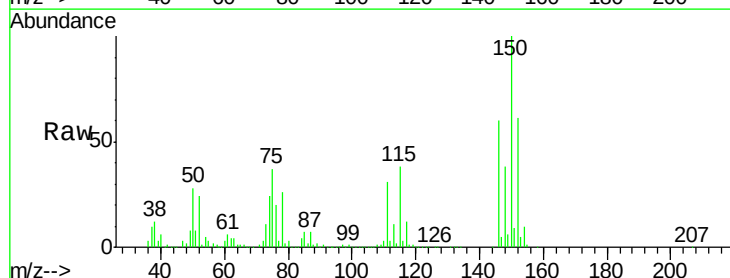
Tgt Ion:152 Resp: 221329

Ion Ratio Lower Upper

152 100

115 62.9 28.7 86.3

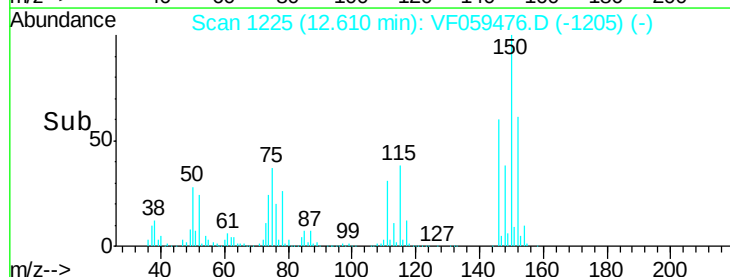
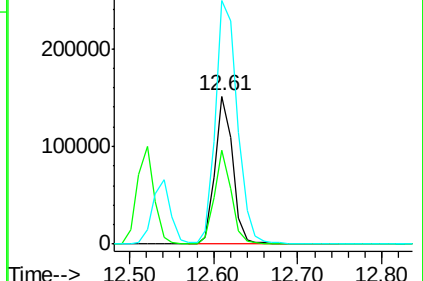
150 164.3 0.0 323.8

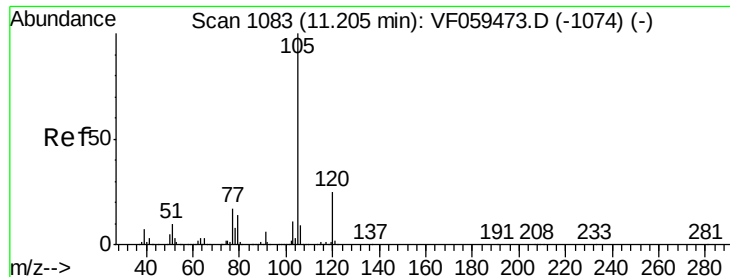


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 152.247 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

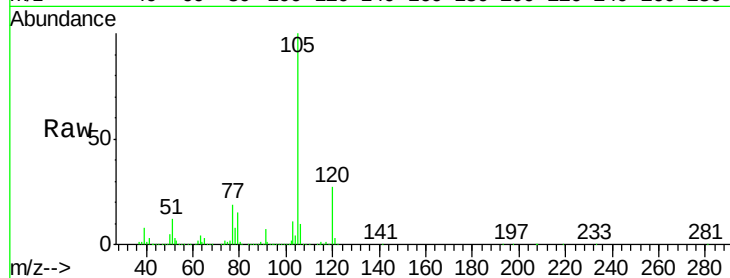
VSTDIC150

Tgt Ion:105 Resp: 2005784

Ion Ratio Lower Upper

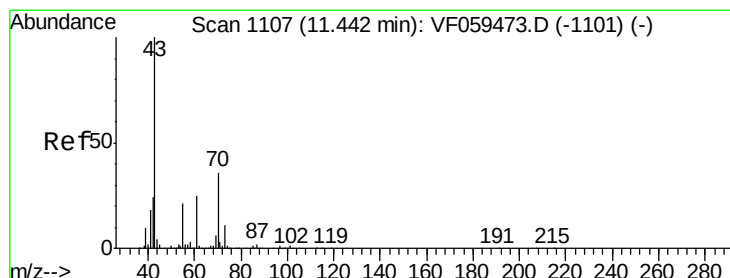
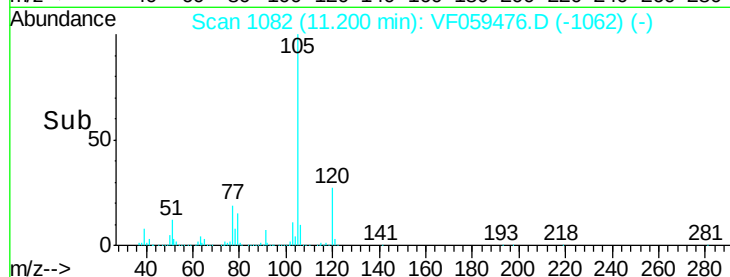
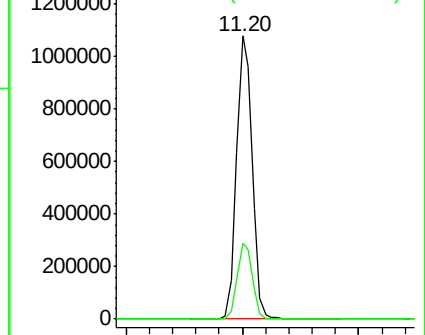
105 100

120 26.7 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 143.705 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Tgt Ion: 43 Resp: 668726

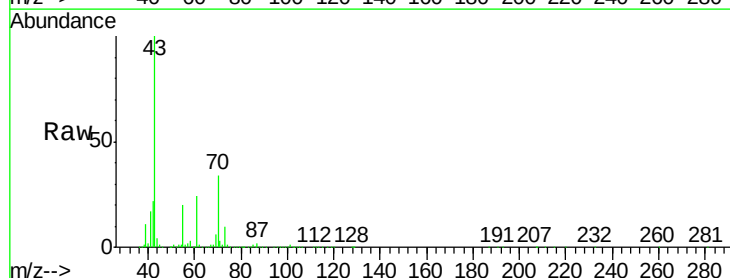
Ion Ratio Lower Upper

43 100

70 34.2 28.7 43.1

55 20.3 16.6 24.8

61 23.8 20.1 30.1

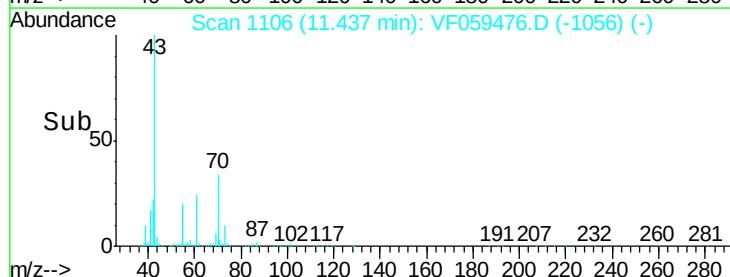
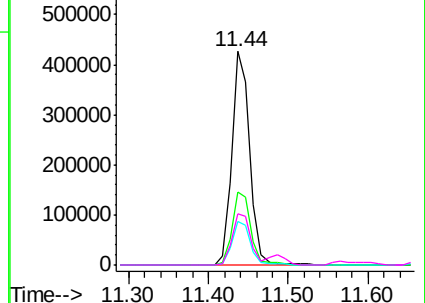


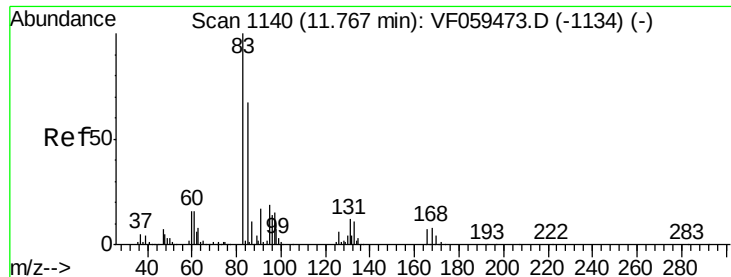
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 138.160 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

