

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059514.D
 Acq On : 17 Jul 2018 18:28
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Jul 18 01:44:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	267702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	380614	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	371362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	219874	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	295291	73.08	ug/l	0.00
Spiked Amount			Recovery	=	146.16%	
35) Dibromofluoromethane	4.31	113	230557	69.75	ug/l	0.00
Spiked Amount			Recovery	=	139.50%	
50) Toluene-d8	7.72	98	561924	68.73	ug/l	0.00
Spiked Amount			Recovery	=	137.46%	
62) 4-Bromofluorobenzene	11.52	95	306404	70.54	ug/l	0.00
Spiked Amount			Recovery	=	141.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	214332	70.342	ug/l	99
3) Chloromethane	1.09	50	114289	66.541	ug/l	99
4) Vinyl Chloride	1.15	62	117116	65.463	ug/l	96
5) Bromomethane	1.35	94	82666	66.342	ug/l	100
6) Chloroethane	1.43	64	61730	65.941	ug/l #	84
7) Trichlorofluoromethane	1.53	101	298879	72.783	ug/l	95
8) Diethyl Ether	1.71	74	53803	65.398	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.90	101	111316	57.067	ug/l	97
10) Methyl Iodide	1.97	142	218640	66.504	ug/l	98
11) Tert butyl alcohol	2.70	59	62542	333.715	ug/l	98
12) 1,1-Dichloroethene	1.86	96	127181	67.506	ug/l	98
13) Acrolein	2.10	56	25347	242.084	ug/l	94
14) Allyl chloride	2.20	41	156992	63.536	ug/l	99
15) Acrylonitrile	3.08	53	122079	352.986	ug/l	98
16) Acetone	2.34	43	232861	339.286	ug/l	97
17) Carbon Disulfide	1.88	76	328361	64.210	ug/l	98
18) Methyl Acetate	2.46	43	97917	69.487	ug/l #	91
19) Methyl tert-butyl Ether	2.55	73	417628	67.774	ug/l	96
20) Methylene Chloride	2.28	84	37686	15.337	ug/l	87
21) trans-1,2-Dichloroethene	2.42	96	116901	68.115	ug/l	92
22) Diisopropyl ether	2.93	45	466253	65.822	ug/l	98
23) Vinyl Acetate	3.35	43	1387003	336.950	ug/l	100
24) 1,1-Dichloroethane	3.01	63	297340	73.943	ug/l	98
25) 2-Butanone	4.53	43	322124	322.893	ug/l	98
26) 2,2-Dichloropropane	3.77	77	177988	65.953	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	144744	61.698	ug/l	97
28) Bromochloromethane	3.90	49	126509	67.846	ug/l	99
29) Tetrahydrofuran	4.27	42	139004	324.375	ug/l	98
30) Chloroform	4.05	83	410520	67.971	ug/l	97
31) Cyclohexane	3.87	56	125320	55.177	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	265564	63.387	ug/l	93
36) 1,1-Dichloropropene	4.47	75	264427	68.221	ug/l	98
37) Ethyl Acetate	4.31	43	149230	62.902	ug/l	97
38) Carbon Tetrachloride	4.18	117	295428	65.733	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	189331	64.863	ug/l	96
40) Benzene	4.83	78	498672	66.214	ug/l	99
41) Methacrylonitrile	4.95	41	75533	66.042	ug/l #	87
42) 1,2-Dichloroethane	5.13	62	344932	71.545	ug/l	99
43) Isopropyl Acetate	7.13	43	254942	89.734	ug/l #	80
44) Trichloroethene	5.68	130	176251	64.917	ug/l	89
45) 1,2-Dichloropropane	6.41	63	144621	67.708	ug/l	97
46) Dibromomethane	6.27	93	134719	70.604	ug/l	96
47) Bromodichloromethane	6.56	83	331907	68.075	ug/l	98
48) Methyl methacrylate	6.89	41	148041	72.304	ug/l	99
49) 1,4-Dioxane	6.88	88	11658	1258.818	ug/l	97
51) 4-Methyl-2-Pentanone	8.42	43	683437	342.900	ug/l	99
52) Toluene	7.79	92	367800	67.912	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	301509	69.967	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	309134	69.141	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	146515	67.924	ug/l	95
56) Ethyl methacrylate	8.78	69	185507	68.284	ug/l	95
57) 1,3-Dichloropropane	9.02	76	257435	70.148	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	72656	320.273	ug/l	100
59) 2-Hexanone	9.65	43	533587	341.220	ug/l	95
60) Dibromochloromethane	8.88	129	253947	72.540	ug/l	99
61) 1,2-Dibromoethane	9.15	107	187624	71.868	ug/l	99
64) Tetrachloroethene	8.32	164	194102	66.295	ug/l	95
65) Chlorobenzene	9.95	112	463674	66.381	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	215413	68.120	ug/l	97
67) Ethyl Benzene	10.05	91	827328	66.388	ug/l	100
68) m/p-Xylenes	10.28	106	553131	123.916	ug/l	98
69) o-Xylene	10.84	106	299852	64.641	ug/l	92
70) Styrene	10.91	104	472168	64.337	ug/l	99
71) Bromoform	10.90	173	159817	69.317	ug/l #	100
73) Isopropylbenzene	11.23	105	923676	65.853	ug/l	99
74) N-amyl acetate	11.47	43	311488	62.578	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.80	83	207839	67.571	ug/l	94
76) 1,2,3-Trichloropropane	11.89	75	170675	67.300	ug/l	95
77) Bromobenzene	11.61	156	253637	64.173	ug/l	97
78) n-propylbenzene	11.70	91	1045956	64.411	ug/l	98
79) 2-Chlorotoluene	11.83	91	647142	65.938	ug/l	97
80) 1,3,5-Trimethylbenzene	11.92	105	748287	62.051	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	101661	84.550	ug/l	93
82) 4-Chlorotoluene	12.00	91	709003	62.349	ug/l	90
83) tert-Butylbenzene	12.22	119	734037	65.029	ug/l	98
84) 1,2,4-Trimethylbenzene	12.30	105	790005	65.576	ug/l	100
85) sec-Butylbenzene	12.40	105	944320	66.235	ug/l	99
86) p-Isopropyltoluene	12.55	119	814517	64.587	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	432143	63.855	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	438838	67.012	ug/l	96
89) n-Butylbenzene	12.93	91	772071	66.679	ug/l	97
90) Hexachloroethane	13.01	117	182950	64.436	ug/l	76
91) 1,2-Dichlorobenzene	13.03	146	422047	66.895	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	48808	71.472	ug/l	94

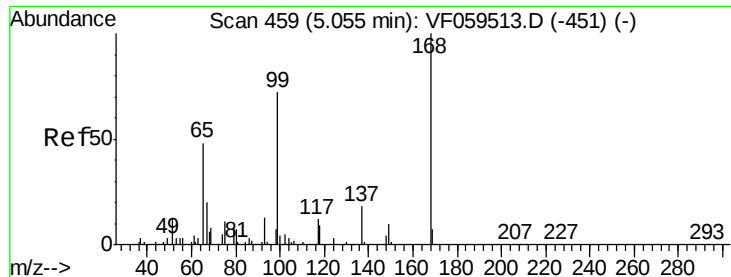
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
Data File : VF059514.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	272041	68.952	ug/l	96
94) Hexachlorobutadiene	14.26	225	134916	77.269	ug/l	99
95) Naphthalene	14.53	128	603132	71.844	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	249646	72.543	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

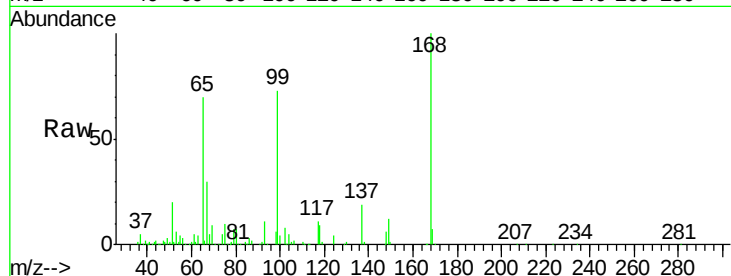
VSTDIC075

Tot Ion:168 Resp: 267702

Ion Ratio Lower Upper

168 100

99 72.7 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

100000

80000

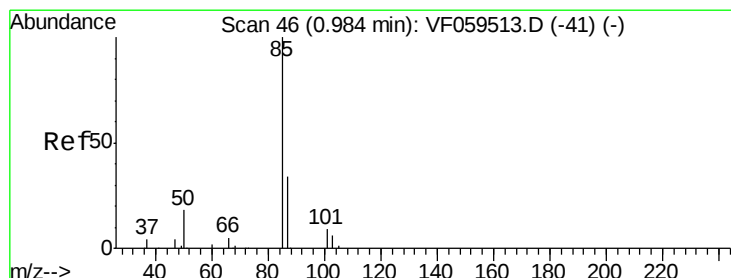
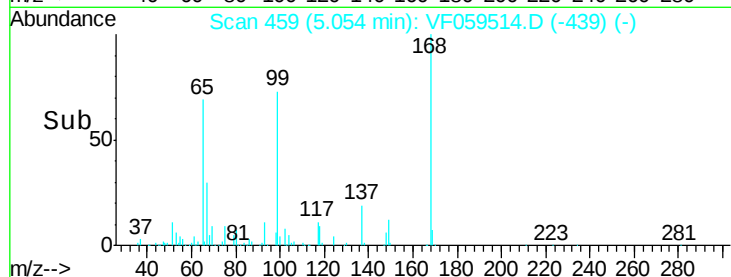
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 70.342 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059514.D

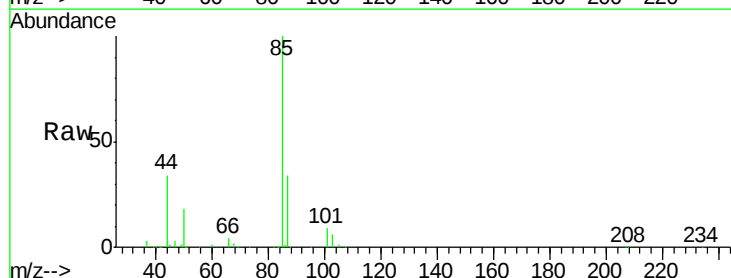
Acq: 17 Jul 2018 18:28

Tgt Ion: 85 Resp: 214332

Ion Ratio Lower Upper

85 100

87 34.2 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

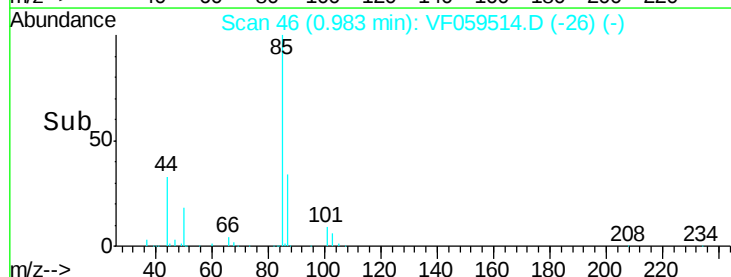
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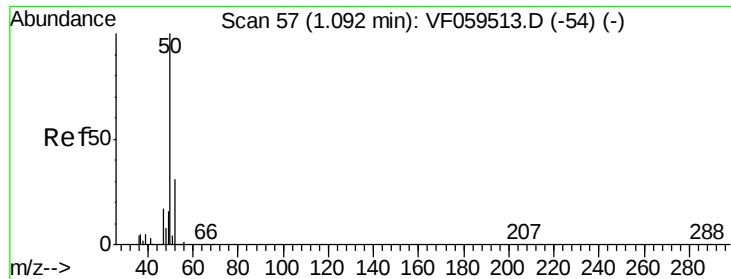
40000

20000

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Time-->





#3

Chloromethane

Concen: 66.541 ug/l

RT: 1.09 min Scan# 57

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

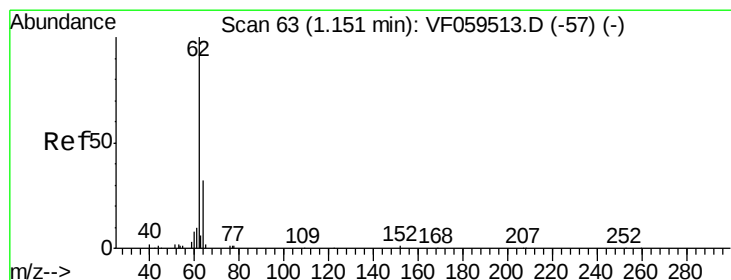
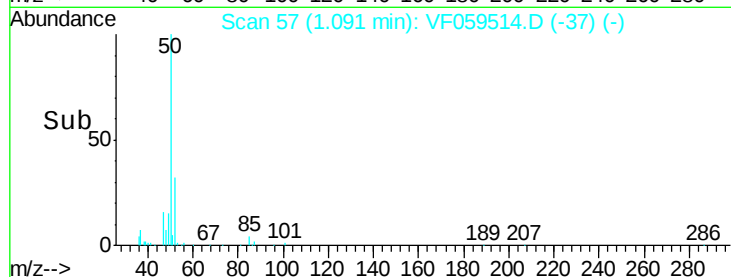
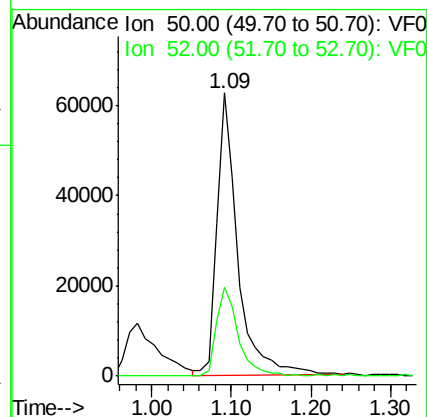
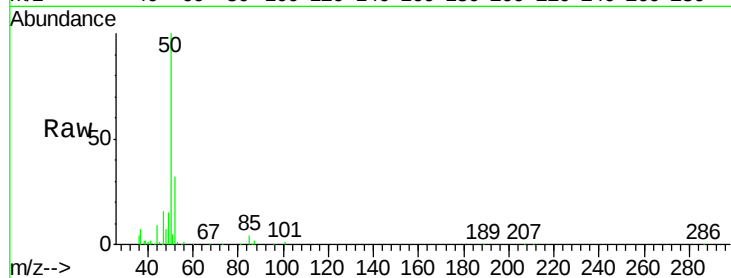
VSTDIC075

Tot Ion: 50 Resp: 114289

Ion Ratio Lower Upper

50 100

52 31.6 24.6 37.0



#4

Vinyl Chloride

Concen: 65.463 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059514.D

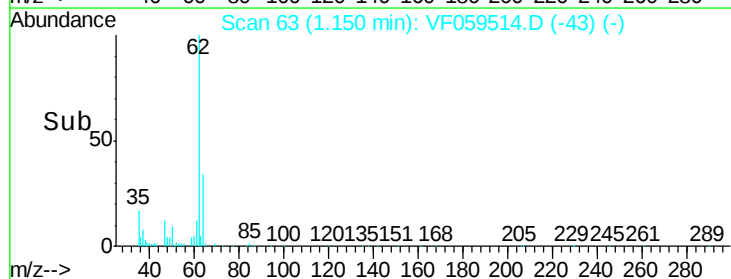
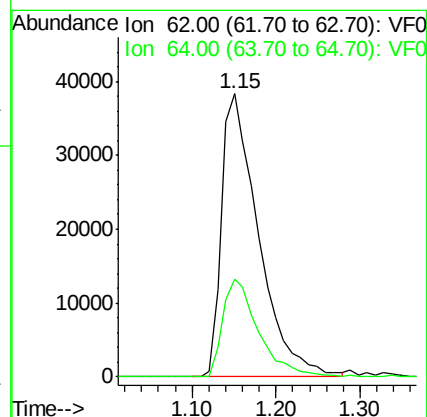
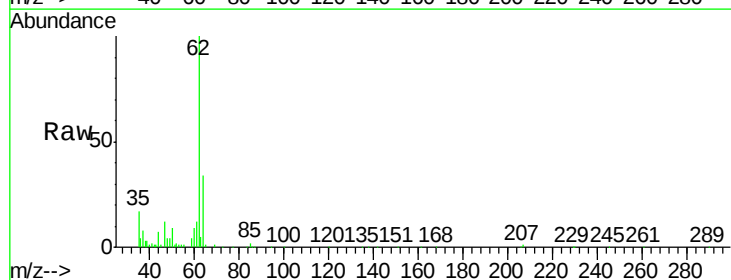
Acq: 17 Jul 2018 18:28

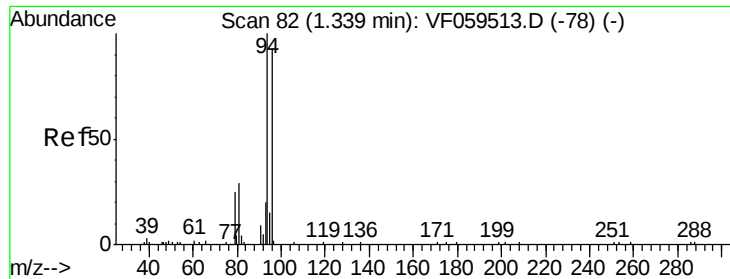
Tgt Ion: 62 Resp: 117116

Ion Ratio Lower Upper

62 100

64 34.3 25.7 38.5





#5

Bromomethane

Concen: 66.342 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

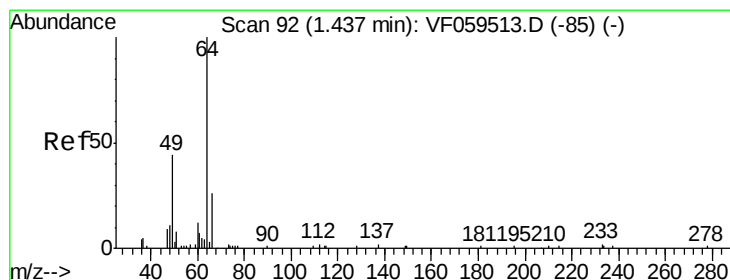
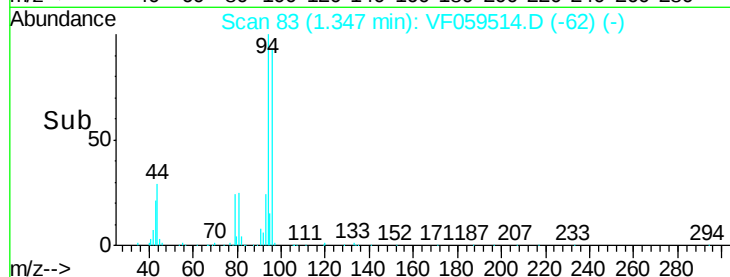
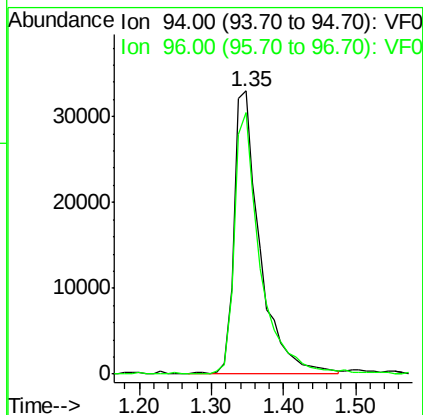
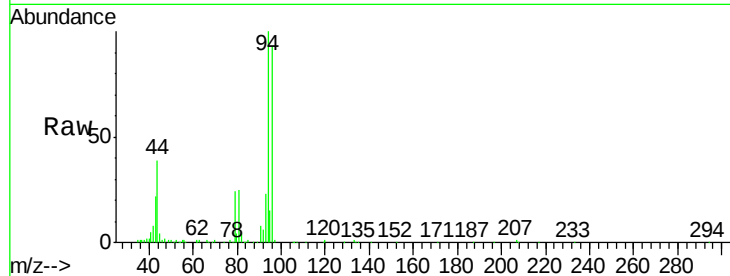
VSTDIC075

Tot Ion: 94 Resp: 82666

Ion Ratio Lower Upper

94 100

96 92.6 74.2 111.2



#6

Chloroethane

Concen: 65.941 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059514.D

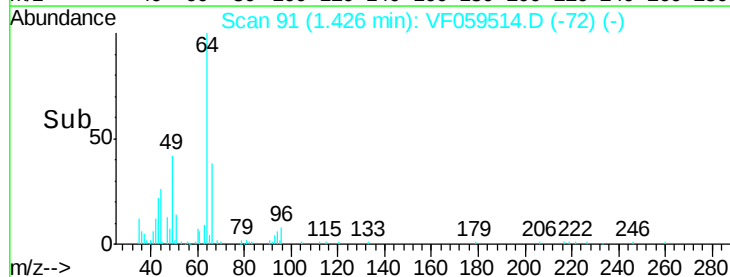
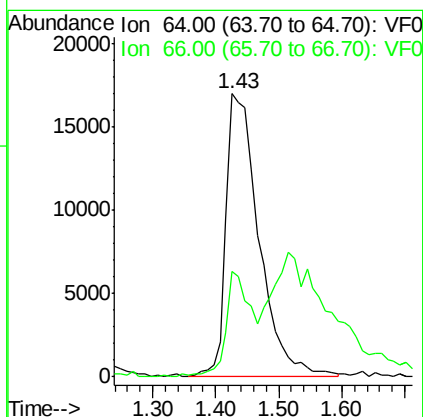
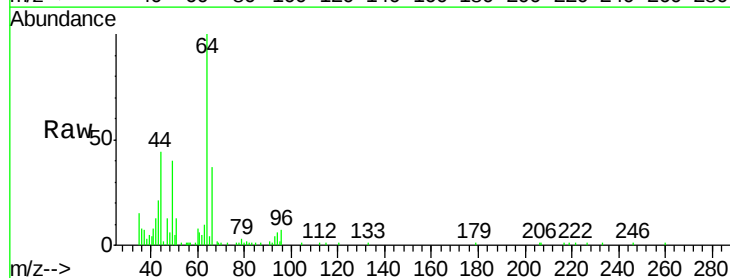
Acq: 17 Jul 2018 18:28

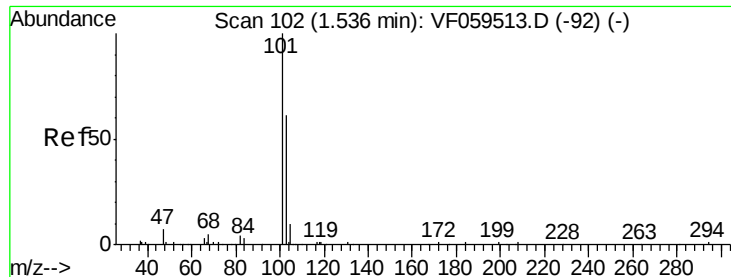
Tgt Ion: 64 Resp: 61730

Ion Ratio Lower Upper

64 100

66 37.3 22.9 34.3#



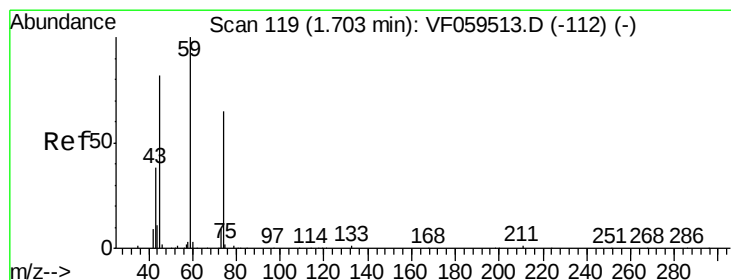
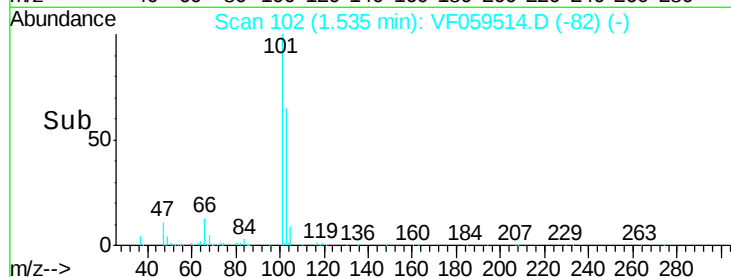
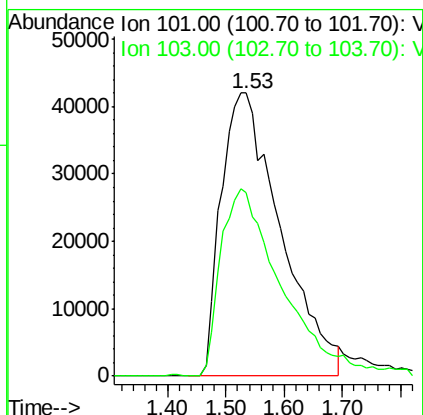
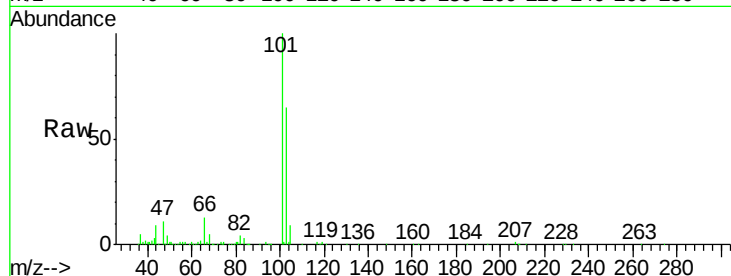


#7

Trichlorofluoromethane
Concen: 72.783 ug/l
RT: 1.53 min Scan# 102
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

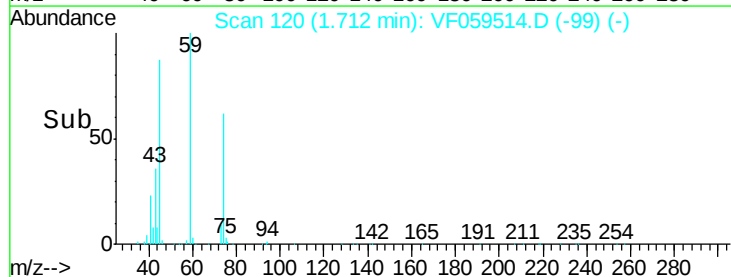
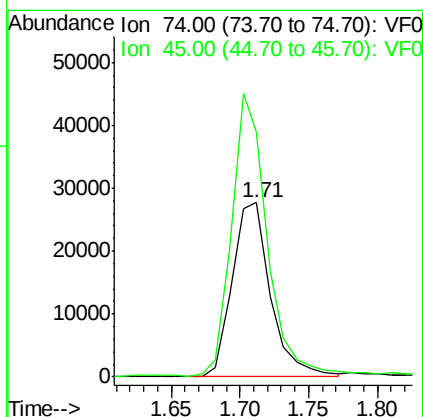
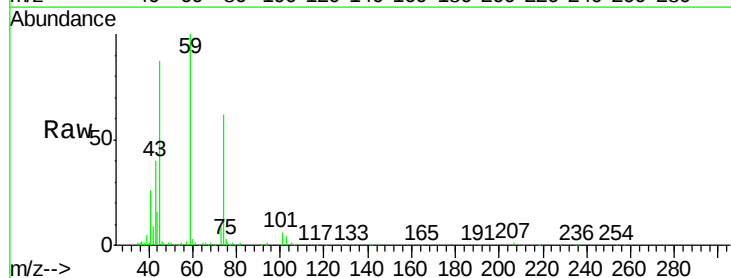
Tot Ion:101 Resp: 298879
Ion Ratio Lower Upper
101 100
103 64.6 48.6 72.8

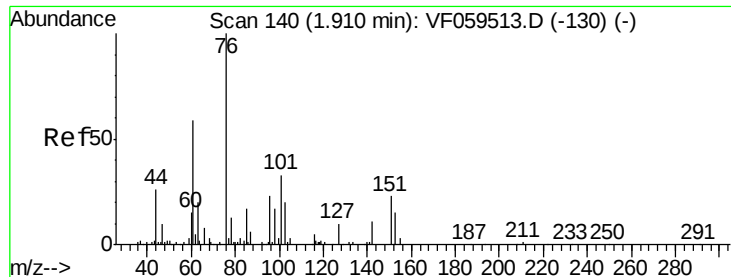


#8

Diethyl Ether
Concen: 65.398 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion: 74 Resp: 53803
Ion Ratio Lower Upper
74 100
45 140.7 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.067 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

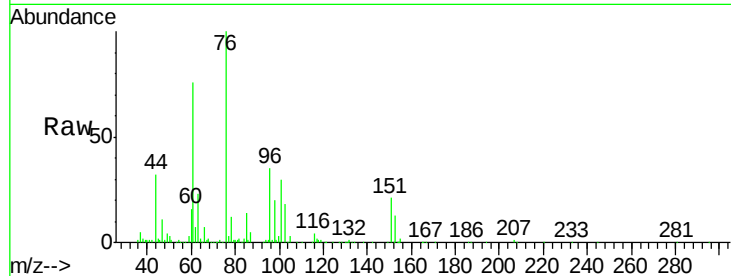
Tot Ion:101 Resp: 111316

Ion Ratio Lower Upper

101 100

85 47.4 39.8 59.6

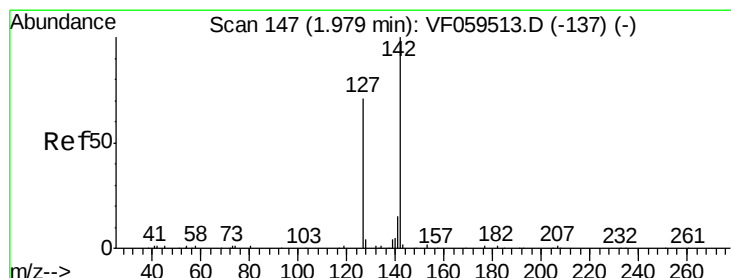
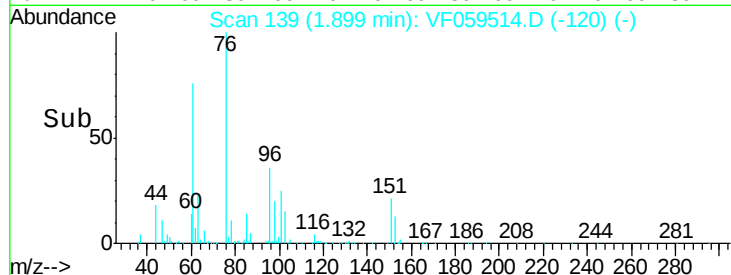
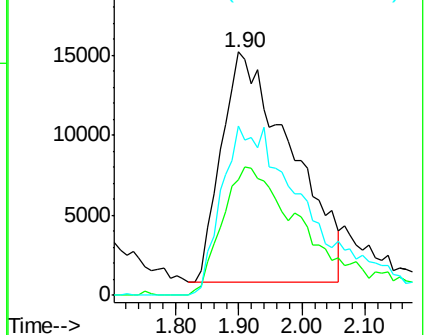
151 69.4 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 66.504 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

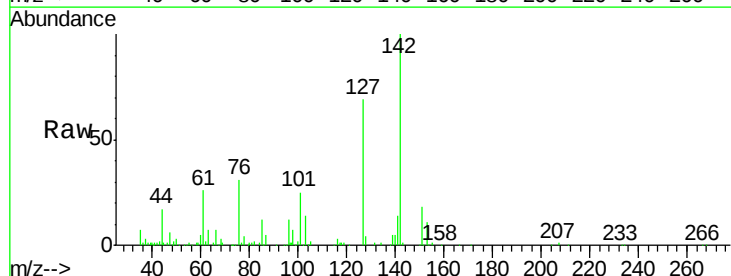
Tgt Ion:142 Resp: 218640

Ion Ratio Lower Upper

142 100

127 69.1 56.4 84.6

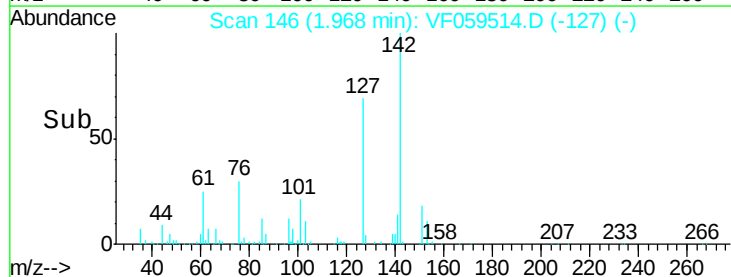
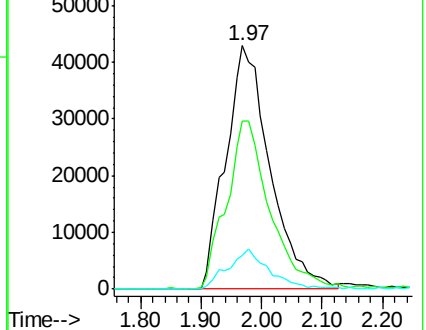
141 14.1 12.0 18.0

