

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059510.D
 Acq On : 17 Jul 2018 16:38
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 18 01:42:43 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	285488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	426945	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	404222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	237648	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	24237	5.62	ug/l	0.00
Spiked Amount			Recovery	=	11.24%	
35) Dibromofluoromethane	4.31	113	19415	5.24	ug/l	0.00
Spiked Amount			Recovery	=	10.48%	
50) Toluene-d8	7.72	98	50076	5.46	ug/l	0.00
Spiked Amount			Recovery	=	10.92%	
62) 4-Bromofluorobenzene	11.51	95	25340	5.20	ug/l	0.00
Spiked Amount			Recovery	=	10.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	20427	6.286	ug/l	86
3) Chloromethane	1.08	50	11946	6.522	ug/l	92
4) Vinyl Chloride	1.15	62	10283	5.390	ug/l	99
5) Bromomethane	1.34	94	7627	5.740	ug/l #	80
6) Chloroethane	1.44	64	4862	4.870	ug/l #	42
7) Trichlorofluoromethane	1.52	101	25236	5.763	ug/l	90
8) Diethyl Ether	1.71	74	5066	5.774	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.91	101	10996	5.286	ug/l #	78
10) Methyl Iodide	1.96	142	16994	4.847	ug/l	88
11) Tert butyl alcohol	2.69	59	6691	33.478	ug/l #	90
12) 1,1-Dichloroethene	1.88	96	12344	6.144	ug/l #	67
13) Acrolein	2.09	56	3845	34.435	ug/l	85
14) Allyl chloride	2.19	41	15603	5.921	ug/l #	97
15) Acrylonitrile	3.09	53	10466	28.377	ug/l	87
16) Acetone	2.27	43	900	1.230	ug/l	96
17) Carbon Disulfide	1.89	76	29261	5.365	ug/l #	85
18) Methyl Acetate	2.45	43	11150	7.420	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	36072	5.489	ug/l #	92
20) Methylene Chloride	2.32	84	19136	7.302	ug/l #	81
21) trans-1,2-Dichloroethene	2.41	96	9934	5.428	ug/l	86
22) Diisopropyl ether	2.94	45	37298	4.937	ug/l #	98
23) Vinyl Acetate	3.34	43	109031	24.837	ug/l	99
24) 1,1-Dichloroethane	3.01	63	24379	5.685	ug/l	99
25) 2-Butanone	4.52	43	29738	27.952	ug/l #	88
26) 2,2-Dichloropropane	3.77	77	18639	6.476	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	11057	4.419	ug/l	94
28) Bromochloromethane	3.89	49	11124	5.594	ug/l	100
29) Tetrahydrofuran	4.27	42	14827	32.444	ug/l	91
30) Chloroform	4.04	83	35025	5.438	ug/l	98
31) Cyclohexane	3.86	56	10632	4.390	ug/l #	84
32) 1,1,1-Trichloroethane	4.28	97	21841	4.888	ug/l #	86
36) 1,1-Dichloropropene	4.47	75	22290	5.127	ug/l #	93
37) Ethyl Acetate	4.30	43	13865	5.210	ug/l #	61
38) Carbon Tetrachloride	4.18	117	25025	4.964	ug/l	95

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 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 18 01:42:43 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)
39) Methylcyclohexane	5.63	83	15367	4.693	ug/l	89
40) Benzene	4.82	78	42558	5.038	ug/l	94
41) Methacrylonitrile	4.94	41	6990	5.448	ug/l #	85
42) 1,2-Dichloroethane	5.13	62	26870	4.968	ug/l	96
43) Isopropyl Acetate	7.13	43	15835	4.969	ug/l #	99
44) Trichloroethene	5.68	130	16096	5.285	ug/l	96
45) 1,2-Dichloropropane	6.41	63	11237	4.690	ug/l	91
46) Dibromomethane	6.26	93	10830	5.060	ug/l	85
47) Bromodichloromethane	6.56	83	25863	4.729	ug/l	97
48) Methyl methacrylate	6.89	41	11676	5.084	ug/l	95
49) 1,4-Dioxane	6.89	88	705	67.864	ug/l #	40
51) 4-Methyl-2-Pentanone	8.42	43	59044	26.409	ug/l	97
52) Toluene	7.79	92	31381	5.166	ug/l	84
53) t-1,3-Dichloropropene	8.44	75	24935	5.158	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	23958	4.777	ug/l #	84
55) 1,1,2-Trichloroethane	8.64	97	11058	4.570	ug/l	95
56) Ethyl methacrylate	8.77	69	14025	4.602	ug/l	88
57) 1,3-Dichloropropane	9.02	76	20493	4.978	ug/l	88
58) 2-Chloroethyl Vinyl ether	7.79	63	7057	27.732	ug/l	100
59) 2-Hexanone	9.65	43	41881	23.876	ug/l	99
60) Dibromochloromethane	8.87	129	19555	4.980	ug/l	90
61) 1,2-Dibromoethane	9.15	107	14970	5.112	ug/l	97
64) Tetrachloroethene	8.31	164	16248	5.098	ug/l	94
65) Chlorobenzene	9.96	112	38636	5.082	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	18254	5.303	ug/l	86
67) Ethyl Benzene	10.05	91	72317	5.331	ug/l	100
68) m/p-Xylenes	10.28	106	52157	10.735	ug/l	100
69) o-Xylene	10.84	106	24885	4.929	ug/l	85
70) Styrene	10.91	104	42499	5.320	ug/l	98
71) Bromoform	10.90	173	11741	4.678	ug/l	96
73) Isopropylbenzene	11.24	105	78559	5.182	ug/l	100
74) N-amyl acetate	11.47	43	24425	4.540	ug/l #	95
75) 1,1,1,2,2-Tetrachloroethane	11.80	83	18621	5.601	ug/l	91
76) 1,2,3-Trichloropropane	11.90	75	14390	5.250	ug/l	98
77) Bromobenzene	11.60	156	22353	5.233	ug/l	96
78) n-propylbenzene	11.70	91	92327	5.260	ug/l	99
79) 2-Chlorotoluene	11.82	91	58909	5.553	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	68816	5.280	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	8503	6.543	ug/l #	82
82) 4-Chlorotoluene	12.00	91	64479	5.246	ug/l	97
83) tert-Butylbenzene	12.22	119	63390	5.196	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	69744	5.356	ug/l	94
85) sec-Butylbenzene	12.40	105	82433	5.349	ug/l	100
86) p-Isopropyltoluene	12.55	119	69632	5.108	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	39463	5.395	ug/l	95
88) 1,4-Dichlorobenzene	12.66	146	38523	5.443	ug/l	98
89) n-Butylbenzene	12.92	91	64109	5.123	ug/l	89
90) Hexachloroethane	13.00	117	16250	5.295	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	38262	5.611	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	3182	4.311	ug/l	81

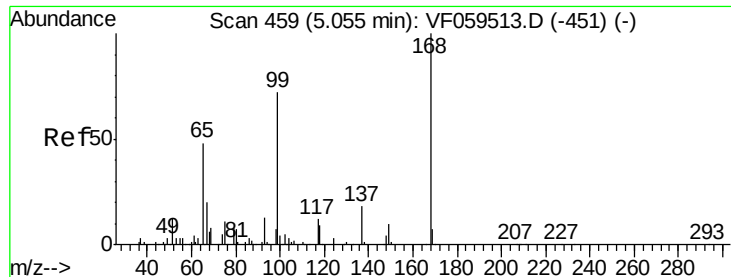
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071718\
Data File : VF059510.D
Acq On : 17 Jul 2018 16:38
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: Jul 18 01:42:43 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.27	180	20544	4.818	ug/l	95
94) Hexachlorobutadiene	14.26	225	10030	5.315	ug/l	98
95) Naphthalene	14.53	128	43197	4.761	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	18766	5.045	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

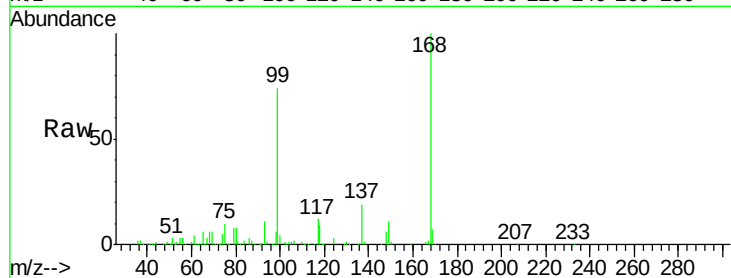
VSTDIC005

Tot Ion:168 Resp: 285488

Ion Ratio Lower Upper

168 100

99 74.2 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

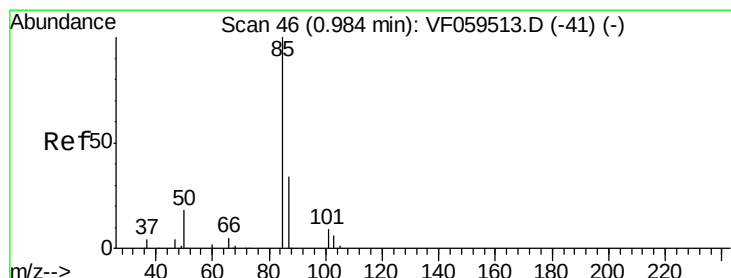
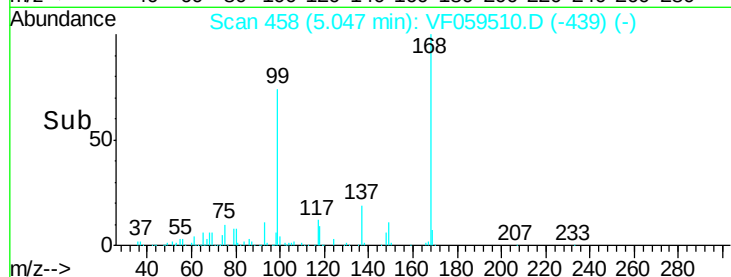
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 6.286 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059510.D

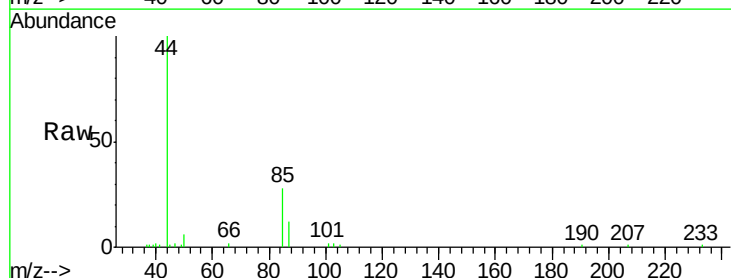
Acq: 17 Jul 2018 16:38

Tgt Ion: 85 Resp: 20427

Ion Ratio Lower Upper

85 100

87 41.8 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

6000

5000

4000

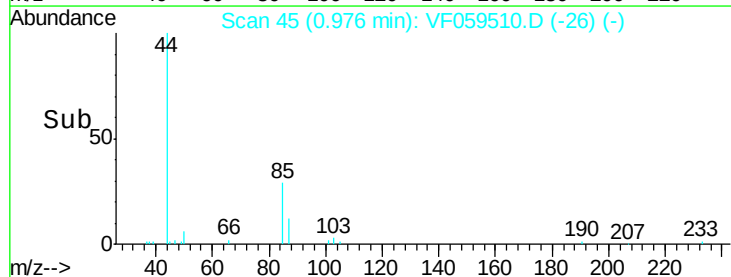
3000

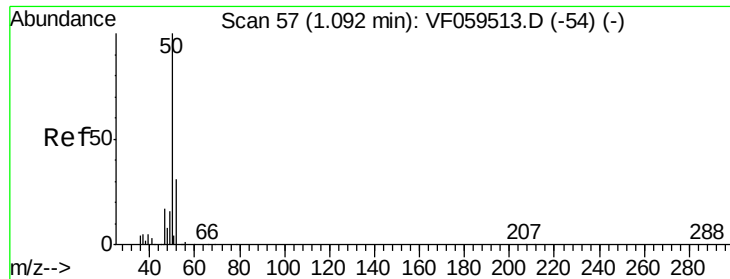
2000

1000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 6.522 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

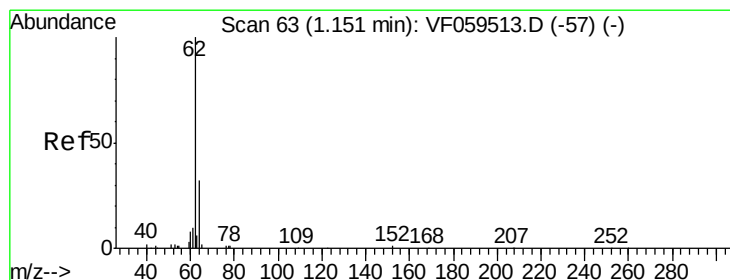
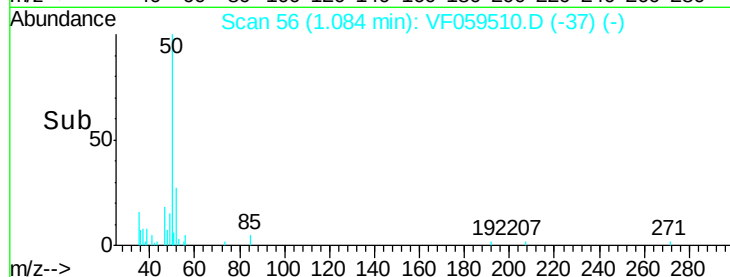
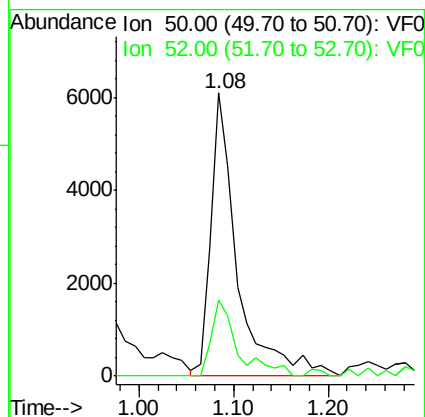
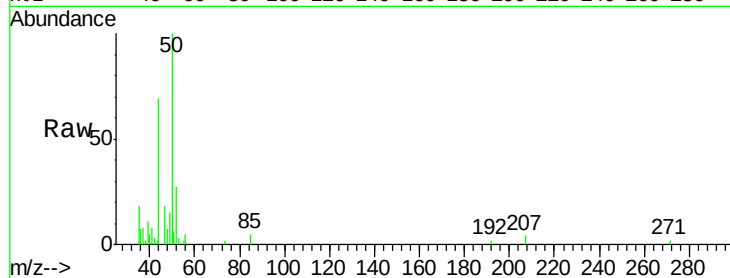
VSTDIC005

Tot Ion: 50 Resp: 11946

Ion Ratio Lower Upper

50 100

52 26.7 24.6 37.0



#4

Vinyl Chloride

Concen: 5.390 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059510.D

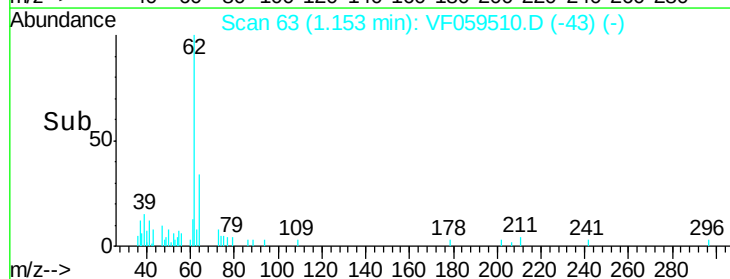
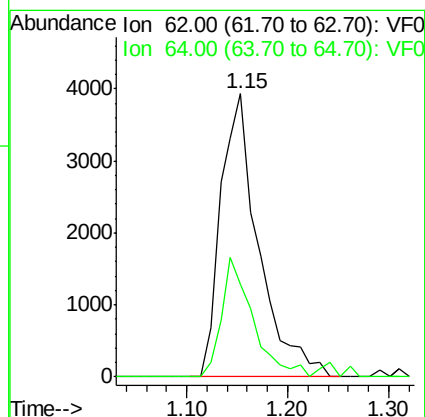
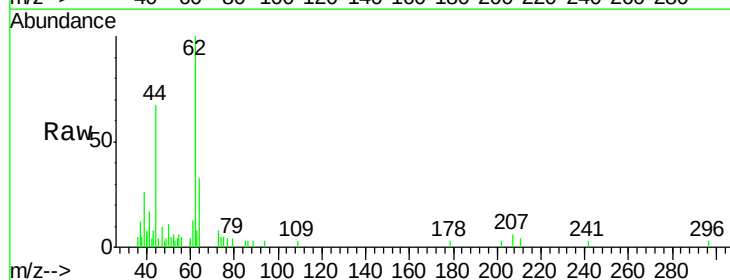
Acq: 17 Jul 2018 16:38

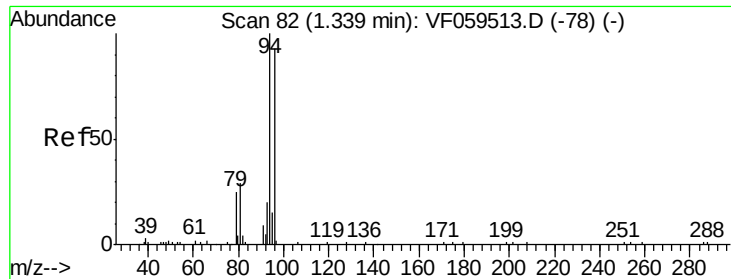
Tgt Ion: 62 Resp: 10283

Ion Ratio Lower Upper

62 100

64 32.8 25.7 38.5





#5

Bromomethane

Concen: 5.740 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

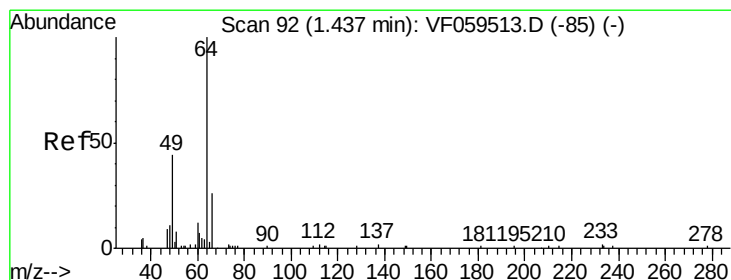
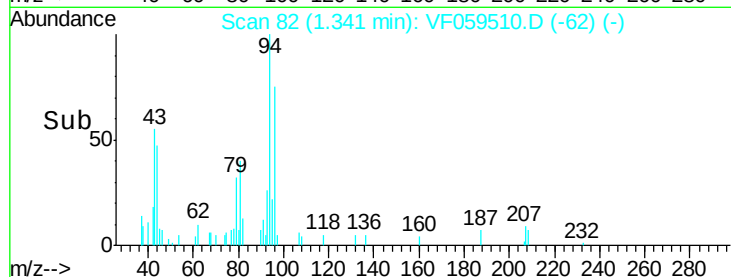
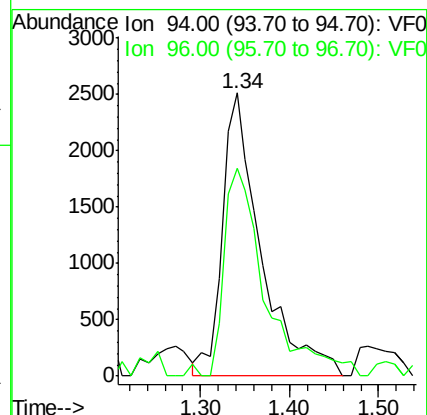
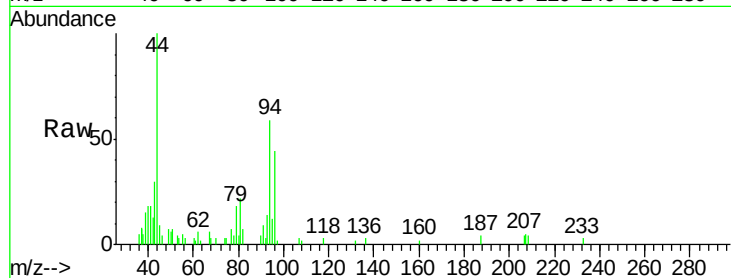
VSTDIC005

Tot Ion: 94 Resp: 7627

Ion Ratio Lower Upper

94 100

96 73.6 74.2 111.2#



#6

Chloroethane

Concen: 4.870 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF059510.D

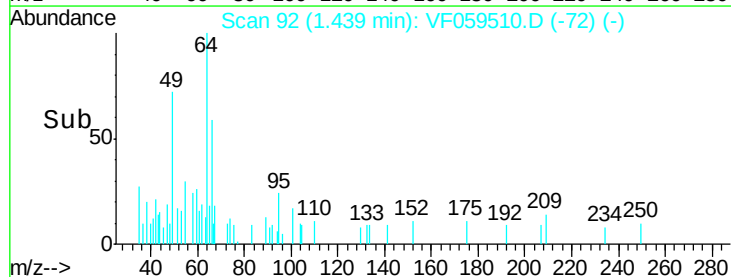
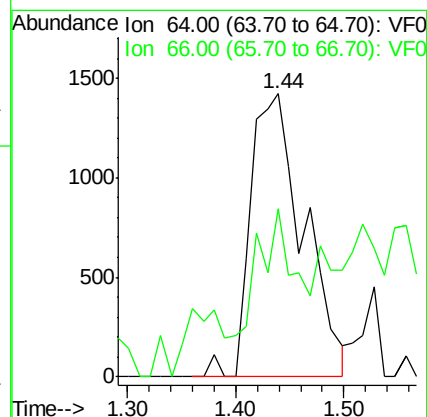
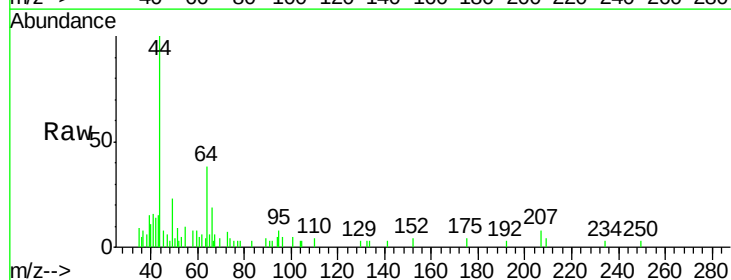
Acq: 17 Jul 2018 16:38