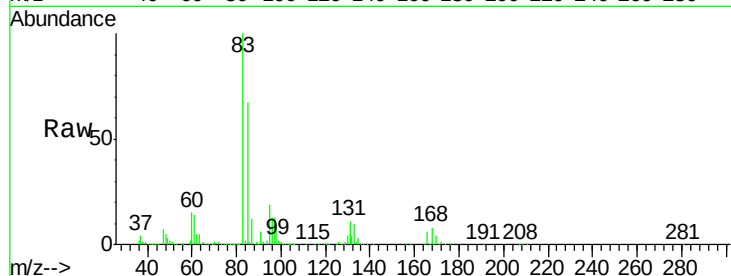
Tgt Ion: 83 Resp: 448374

Ion Ratio Lower Upper

83 100

131 11.1 6.0 18.0

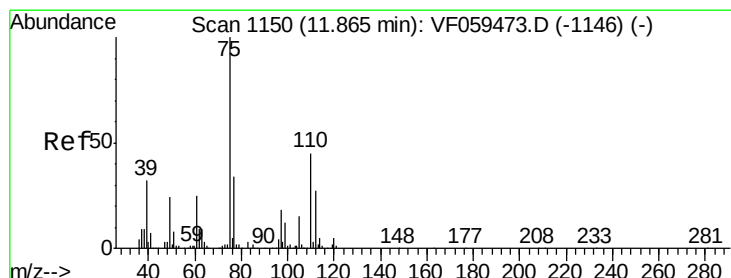
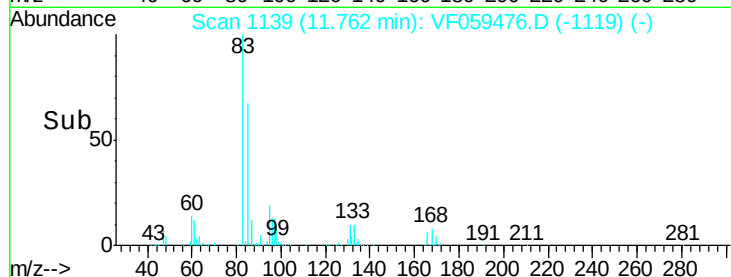
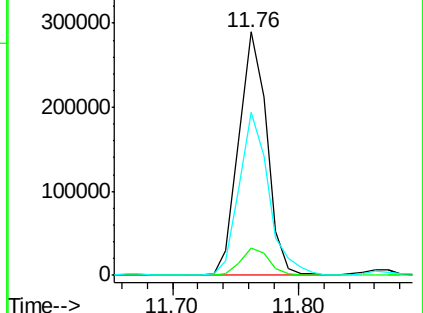
85 66.8 33.7 101.1



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: 148.401 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF059476.D

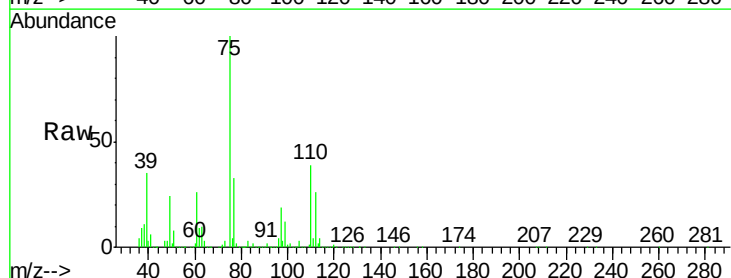
Acq: 7 Jul 2018 4:50

Tgt Ion: 75 Resp: 369443

Ion Ratio Lower Upper

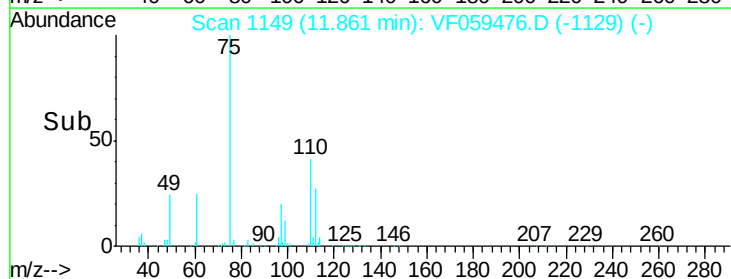
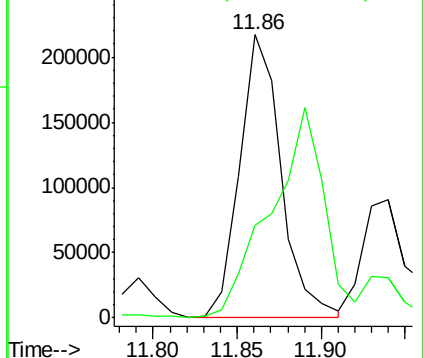
75 100

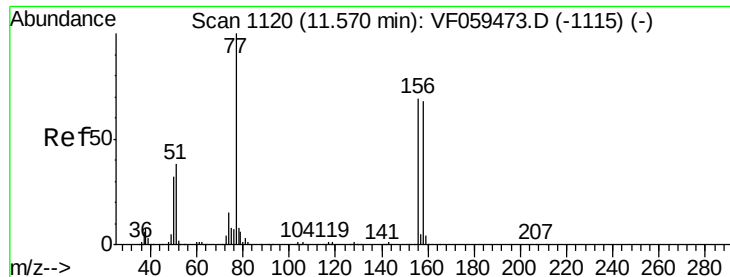
77 32.8 16.9 50.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 156.568 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

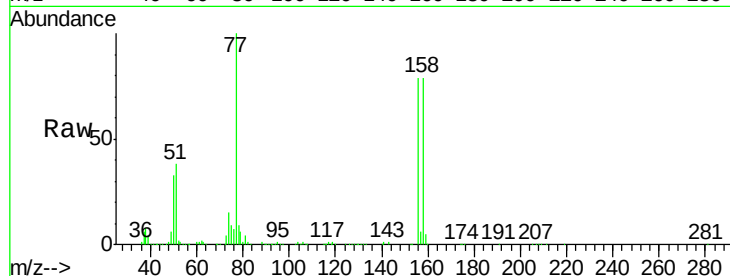
Tgt Ion:156 Resp: 567611

Ion Ratio Lower Upper

156 100

77 127.3 72.4 217.2

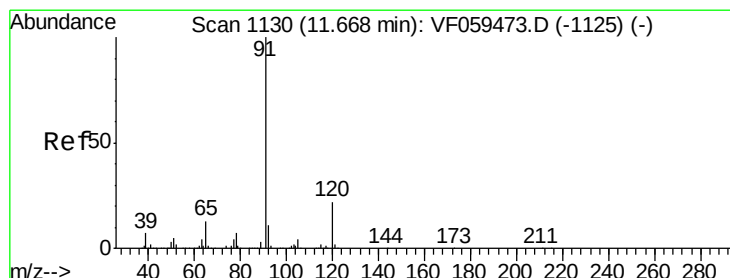
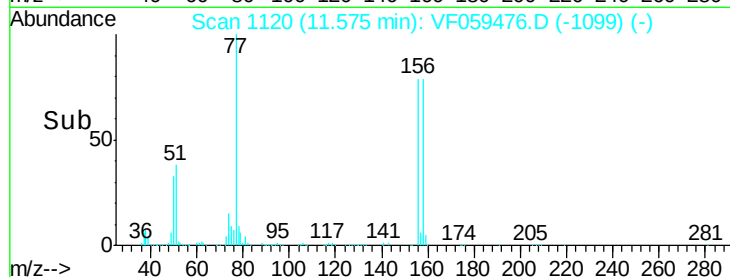
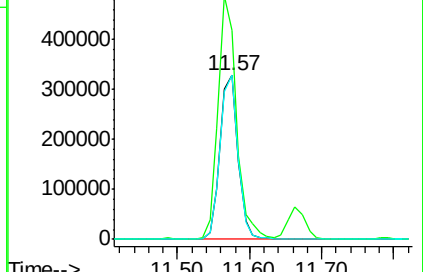
158 100.2 49.5 148.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 140.707 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF059476.D