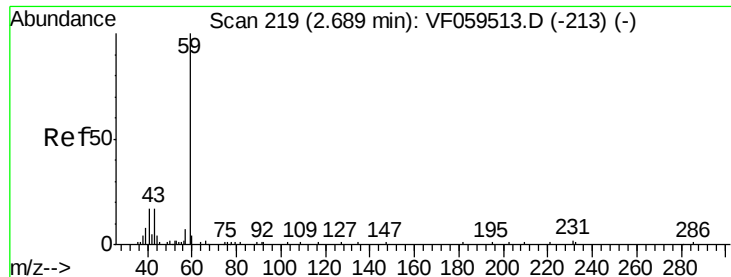


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



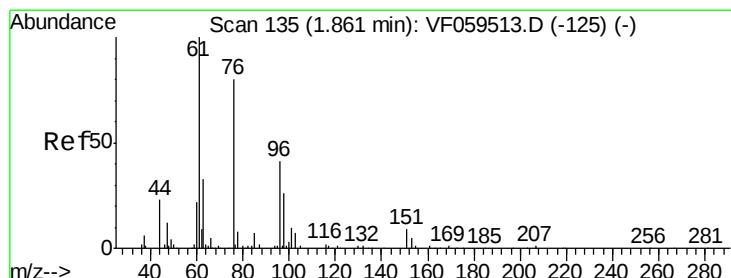
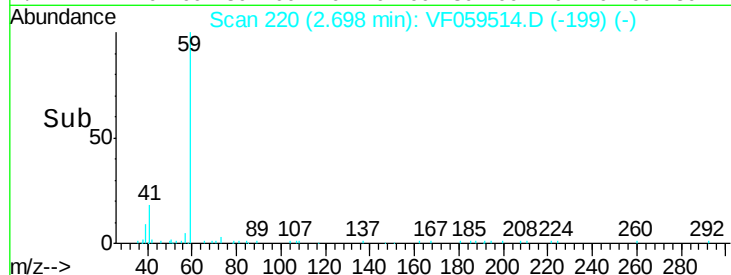
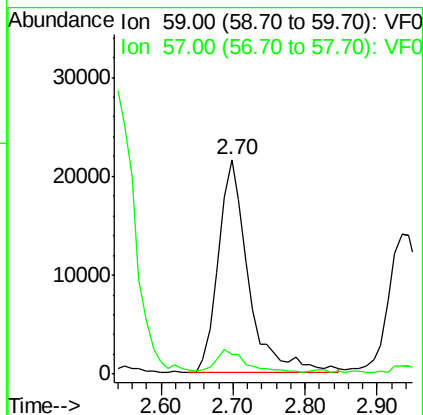
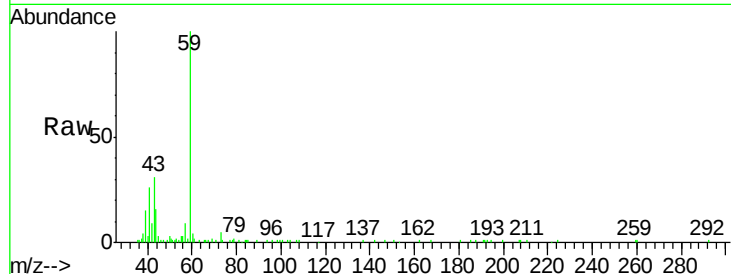


#11

Tert butyl alcohol
Concen: 333.715 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

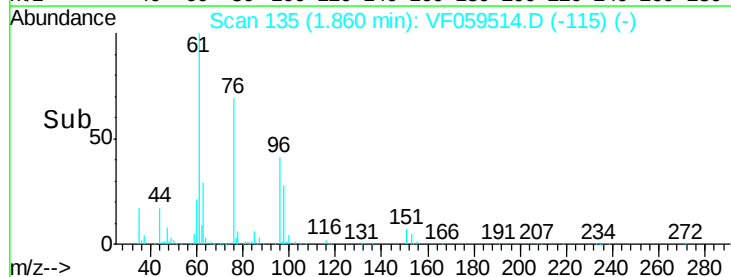
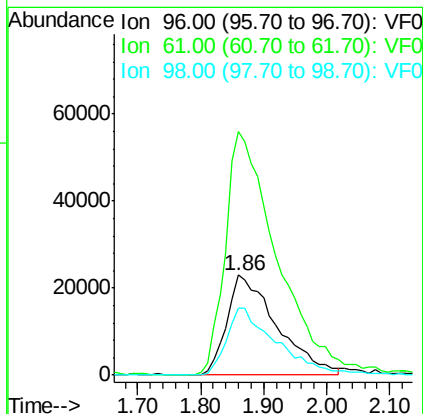
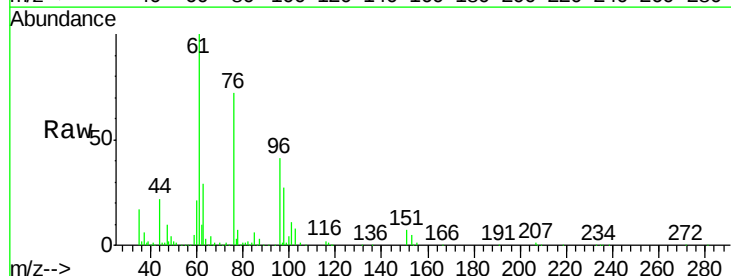
Tot Ion: 59 Resp: 62542
Ion Ratio Lower Upper
59 100
57 8.9 7.7 11.5

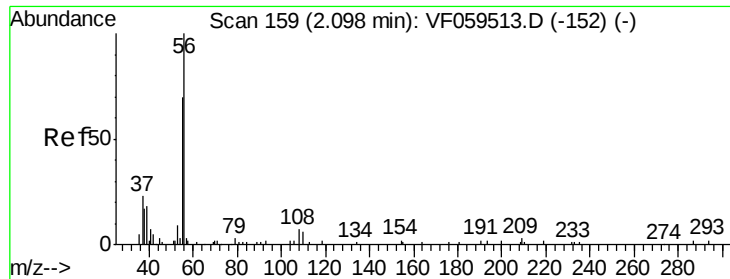


#12

1,1-Dichloroethene
Concen: 67.506 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion: 96 Resp: 127181
Ion Ratio Lower Upper
96 100
61 243.9 194.3 291.5
98 68.7 50.3 75.5

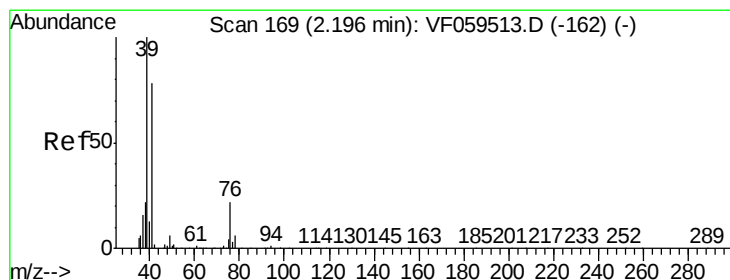
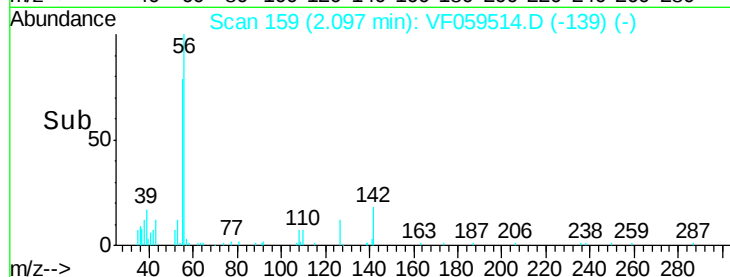
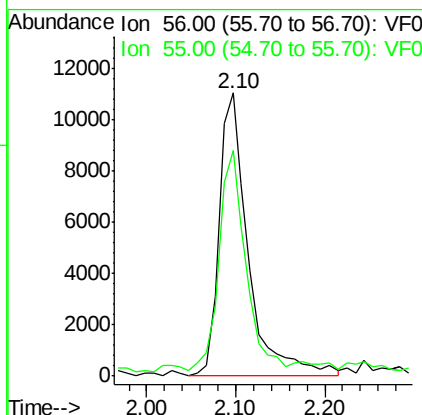
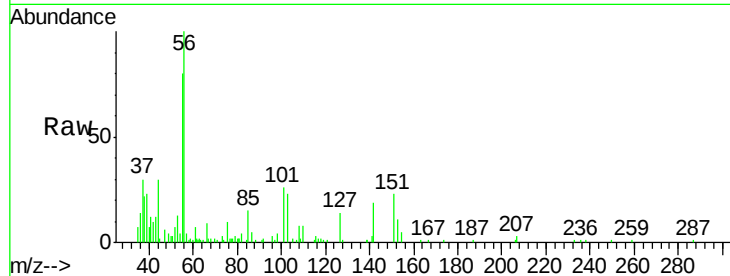




#13
 Acrolein
 Concen: 242.084 ug/l
 RT: 2.10 min Scan# 159
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

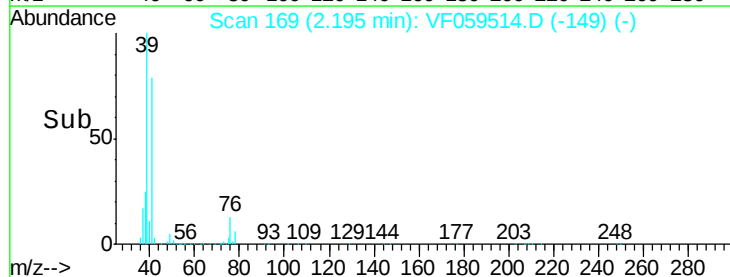
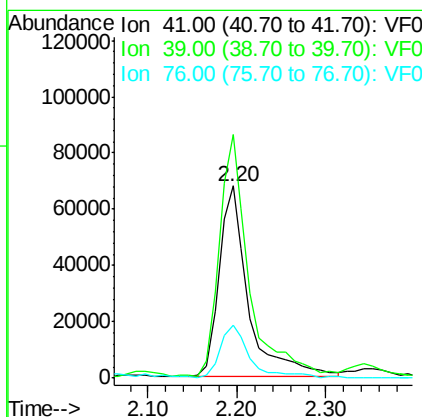
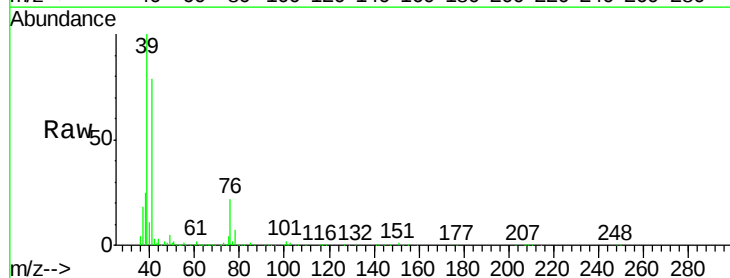
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

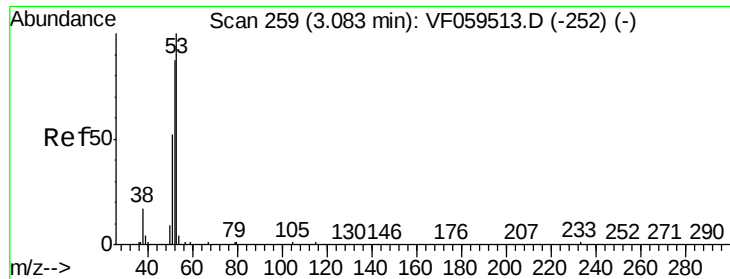
Tot Ion: 56 Resp: 25347
 Ion Ratio Lower Upper
 56 100
 55 79.8 59.4 89.2



#14
 Allyl chloride
 Concen: 63.536 ug/l
 RT: 2.20 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion: 41 Resp: 156992
 Ion Ratio Lower Upper
 41 100
 39 126.9 103.0 154.4
 76 27.8 22.6 34.0





#15

Acrylonitrile

Concen: 352.986 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

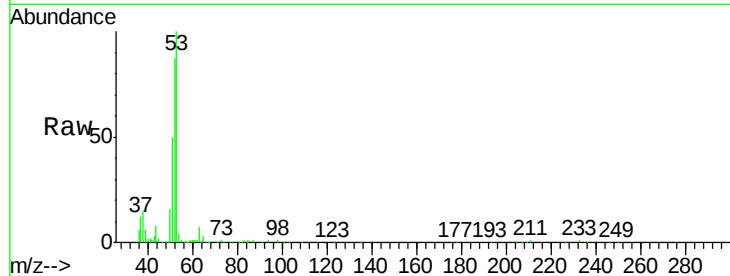
Tot Ion: 53 Resp: 122079

Ion Ratio Lower Upper

53 100

52 86.8 70.1 105.1

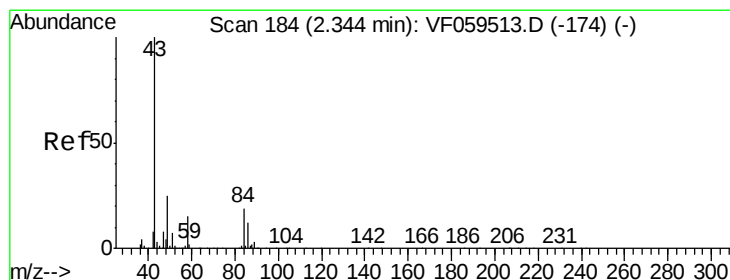
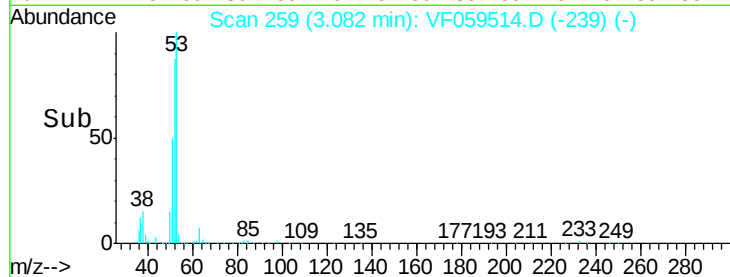
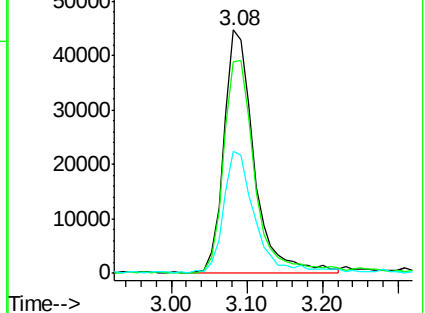
51 50.3 42.5 63.7



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 339.286 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF059514.D

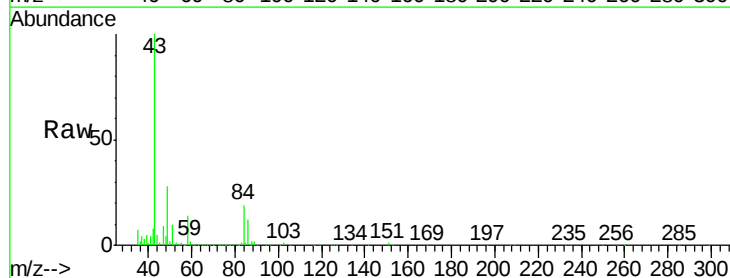
Acq: 17 Jul 2018 18:28

Tgt Ion: 43 Resp: 232861

Ion Ratio Lower Upper

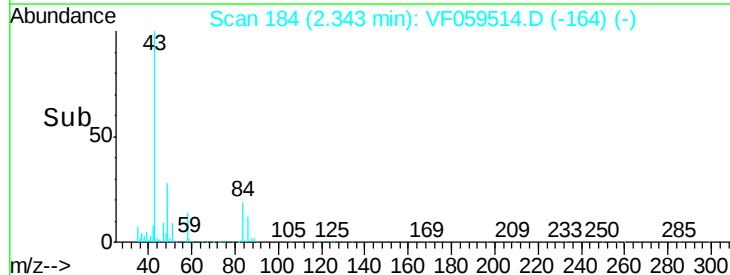
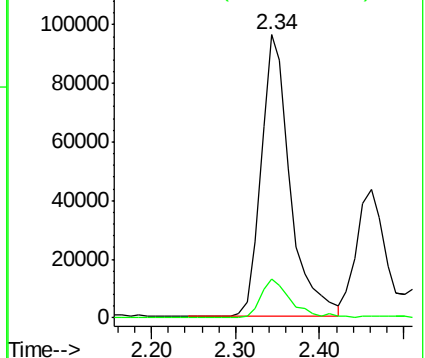
43 100

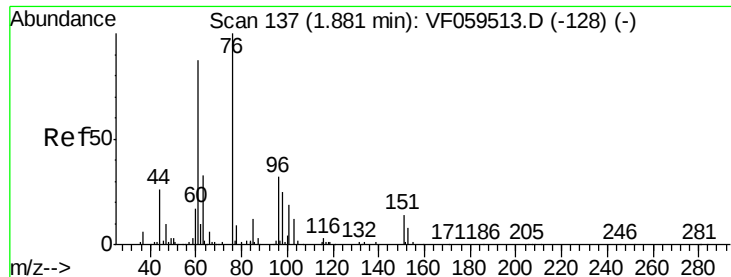
58 13.6 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

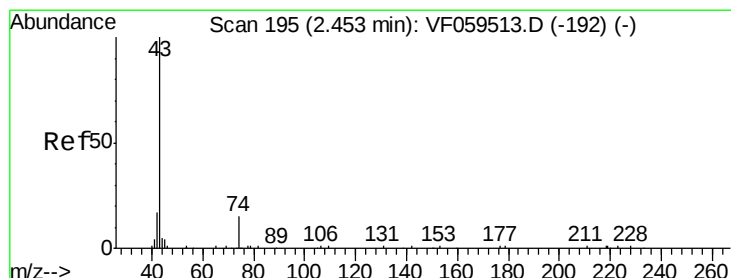
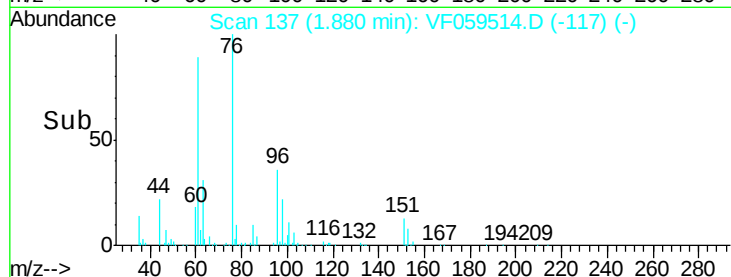
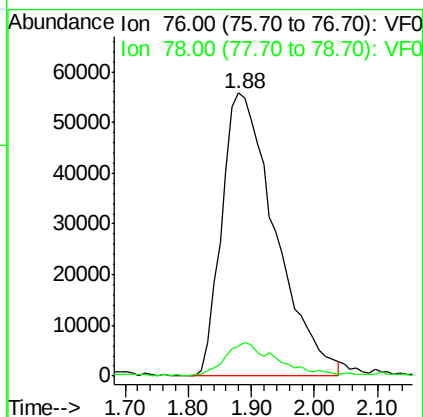
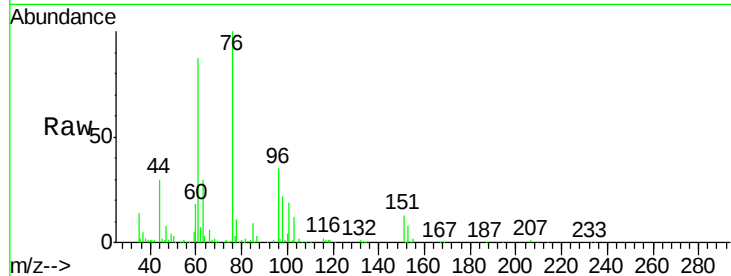




#17
Carbon Disulfide
Concen: 64.210 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

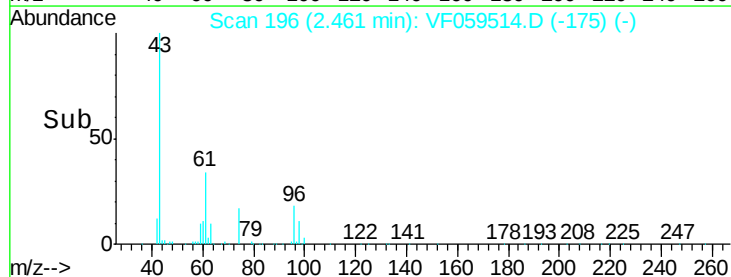
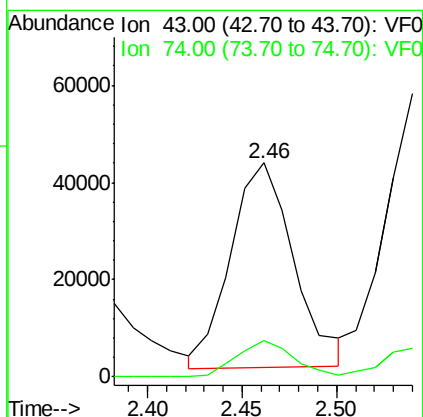
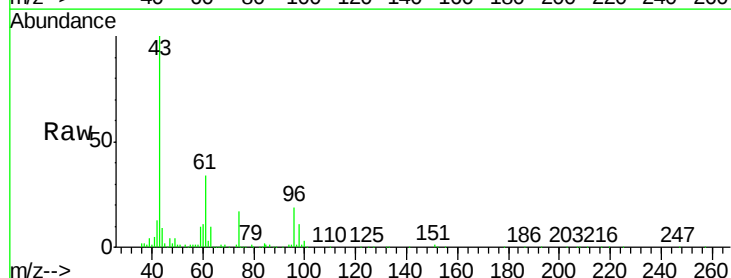
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

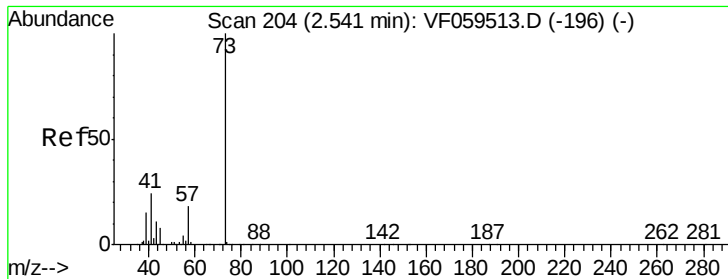
Tot Ion: 76 Resp: 328361
Ion Ratio Lower Upper
76 100
78 10.6 7.8 11.6



#18
Methyl Acetate
Concen: 69.487 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion: 43 Resp: 97917
Ion Ratio Lower Upper
43 100
74 16.9 10.6 15.8#



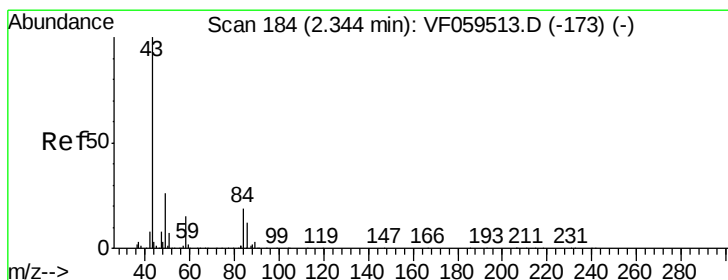
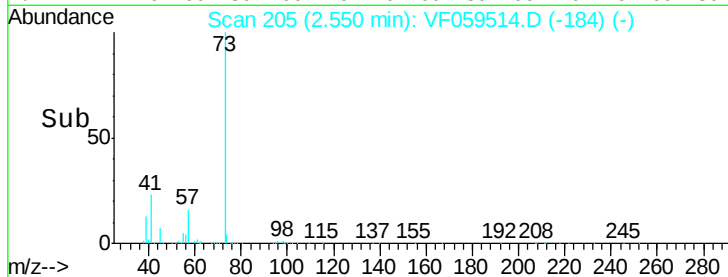
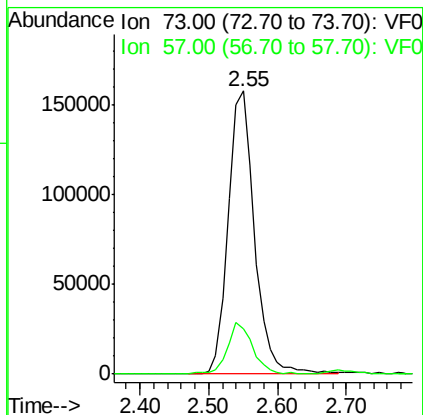
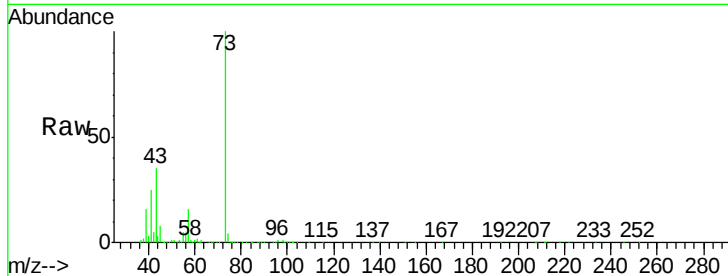


#19

Methyl tert-butyl Ether
 Concen: 67.774 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

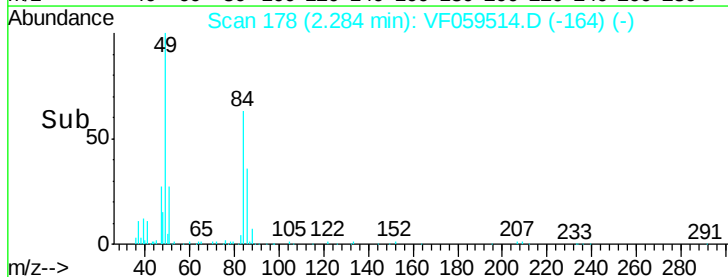
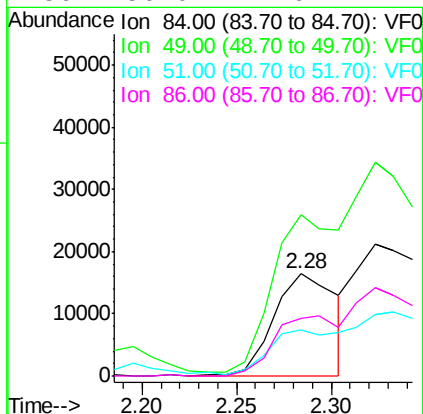
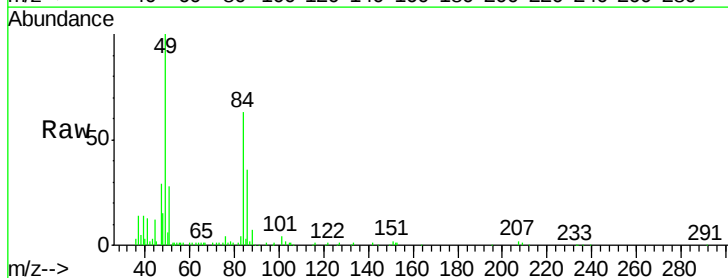
Tot Ion: 73 Resp: 417628
 Ion Ratio Lower Upper
 73 100
 57 16.0 14.3 21.5

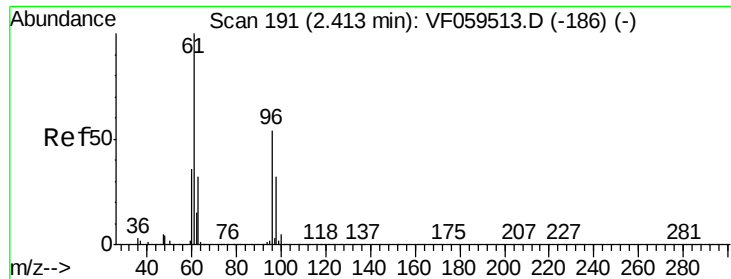


#20

Methylene Chloride
 Concen: 15.337 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. -0.06 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion: 84 Resp: 37686
 Ion Ratio Lower Upper
 84 100
 49 157.5 109.4 164.2
 51 44.6 30.5 45.7
 86 56.0 47.6 71.4





#21

trans-1,2-Dichloroethene

Concen: 68.115 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

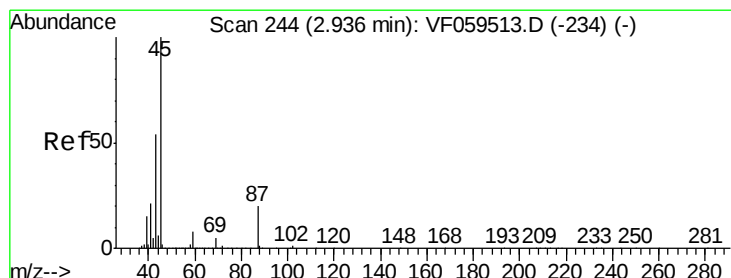
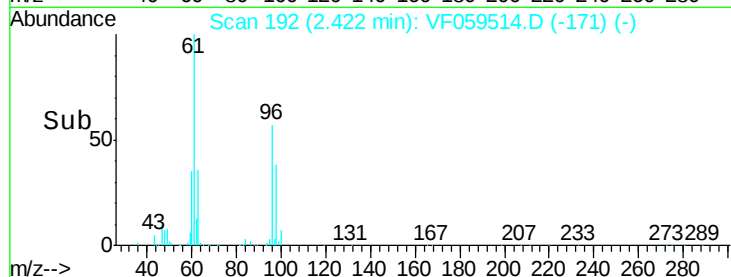
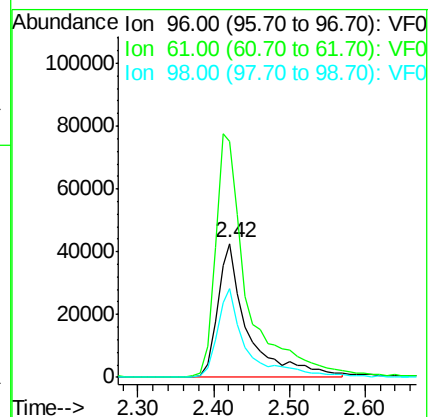
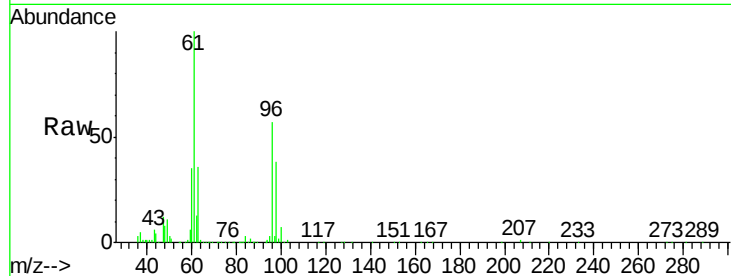
Tot Ion: 96 Resp: 116901

Ion Ratio Lower Upper

96 100

61 176.2 149.8 224.8

98 66.5 47.8 71.8



#22

Diisopropyl ether

Concen: 65.822 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion: 45 Resp: 466253

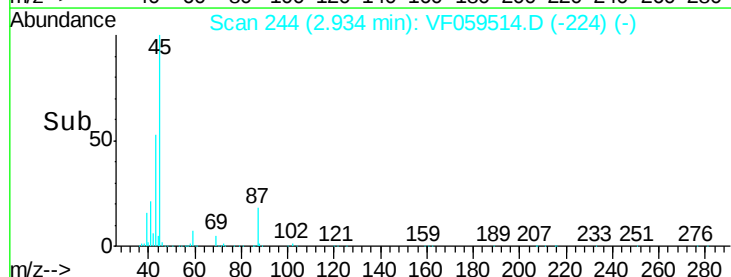
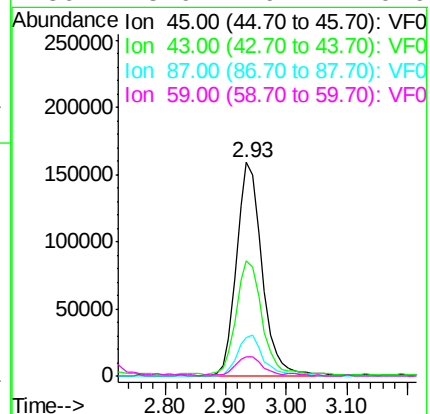
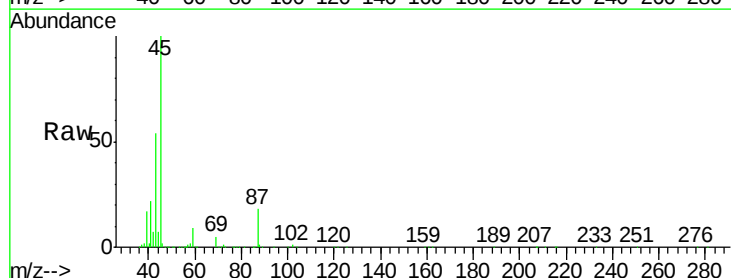
Ion Ratio Lower Upper

