

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070718\
 Data File : VF059471.D
 Acq On : 7 Jul 2018 2:32
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: Jul 07 05:44:43 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	5.00	168	239869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	334598	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	362527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	238362	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	39719	11.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.90%	
35) Dibromofluoromethane	4.25	113	32375	12.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.10%	
50) Toluene-d8	7.67	98	73053	11.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.04%	
62) 4-Bromofluorobenzene	11.49	95	43253	12.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.12%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.98	85	29657	12.280	ug/l 95
3) Chloromethane	1.08	50	15152	9.997	ug/l 95
4) Vinyl Chloride	1.14	62	15322	10.253	ug/l 92
5) Bromomethane	1.32	94	12540	12.277	ug/l 86
6) Chloroethane	1.41	64	8205	10.827	ug/l # 77
7) Trichlorofluoromethane	1.47	101	10824	3.523	ug/l 92
8) Diethyl Ether	1.69	74	7799	10.358	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	20082	11.459	ug/l 90
10) Methyl Iodide	1.94	142	33025	10.409	ug/l # 84
11) Tert butyl alcohol	2.67	59	10612	51.418	ug/l 97
12) 1,1-Dichloroethene	1.84	96	18202	12.228	ug/l 85
13) Acrolein	2.07	56	8042	65.618	ug/l 87
14) Allyl chloride	2.16	41	31346	11.557	ug/l # 91
15) Acrylonitrile	3.05	53	16431	45.555	ug/l # 91
16) Acetone	2.32	43	34080	41.682	ug/l 100
17) Carbon Disulfide	1.86	76	45817	12.913	ug/l # 84
18) Methyl Acetate	2.52	43	20051	12.394	ug/l 96
19) Methyl tert-butyl Ether	2.52	73	58305	10.784	ug/l # 89
20) Methylene Chloride	2.26	84	8554	3.637	ug/l 96
21) trans-1,2-Dichloroethene	2.39	96	19286	12.205	ug/l 94
22) Diisopropyl ether	2.90	45	60552	10.183	ug/l 92
23) Vinyl Acetate	3.30	43	189964	50.575	ug/l 97
24) 1,1-Dichloroethane	2.97	63	42068	11.172	ug/l 98
25) 2-Butanone	4.48	43	41222	41.838	ug/l 95
26) 2,2-Dichloropropane	3.72	77	24781	9.827	ug/l 95
27) cis-1,2-Dichloroethene	3.60	96	22392	9.665	ug/l 93
28) Bromochloromethane	3.85	49	19148	11.732	ug/l 92
29) Tetrahydrofuran	4.22	42	19393	44.630	ug/l 99
30) Chloroform	3.99	83	60173	11.043	ug/l 96
31) Cyclohexane	3.83	56	23660	9.720	ug/l 97
32) 1,1,1-Trichloroethane	4.23	97	45671	11.383	ug/l 93
36) 1,1-Dichloropropene	4.42	75	33584	10.996	ug/l 97
37) Ethyl Acetate	4.25	43	20827	10.075	ug/l 93
38) Carbon Tetrachloride	4.13	117	51280	13.045	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.58	83	29635	10.938	ug/l	98
40) Benzene	4.77	78	68242	10.384	ug/l	95
41) Methacrylonitrile	4.88	41	10665	10.679	ug/l #	91
42) 1,2-Dichloroethane	5.08	62	49469	12.365	ug/l	99
43) Isopropyl Acetate	7.08	43	23484	9.684	ug/l #	100
44) Trichloroethene	5.64	130	26557	11.526	ug/l	94
45) 1,2-Dichloropropane	6.36	63	19341	10.336	ug/l #	89
46) Dibromomethane	6.22	93	17415	10.563	ug/l	94
47) Bromodichloromethane	6.51	83	47273	11.777	ug/l	89
48) Methyl methacrylate	6.84	41	14709	8.907	ug/l #	88
49) 1,4-Dioxane	6.83	88	1219	122.480	ug/l #	71
51) 4-Methyl-2-Pentanone	8.37	43	99494	55.027	ug/l	97
52) Toluene	7.74	92	53323	10.770	ug/l	95
53) t-1,3-Dichloropropene	8.39	75	42540	11.706	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	37604	9.663	ug/l	97
55) 1,1,2-Trichloroethane	8.61	97	20251	10.599	ug/l	91
56) Ethyl methacrylate	8.74	69	22101	9.503	ug/l #	78
57) 1,3-Dichloropropane	8.96	76	34299	10.461	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.74	63	11399	62.126	ug/l	100
59) 2-Hexanone	9.60	43	67359	45.176	ug/l	100
60) Dibromochloromethane	8.82	129	33507	11.247	ug/l	88
61) 1,2-Dibromoethane	9.10	107	25945	11.164	ug/l	88
64) Tetrachloroethene	8.27	164	28265	11.363	ug/l	94
65) Chlorobenzene	9.91	112	68669	10.002	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.04	131	33264	11.120	ug/l	94
67) Ethyl Benzene	10.01	91	121167	10.360	ug/l	99
68) m/p-Xylenes	10.23	106	85641	20.728	ug/l	93
69) o-Xylene	10.81	106	44119	9.570	ug/l	91
70) Styrene	10.88	104	74029	10.525	ug/l	96
71) Bromoform	10.87	173	21521	10.545	ug/l	96
73) Isopropylbenzene	11.20	105	143778	10.133	ug/l	99
74) N-amyl acetate	11.45	43	40956	8.172	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.76	83	32805	9.386	ug/l	94
76) 1,2,3-Trichloropropane	11.86	75	28893	10.777	ug/l	94
77) Bromobenzene	11.57	156	41541	10.640	ug/l	85
78) n-propylbenzene	11.66	91	178938	10.507	ug/l	100
79) 2-Chlorotoluene	11.79	91	107988	10.339	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	126969	10.149	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.93	75	12397	7.974	ug/l	96
82) 4-Chlorotoluene	11.97	91	116236	10.498	ug/l	97
83) tert-Butylbenzene	12.20	119	127589	10.312	ug/l	94
84) 1,2,4-Trimethylbenzene	12.26	105	140290	10.740	ug/l	94
85) sec-Butylbenzene	12.36	105	168379	10.202	ug/l	99
86) p-Isopropyltoluene	12.52	119	147594	10.627	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	79163	10.899	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	74120	10.506	ug/l	95
89) n-Butylbenzene	12.90	91	150370	10.664	ug/l	95
90) Hexachloroethane	12.97	117	37340	10.756	ug/l	85
91) 1,2-Dichlorobenzene	13.00	146	79880	11.235	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	7651	9.656	ug/l	82

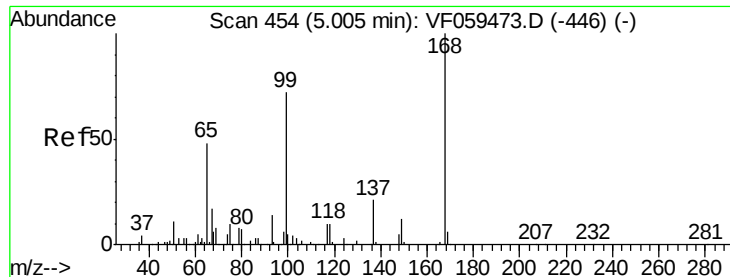
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	57974	10.978	ug/l	96
94) Hexachlorobutadiene	14.24	225	32632	10.775	ug/l	92
95) Naphthalene	14.50	128	101360	9.165	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	59499	11.834	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

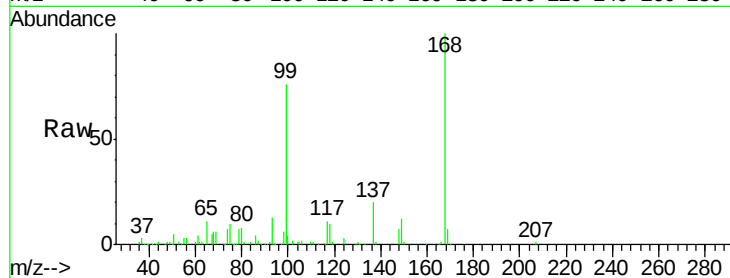
VSTDIC010

Tgt Ion:168 Resp: 239869

Ion Ratio Lower Upper

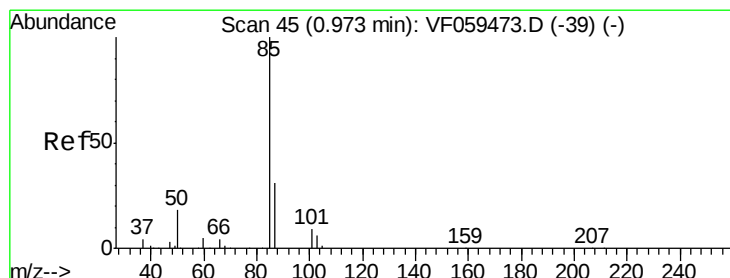
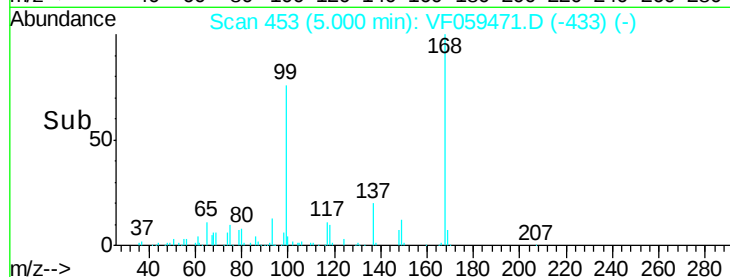
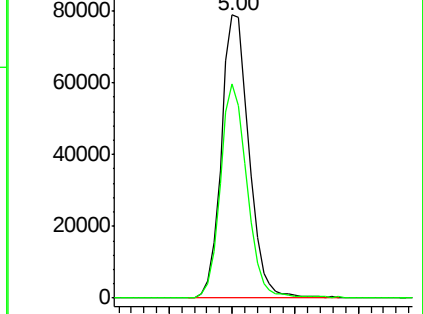
168 100

99 75.9 57.7 86.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 12.280 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.01 min

Lab File: VF059471.D

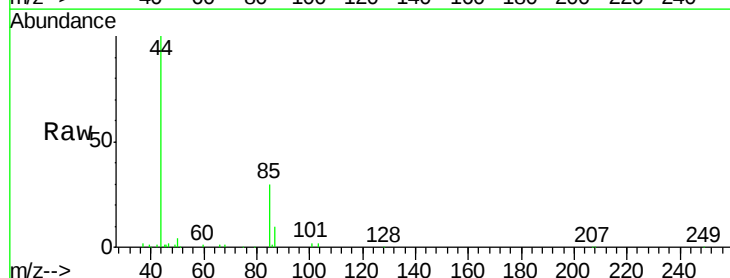
Acq: 7 Jul 2018 2:32

Tgt Ion: 85 Resp: 29657

Ion Ratio Lower Upper

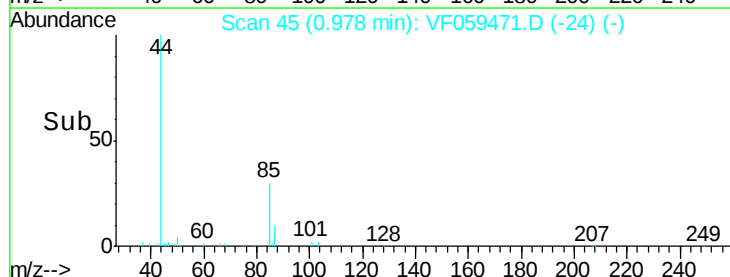
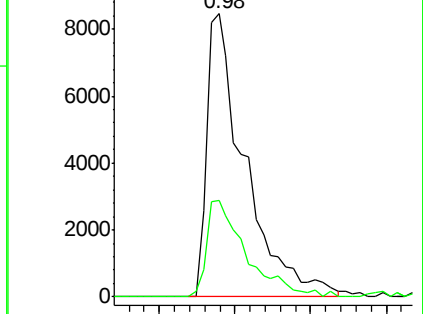
85 100

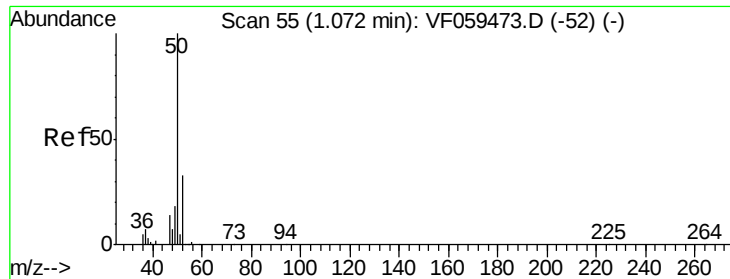
87 33.9 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 9.997 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

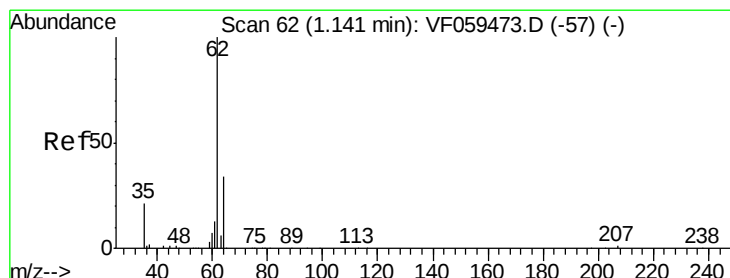
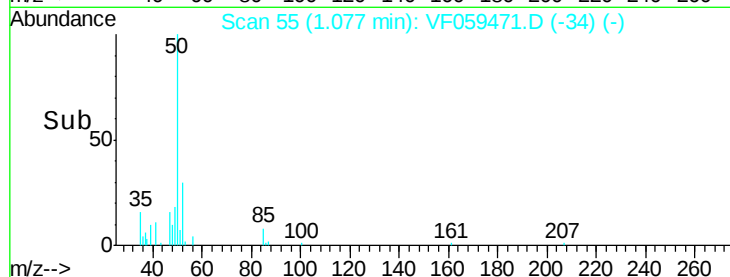
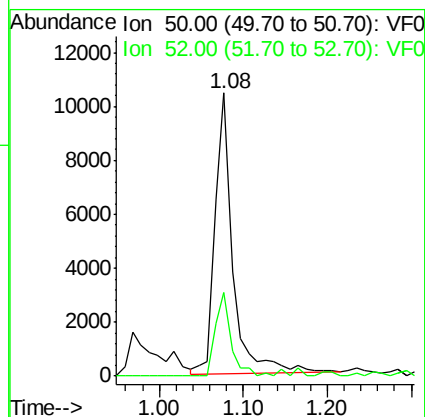
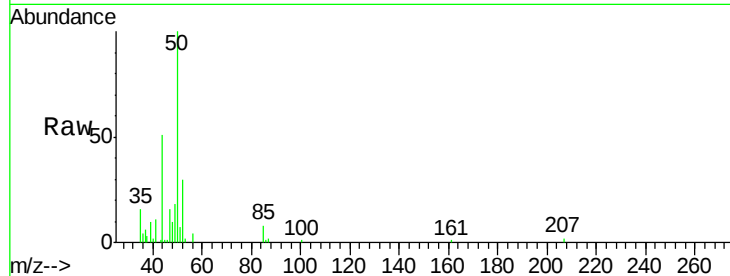
VSTDIC010

Tgt Ion: 50 Resp: 15152

Ion Ratio Lower Upper

50 100

52 29.7 25.9 38.9



#4

Vinyl Chloride

Concen: 10.253 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.00 min

Lab File: VF059471.D

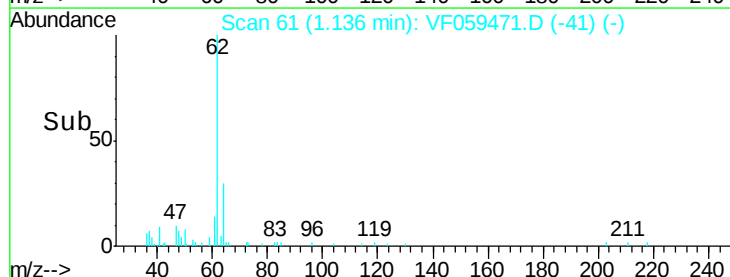
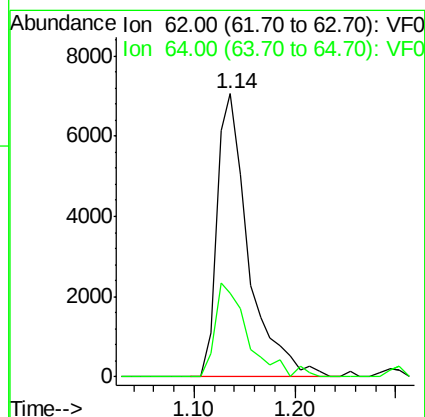
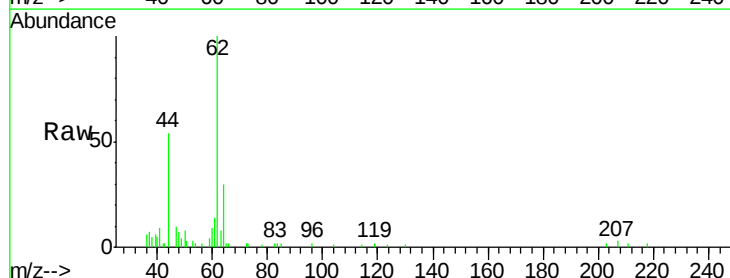
Acq: 7 Jul 2018 2:32

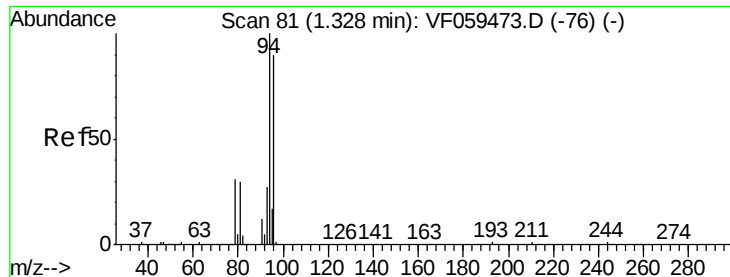
Tgt Ion: 62 Resp: 15322

Ion Ratio Lower Upper

62 100

64 29.7 27.3 40.9





#5

Bromomethane

Concen: 12.277 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

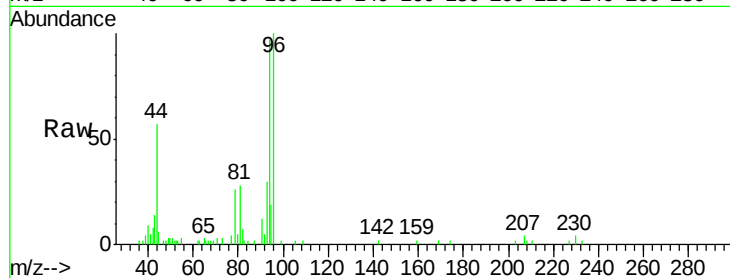
VSTDIC010

Tgt Ion: 94 Resp: 12540

Ion Ratio Lower Upper

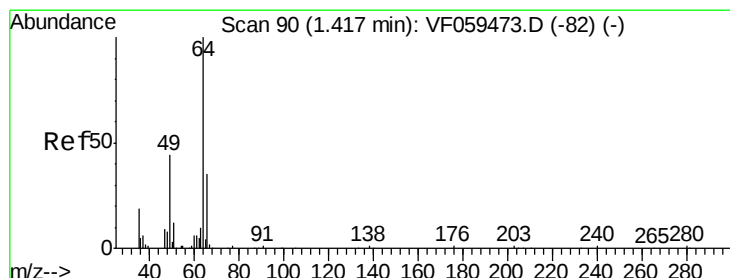
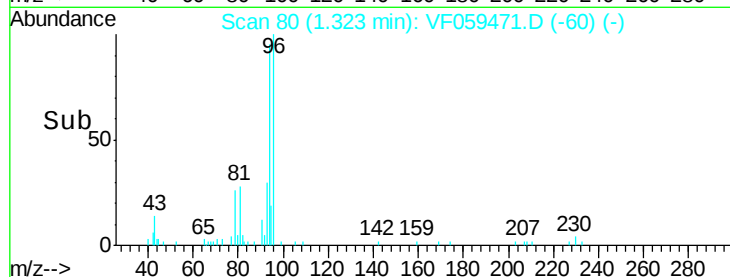
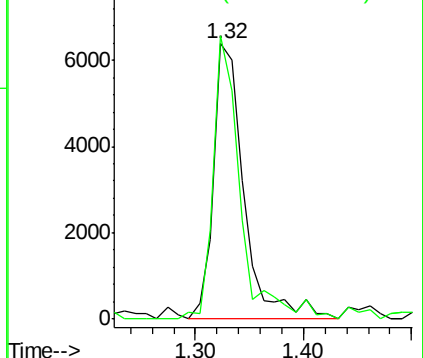
94 100

96 102.7 72.0 108.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 10.827 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.00 min

Lab File: VF059471.D

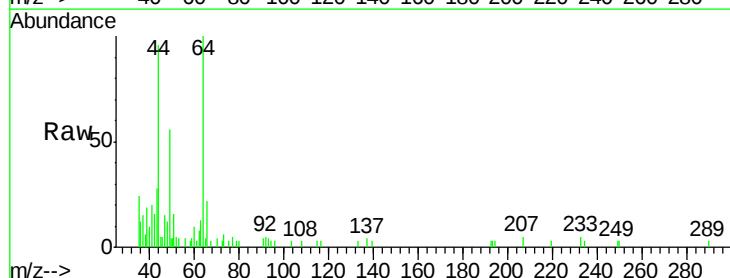
Acq: 7 Jul 2018 2:32

Tgt Ion: 64 Resp: 8205

Ion Ratio Lower Upper

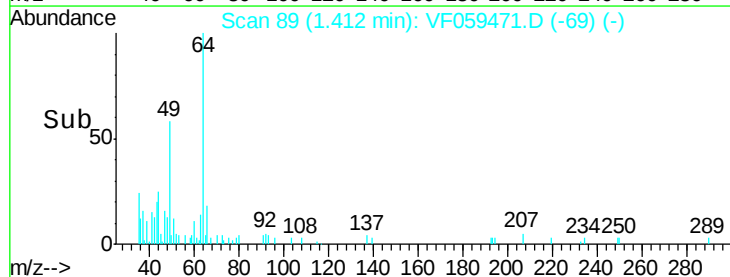
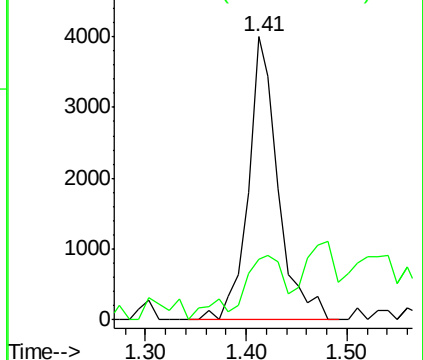
64 100

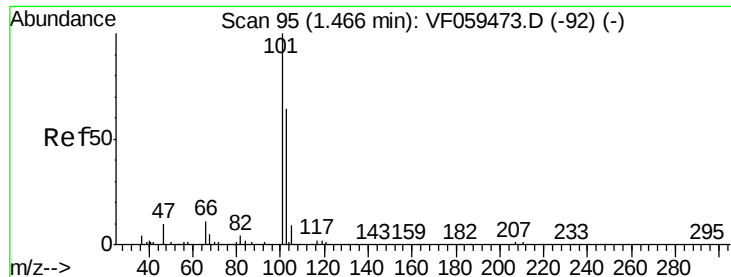
66 21.6 28.1 42.1#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 3.523 ug/l

RT: 1.47 min Scan# 95

Delta R.T. 0.01 min

Lab File: VF059471.D

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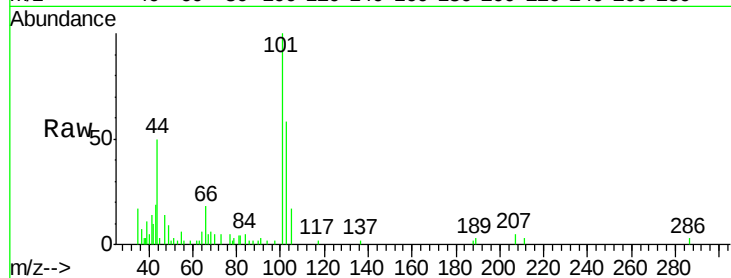
VSTDIC010

Tgt Ion:101 Resp: 10824

Ion Ratio Lower Upper

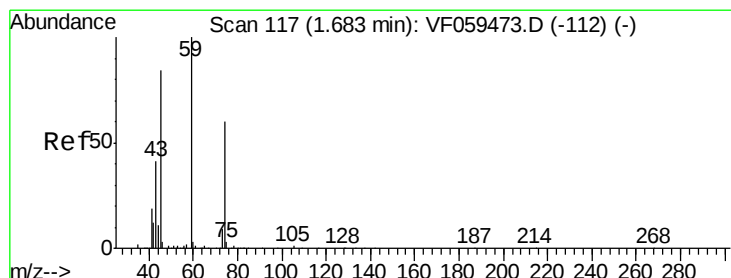
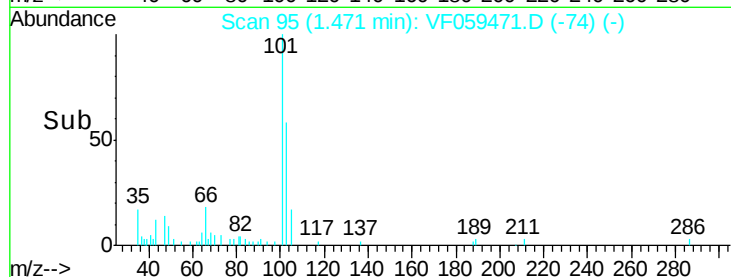
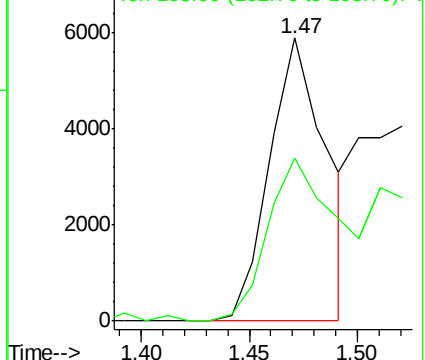
101 100

103 57.8 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: 10.358 ug/l

RT: 1.69 min Scan# 117

Delta R.T. 0.01 min

Lab File: VF059471.D

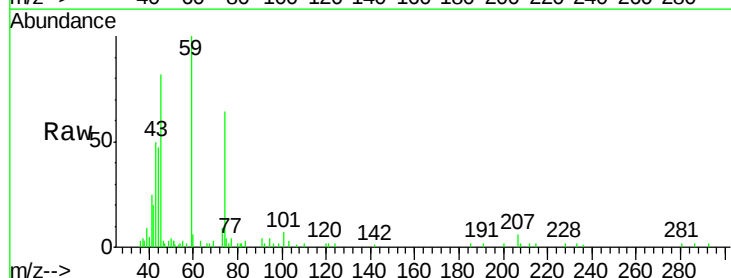
Acq: 7 Jul 2018 2:32

Tgt Ion: 74 Resp: 7799

Ion Ratio Lower Upper

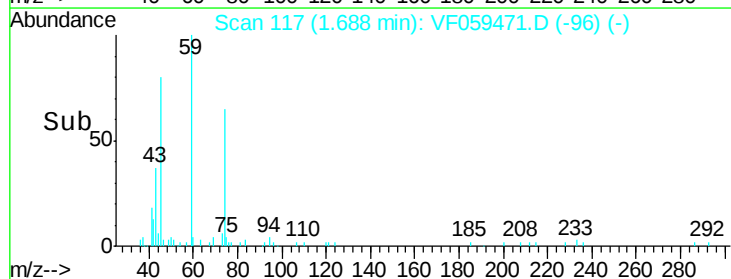
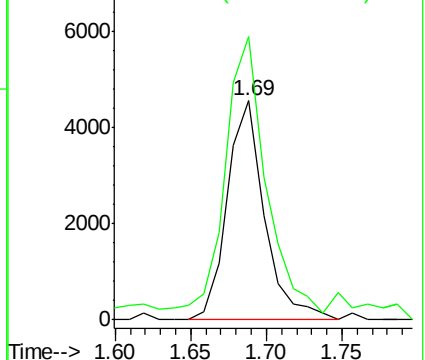
74 100

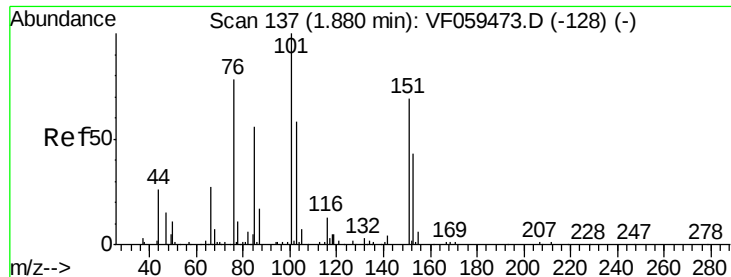
45 129.3 71.1 213.3



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: 11.459 ug/l

RT: 1.89 min Scan# 137

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

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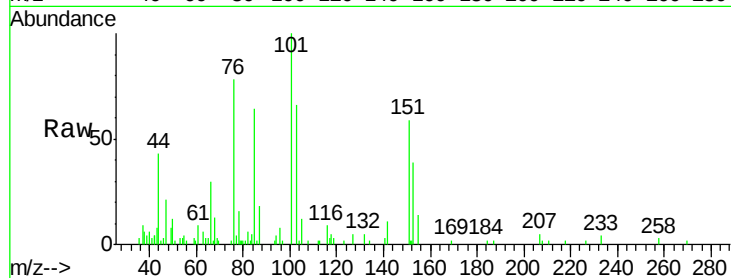
Tgt Ion:101 Resp: 20082

Ion Ratio Lower Upper

101 100

85 63.6 43.8 65.8

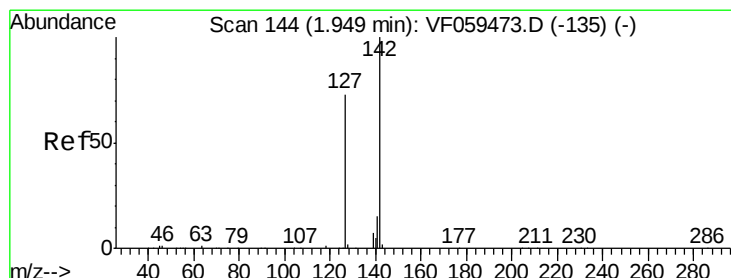
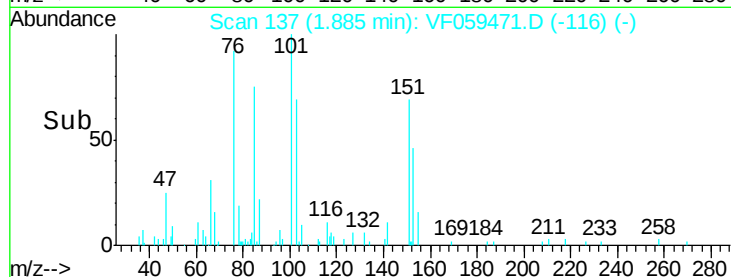
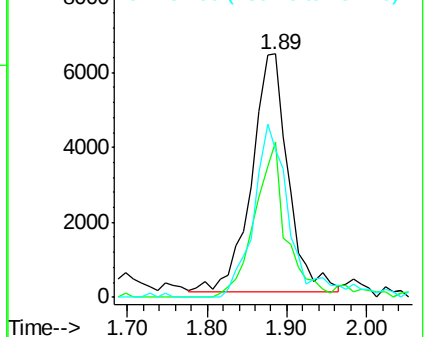
151 60.6 54.2 81.4



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: 10.409 ug/l

RT: 1.94 min Scan# 143

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

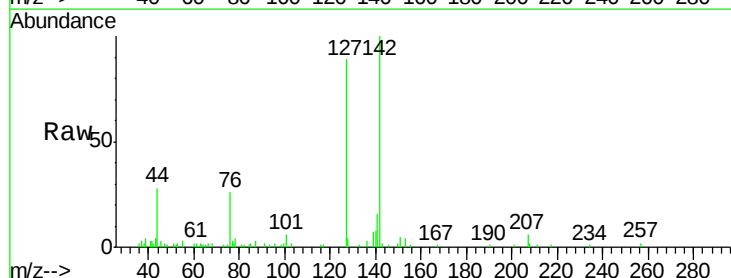
Tgt Ion:142 Resp: 33025

Ion Ratio Lower Upper

142 100

127 88.5 58.2 87.2#

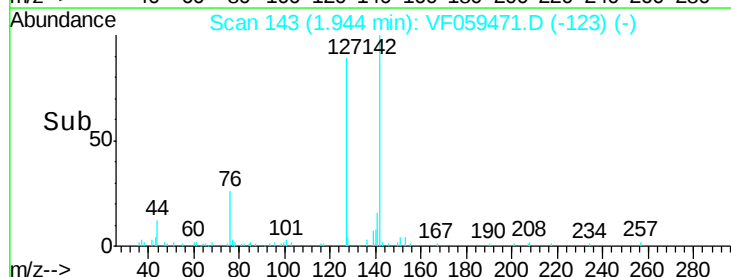
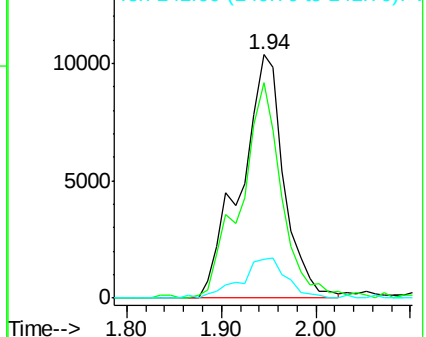
141 16.1 11.7 17.5