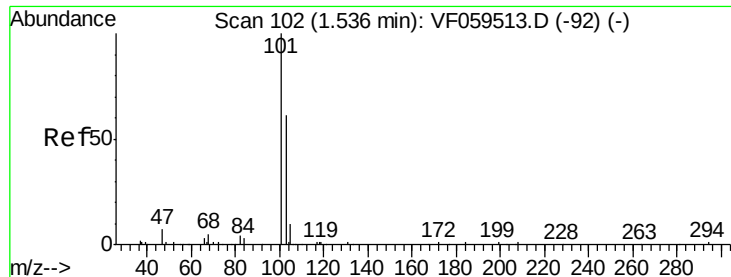
Tgt Ion: 64 Resp: 4862

Ion Ratio Lower Upper

64 100

66 59.4 22.9 34.3#



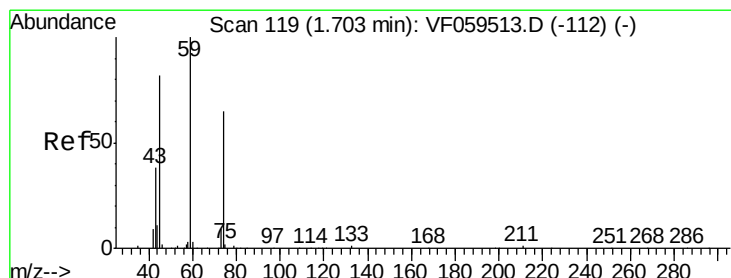
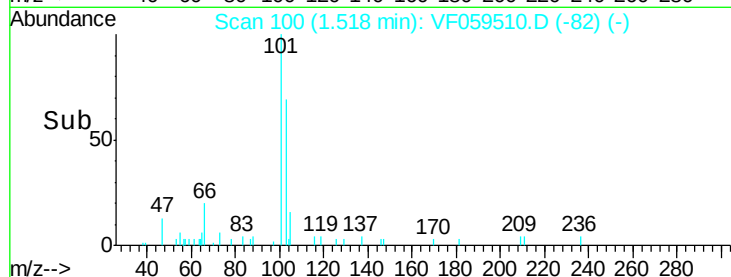
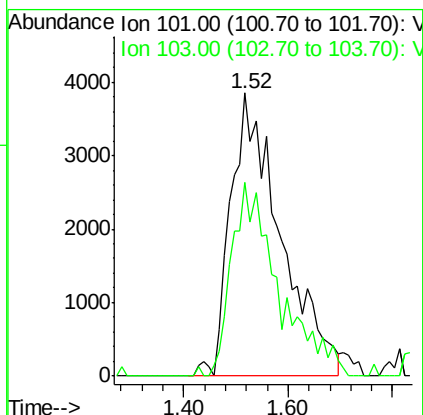
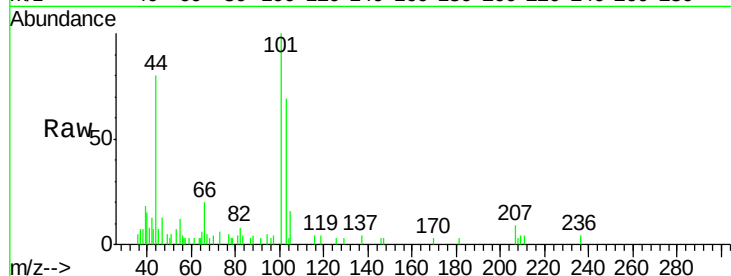


#7

Trichlorofluoromethane
Concen: 5.763 ug/l
RT: 1.52 min Scan# 100
Delta R.T. -0.02 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

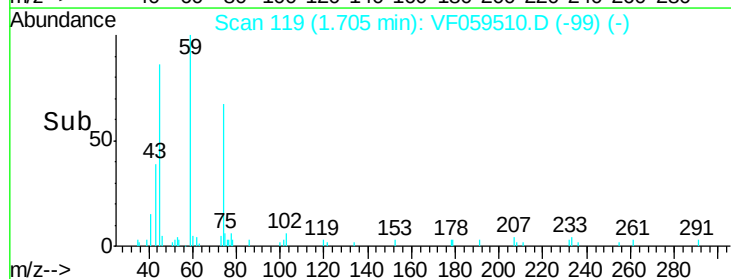
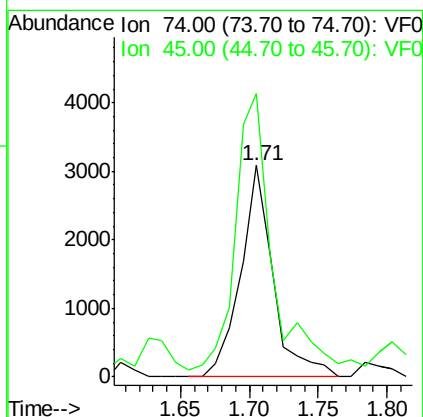
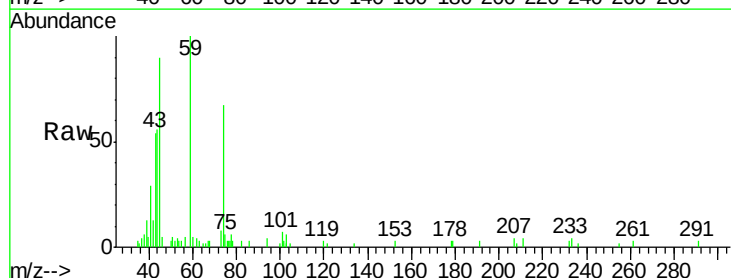
Tot Ion:101 Resp: 25236
Ion Ratio Lower Upper
101 100
103 68.6 48.6 72.8

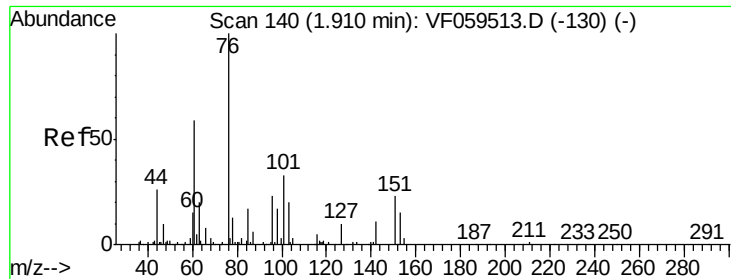


#8

Diethyl Ether
Concen: 5.774 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion: 74 Resp: 5066
Ion Ratio Lower Upper
74 100
45 134.0 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.286 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

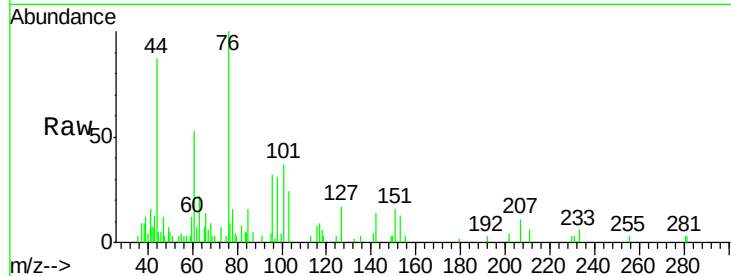
Tot Ion:101 Resp: 10996

Ion Ratio Lower Upper

101 100

85 41.4 39.8 59.6

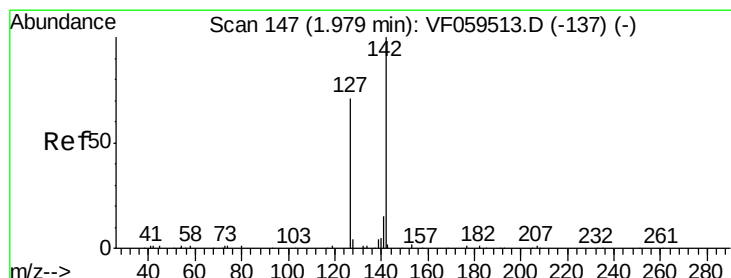
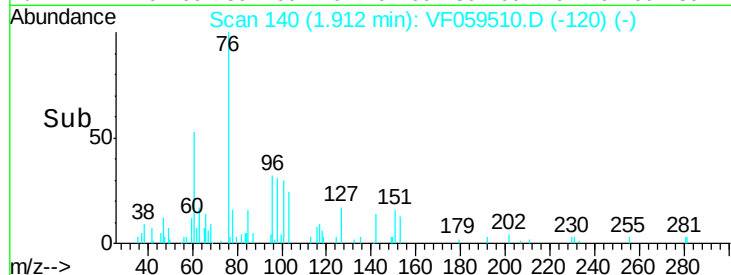
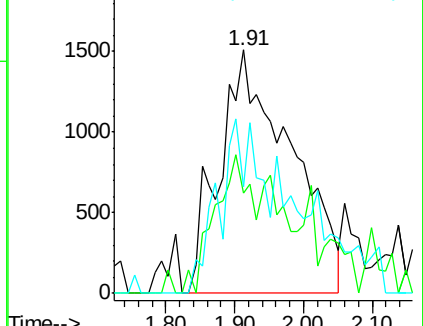
151 43.8 54.2 81.2#



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: 4.847 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.02 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

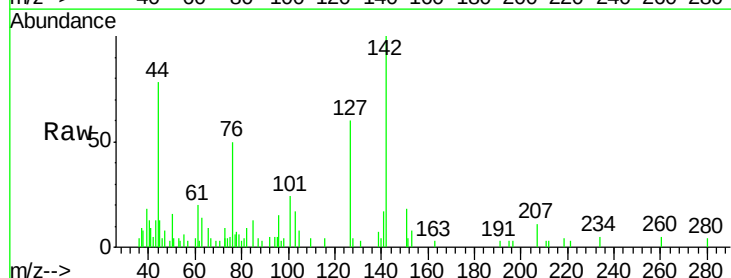
Tgt Ion:142 Resp: 16994

Ion Ratio Lower Upper

142 100

127 59.9 56.4 84.6

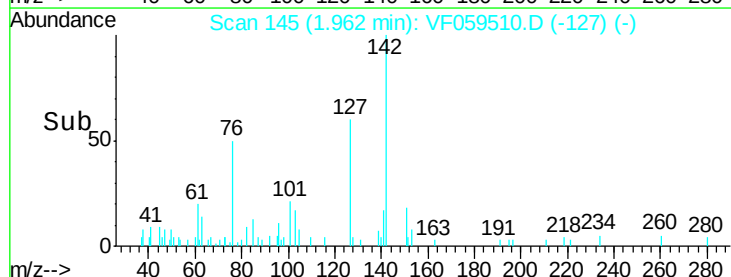
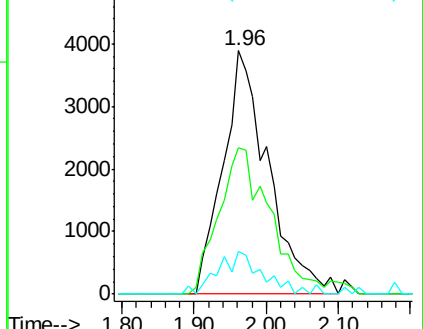
141 17.3 12.0 18.0

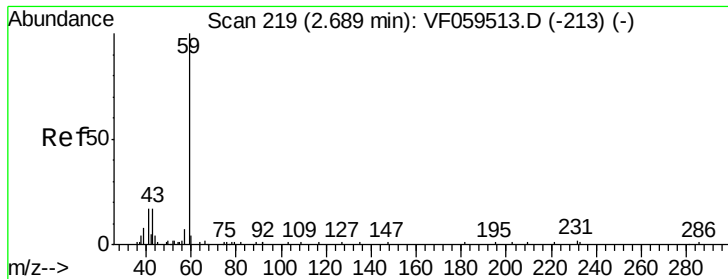


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

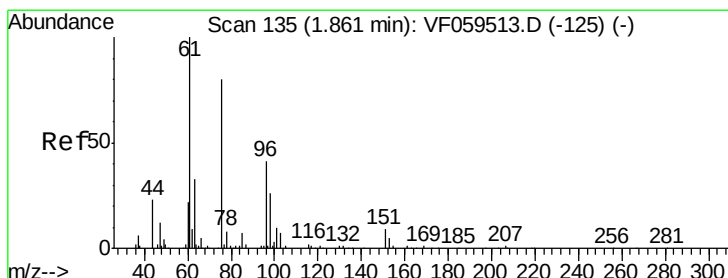
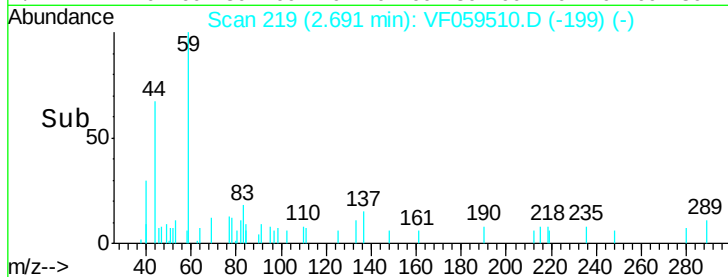
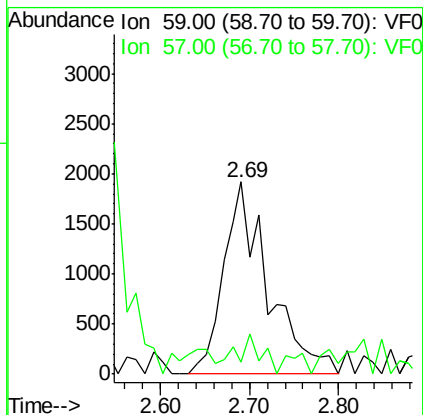
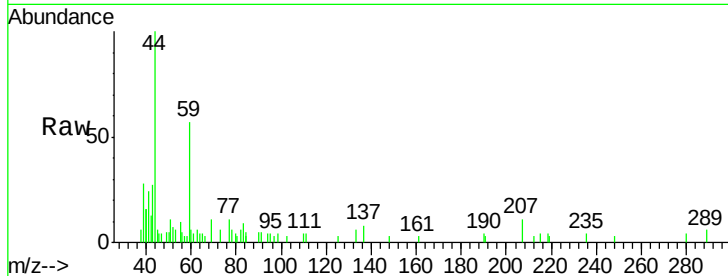




#11
Tert butyl alcohol
Concen: 33.478 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

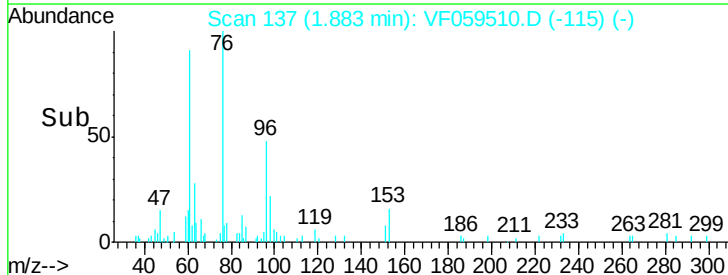
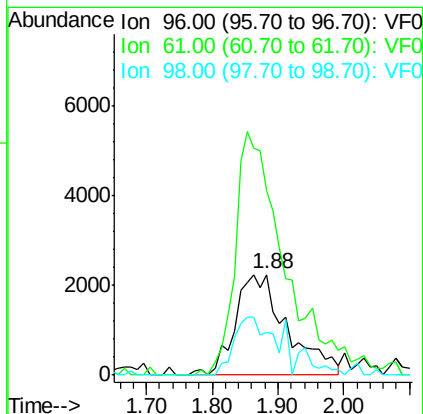
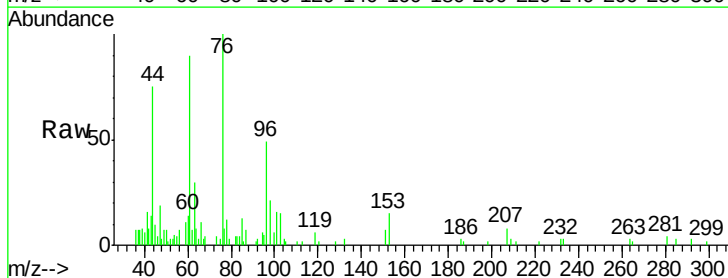
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

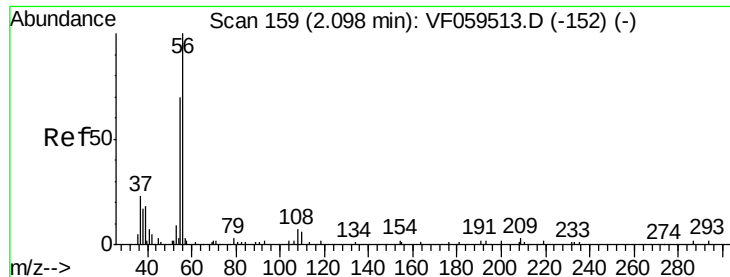
Tot Ion: 59 Resp: 6691
Ion Ratio Lower Upper
59 100
57 6.1 7.7 11.5#



#12
1,1-Dichloroethene
Concen: 6.144 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.02 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion: 96 Resp: 12344
Ion Ratio Lower Upper
96 100
61 183.1 194.3 291.5#
98 42.2 50.3 75.5#





#13

Acrolein

Concen: 34.435 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

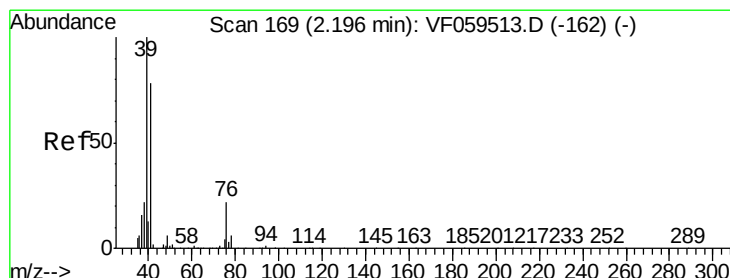
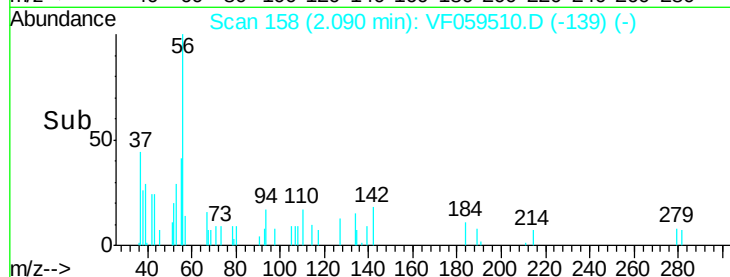
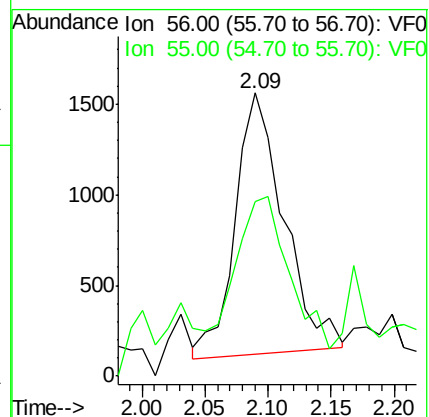
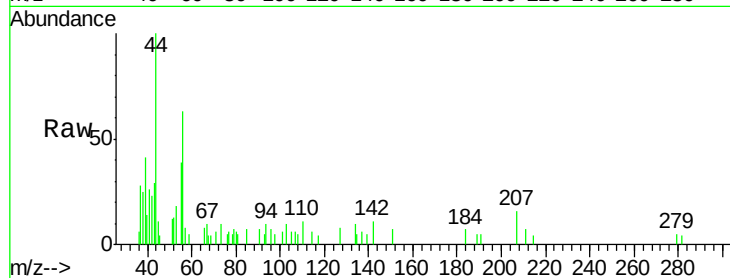
VSTDIC005

Tot Ion: 56 Resp: 3845

Ion Ratio Lower Upper

56 100

55 61.7 59.4 89.2



#14

Allyl chloride

Concen: 5.921 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

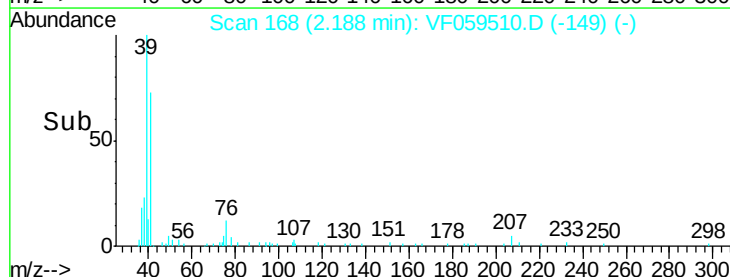
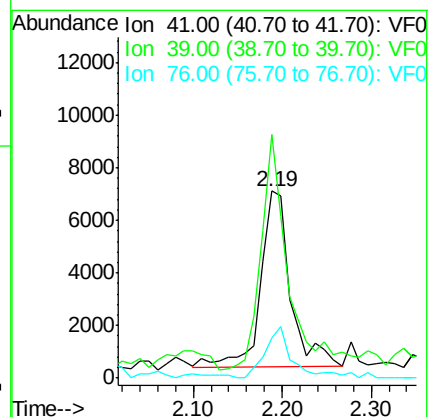
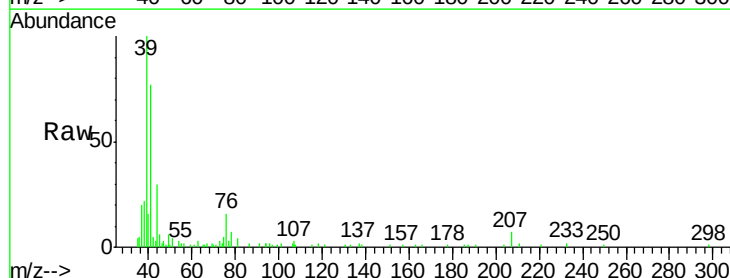
Tgt Ion: 41 Resp: 15603

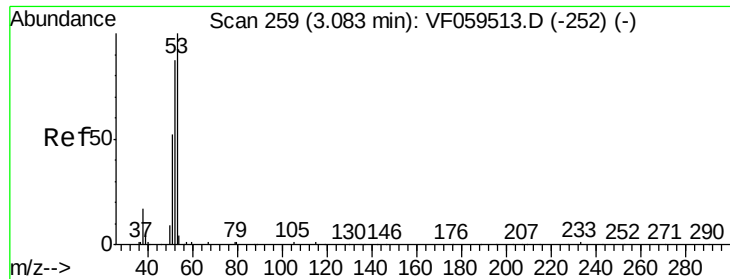
Ion Ratio Lower Upper

41 100

39 130.0 103.0 154.4

76 21.4 22.6 34.0#





#15

Acrylonitrile

Concen: 28.377 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

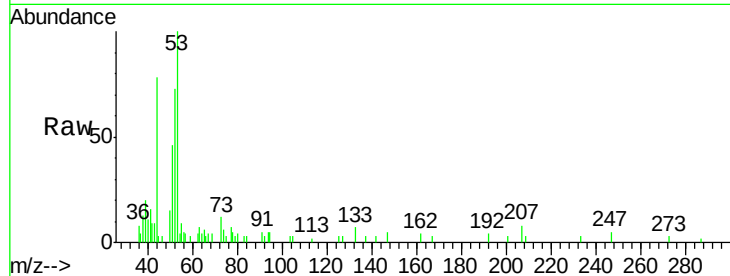
MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 53 Resp: 10466

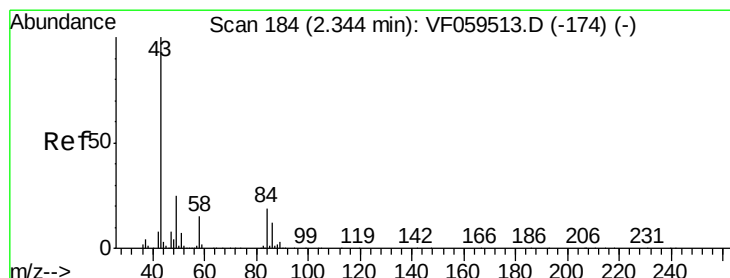
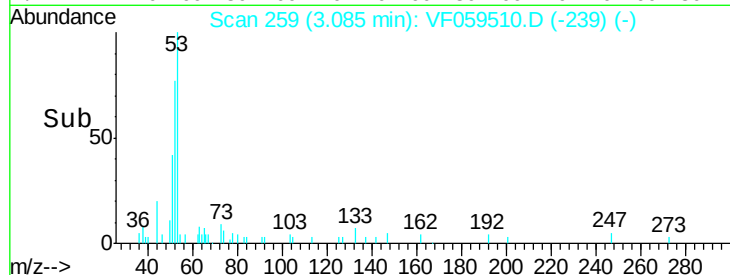
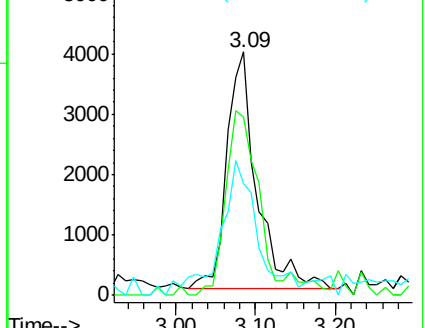
Ion	Ratio	Lower	Upper
53	100		
52	73.2	70.1	105.1
51	45.9	42.5	63.7