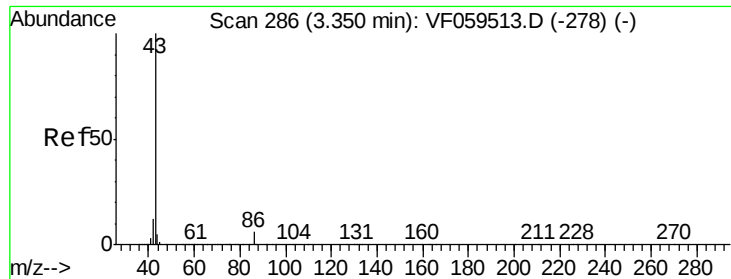
45 100

43 53.7 43.6 65.4

87 17.9 15.6 23.4

59 8.9 6.4 9.6





#23

Vinyl Acetate

Concen: 336.950 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

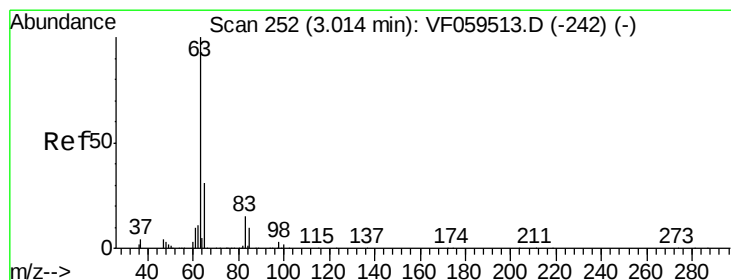
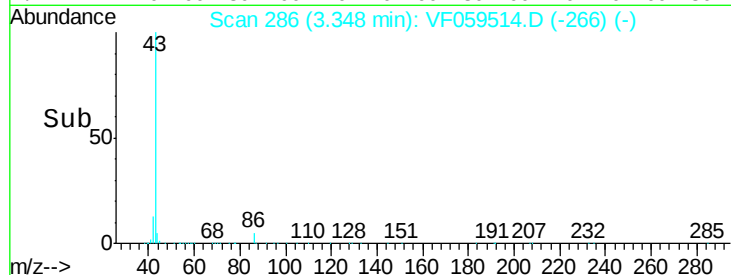
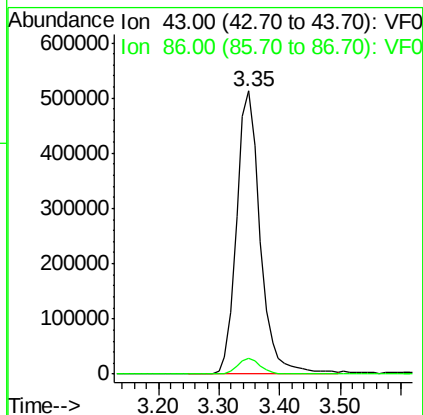
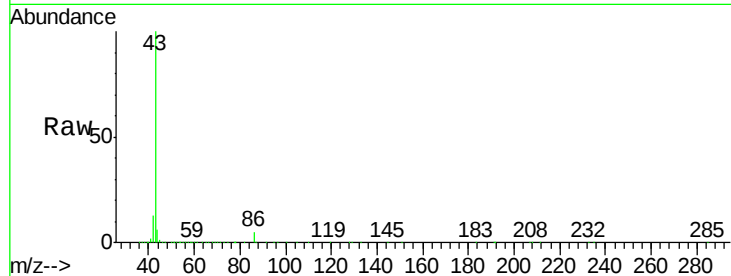
VSTDIC075

Tot Ion: 43 Resp: 1387003

Ion Ratio Lower Upper

43 100

86 5.5 4.4 6.6



#24

1,1-Dichloroethane

Concen: 73.943 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

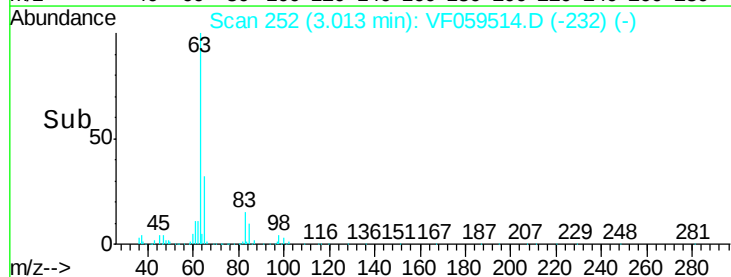
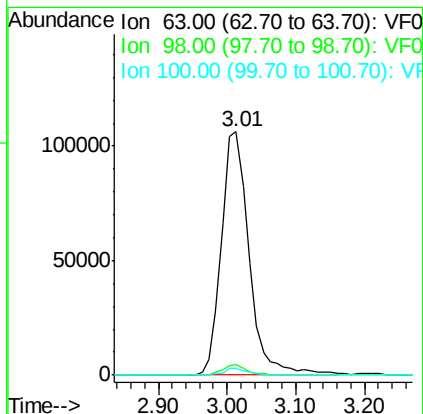
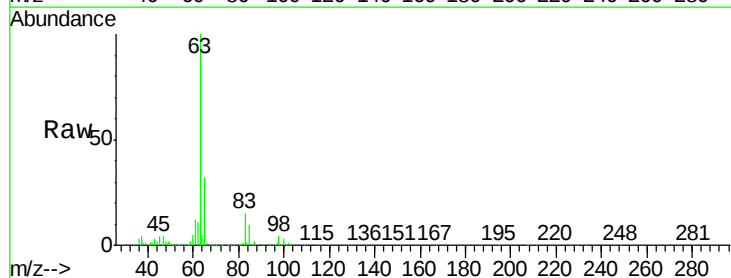
Tgt Ion: 63 Resp: 297340

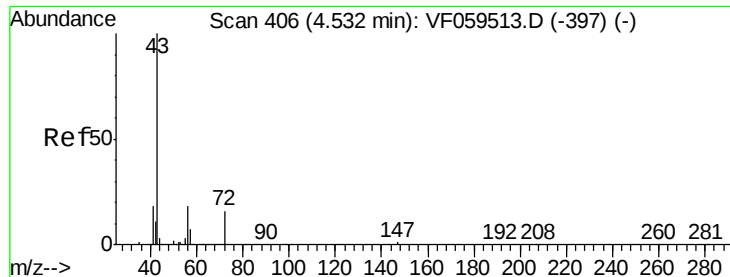
Ion Ratio Lower Upper

63 100

98 4.5 1.8 5.4

100 2.5 1.3 3.8





#25

2-Butanone

Concen: 322.893 ug/l

RT: 4.53 min Scan# 406

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

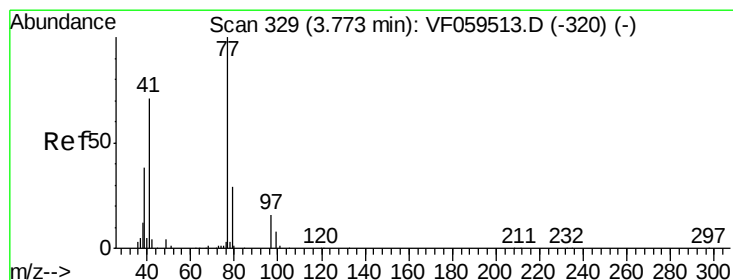
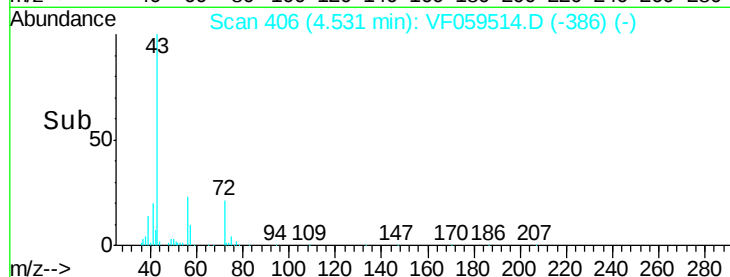
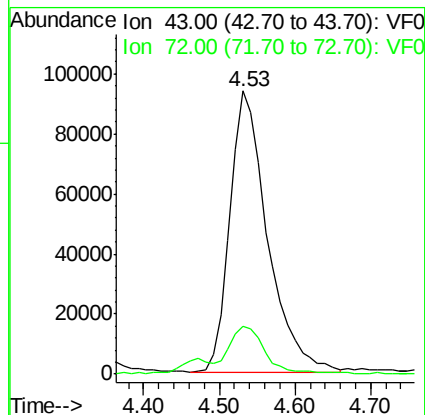
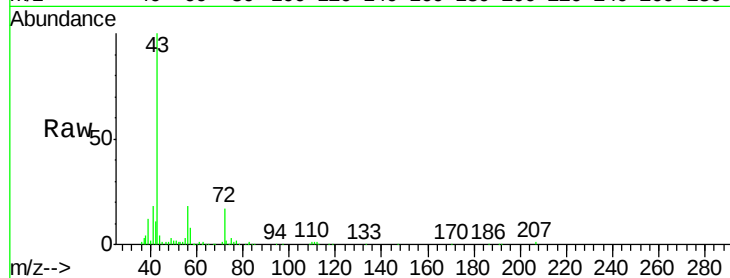
VSTDIC075

Tot Ion: 43 Resp: 322124

Ion Ratio Lower Upper

43 100

72 16.9 14.2 21.4



#26

2,2-Dichloropropane

Concen: 65.953 ug/l

RT: 3.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF059514.D

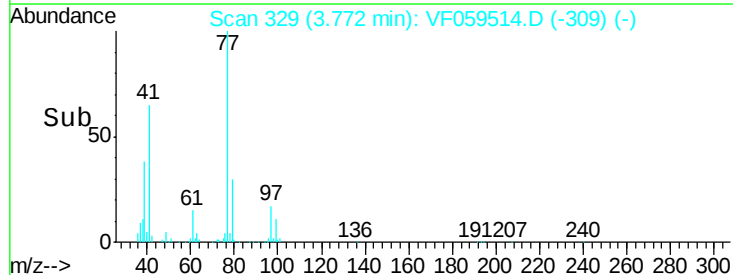
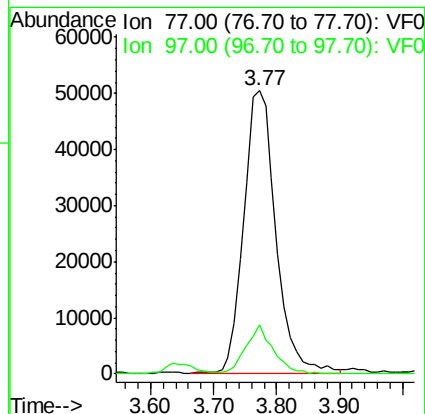
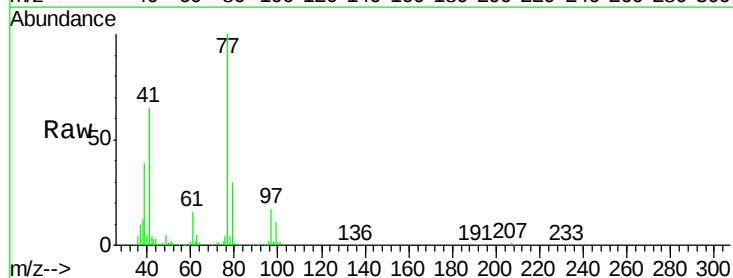
Acq: 17 Jul 2018 18:28

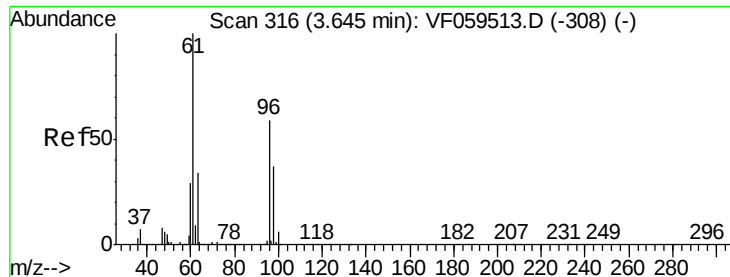
Tgt Ion: 77 Resp: 177988

Ion Ratio Lower Upper

77 100

97 17.2 8.1 24.3



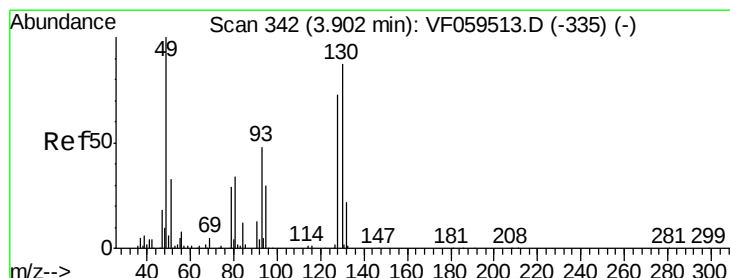
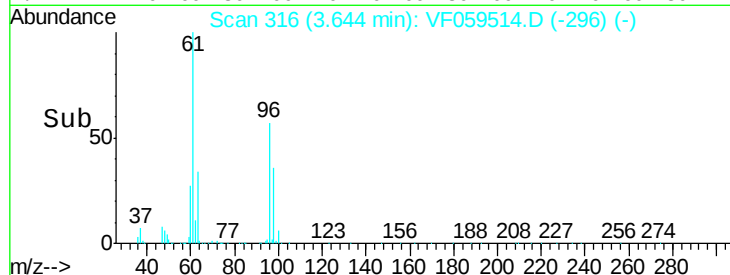
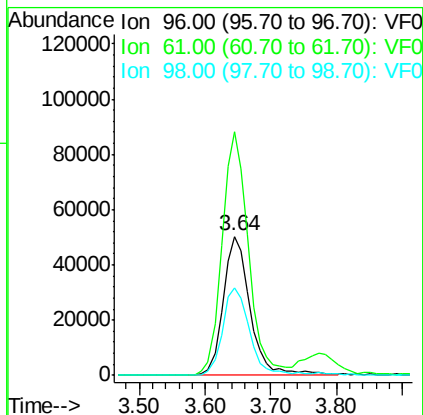
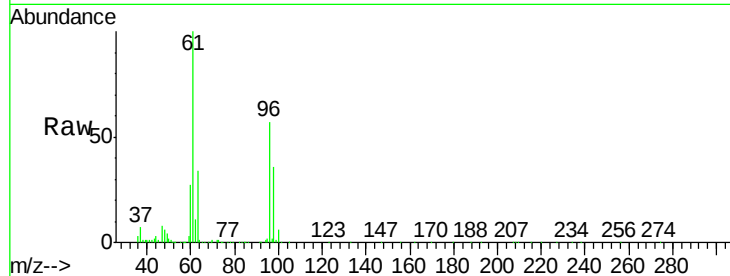


#27

cis-1,2-Dichloroethene
Concen: 61.698 ug/l
RT: 3.64 min Scan# 316
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

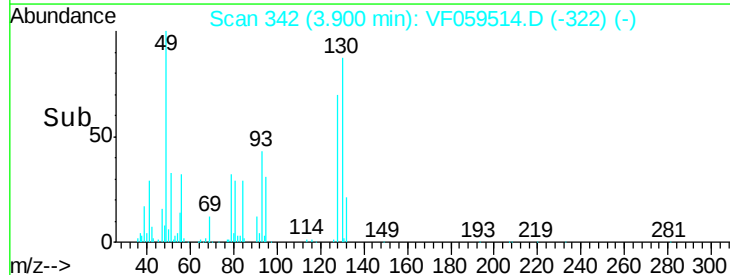
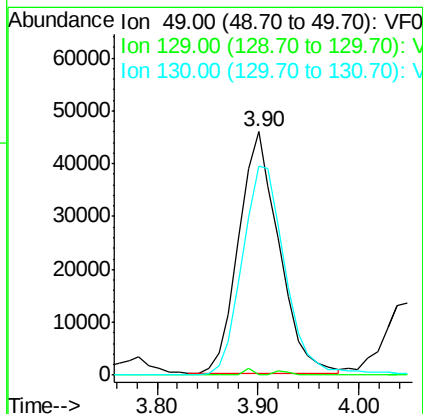
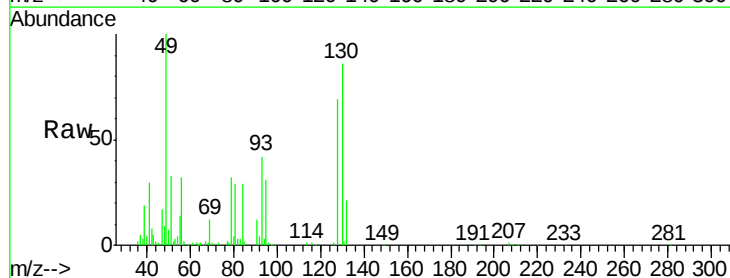
Tot Ion: 96 Resp: 144744
Ion Ratio Lower Upper
96 100
61 175.3 0.0 339.0
98 63.1 0.0 125.4

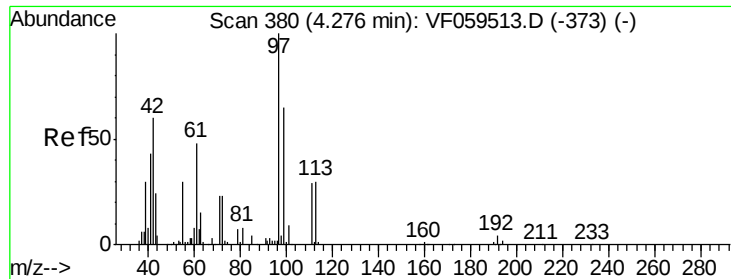


#28

Bromochloromethane
Concen: 67.846 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion: 49 Resp: 126509
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 86.1 69.8 104.6

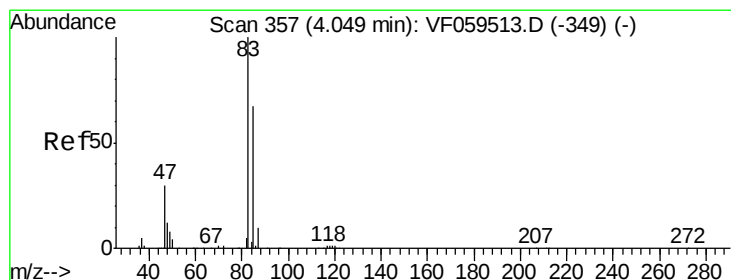
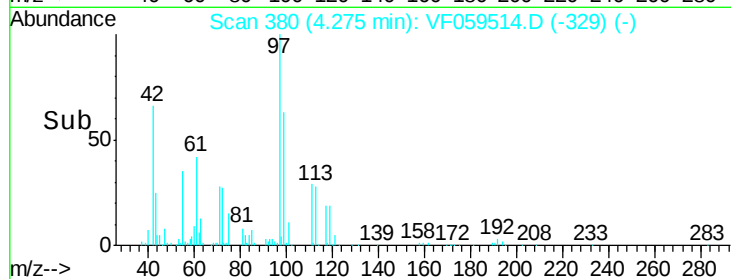
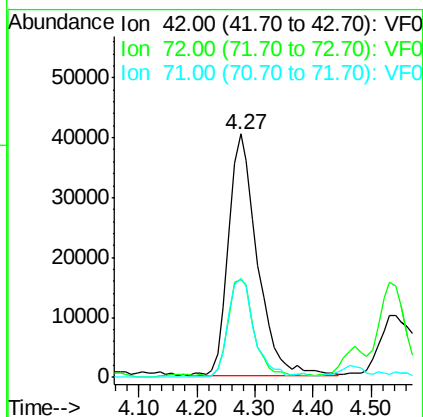
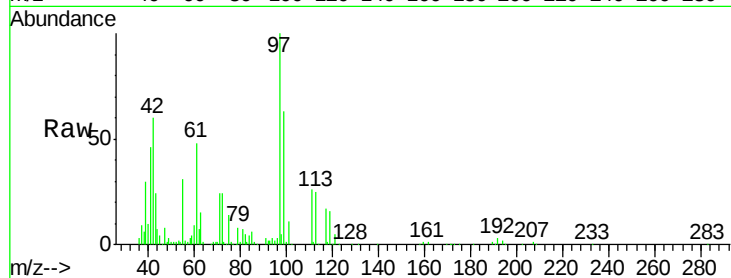




#29
Tetrahydrofuran
Concen: 324.375 ug/l
RT: 4.27 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

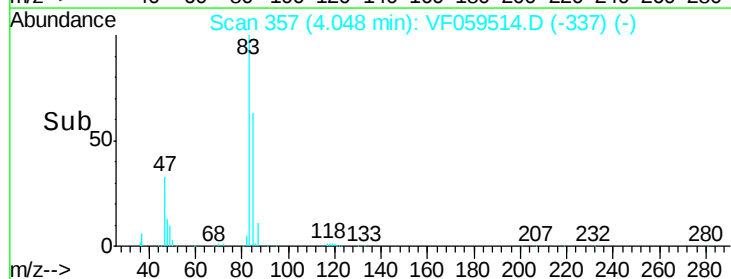
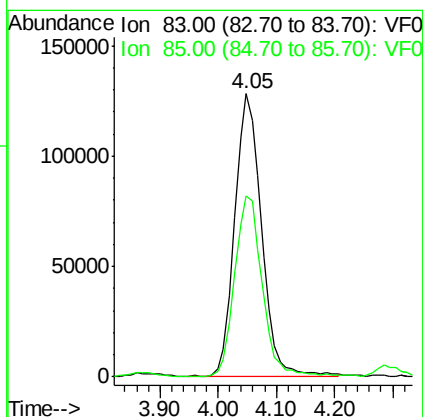
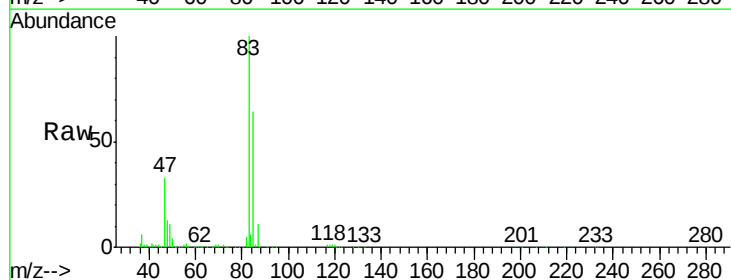
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

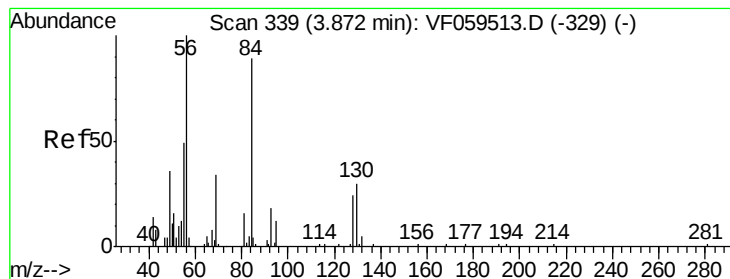
Tot Ion: 42 Resp: 139004
Ion Ratio Lower Upper
42 100
72 35.1 28.7 43.1
71 37.0 30.8 46.2



#30
Chloroform
Concen: 67.971 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion: 83 Resp: 410520
Ion Ratio Lower Upper
83 100
85 64.0 53.2 79.8





#31

Cyclohexane

Concen: 55.177 ug/l

RT: 3.87 min Scan# 339

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

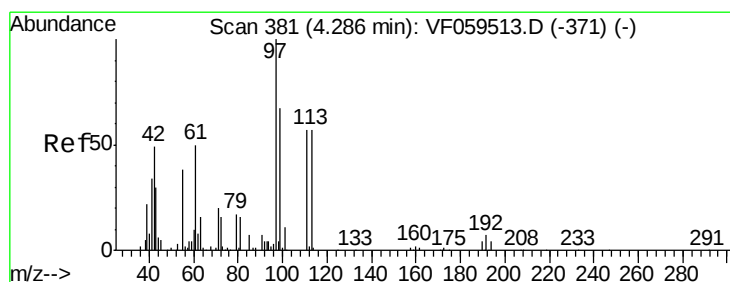
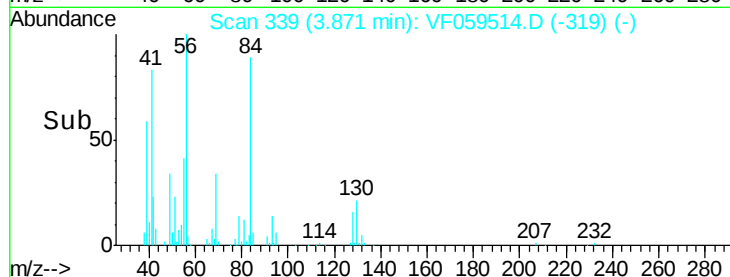
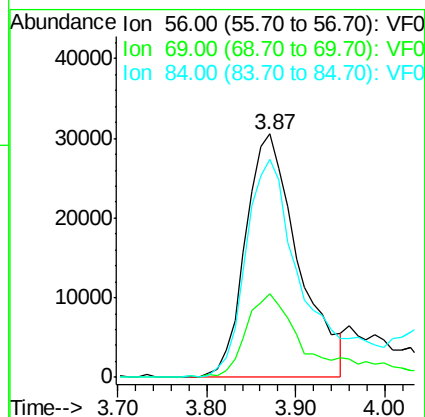
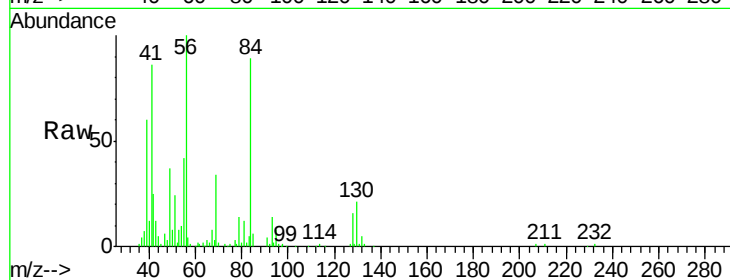
Tot Ion: 56 Resp: 125320

Ion Ratio Lower Upper

56 100

69 34.1 27.6 41.4

84 89.5 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 63.387 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

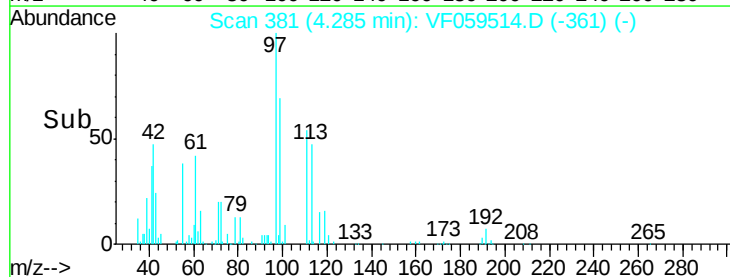
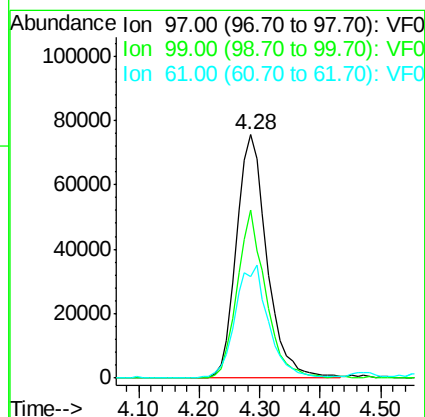
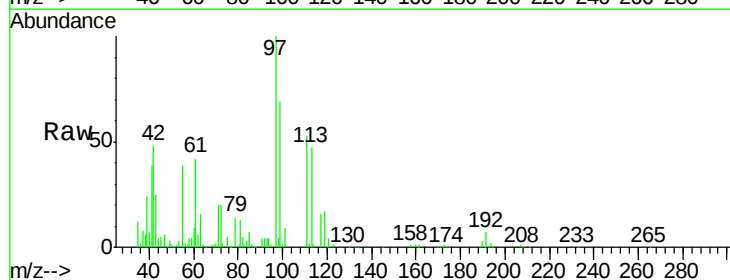
Tgt Ion: 97 Resp: 265564

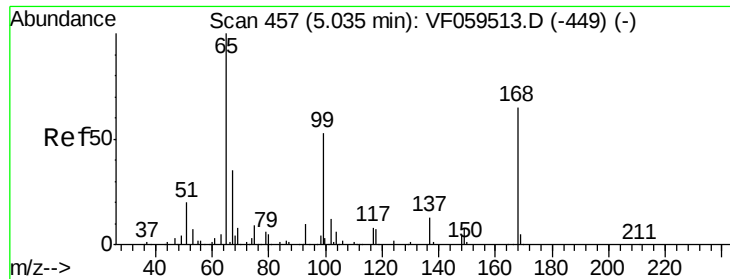
Ion Ratio Lower Upper

97 100

99 69.3 53.5 80.3

61 41.8 39.7 59.5





#33

1,2-Dichloroethane-d4

Concen: 73.078 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

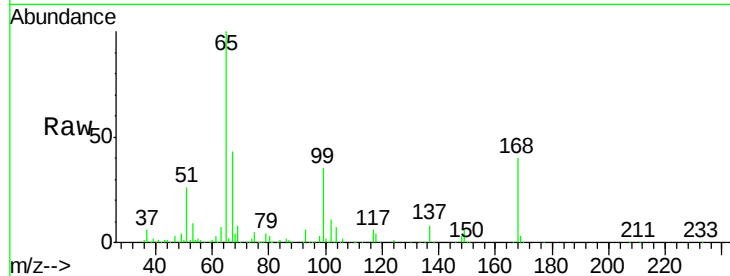
VSTDIC075

Tot Ion: 65 Resp: 295291

Ion Ratio Lower Upper

65 100

67 43.1 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.03

120000

100000

80000

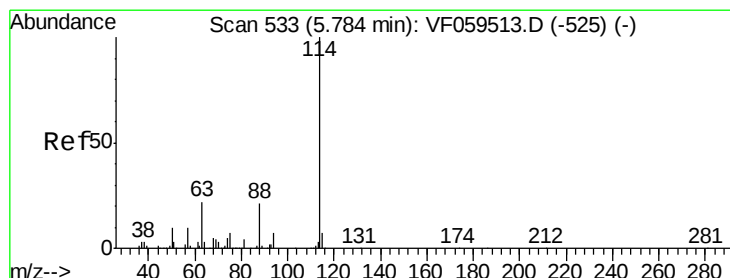
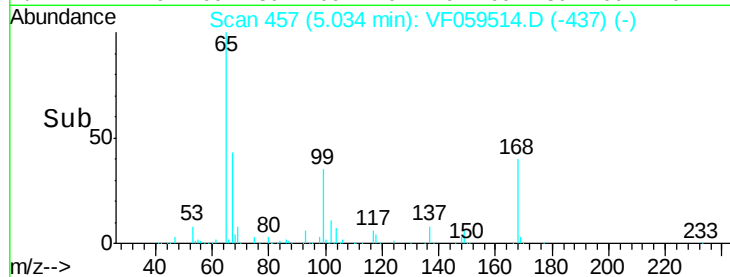
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

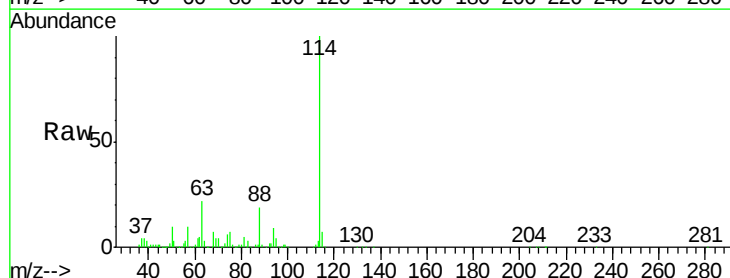
Tgt Ion: 114 Resp: 380614

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.8

88 18.5 0.0 42.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

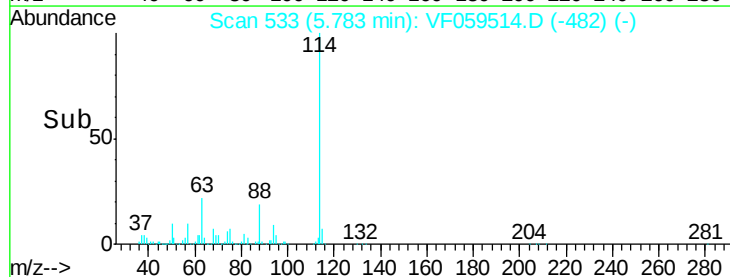
150000

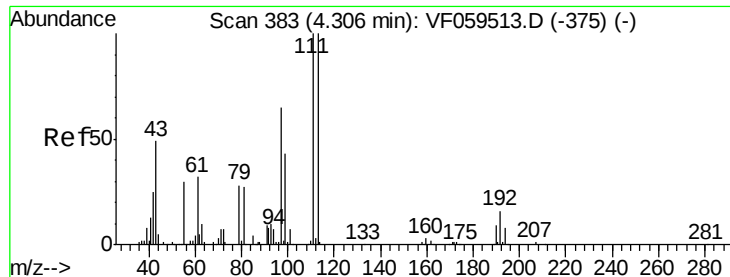
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 69.749 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