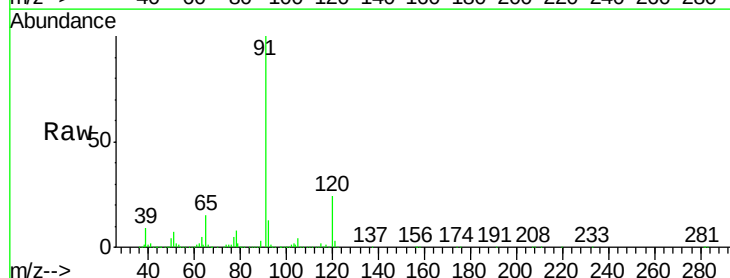
Acq: 7 Jul 2018 4:50

Tgt Ion: 91 Resp: 2224986

Ion Ratio Lower Upper

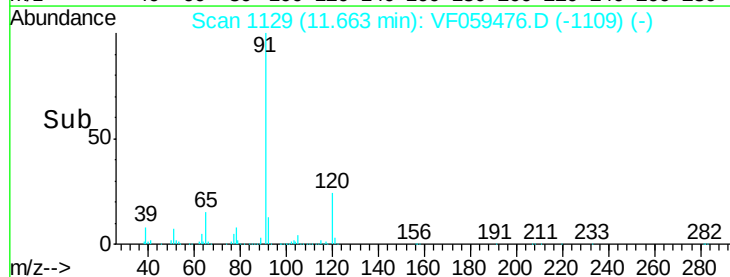
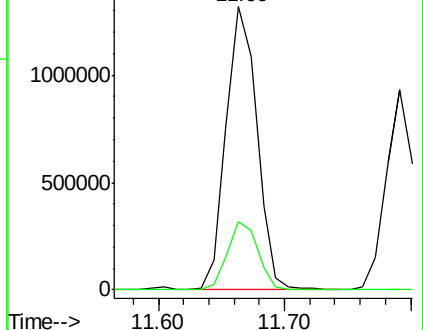
91 100

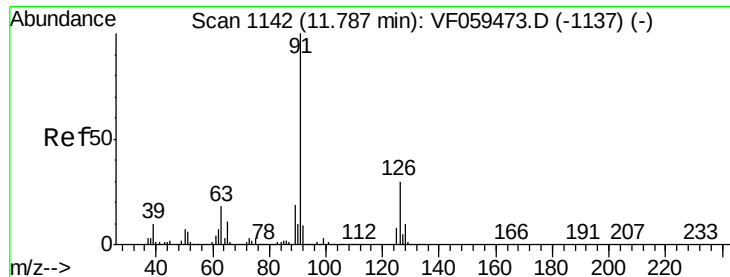
120 24.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 147.324 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

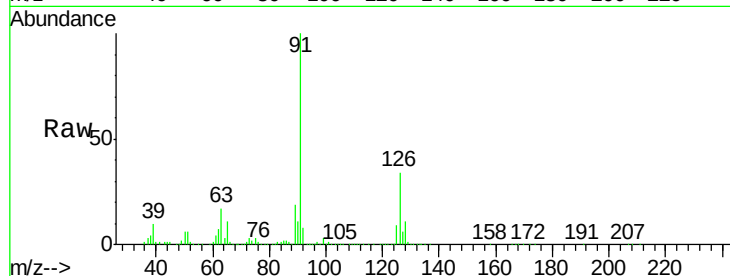
VSTDIC150

Tgt Ion: 91 Resp: 1428744

Ion Ratio Lower Upper

91 100

126 34.4 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.79

1000000

800000

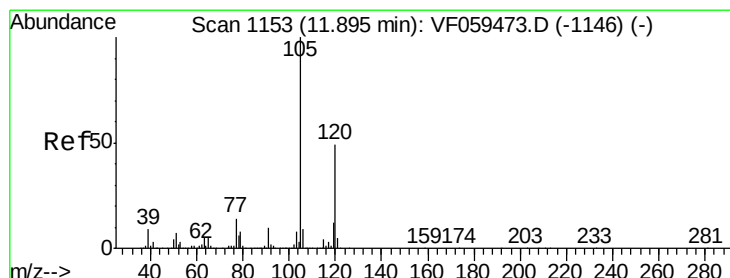
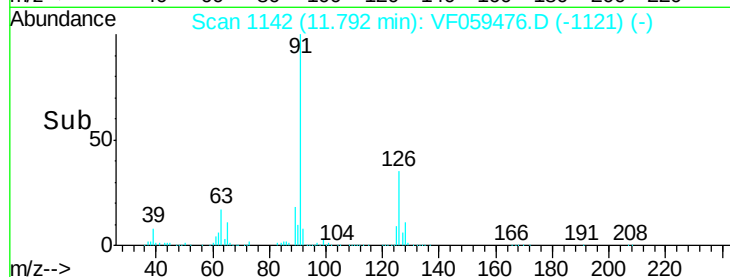
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 142.526 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059476.D

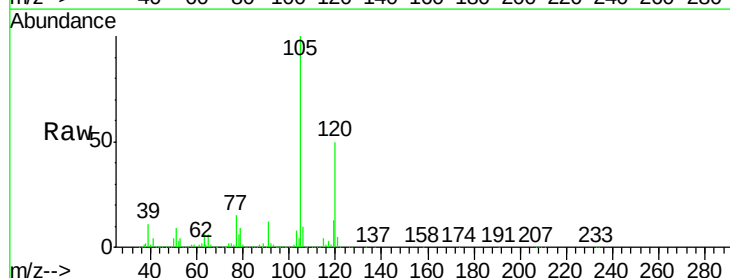
Acq: 7 Jul 2018 4:50

Tgt Ion: 105 Resp: 1655720

Ion Ratio Lower Upper

105 100

120 49.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.89

1200000

1000000

800000

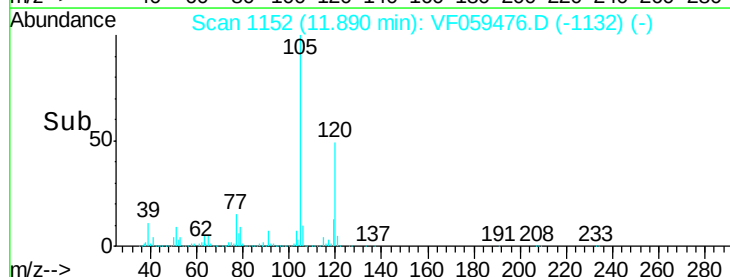
600000

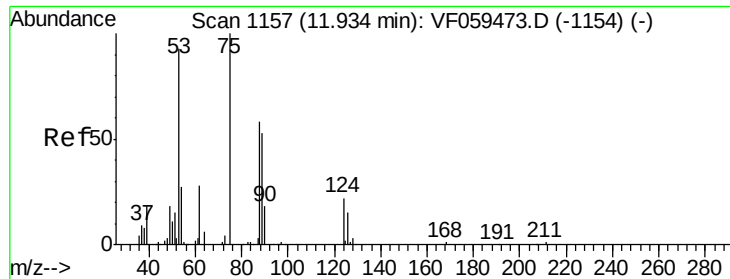
400000

200000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 137.802 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