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: 1.230 ug/l

RT: 2.27 min Scan# 176

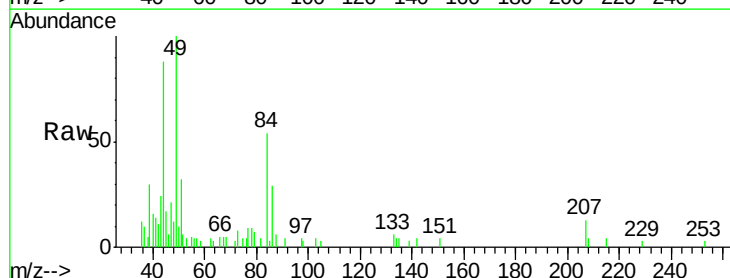
Delta R.T. -0.08 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

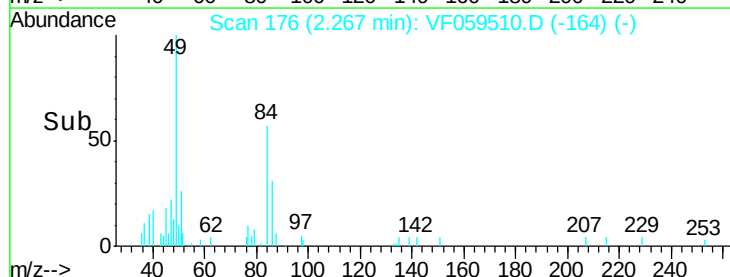
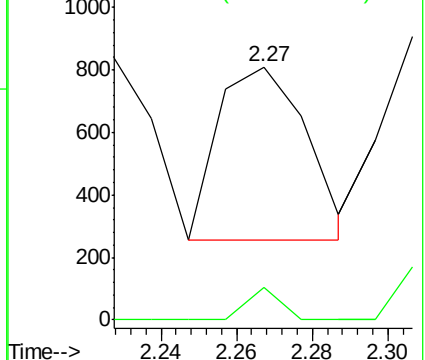
Tgt Ion: 43 Resp: 900

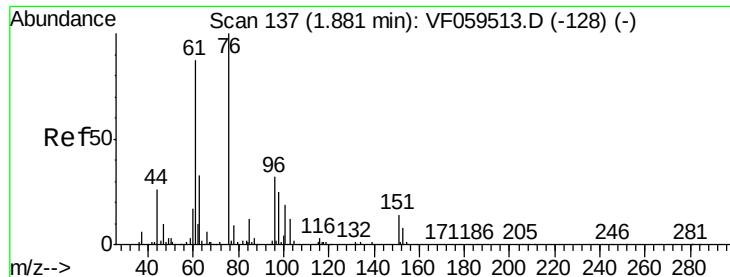
Ion	Ratio	Lower	Upper
43	100		
58	13.1	11.8	17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 5.365 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

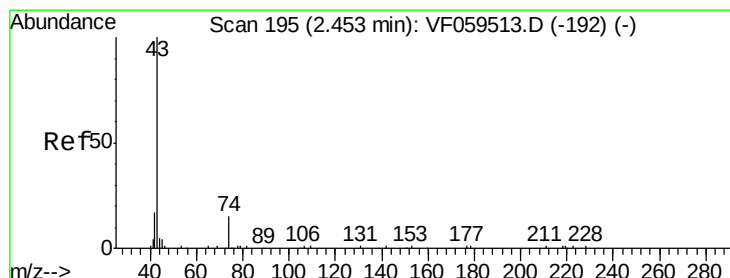
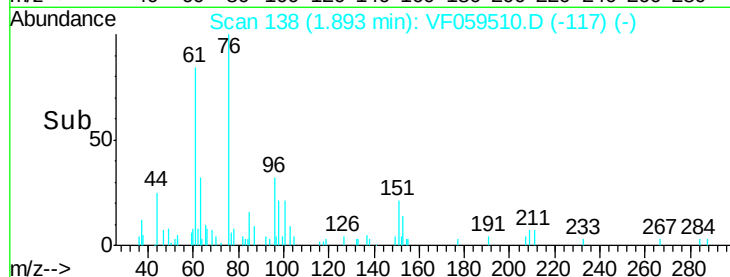
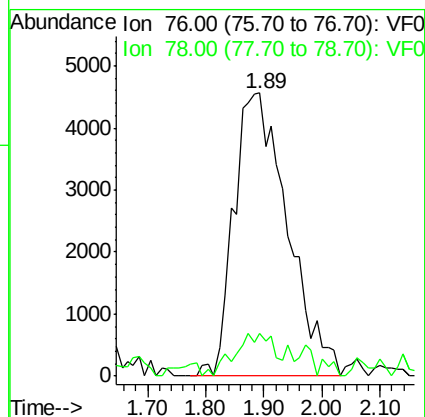
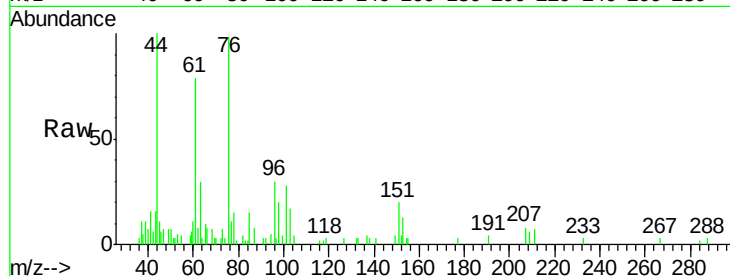
VSTDIC005

Tot Ion: 76 Resp: 29261

Ion Ratio Lower Upper

76 100

78 15.3 7.8 11.6#



#18

Methyl Acetate

Concen: 7.420 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059510.D

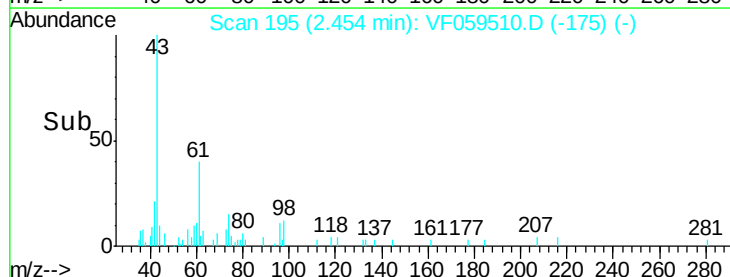
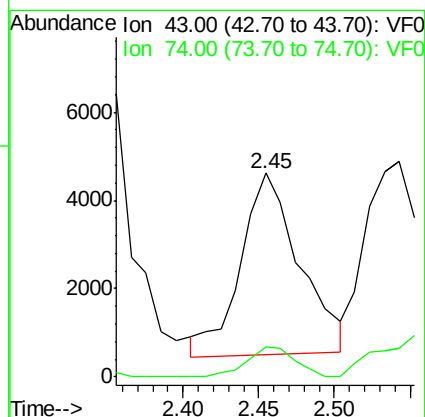
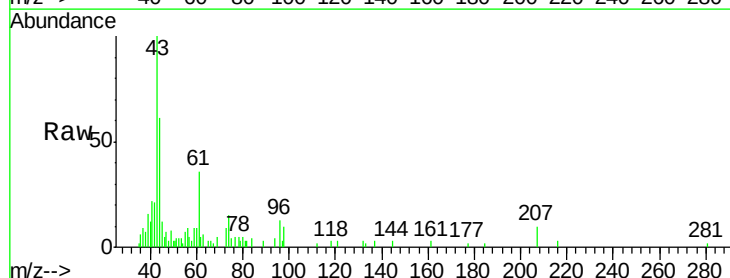
Acq: 17 Jul 2018 16:38

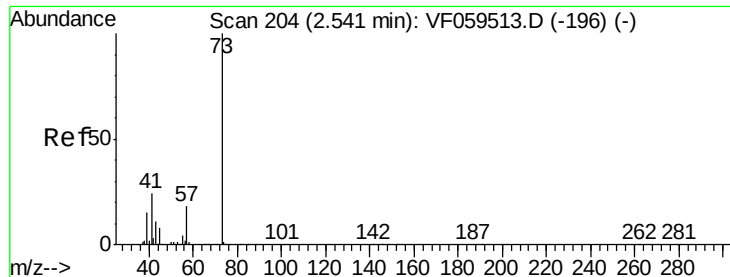
Tgt Ion: 43 Resp: 11150

Ion Ratio Lower Upper

43 100

74 14.5 10.6 15.8



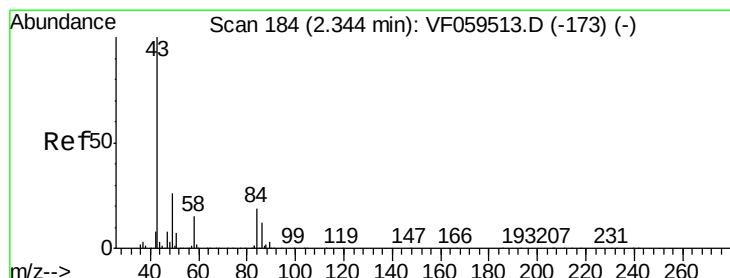
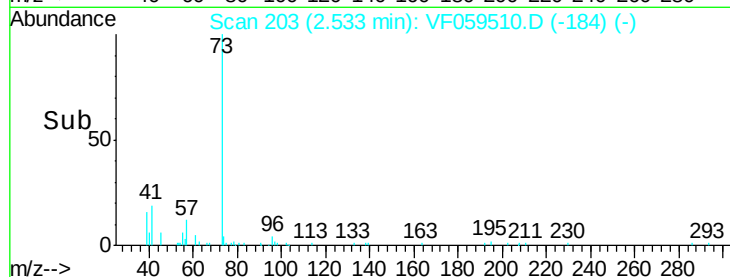
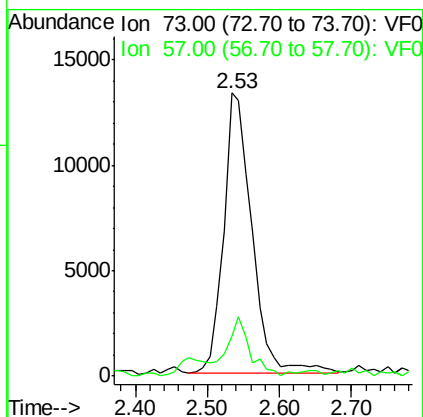
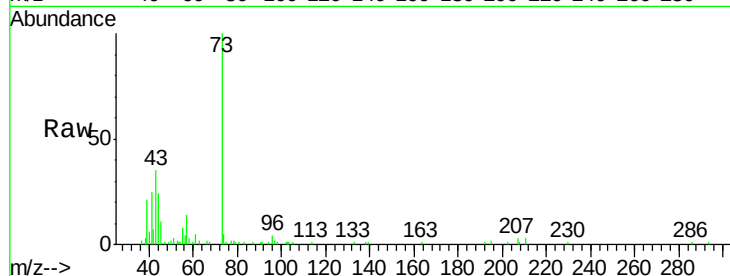


#19

Methyl tert-butyl Ether
 Concen: 5.489 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

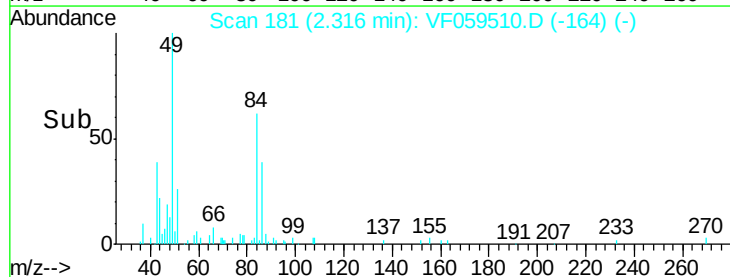
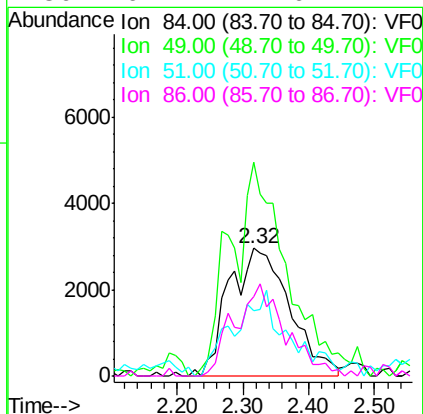
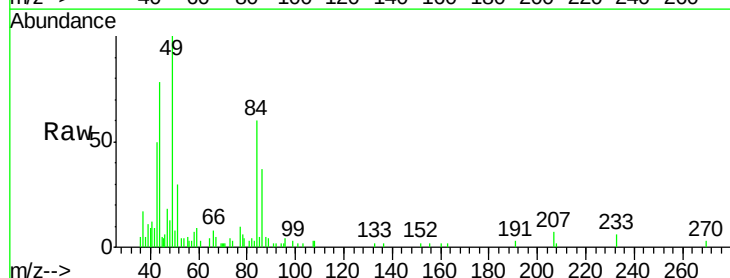
Tot Ion: 73 Resp: 36072
 Ion Ratio Lower Upper
 73 100
 57 14.3 14.3 21.5#

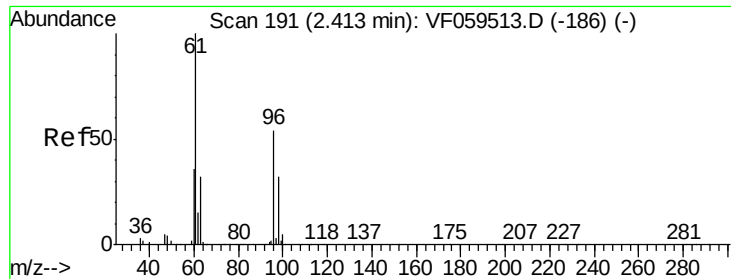


#20

Methylene Chloride
 Concen: 7.302 ug/l
 RT: 2.32 min Scan# 181
 Delta R.T. -0.03 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion: 84 Resp: 19136
 Ion Ratio Lower Upper
 84 100
 49 167.4 109.4 164.2#
 51 50.8 30.5 45.7#
 86 62.4 47.6 71.4





#21

trans-1,2-Dichloroethene

Concen: 5.428 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

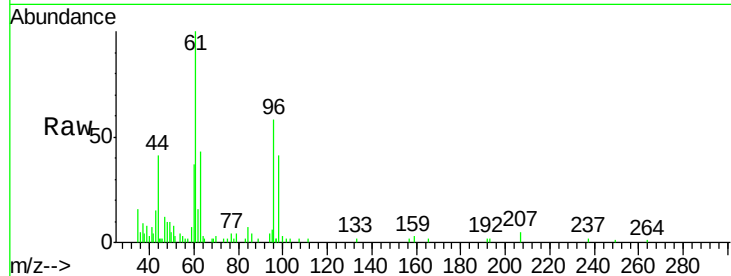
Tot Ion: 96 Resp: 9934

Ion Ratio Lower Upper

96 100

61 166.7 149.8 224.8

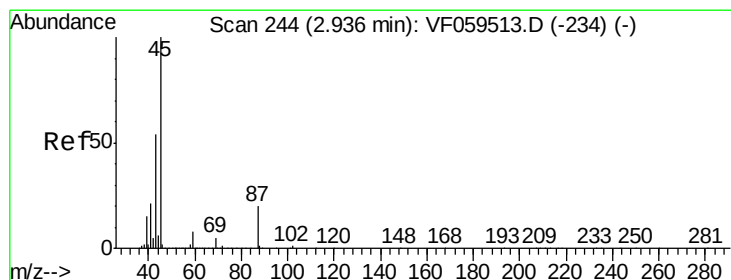
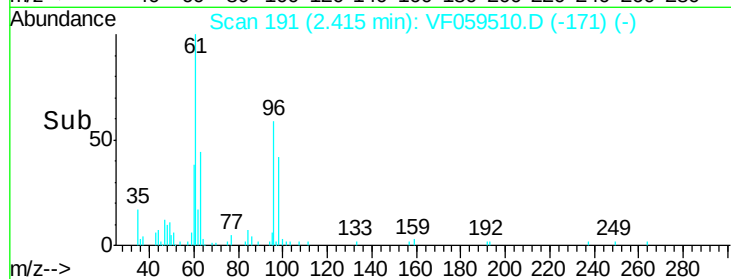
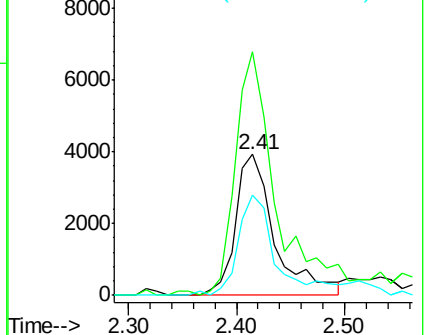
98 68.5 47.8 71.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 4.937 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Tgt Ion: 45 Resp: 37298

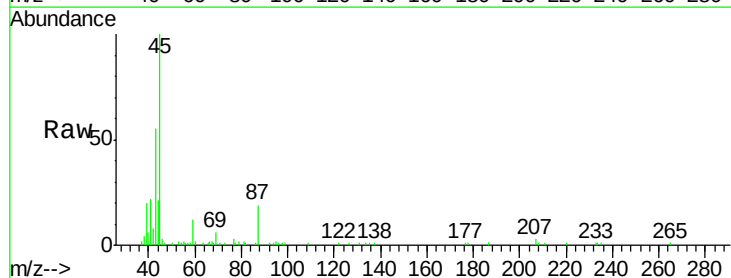
Ion Ratio Lower Upper

45 100

43 55.1 43.6 65.4

87 19.0 15.6 23.4

59 12.4 6.4 9.6#

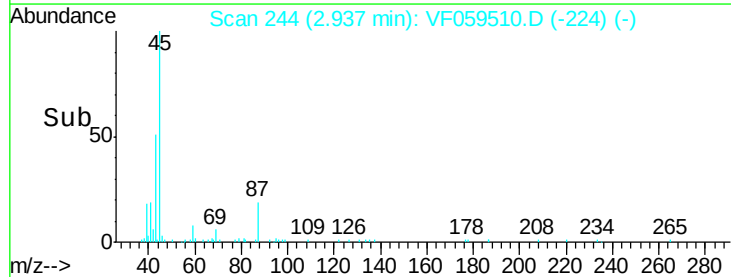
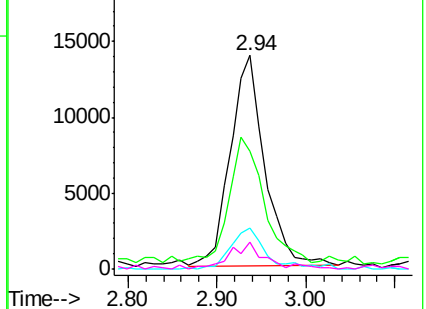


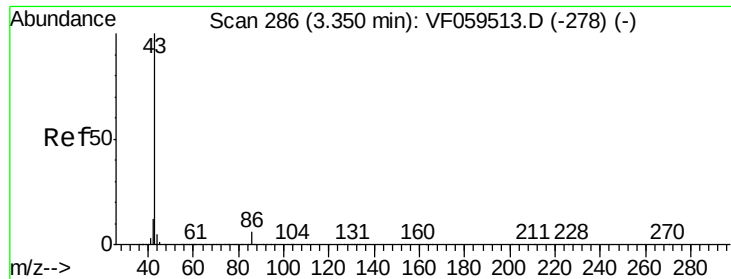
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 24.837 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

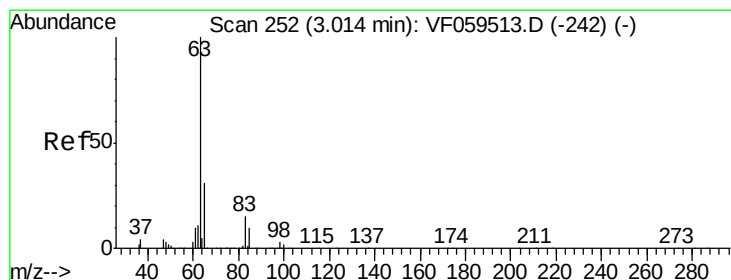
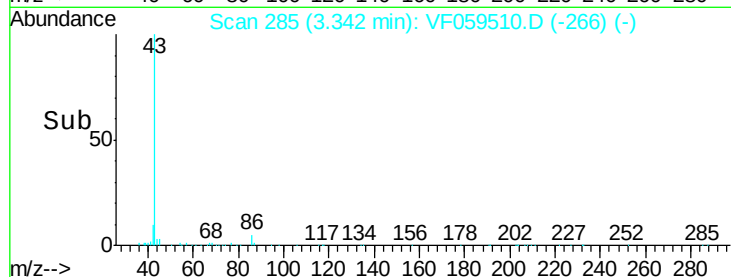
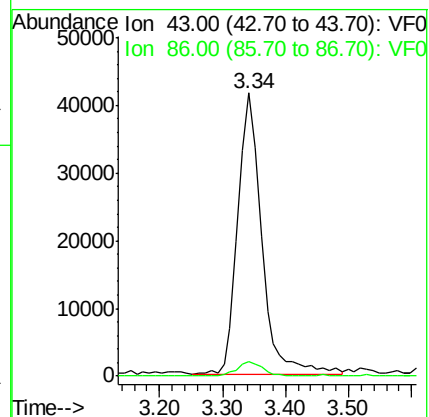
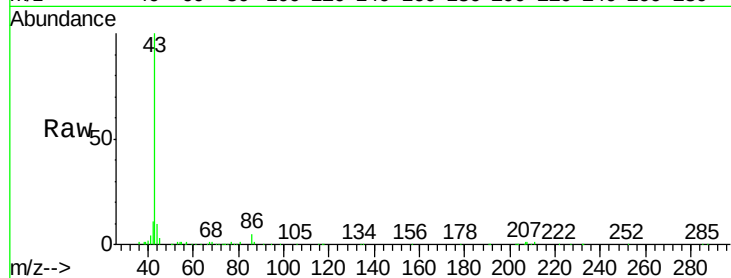
VSTDIC005