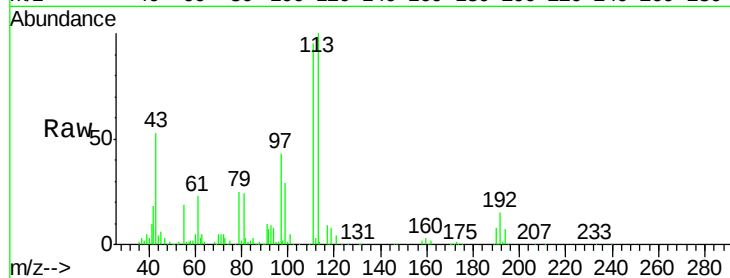
Tot Ion:113 Resp: 230557

Ion Ratio Lower Upper

113 100

111 95.5 80.3 120.5

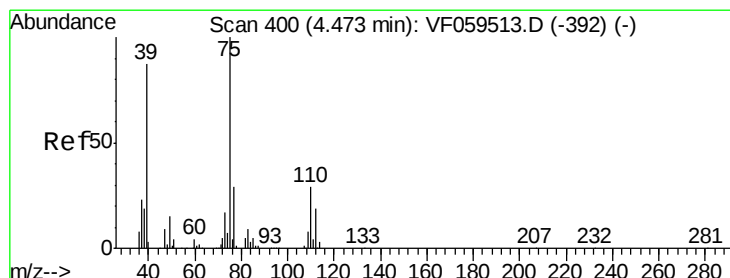
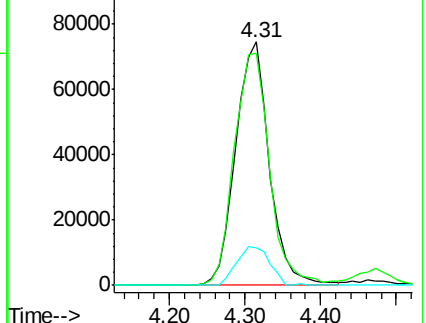
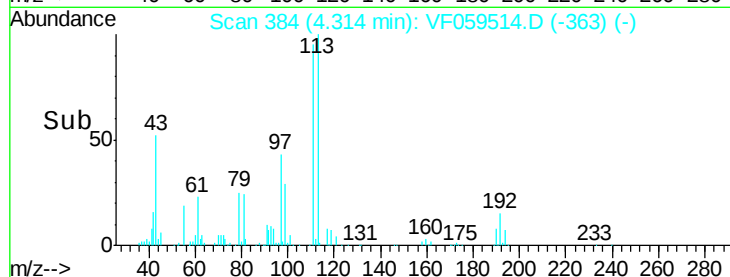
192 15.4 13.1 19.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 68.221 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

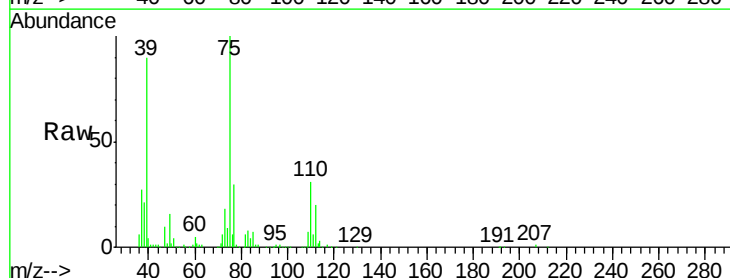
Tgt Ion: 75 Resp: 264427

Ion Ratio Lower Upper

75 100

110 30.5 14.6 43.8

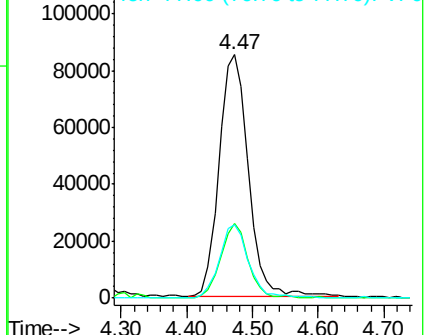
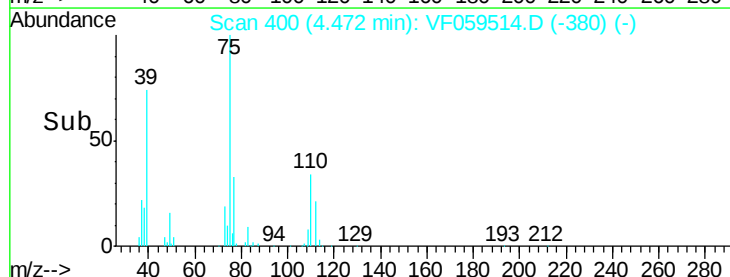
77 30.1 23.7 35.5

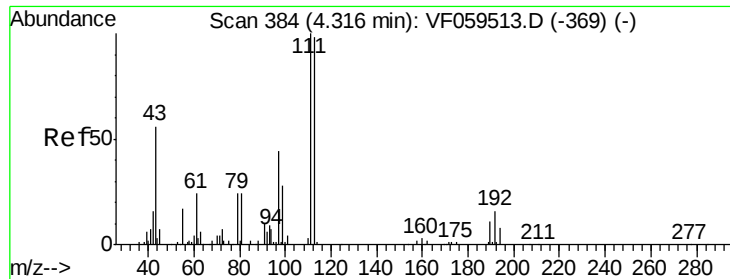


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 62.902 ug/l

RT: 4.31 min Scan# 384

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

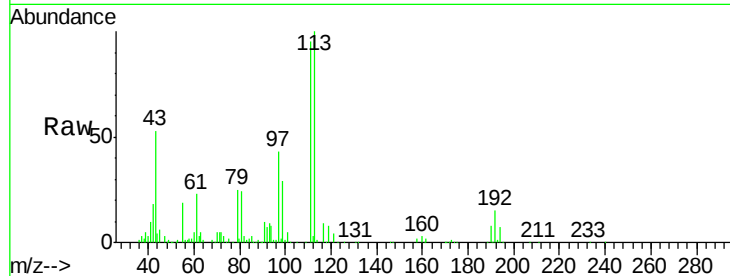
Tot Ion: 43 Resp: 149230

Ion Ratio Lower Upper

43 100

61 44.4 33.7 50.5

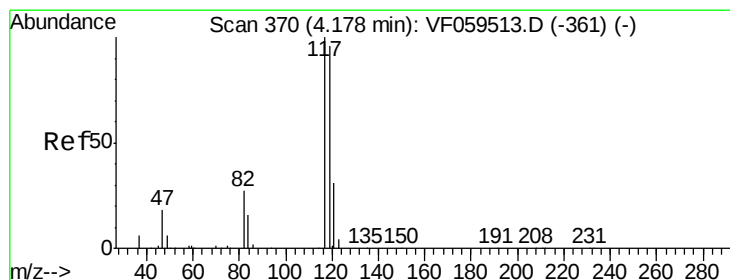
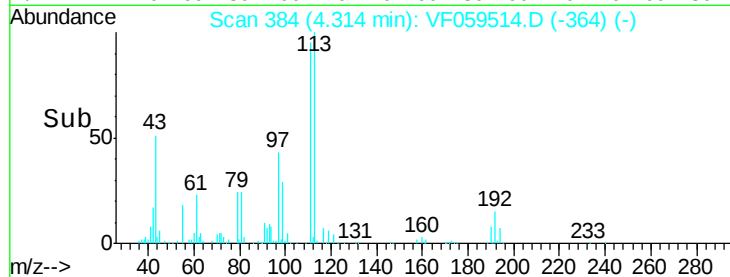
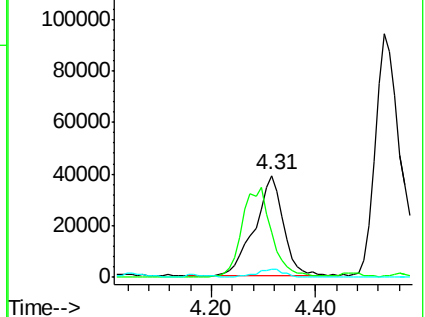
70 8.6 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 65.733 ug/l

RT: 4.18 min Scan# 370

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

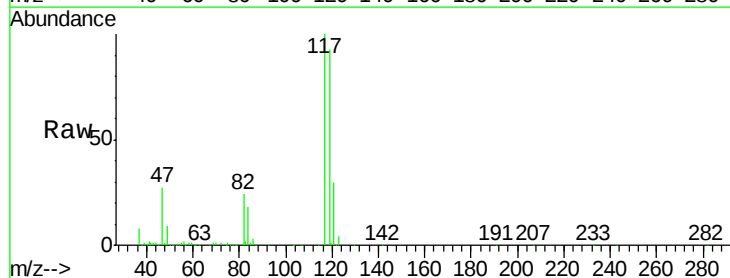
Tgt Ion: 117 Resp: 295428

Ion Ratio Lower Upper

117 100

119 92.7 77.6 116.4

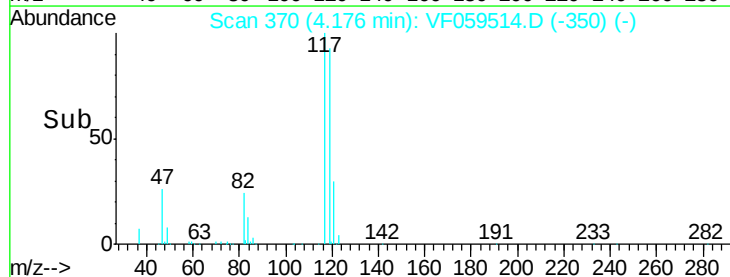
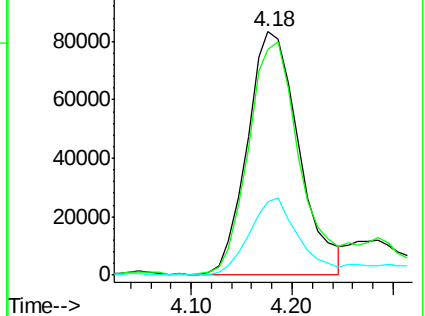
121 30.2 24.9 37.3

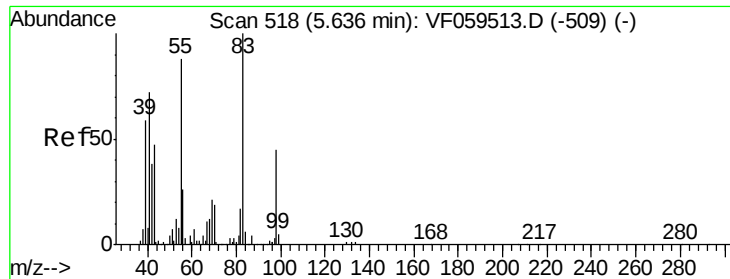


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

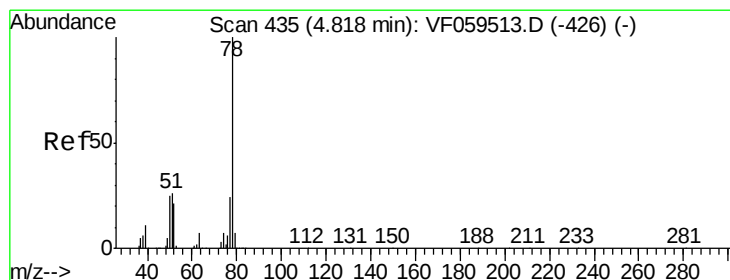
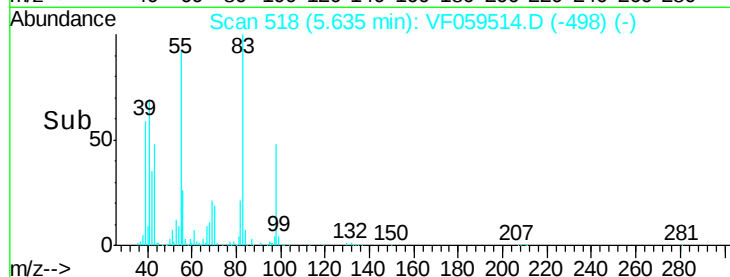
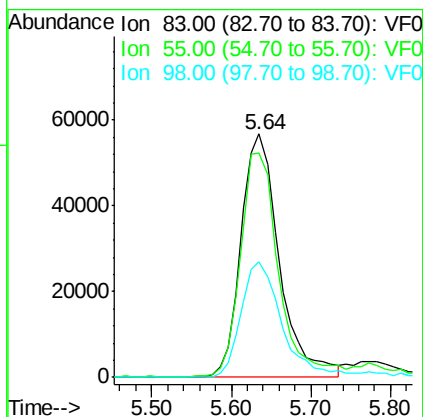
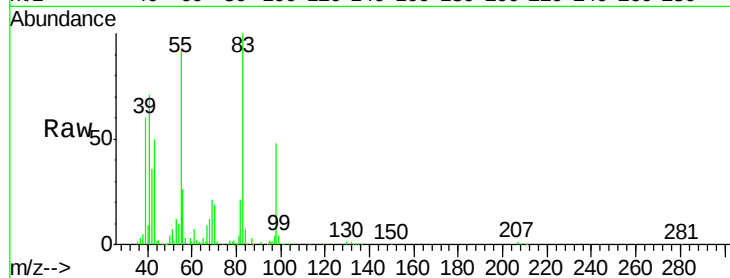




#39
Methvlcvclohexane
Concen: 64.863 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

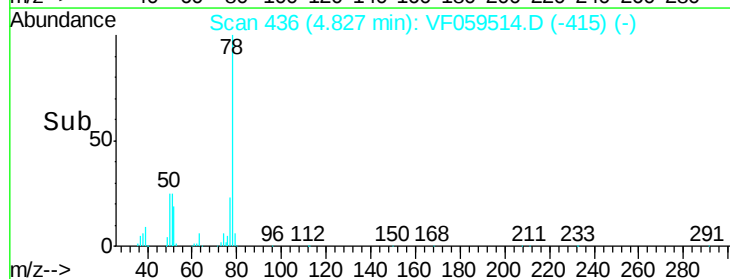
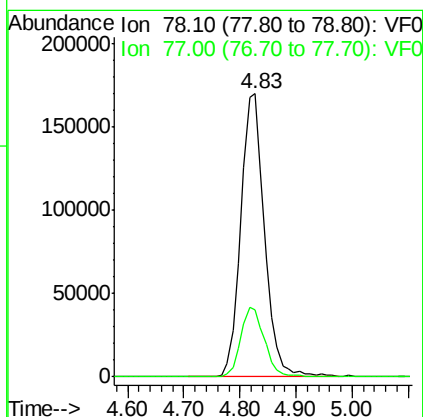
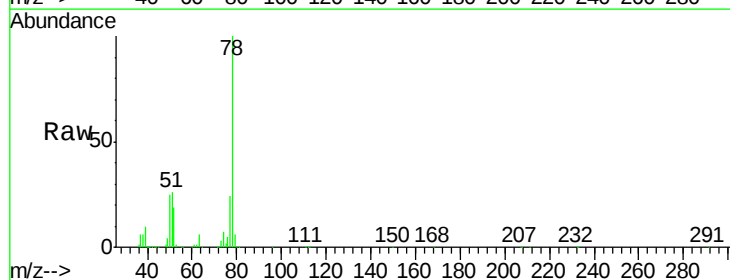
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

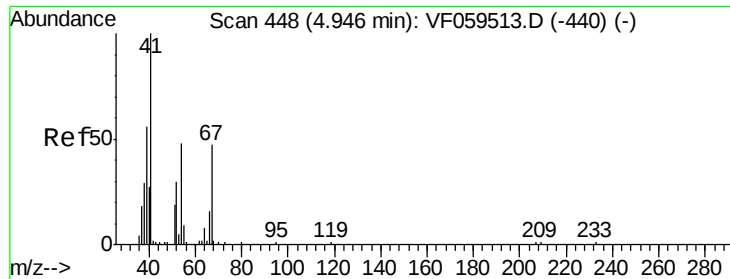
Tot Ion	83.00	Resp	189331
Ion Ratio	Lower	Upper	
83	100		
55	92.2	70.2	105.4
98	47.7	36.2	54.2



#40
Benzene
Concen: 66.214 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.01 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion	78	Resp	498672
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.4	29.0

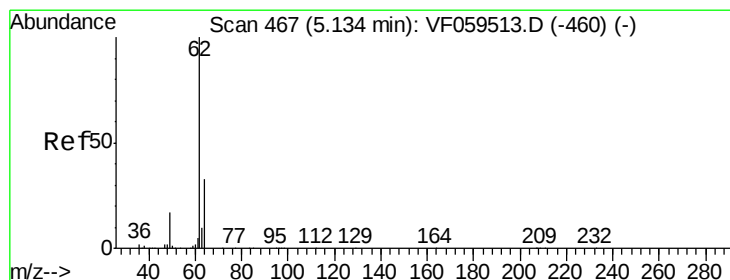
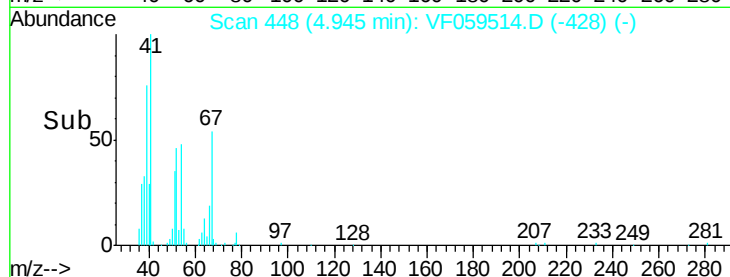
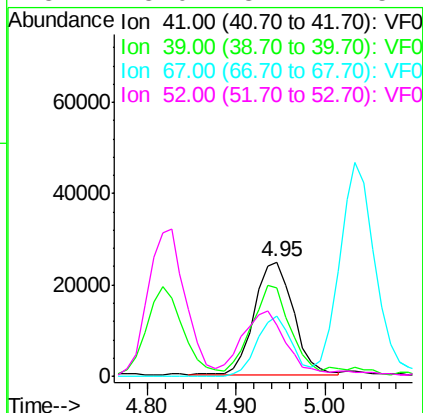
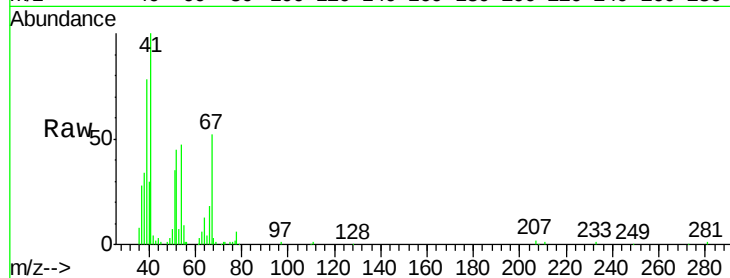




#41
Methacrylonitrile
Concen: 66.042 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

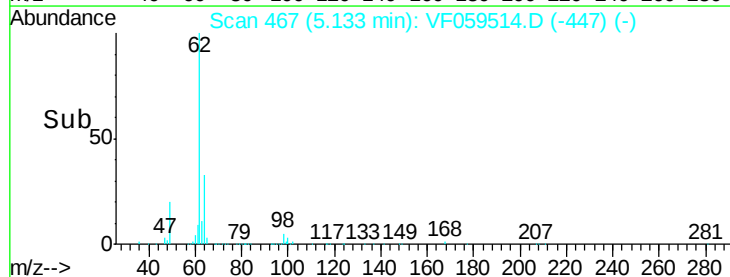
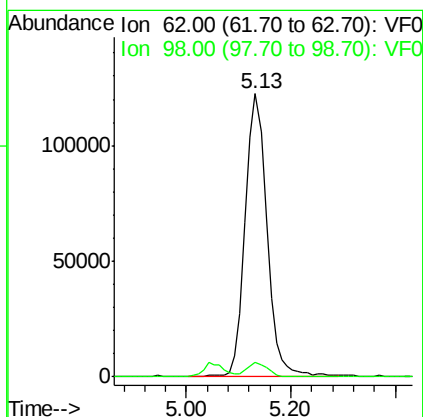
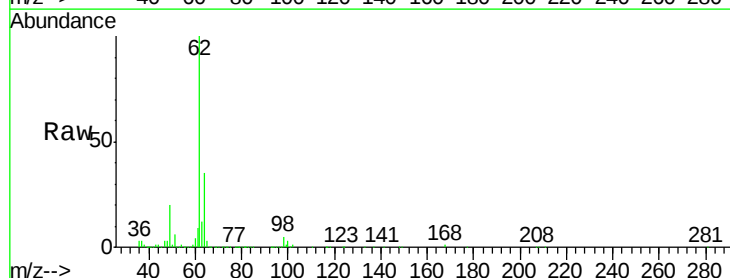
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

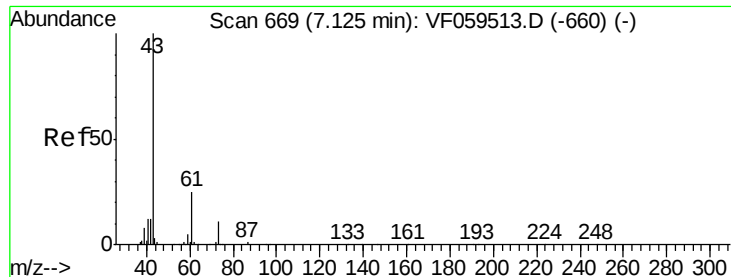
Tot Ion:	41	Resp:	75533
Ion	Ratio	Lower	Upper
41	100		
39	77.5	49.4	74.0#
67	52.4	37.4	56.2
52	45.0	32.1	48.1



#42
1,2-Dichloroethane
Concen: 71.545 ug/l
RT: 5.13 min Scan# 467
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion:	62	Resp:	344932
Ion	Ratio	Lower	Upper
62	100		
98	5.1	0.0	9.6



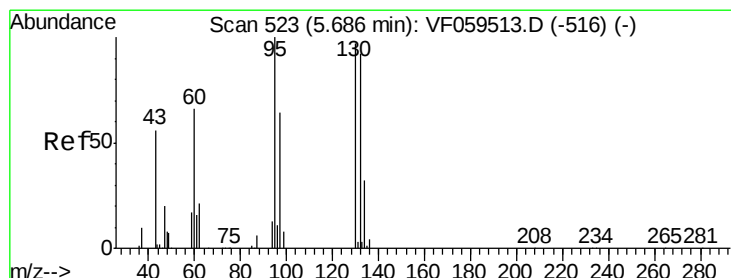
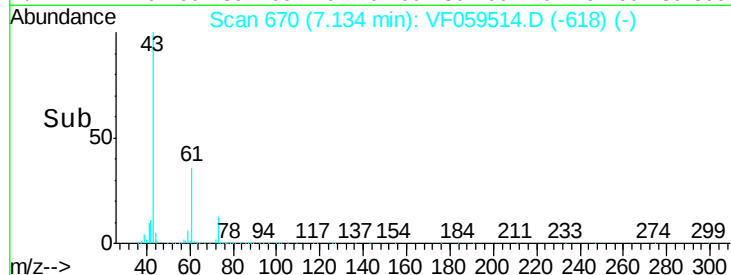
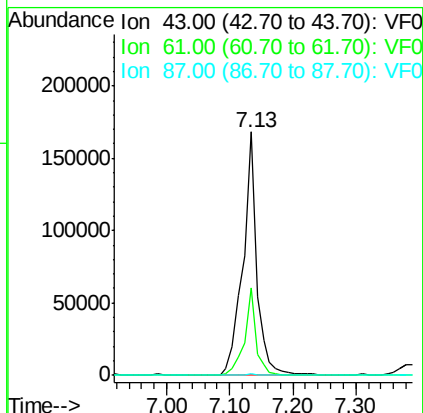
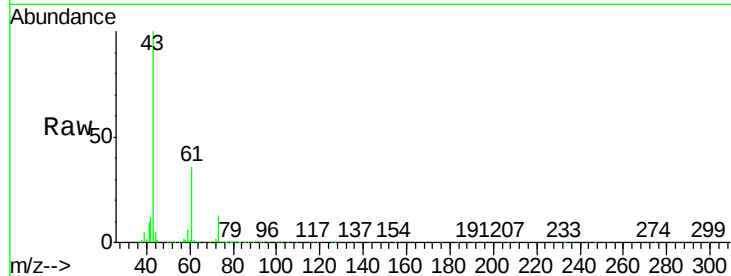


#43

Isopropyl Acetate
 Concen: 89.734 ug/l
 RT: 7.13 min Scan# 670
 Delta R.T. 0.01 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

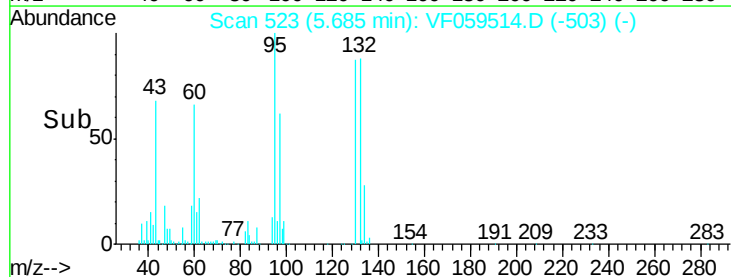
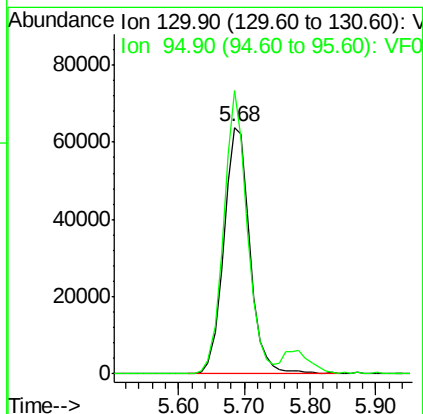
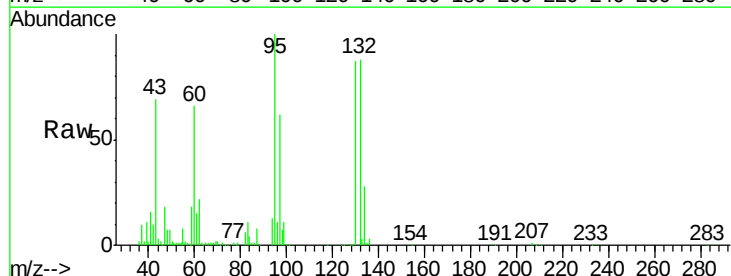
Tot Ion: 43 Resp: 254942
 Ion Ratio Lower Upper
 43 100
 61 35.9 20.3 30.5#
 87 0.4 0.4 0.6

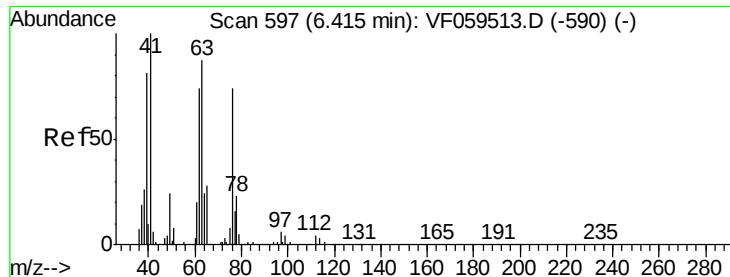


#44

Trichloroethene
 Concen: 64.917 ug/l
 RT: 5.68 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion: 130 Resp: 176251
 Ion Ratio Lower Upper
 130 100
 95 114.8 0.0 206.6





#45

1,2-Dichloropropane

Concen: 67.708 ug/l

RT: 6.41 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

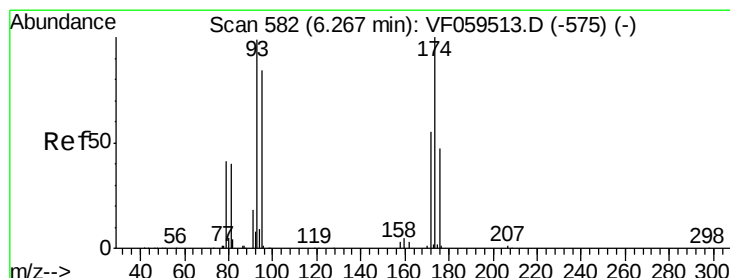
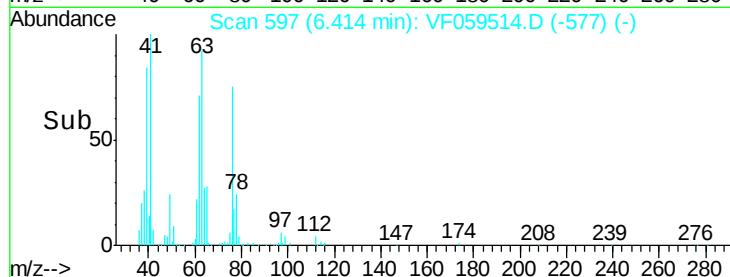
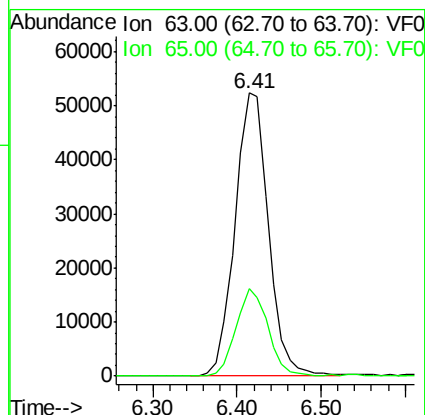
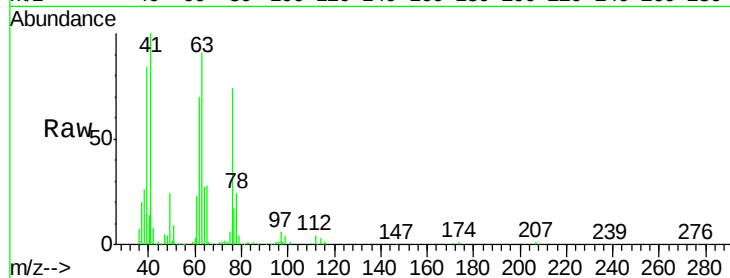
VSTDIC075

Tot Ion: 63 Resp: 144621

Ion Ratio Lower Upper

63 100

65 31.1 26.1 39.1



#46

Dibromomethane

Concen: 70.604 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

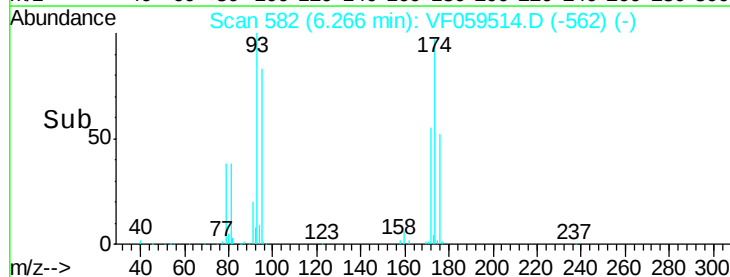
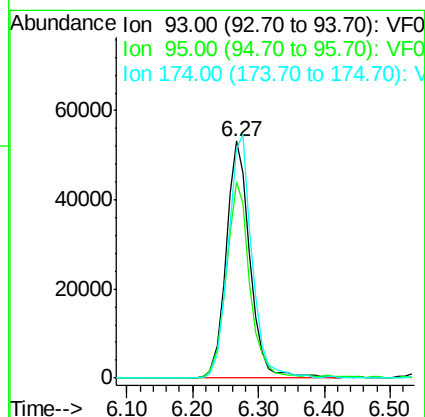
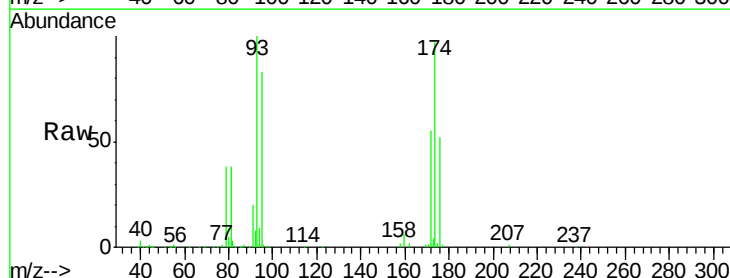
Tgt Ion: 93 Resp: 134719