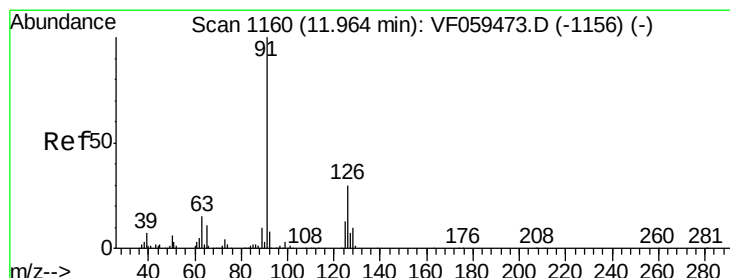
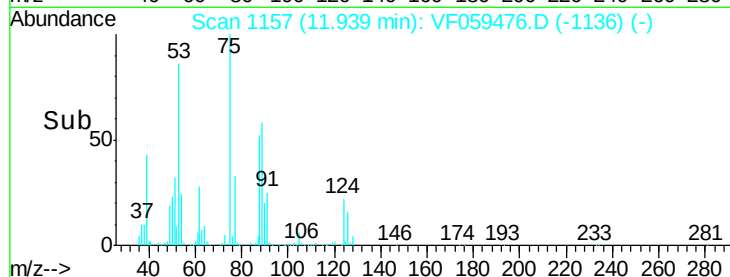
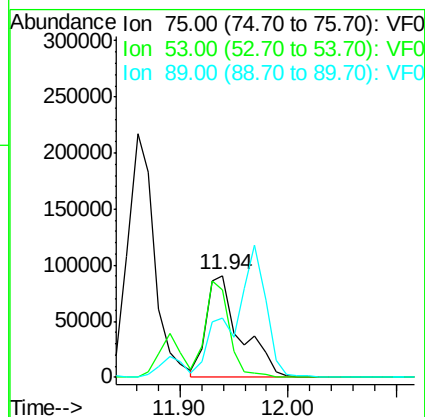
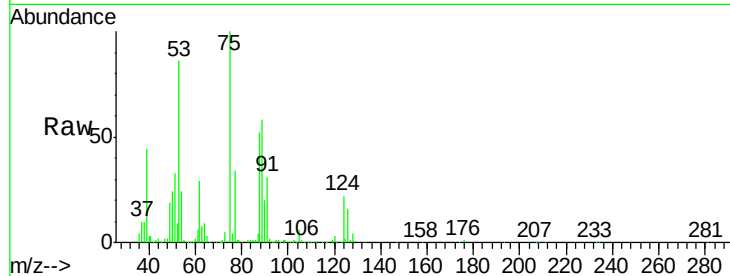
Tgt Ion: 75 Resp: 198929

Ion Ratio Lower Upper

75 100

53 86.1 79.0 118.6

89 58.1 45.9 68.9



#82

4-Chlorotoluene

Concen: 147.099 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF059476.D

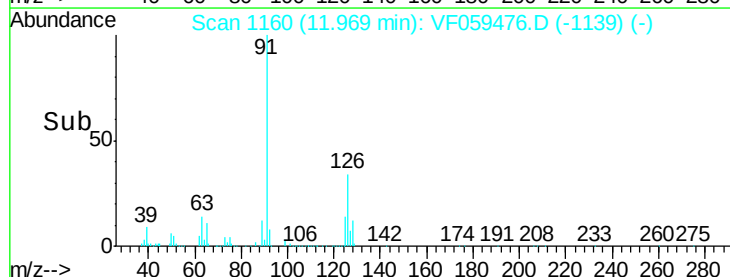
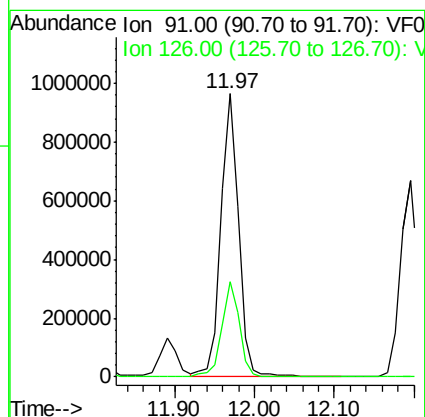
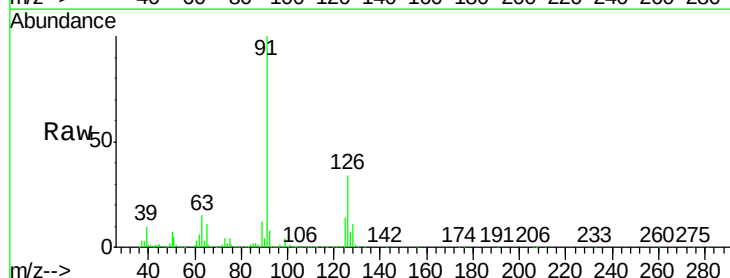
Acq: 7 Jul 2018 4:50

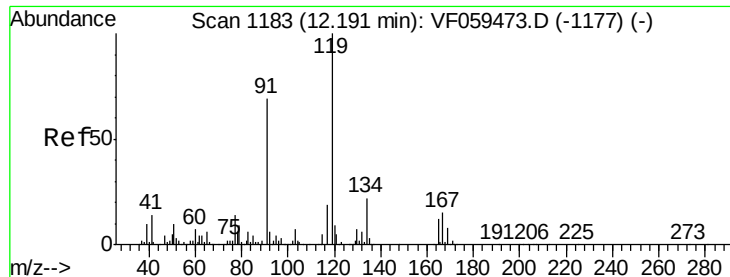
Tgt Ion: 91 Resp: 1512372

Ion Ratio Lower Upper

91 100

126 33.7 14.9 44.5

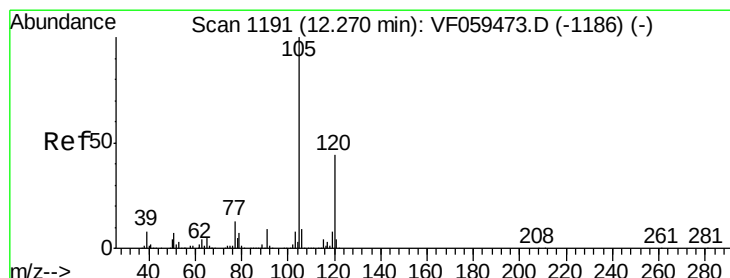
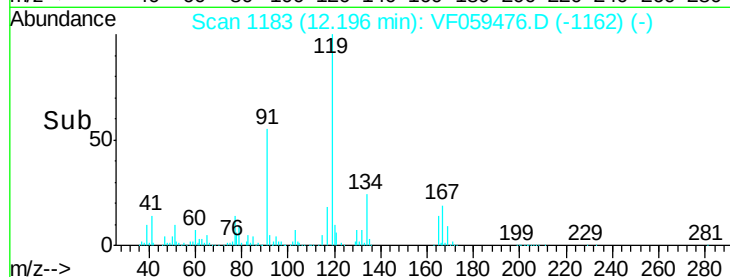
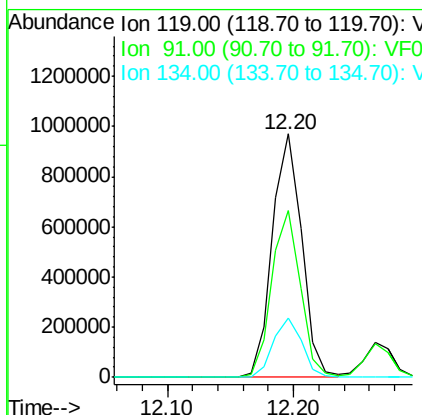
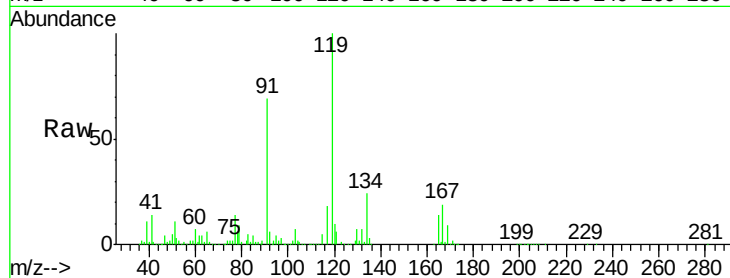




#83
 tert-Butylbenzene
 Concen: 137.641 ug/l
 RT: 12.20 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VF059476.D
 Acq: 7 Jul 2018 4:50