Tot Ion: 43 Resp: 109031

Ion Ratio Lower Upper

43 100

86 5.2 4.4 6.6



#24

1,1-Dichloroethane

Concen: 5.685 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

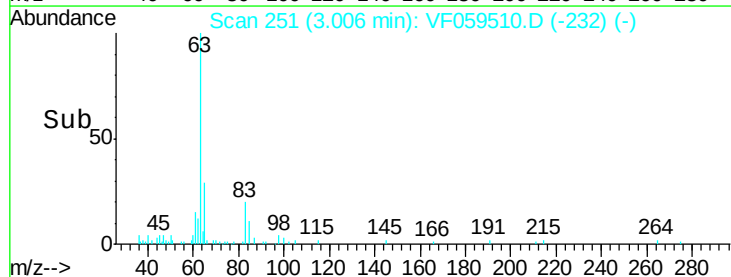
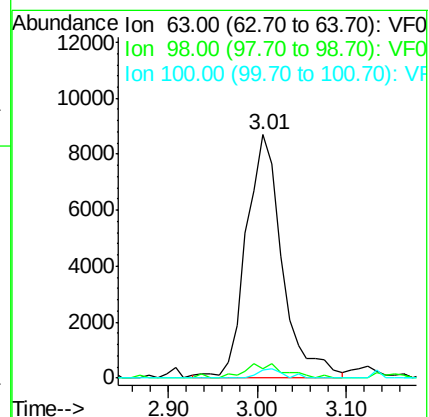
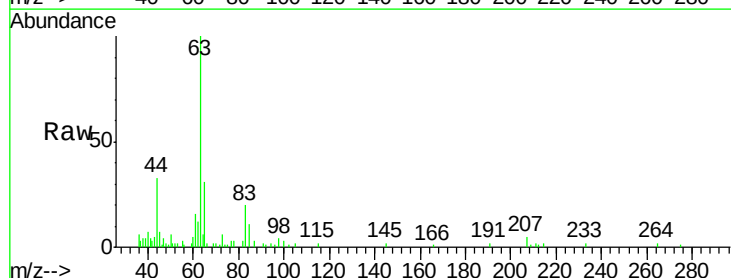
Tgt Ion: 63 Resp: 24379

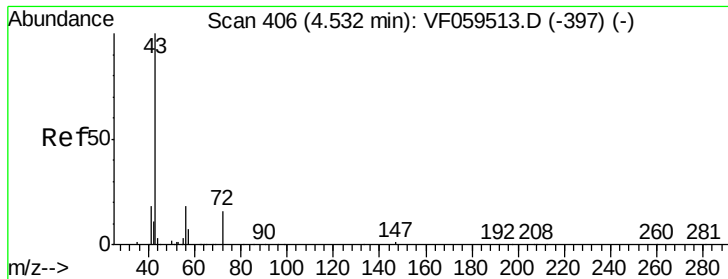
Ion Ratio Lower Upper

63 100

98 3.7 1.8 5.4

100 3.4 1.3 3.8





#25

2-Butanone

Concen: 27.952 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

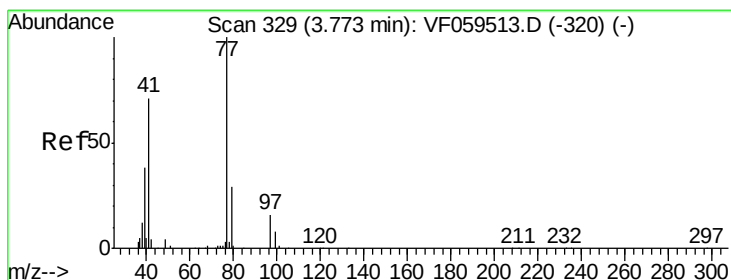
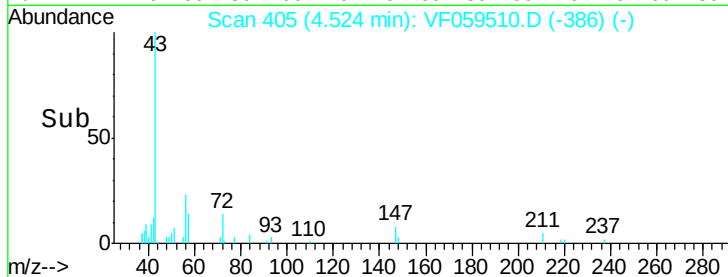
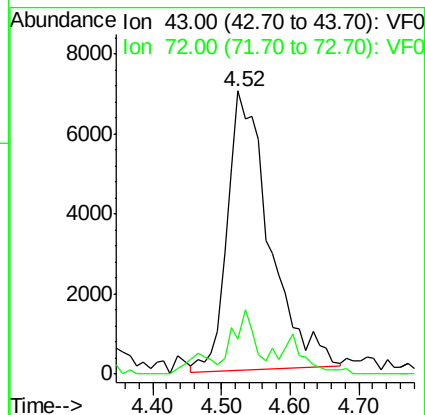
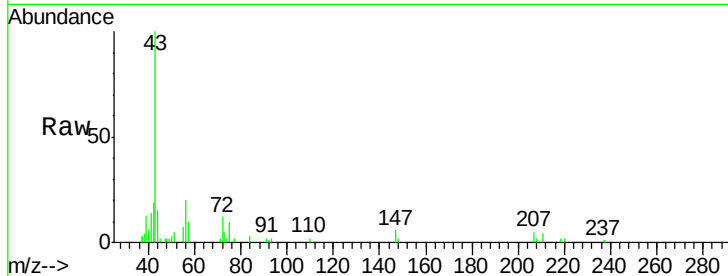
VSTDIC005

Tot Ion: 43 Resp: 29738

Ion Ratio Lower Upper

43 100

72 12.4 14.2 21.4#



#26

2,2-Dichloropropane

Concen: 6.476 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059510.D

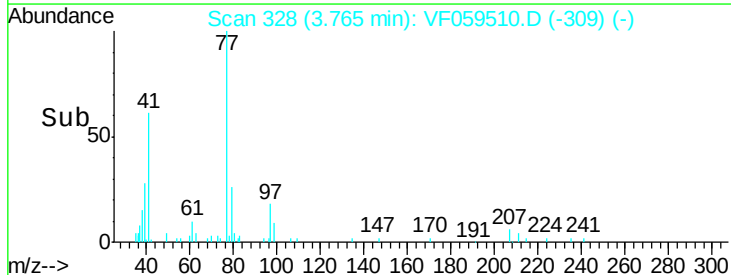
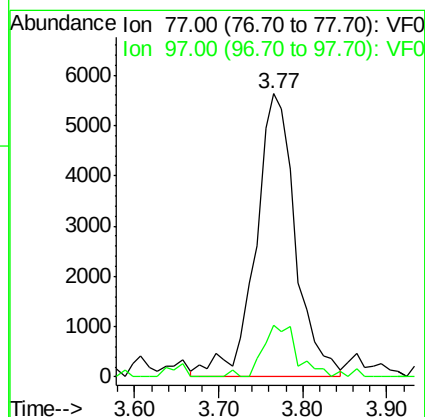
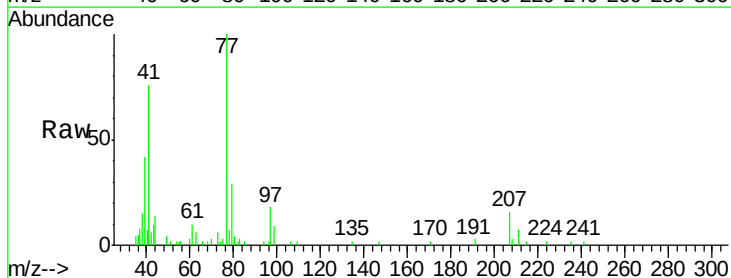
Acq: 17 Jul 2018 16:38

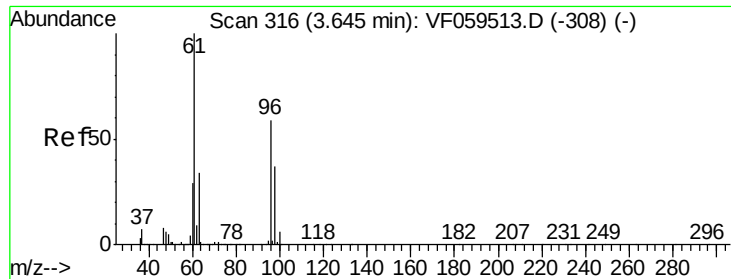
Tgt Ion: 77 Resp: 18639

Ion Ratio Lower Upper

77 100

97 18.4 8.1 24.3



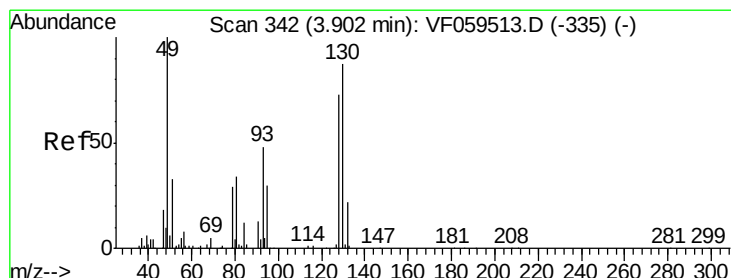
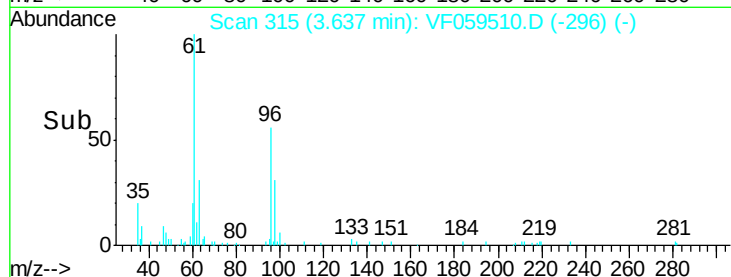
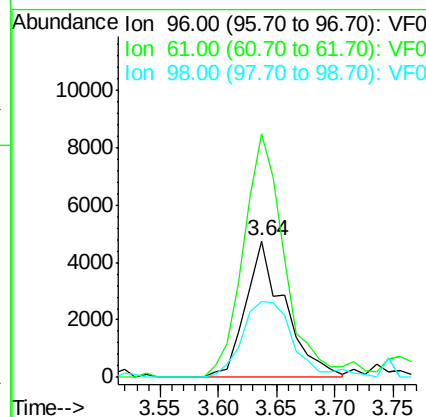
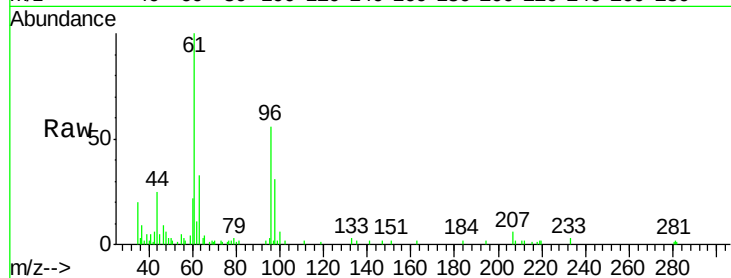


#27

cis-1,2-Dichloroethene
Concen: 4.419 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

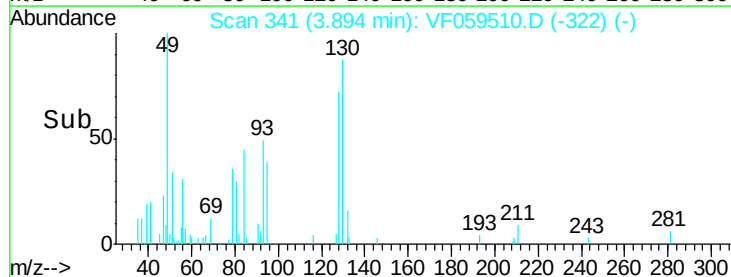
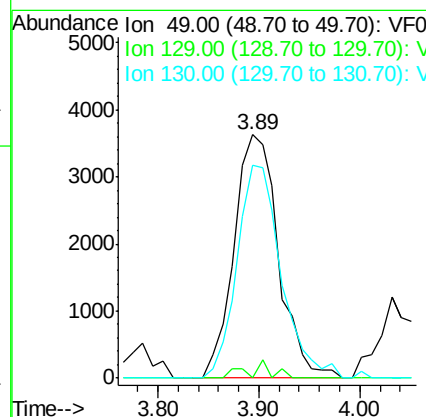
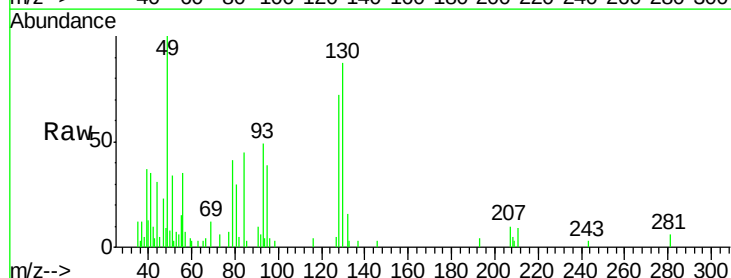
Tot Ion	Ratio	Lower	Upper
96	100		
61	178.7	0.0	339.0
98	59.4	0.0	125.4

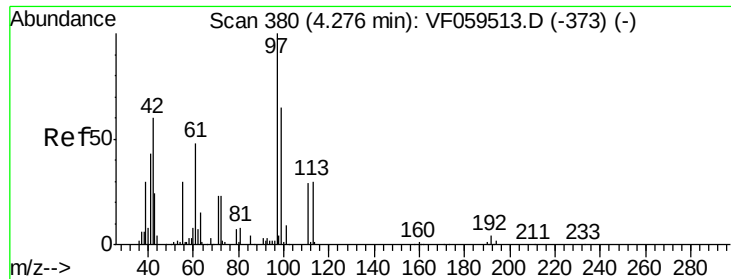


#28

Bromochloromethane
Concen: 5.594 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	87.4	69.8	104.6





#29

Tetrahydrofuran

Concen: 32.444 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

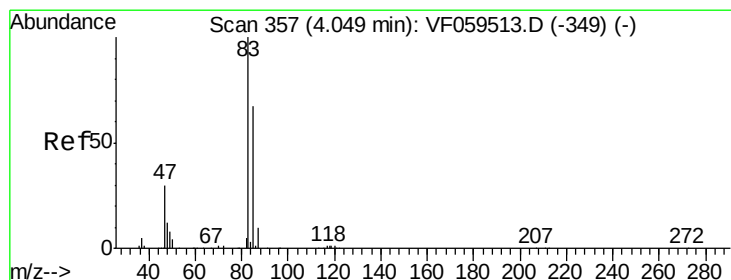
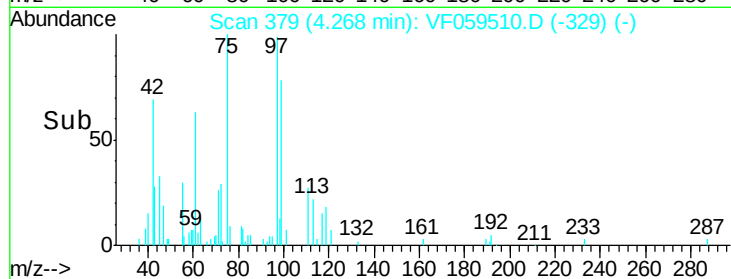
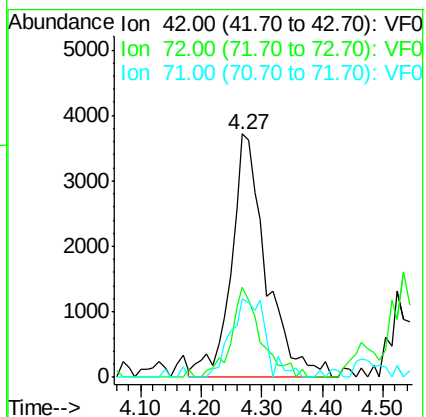
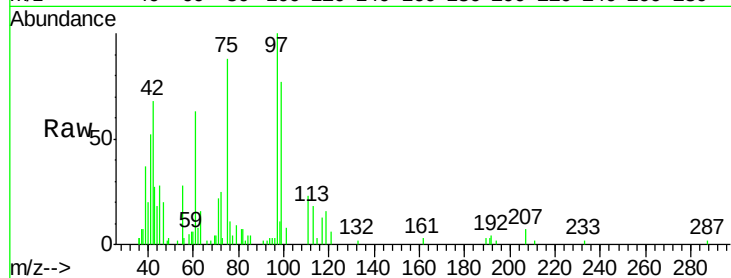
Tot Ion: 42 Resp: 14827

Ion Ratio Lower Upper

42 100

72 31.4 28.7 43.1

71 32.3 30.8 46.2



#30

Chloroform

Concen: 5.438 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF059510.D

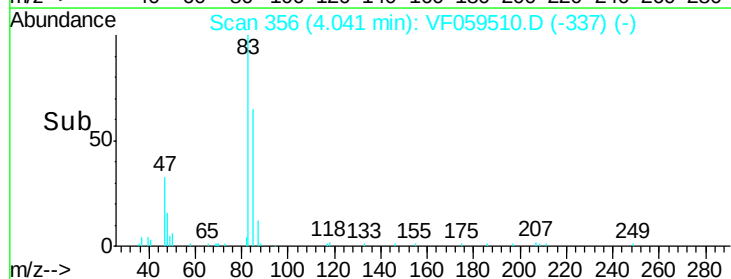
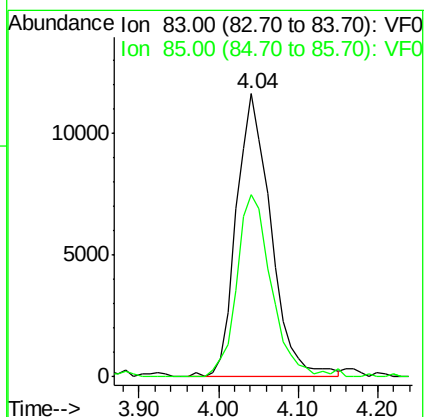
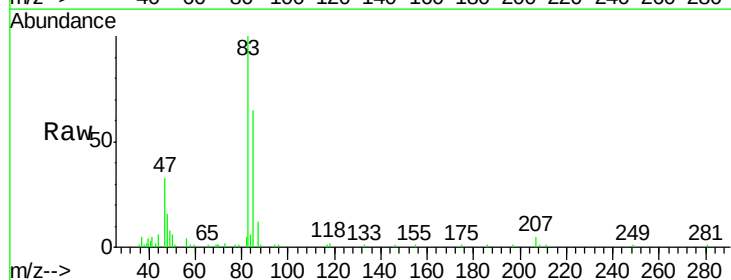
Acq: 17 Jul 2018 16:38

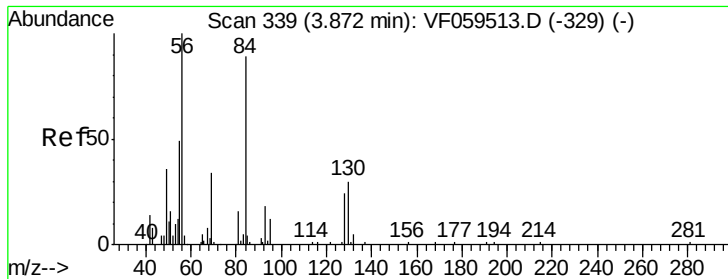
Tgt Ion: 83 Resp: 35025

Ion Ratio Lower Upper

83 100

85 64.6 53.2 79.8





#31

Cyclohexane

Concen: 4.390 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

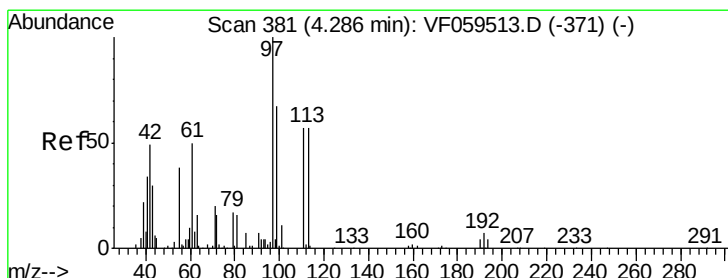
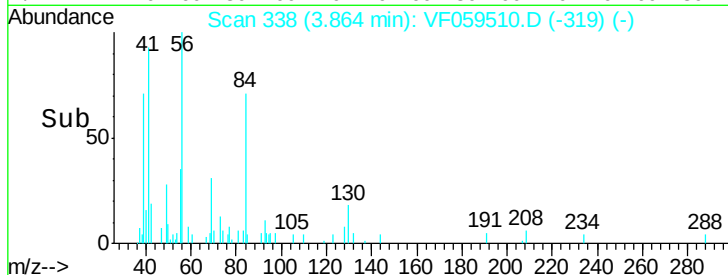
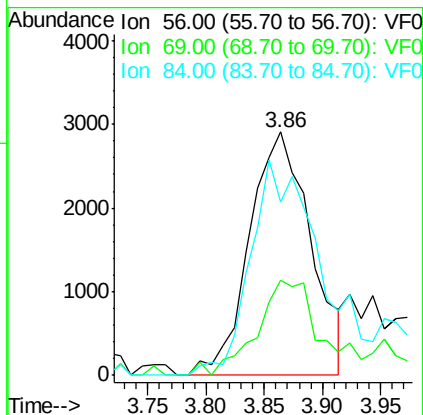
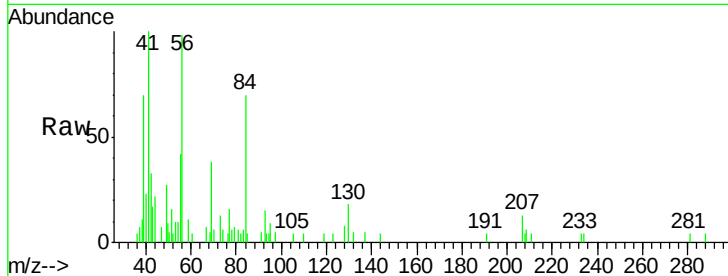
Tot Ion: 56 Resp: 10632

Ion Ratio Lower Upper

56 100

69 39.1 27.6 41.4

84 71.2 71.4 107.2#



#32

1,1,1-Trichloroethane

Concen: 4.888 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

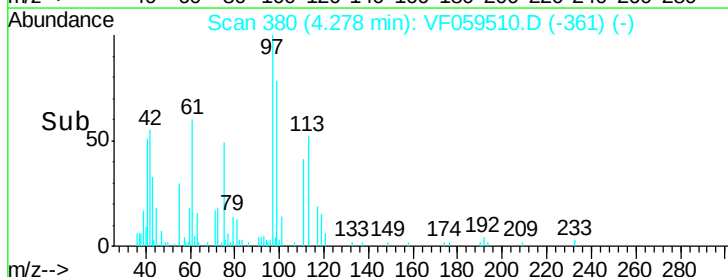
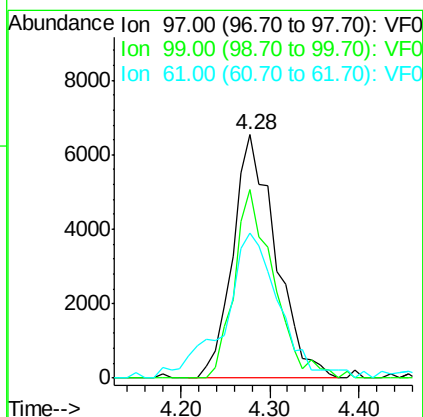
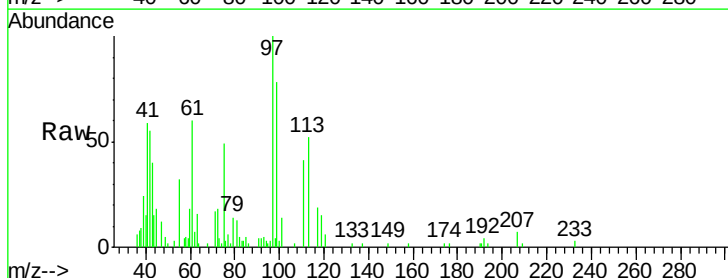
Tgt Ion: 97 Resp: 21841