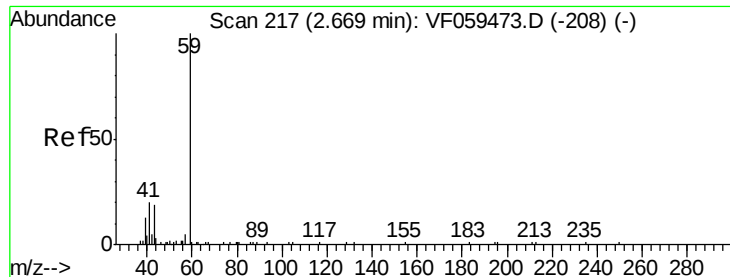


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

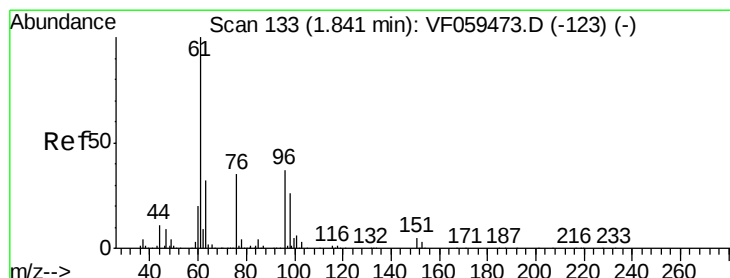
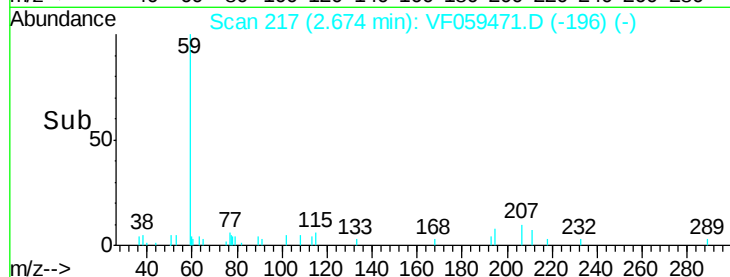
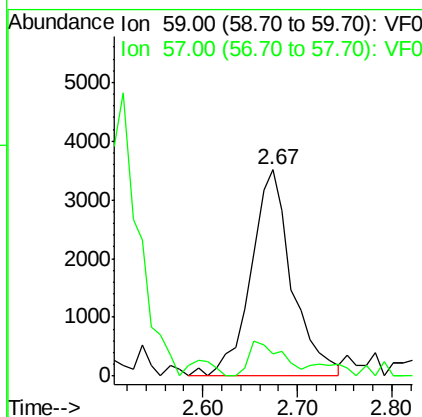
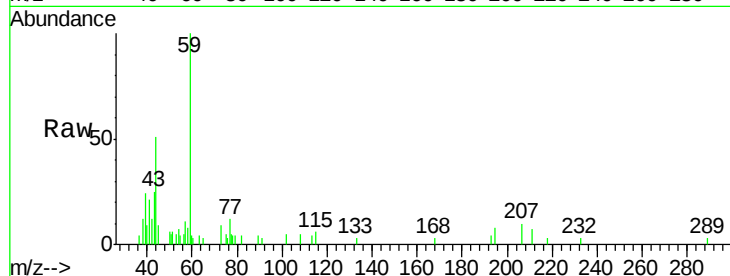




#11
Tert butyl alcohol
Concen: 51.418 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.01 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

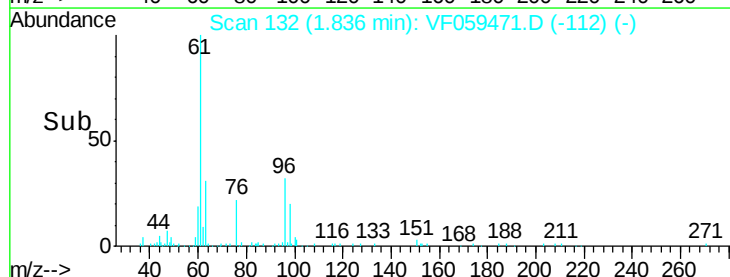
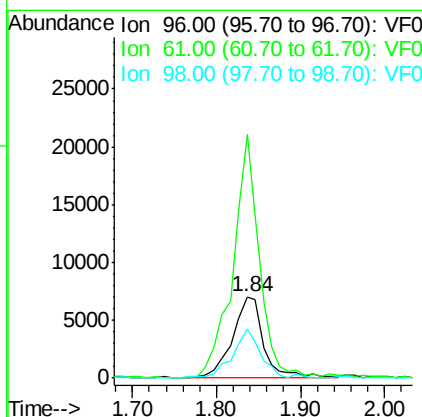
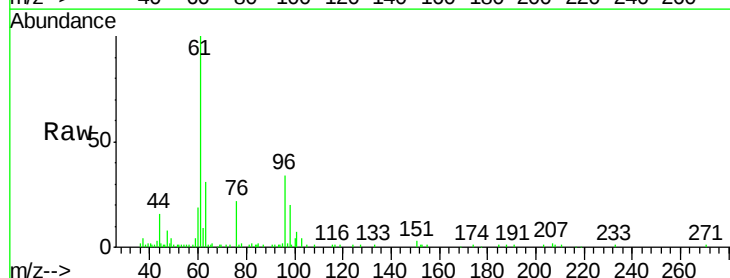
Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

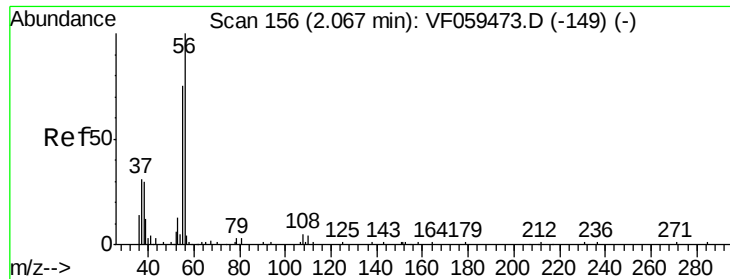
Tgt Ion: 59 Resp: 10612
Ion Ratio Lower Upper
59 100
57 11.0 7.8 11.8



#12
1,1-Dichloroethene
Concen: 12.228 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

Tgt Ion: 96 Resp: 18202
Ion Ratio Lower Upper
96 100
61 298.2 214.4 321.6
98 62.5 55.6 83.4





#13

Acrolein

Concen: 65.618 ug/l

RT: 2.07 min Scan# 156

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

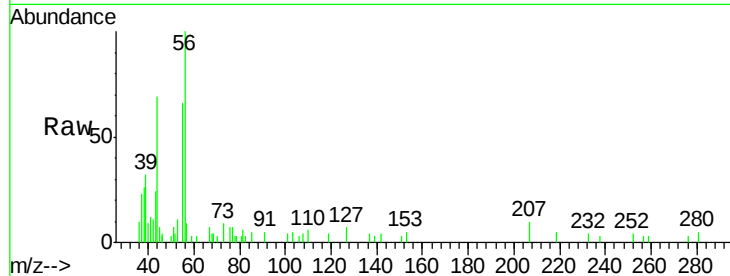
VSTDIC010

Tgt Ion: 56 Resp: 8042

Ion Ratio Lower Upper

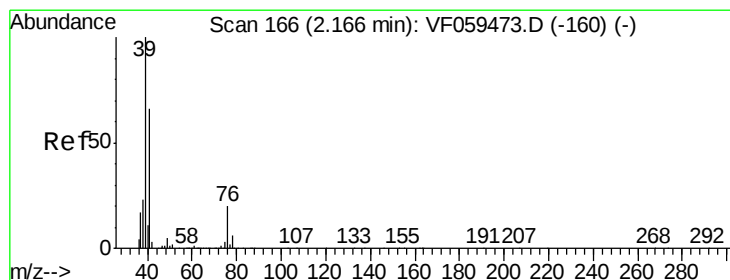
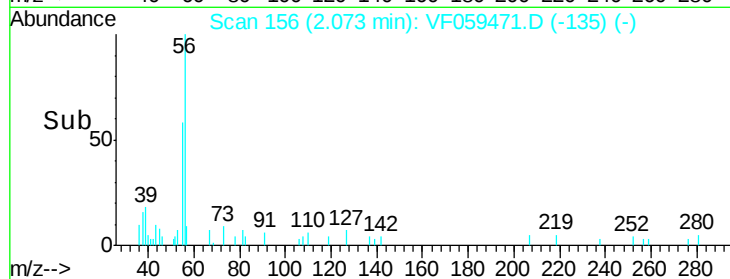
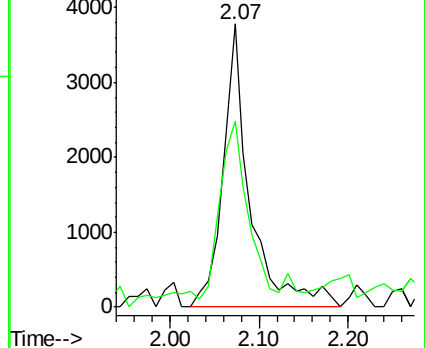
56 100

55 65.7 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: 11.557 ug/l

RT: 2.16 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

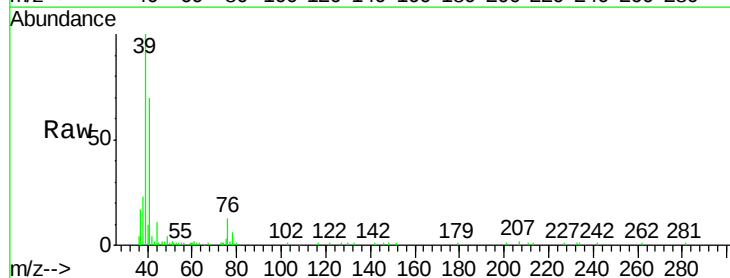
Tgt Ion: 41 Resp: 31346

Ion Ratio Lower Upper

41 100

39 142.6 120.7 181.1

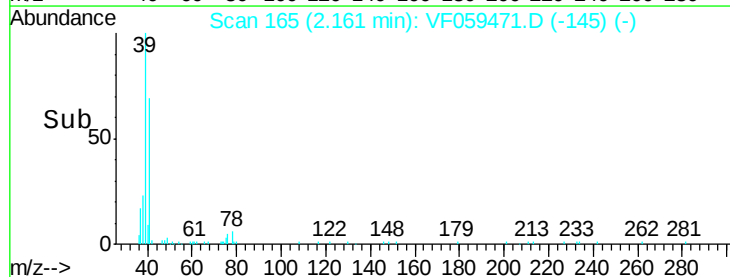
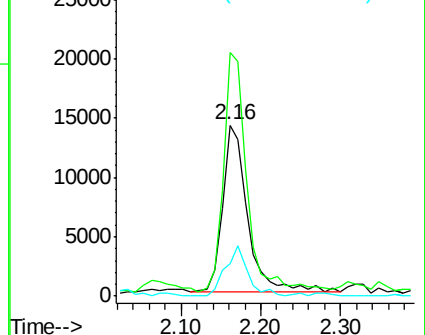
76 18.8 24.0 36.0#

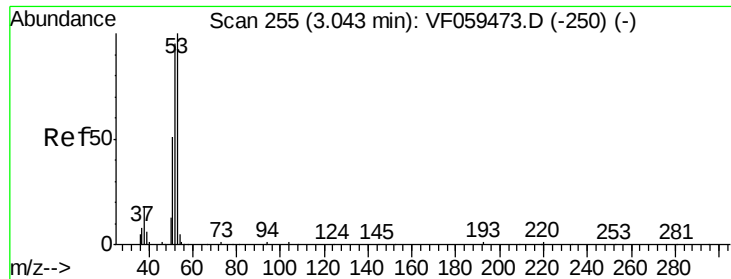


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 45.555 ug/l

RT: 3.05 min Scan# 255

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

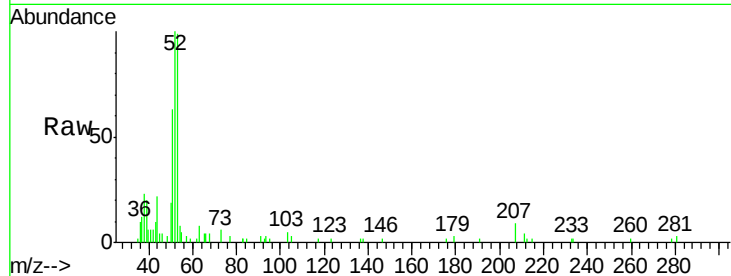
Tgt Ion: 53 Resp: 16431

Ion Ratio Lower Upper

53 100

52 100.6 76.8 115.2

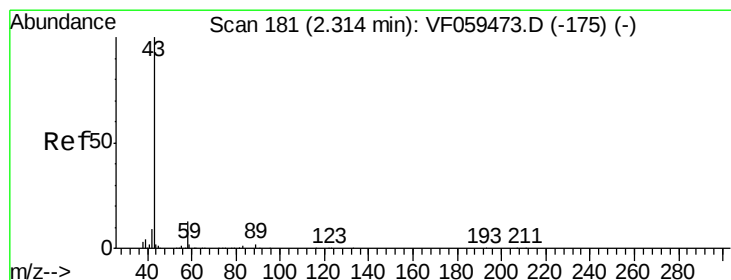
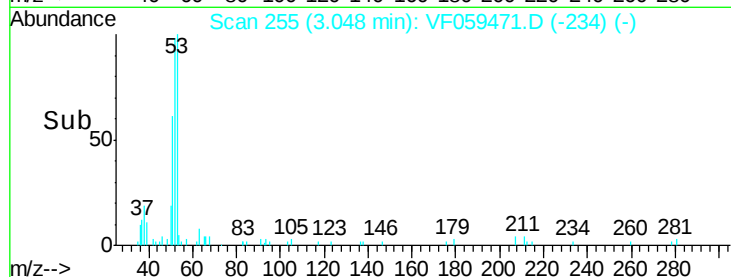
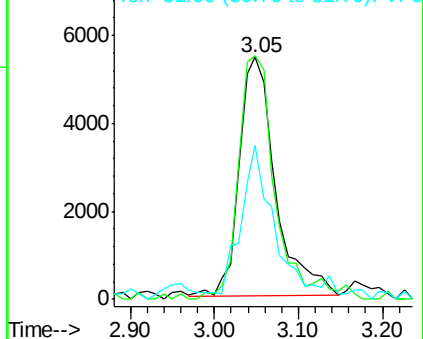
51 63.6 41.8 62.8#



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: 41.682 ug/l

RT: 2.32 min Scan# 181

Delta R.T. 0.01 min

Lab File: VF059471.D

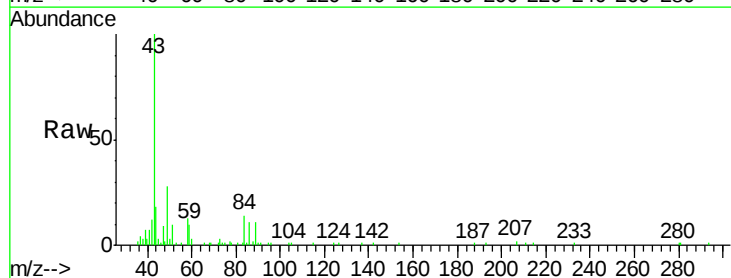
Acq: 7 Jul 2018 2:32

Tgt Ion: 43 Resp: 34080

Ion Ratio Lower Upper

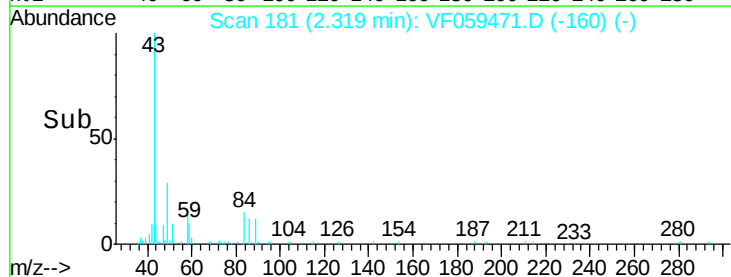
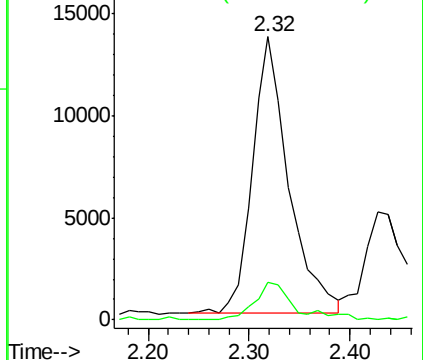
43 100

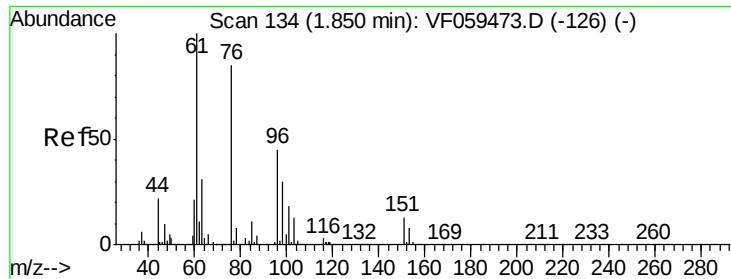
58 13.1 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 12.913 ug/l

RT: 1.86 min Scan# 134

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

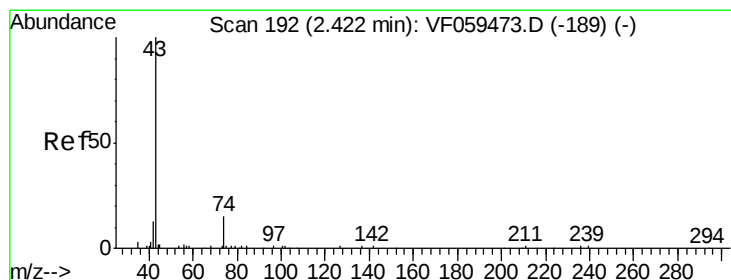
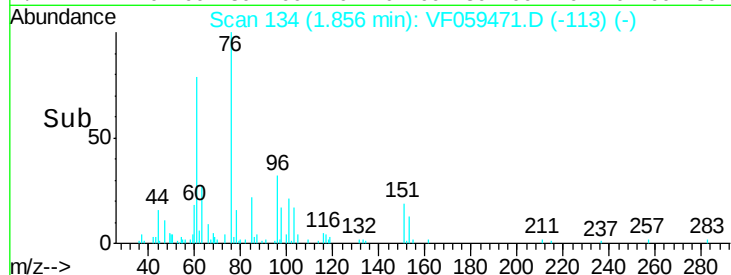
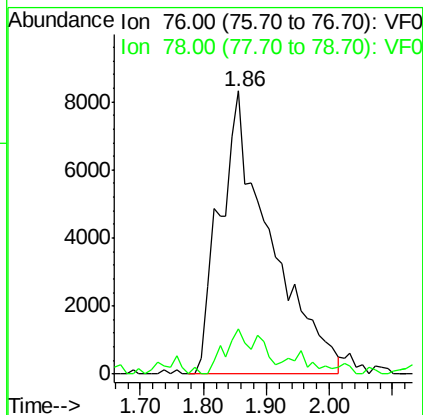
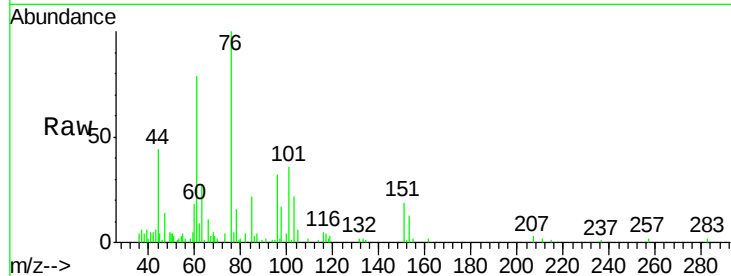
VSTDIC010

Tgt Ion: 76 Resp: 45817

Ion Ratio Lower Upper

76 100

78 16.0 8.0 12.0#



#18

Methyl Acetate

Concen: 12.394 ug/l

RT: 2.52 min Scan# 201

Delta R.T. 0.09 min

Lab File: VF059471.D

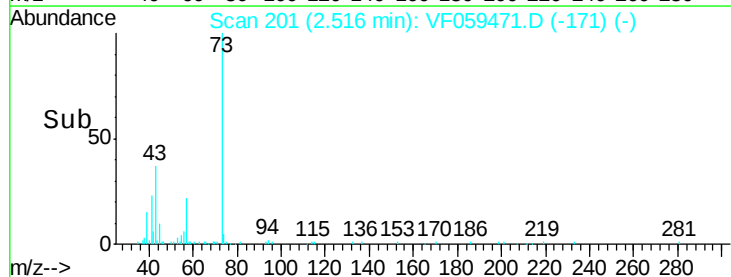
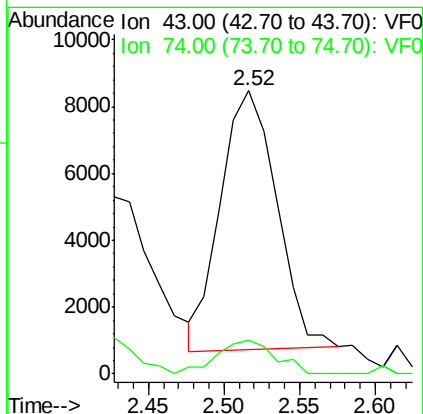
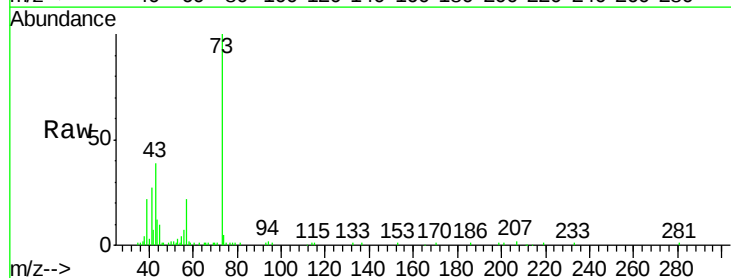
Acq: 7 Jul 2018 2:32

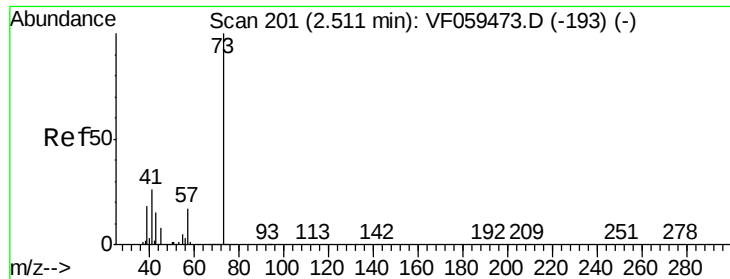
Tgt Ion: 43 Resp: 20051

Ion Ratio Lower Upper

43 100

74 11.7 10.8 16.2



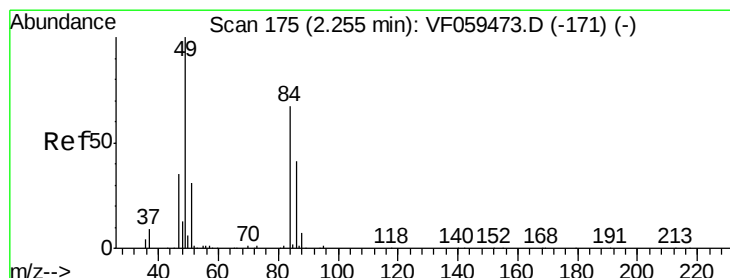
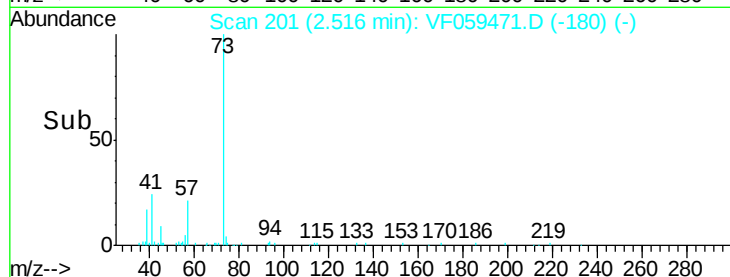
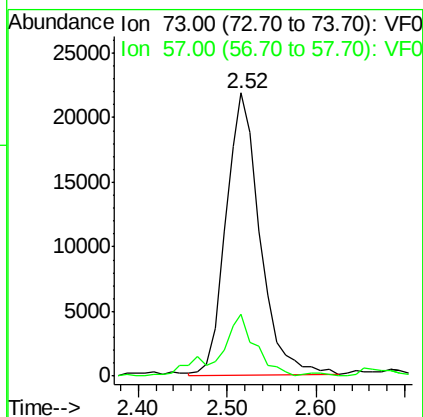
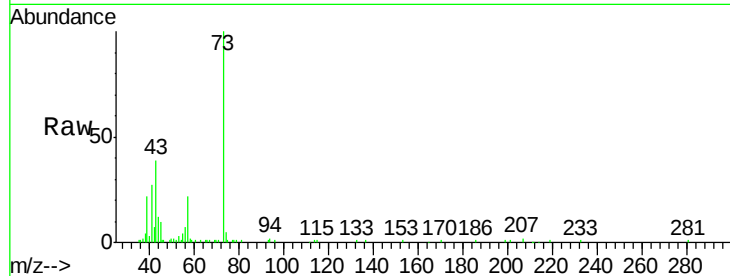


#19

Methyl tert-butyl Ether
 Concen: 10.784 ug/l
 RT: 2.52 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

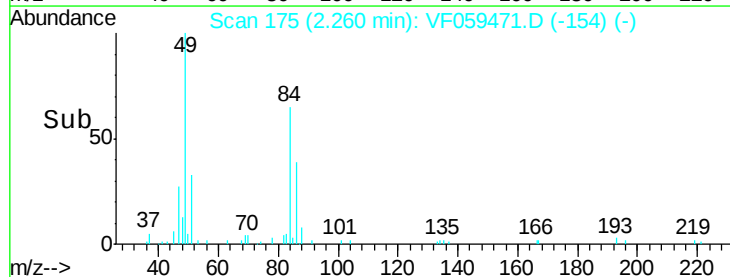
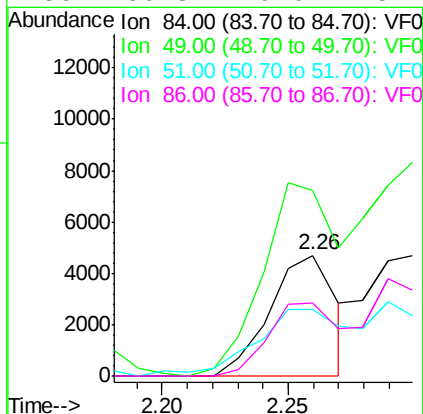
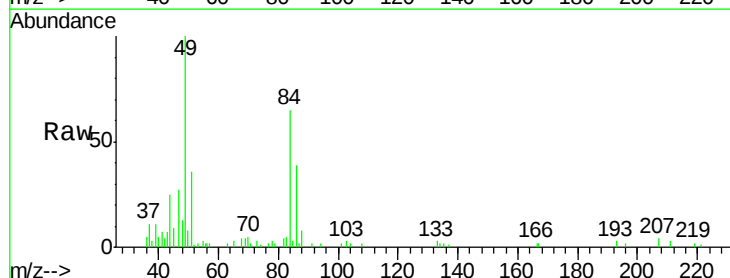
Tgt Ion: 73 Resp: 58305
 Ion Ratio Lower Upper
 73 100
 57 22.0 13.7 20.5#

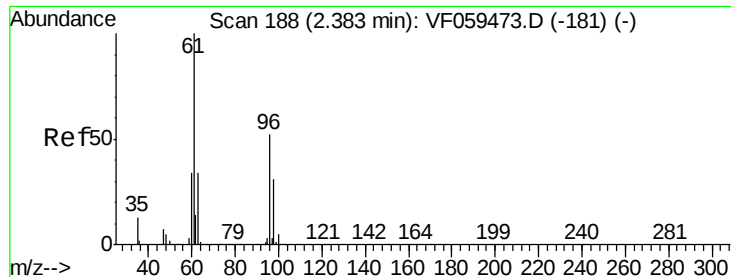


#20

Methylene Chloride
 Concen: 3.637 ug/l
 RT: 2.26 min Scan# 175
 Delta R.T. 0.01 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

Tgt Ion: 84 Resp: 8554
 Ion Ratio Lower Upper
 84 100
 49 153.8 120.4 180.6
 51 55.3 38.1 57.1
 86 60.3 49.0 73.4





#21

trans-1,2-Dichloroethene

Concen: 12.205 ug/l

RT: 2.39 min Scan# 188

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

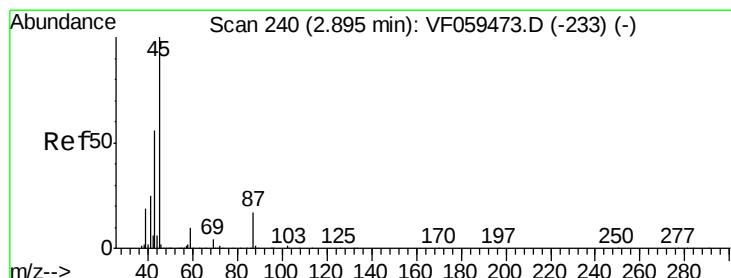
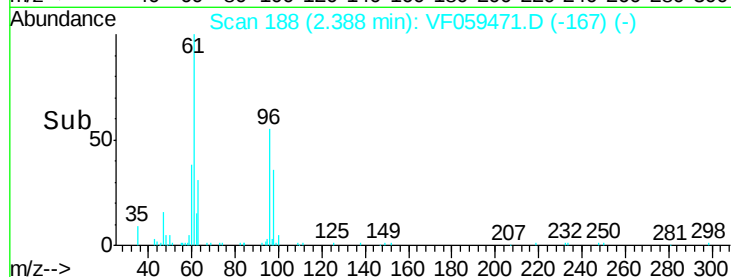
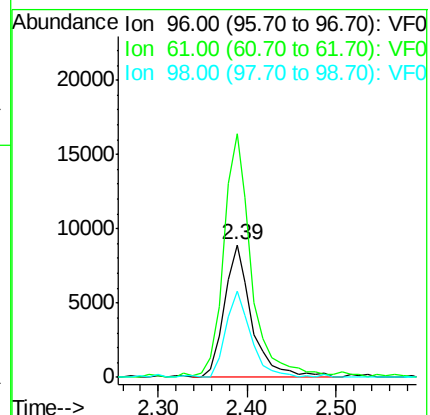
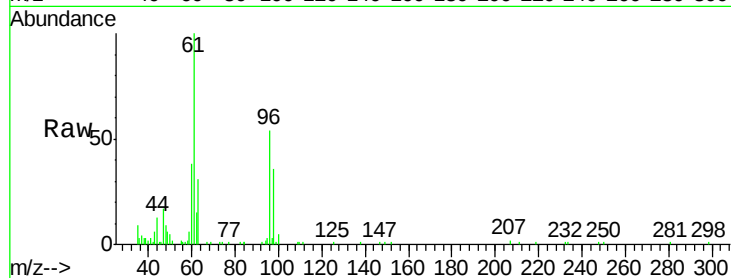
Tgt Ion: 96 Resp: 19286

Ion Ratio Lower Upper

96 100

61 184.1 154.3 231.5

98 65.6 48.2 72.4



#22

Diisopropyl ether

Concen: 10.183 ug/l

RT: 2.90 min Scan# 240

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Tgt Ion: 45 Resp: 60552

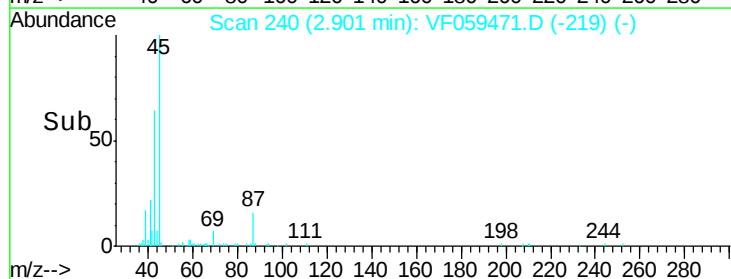
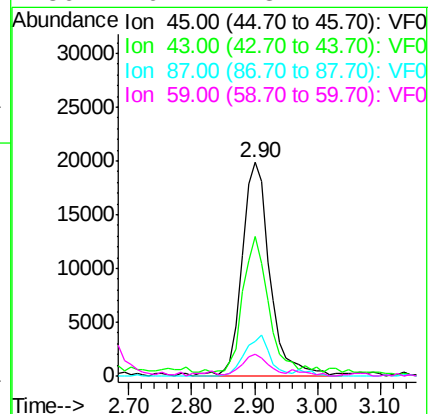
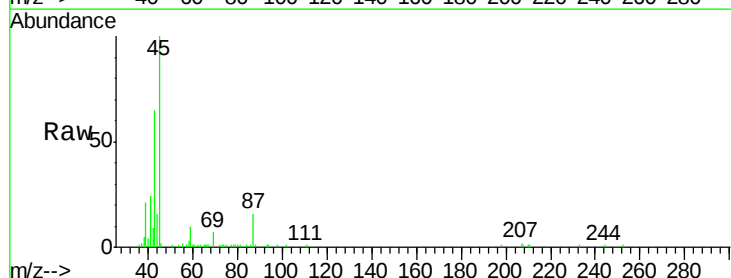
Ion Ratio Lower Upper