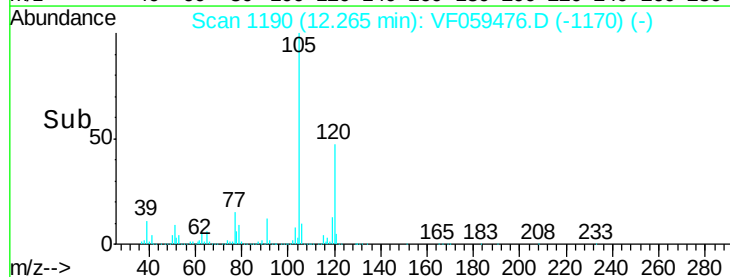
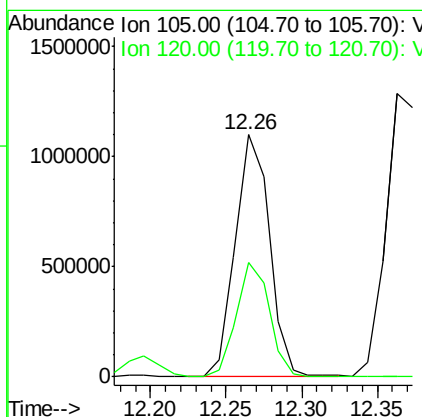
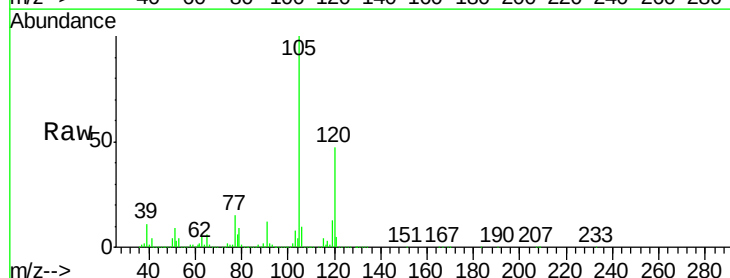
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

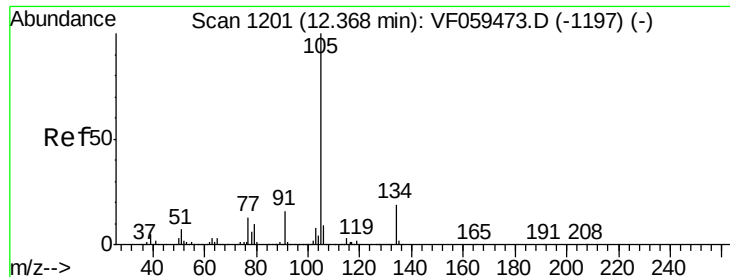
Tgt Ion:119 Resp: 1581302
 Ion Ratio Lower Upper
 119 100
 91 68.8 34.4 103.3
 134 24.5 10.8 32.4



#84
 1,2,4-Trimethylbenzene
 Concen: 142.873 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VF059476.D
 Acq: 7 Jul 2018 4:50

Tgt Ion:105 Resp: 1732879
 Ion Ratio Lower Upper
 105 100
 120 47.3 22.1 66.1





#85

sec-Butylbenzene

Concen: 140.394 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

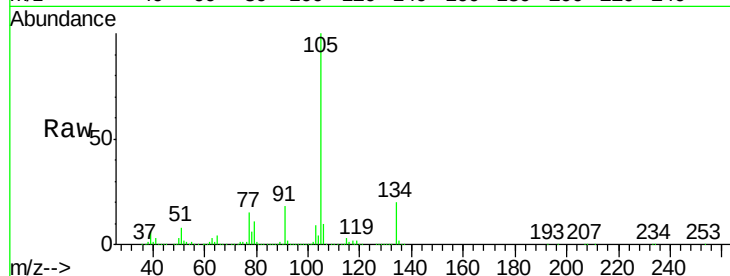
VSTDIC150

Tgt Ion:105 Resp: 2151637

Ion Ratio Lower Upper

105 100

134 20.1 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1500000

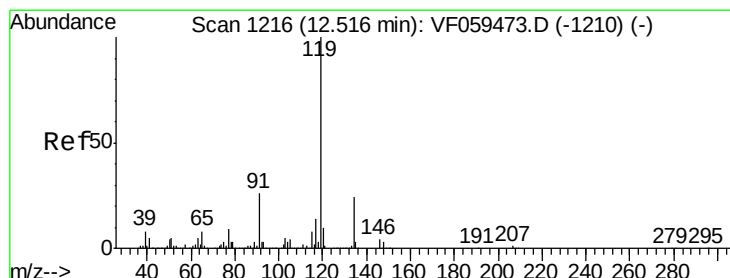
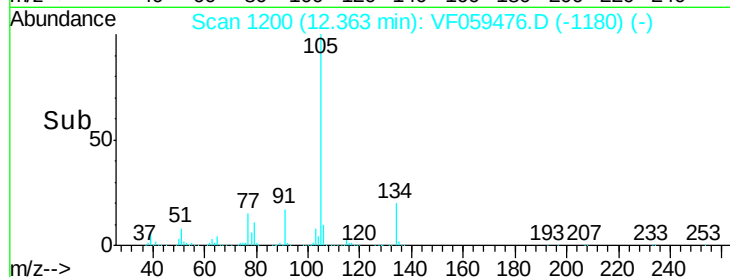
1000000