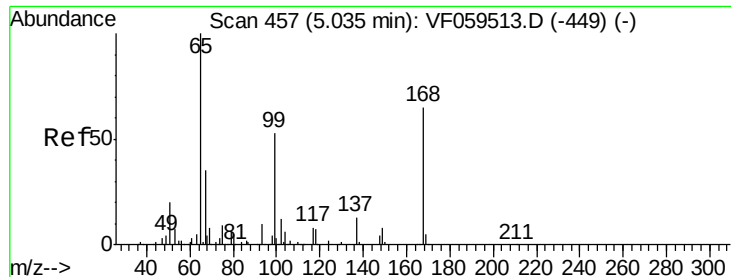
Ion Ratio Lower Upper

97 100

99 77.7 53.5 80.3

61 59.6 39.7 59.5#

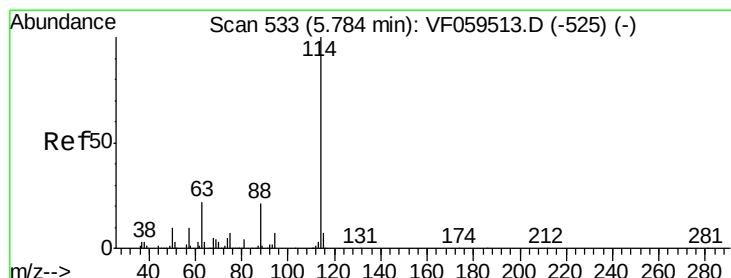
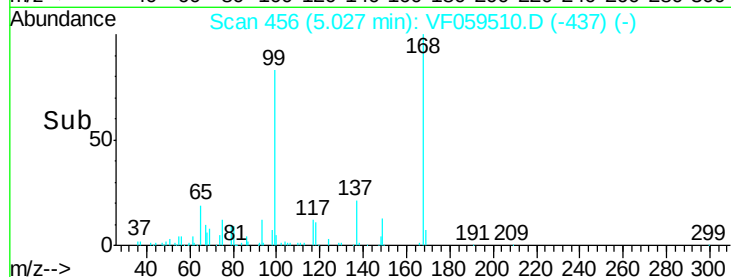
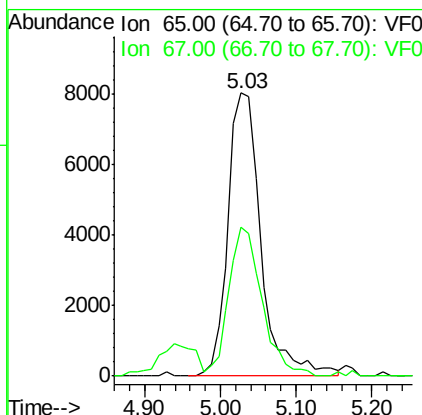
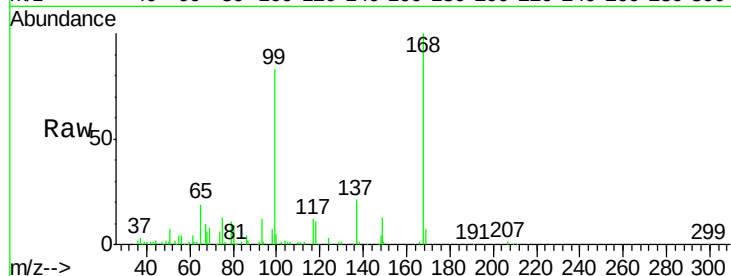




#33
 1,2-Dichloroethane-d4
 Concen: 5.624 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

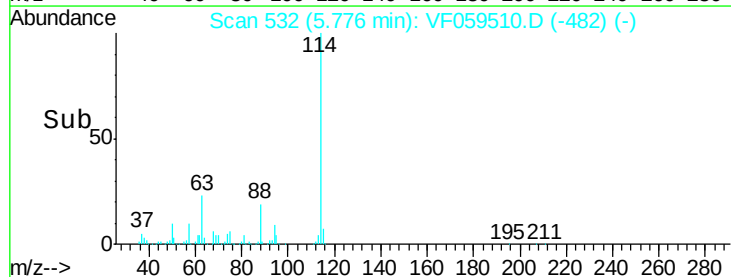
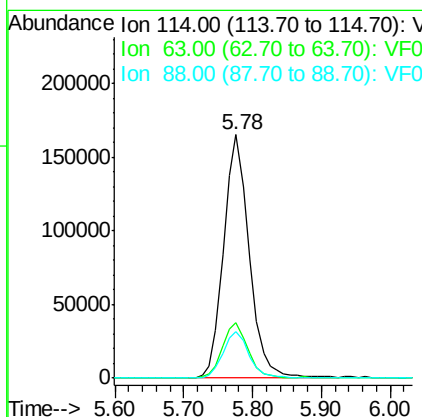
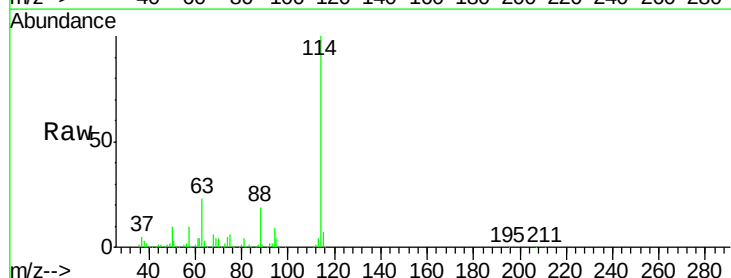
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

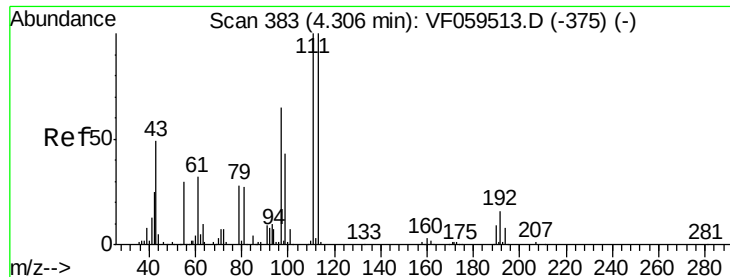
Tot Ion: 65 Resp: 24237
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 91.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion: 114 Resp: 426945
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.8
 88 18.9 0.0 42.6





#35

Dibromofluoromethane

Concen: 5.236 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

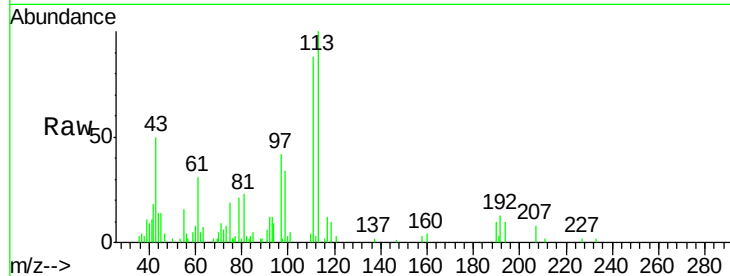
Tot Ion:113 Resp: 19415

Ion Ratio Lower Upper

113 100

111 90.1 80.3 120.5

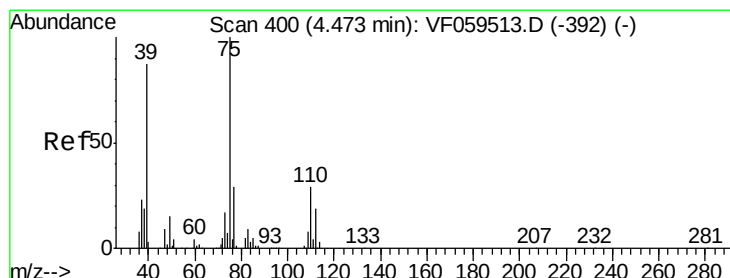
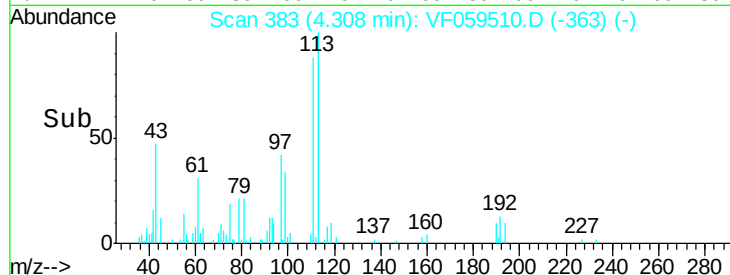
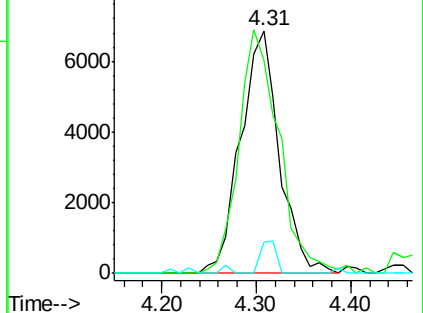
192 13.0 13.1 19.7#



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: 5.127 ug/l

RT: 4.47 min Scan# 399

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

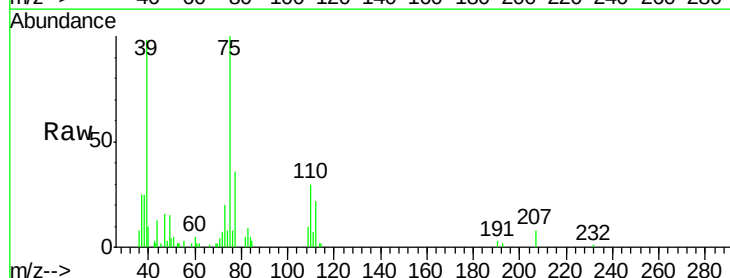
Tgt Ion: 75 Resp: 22290

Ion Ratio Lower Upper

75 100

110 30.1 14.6 43.8

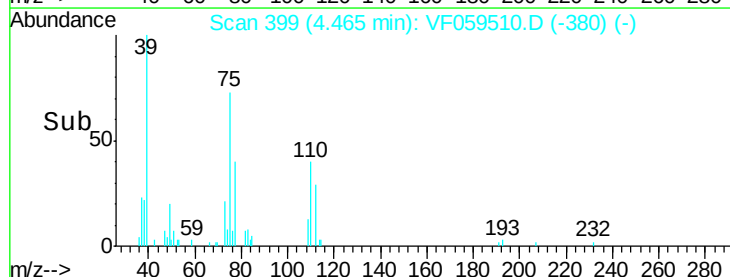
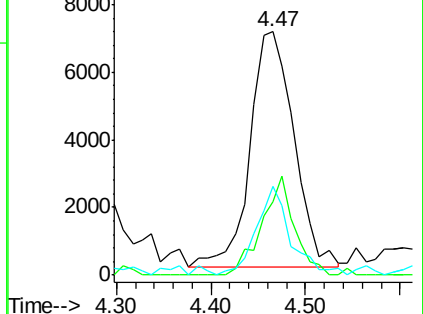
77 36.3 23.7 35.5#

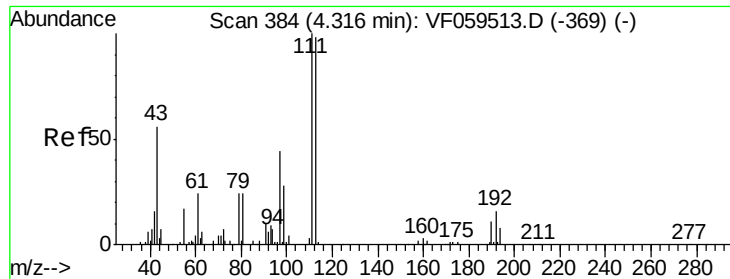


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

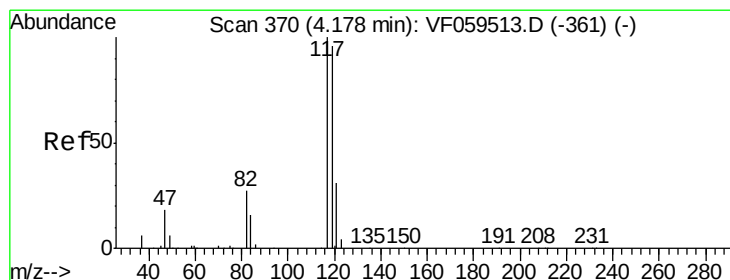
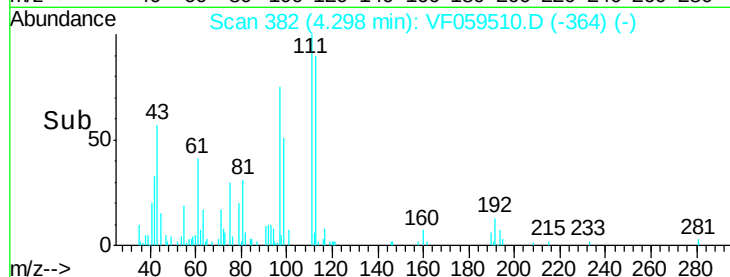
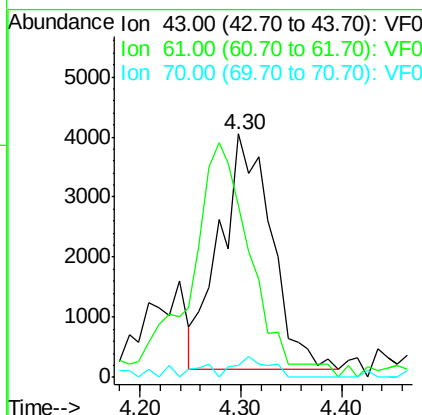
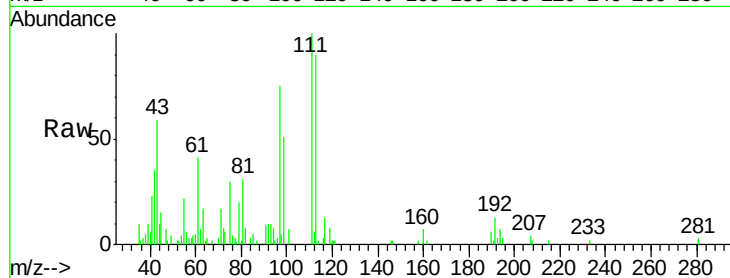




#37
Ethyl Acetate
Concen: 5.210 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

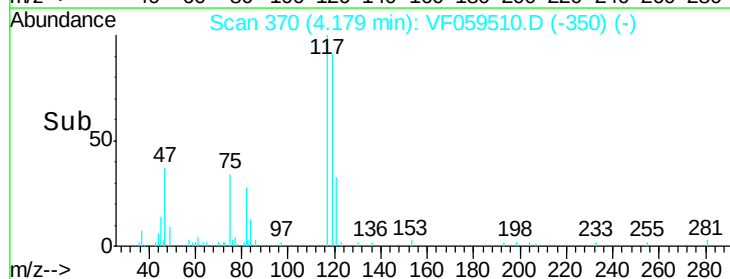
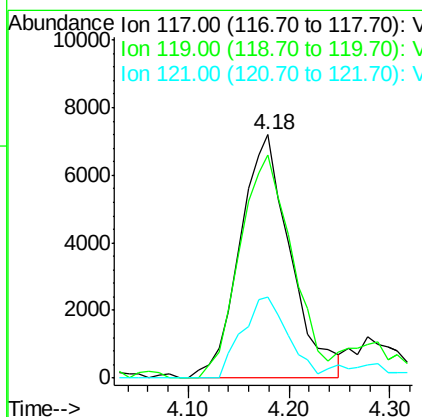
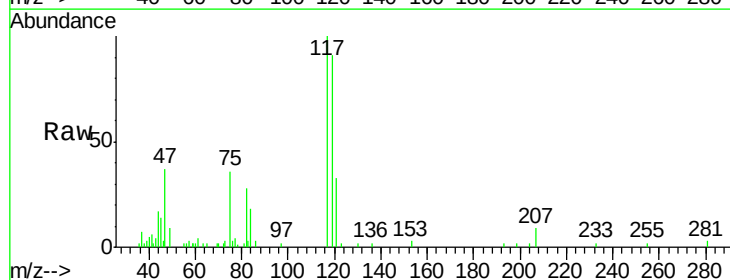
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

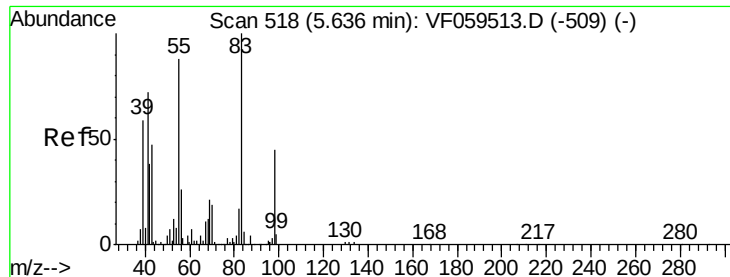
Tot Ion: 43 Resp: 13865
Ion Ratio Lower Upper
43 100
61 70.4 33.7 50.5#
70 5.0 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 4.964 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion: 117 Resp: 25025
Ion Ratio Lower Upper
117 100
119 91.5 77.6 116.4
121 33.3 24.9 37.3

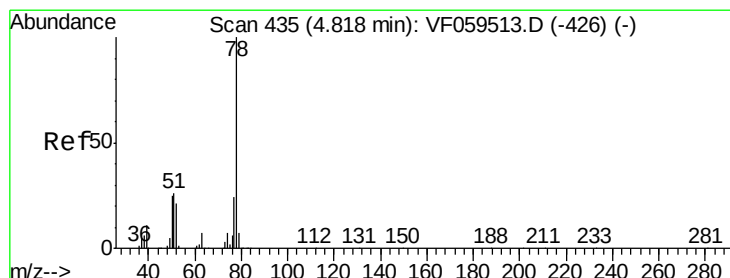
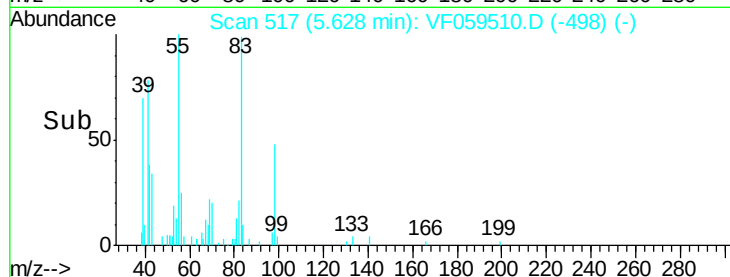
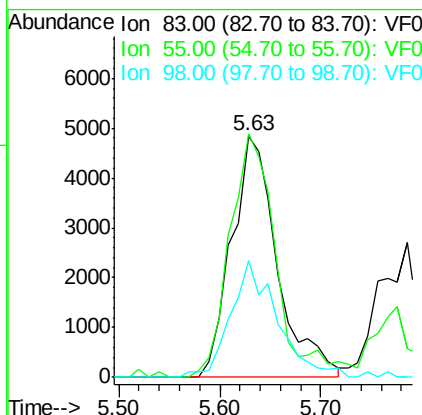
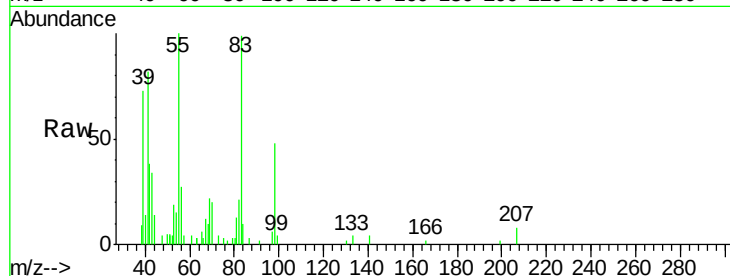




#39
Methylvlcyclohexane
Concen: 4.693 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

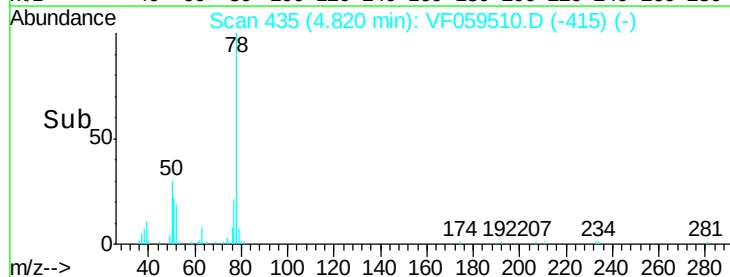
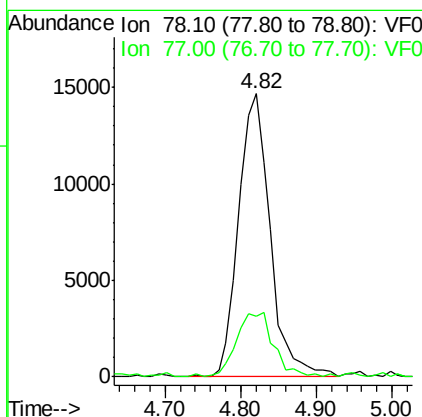
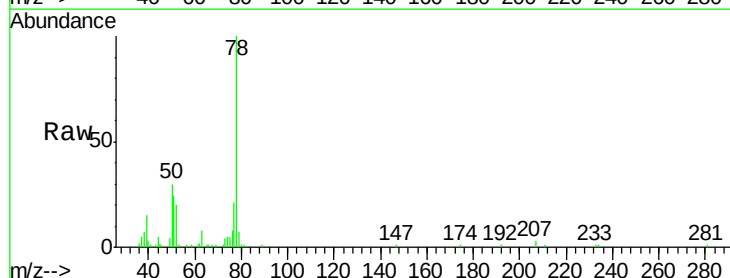
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

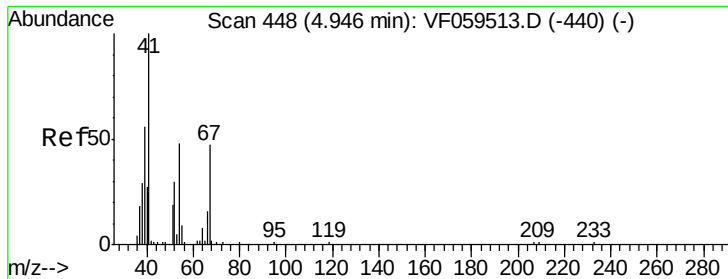
Tot Ion	Ratio	Lower	Upper
83	100		
55	100.8	70.2	105.4
98	48.2	36.2	54.2



#40
Benzene
Concen: 5.038 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	19.4	29.0