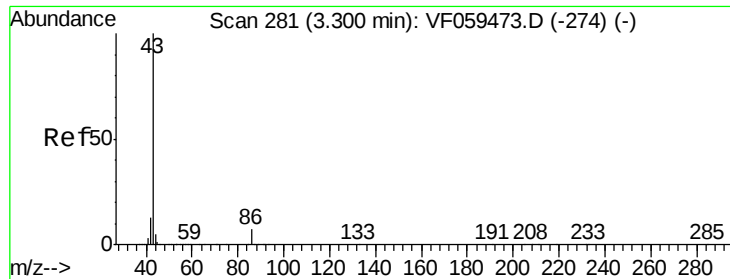
45 100

43 65.3 45.4 68.2

87 16.2 13.5 20.3

59 10.2 8.2 12.4





#23

Vinyl Acetate

Concen: 50.575 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

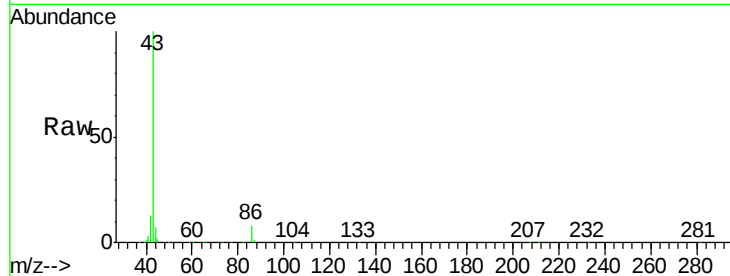
VSTDIC010

Tgt Ion: 43 Resp: 189964

Ion Ratio Lower Upper

43 100

86 7.6 5.3 7.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.30

80000

60000

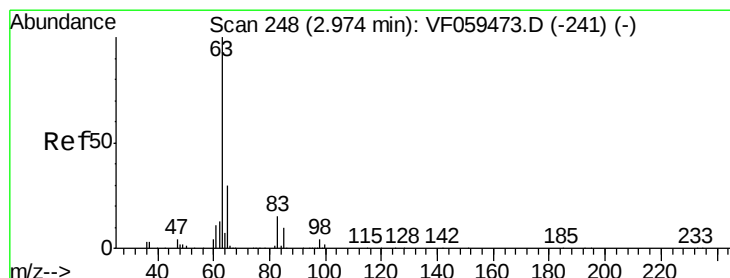
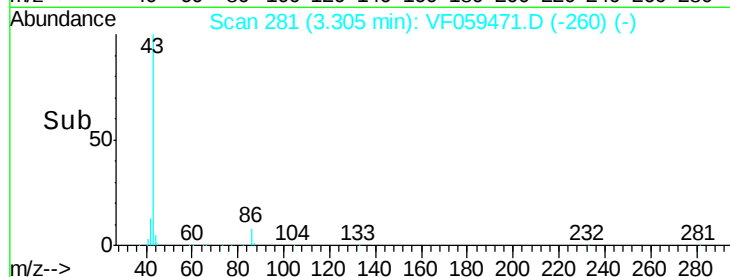
40000

20000

0

Time-->

3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 11.172 ug/l

RT: 2.97 min Scan# 247

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

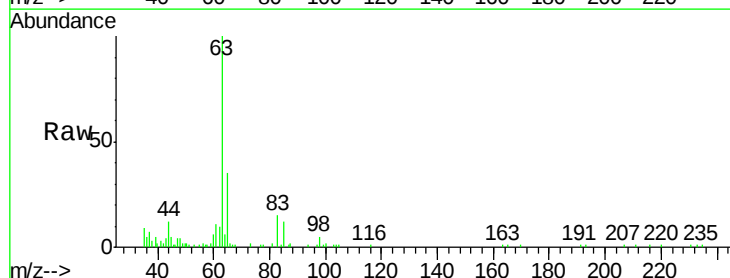
Tgt Ion: 63 Resp: 42068

Ion Ratio Lower Upper

63 100

98 4.6 1.8 5.5

100 2.4 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

20000

15000

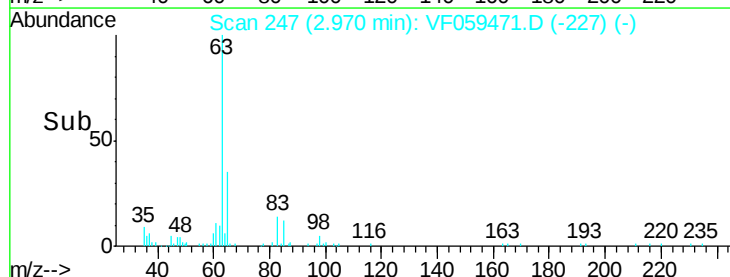
10000

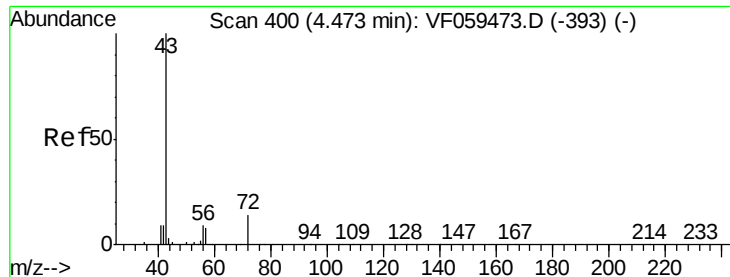
5000

0

Time-->

2.80 2.90 3.00 3.10





#25

2-Butanone

Concen: 41.838 ug/l

RT: 4.48 min Scan# 400

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

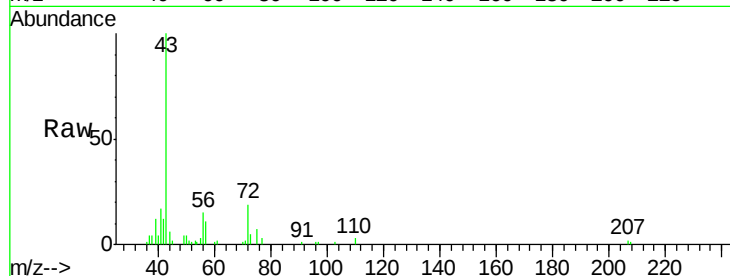
VSTDIC010

Tgt Ion: 43 Resp: 41222

Ion Ratio Lower Upper

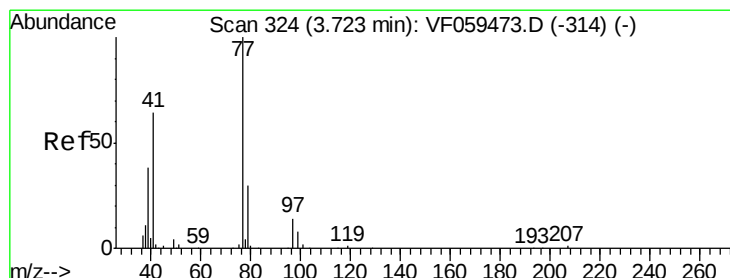
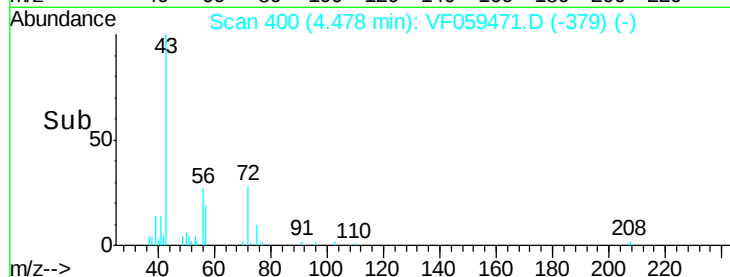
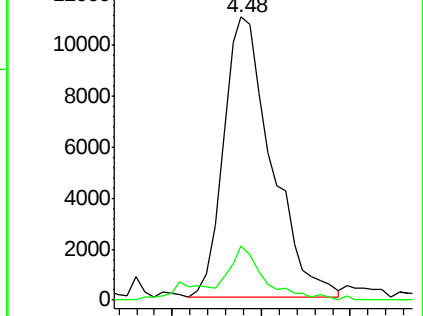
43 100

72 19.4 13.8 20.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 9.827 ug/l

RT: 3.72 min Scan# 323

Delta R.T. -0.00 min

Lab File: VF059471.D

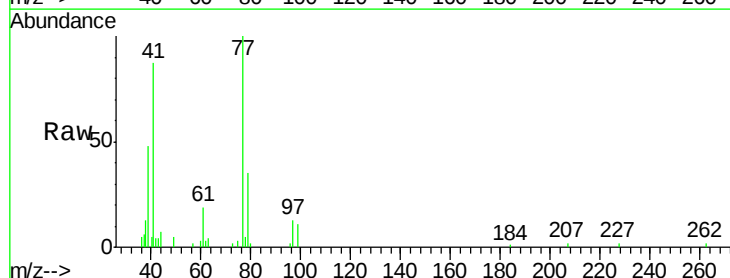
Acq: 7 Jul 2018 2:32

Tgt Ion: 77 Resp: 24781

Ion Ratio Lower Upper

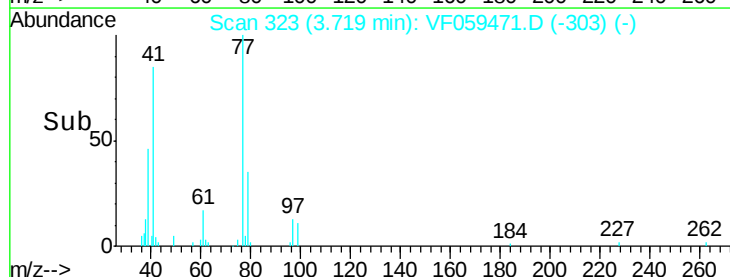
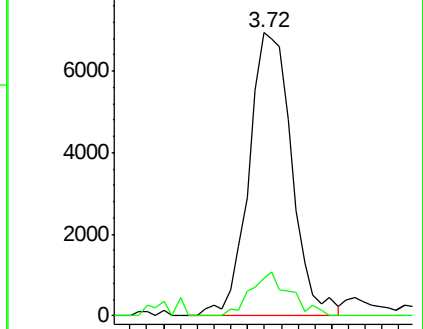
77 100

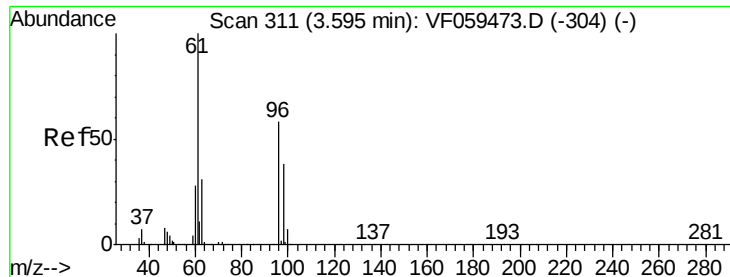
97 13.2 7.7 23.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



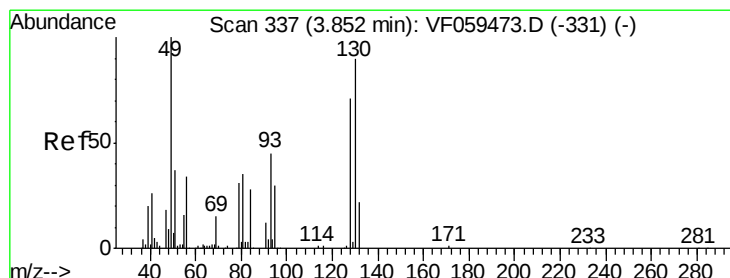
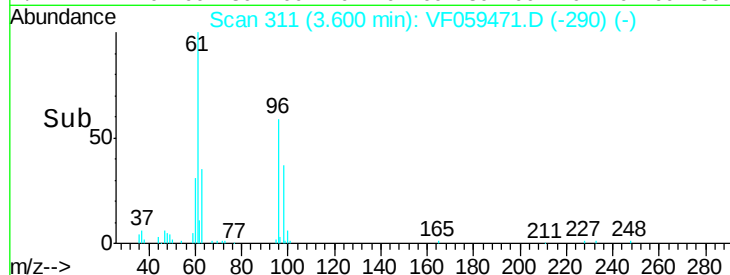
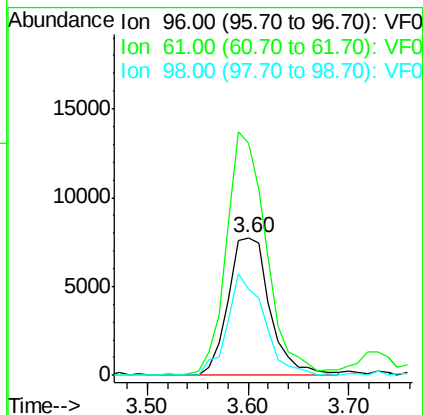
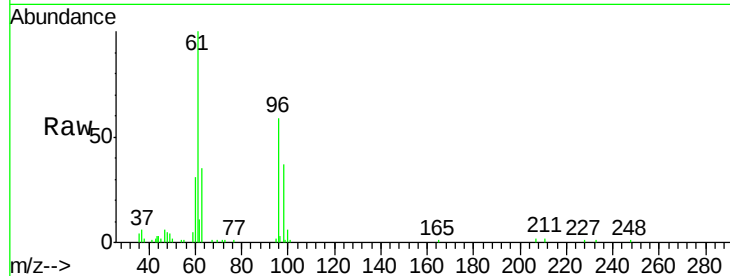


#27

cis-1,2-Dichloroethene
Concen: 9.665 ug/l
RT: 3.60 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

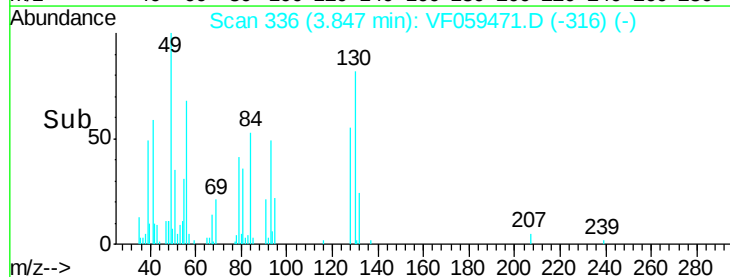
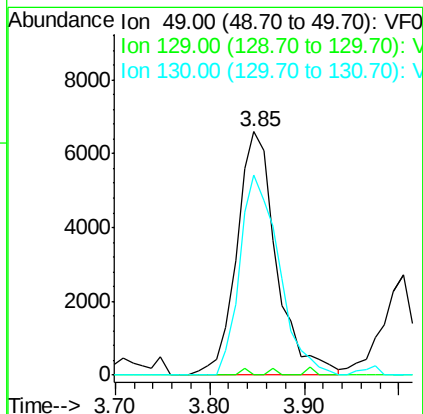
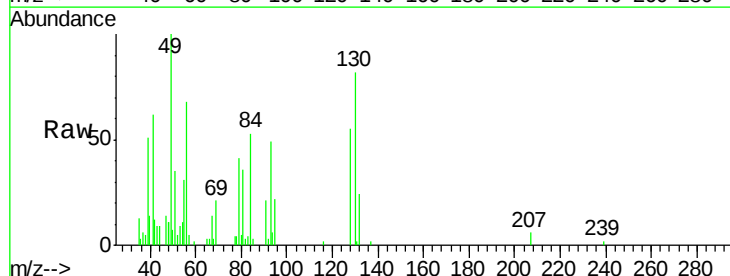
Tgt Ion: 96 Resp: 22392
Ion Ratio Lower Upper
96 100
61 160.7 0.0 342.0
98 59.5 0.0 130.0

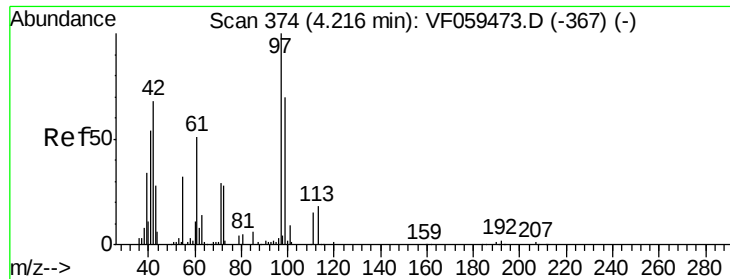


#28

Bromochloromethane
Concen: 11.732 ug/l
RT: 3.85 min Scan# 336
Delta R.T. -0.00 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

Tgt Ion: 49 Resp: 19148
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.2
130 82.1 71.4 107.0





#29

Tetrahydrofuran

Concen: 44.630 ug/l

RT: 4.22 min Scan# 374

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

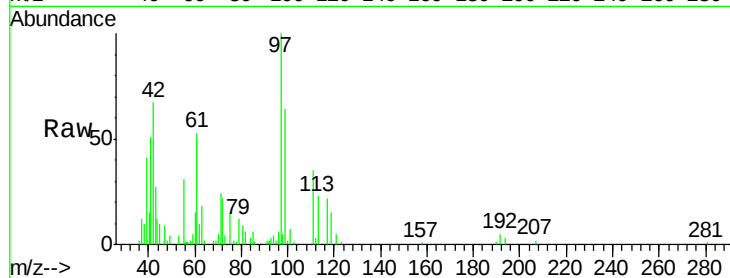
Tgt Ion: 42 Resp: 19393

Ion Ratio Lower Upper

42 100

72 35.2 29.2 43.8

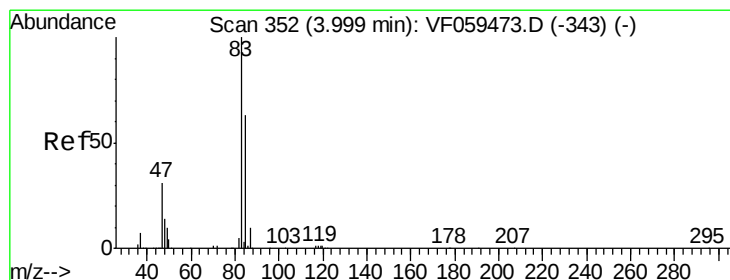
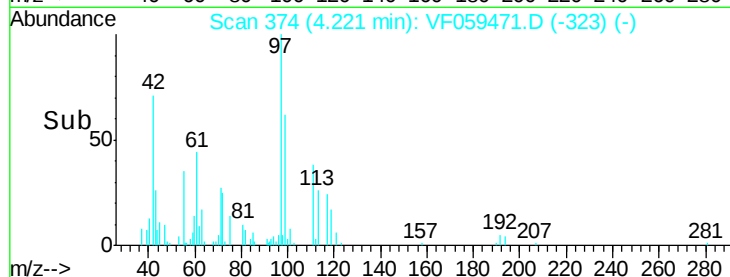
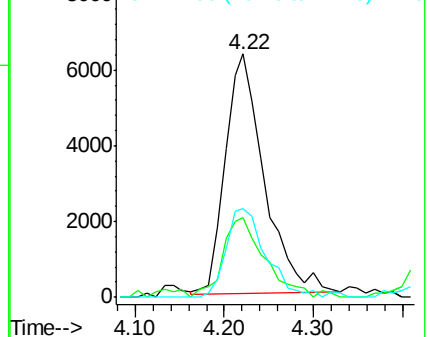
71 37.7 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 11.043 ug/l

RT: 3.99 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF059471.D

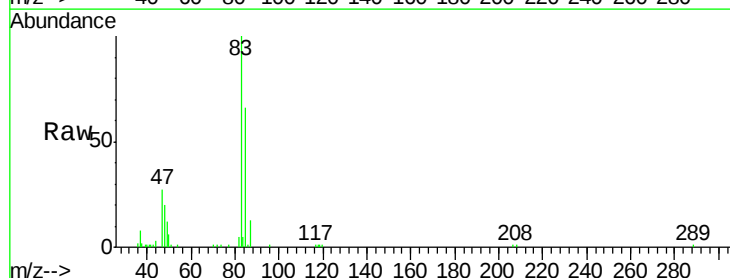
Acq: 7 Jul 2018 2:32

Tgt Ion: 83 Resp: 60173

Ion Ratio Lower Upper

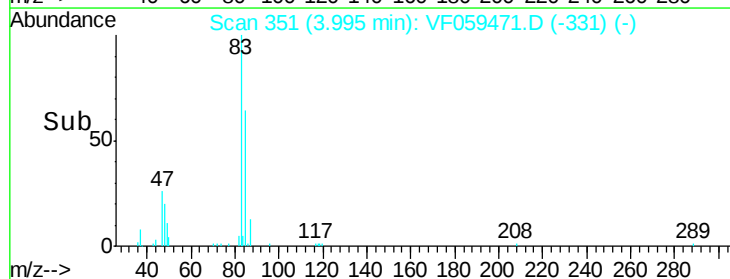
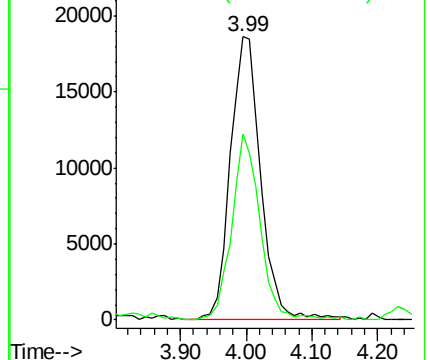
83 100

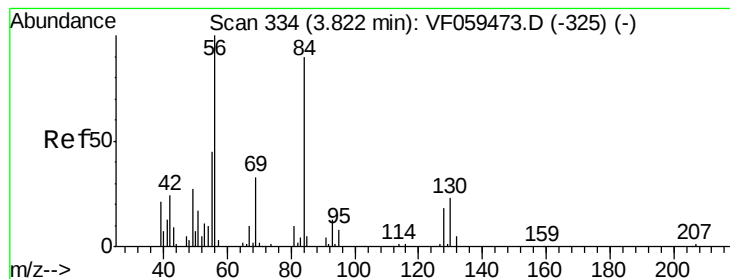
85 65.6 50.3 75.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 9.720 ug/l

RT: 3.83 min Scan# 334

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

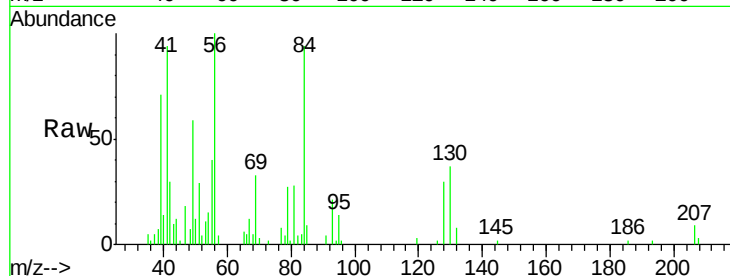
Tgt Ion: 56 Resp: 23660

Ion Ratio Lower Upper

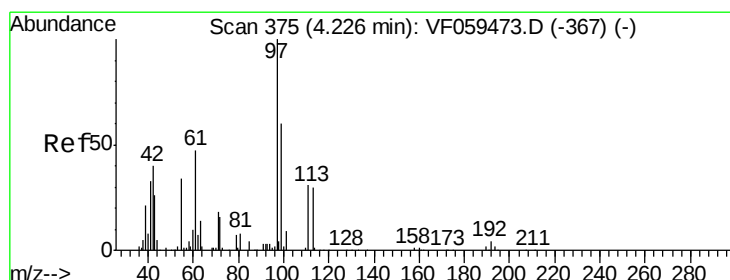
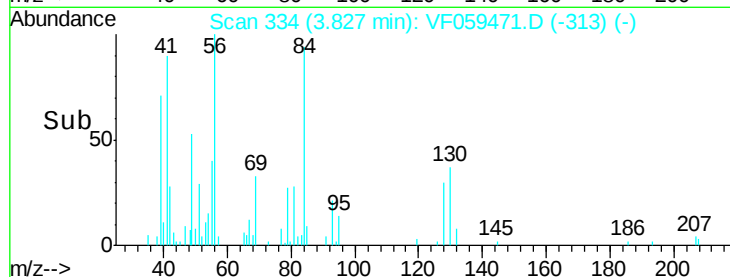
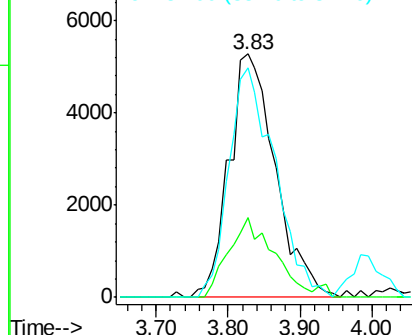
56 100

69 32.9 26.2 39.2

84 94.3 72.3 108.5



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 11.383 ug/l

RT: 4.23 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

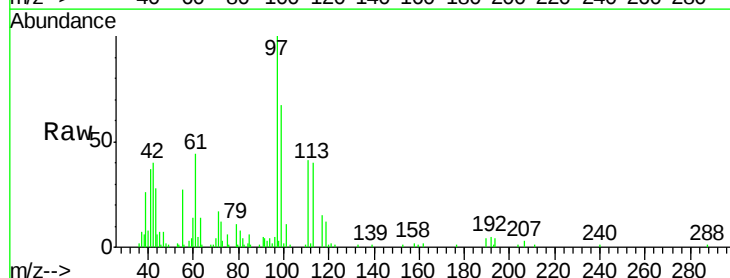
Tgt Ion: 97 Resp: 45671

Ion Ratio Lower Upper

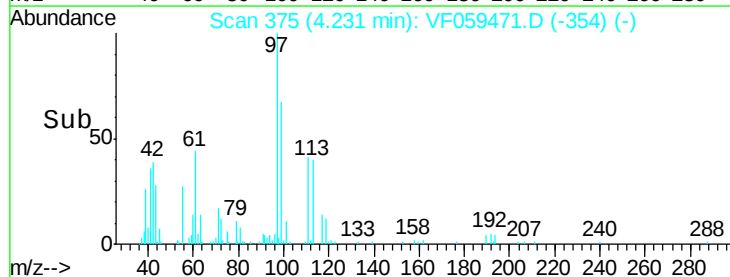
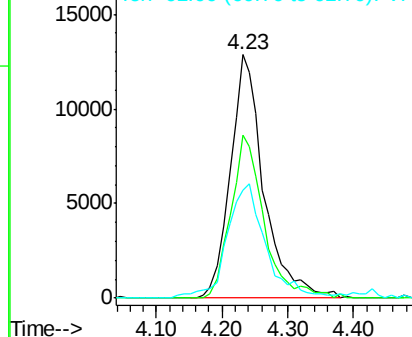
97 100

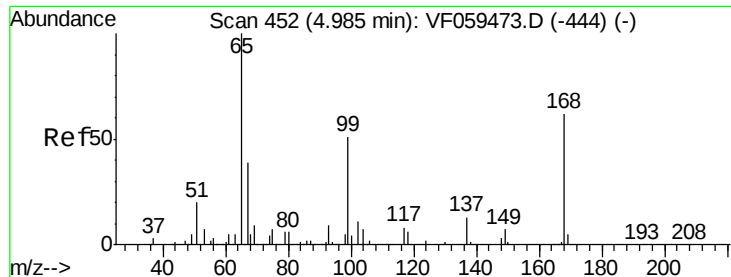
99 67.0 47.8 71.6

61 44.4 37.9 56.9



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 11.948 ug/l

RT: 4.98 min Scan# 451

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

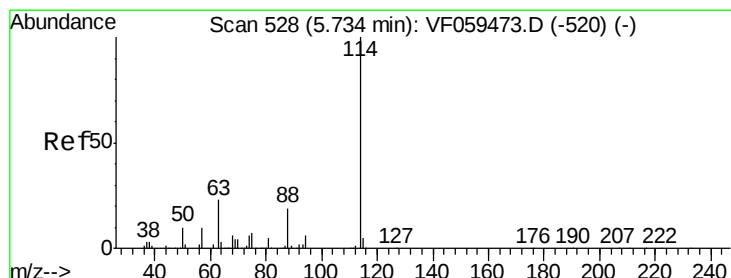
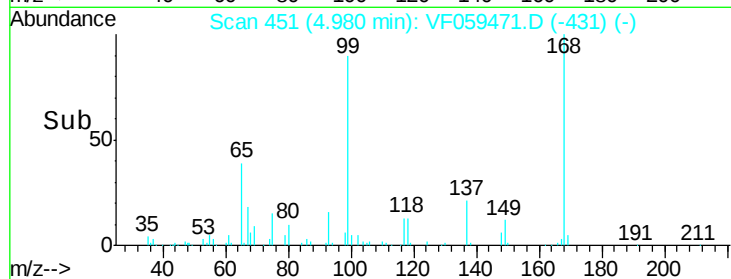
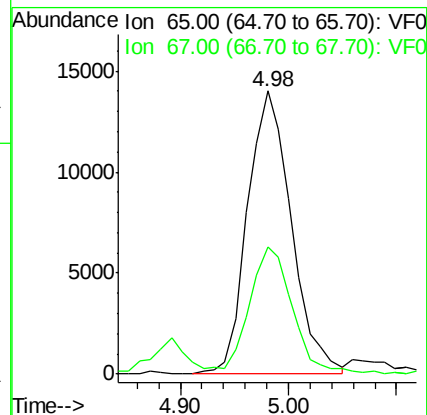
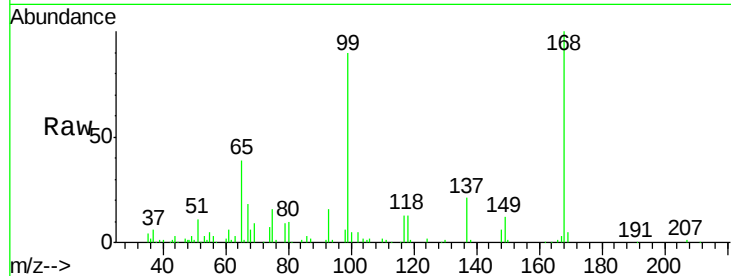
VSTDIC010

Tgt Ion: 65 Resp: 39719

Ion Ratio Lower Upper

65 100

67 45.1 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: VF059471.D

Acq: 7 Jul 2018 2:32

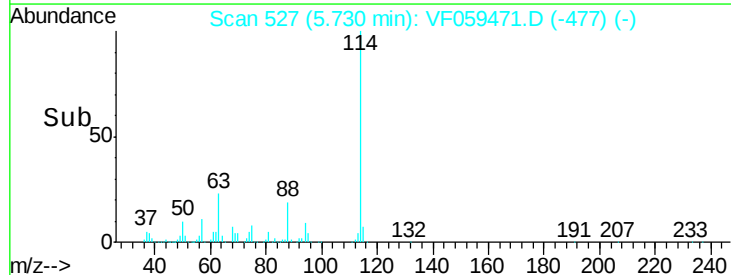
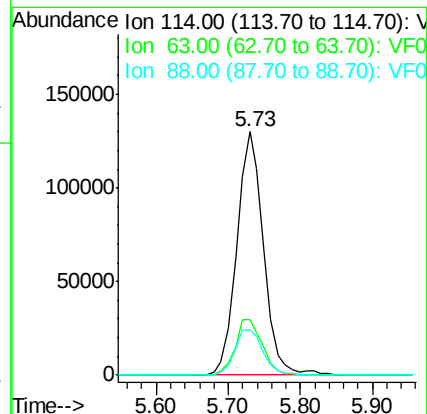
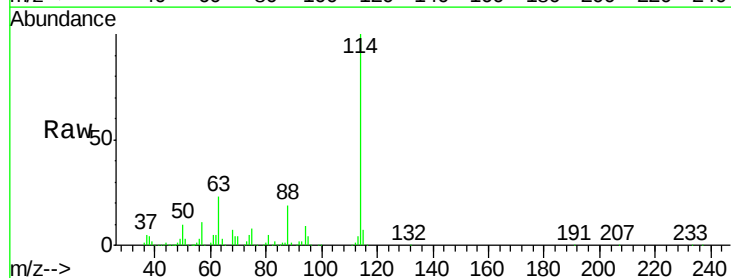
Tgt Ion: 114 Resp: 334598

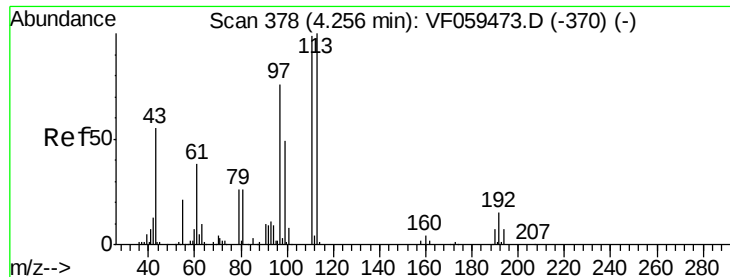
Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.2