500000

0

12.30 12.40 12.50

Time-->



#86

p-Isopropyltoluene

Concen: 139.129 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

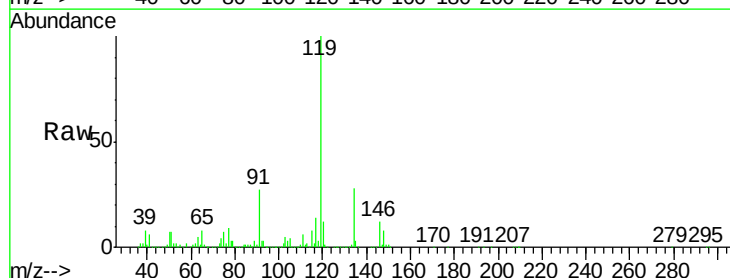
Tgt Ion:119 Resp: 1794153

Ion Ratio Lower Upper

119 100

134 27.9 12.2 36.4

91 27.5 13.1 39.3



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

1500000

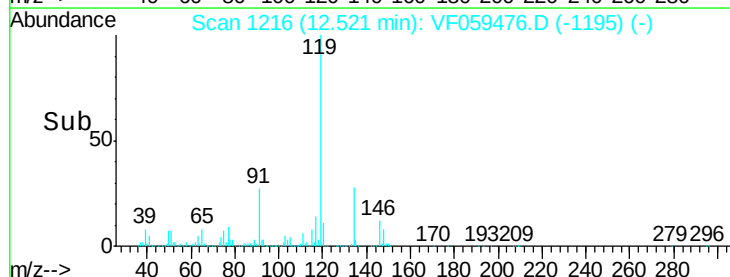
1000000

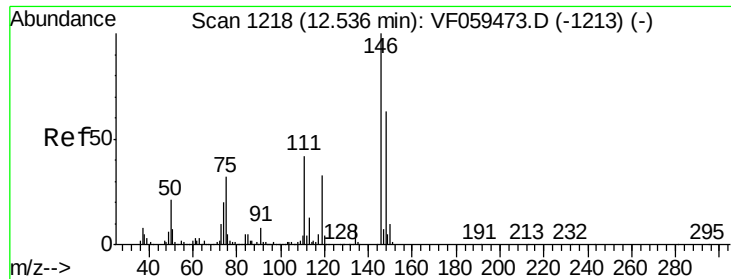
500000

0

12.40 12.50 12.60

Time-->

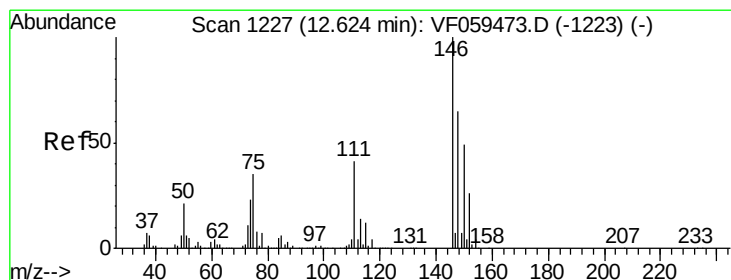
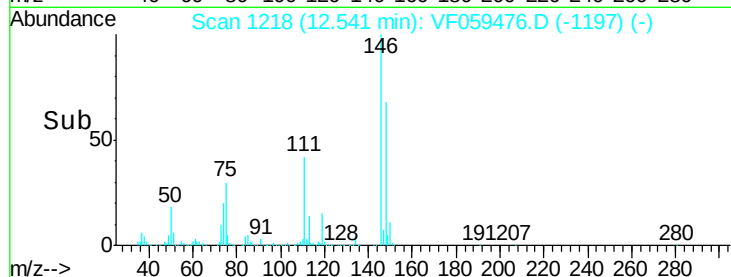
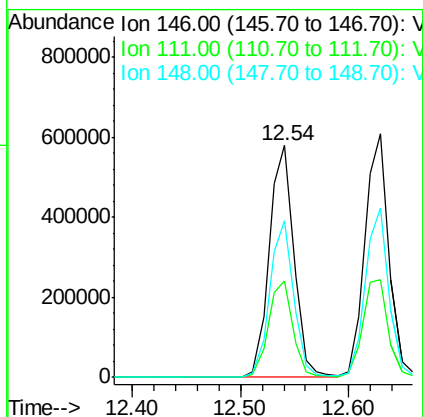
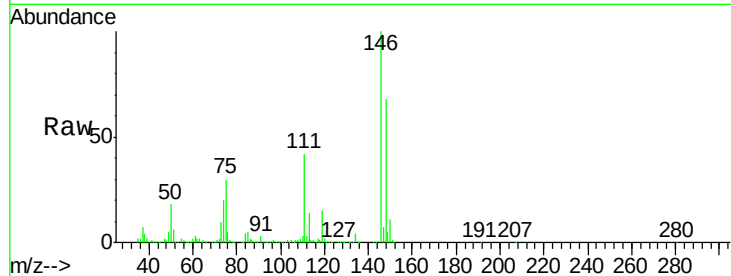




#87
 1,3-Dichlorobenzene
 Concen: 135.340 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF059476.D
 Acq: 7 Jul 2018 4:50

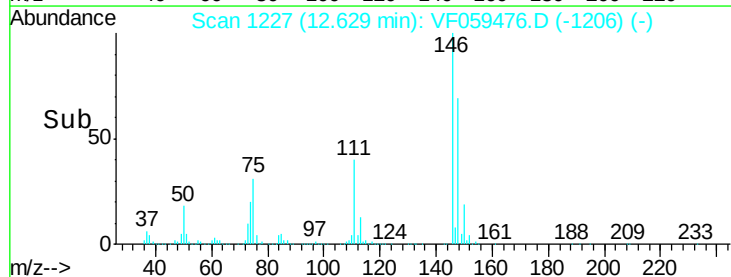
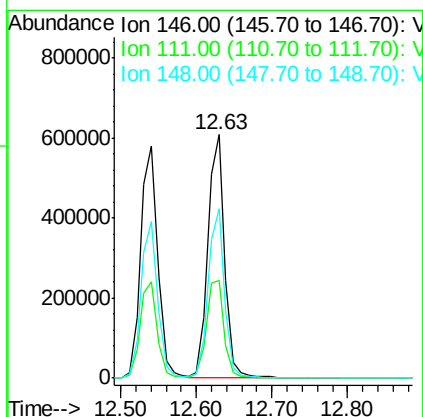
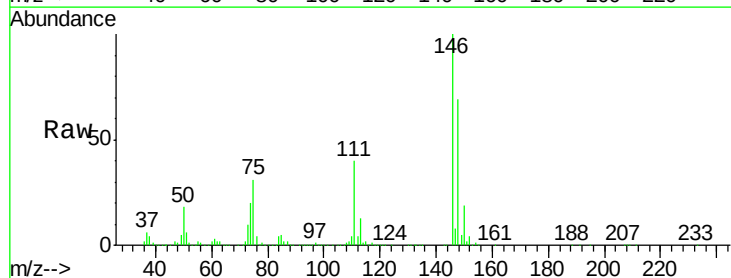
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

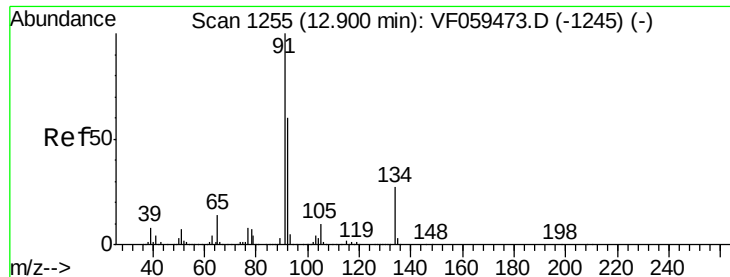
Tgt Ion:146 Resp: 912731
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.0 63.0
 148 67.6 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 144.591 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF059476.D
 Acq: 7 Jul 2018 4:50

Tgt Ion:146 Resp: 947243
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.8 62.2
 148 69.4 32.6 97.8

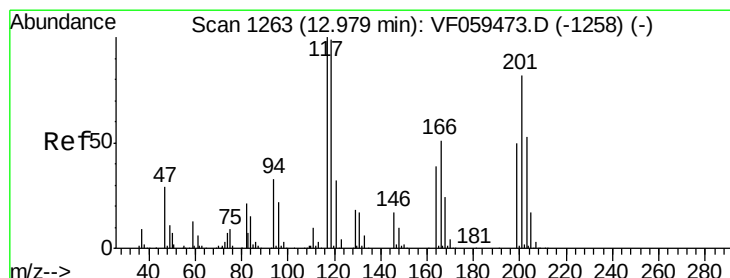
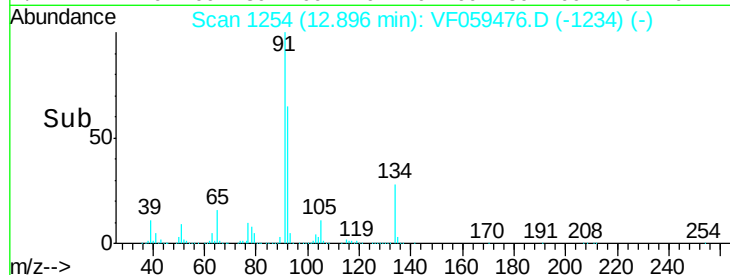
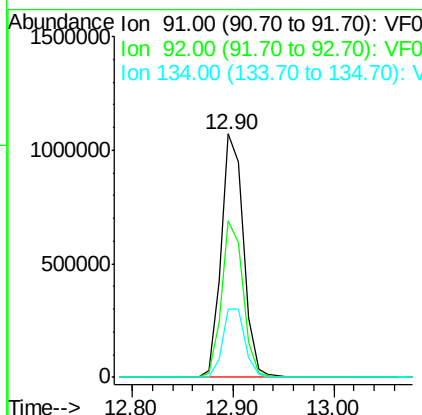
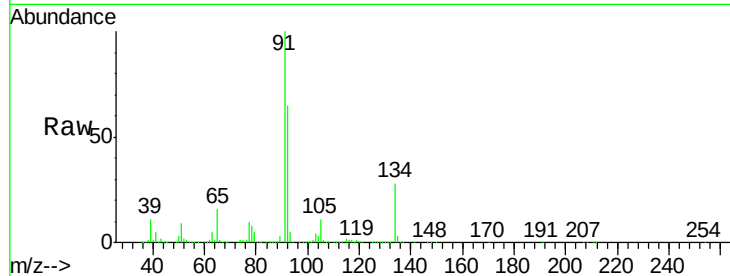




#89
n-Butylbenzene
Concen: 126.304 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

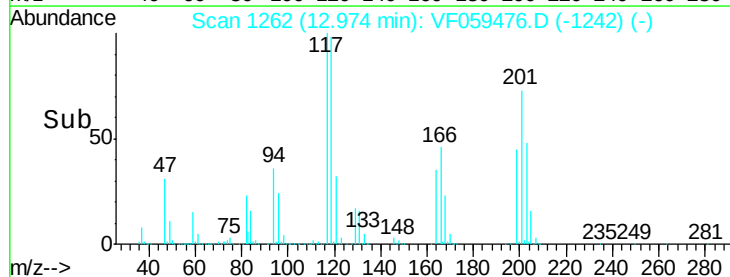
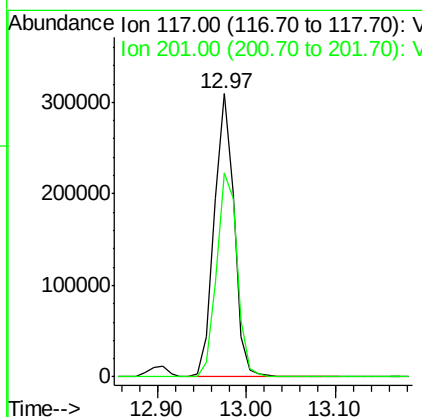
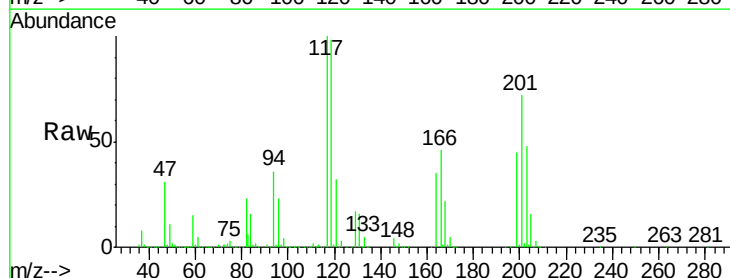
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