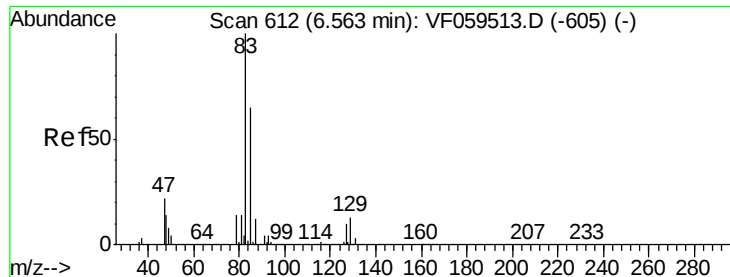
Ion Ratio Lower Upper

93 100

95 82.9 68.3 102.5

174 97.1 81.2 121.8





#47

Bromodichloromethane

Concen: 68.075 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

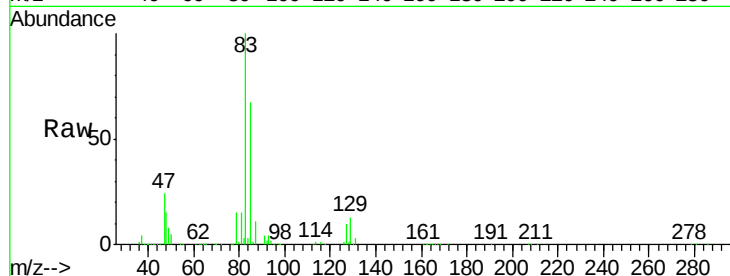
Tot Ion: 83 Resp: 331907

Ion Ratio Lower Upper

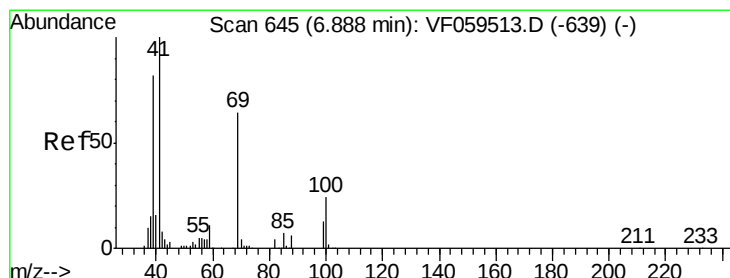
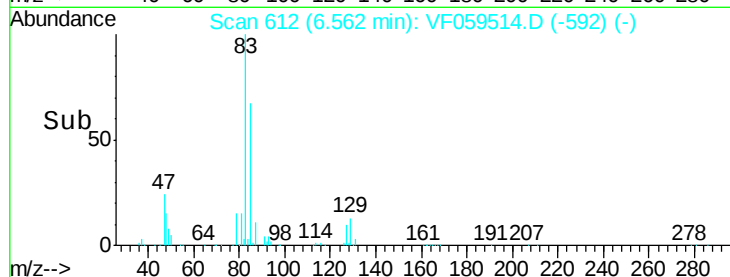
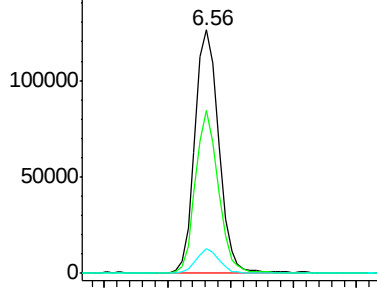
83 100

85 67.0 52.4 78.6

127 10.2 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 72.304 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

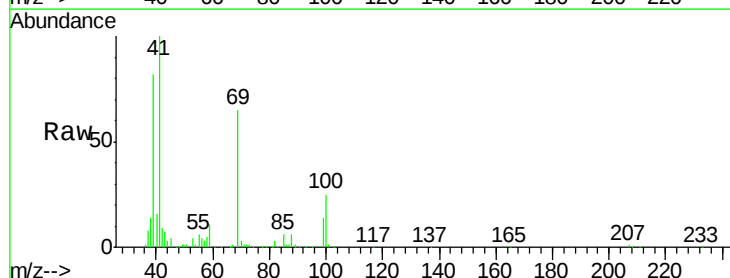
Tgt Ion: 41 Resp: 148041

Ion Ratio Lower Upper

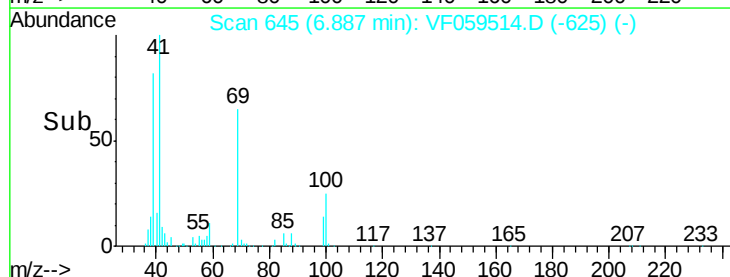
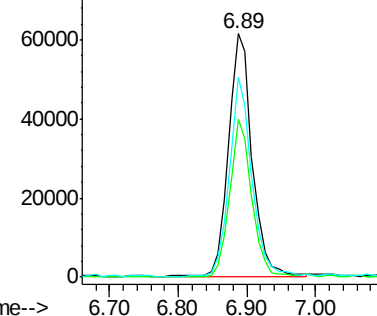
41 100

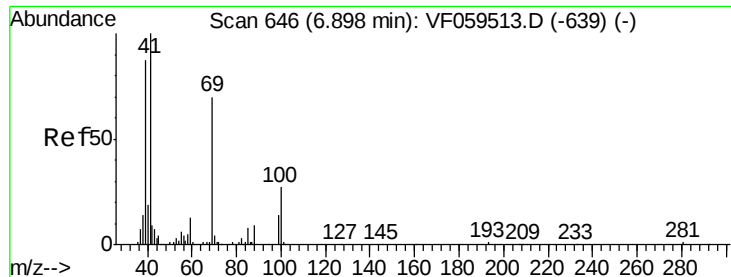
69 65.1 51.3 76.9

39 82.1 65.3 97.9



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

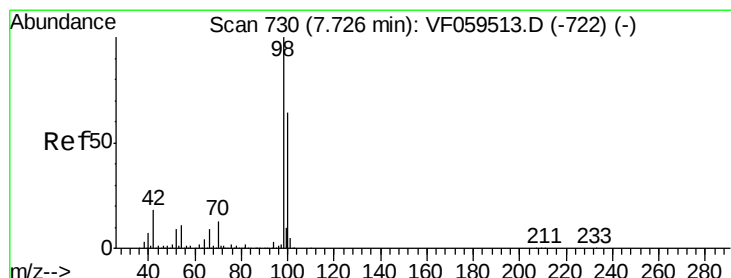
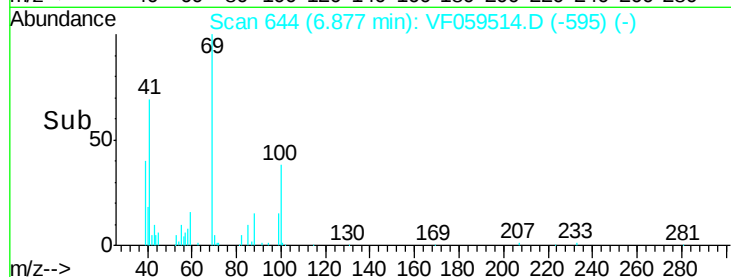
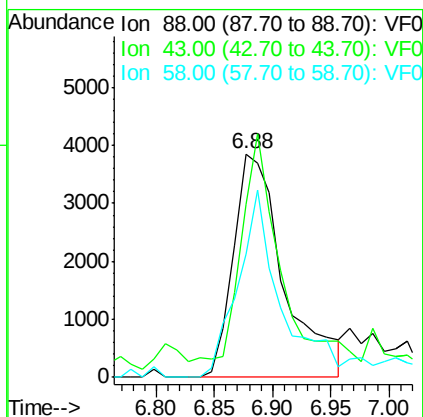
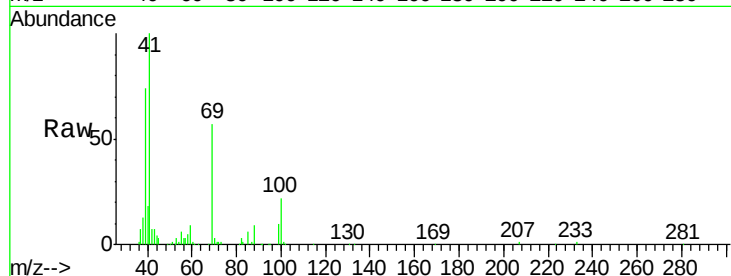




#49
1,4-Dioxane
Concen: 1258.818 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.02 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

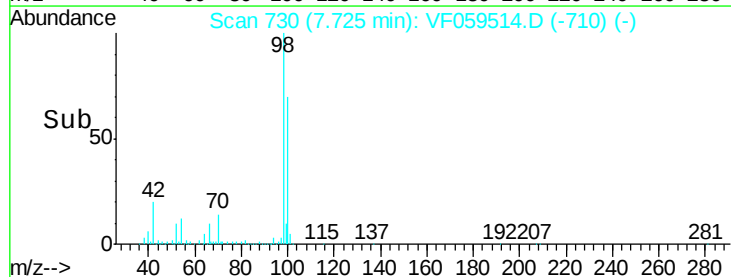
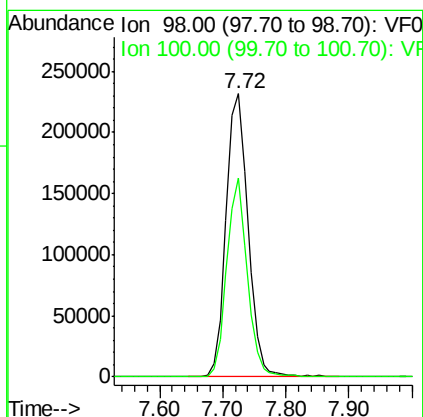
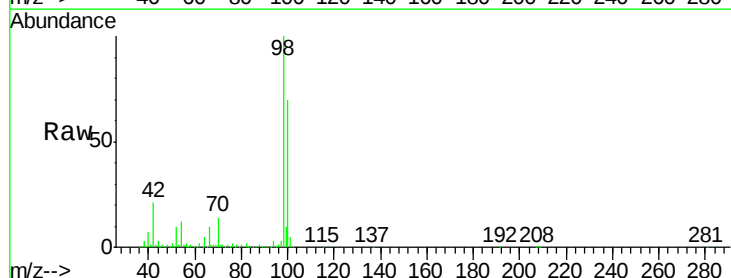
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

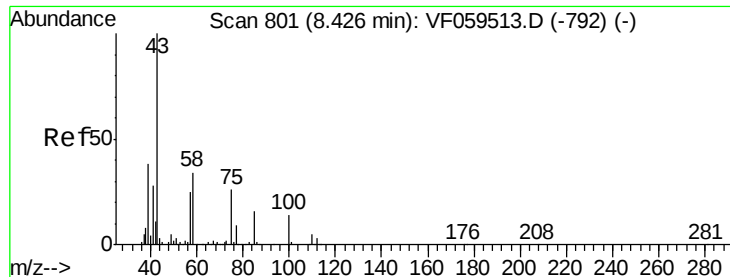
Tot Ion: 88 Resp: 11658
Ion Ratio Lower Upper
88 100
43 77.4 64.8 97.2
58 55.3 44.1 66.1



#50
Toluene-d8
Concen: 68.733 ug/l
RT: 7.72 min Scan# 730
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion: 98 Resp: 561924
Ion Ratio Lower Upper
98 100
100 70.1 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 342.900 ug/l

RT: 8.42 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

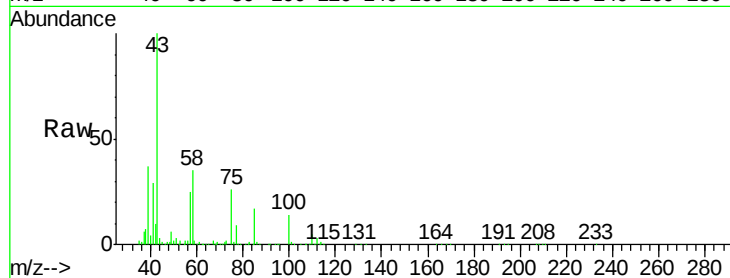
VSTDIC075

Tot Ion: 43 Resp: 683437

Ion Ratio Lower Upper

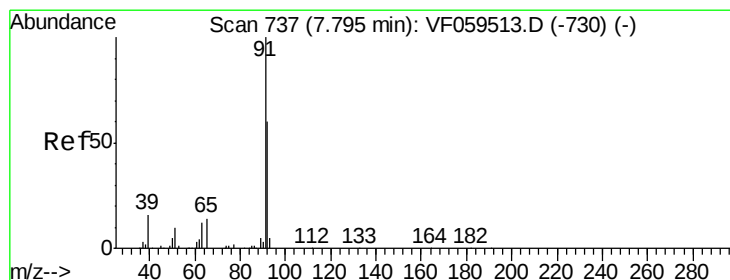
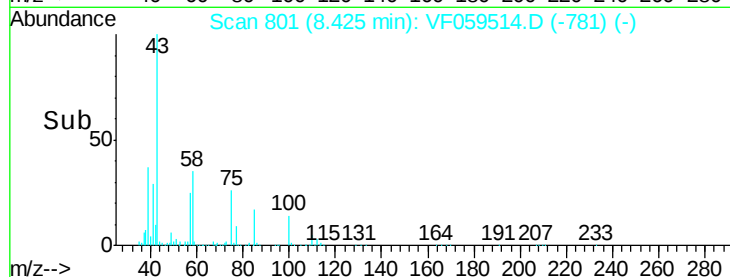
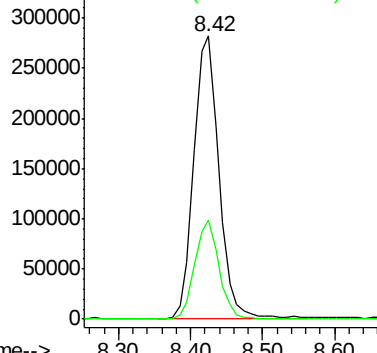
43 100

58 34.9 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 67.912 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059514.D

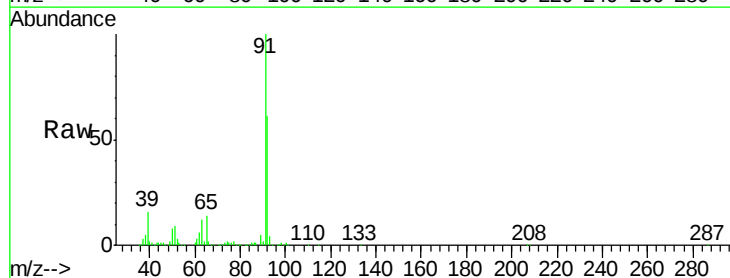
Acq: 17 Jul 2018 18:28

Tgt Ion: 92 Resp: 367800

Ion Ratio Lower Upper

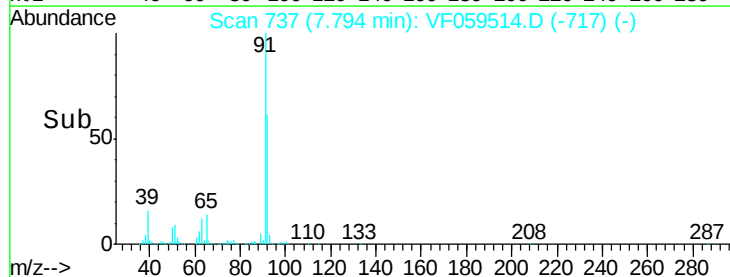
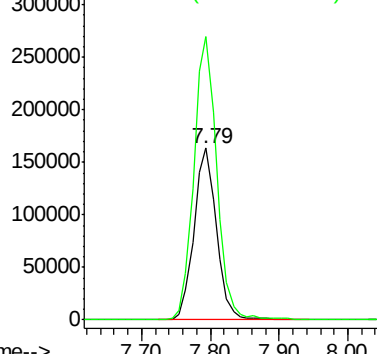
92 100

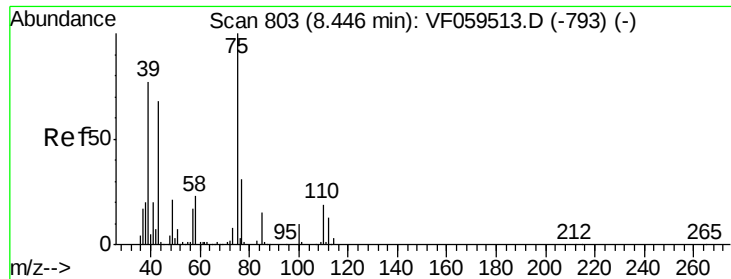
91 165.1 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 69.967 ug/l

RT: 8.44 min Scan# 803

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

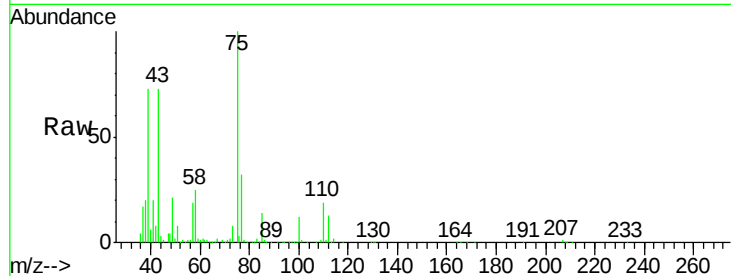
VSTDIC075

Tot Ion: 75 Resp: 301509

Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.44

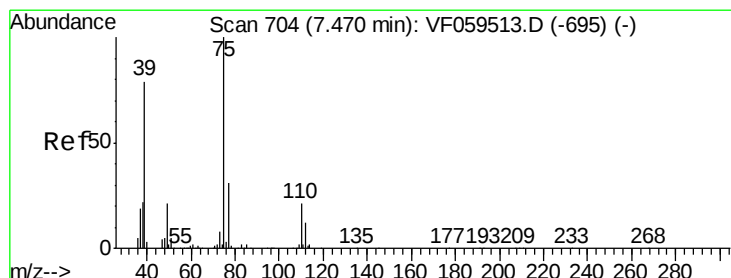
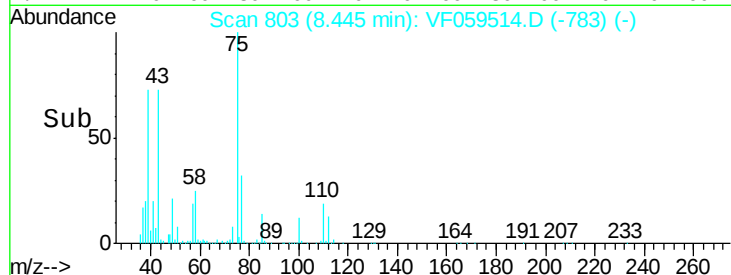
150000

100000

50000

0

Time--> 8.30 8.40 8.50 8.60



#54

cis-1,3-Dichloropropene

Concen: 69.141 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

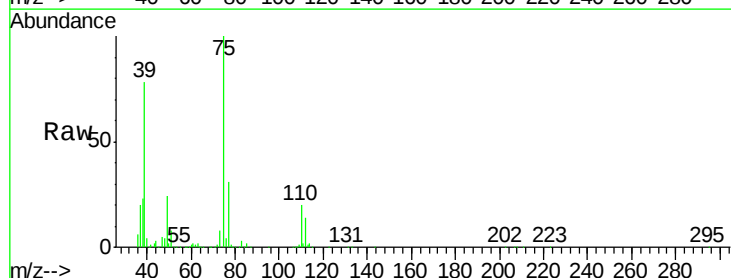
Tgt Ion: 75 Resp: 309134

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6

39 77.5 63.8 95.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.47

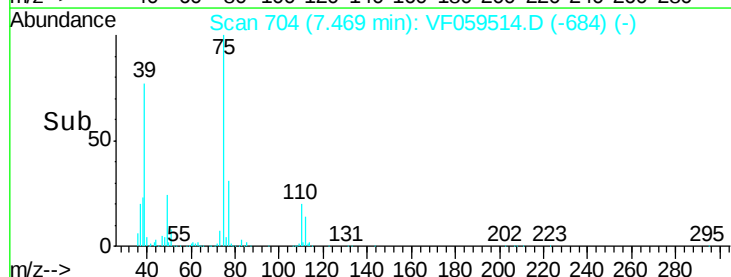
150000

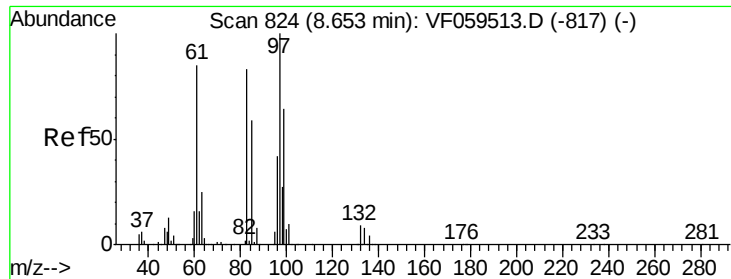
100000

50000

0

Time--> 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 67.924 ug/l

RT: 8.65 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 146515

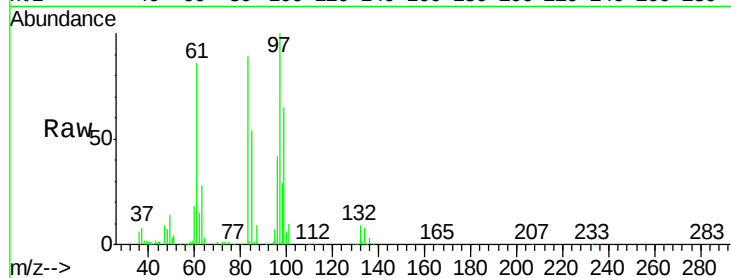
Ion Ratio Lower Upper

97 100

83 89.5 66.9 100.3

85 54.0 46.9 70.3

99 65.0 51.5 77.3

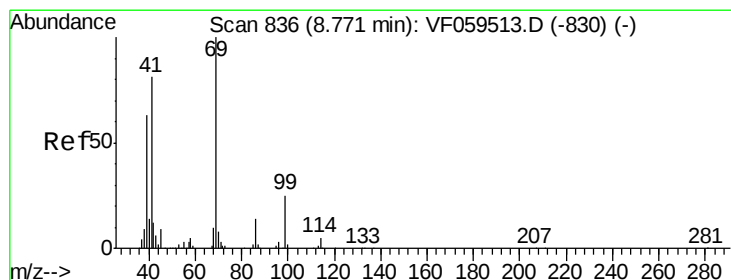
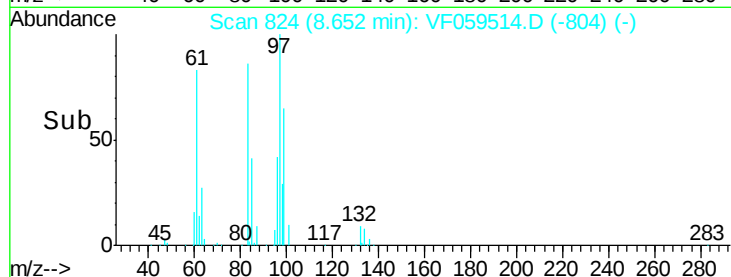
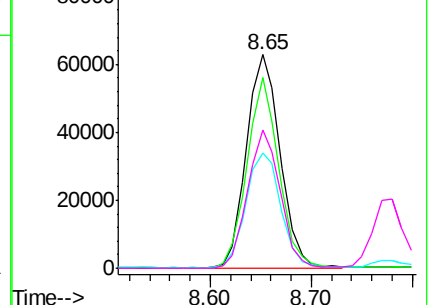


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 68.284 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

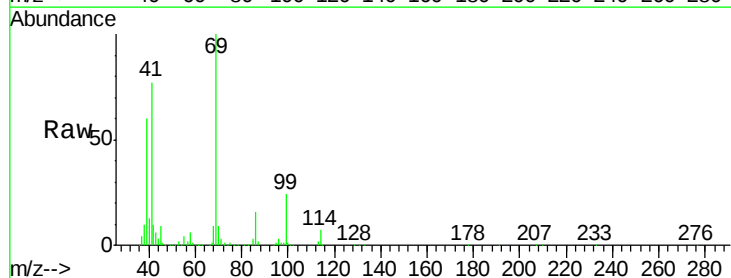
Tgt Ion: 69 Resp: 185507

Ion Ratio Lower Upper

69 100

41 77.2 65.4 98.2

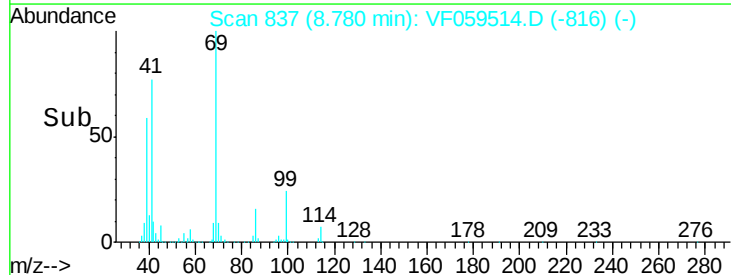
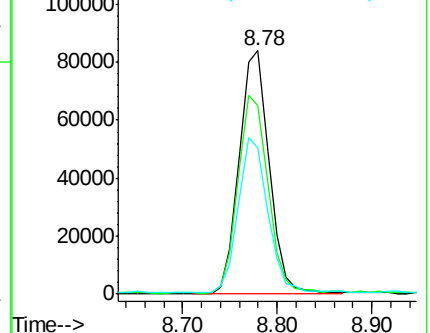
39 60.2 51.0 76.4

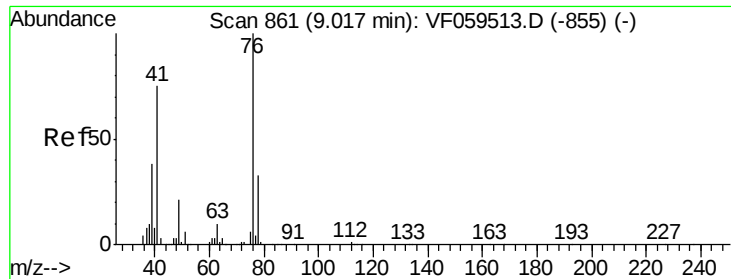


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 70.148 ug/l

RT: 9.02 min Scan# 861

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

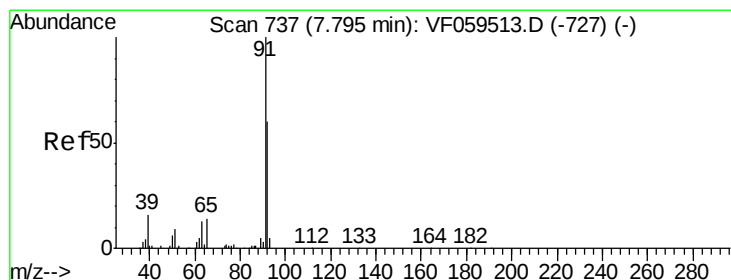
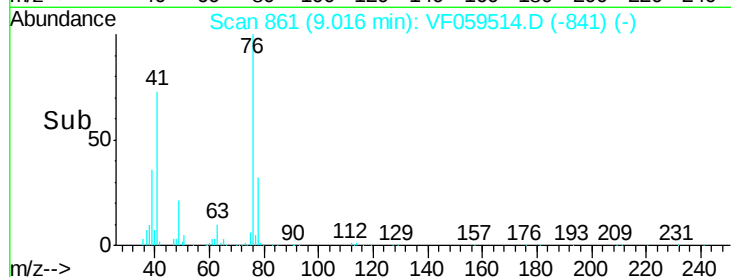
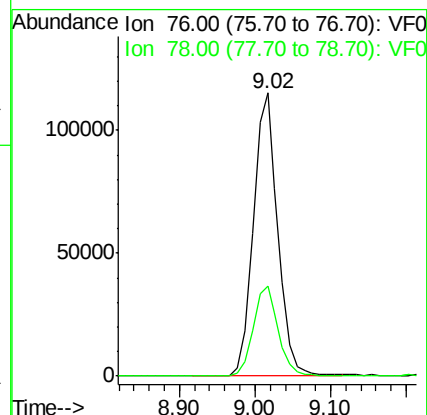
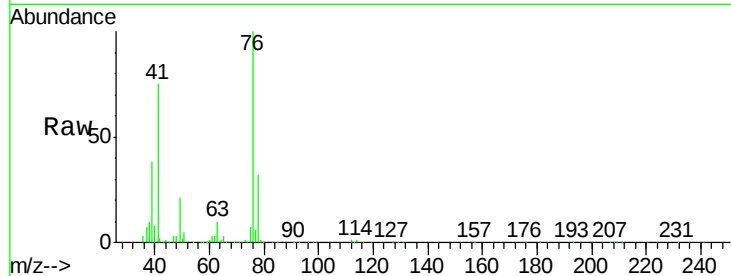
VSTDIC075

Tot Ion: 76 Resp: 257435

Ion Ratio Lower Upper

76 100

78 31.7 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 320.273 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059514.D

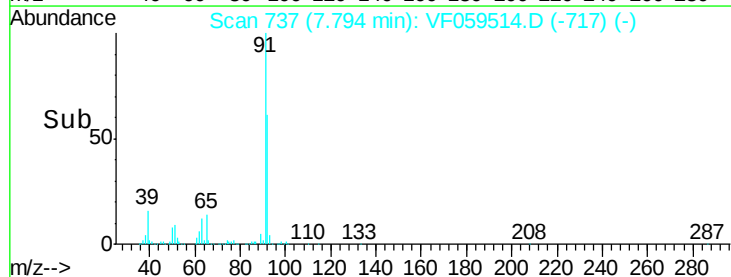
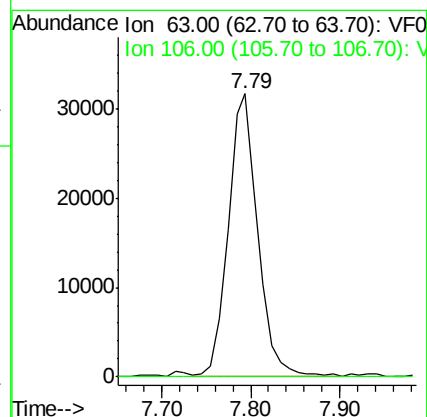
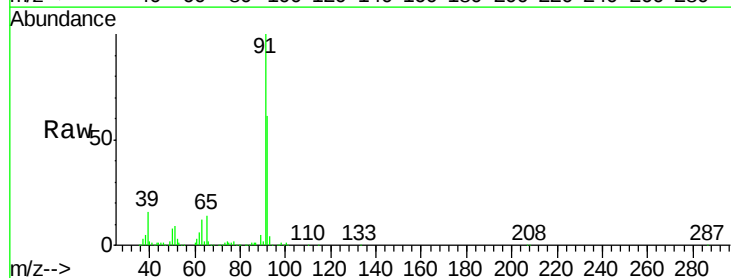
Acq: 17 Jul 2018 18:28

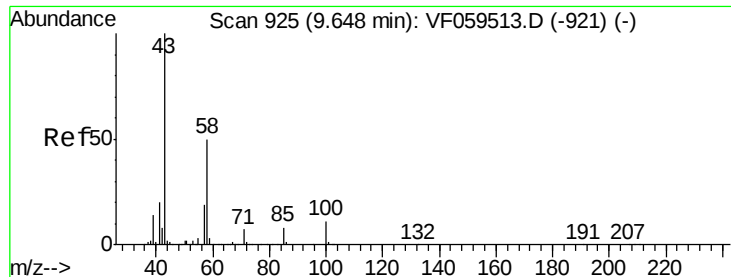
Tgt Ion: 63 Resp: 72656

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

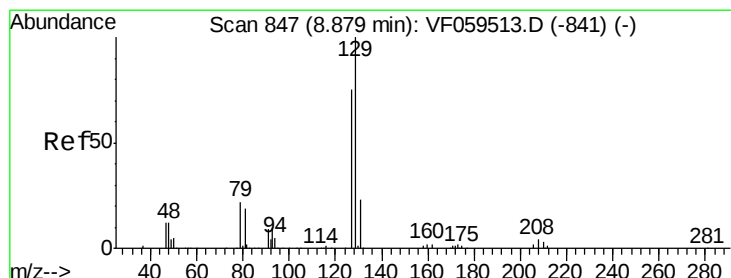
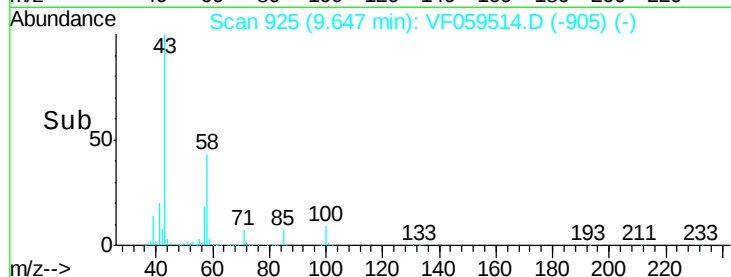
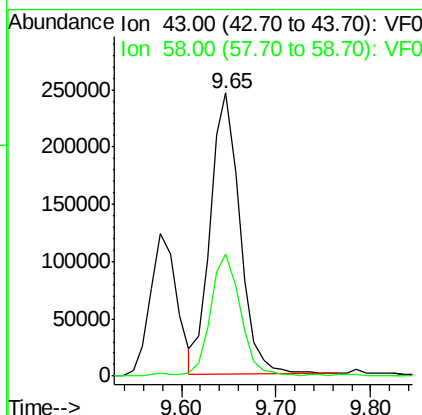
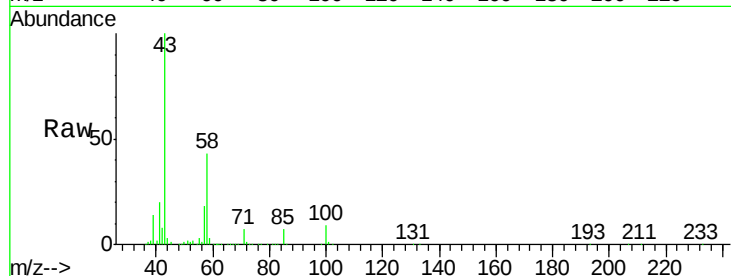