88 18.5 0.0 38.0





#35

Dibromofluoromethane

Concen: 12.548 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

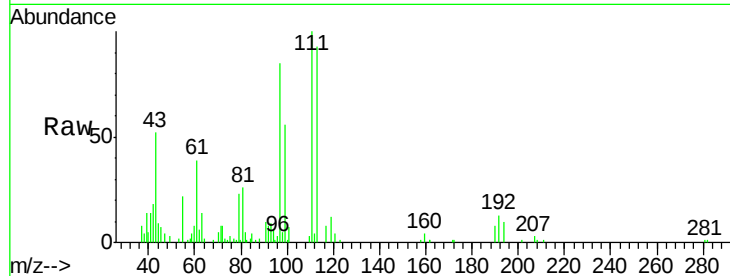
Tgt Ion:113 Resp: 32375

Ion Ratio Lower Upper

113 100

111 107.0 79.3 118.9

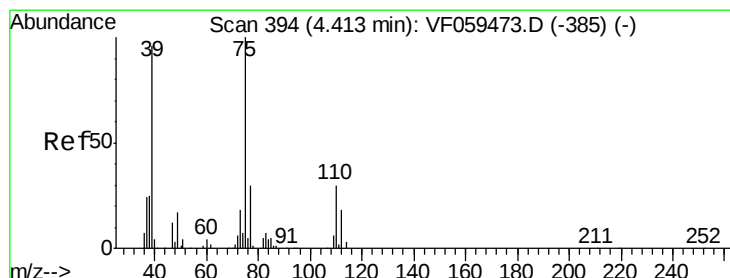
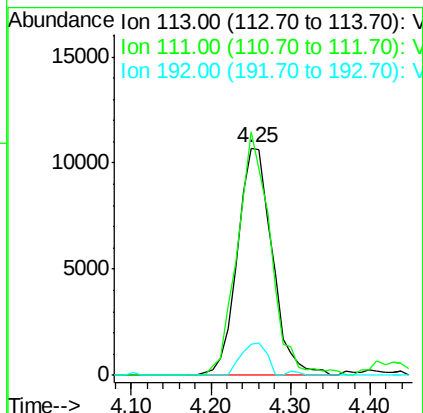
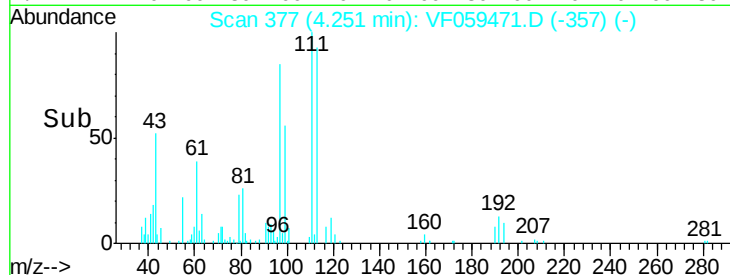
192 13.9 12.0 18.0



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: 10.996 ug/l

RT: 4.42 min Scan# 394

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

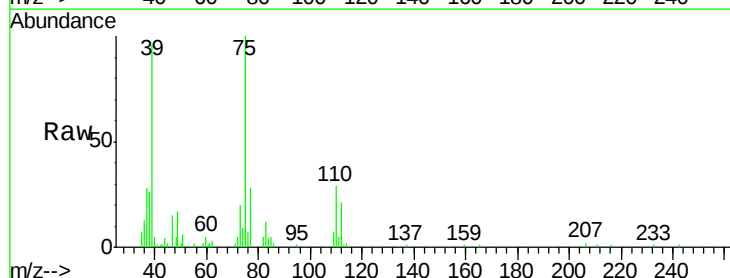
Tgt Ion: 75 Resp: 33584

Ion Ratio Lower Upper

75 100

110 29.2 15.2 45.5

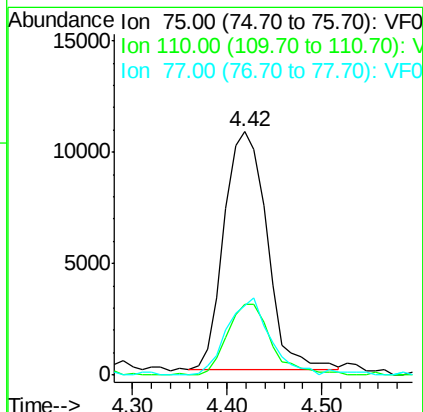
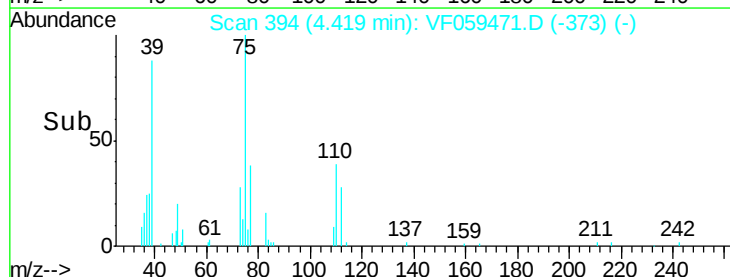
77 28.3 24.2 36.2

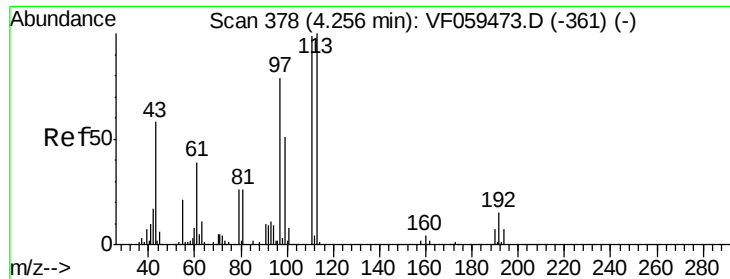


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

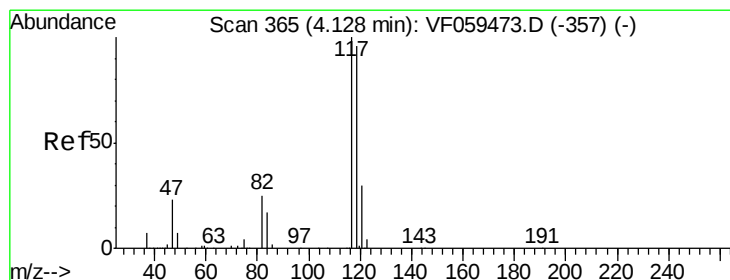
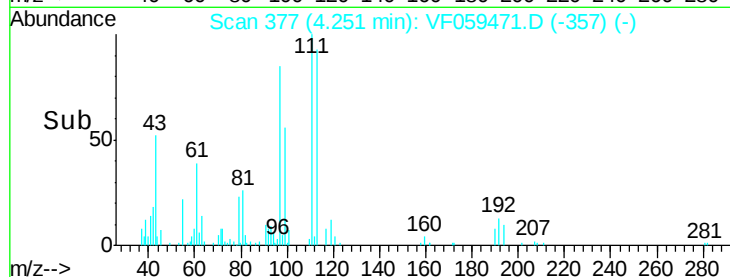
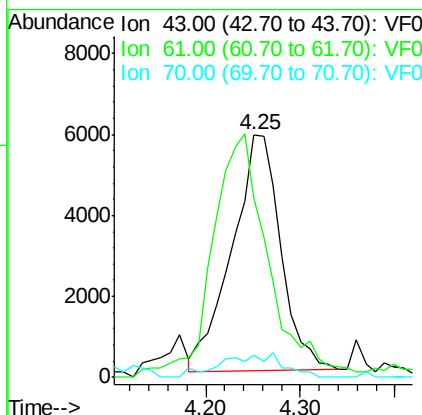
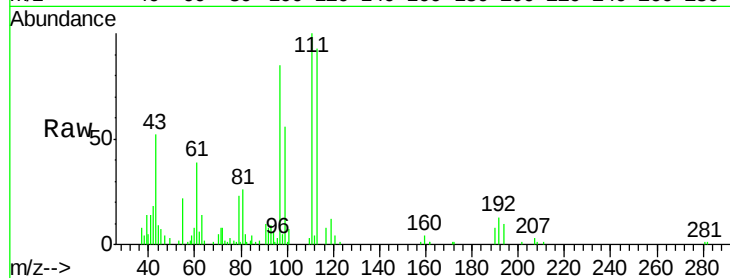




#37
Ethyl Acetate
Concen: 10.075 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.00 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

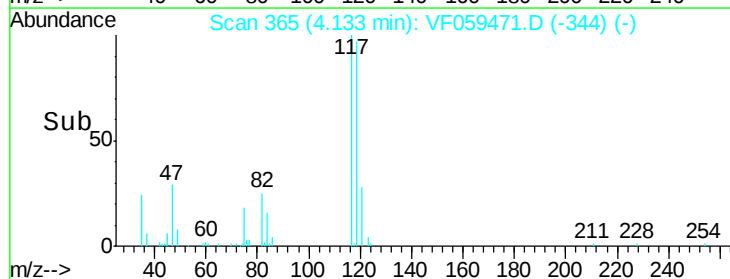
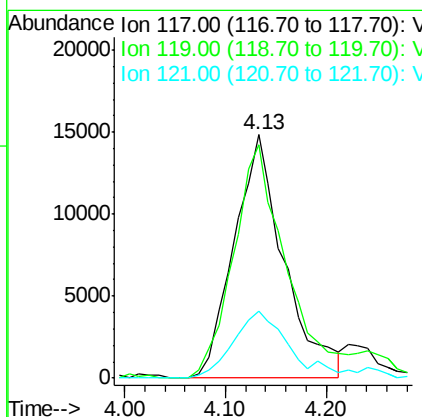
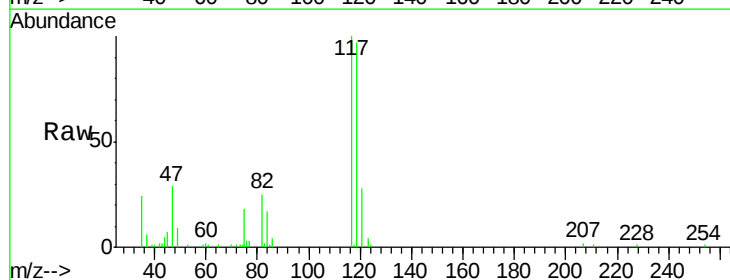
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

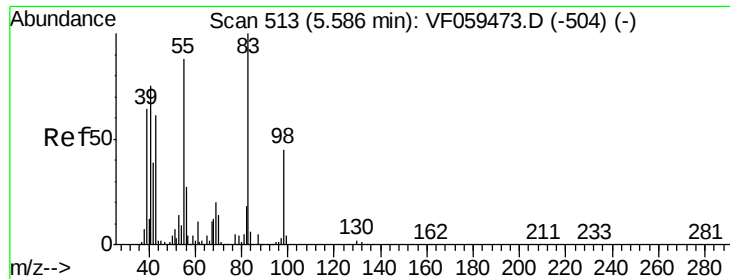
Tgt Ion: 43 Resp: 20827
Ion Ratio Lower Upper
43 100
61 73.9 54.2 81.4
70 9.2 7.0 10.6



#38
Carbon Tetrachloride
Concen: 13.045 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

Tgt Ion: 117 Resp: 51280
Ion Ratio Lower Upper
117 100
119 95.8 76.5 114.7
121 27.4 23.6 35.4

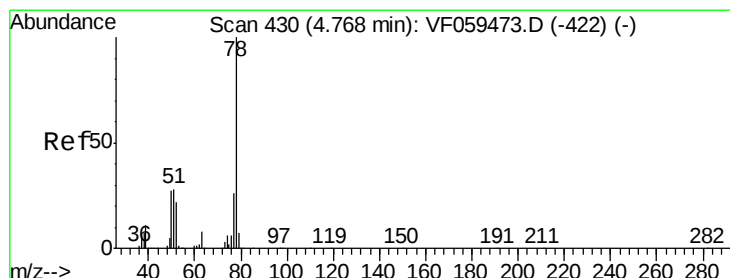
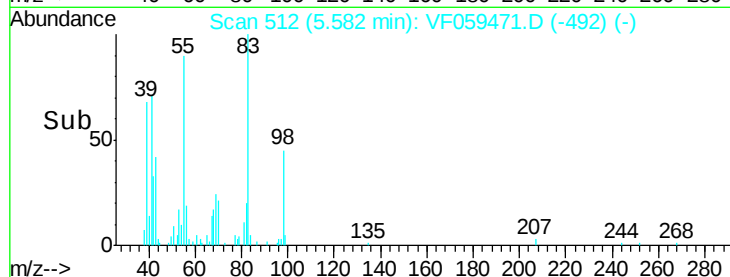
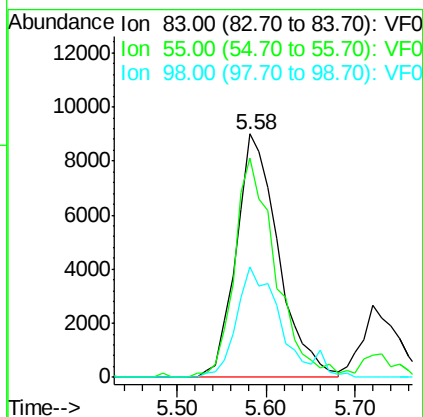
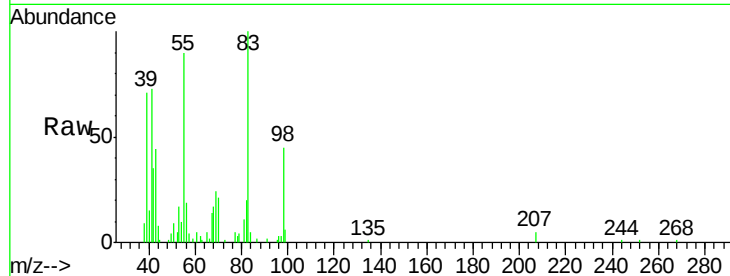




#39
Methylcyclohexane
Concen: 10.938 ug/l
RT: 5.58 min Scan# 512
Delta R.T. -0.00 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

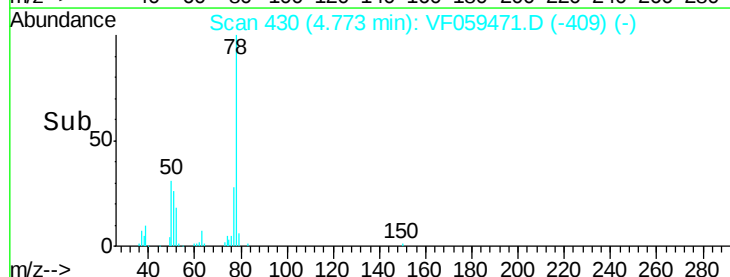
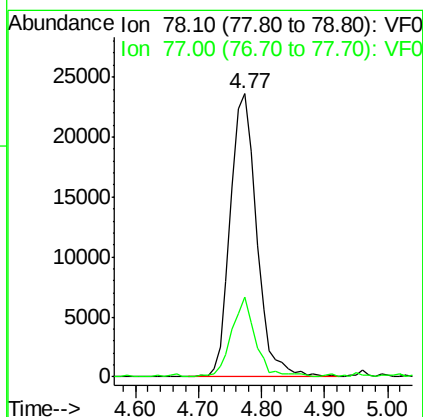
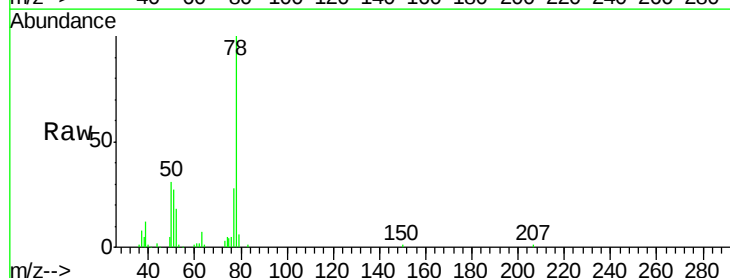
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

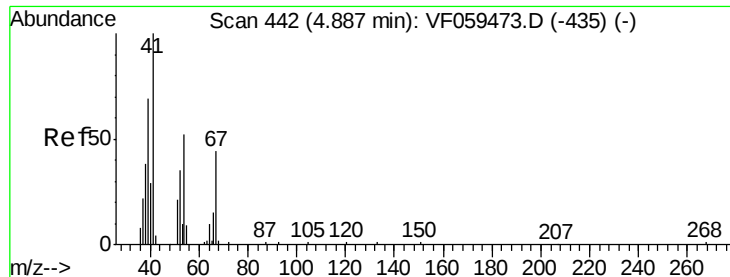
Tgt Ion: 83 Resp: 29635
Ion Ratio Lower Upper
83 100
55 90.2 70.6 105.8
98 45.3 36.3 54.5



#40
Benzene
Concen: 10.384 ug/l
RT: 4.77 min Scan# 430
Delta R.T. 0.01 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

Tgt Ion: 78 Resp: 68242
Ion Ratio Lower Upper
78 100
77 28.4 20.8 31.2





#41

Methacrylonitrile

Concen: 10.679 ug/l

RT: 4.88 min Scan# 441

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 10665

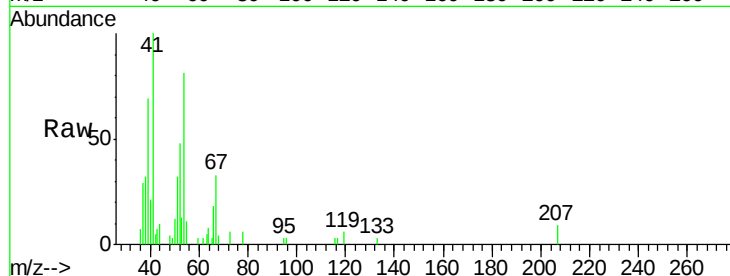
Ion Ratio Lower Upper

41 100

39 69.4 61.7 92.5

67 32.6 35.4 53.2#

52 47.5 37.4 56.2

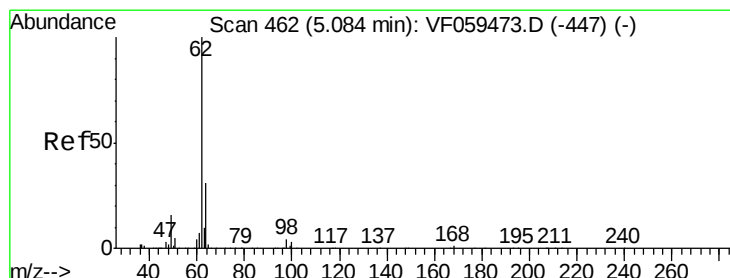
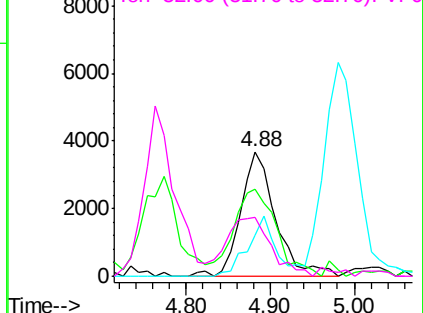
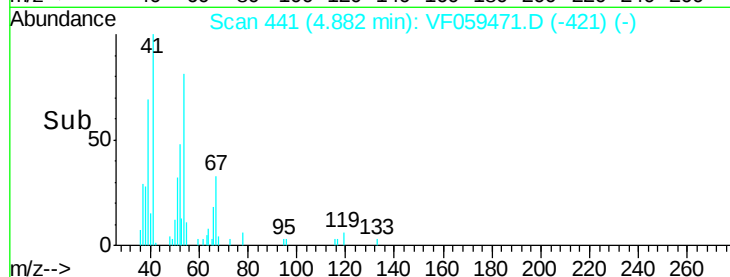


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 12.365 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.00 min

Lab File: VF059471.D

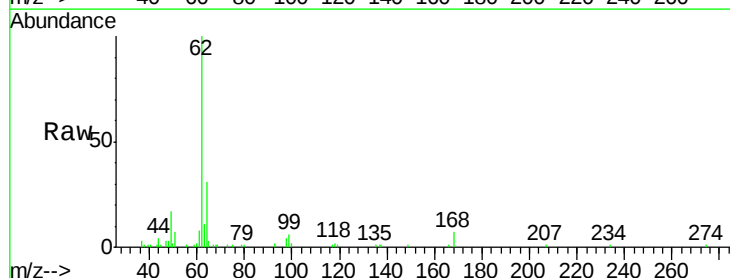
Acq: 7 Jul 2018 2:32

Tgt Ion: 62 Resp: 49469

Ion Ratio Lower Upper

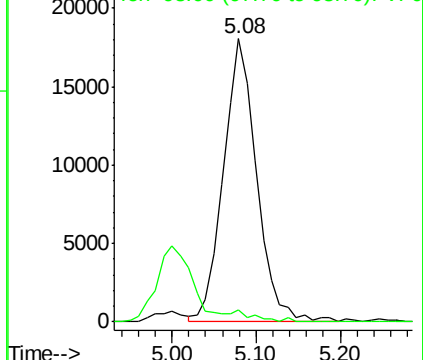
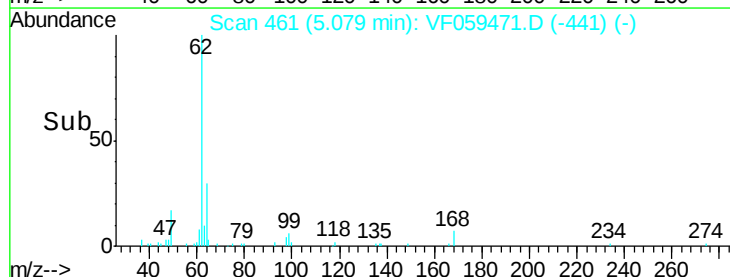
62 100

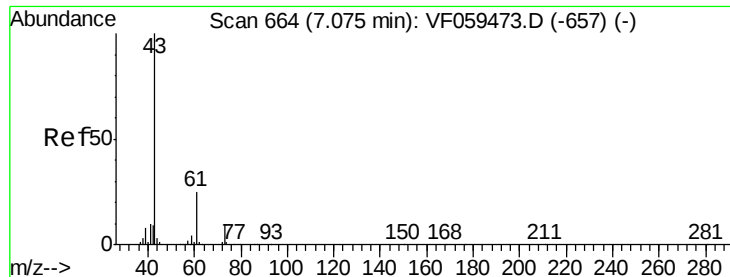
98 4.1 0.0 7.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 9.684 ug/l

RT: 7.08 min Scan# 664

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

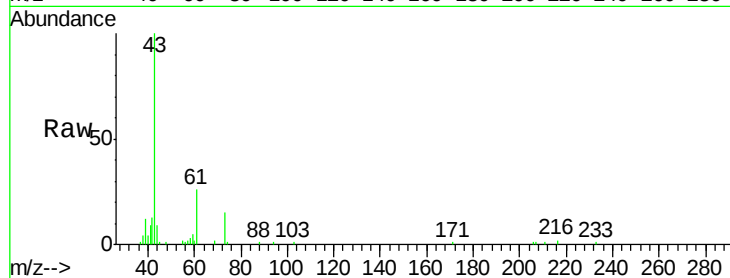
Tgt Ion: 43 Resp: 23484

Ion Ratio Lower Upper

43 100

61 25.6 20.3 30.5

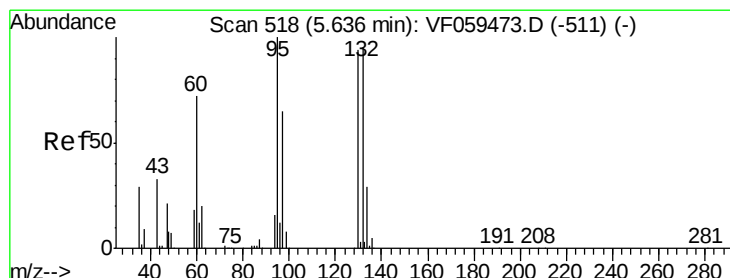
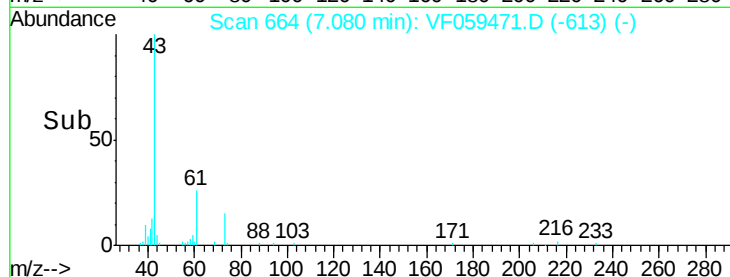
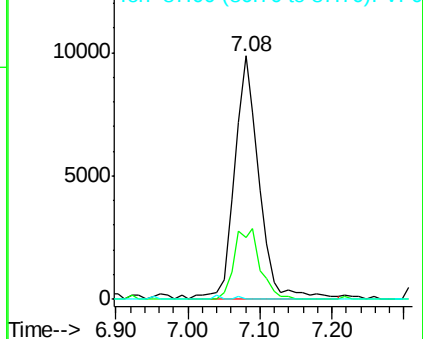
87 0.0 0.3 0.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 11.526 ug/l

RT: 5.64 min Scan# 518

Delta R.T. 0.01 min

Lab File: VF059471.D

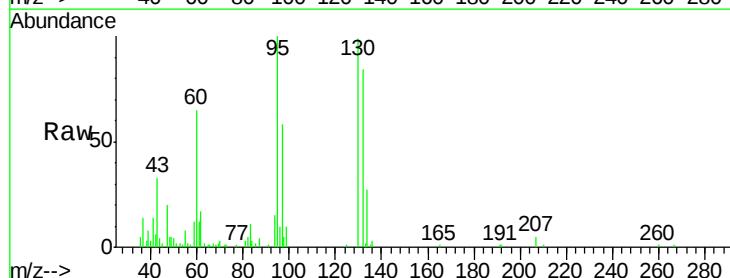
Acq: 7 Jul 2018 2:32

Tgt Ion:130 Resp: 26557

Ion Ratio Lower Upper

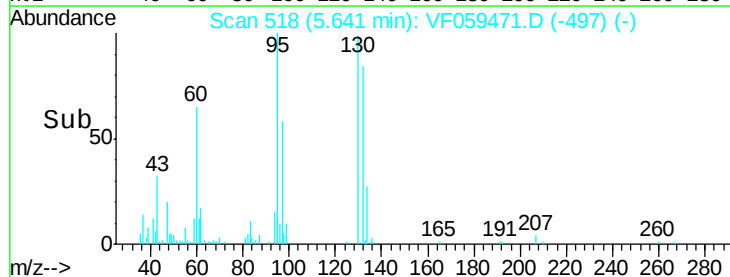
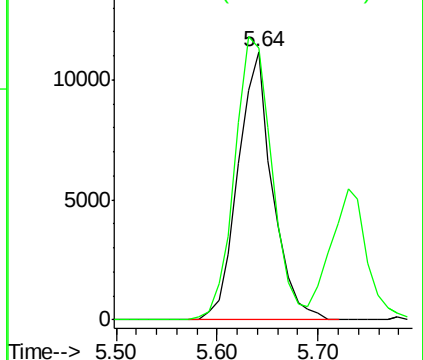
130 100

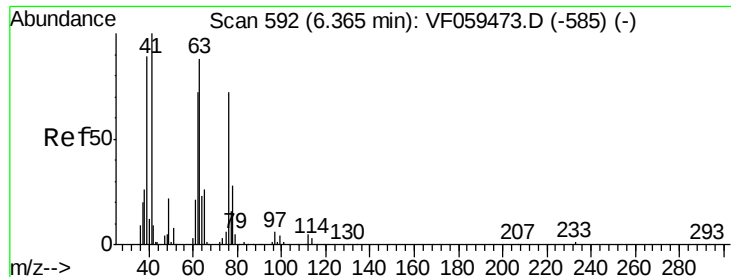
95 101.4 0.0 214.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 10.336 ug/l

RT: 6.36 min Scan# 591

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

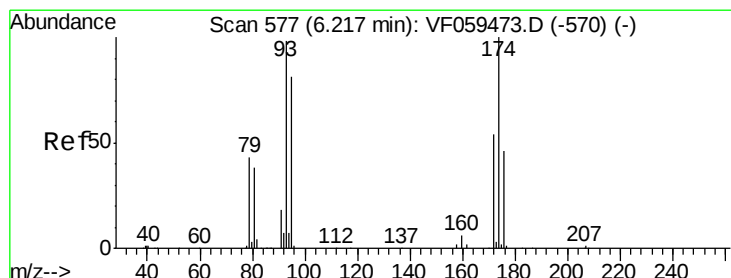
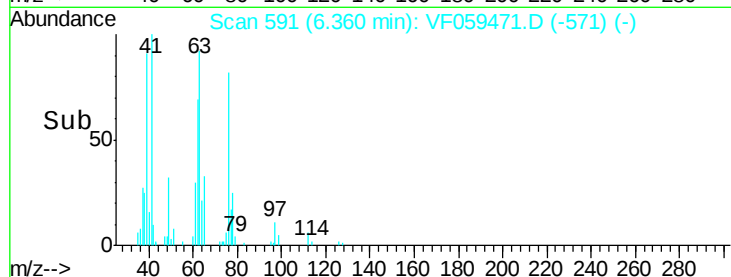
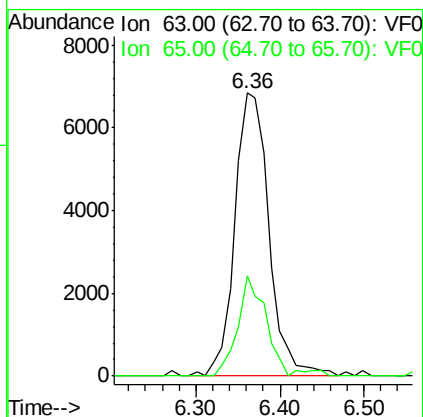
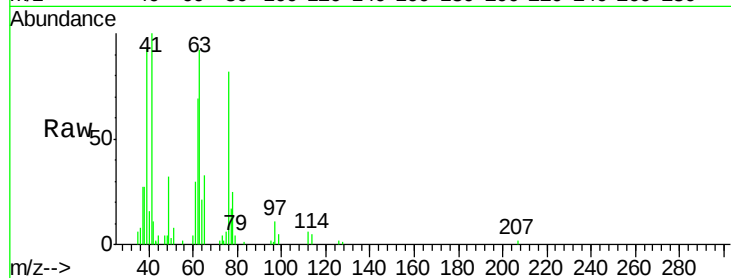
VSTDIC010

Tgt Ion: 63 Resp: 19341

Ion Ratio Lower Upper

63 100

65 35.5 23.5 35.3#



#46

Dibromomethane

Concen: 10.563 ug/l

RT: 6.22 min Scan# 577

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

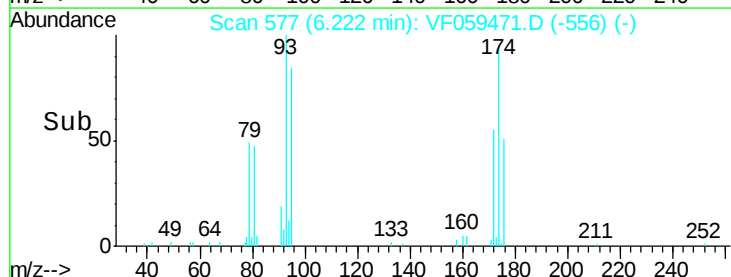
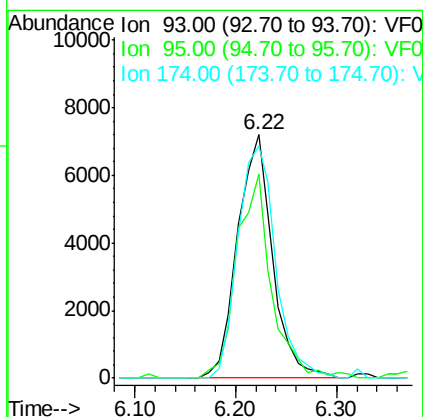
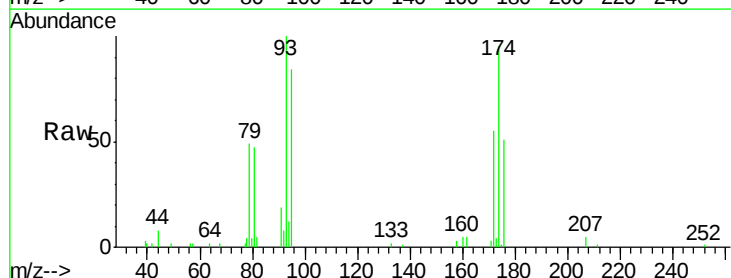
Tgt Ion: 93 Resp: 17415