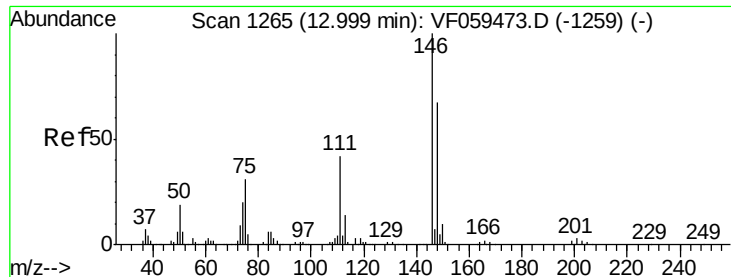
Tgt Ion: 91 Resp: 1653719
Ion Ratio Lower Upper
91 100
92 64.5 30.0 90.1
134 28.0 13.3 39.9



#90
Hexachloroethane
Concen: 148.235 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VF059476.D
Acq: 7 Jul 2018 4:50

Tgt Ion: 117 Resp: 477822
Ion Ratio Lower Upper
117 100
201 72.2 40.6 121.8

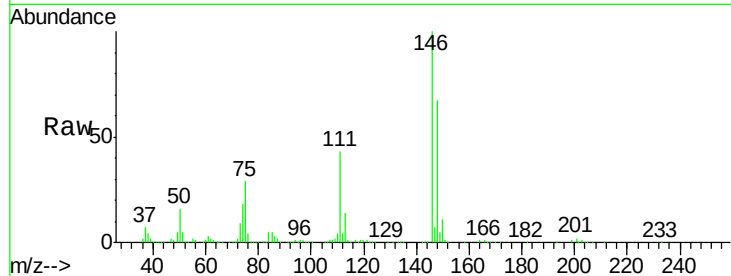




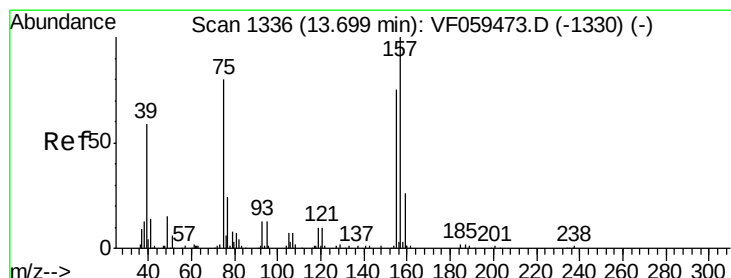
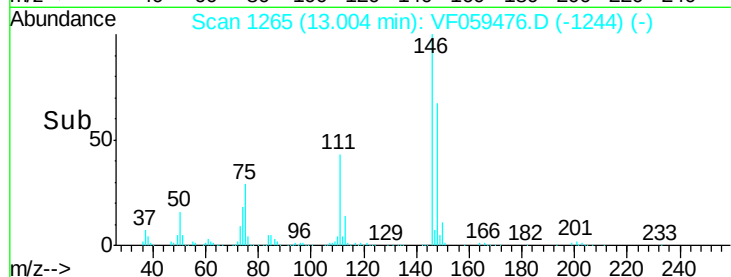
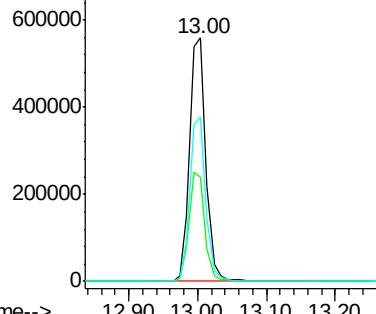
#91
 1,2-Dichlorobenzene
 Concen: 138.187 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF059476.D
 Acq: 7 Jul 2018 4:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 912320
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.2 63.6
 148 67.3 33.3 99.9

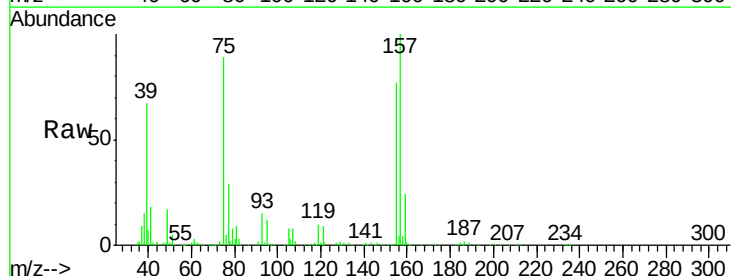


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

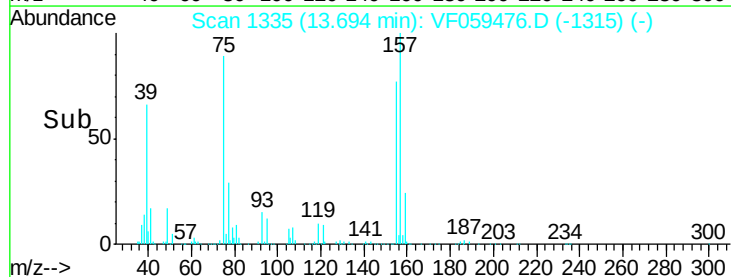
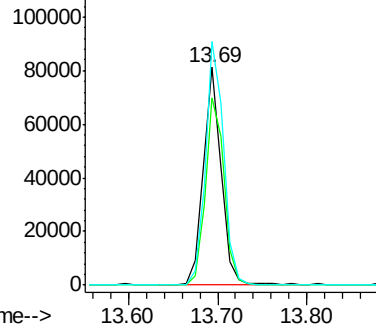


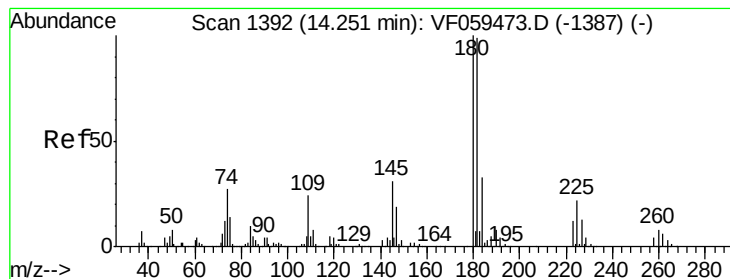
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 157.289 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VF059476.D
 Acq: 7 Jul 2018 4:50

Tgt Ion: 75 Resp: 115729
 Ion Ratio Lower Upper
 75 100
 155 86.3 47.3 141.8
 157 112.0 62.6 187.8