#59
2-Hexanone
Concen: 341.220 ug/l
RT: 9.65 min Scan# 925
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

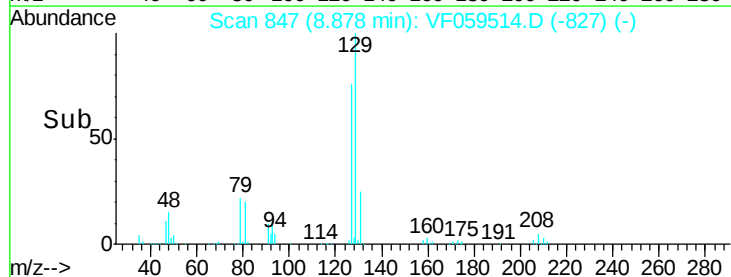
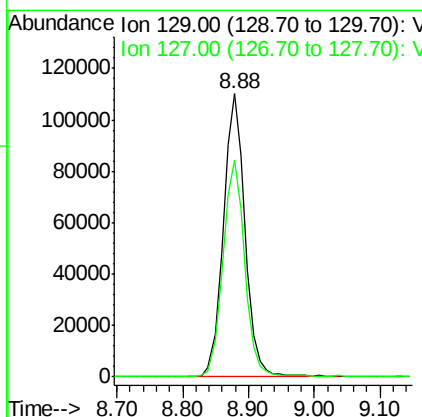
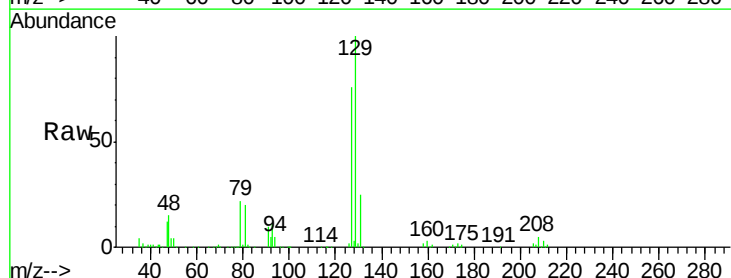
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

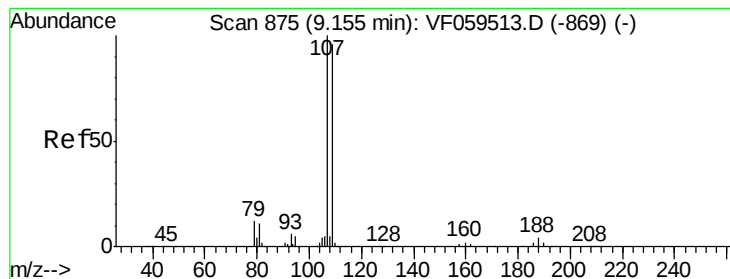
Tot Ion: 43 Resp: 533587
Ion Ratio Lower Upper
43 100
58 43.3 23.3 69.9



#60
Dibromochloromethane
Concen: 72.540 ug/l
RT: 8.88 min Scan# 847
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion: 129 Resp: 253947
Ion Ratio Lower Upper
129 100
127 76.5 37.6 112.8





#61

1,2-Dibromoethane

Concen: 71.868 ug/l

RT: 9.15 min Scan# 875

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

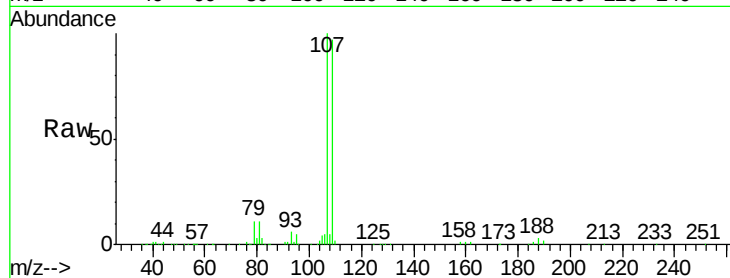
VSTDIC075

Tot Ion:107 Resp: 187624

Ion Ratio Lower Upper

107 100

109 96.8 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

80000

60000

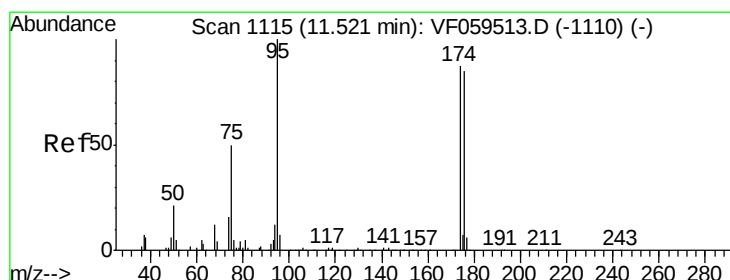
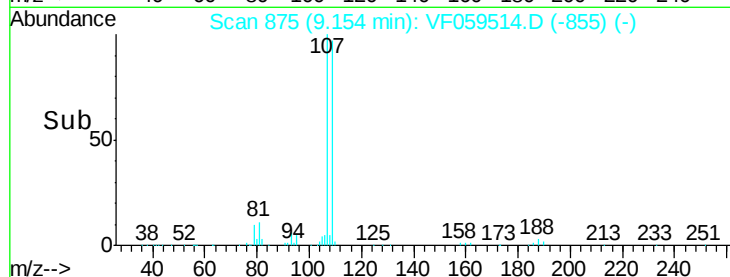
40000

20000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 70.543 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

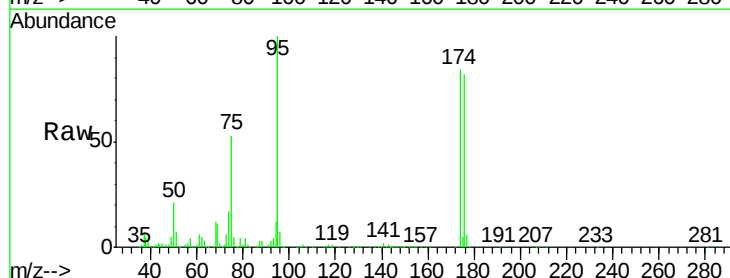
Tgt Ion: 95 Resp: 306404

Ion Ratio Lower Upper

95 100

174 84.5 0.0 174.4

176 82.1 0.0 169.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

250000

200000

150000

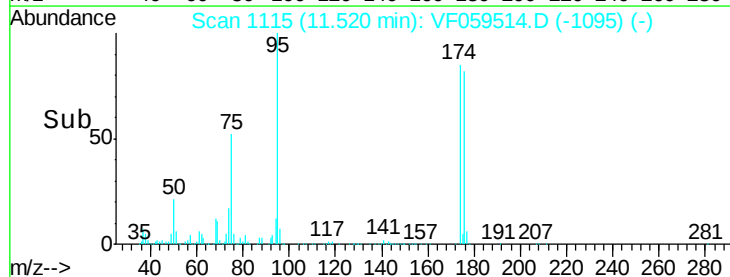
100000

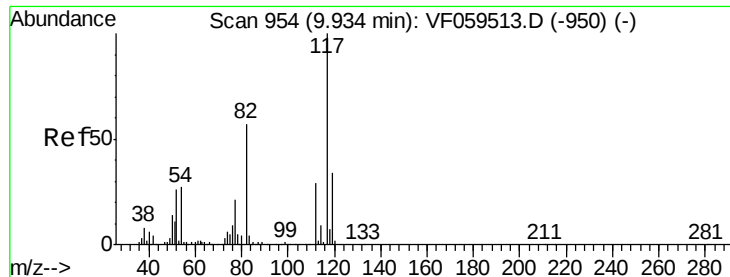
50000

0

11.40 11.50 11.60 11.70

Time-->

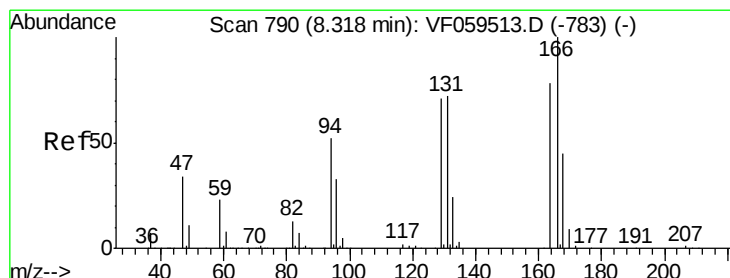
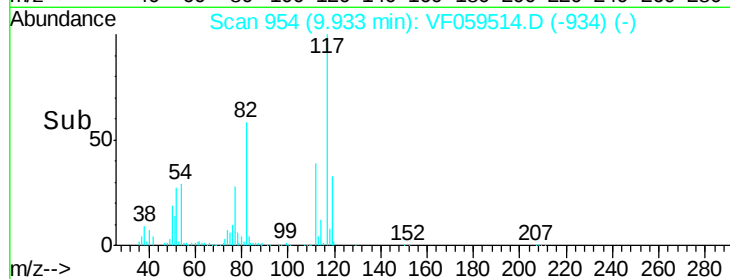
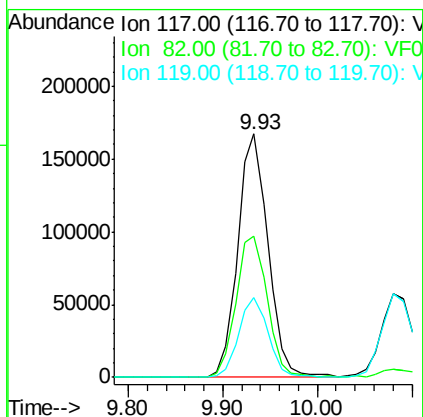
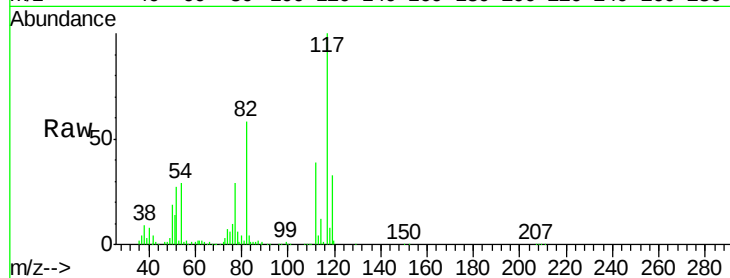




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

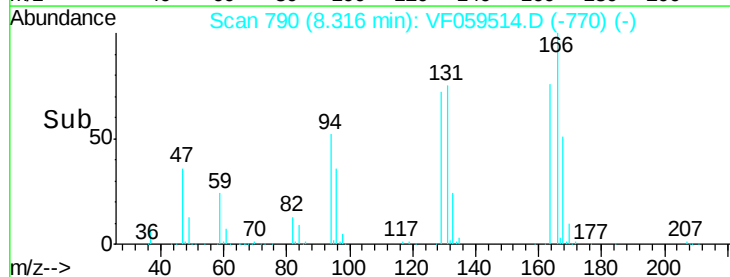
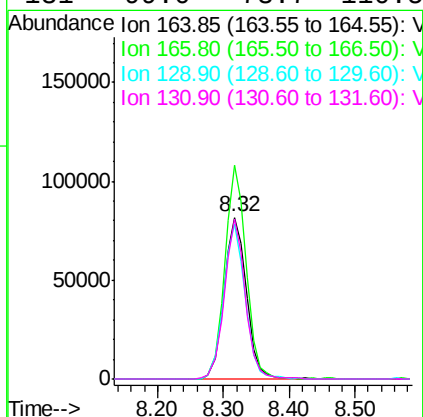
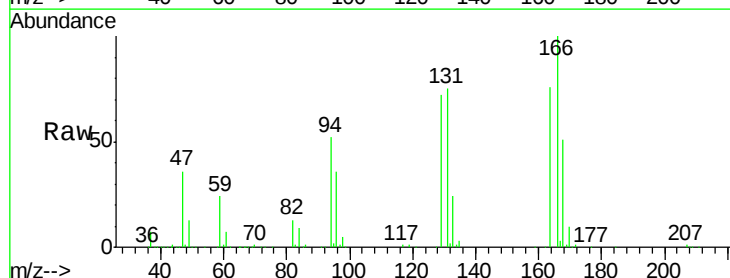
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

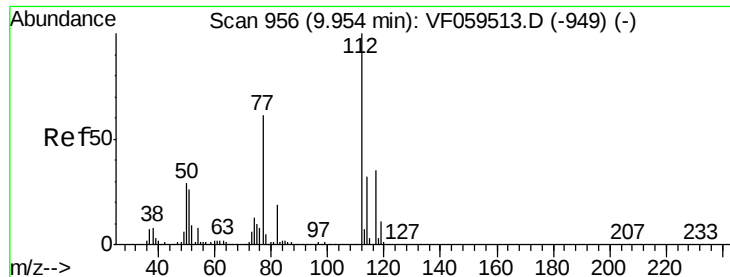
Tot Ion:117 Resp: 371362
Ion Ratio Lower Upper
117 100
82 57.9 46.1 69.1
119 32.6 27.2 40.8



#64
Tetrachloroethene
Concen: 66.295 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion:164 Resp: 194102
Ion Ratio Lower Upper
164 100
166 132.2 102.3 153.5
129 95.7 72.4 108.6
131 99.0 73.7 110.5

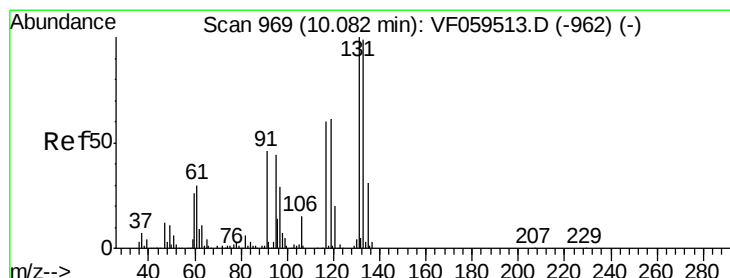
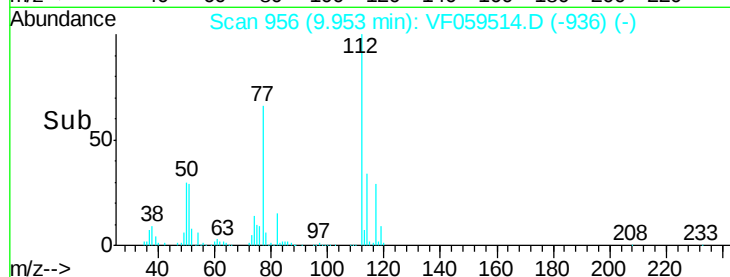
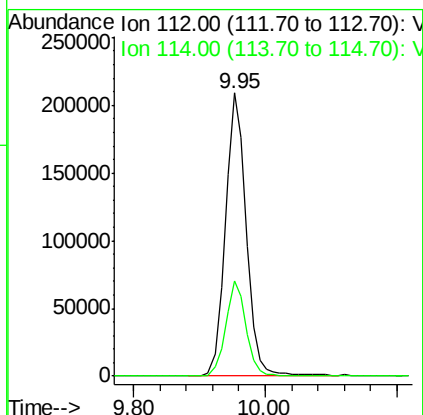
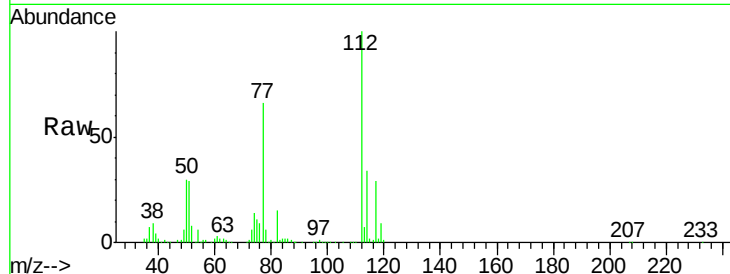




#65
Chlorobenzene
Concen: 66.381 ug/l
RT: 9.95 min Scan# 956
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

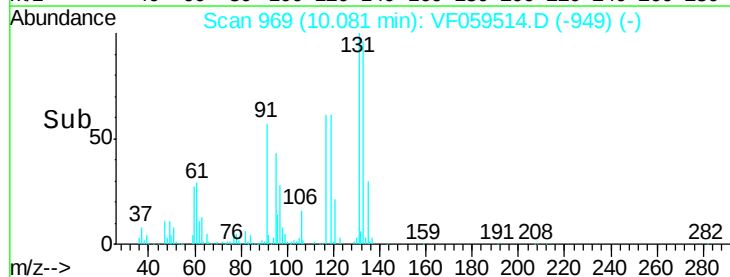
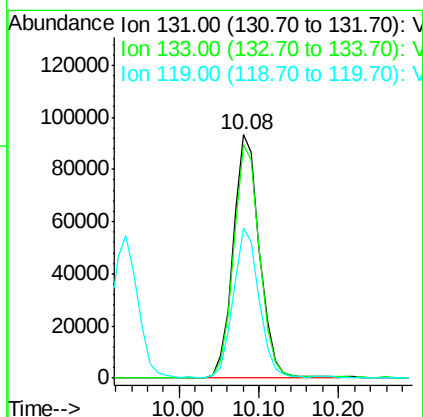
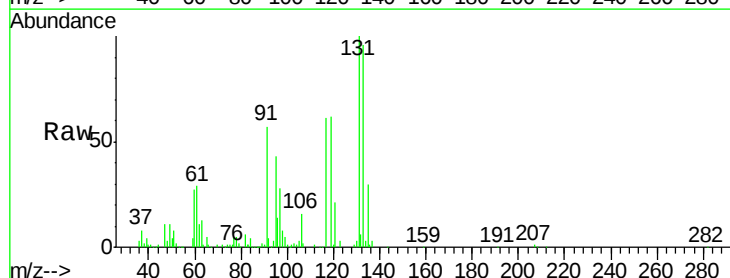
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

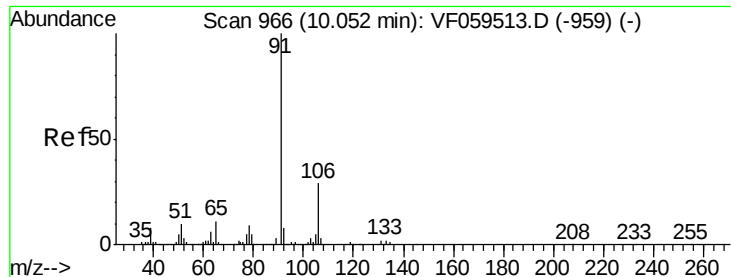
Tot Ion:112 Resp: 463674
Ion Ratio Lower Upper
112 100
114 33.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 68.120 ug/l
RT: 10.08 min Scan# 969
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion:131 Resp: 215413
Ion Ratio Lower Upper
131 100
133 95.8 49.6 148.8
119 61.5 31.4 94.3





#67

Ethyl Benzene

Concen: 66.388 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

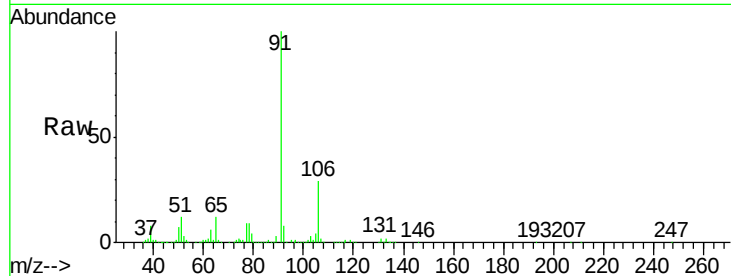
VSTDIC075

Tot Ion: 91 Resp: 827328

Ion Ratio Lower Upper

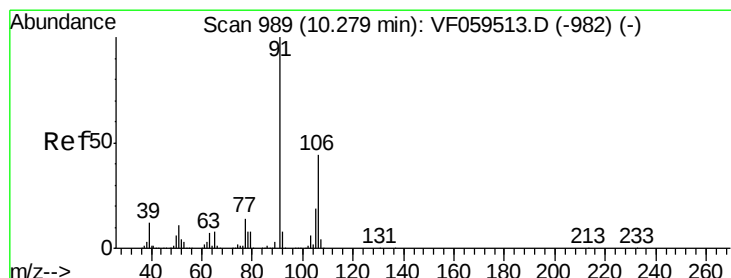
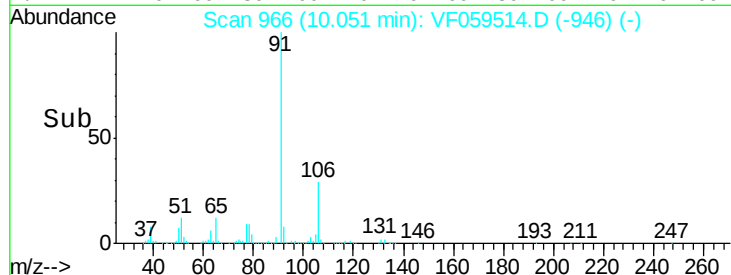
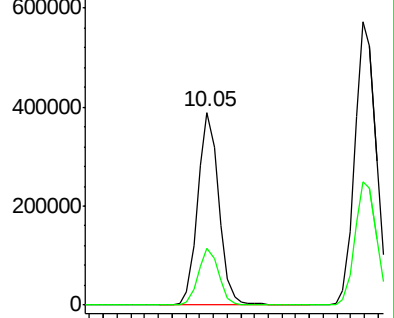
91 100

106 29.4 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 123.916 ug/l

RT: 10.28 min Scan# 989

Delta R.T. -0.00 min

Lab File: VF059514.D

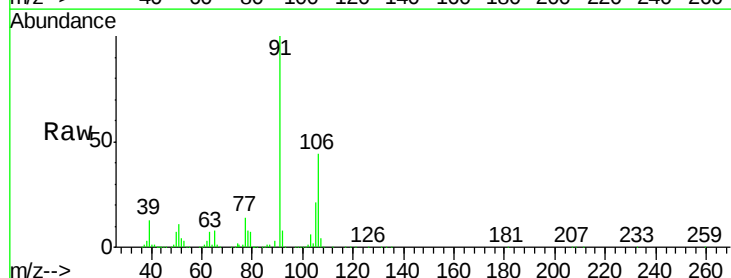
Acq: 17 Jul 2018 18:28

Tgt Ion: 106 Resp: 553131

Ion Ratio Lower Upper

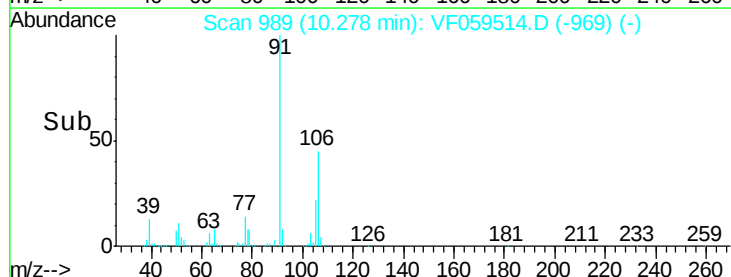
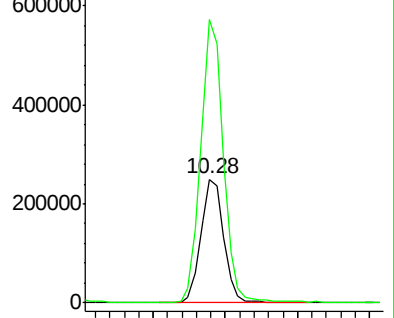
106 100

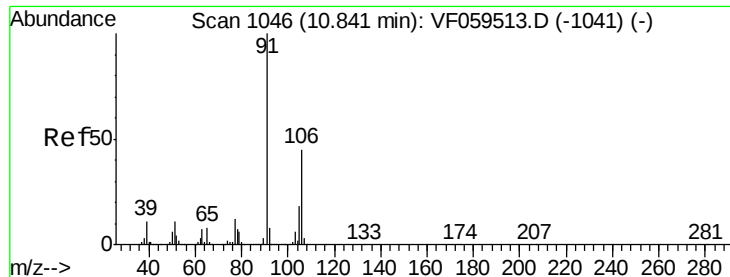
91 229.2 181.0 271.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

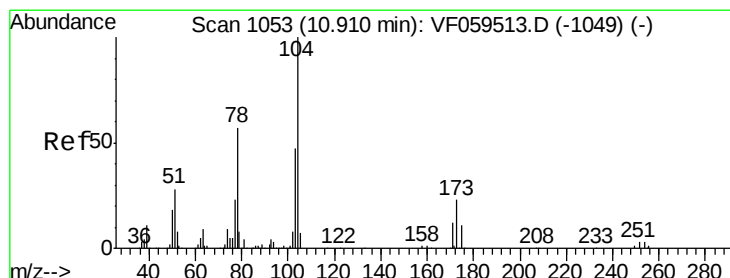
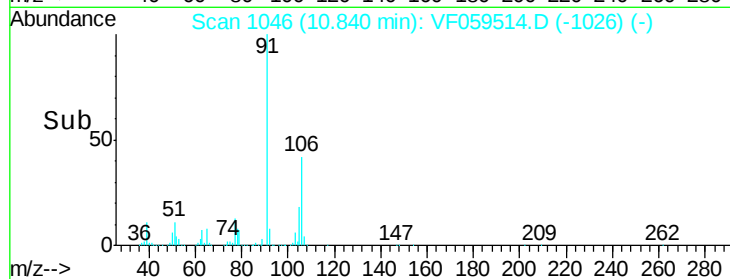
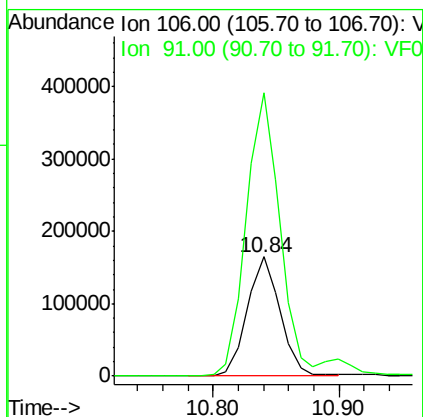
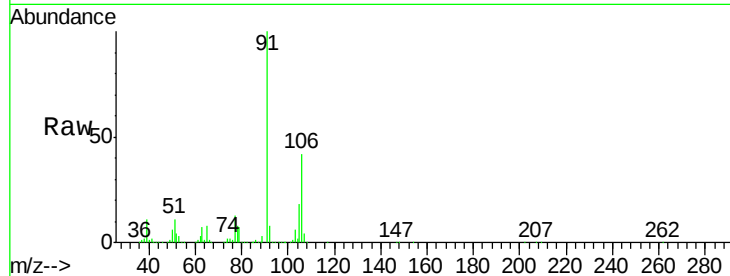




#69
o-Xylene
Concen: 64.641 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

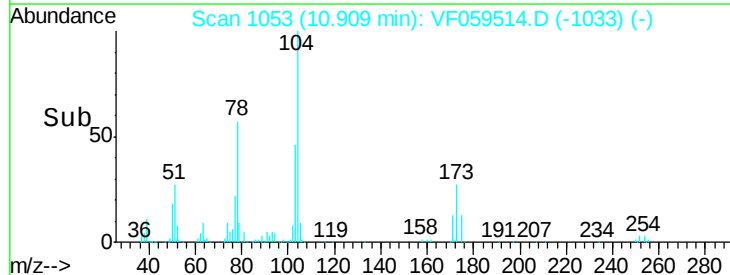
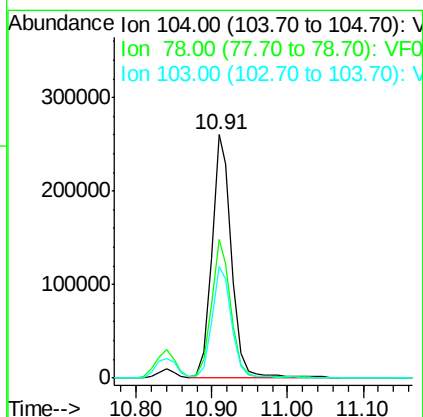
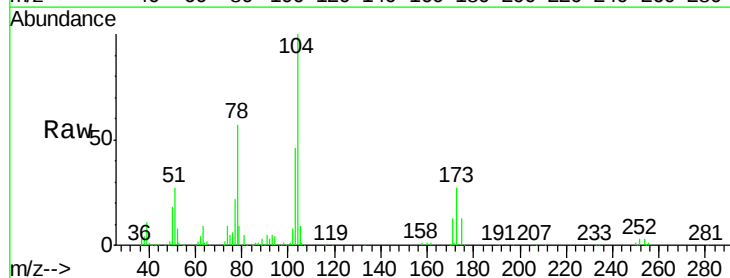
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

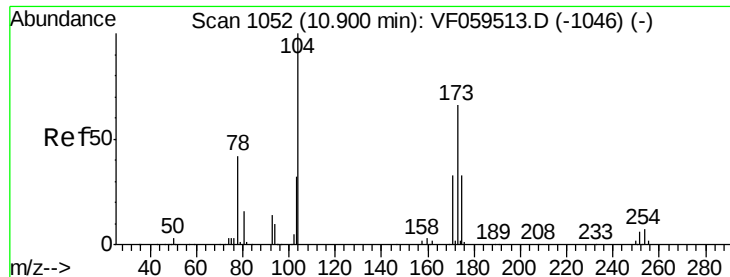
Tot Ion:106 Resp: 299852
Ion Ratio Lower Upper
106 100
91 237.4 112.3 336.9



#70
Styrene
Concen: 64.337 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion:104 Resp: 472168
Ion Ratio Lower Upper
104 100
78 56.9 45.7 68.5
103 45.8 38.1 57.1





#71

Bromoform

Concen: 69.317 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

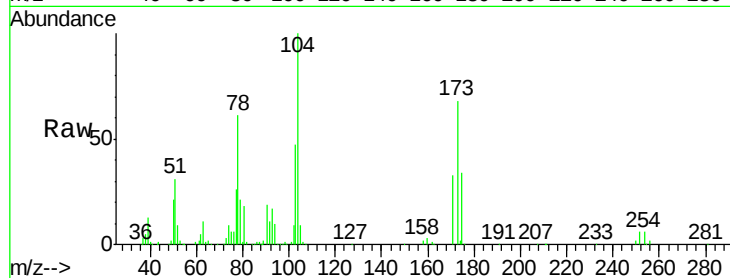
Tot Ion:173 Resp: 159817

Ion Ratio Lower Upper

173 100

175 50.4 25.3 75.8

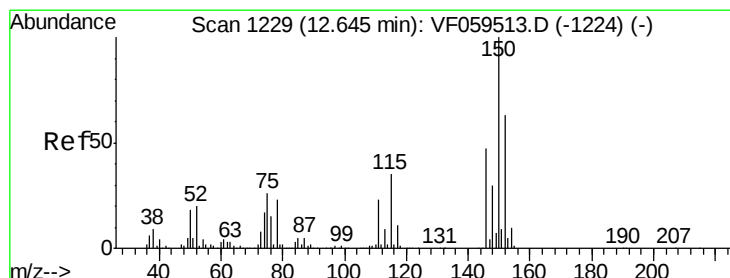
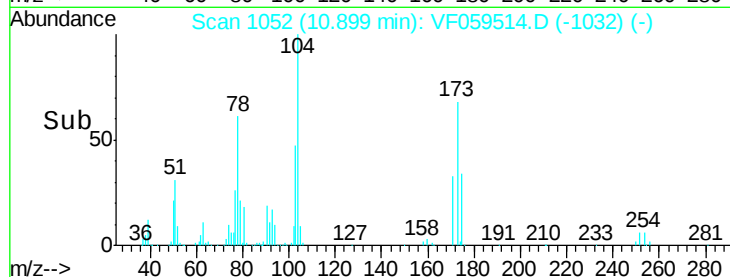
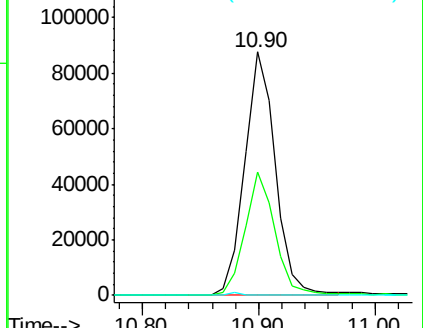
254 0.2 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