#41

Methacrylonitrile

Concen: 5.448 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 6990

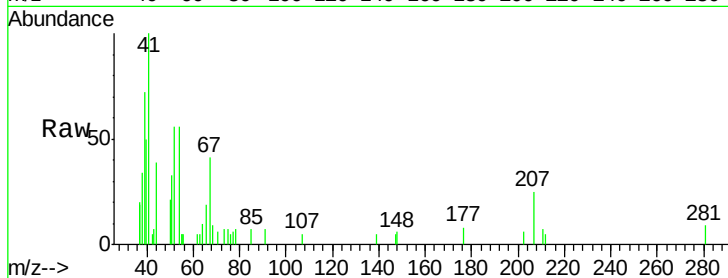
Ion Ratio Lower Upper

41 100

39 71.9 49.4 74.0

67 41.1 37.4 56.2

52 56.1 32.1 48.1#

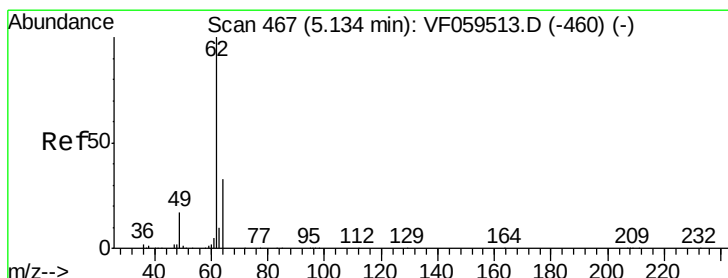
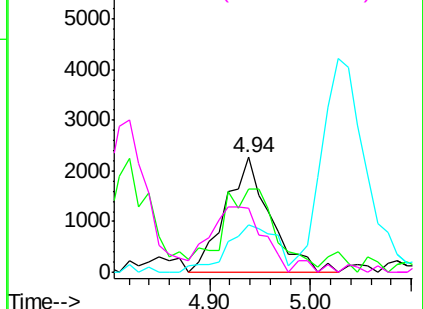
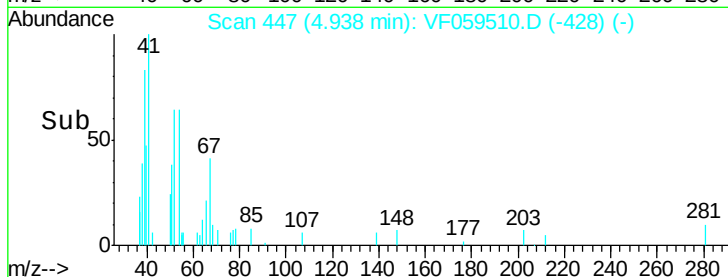


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 4.968 ug/l

RT: 5.13 min Scan# 466

Delta R.T. -0.01 min

Lab File: VF059510.D

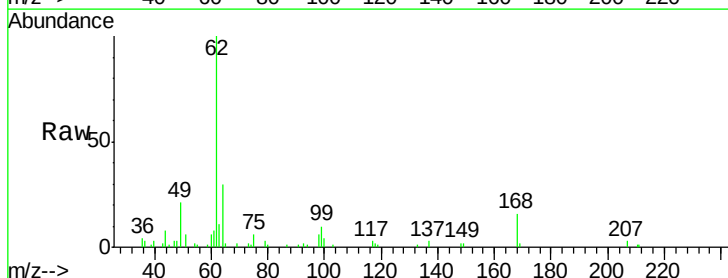
Acq: 17 Jul 2018 16:38

Tgt Ion: 62 Resp: 26870

Ion Ratio Lower Upper

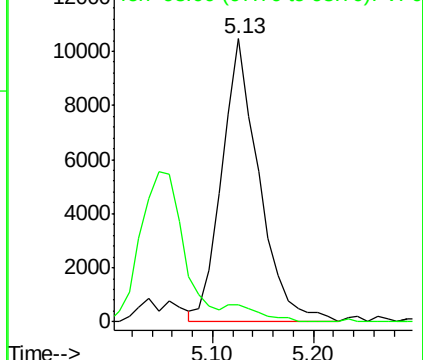
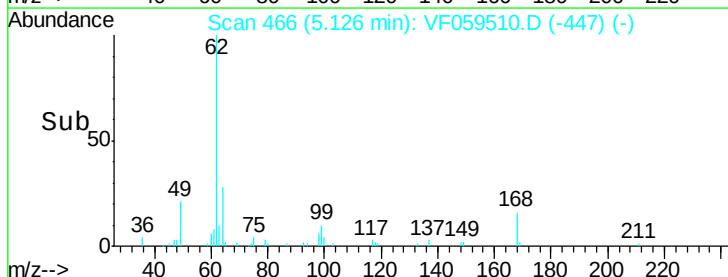
62 100

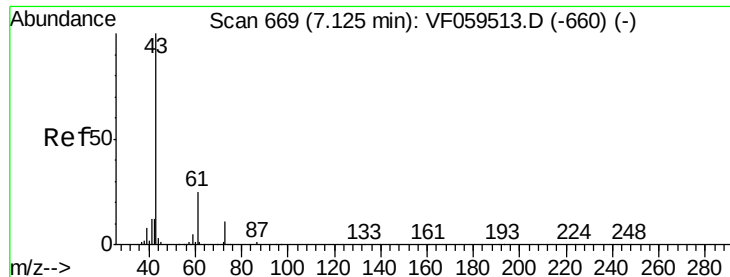
98 6.3 0.0 9.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 4.969 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

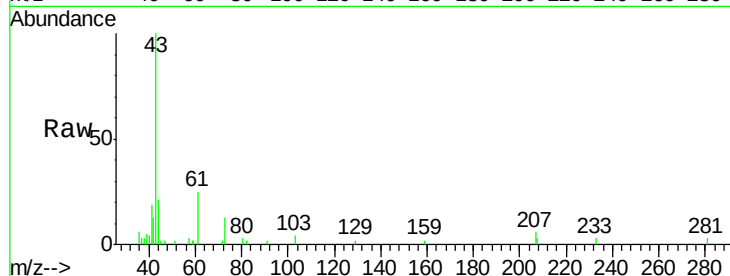
Tot Ion: 43 Resp: 15835

Ion Ratio Lower Upper

43 100

61 25.1 20.3 30.5

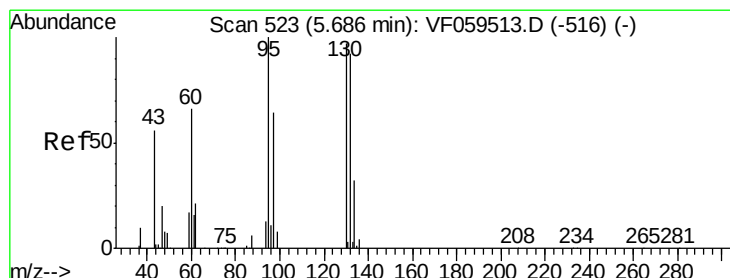
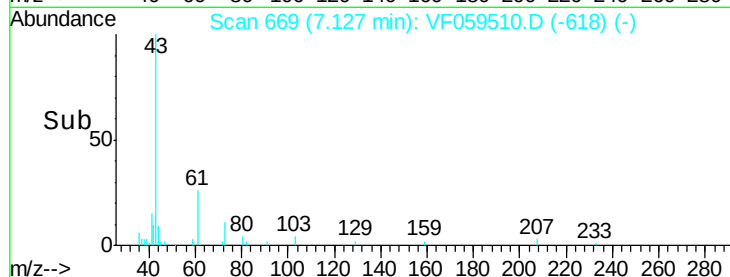
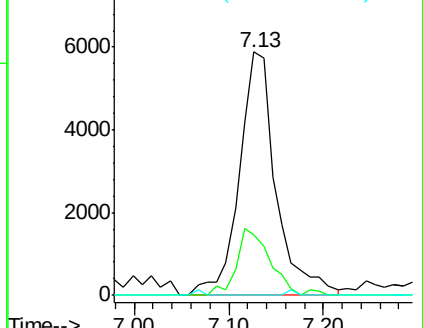
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 5.285 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.01 min

Lab File: VF059510.D

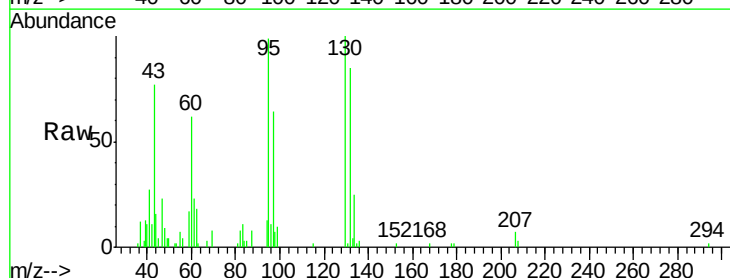
Acq: 17 Jul 2018 16:38

Tgt Ion:130 Resp: 16096

Ion Ratio Lower Upper

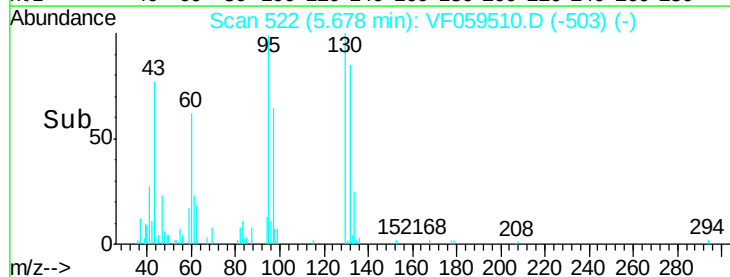
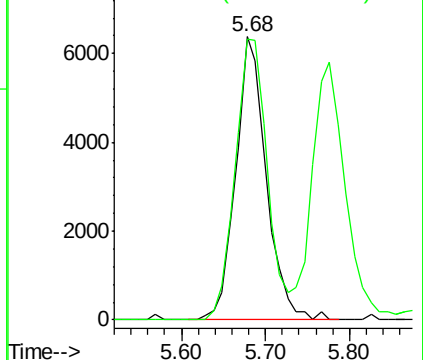
130 100

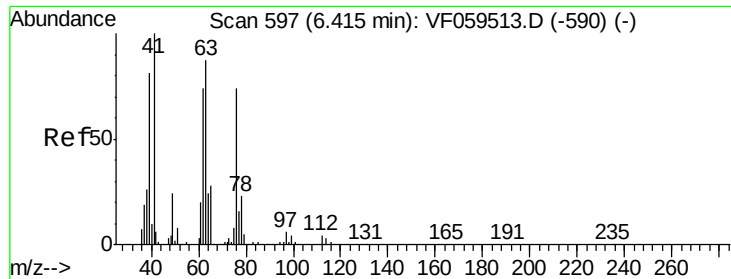
95 99.4 0.0 206.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

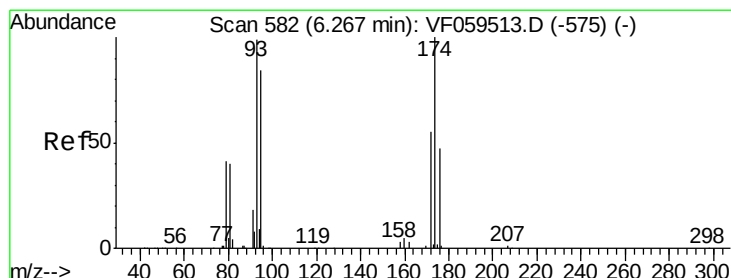
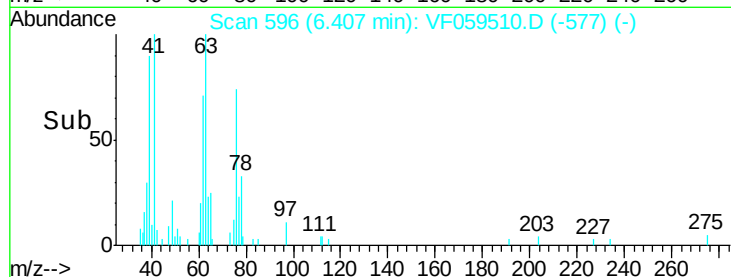
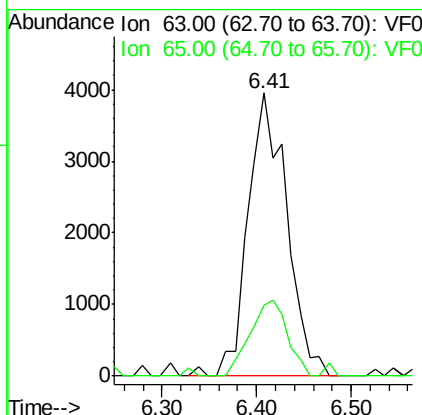
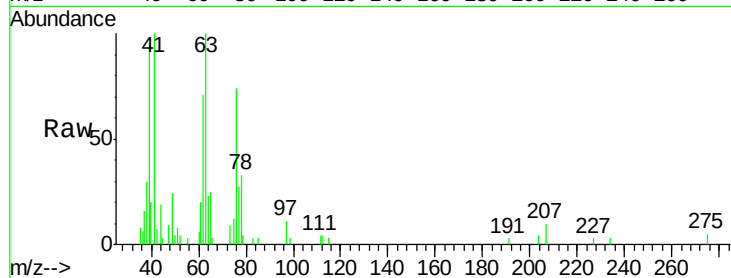




#45
 1,2-Dichloropropane
 Concen: 4.690 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

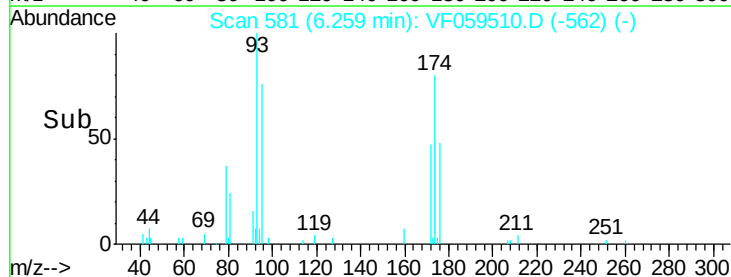
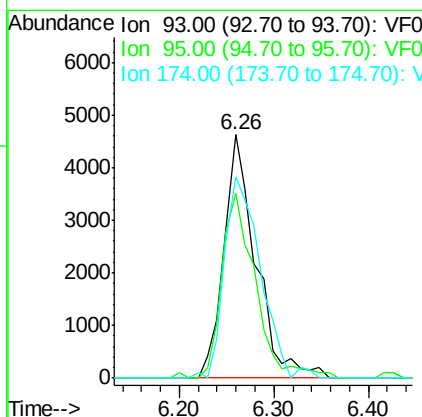
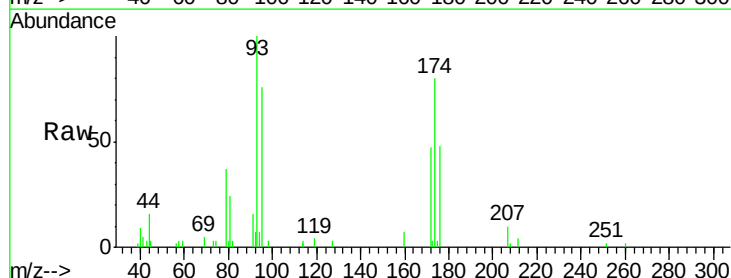
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

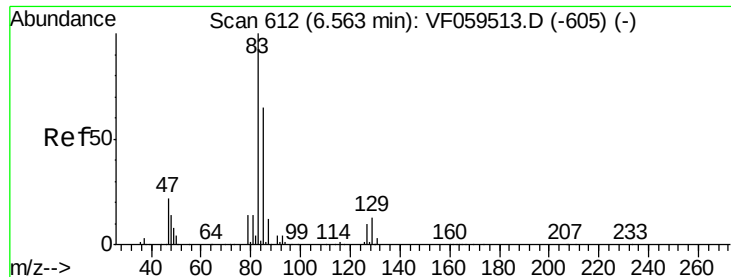
Tot Ion: 63 Resp: 11237
 Ion Ratio Lower Upper
 63 100
 65 27.8 26.1 39.1



#46
 Dibromomethane
 Concen: 5.060 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion: 93 Resp: 10830
 Ion Ratio Lower Upper
 93 100
 95 76.1 68.3 102.5
 174 82.9 81.2 121.8





#47

Bromodichloromethane

Concen: 4.729 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

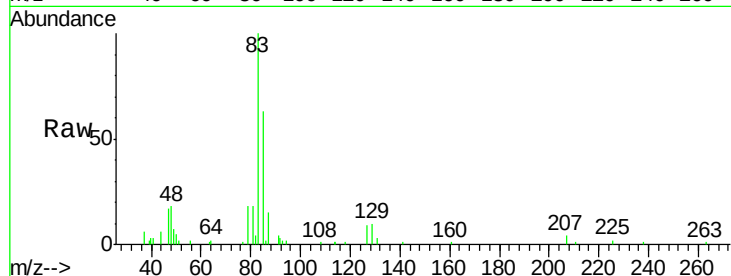
Tot Ion: 83 Resp: 25863

Ion Ratio Lower Upper

83 100

85 63.3 52.4 78.6

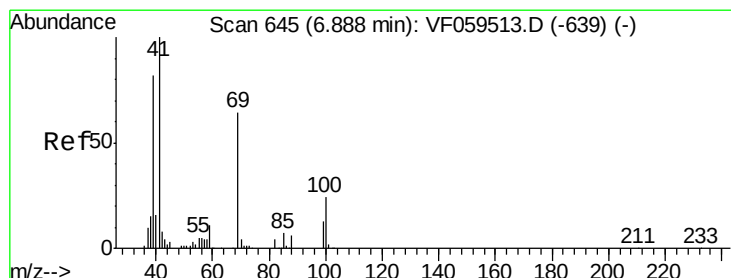
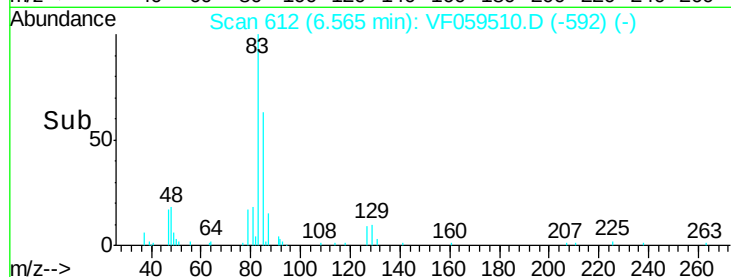
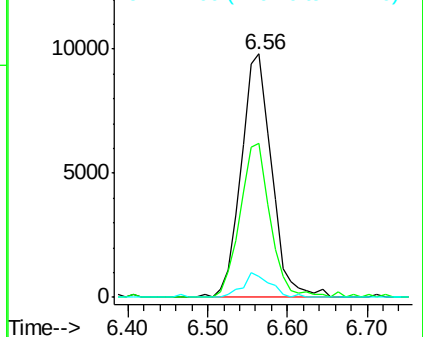
127 8.7 8.2 12.4



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: 5.084 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

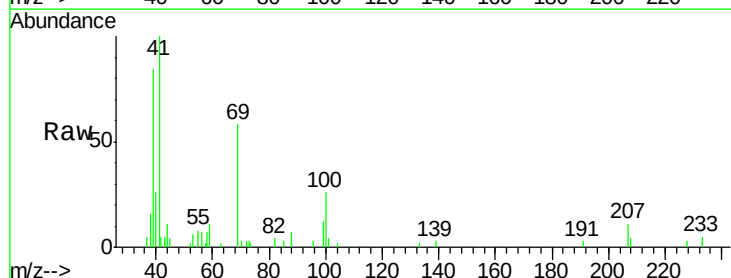
Tgt Ion: 41 Resp: 11676

Ion Ratio Lower Upper

41 100

69 58.5 51.3 76.9

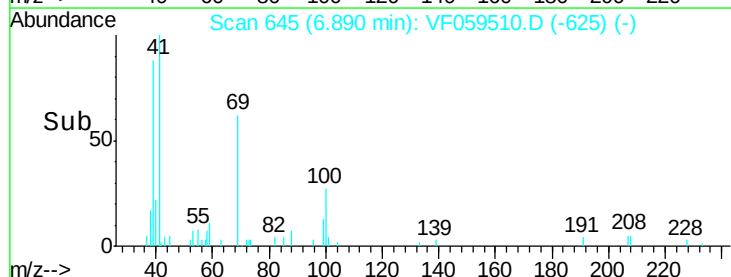
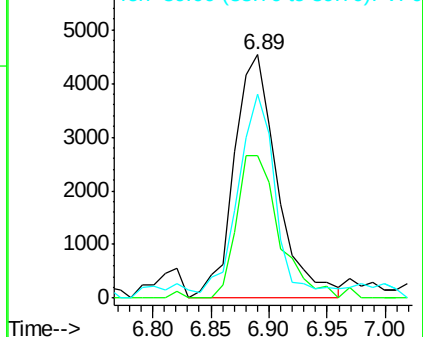
39 83.8 65.3 97.9

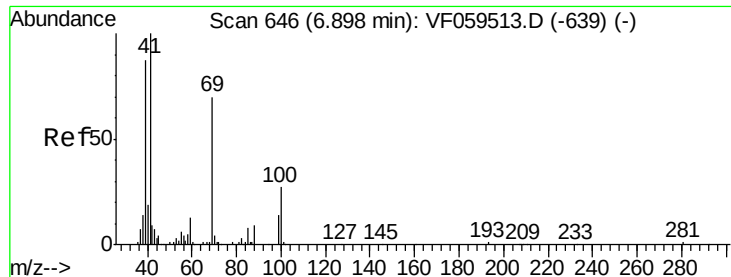


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 67.864 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

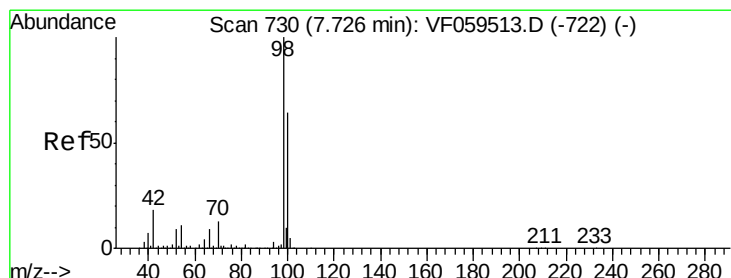
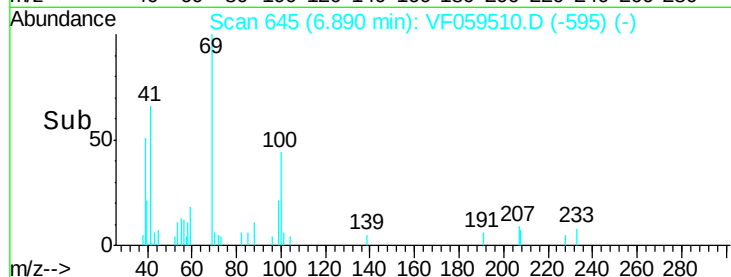
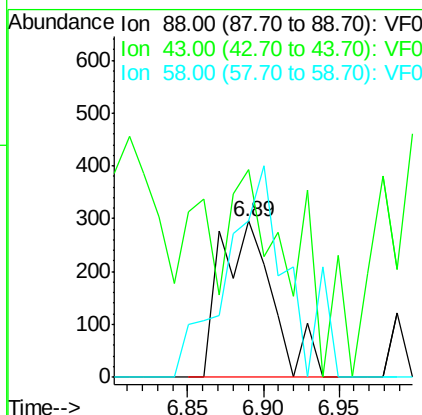
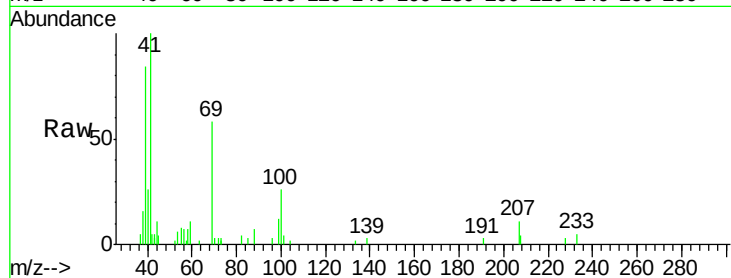
Tot Ion: 88 Resp: 705