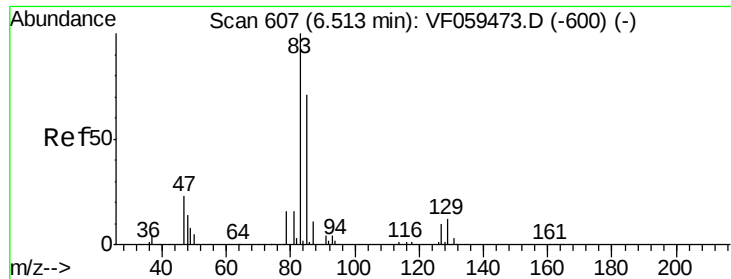
Ion Ratio Lower Upper

93 100

95 84.0 65.9 98.9

174 95.1 83.2 124.8





#47

Bromodichloromethane

Concen: 11.777 ug/l

RT: 6.51 min Scan# 606

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

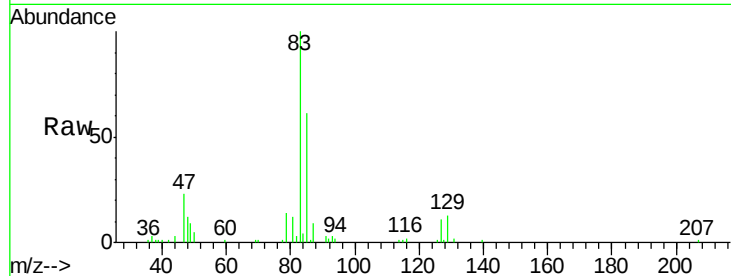
Tgt Ion: 83 Resp: 47273

Ion Ratio Lower Upper

83 100

85 61.1 56.6 84.8

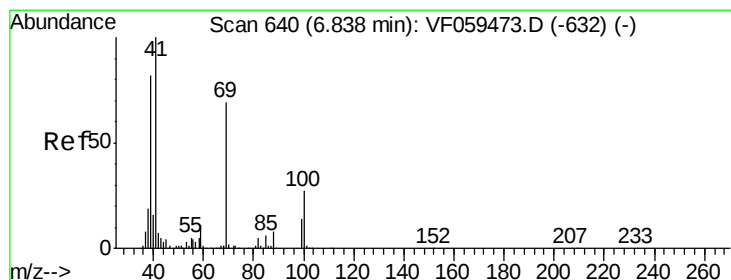
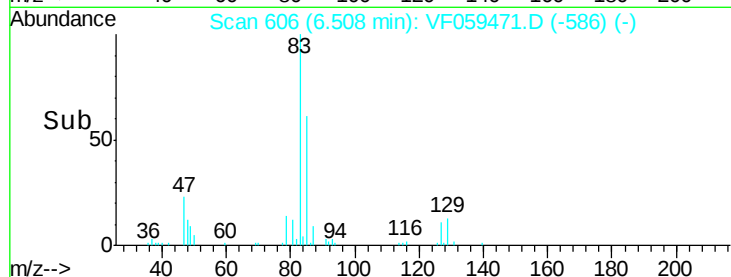
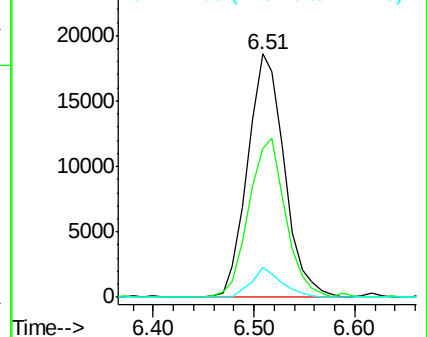
127 12.0 8.1 12.1



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: 8.907 ug/l

RT: 6.84 min Scan# 640

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

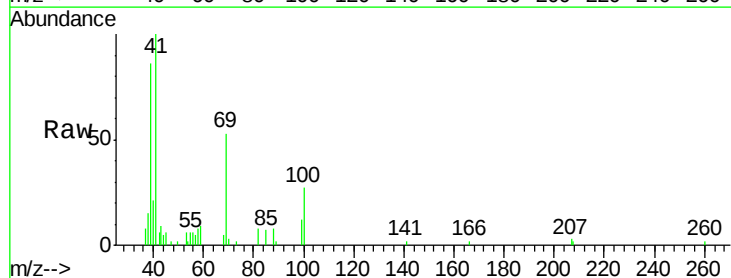
Tgt Ion: 41 Resp: 14709

Ion Ratio Lower Upper

41 100

69 52.7 55.6 83.4#

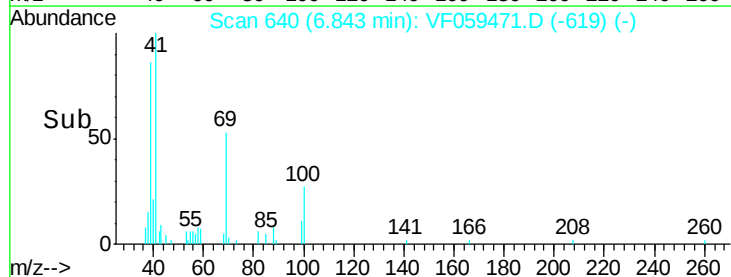
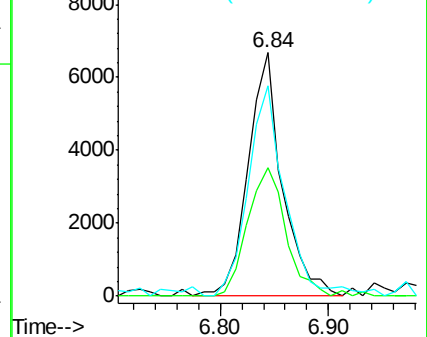
39 86.4 66.0 99.0

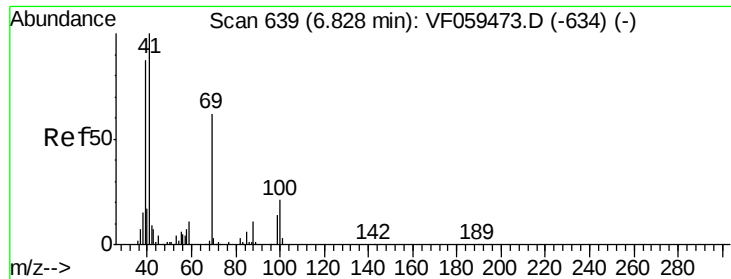


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 122.480 ug/l

RT: 6.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

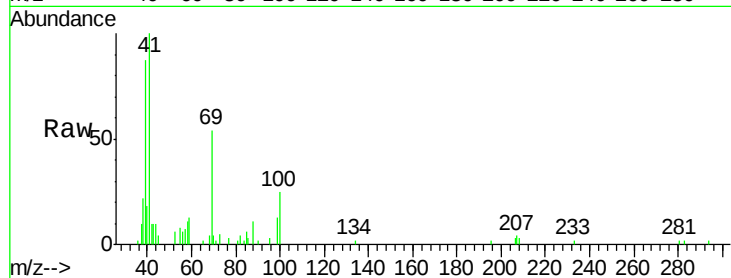
Tgt Ion: 88 Resp: 1219

Ion Ratio Lower Upper

88 100

43 89.5 57.3 85.9#

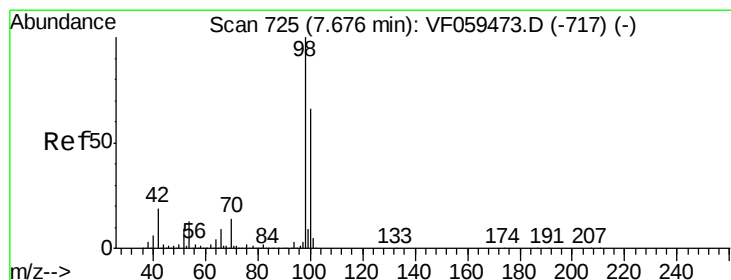
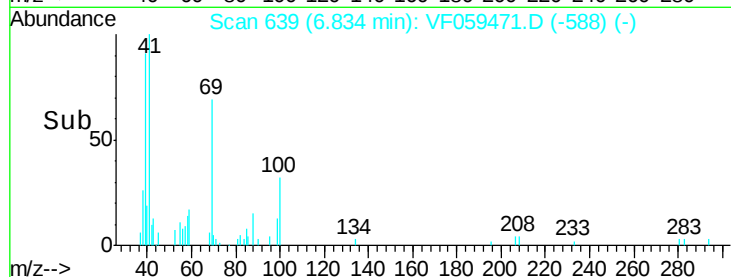
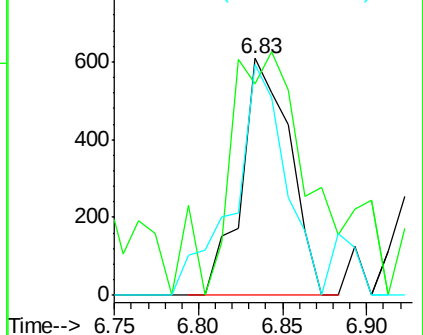
58 97.4 54.6 81.8#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 11.517 ug/l

RT: 7.67 min Scan# 724

Delta R.T. -0.00 min

Lab File: VF059471.D

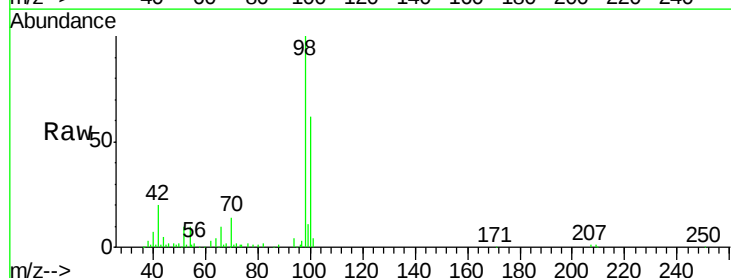
Acq: 7 Jul 2018 2:32

Tgt Ion: 98 Resp: 73053

Ion Ratio Lower Upper

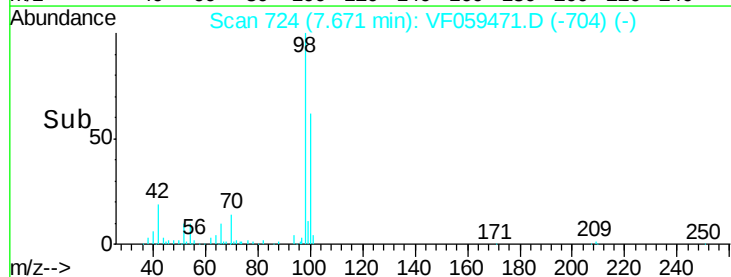
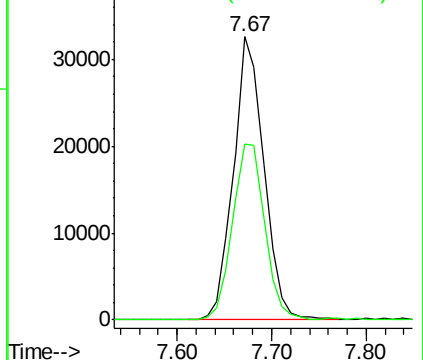
98 100

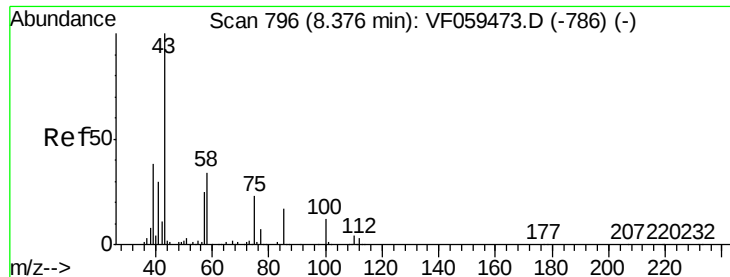
100 62.2 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 55.027 ug/l

RT: 8.37 min Scan# 795

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

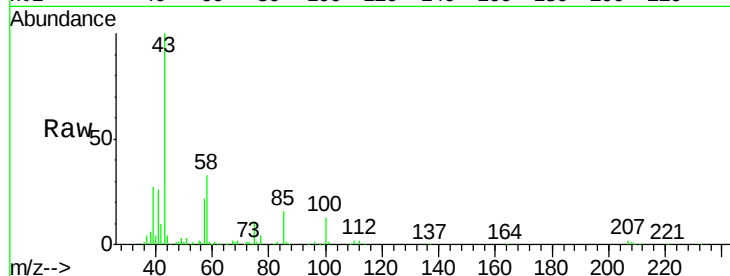
VSTDIC010

Tgt Ion: 43 Resp: 99494

Ion Ratio Lower Upper

43 100

58 32.8 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.37

50000

40000

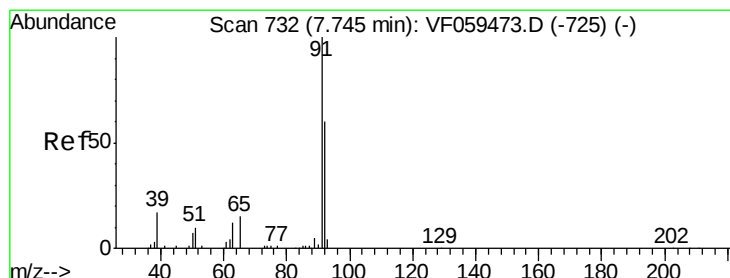
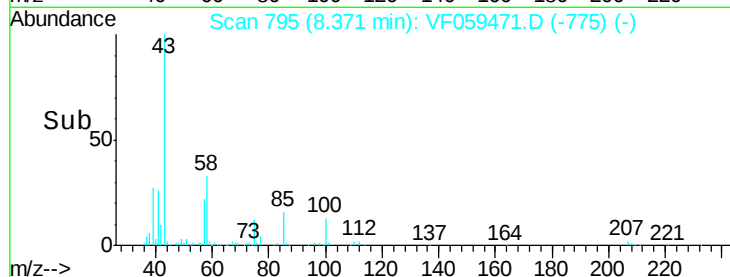
30000

20000

10000

0

Time--> 8.20 8.30 8.40 8.50



#52

Toluene

Concen: 10.770 ug/l

RT: 7.74 min Scan# 731

Delta R.T. -0.00 min

Lab File: VF059471.D

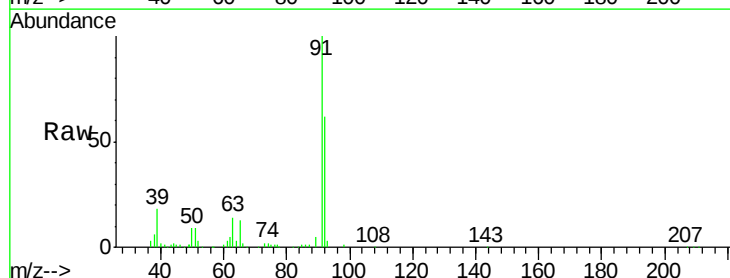
Acq: 7 Jul 2018 2:32

Tgt Ion: 92 Resp: 53323

Ion Ratio Lower Upper

92 100

91 161.0 134.3 201.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.74

40000

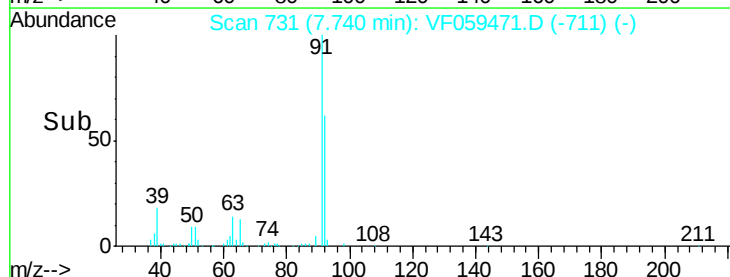
30000

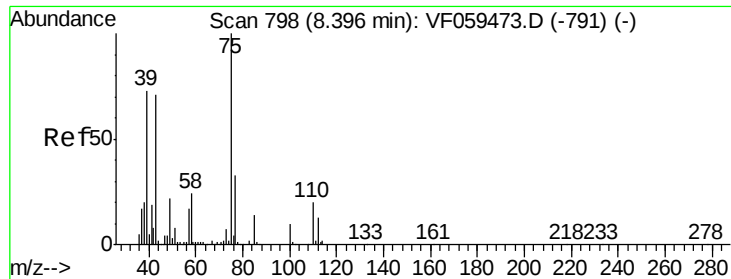
20000

10000

0

Time--> 7.60 7.70 7.80 7.90

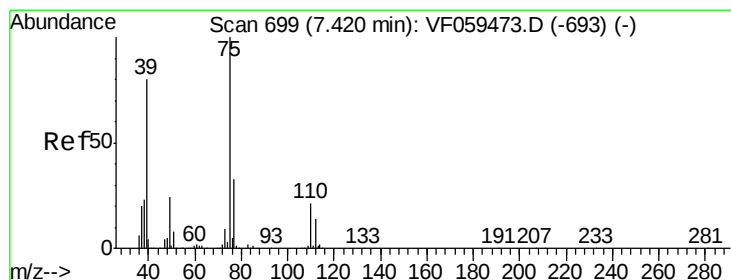
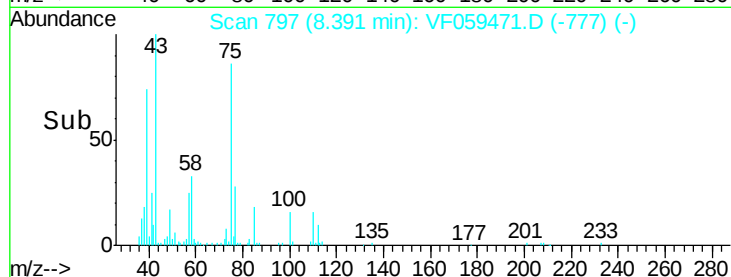
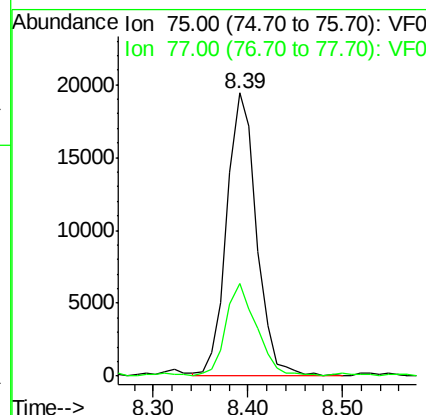
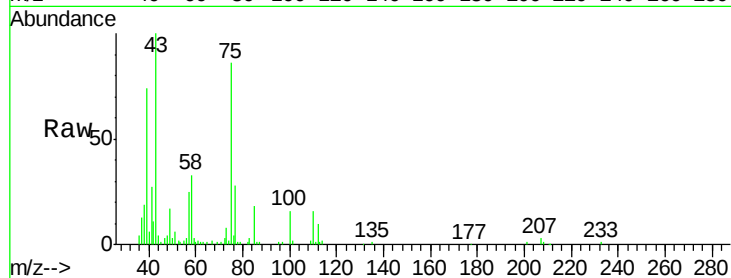




#53
 t-1,3-Dichloropropene
 Concen: 11.706 ug/l
 RT: 8.39 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

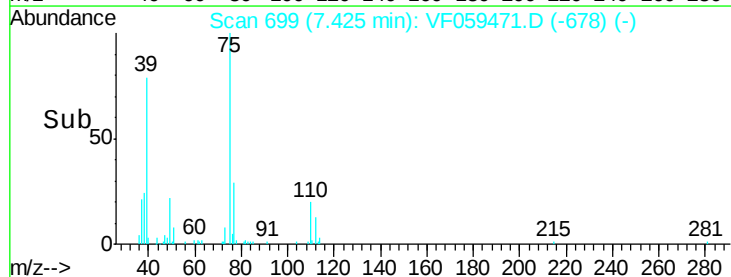
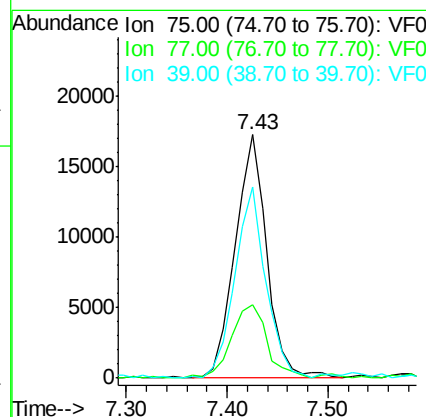
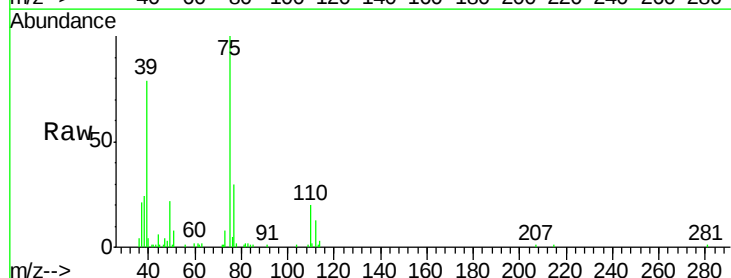
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

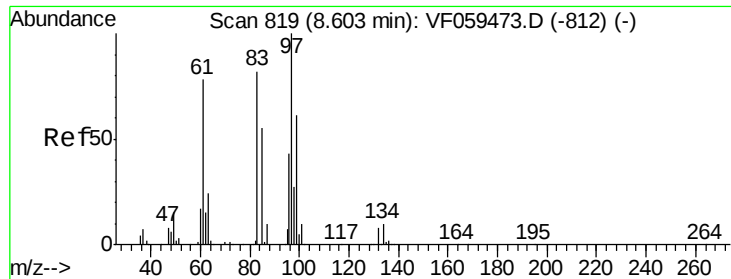
Tgt Ion: 75 Resp: 42540
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.4 39.6



#54
 cis-1,3-Dichloropropene
 Concen: 9.663 ug/l
 RT: 7.43 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

Tgt Ion: 75 Resp: 37604
 Ion Ratio Lower Upper
 75 100
 77 30.1 26.2 39.4
 39 78.7 64.5 96.7

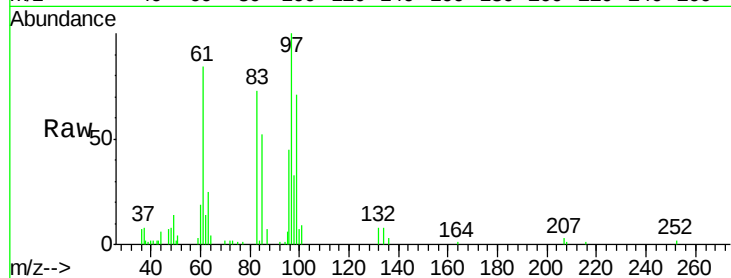




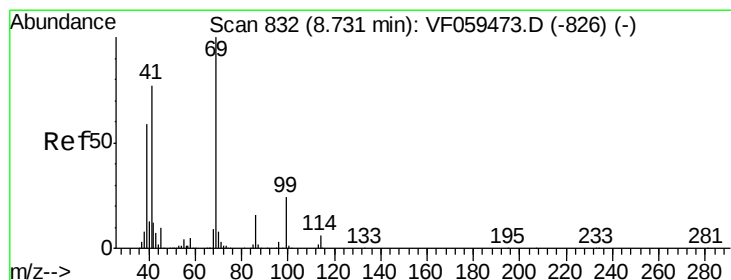
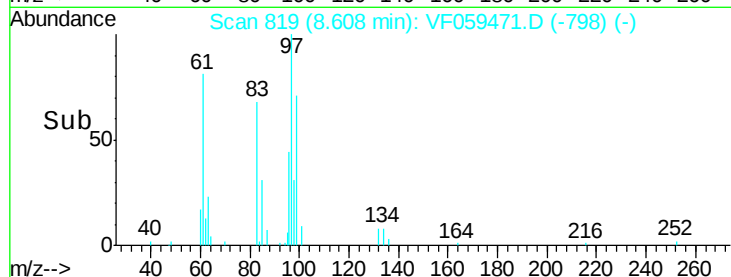
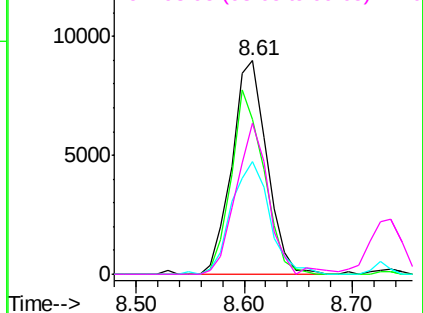
#55
1,1,2-Trichloroethane
Concen: 10.599 ug/l
RT: 8.61 min Scan# 819
Delta R.T. 0.01 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion:	97	Resp:	20251
Ion	Ratio	Lower	Upper
97	100		
83	72.5	65.7	98.5
85	52.5	43.8	65.6
99	70.8	48.5	72.7

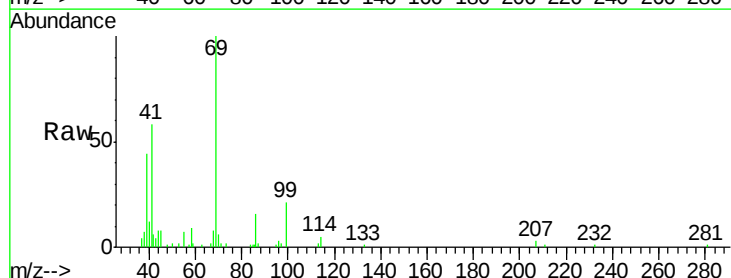


Abundance Ion 97.00 (96.70 to 97.70): VF0

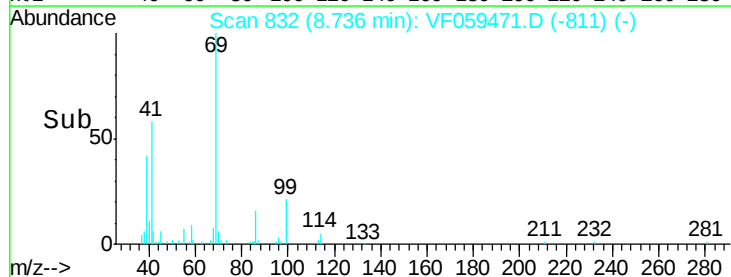
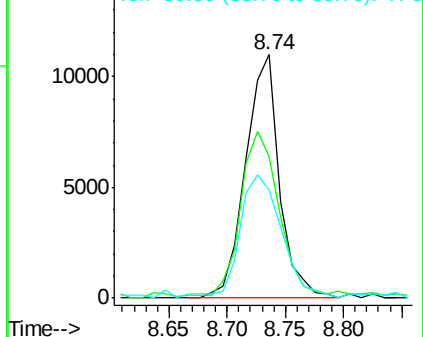


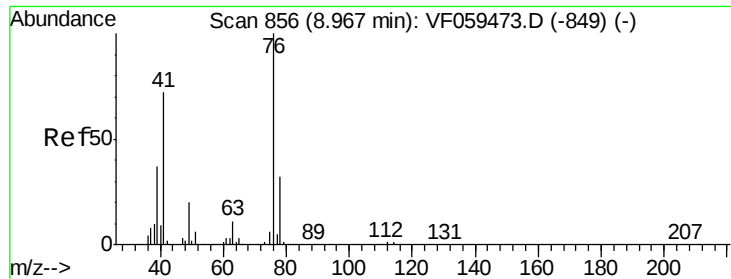
#56
Ethyl methacrylate
Concen: 9.503 ug/l
RT: 8.74 min Scan# 832
Delta R.T. 0.01 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

Tgt Ion:	69	Resp:	22101
Ion	Ratio	Lower	Upper
69	100		
41	58.1	62.2	93.4#
39	44.3	47.7	71.5#



Abundance Ion 69.00 (68.70 to 69.70): VF0





#57

1,3-Dichloropropane

Concen: 10.461 ug/l

RT: 8.96 min Scan# 855

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

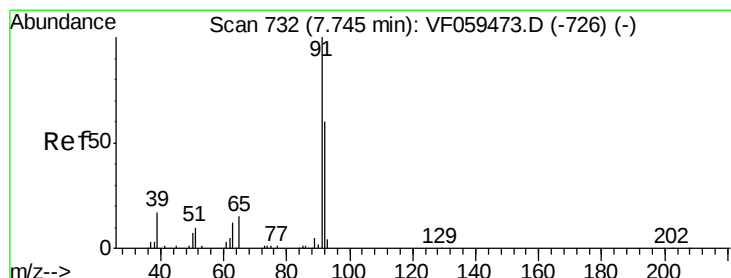
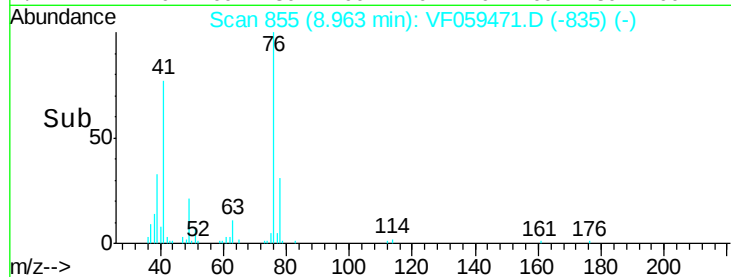
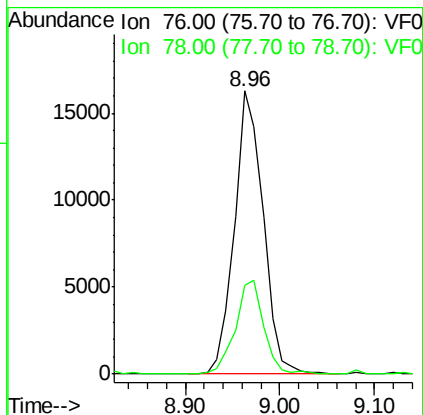
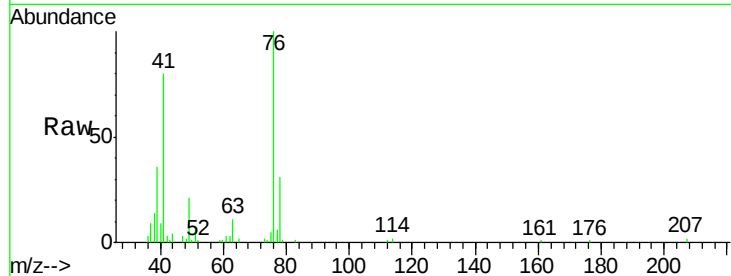
VSTDIC010

Tgt Ion: 76 Resp: 34299

Ion Ratio Lower Upper

76 100

78 31.2 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 62.126 ug/l

RT: 7.74 min Scan# 731

Delta R.T. -0.00 min

Lab File: VF059471.D

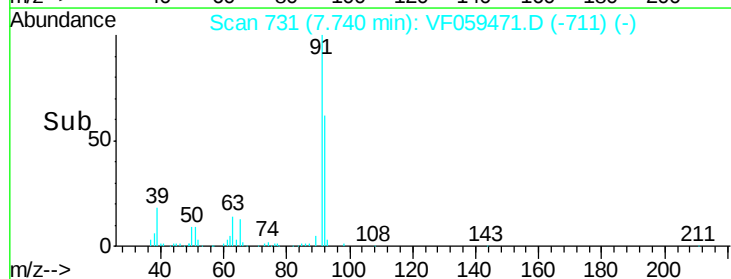
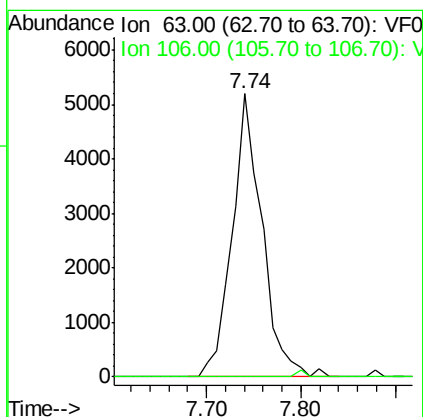
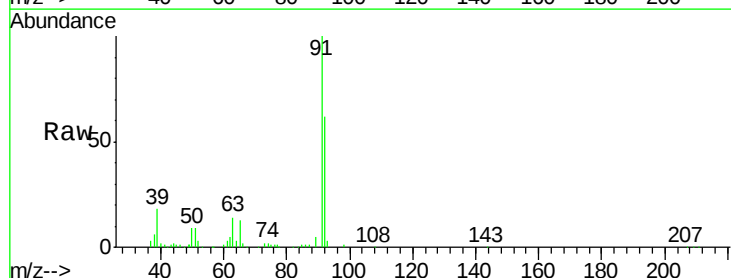
Acq: 7 Jul 2018 2:32

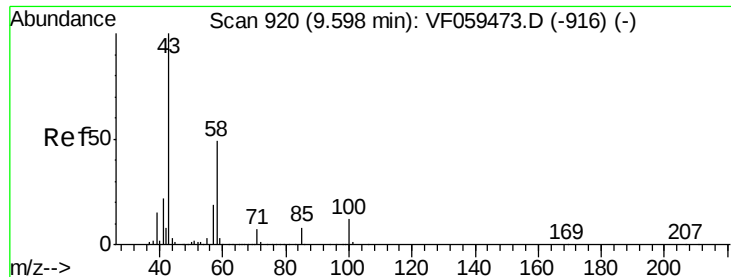
Tgt Ion: 63 Resp: 11399

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

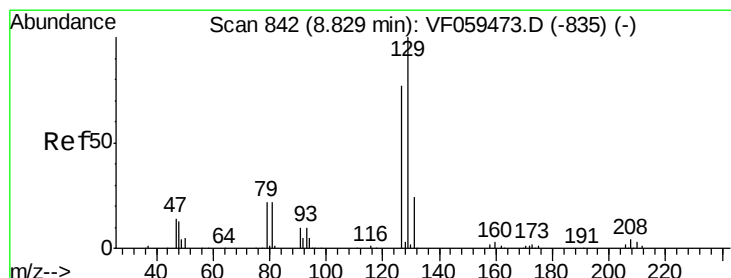
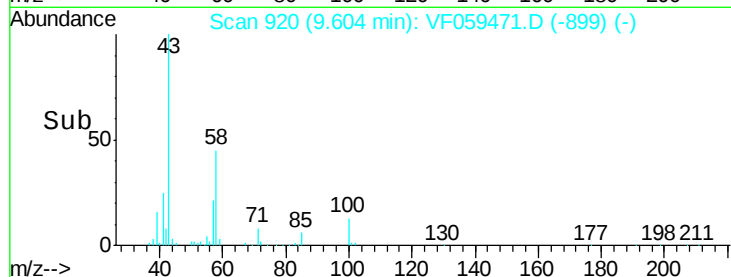
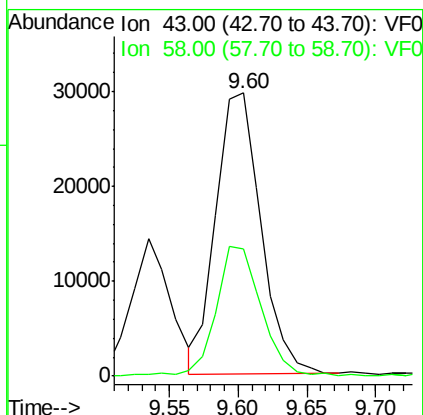
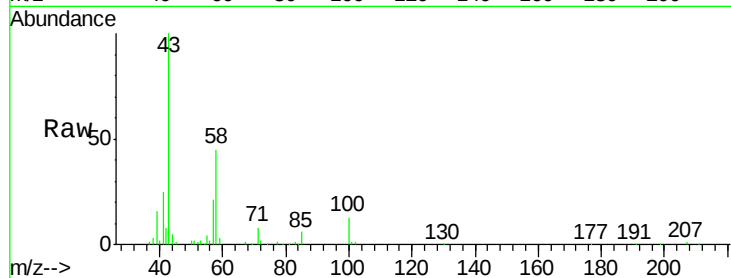