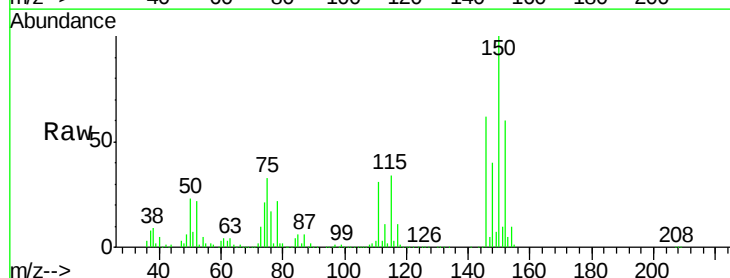
Tgt Ion:152 Resp: 219874

Ion Ratio Lower Upper

152 100

115 57.4 27.8 83.3

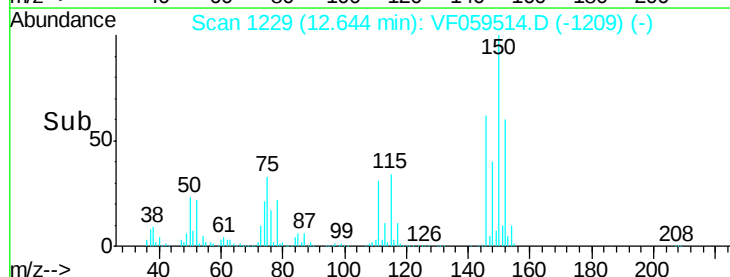
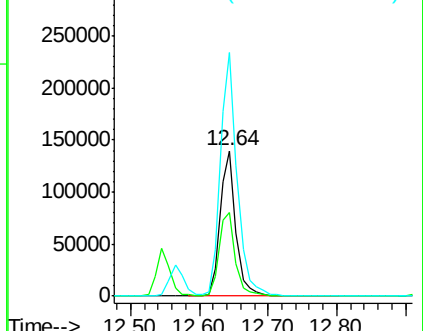
150 167.7 0.0 318.4

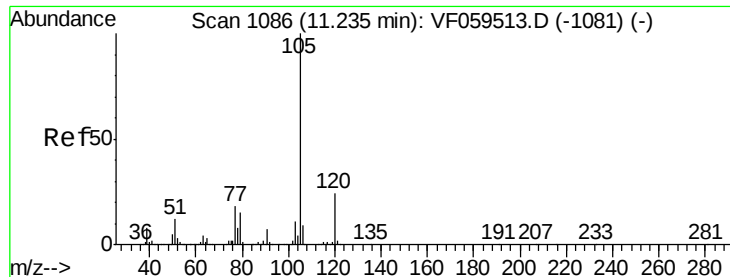


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 65.853 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

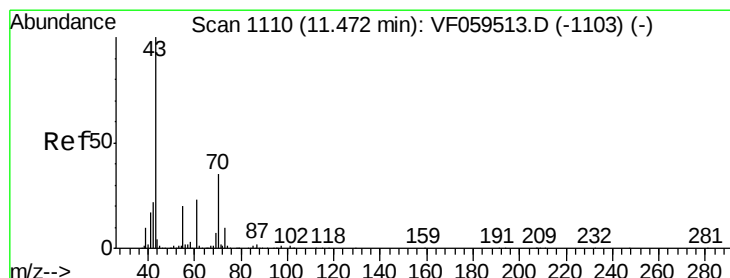
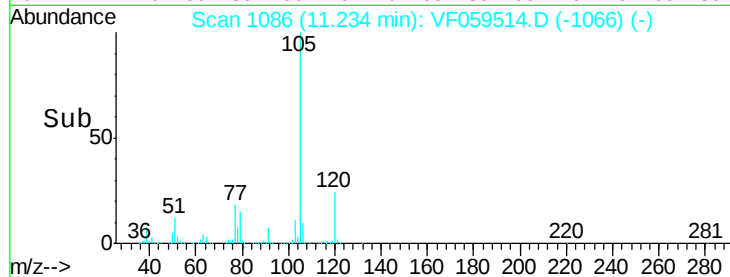
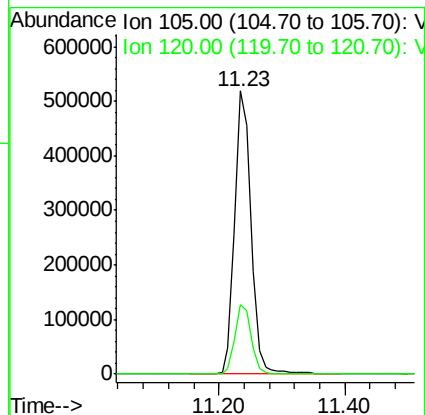
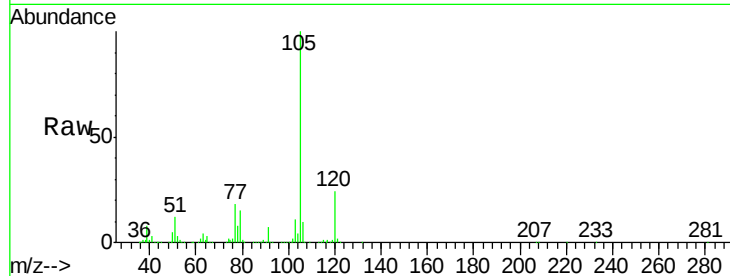
VSTDIC075

Tot Ion:105 Resp: 923676

Ion Ratio Lower Upper

105 100

120 24.4 12.0 36.0



#74

N-ethyl acetate

Concen: 62.578 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Tgt Ion: 43 Resp: 311488

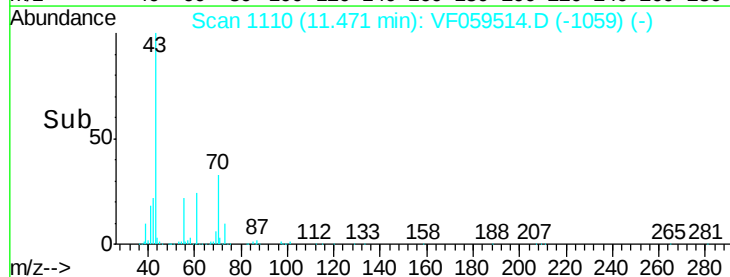
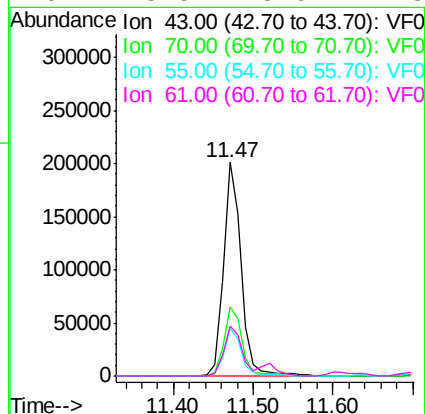
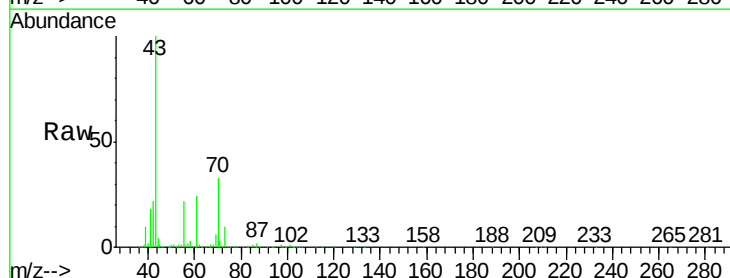
Ion Ratio Lower Upper

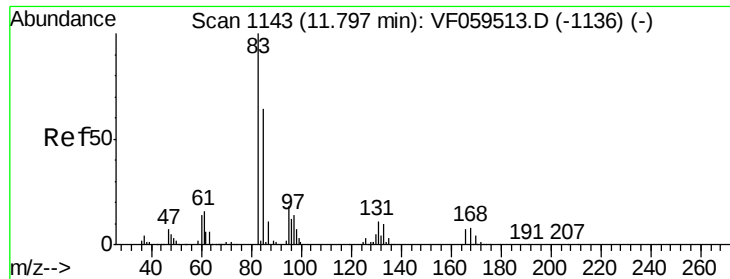
43 100

70 32.6 27.9 41.9

55 22.2 16.2 24.2

61 23.5 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 67.571 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

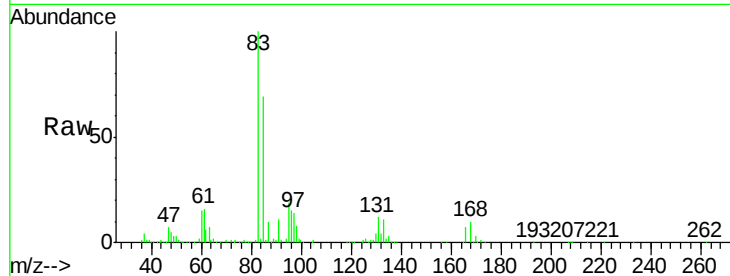
Tot Ion: 83 Resp: 207839

Ion Ratio Lower Upper

83 100

131 11.9 5.7 17.1

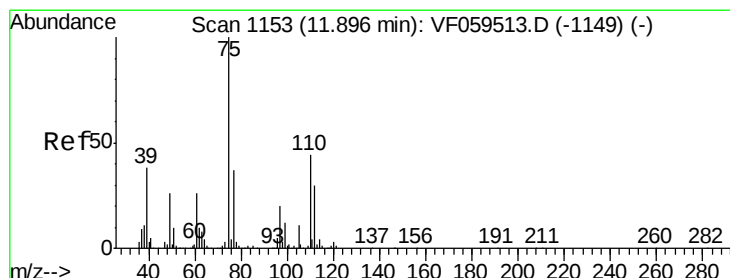
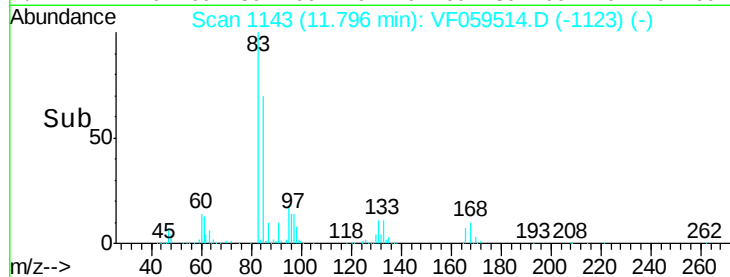
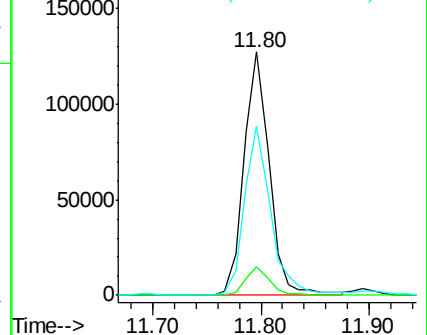
85 69.3 31.9 95.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 67.300 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF059514.D

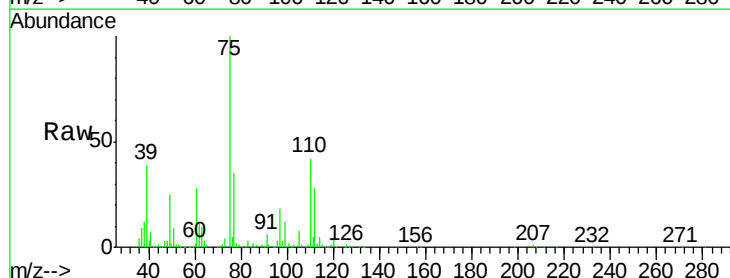
Acq: 17 Jul 2018 18:28

Tgt Ion: 75 Resp: 170675

Ion Ratio Lower Upper

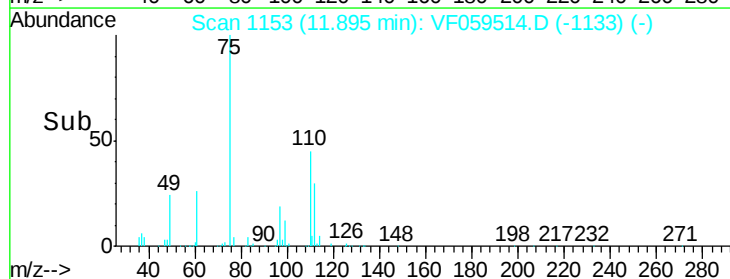
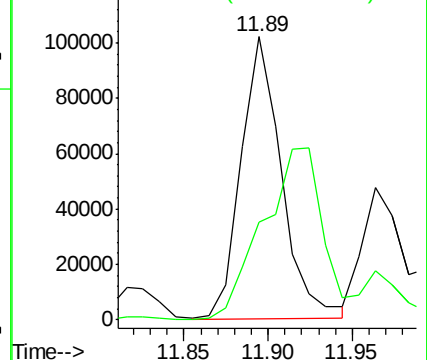
75 100

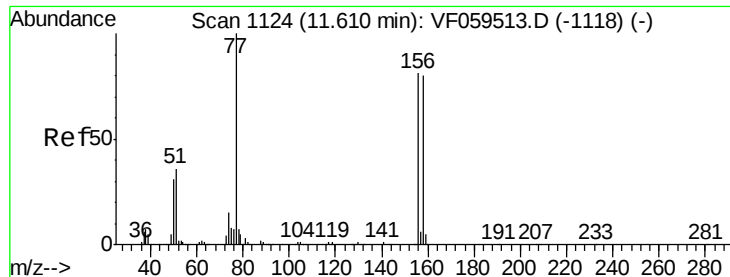
77 34.5 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 64.173 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

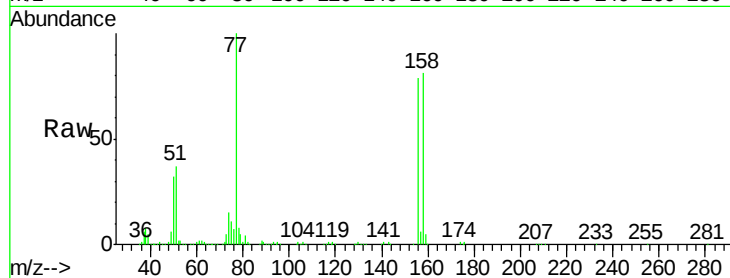
Tot Ion:156 Resp: 253637

Ion Ratio Lower Upper

156 100

77 126.7 62.0 186.0

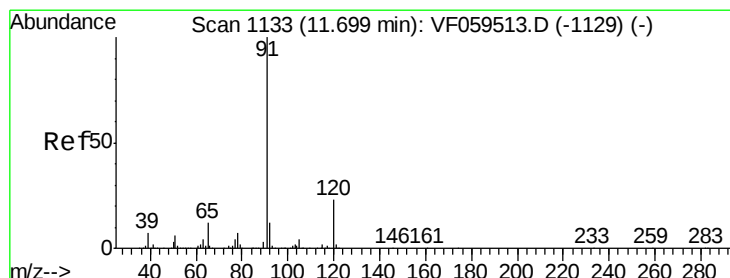
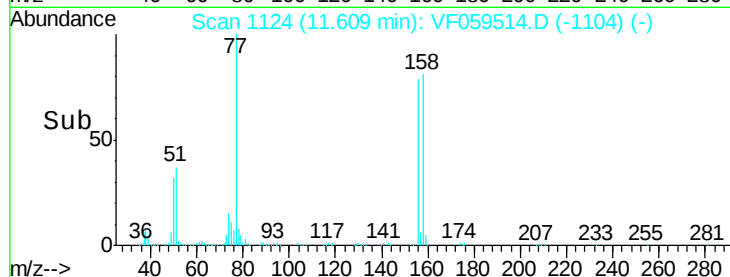
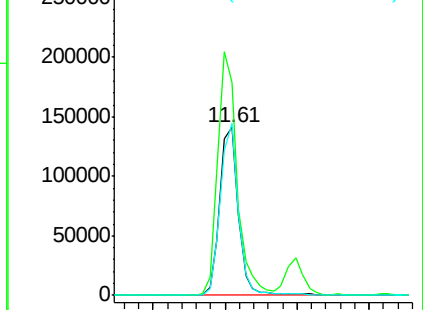
158 102.1 49.8 149.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 64.411 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF059514.D

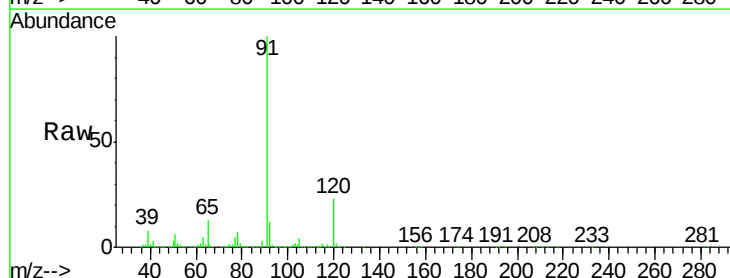
Acq: 17 Jul 2018 18:28

Tgt Ion: 91 Resp: 1045956

Ion Ratio Lower Upper

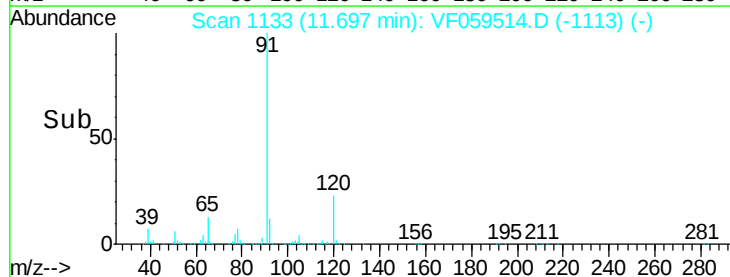
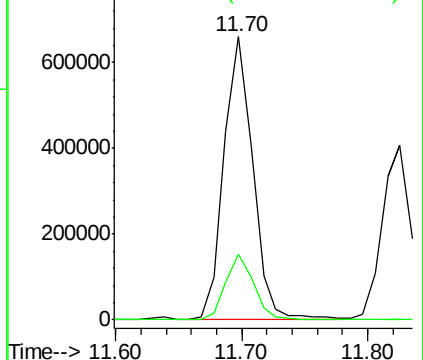
91 100

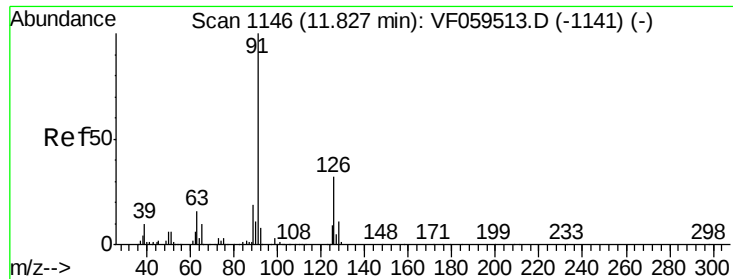
120 23.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 65.938 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

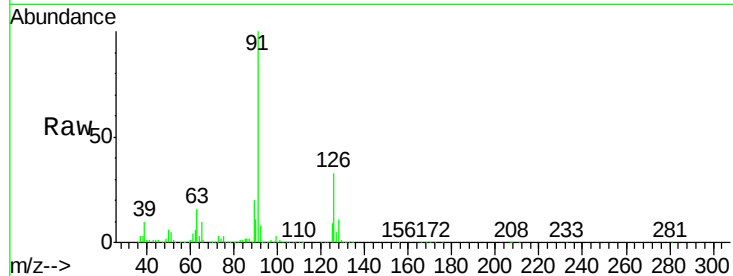
VSTDIC075

Tot Ion: 91 Resp: 647142

Ion Ratio Lower Upper

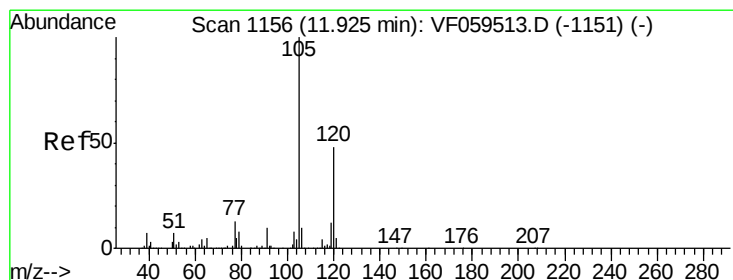
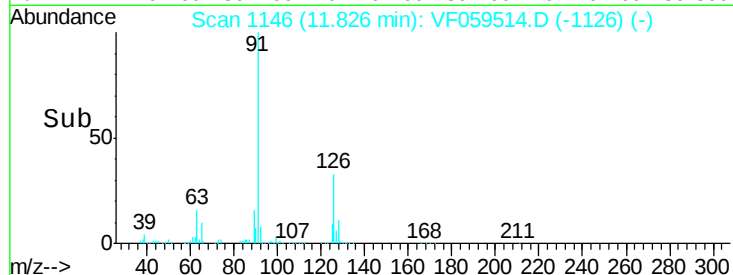
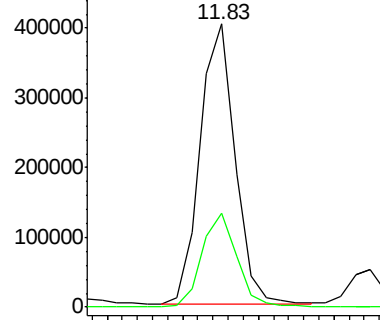
91 100

126 33.2 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 62.051 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VF059514.D

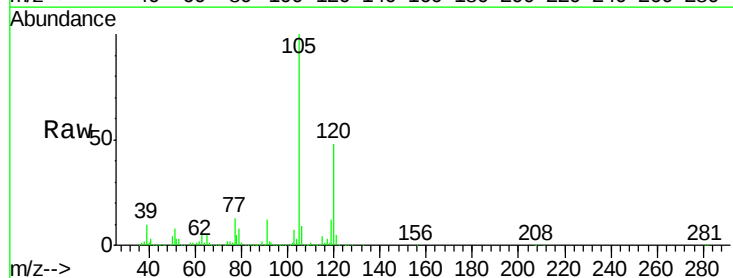
Acq: 17 Jul 2018 18:28

Tgt Ion:105 Resp: 748287

Ion Ratio Lower Upper

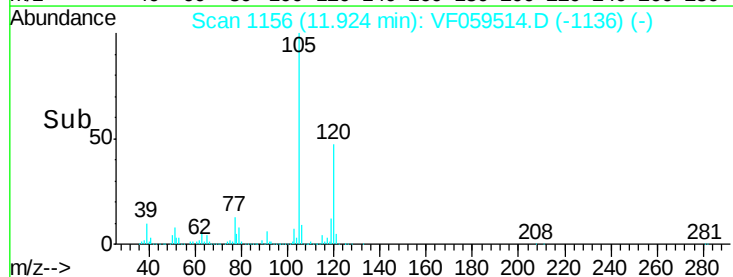
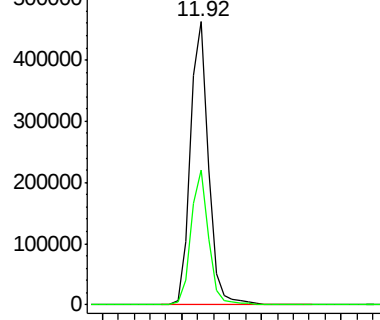
105 100

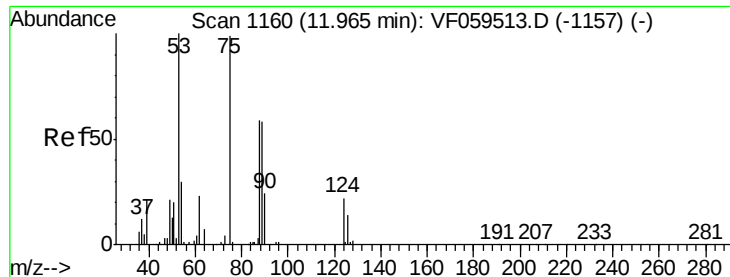
120 47.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 84.550 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

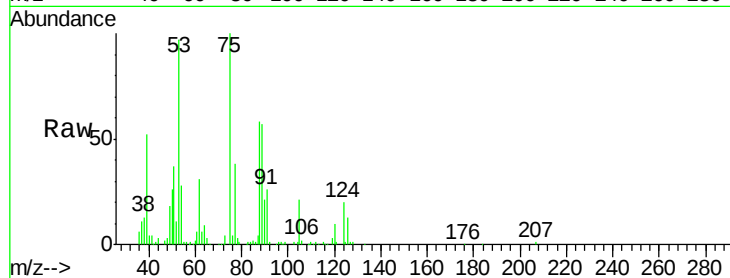
Tot Ion: 75 Resp: 101661

Ion Ratio Lower Upper

75 100

53 96.8 84.6 127.0

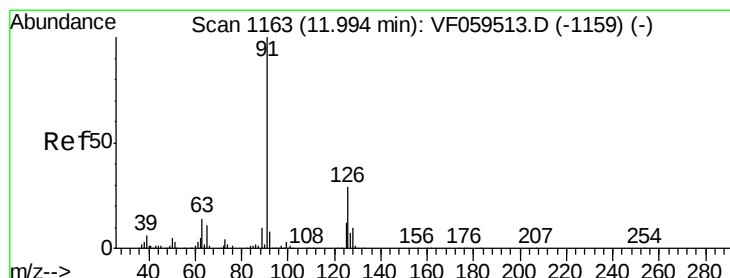
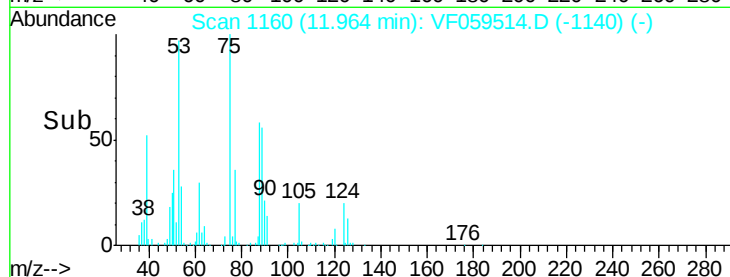
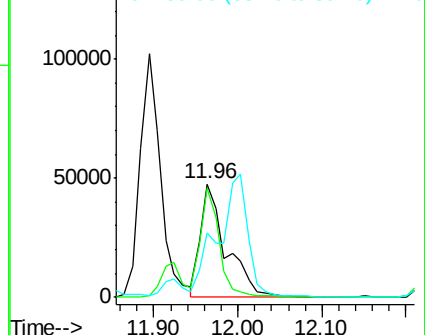
89 56.8 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 62.349 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. 0.01 min

Lab File: VF059514.D

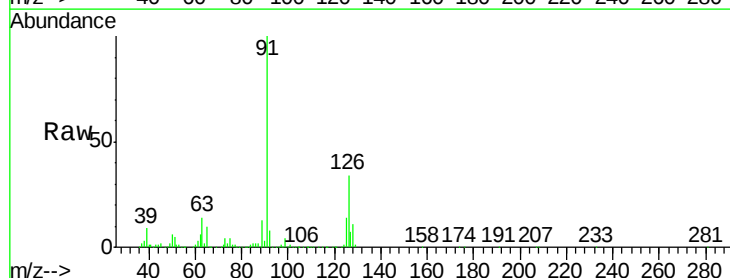
Acq: 17 Jul 2018 18:28

Tgt Ion: 91 Resp: 709003

Ion Ratio Lower Upper

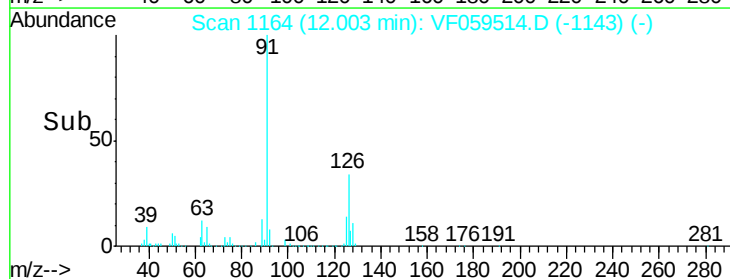
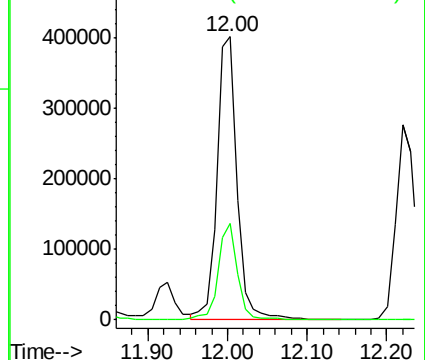
91 100

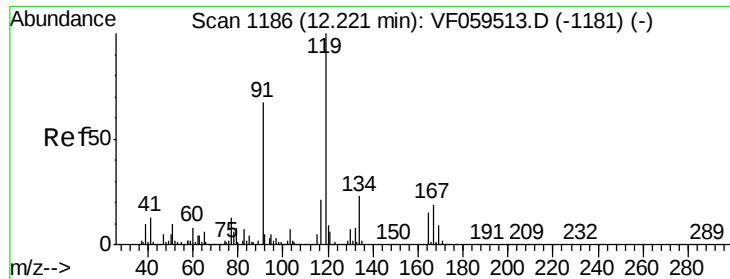
126 34.0 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

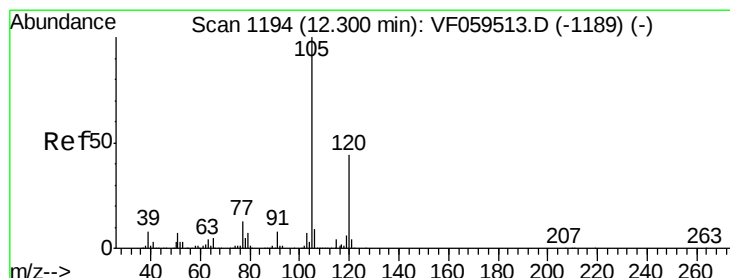
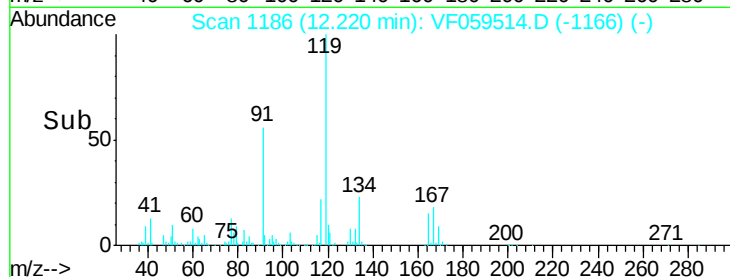
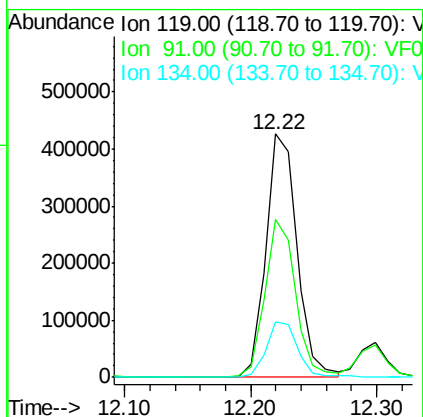
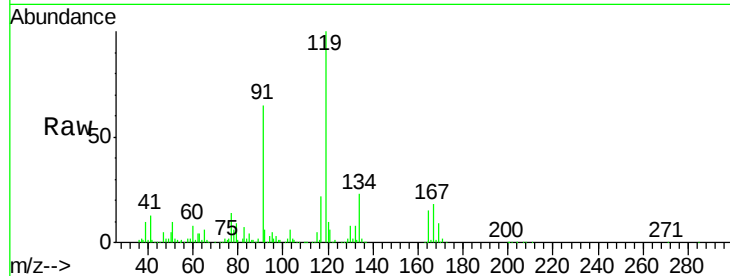




#83
tert-Butylbenzene
Concen: 65.029 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