Ion Ratio Lower Upper

88 100

43 132.8 64.8 97.2#

58 100.3 44.1 66.1#



#50

Toluene-d8

Concen: 5.460 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.01 min

Lab File: VF059510.D

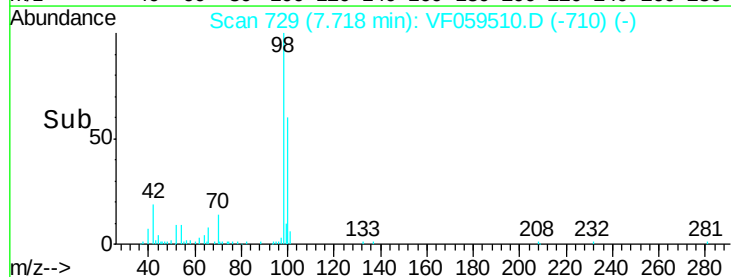
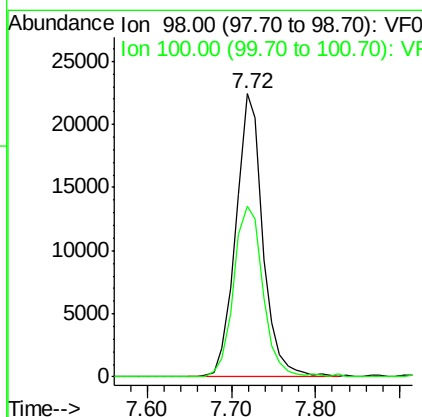
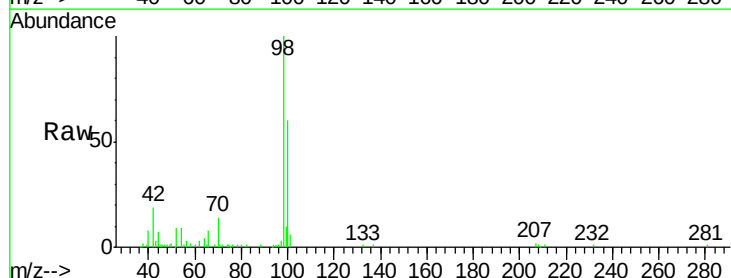
Acq: 17 Jul 2018 16:38

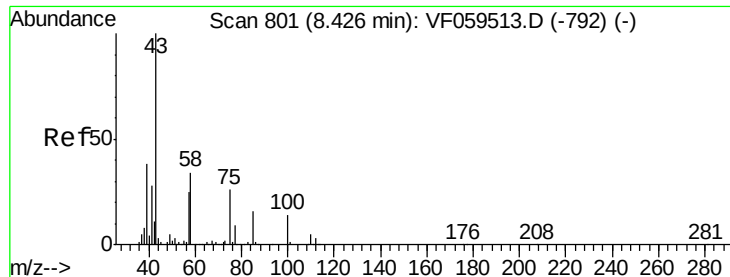
Tgt Ion: 98 Resp: 50076

Ion Ratio Lower Upper

98 100

100 60.4 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 26.409 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

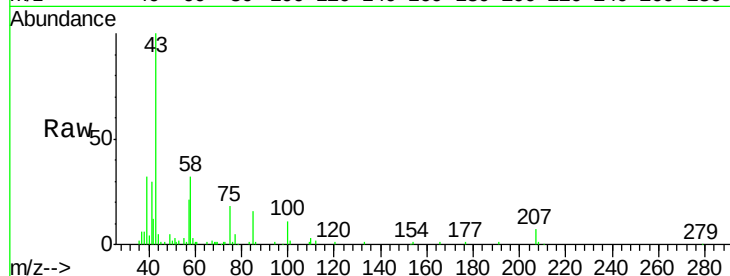
VSTDIC005

Tot Ion: 43 Resp: 59044

Ion Ratio Lower Upper

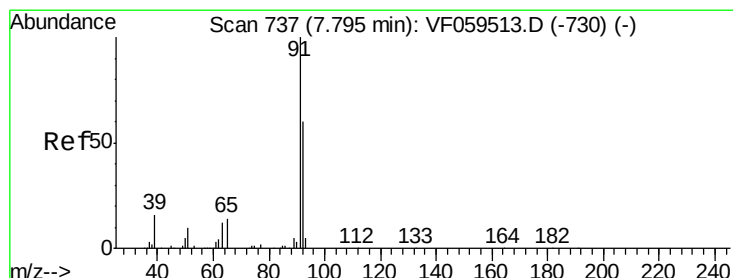
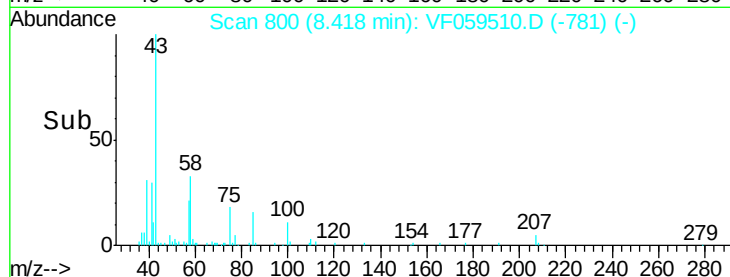
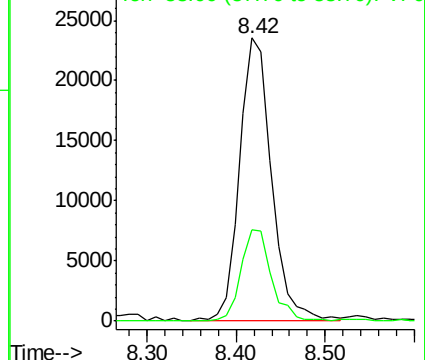
43 100

58 32.4 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: 5.166 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF059510.D

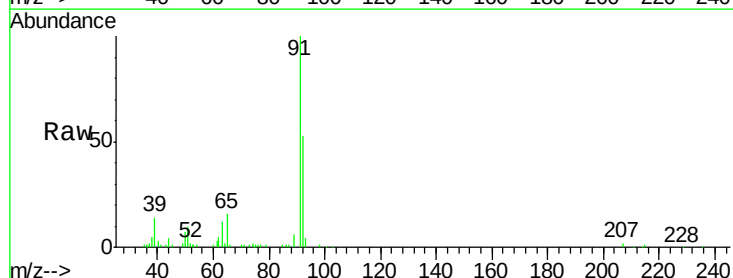
Acq: 17 Jul 2018 16:38

Tgt Ion: 92 Resp: 31381

Ion Ratio Lower Upper

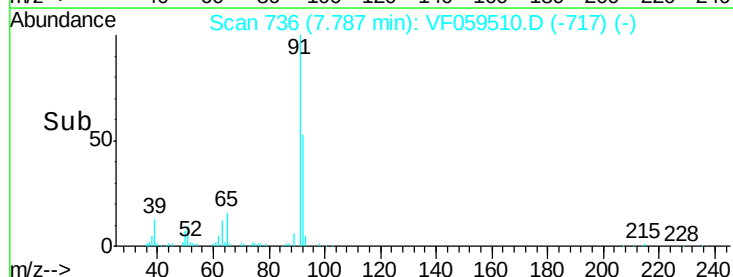
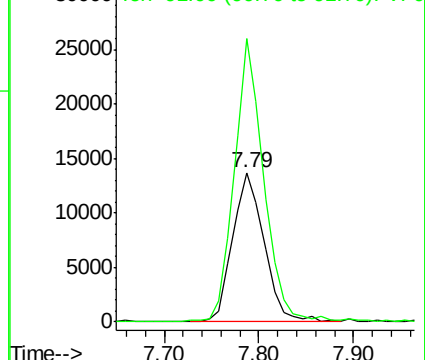
92 100

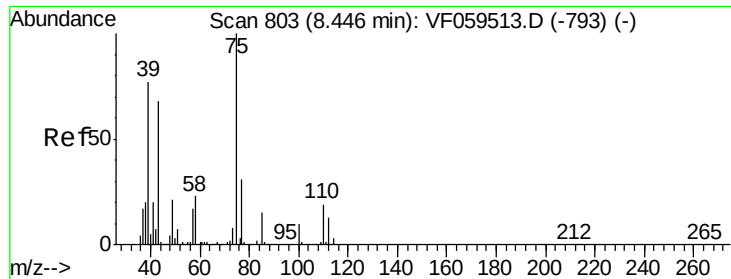
91 189.5 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

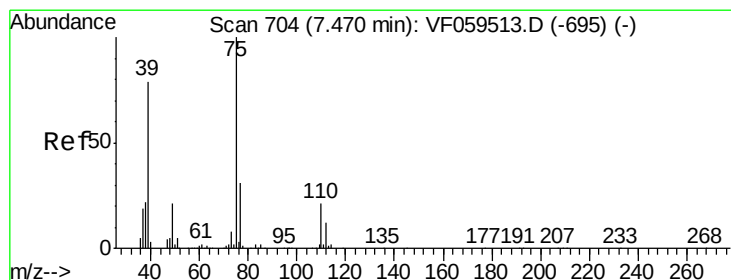
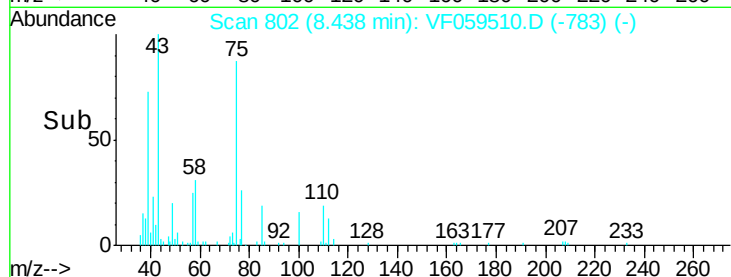
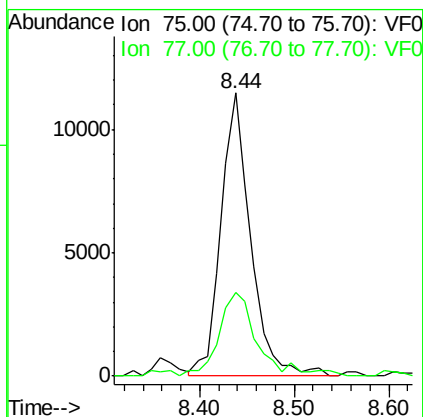
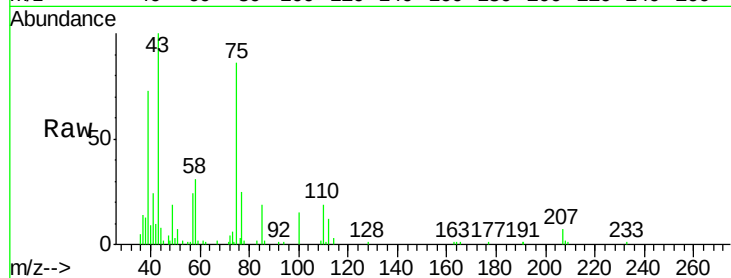




#53
 t-1,3-Dichloropropene
 Concen: 5.158 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

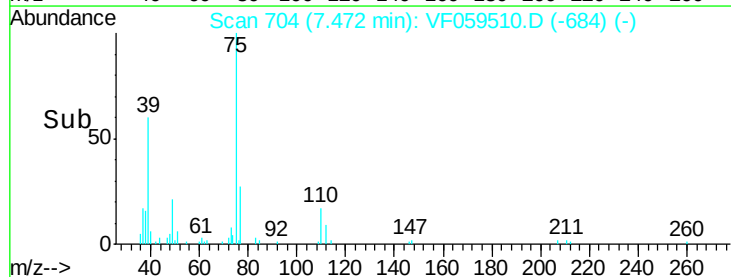
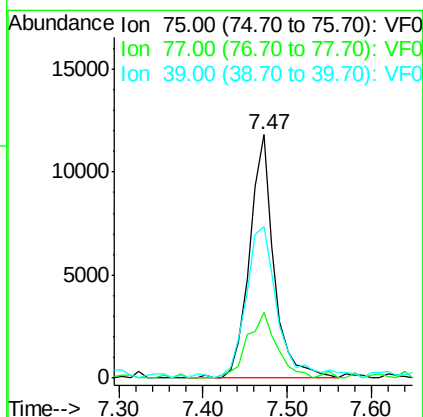
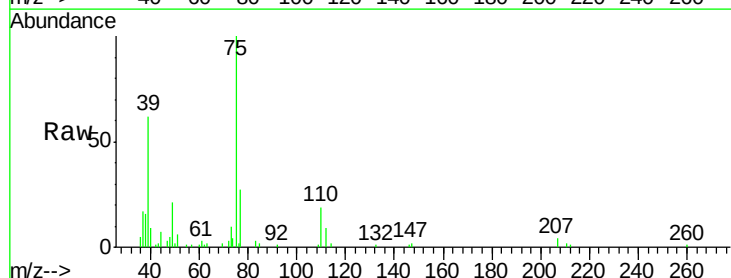
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

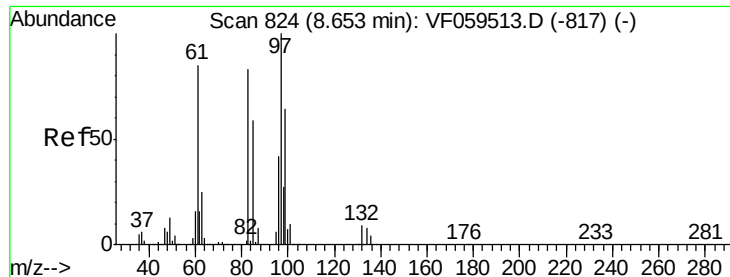
Tot Ion: 75 Resp: 24935
 Ion Ratio Lower Upper
 75 100
 77 29.4 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 4.777 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion: 75 Resp: 23958
 Ion Ratio Lower Upper
 75 100
 77 26.8 25.0 37.6
 39 62.3 63.8 95.6#





#55

1,1,2-Trichloroethane

Concen: 4.570 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 11058

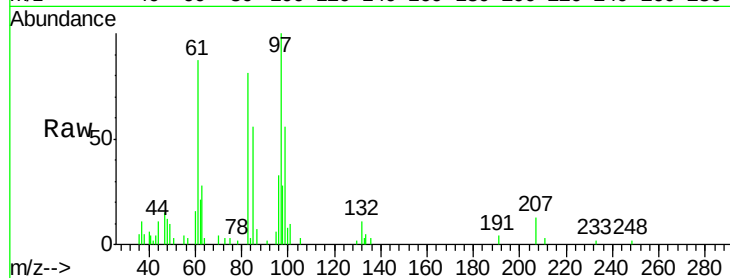
Ion Ratio Lower Upper

97 100

83 81.3 66.9 100.3

85 56.4 46.9 70.3

99 56.3 51.5 77.3

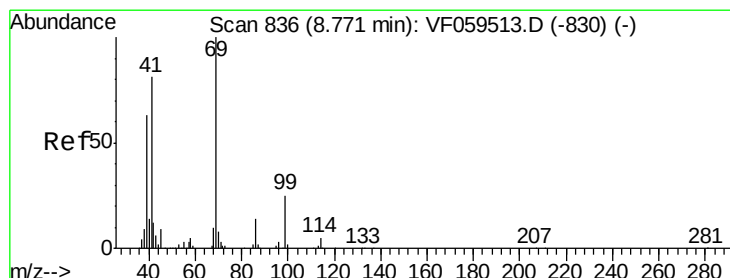
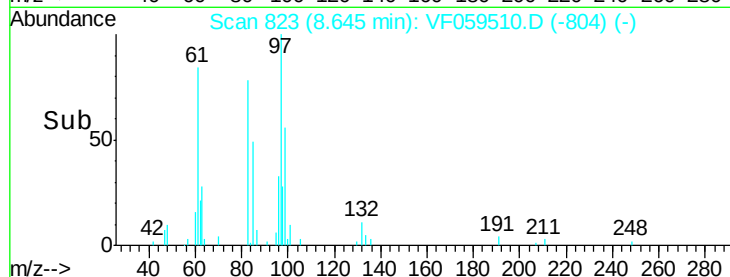
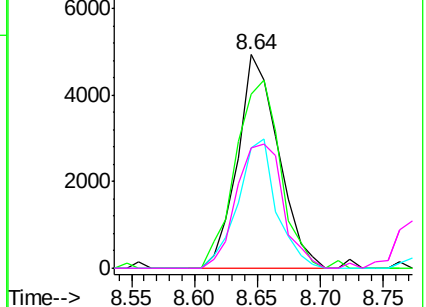


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 4.602 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

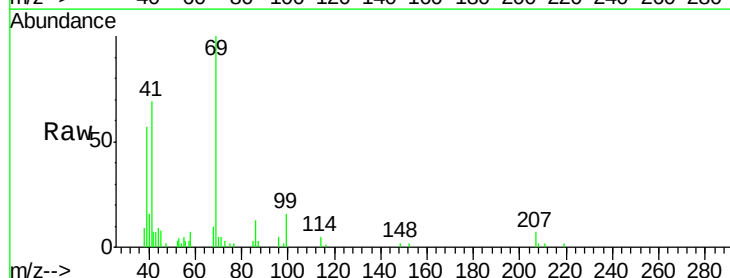
Tgt Ion: 69 Resp: 14025

Ion Ratio Lower Upper

69 100

41 68.8 65.4 98.2

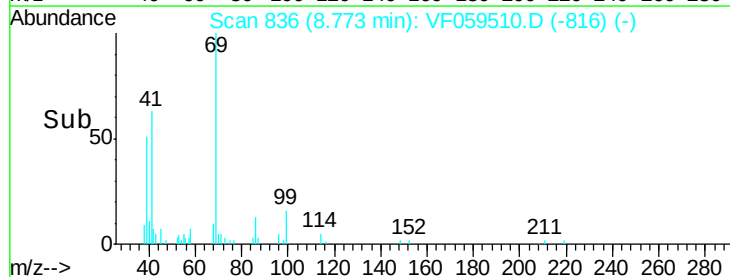
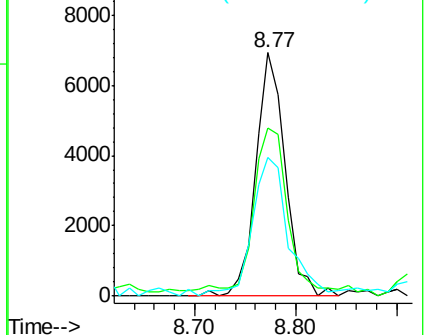
39 56.8 51.0 76.4

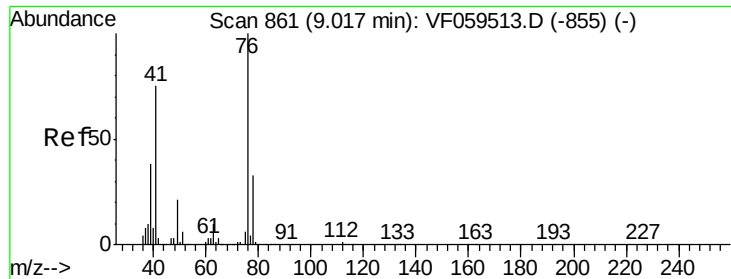


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 4.978 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

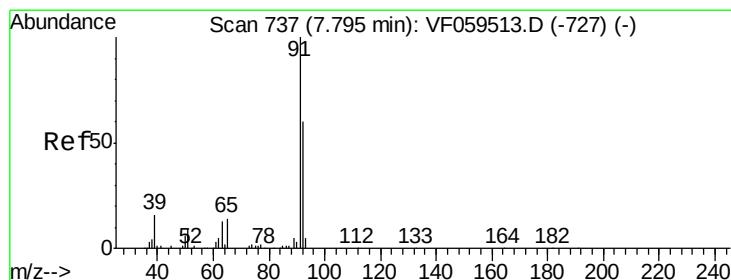
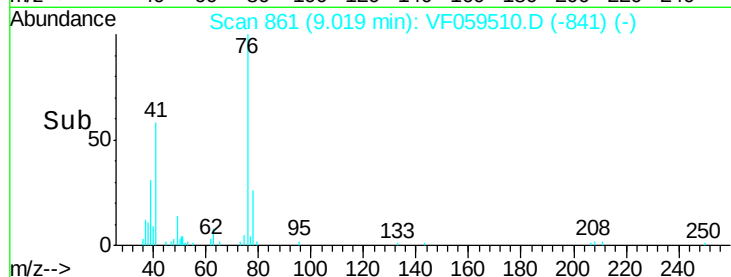
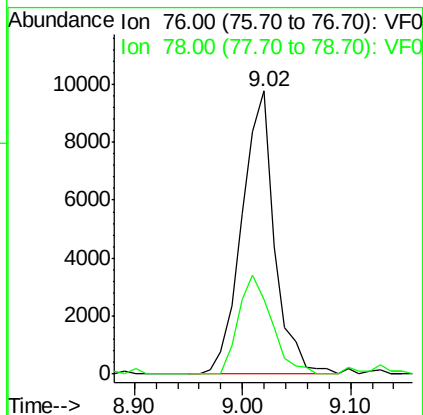
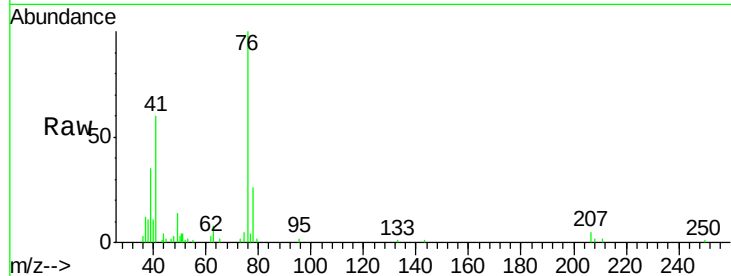
VSTDIC005

Tot Ion: 76 Resp: 20493

Ion Ratio Lower Upper

76 100

78 26.5 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 27.732 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF059510.D

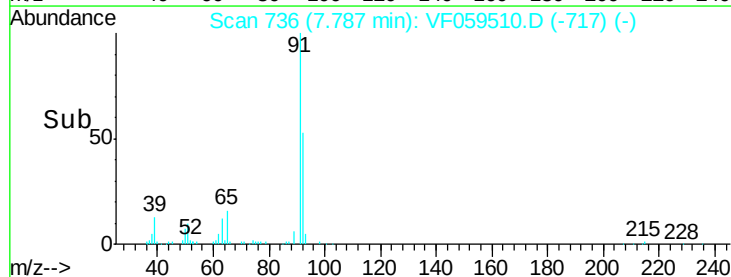
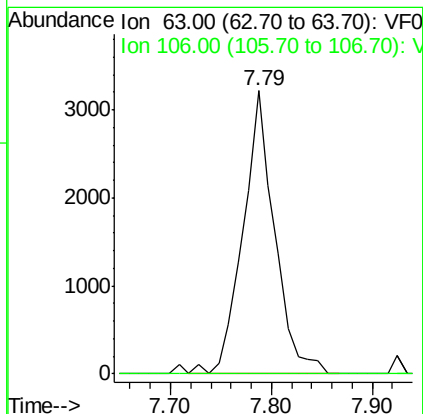
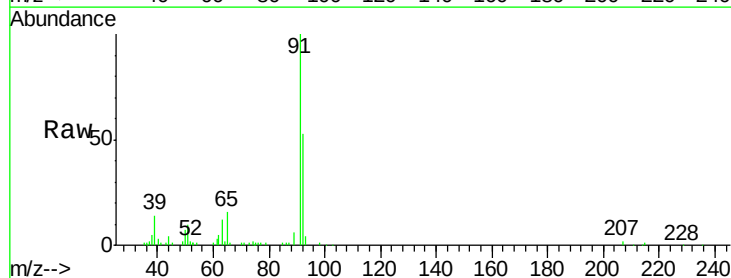
Acq: 17 Jul 2018 16:38