#59
2-Hexanone
Concen: 45.176 ug/l
RT: 9.60 min Scan# 920
Delta R.T. 0.01 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

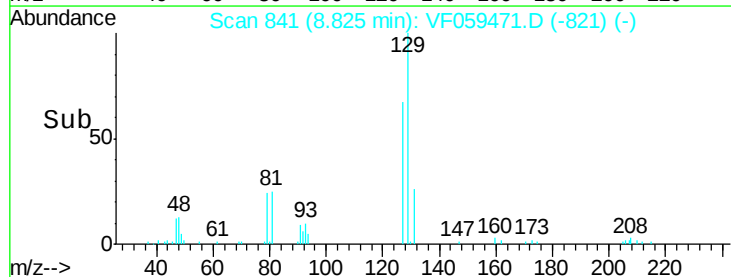
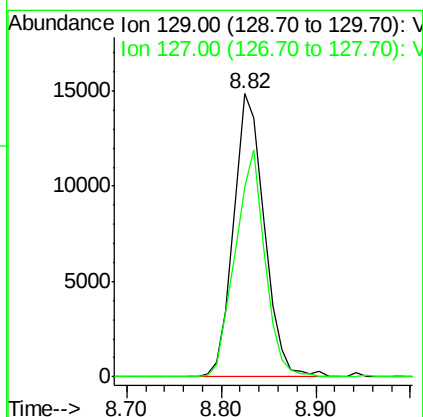
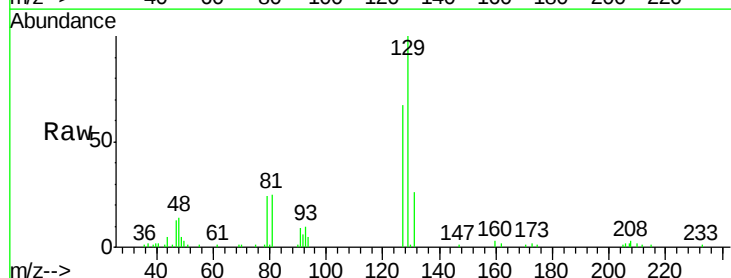
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

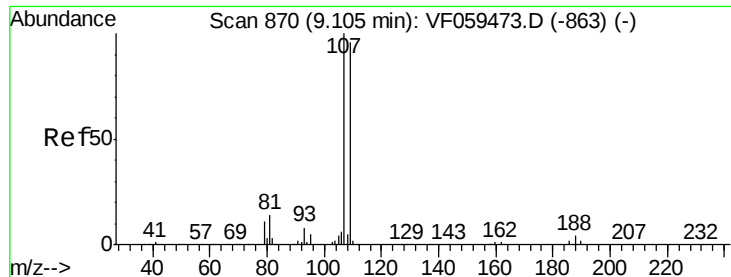
Tgt Ion: 43 Resp: 67359
Ion Ratio Lower Upper
43 100
58 45.1 22.4 67.2



#60
Dibromochloromethane
Concen: 11.247 ug/l
RT: 8.82 min Scan# 841
Delta R.T. -0.00 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

Tgt Ion: 129 Resp: 33507
Ion Ratio Lower Upper
129 100
127 67.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 11.164 ug/l

RT: 9.10 min Scan# 869

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

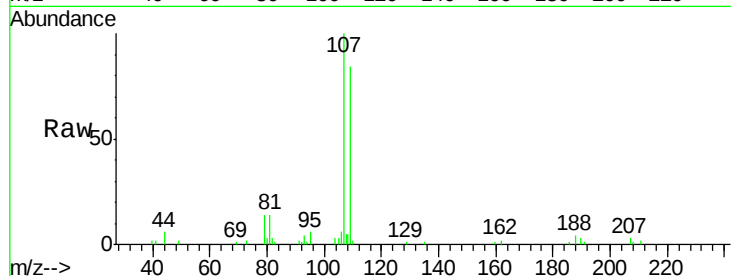
VSTDIC010

Tgt Ion: 107 Resp: 25945

Ion Ratio Lower Upper

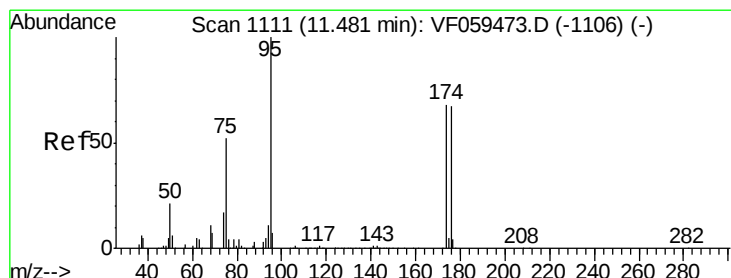
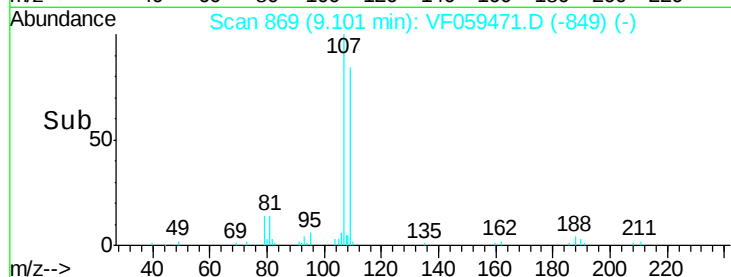
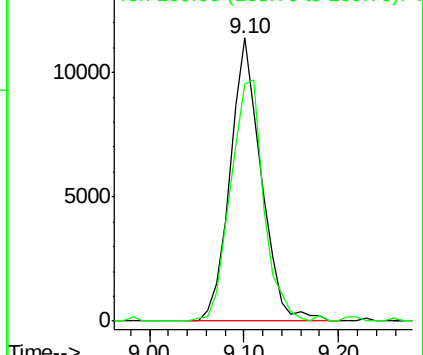
107 100

109 84.1 76.7 115.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 12.064 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

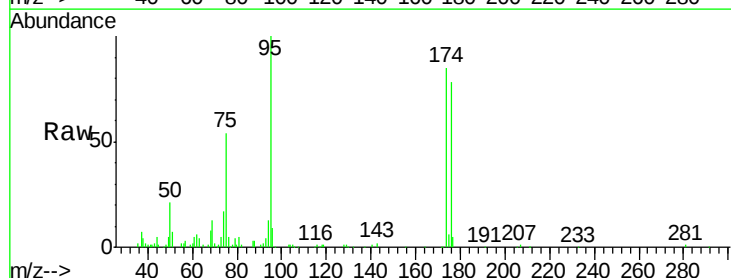
Tgt Ion: 95 Resp: 43253

Ion Ratio Lower Upper

95 100

174 84.7 0.0 137.0

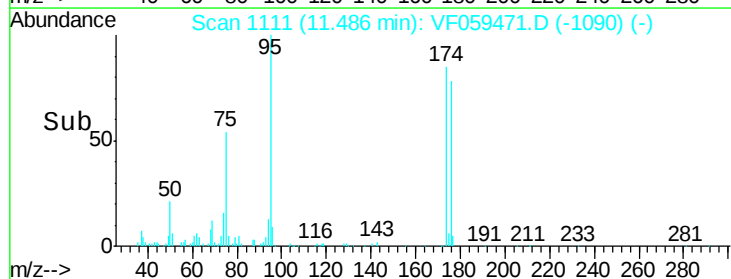
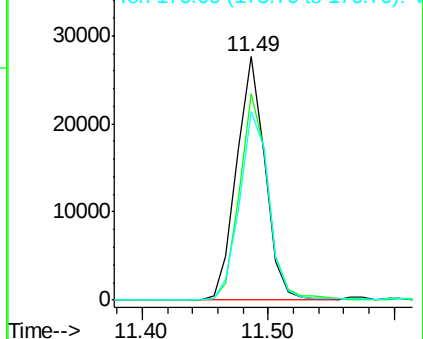
176 77.6 0.0 133.8

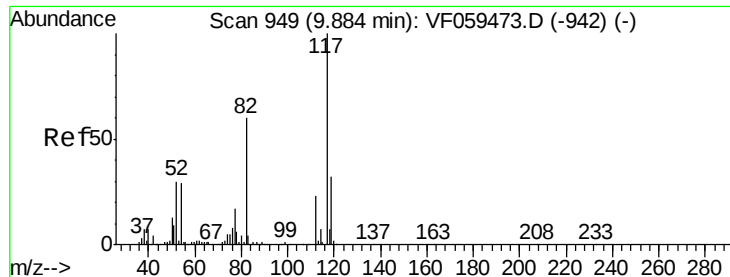


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

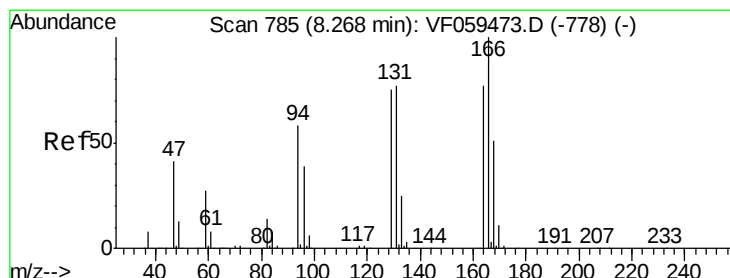
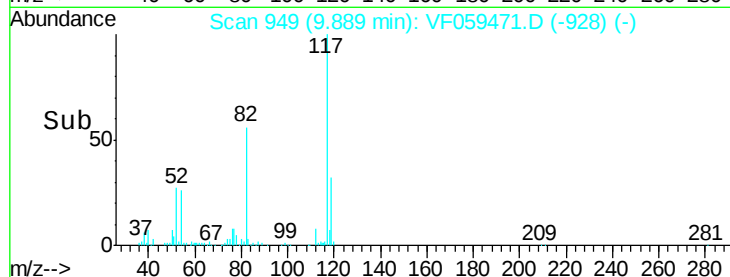
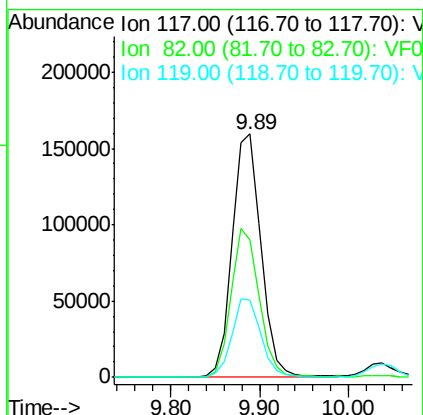
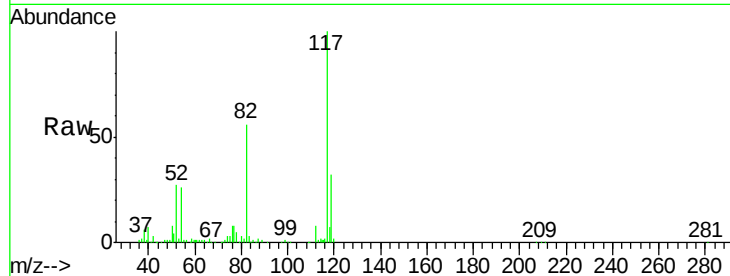




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 949
Delta R.T. 0.01 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

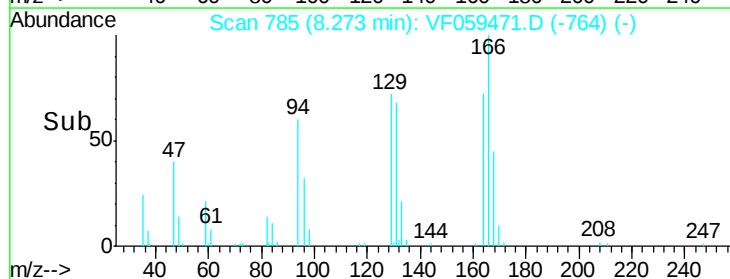
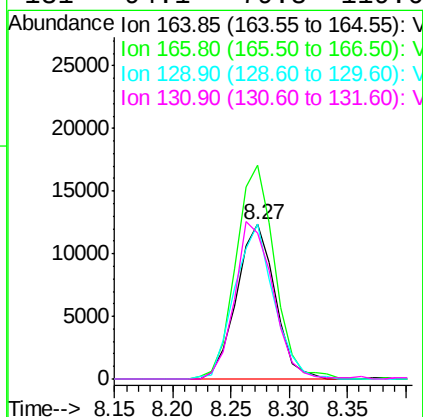
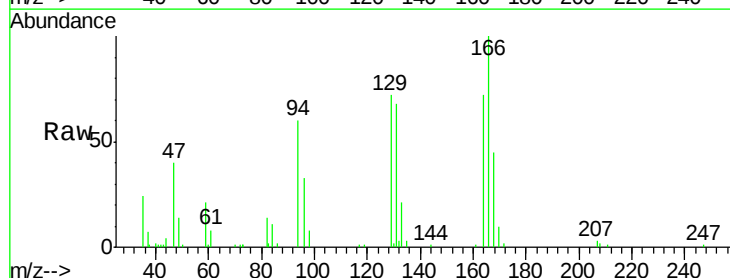
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

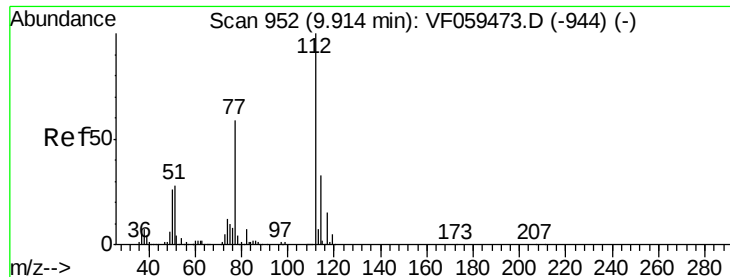
Tgt Ion:117 Resp: 362527
Ion Ratio Lower Upper
117 100
82 56.3 48.2 72.4
119 31.8 25.7 38.5



#64
Tetrachloroethene
Concen: 11.363 ug/l
RT: 8.27 min Scan# 785
Delta R.T. 0.01 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

Tgt Ion:164 Resp: 28265
Ion Ratio Lower Upper
164 100
166 138.1 103.5 155.3
129 99.8 77.6 116.4
131 94.1 79.8 119.6





#65

Chlorobenzene

Concen: 10.002 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

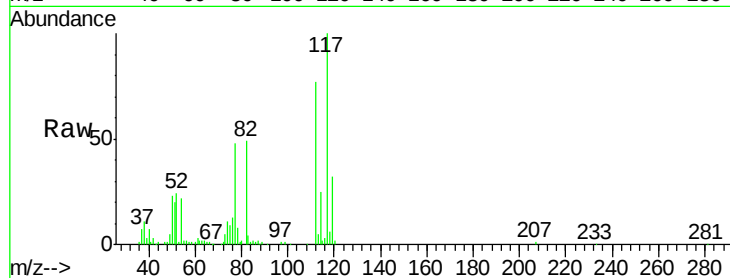
VSTDIC010

Tgt Ion:112 Resp: 68669

Ion Ratio Lower Upper

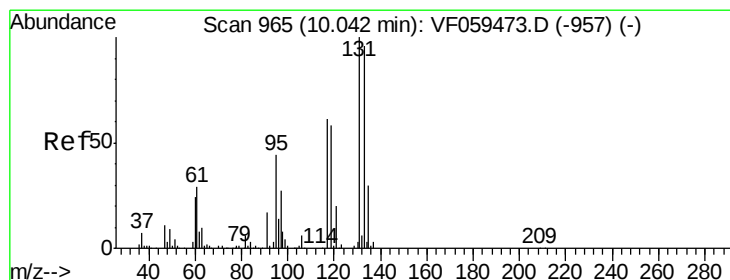
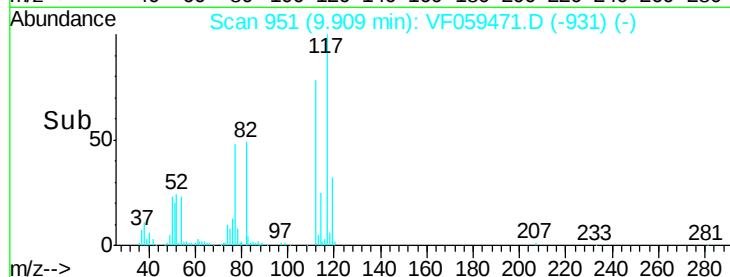
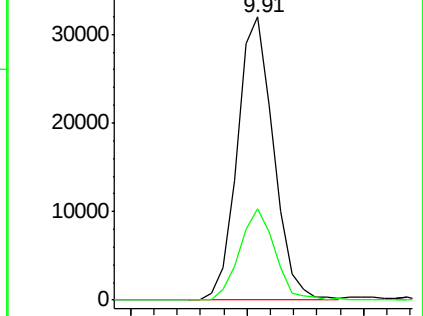
112 100

114 32.1 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: 11.120 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

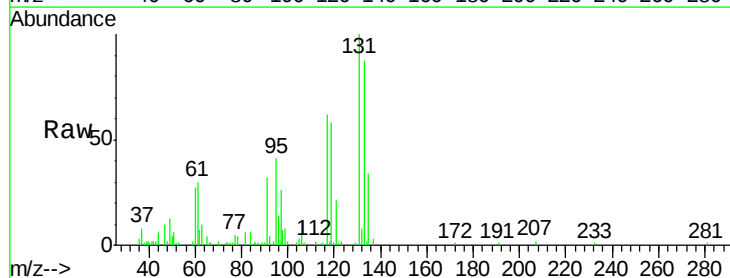
Tgt Ion:131 Resp: 33264

Ion Ratio Lower Upper

131 100

133 87.3 48.1 144.3

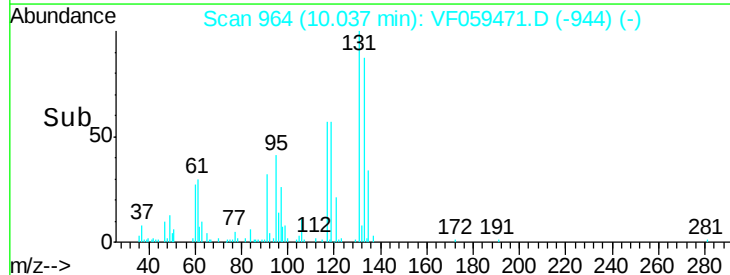
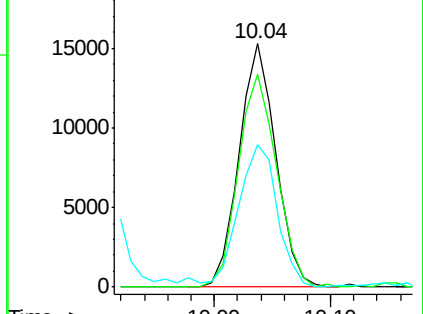
119 58.5 29.3 87.8

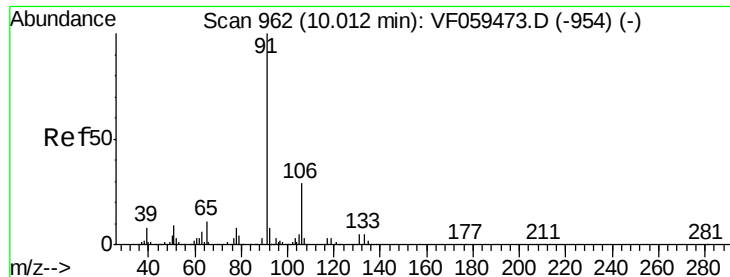


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

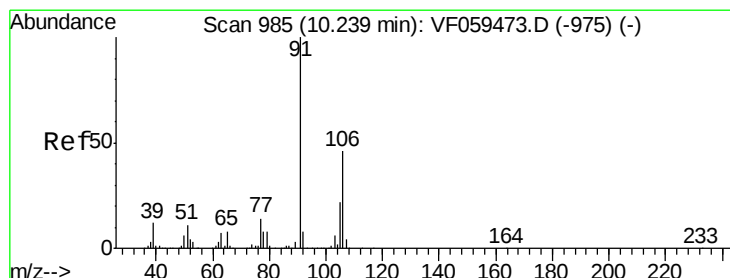
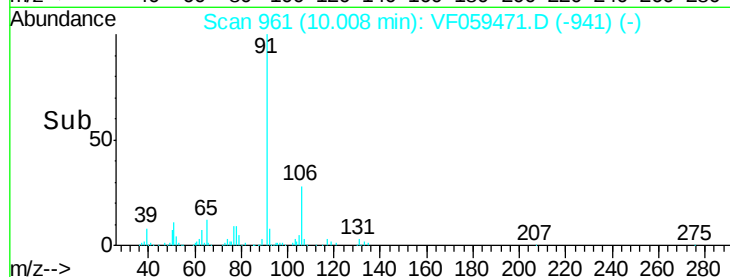
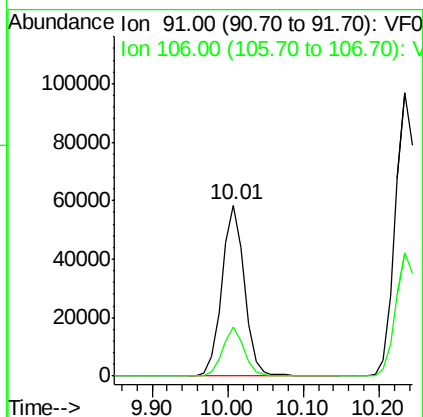
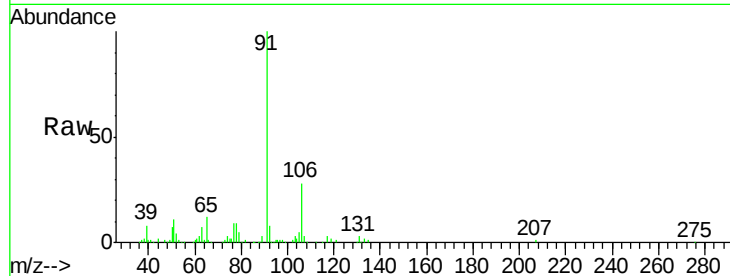




#67
Ethyl Benzene
Concen: 10.360 ug/l
RT: 10.01 min Scan# 961
Delta R.T. -0.00 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

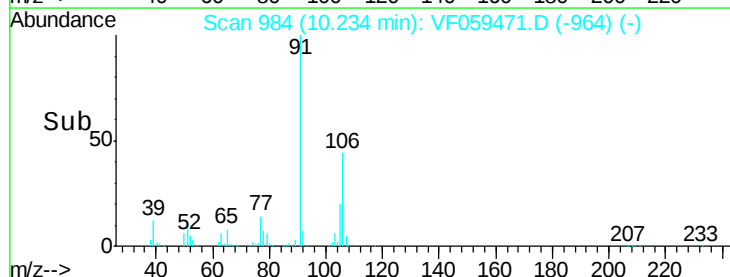
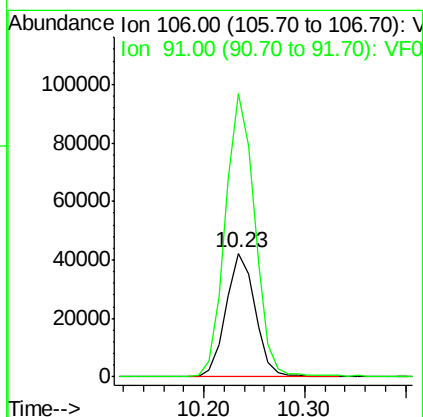
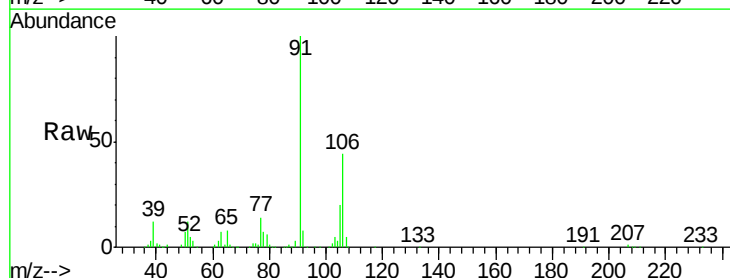
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

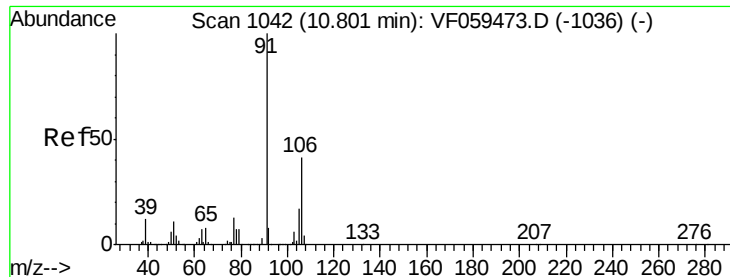
Tgt Ion: 91 Resp: 121167
Ion Ratio Lower Upper
91 100
106 28.4 23.0 34.6



#68
m/p-Xylenes
Concen: 20.728 ug/l
RT: 10.23 min Scan# 984
Delta R.T. -0.00 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

Tgt Ion: 106 Resp: 85641
Ion Ratio Lower Upper
106 100
91 228.8 173.5 260.3

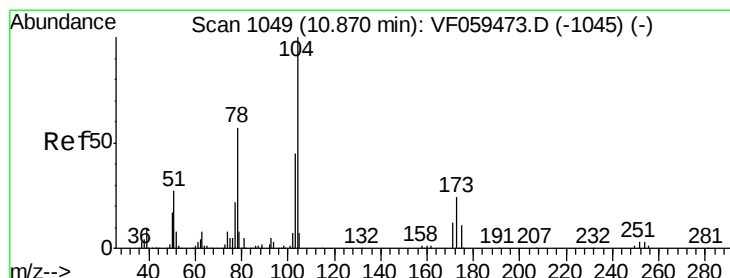
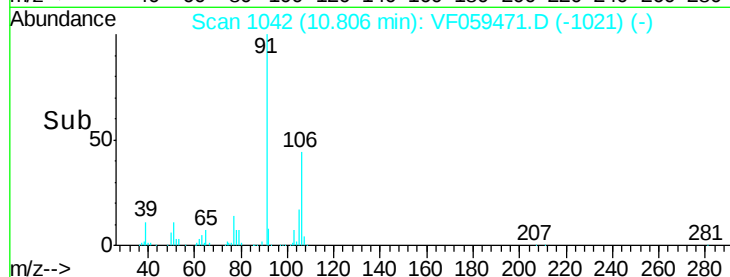
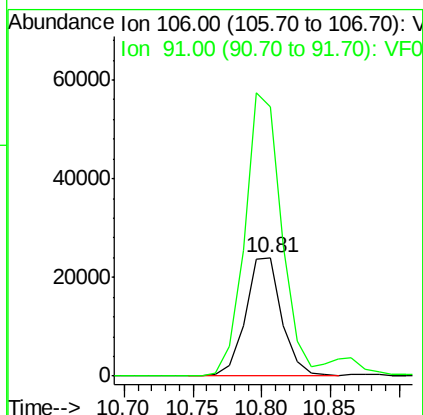
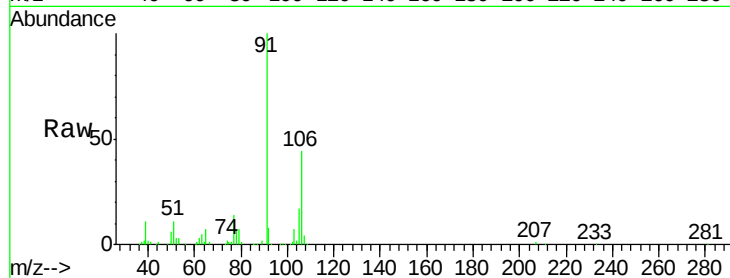




#69
o-Xylene
Concen: 9.570 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

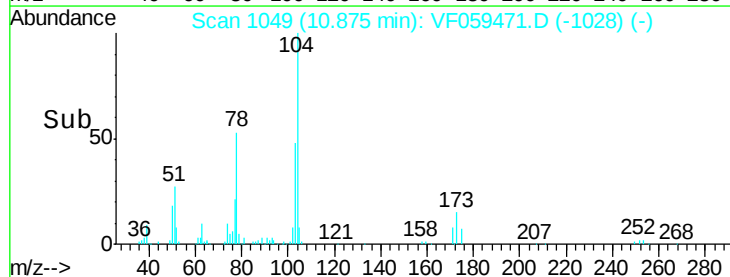
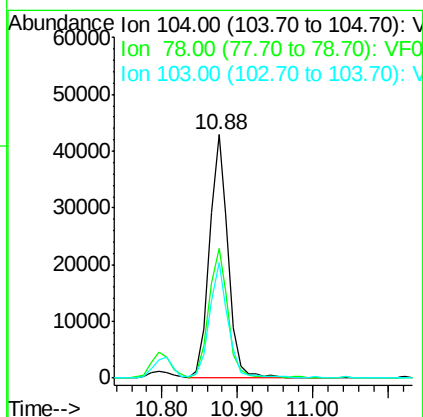
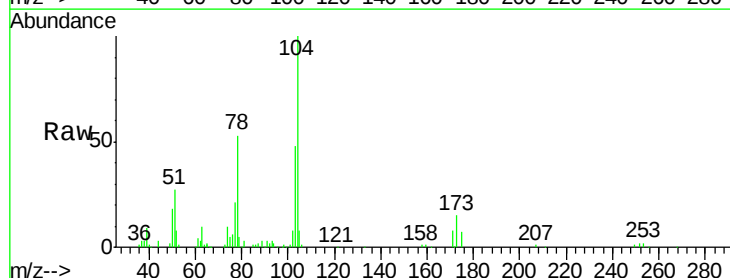
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

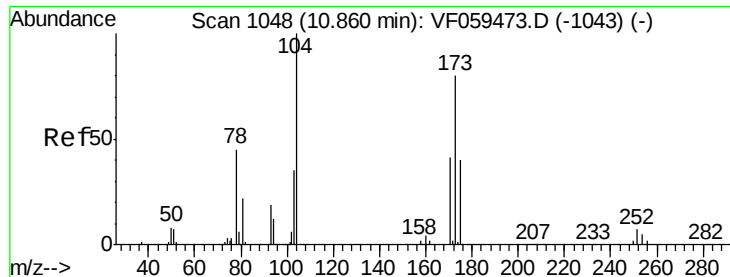
Tgt Ion:106 Resp: 44119
Ion Ratio Lower Upper
106 100
91 227.7 121.8 365.3



#70
Styrene
Concen: 10.525 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. 0.01 min
Lab File: VF059471.D
Acq: 7 Jul 2018 2:32

Tgt Ion:104 Resp: 74029
Ion Ratio Lower Upper
104 100
78 53.5 46.2 69.2
103 47.6 36.8 55.2





#71

Bromoform

Concen: 10.545 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

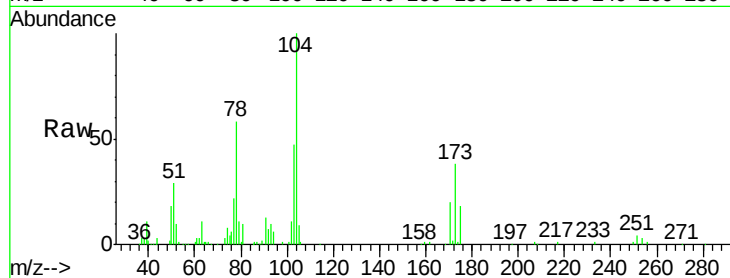
Tgt Ion:173 Resp: 21521

Ion Ratio Lower Upper

173 100

175 47.1 24.9 74.8

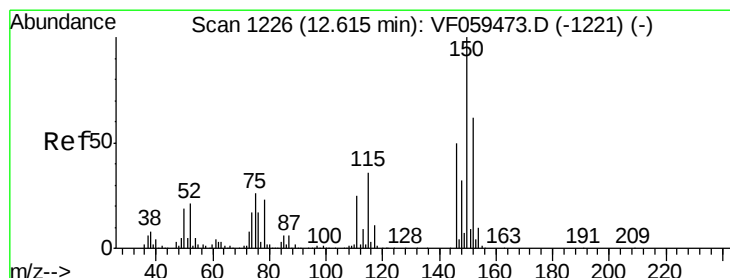
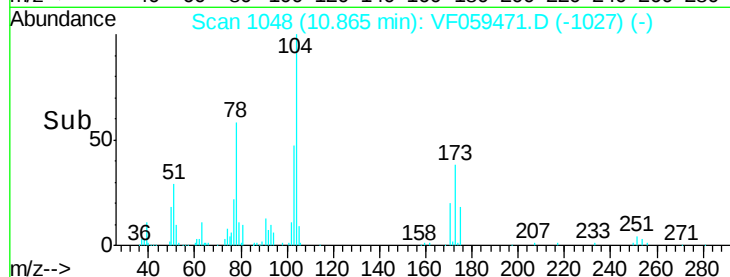
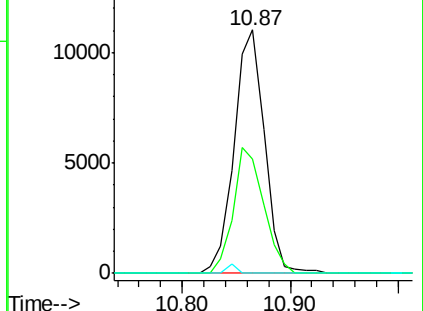
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