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 139.824 ug/l

RT: 14.25 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

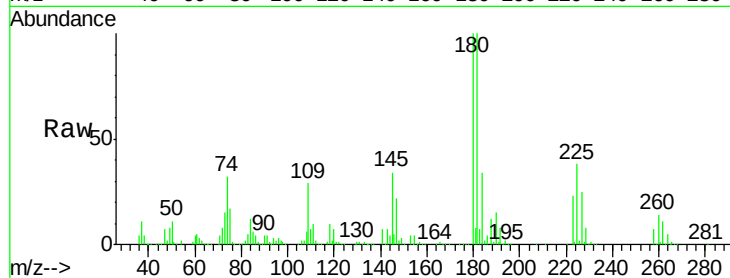
Tgt Ion:180 Resp: 685624

Ion Ratio Lower Upper

180 100

182 100.3 49.5 148.7

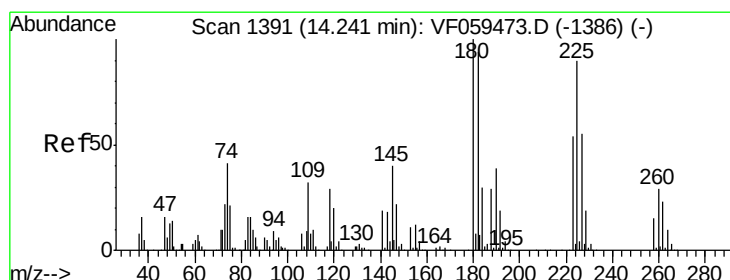
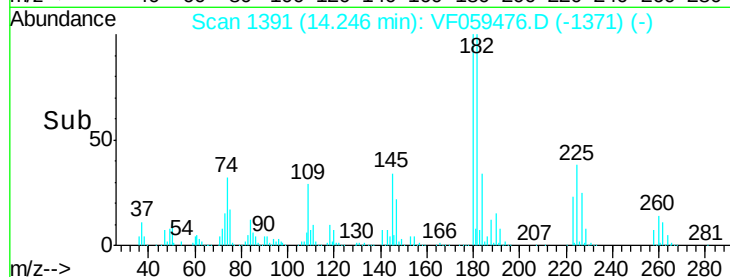
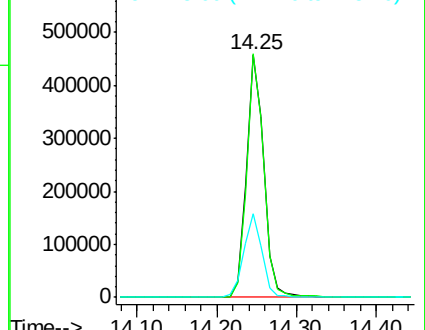
145 34.4 15.4 46.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 148.075 ug/l

RT: 14.24 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

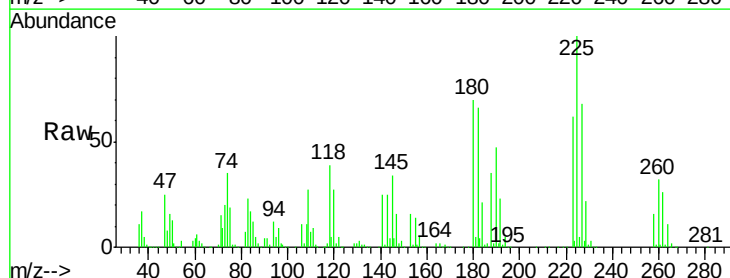
Tgt Ion:225 Resp: 416388

Ion Ratio Lower Upper

225 100

223 61.8 30.1 90.5

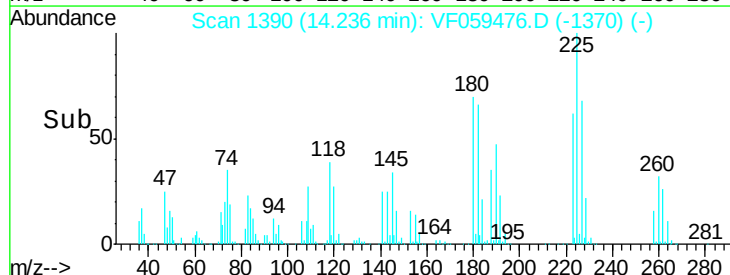
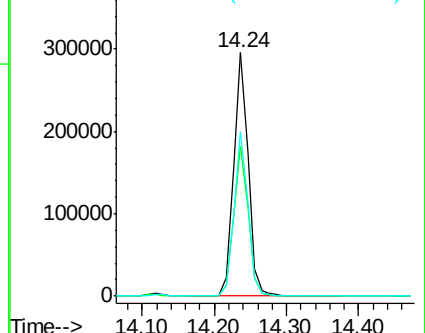
227 67.7 30.8 92.4

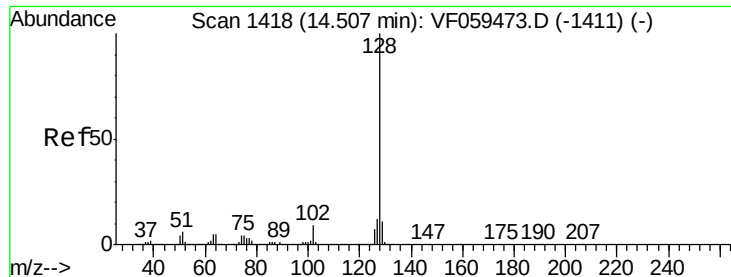


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 152.802 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

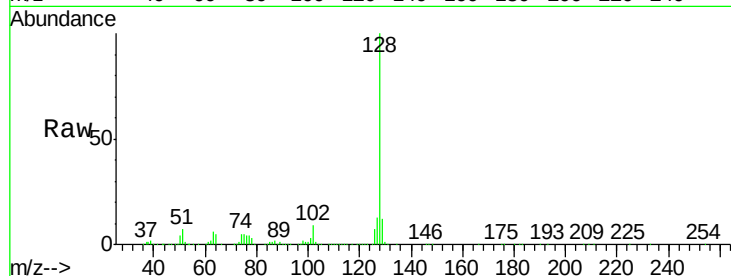
Tgt Ion:128 Resp: 1569198

Ion Ratio Lower Upper

128 100

127 12.7 9.9 14.9

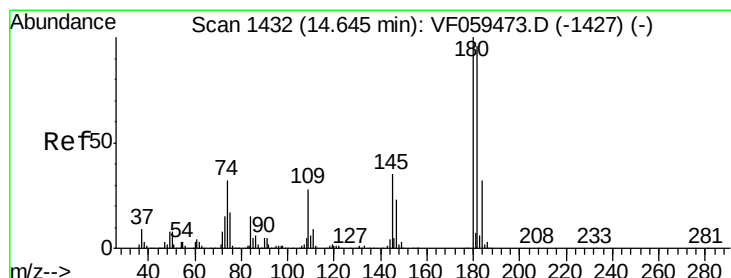
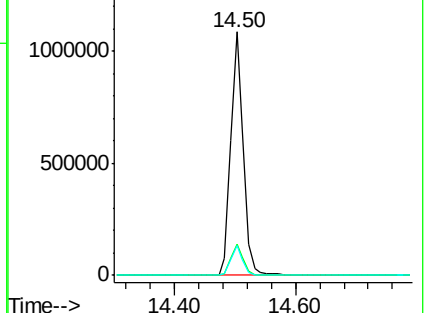
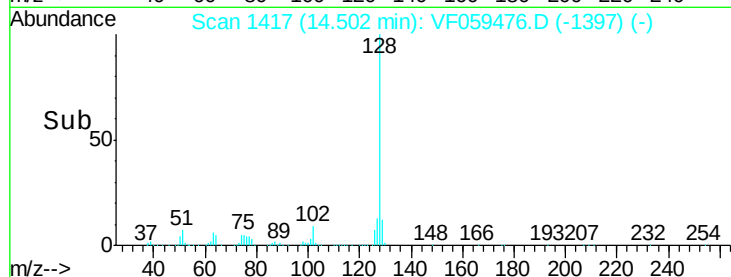
129 12.2 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 150.190 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

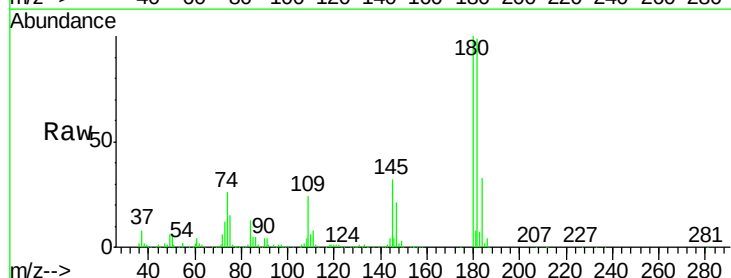
Tgt Ion:180 Resp: 701176

Ion Ratio Lower Upper

180 100

182 99.0 47.9 143.7

145 31.9 17.5 52.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