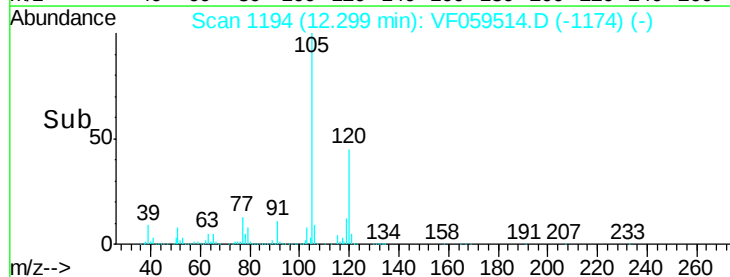
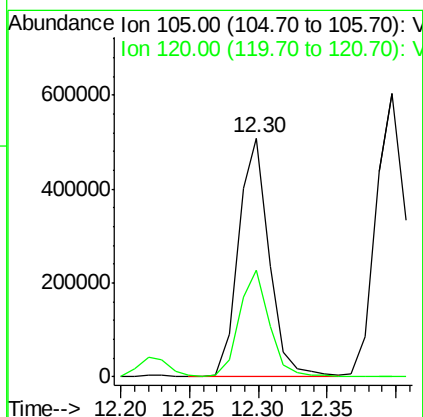
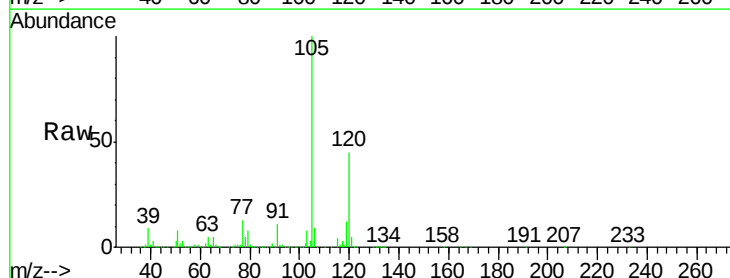
Instrument :
MSVOA_F
ClientSampled :
VSTDIC075

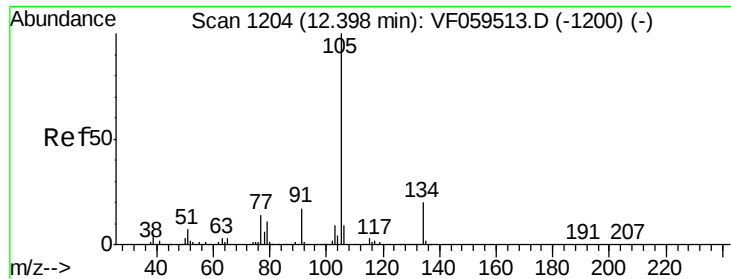
Tot Ion:119 Resp: 734037
Ion Ratio Lower Upper
119 100
91 65.1 33.5 100.5
134 22.9 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 65.576 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion:105 Resp: 790005
Ion Ratio Lower Upper
105 100
120 44.9 22.5 67.5

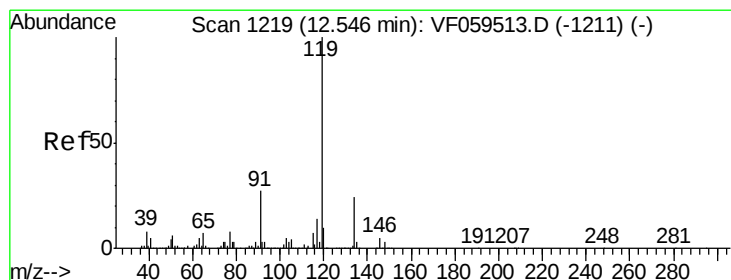
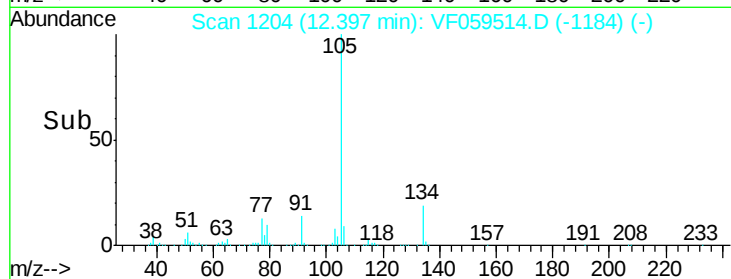
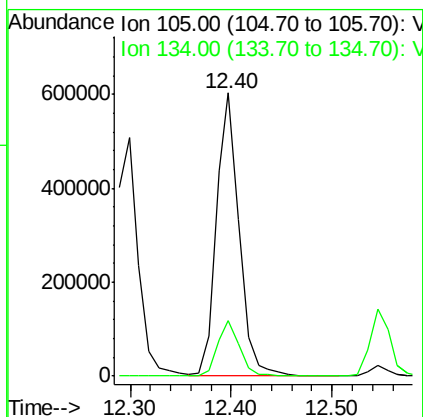
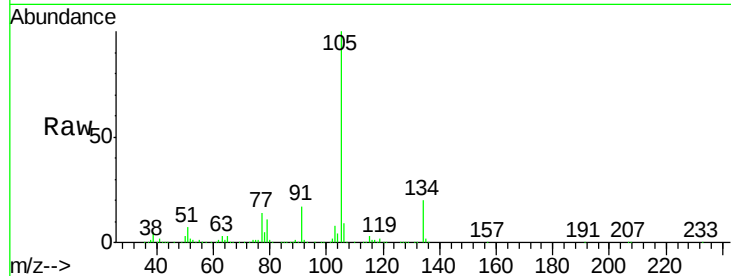




#85
 sec-Butylbenzene
 Concen: 66.235 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

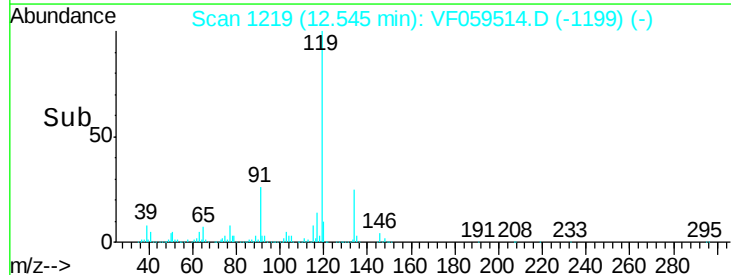
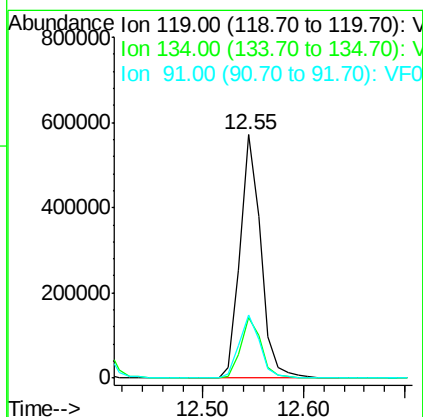
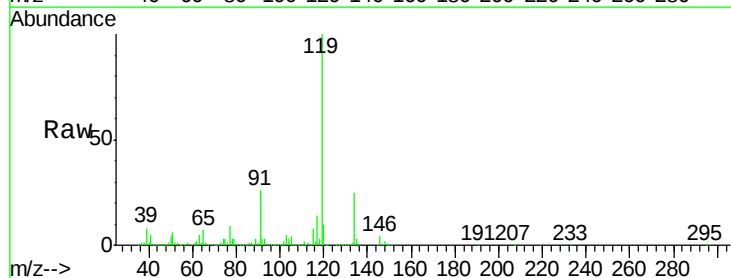
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

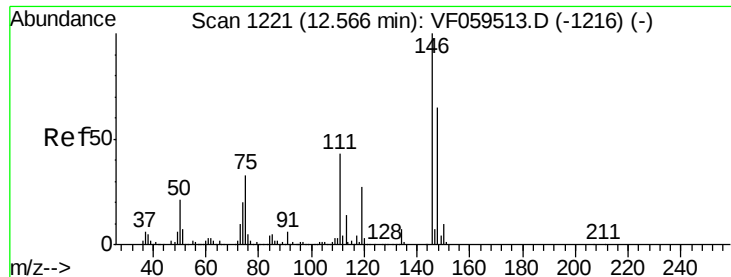
Tot Ion:105 Resp: 944320
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 64.587 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion:119 Resp: 814517
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.0 36.0
 91 25.8 13.5 40.4

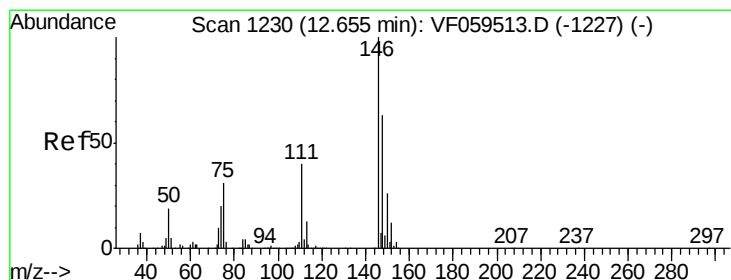
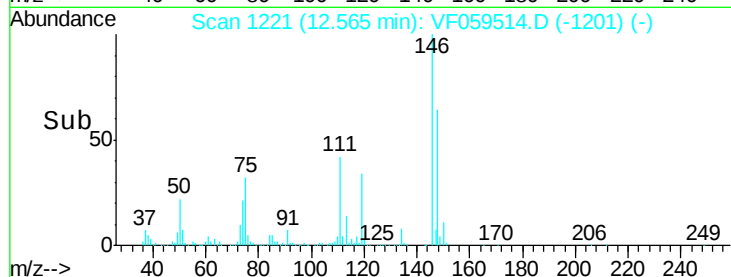
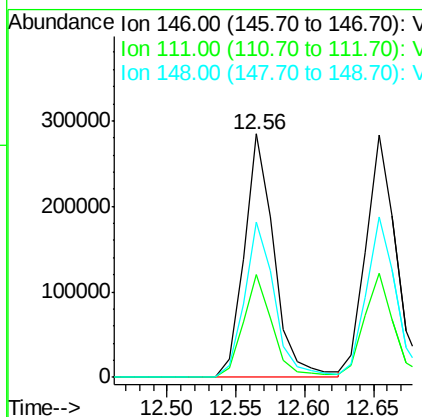
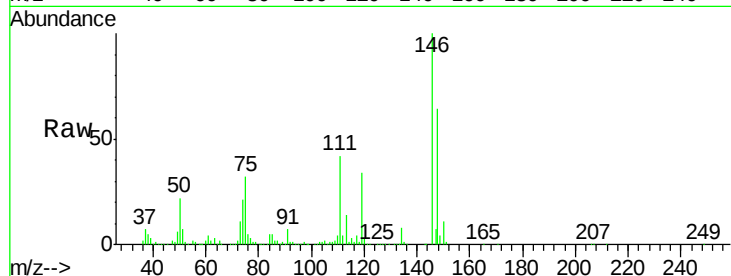




#87
 1,3-Dichlorobenzene
 Concen: 63.855 ug/l
 RT: 12.56 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

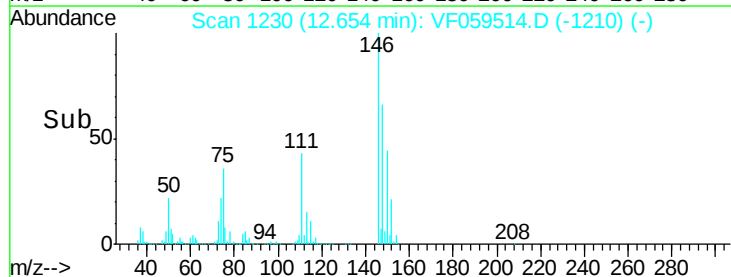
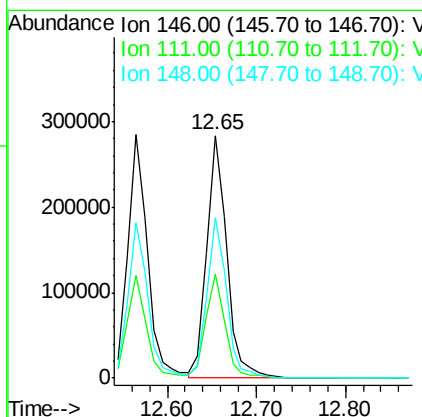
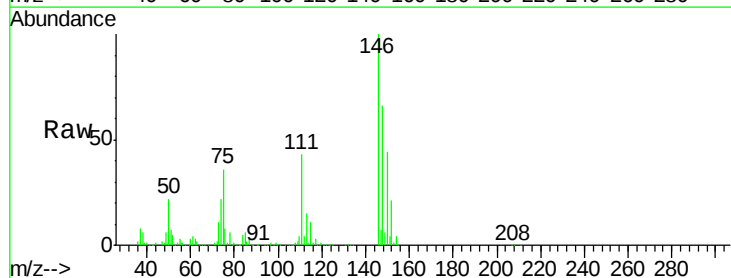
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

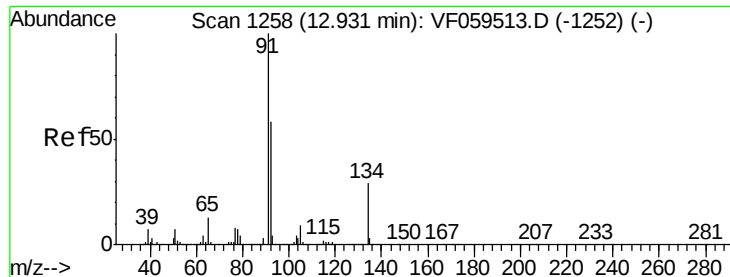
Tot Ion:146 Resp: 432143
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.4 64.3
 148 63.9 32.7 98.1



#88
 1,4-Dichlorobenzene
 Concen: 67.012 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VF059514.D
 Acq: 17 Jul 2018 18:28

Tgt Ion:146 Resp: 438838
 Ion Ratio Lower Upper
 146 100
 111 43.1 20.0 59.9
 148 66.0 31.5 94.5

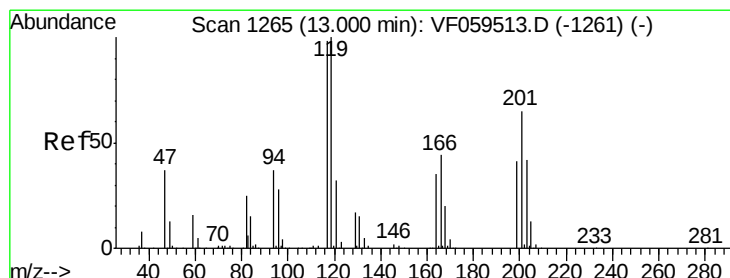
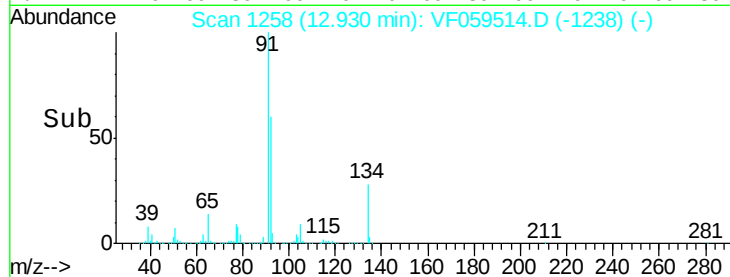
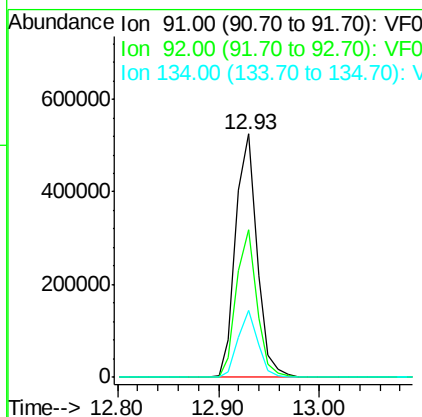
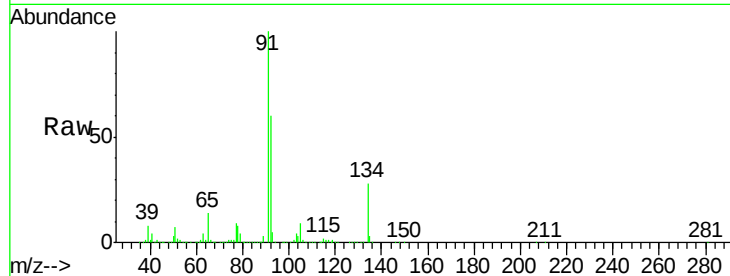




#89
n-Butylbenzene
Concen: 66.679 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

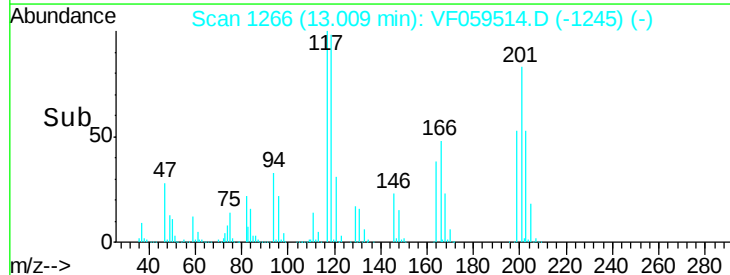
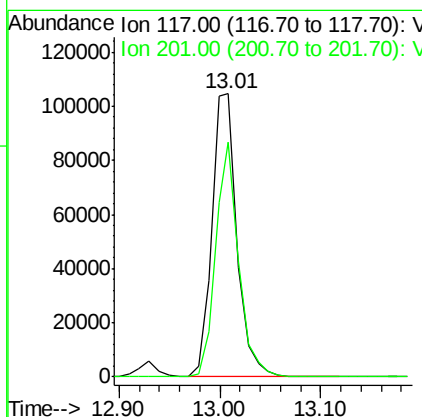
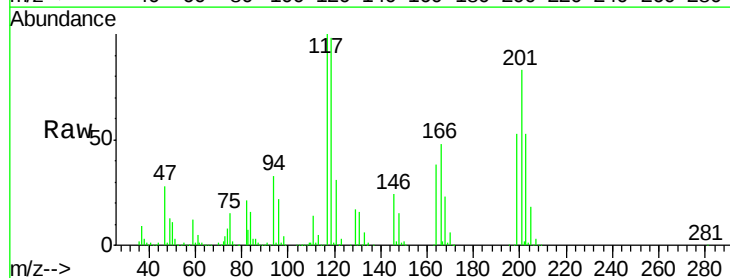
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

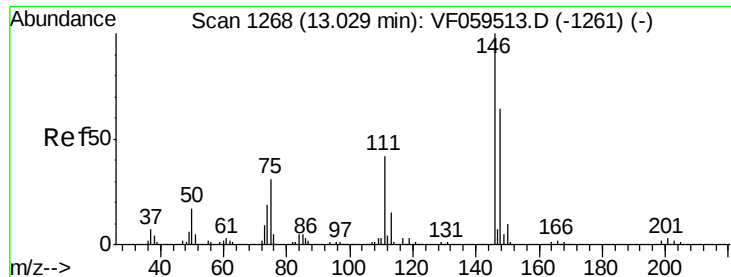
Tot Ion: 91 Resp: 772071
Ion Ratio Lower Upper
91 100
92 60.4 29.1 87.3
134 27.8 14.3 42.9



#90
Hexachloroethane
Concen: 64.436 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion: 117 Resp: 182950
Ion Ratio Lower Upper
117 100
201 84.6 32.6 98.0





#91

1,2-Dichlorobenzene

Concen: 66.895 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

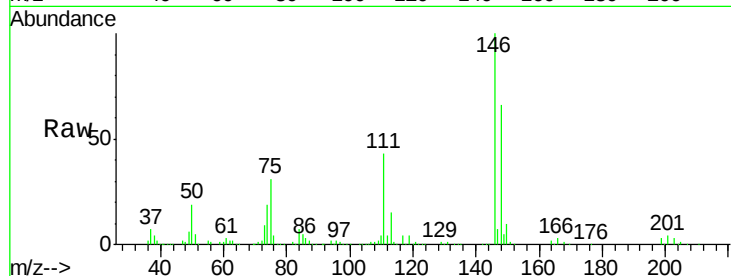
Tot Ion:146 Resp: 422047

Ion Ratio Lower Upper

146 100

111 42.8 21.1 63.1

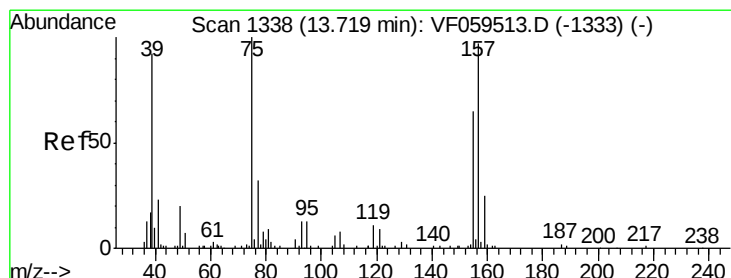
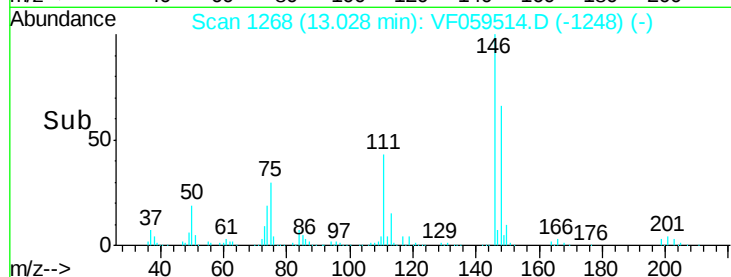
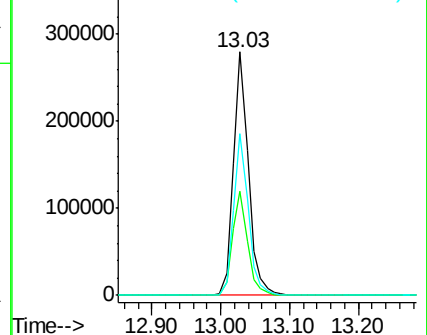
148 66.2 32.3 96.8



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: 71.472 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

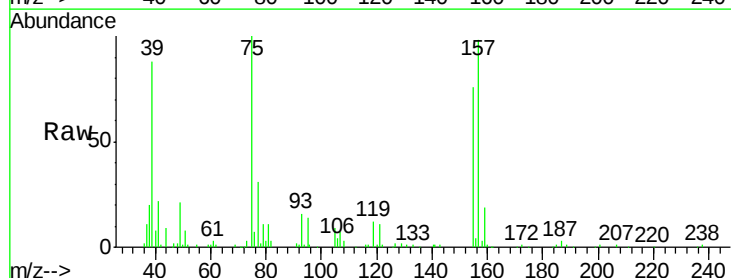
Tgt Ion: 75 Resp: 48808

Ion Ratio Lower Upper

75 100

155 76.3 32.8 98.3

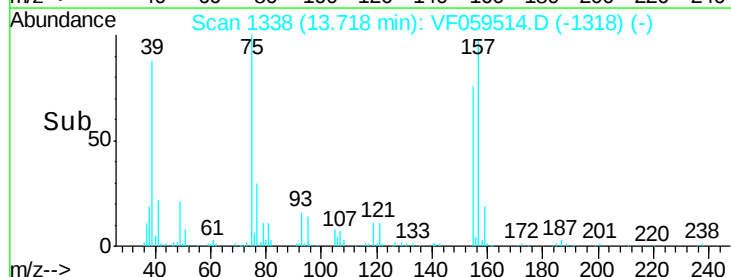
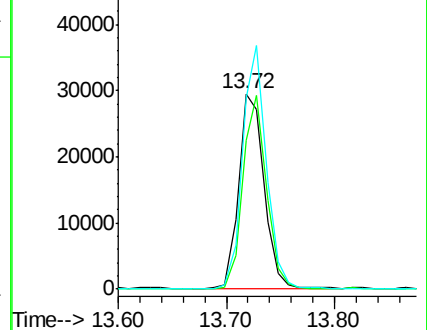
157 97.9 48.5 145.5

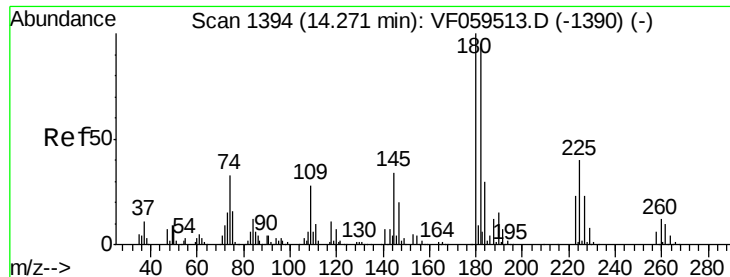


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 68.952 ug/l

RT: 14.28 min Scan# 1395

Delta R.T. 0.01 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

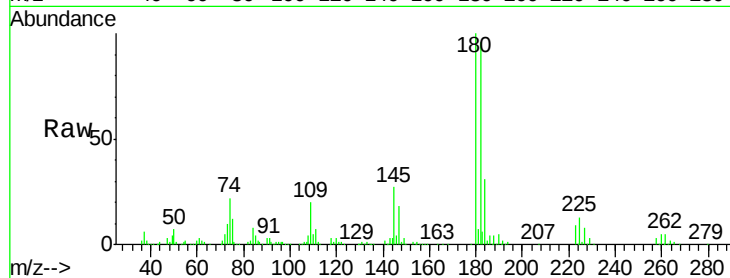
Tot Ion:180 Resp: 272041

Ion Ratio Lower Upper

180 100

182 95.9 47.5 142.5

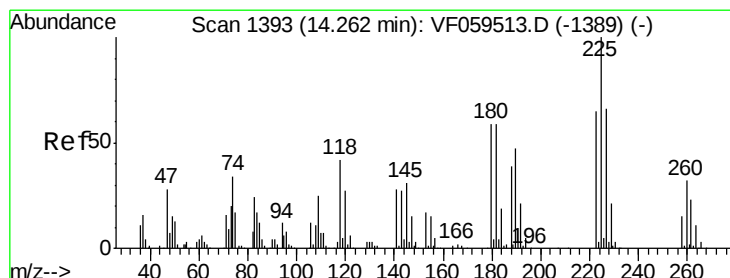
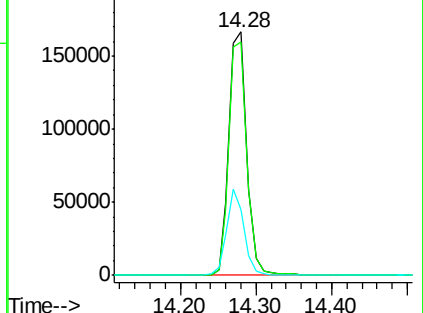
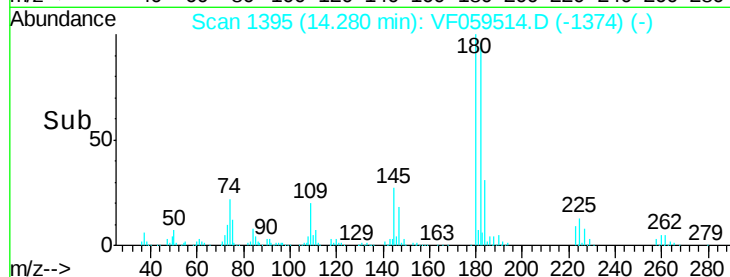
145 26.8 17.3 51.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 77.269 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VF059514.D

Acq: 17 Jul 2018 18:28

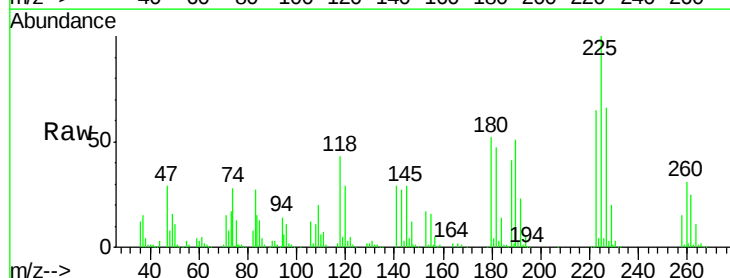
Tgt Ion:225 Resp: 134916

Ion Ratio Lower Upper

225 100

223 65.5 32.3 96.8

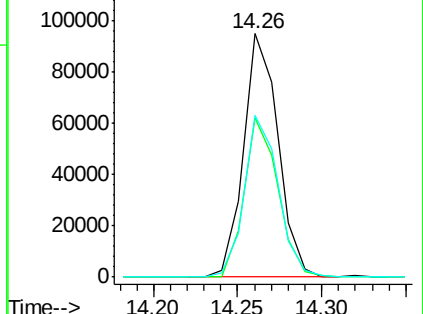
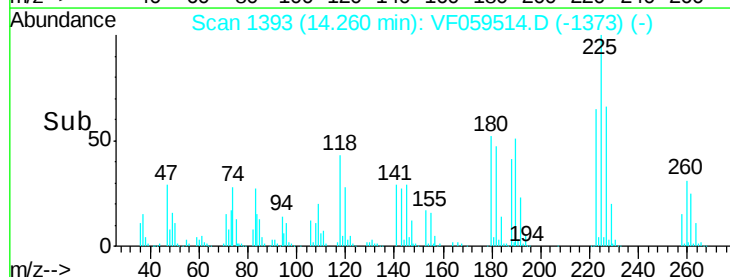
227 66.2 33.2 99.6

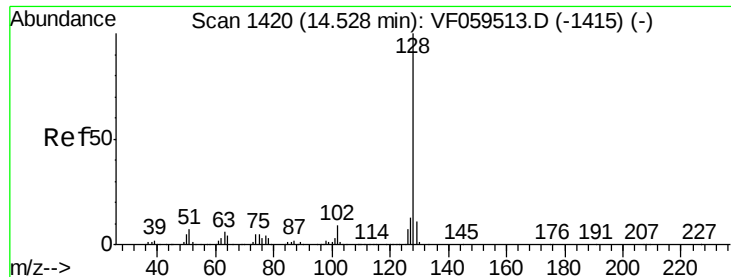


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

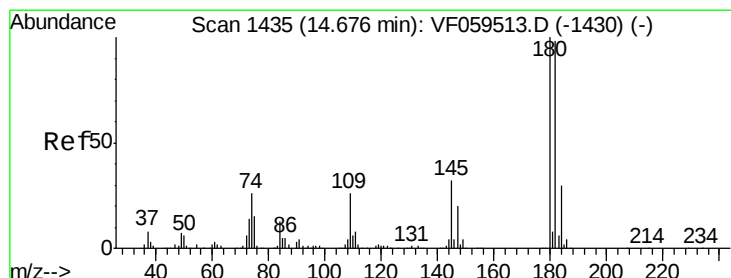
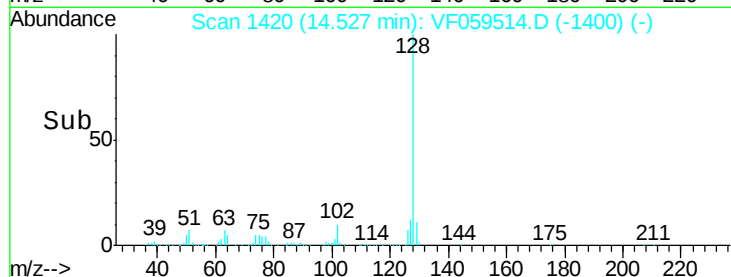
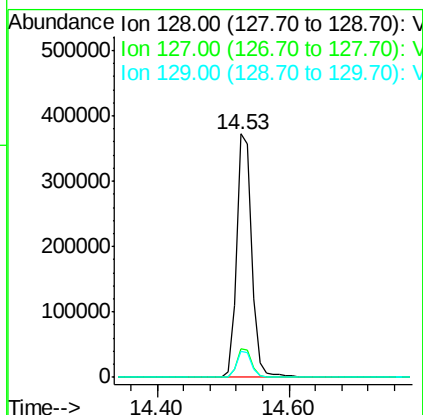
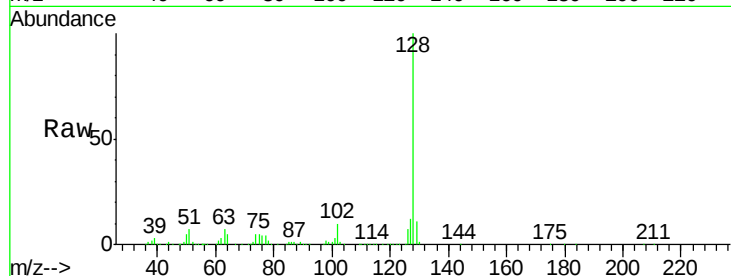




#95
Naphthalene
Concen: 71.844 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 603132
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.2
129 10.7 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 72.543 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VF059514.D
Acq: 17 Jul 2018 18:28

Tgt Ion:180 Resp: 249646
Ion Ratio Lower Upper
180 100
182 100.8 48.8 146.4
145 36.1 16.2 48.6