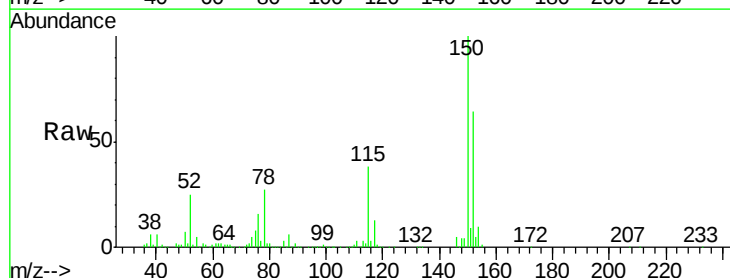
Tgt Ion:152 Resp: 238362

Ion Ratio Lower Upper

152 100

115 59.4 28.7 86.3

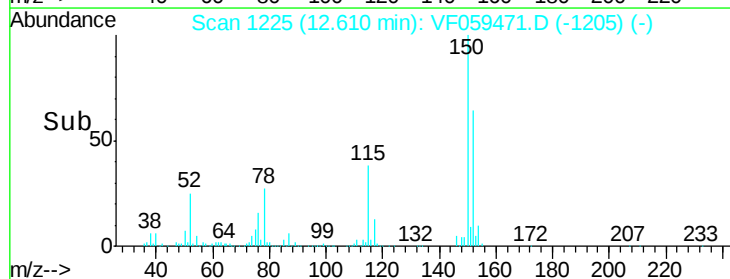
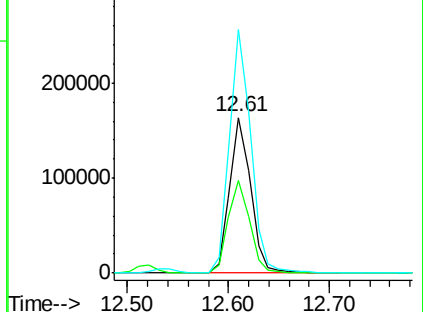
150 156.7 0.0 323.8

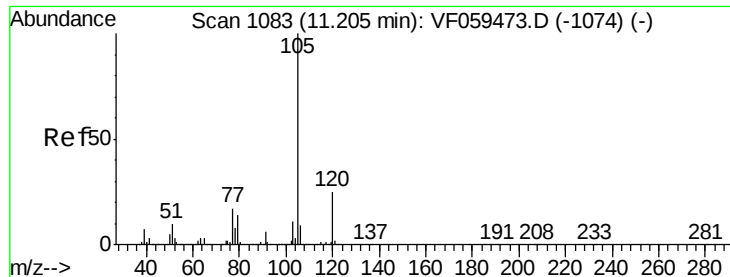


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 10.133 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

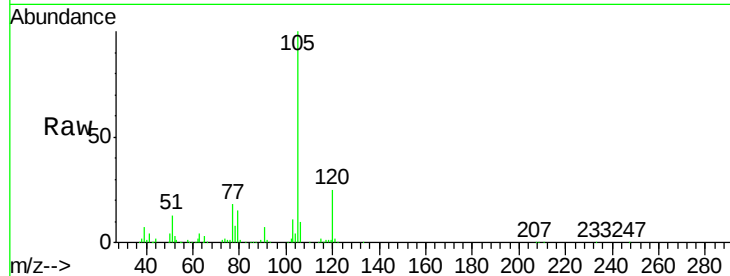
VSTDIC010

Tgt Ion: 105 Resp: 143778

Ion Ratio Lower Upper

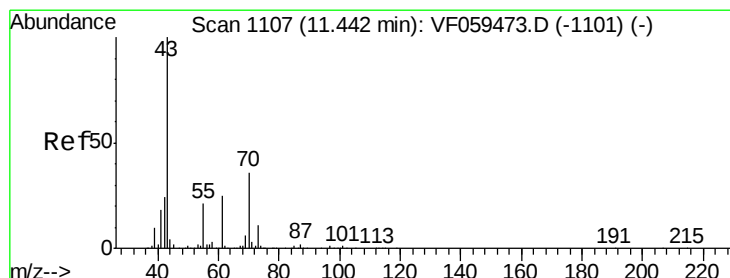
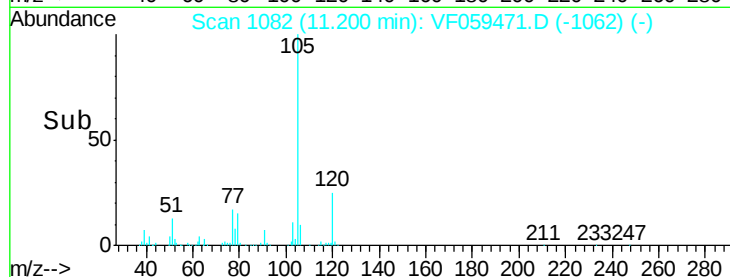
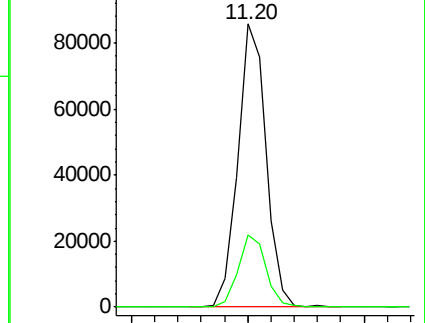
105 100

120 25.3 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: 8.172 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Tgt Ion: 43 Resp: 40956

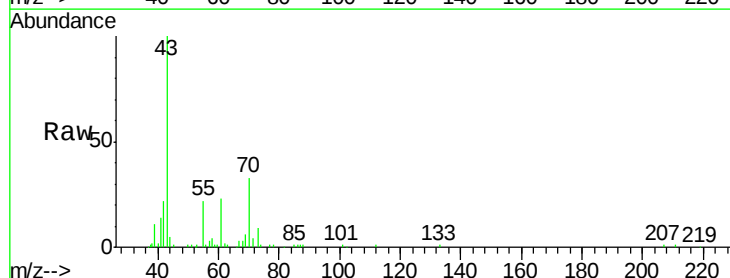
Ion Ratio Lower Upper

43 100

70 33.3 28.7 43.1

55 21.8 16.6 24.8

61 23.2 20.1 30.1

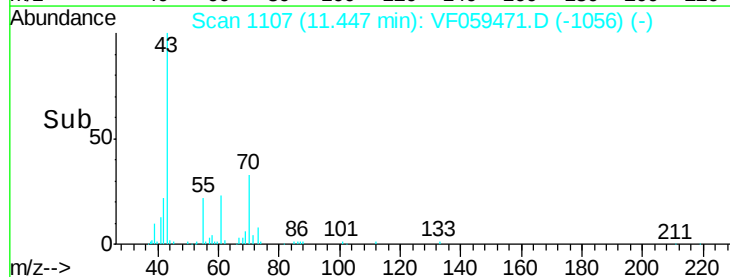
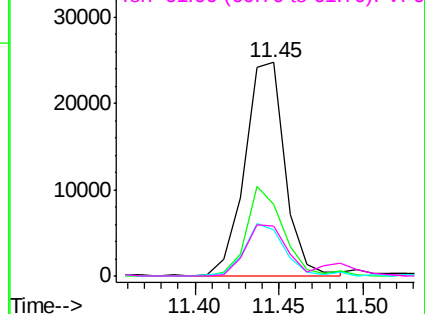


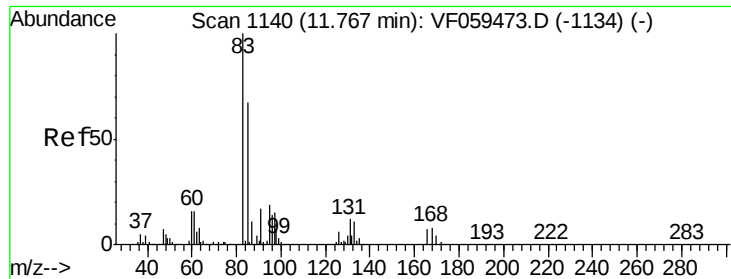
Abundance Ion 43.00 (42.70 to 43.70): VF0

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

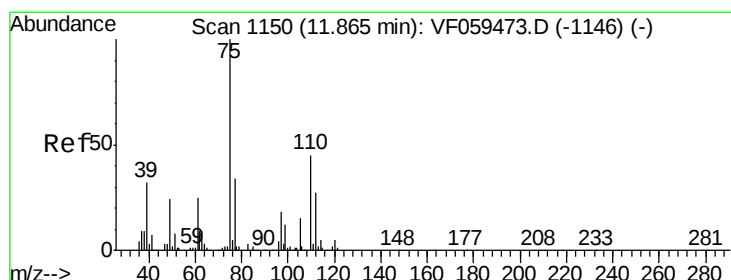
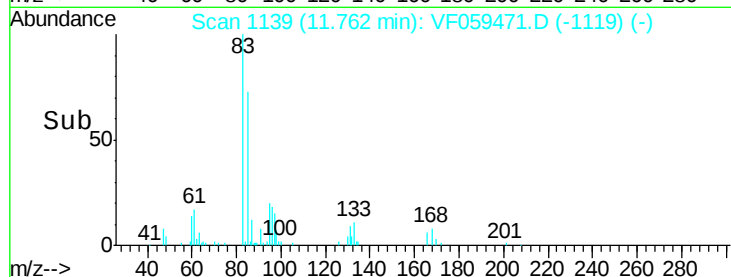
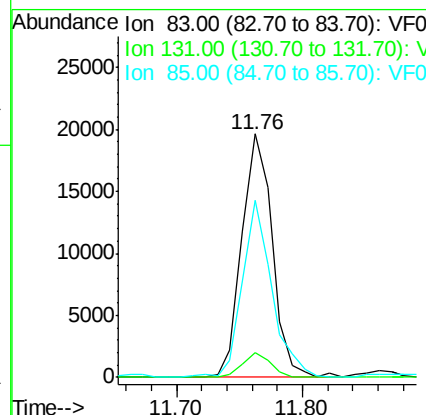
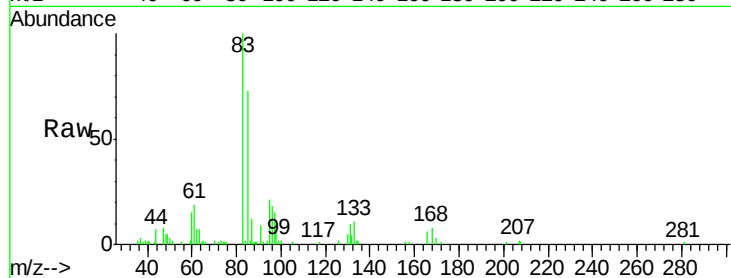




#75
 1,1,2,2-Tetrachloroethane
 Concen: 9.386 ug/l
 RT: 11.76 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

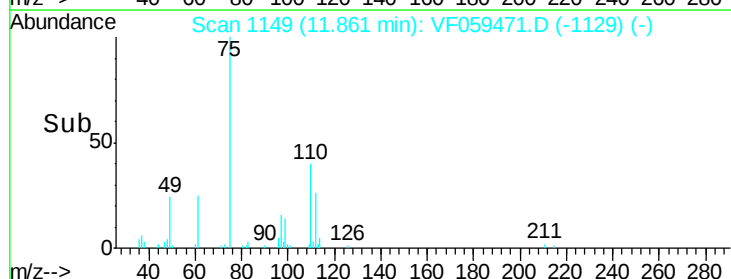
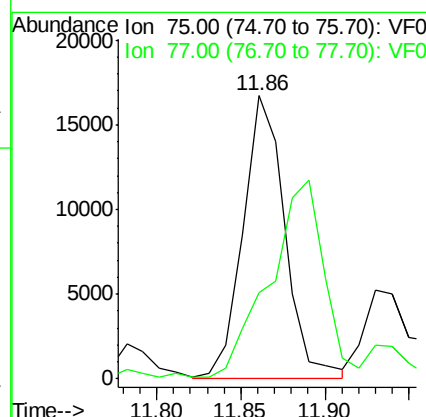
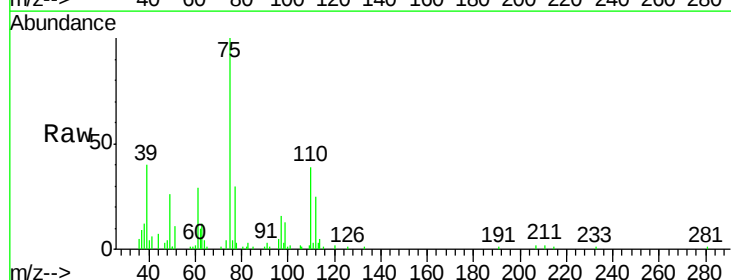
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

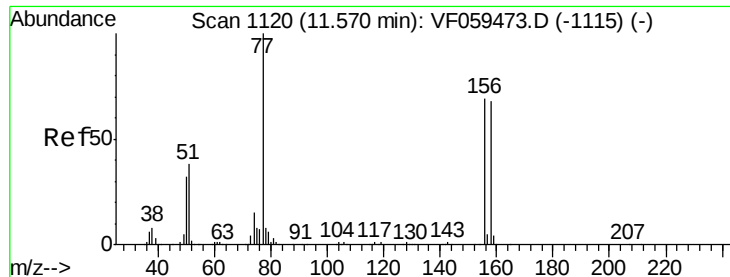
Tgt Ion: 83 Resp: 32805
 Ion Ratio Lower Upper
 83 100
 131 9.9 6.0 18.0
 85 72.6 33.7 101.1



#76
 1,2,3-Trichloropropane
 Concen: 10.777 ug/l
 RT: 11.86 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

Tgt Ion: 75 Resp: 28893
 Ion Ratio Lower Upper
 75 100
 77 30.3 16.9 50.6





#77

Bromobenzene

Concen: 10.640 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

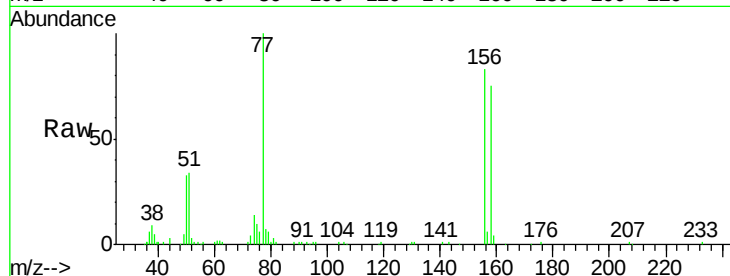
Tgt Ion: 156 Resp: 41541

Ion Ratio Lower Upper

156 100

77 120.6 72.4 217.2

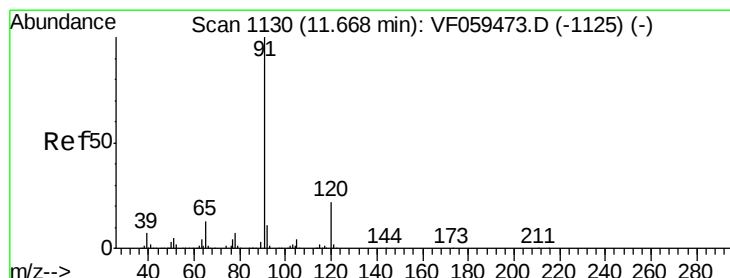
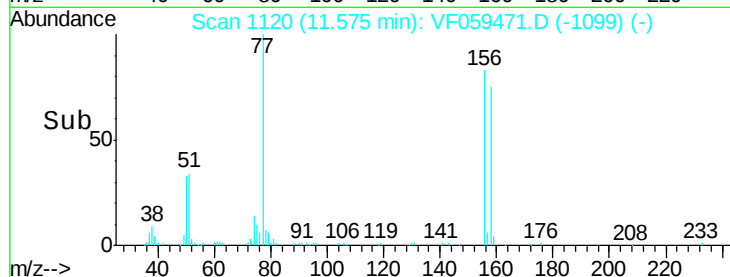
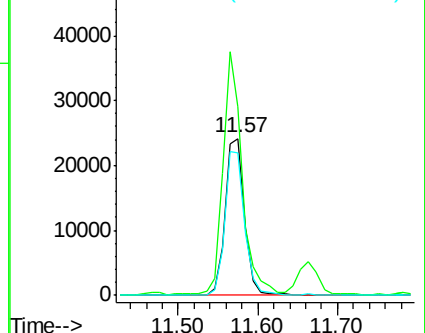
158 90.8 49.5 148.3



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: 10.507 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF059471.D

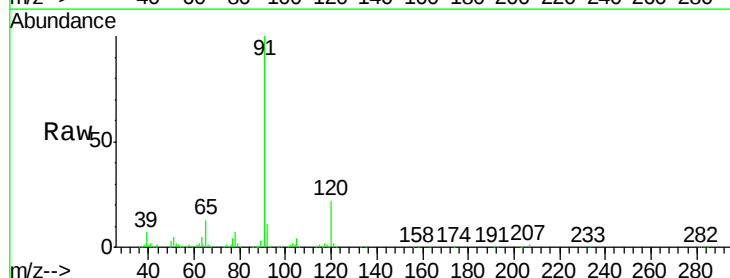
Acq: 7 Jul 2018 2:32

Tgt Ion: 91 Resp: 178938

Ion Ratio Lower Upper

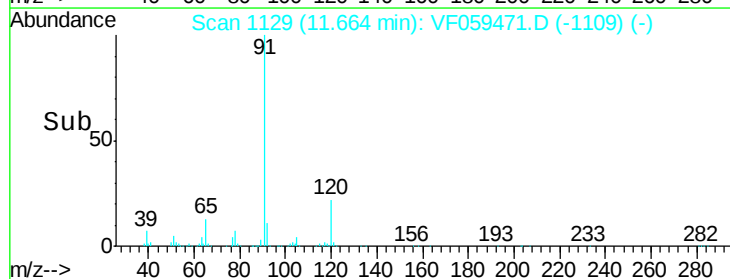
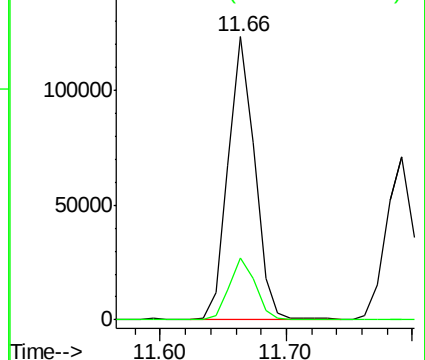
91 100

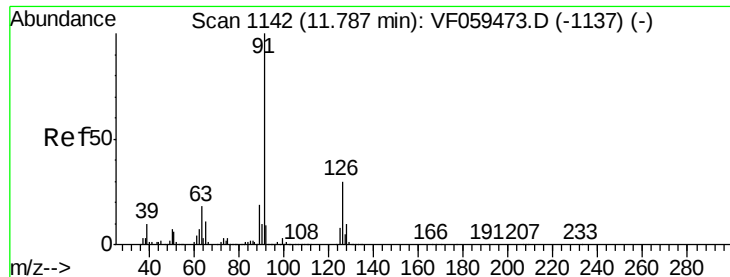
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.339 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

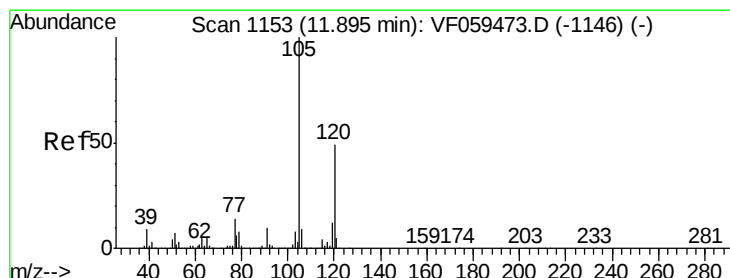
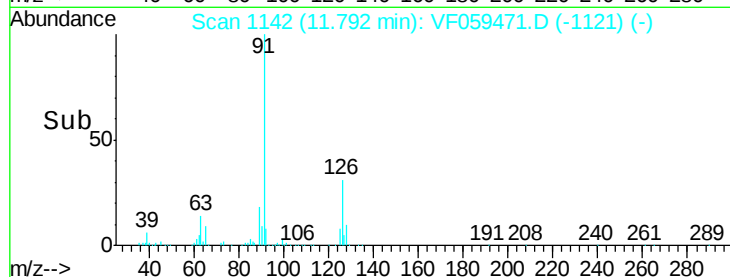
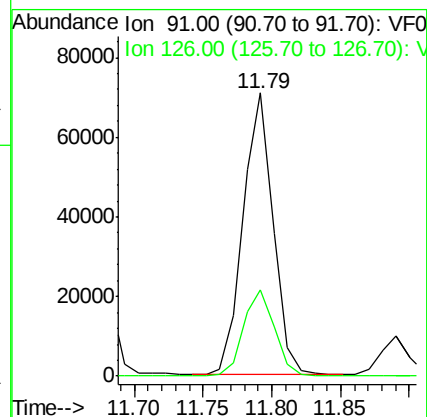
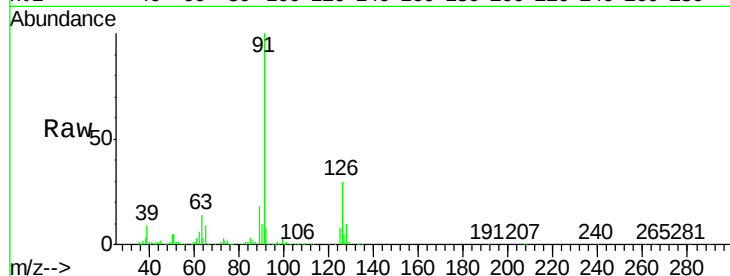
VSTDIC010

Tgt Ion: 91 Resp: 107988

Ion Ratio Lower Upper

91 100

126 30.4 15.2 45.5



#80

1,3,5-Trimethylbenzene

Concen: 10.149 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059471.D

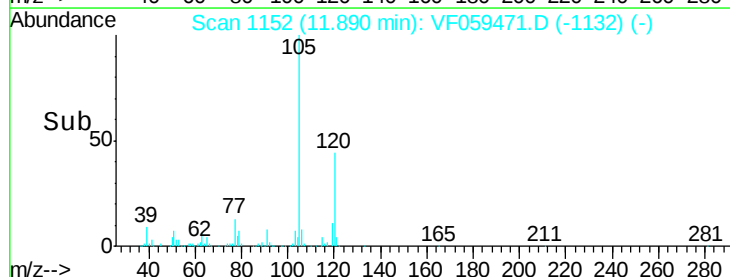
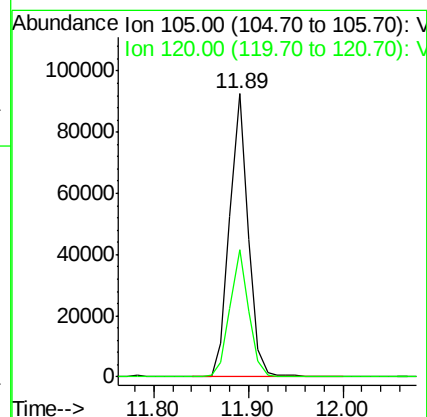
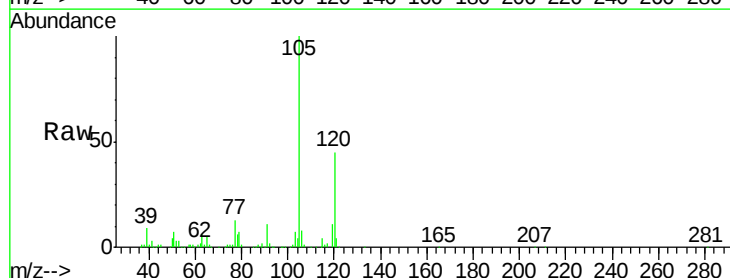
Acq: 7 Jul 2018 2:32

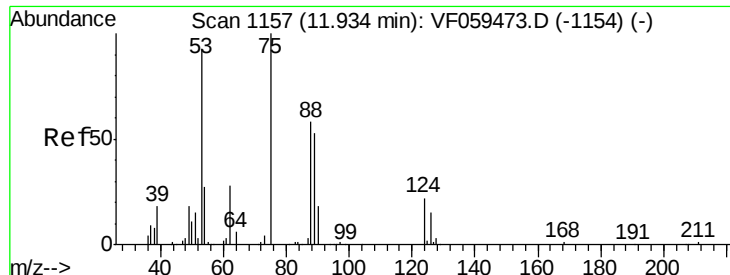
Tgt Ion: 105 Resp: 126969

Ion Ratio Lower Upper

105 100

120 45.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 7.974 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

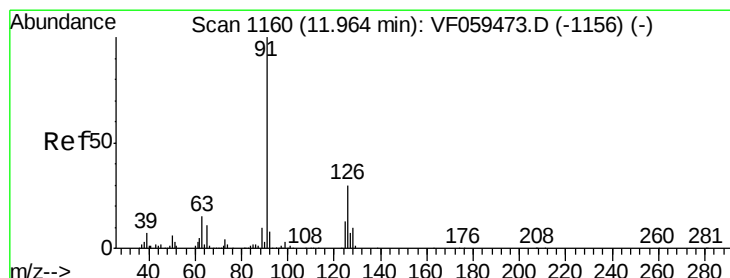
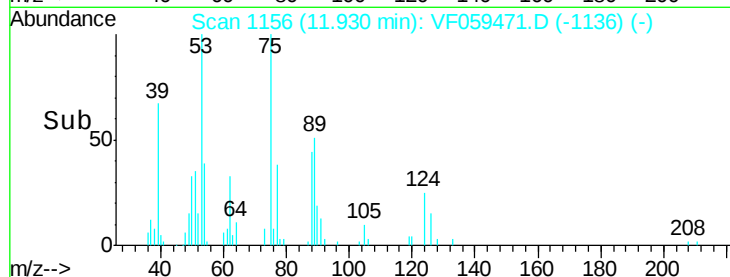
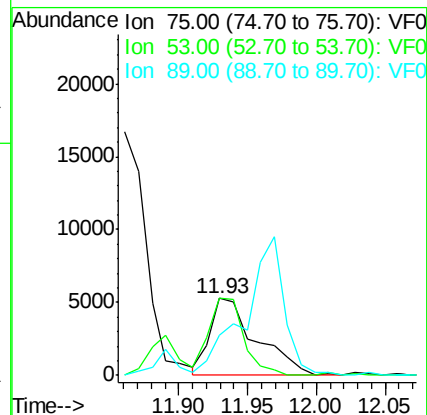
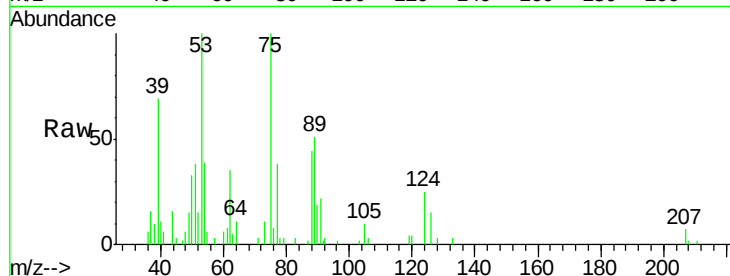
Tgt Ion: 75 Resp: 12397

Ion Ratio Lower Upper

75 100

53 100.1 79.0 118.6

89 51.4 45.9 68.9



#82

4-Chlorotoluene

Concen: 10.498 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF059471.D

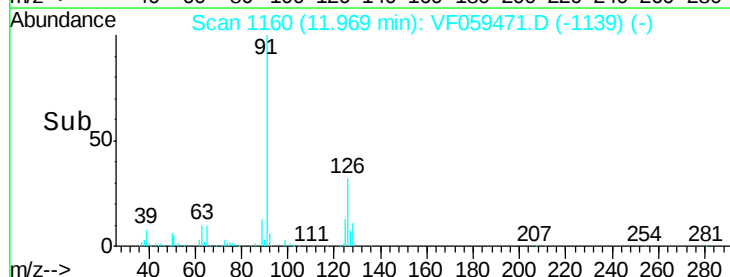
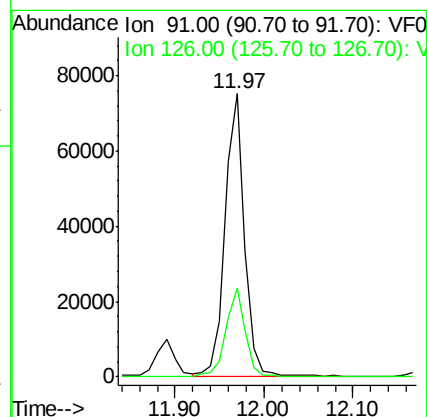
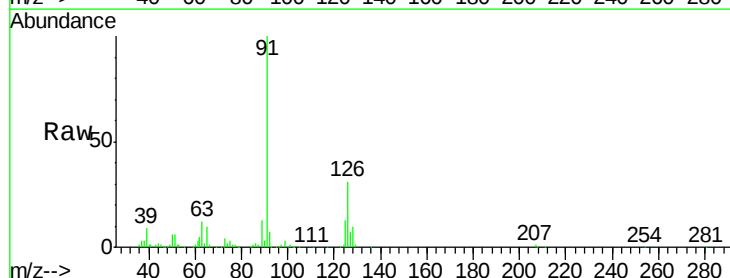
Acq: 7 Jul 2018 2:32

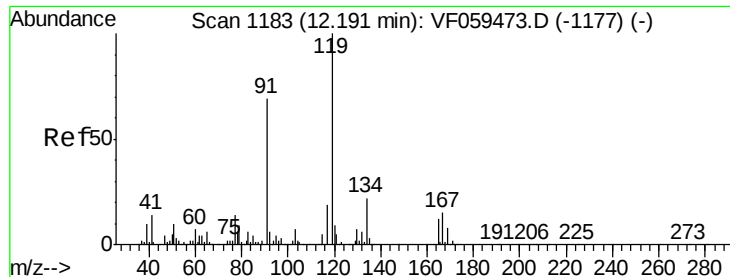
Tgt Ion: 91 Resp: 116236

Ion Ratio Lower Upper

91 100

126 31.2 14.9 44.5

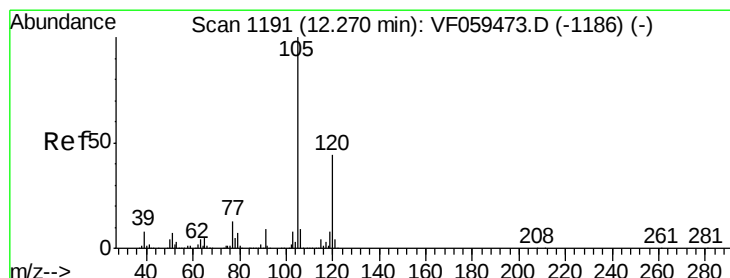
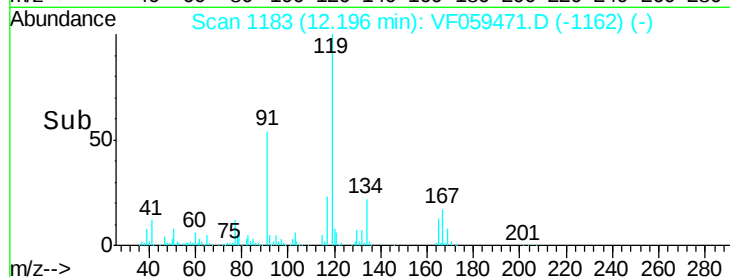
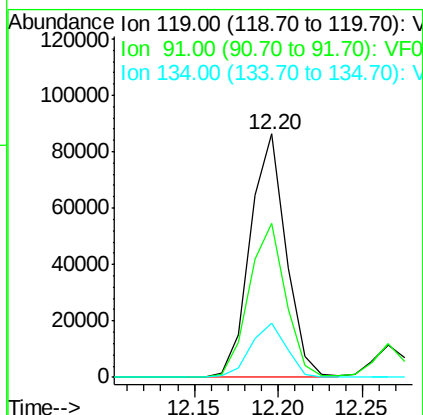
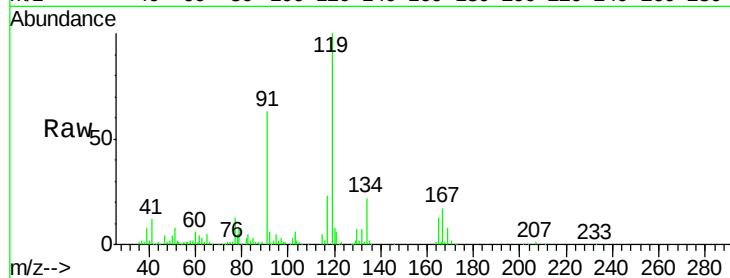




#83
 tert-Butylbenzene
 Concen: 10.312 ug/l
 RT: 12.20 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

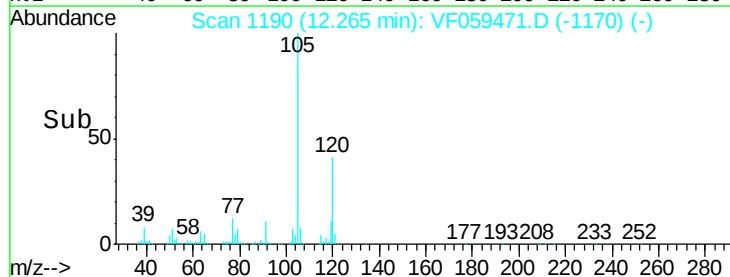
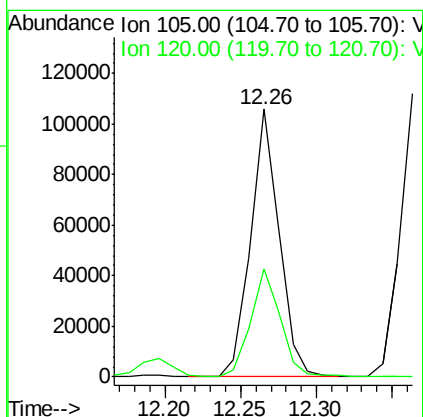
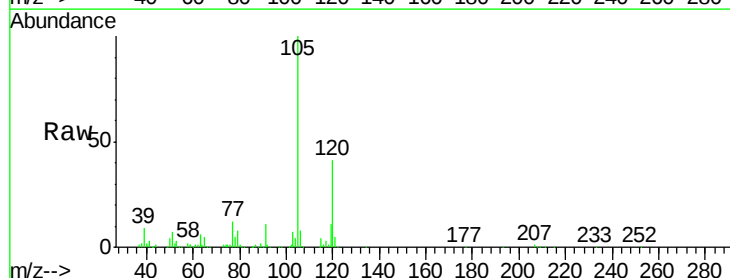
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

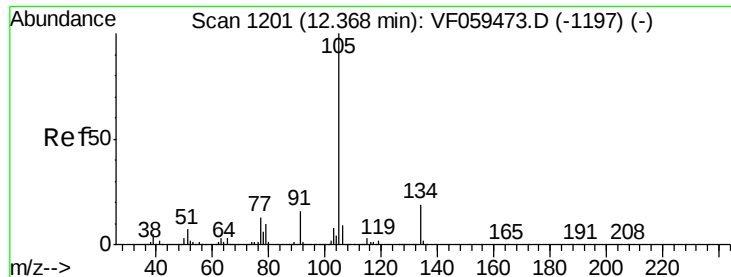
Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.0	34.4	103.3
134	22.1	10.8	32.4



#84
 1,2,4-Trimethylbenzene
 Concen: 10.740 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.5	22.1	66.1

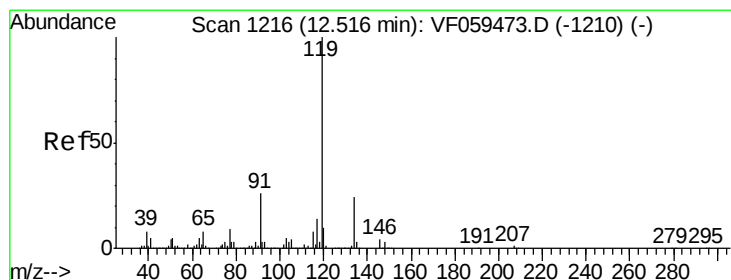
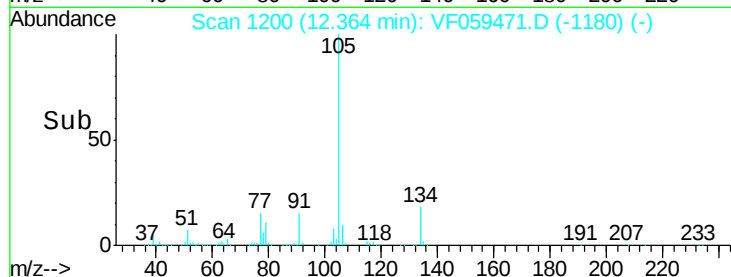
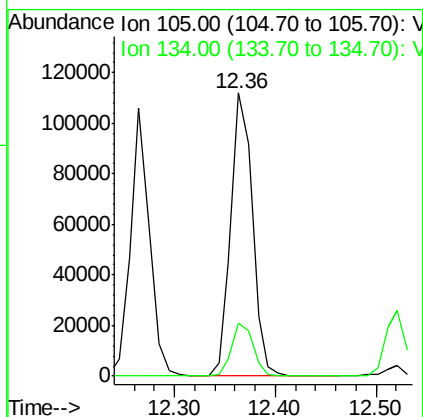
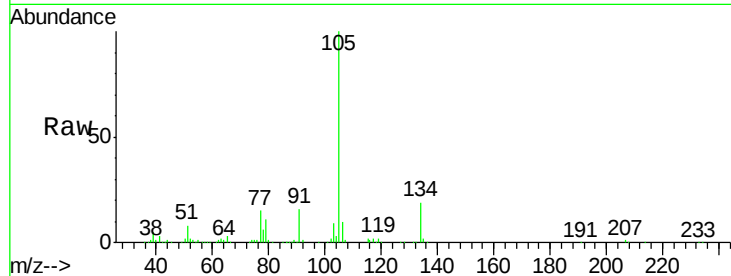




#85
 sec-Butylbenzene
 Concen: 10.202 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

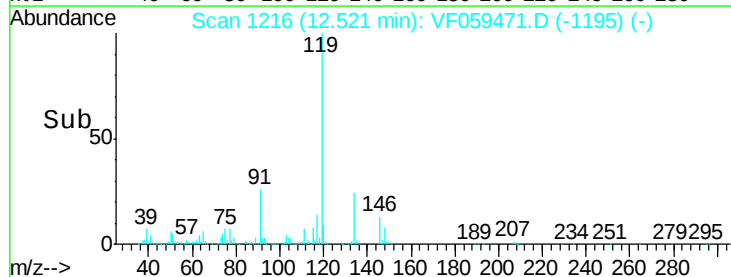
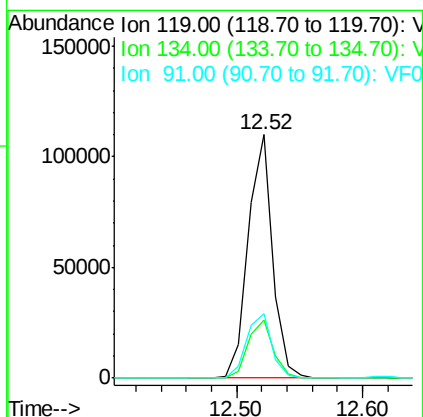
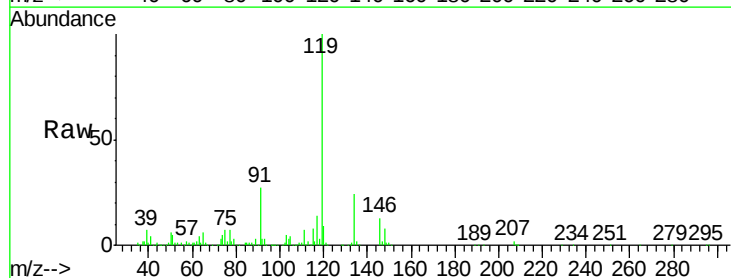
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

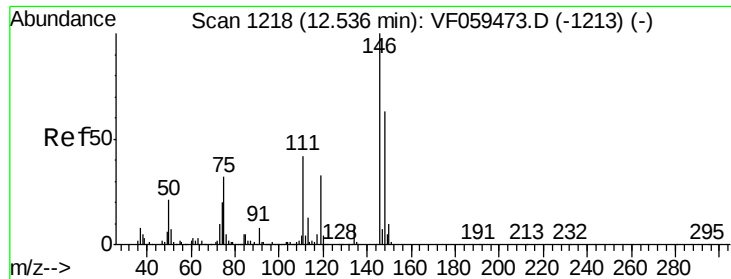
Tgt Ion:105 Resp: 168379
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 10.627 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

Tgt Ion:119 Resp: 147594
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.2 36.4
 91 26.7 13.1 39.3

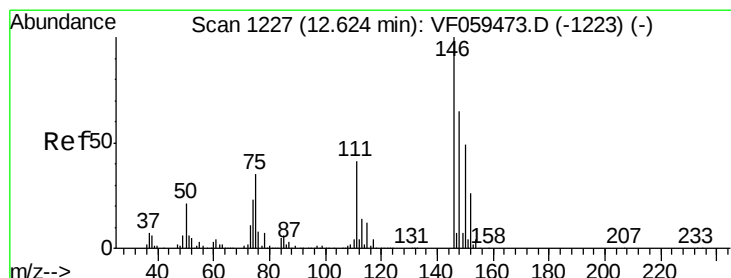
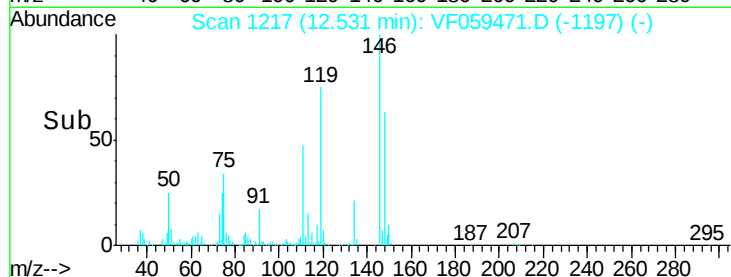
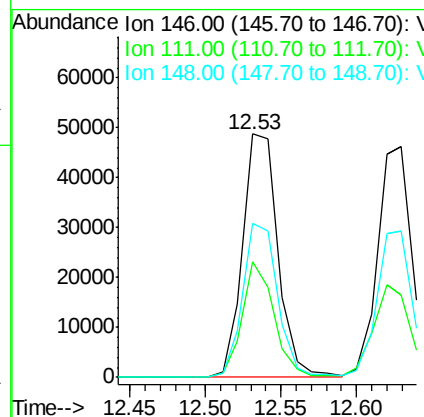
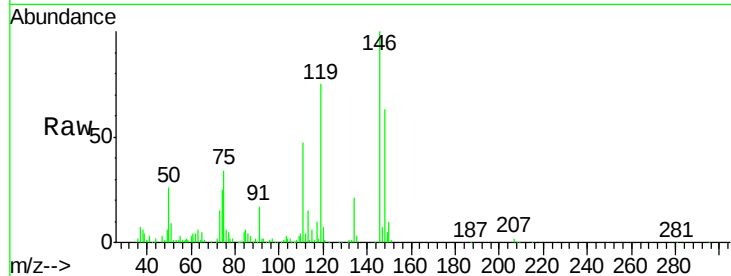




#87
 1,3-Dichlorobenzene
 Concen: 10.899 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

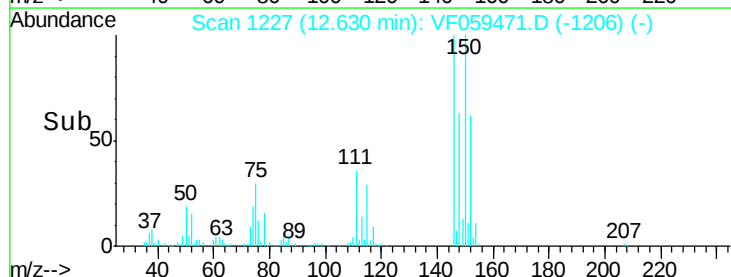
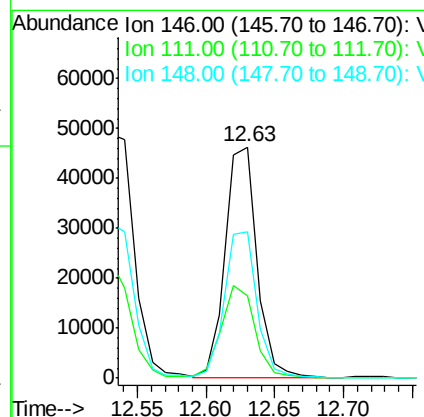
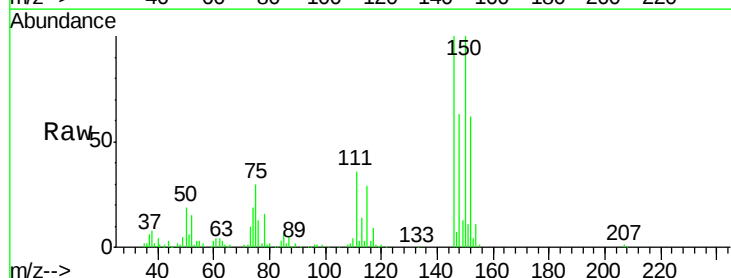
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

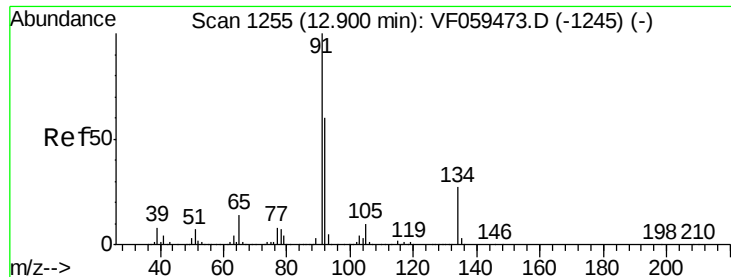
Tgt Ion:146 Resp: 79163
 Ion Ratio Lower Upper
 146 100
 111 47.3 21.0 63.0
 148 63.3 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 10.506 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

Tgt Ion:146 Resp: 74120
 Ion Ratio Lower Upper
 146 100
 111 35.6 20.8 62.2
 148 63.2 32.6 97.8





#89

n-Butylbenzene

Concen: 10.664 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

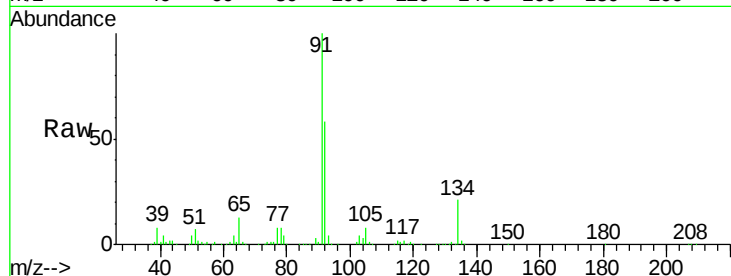
Tgt Ion: 91 Resp: 150370

Ion Ratio Lower Upper

91 100

92 57.8 30.0 90.1

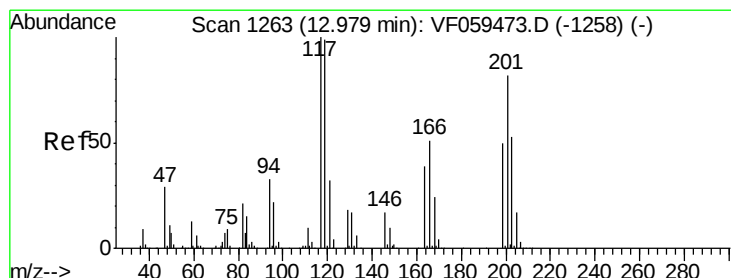
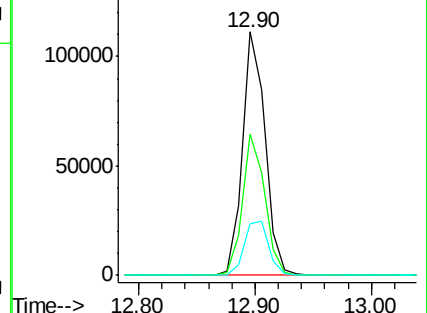
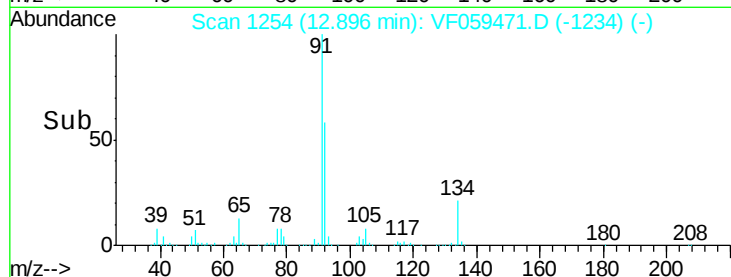
134 21.2 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 10.756 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VF059471.D

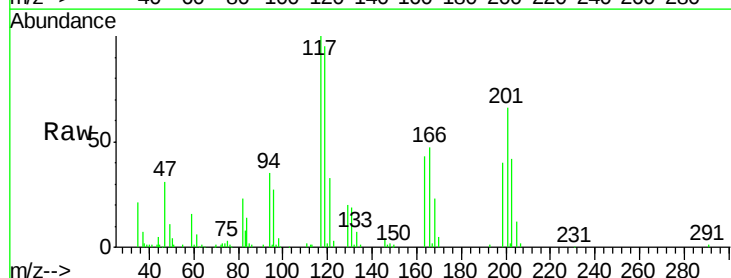
Acq: 7 Jul 2018 2:32

Tgt Ion: 117 Resp: 37340

Ion Ratio Lower Upper

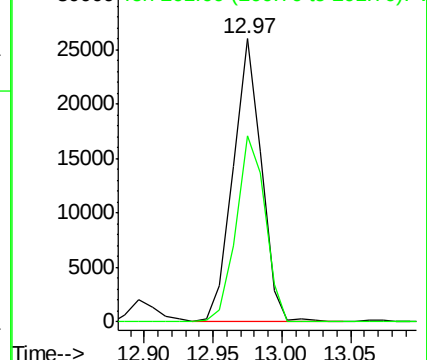
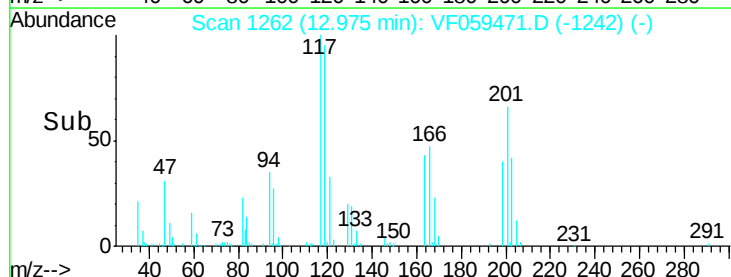
117 100

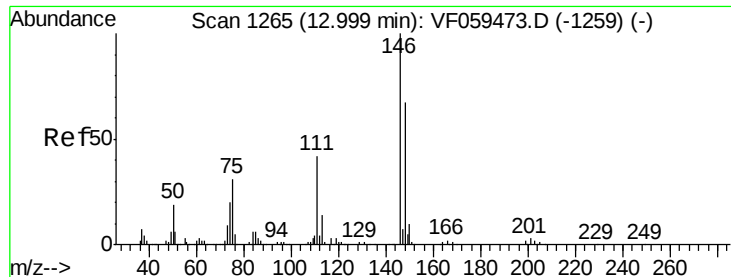
201 68.1 40.6 121.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 11.235 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

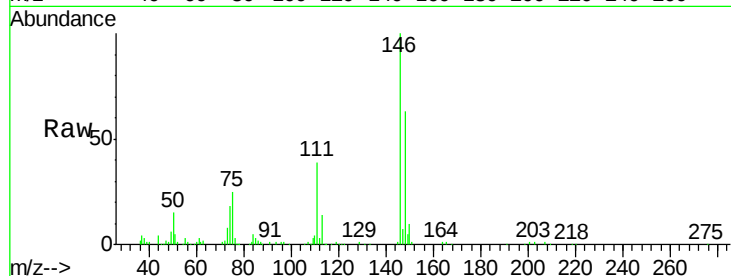
Tgt Ion:146 Resp: 79880

Ion Ratio Lower Upper

146 100

111 38.6 21.2 63.6

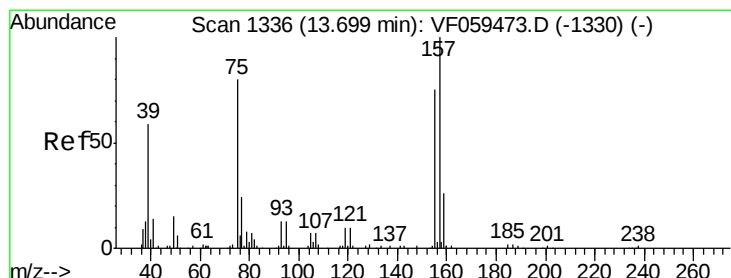
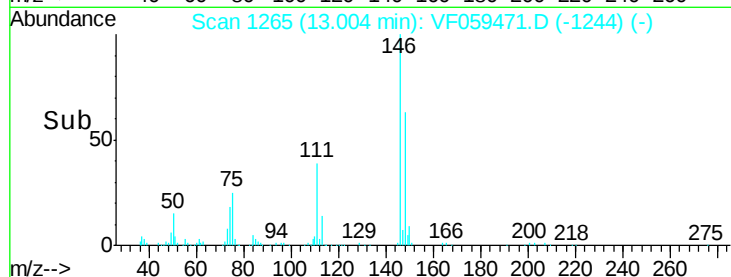
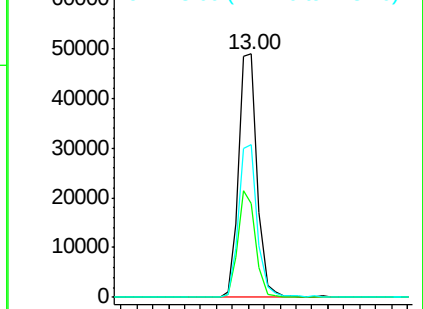
148 62.8 33.3 99.9



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: 9.656 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

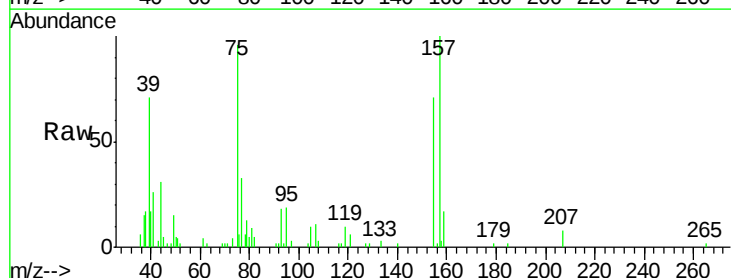
Tgt Ion: 75 Resp: 7651

Ion Ratio Lower Upper

75 100

155 74.5 47.3 141.8

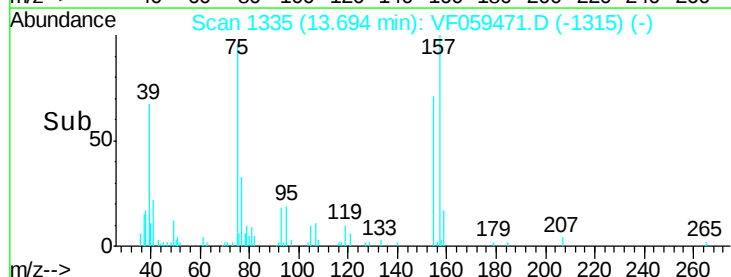
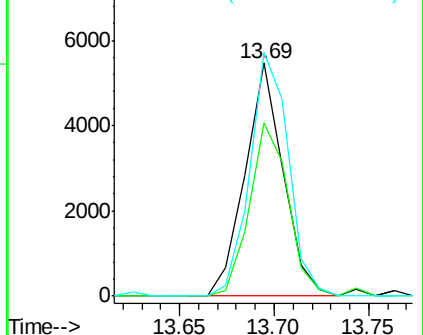
157 107.9 62.6 187.8

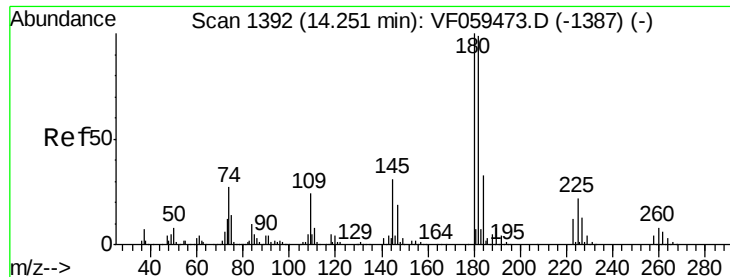


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

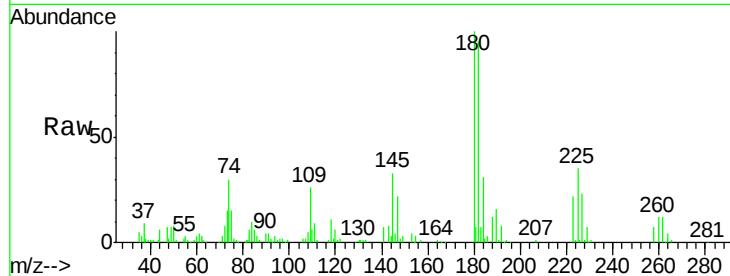




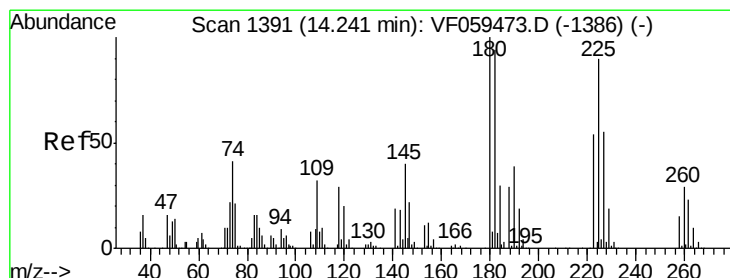
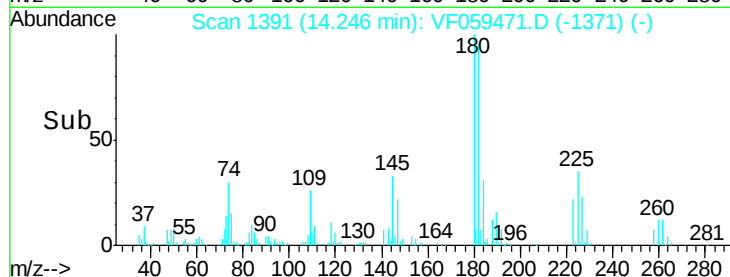
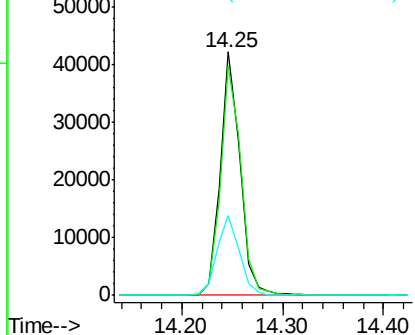
#93
 1,2,4-Trichlorobenzene
 Concen: 10.978 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 57974
 Ion Ratio Lower Upper
 180 100
 182 94.5 49.5 148.7
 145 33.0 15.4 46.2

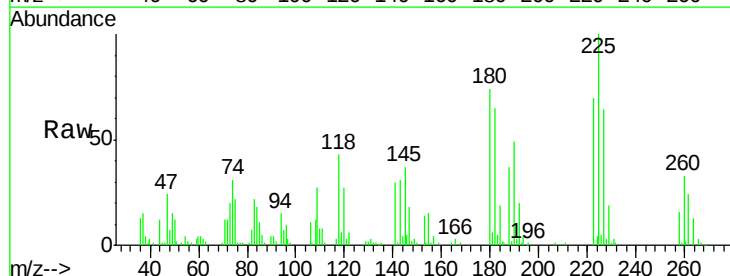


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

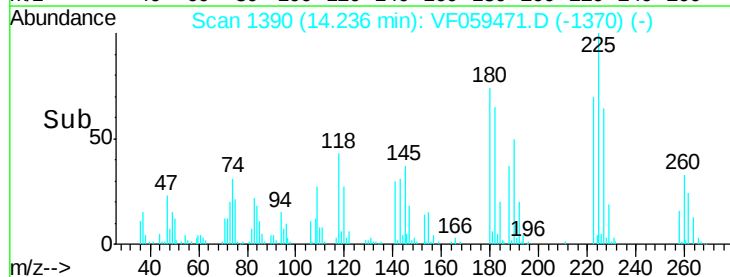
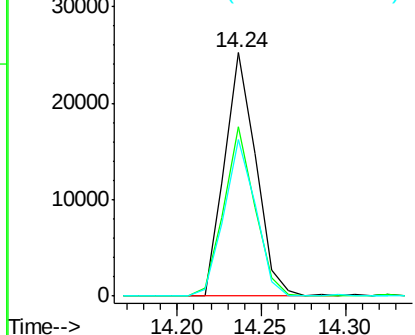


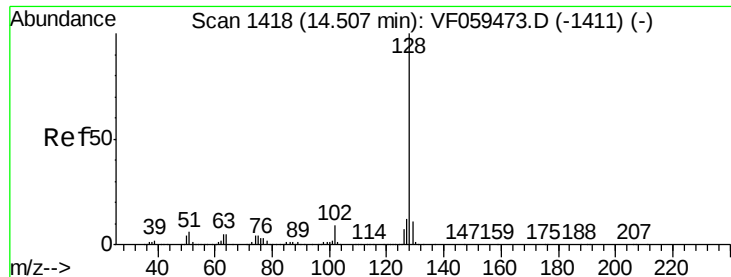
#94
 Hexachlorobutadiene
 Concen: 10.775 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF059471.D
 Acq: 7 Jul 2018 2:32

Tgt Ion:225 Resp: 32632
 Ion Ratio Lower Upper
 225 100
 223 69.6 30.1 90.5
 227 64.1 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: 9.165 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

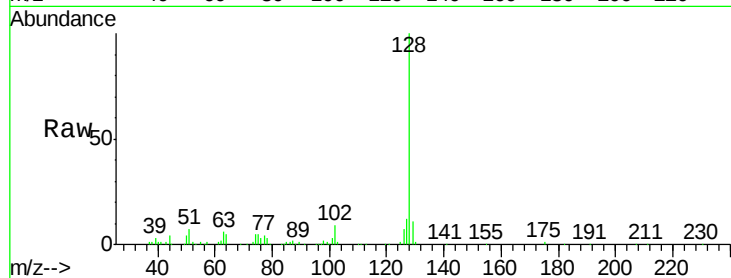
Tgt Ion:128 Resp: 101360

Ion Ratio Lower Upper

128 100

127 11.7 9.9 14.9

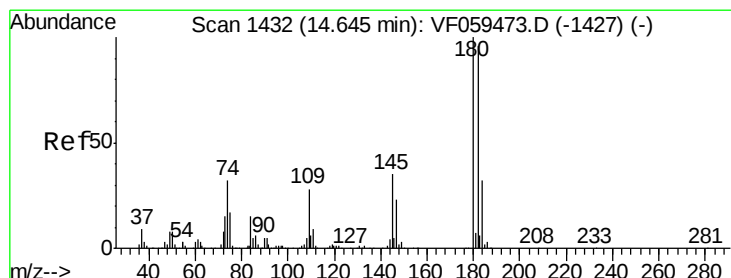
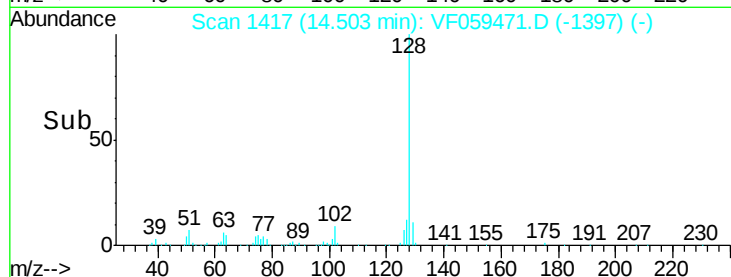
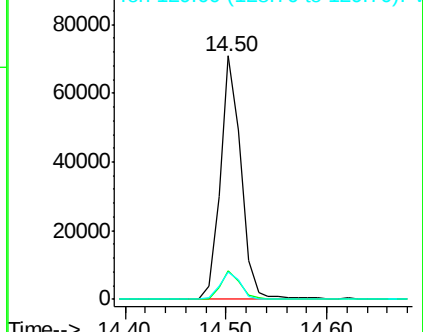
129 11.4 9.0 13.6



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: 11.834 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF059471.D

Acq: 7 Jul 2018 2:32

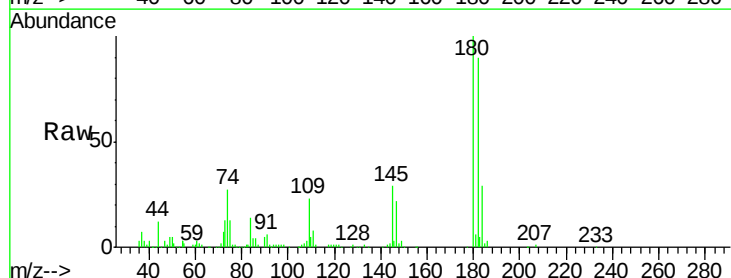
Tgt Ion:180 Resp: 59499

Ion Ratio Lower Upper

180 100

182 90.1 47.9 143.7

145 29.2 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