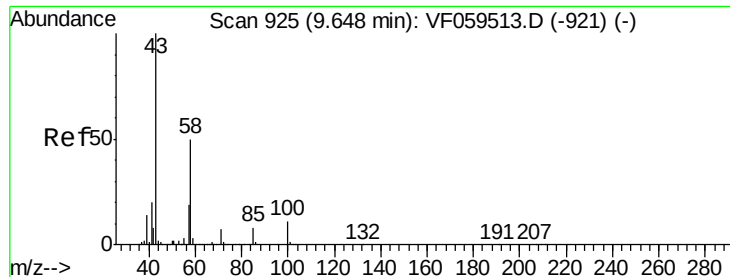
Tgt Ion: 63 Resp: 7057

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

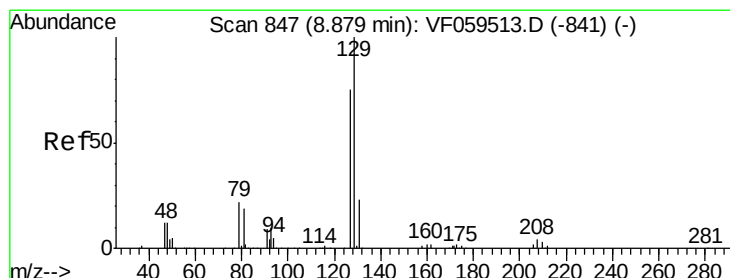
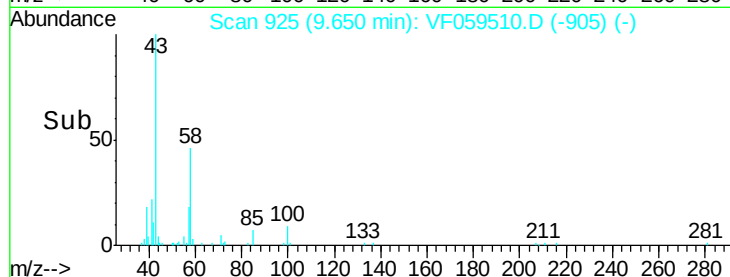
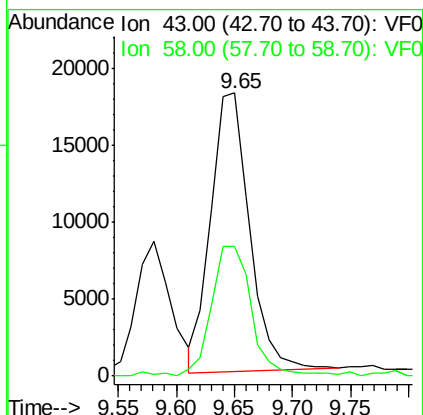
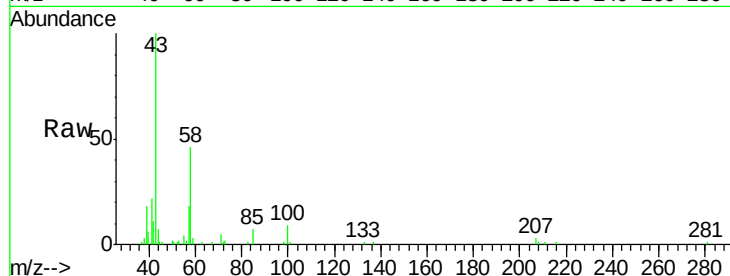




#59
2-Hexanone
Concen: 23.876 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

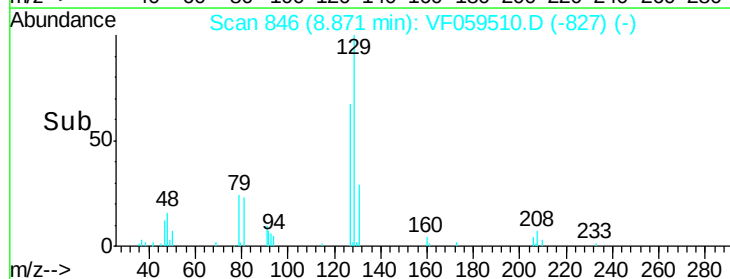
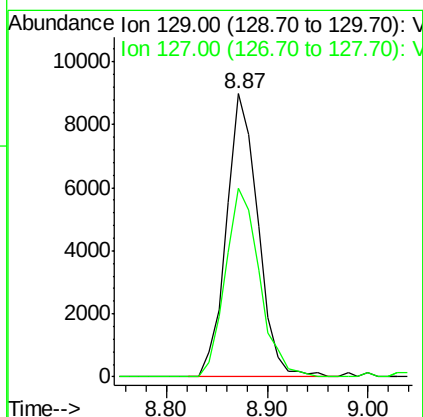
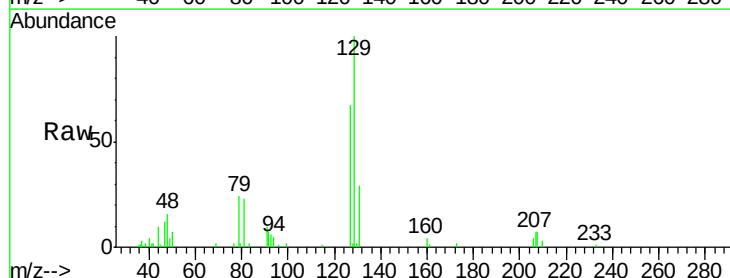
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

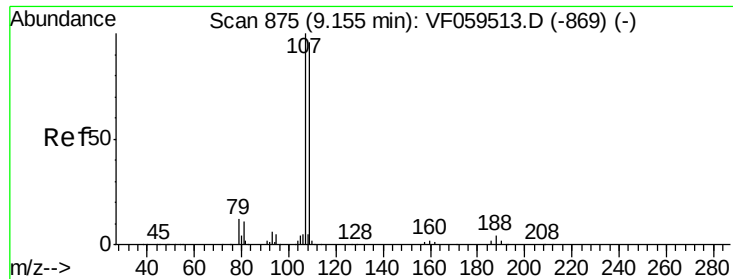
Tot Ion: 43 Resp: 41881
Ion Ratio Lower Upper
43 100
58 45.9 23.3 69.9



#60
Dibromochloromethane
Concen: 4.980 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion: 129 Resp: 19555
Ion Ratio Lower Upper
129 100
127 66.7 37.6 112.8





#61

1,2-Dibromoethane

Concen: 5.112 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

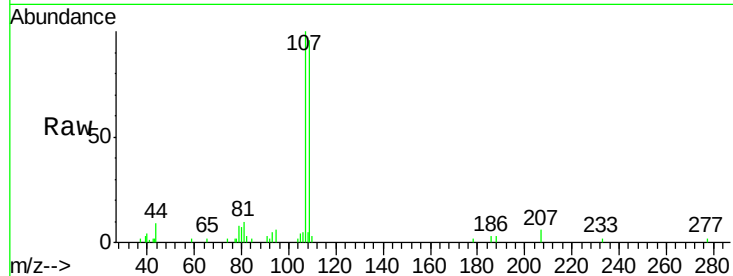
VSTDIC005

Tot Ion:107 Resp: 14970

Ion Ratio Lower Upper

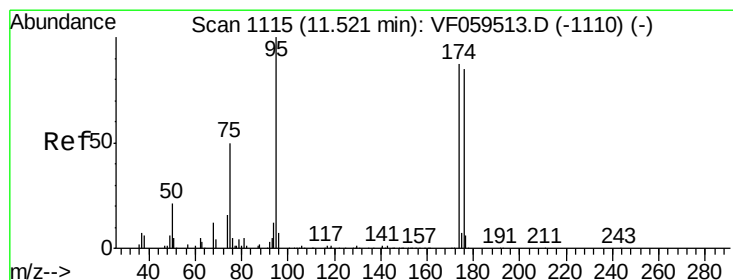
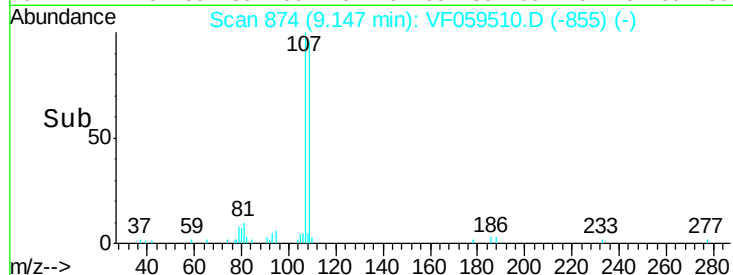
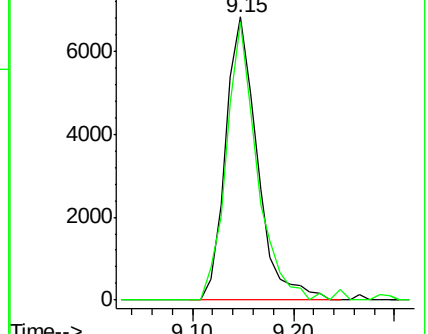
107 100

109 98.5 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 5.201 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

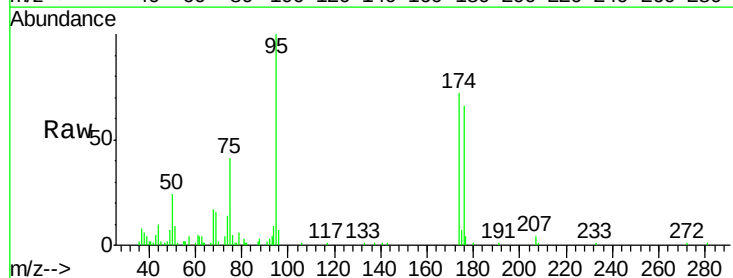
Tgt Ion: 95 Resp: 25340

Ion Ratio Lower Upper

95 100

174 71.7 0.0 174.4

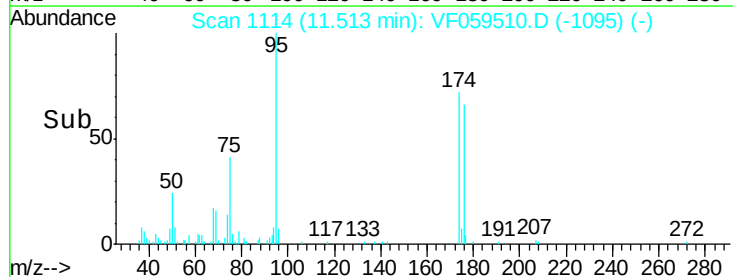
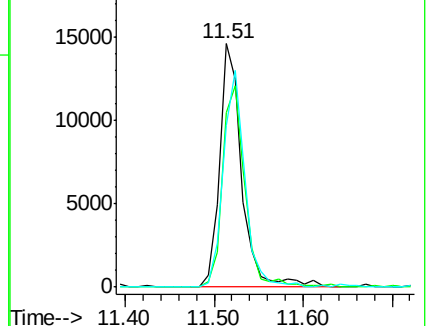
176 66.3 0.0 169.4

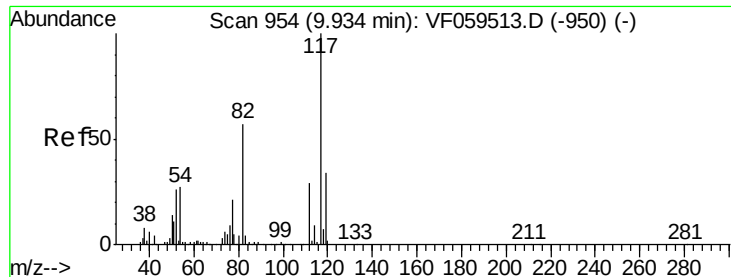


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

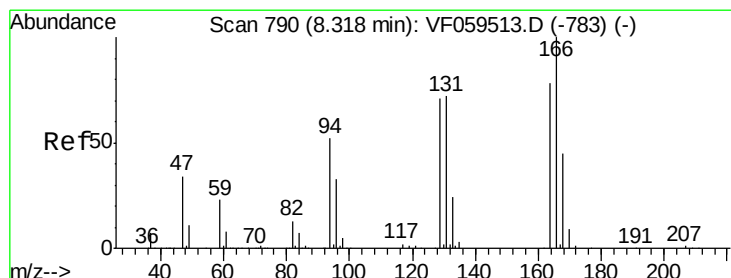
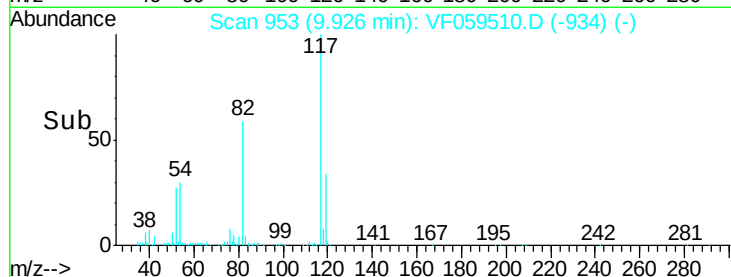
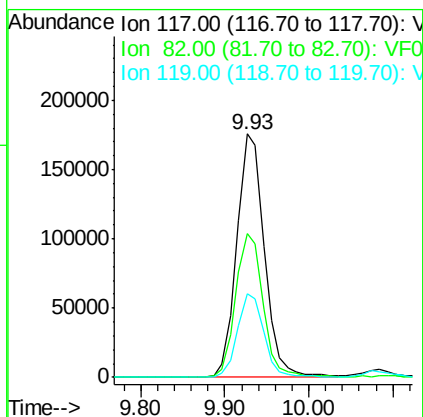
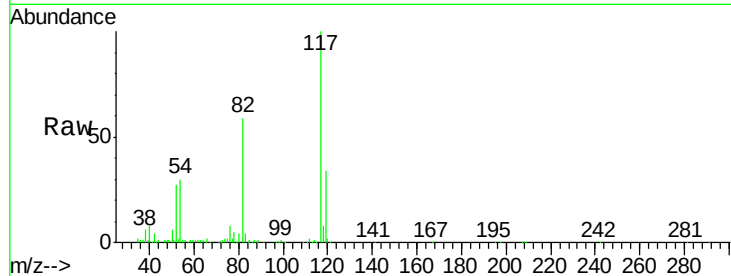




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

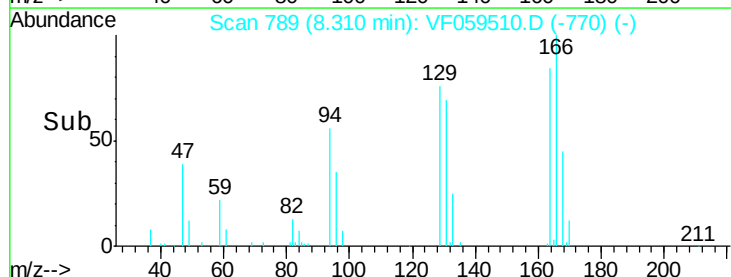
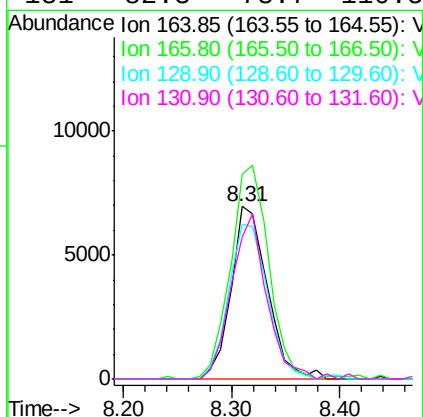
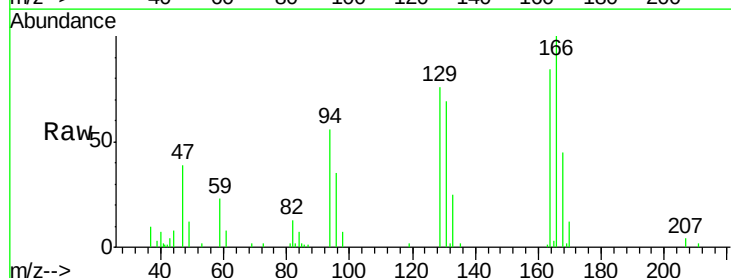
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

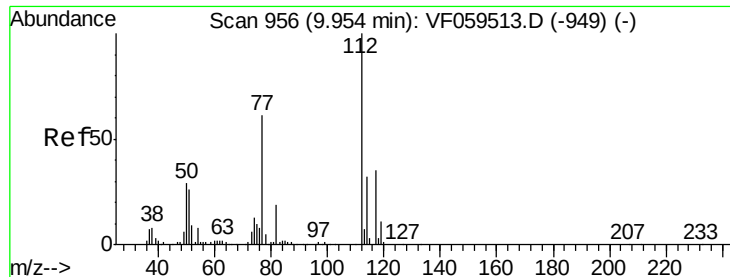
Tot Ion:117 Resp: 404222
Ion Ratio Lower Upper
117 100
82 58.9 46.1 69.1
119 34.3 27.2 40.8



#64
Tetrachloroethene
Concen: 5.098 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion:164 Resp: 16248
Ion Ratio Lower Upper
164 100
166 118.6 102.3 153.5
129 90.2 72.4 108.6
131 82.3 73.7 110.5

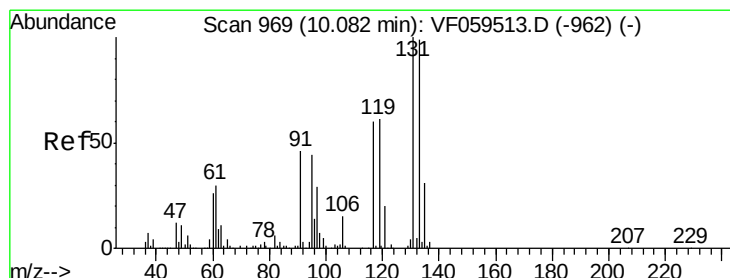
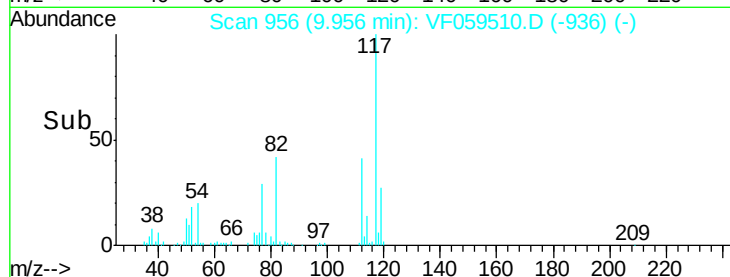
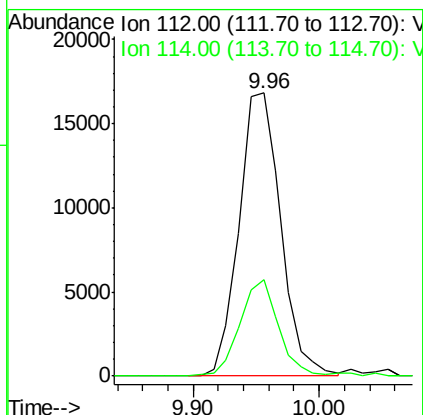
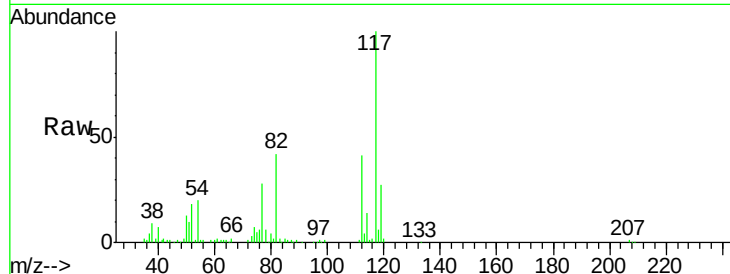




#65
Chlorobenzene
Concen: 5.082 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

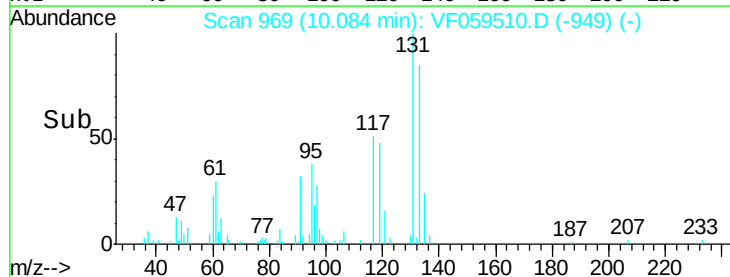
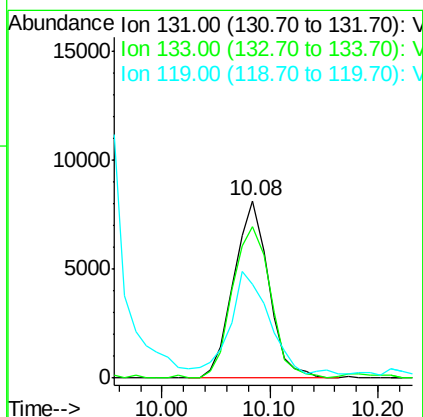
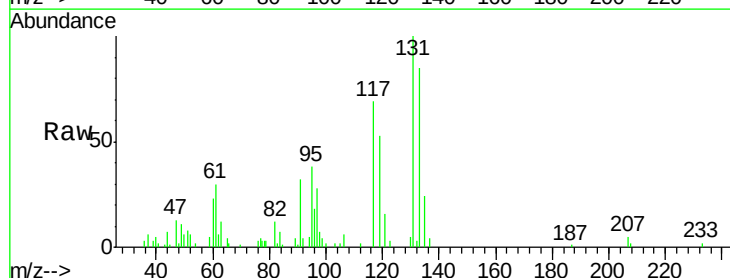
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

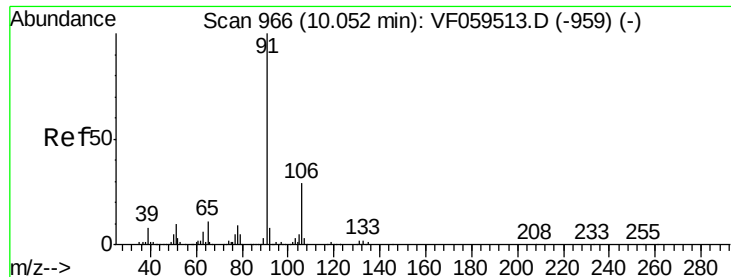
Tot Ion:112 Resp: 38636
Ion Ratio Lower Upper
112 100
114 34.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 5.303 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion:131 Resp: 18254
Ion Ratio Lower Upper
131 100
133 85.5 49.6 148.8
119 52.7 31.4 94.3





#67

Ethyl Benzene

Concen: 5.331 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

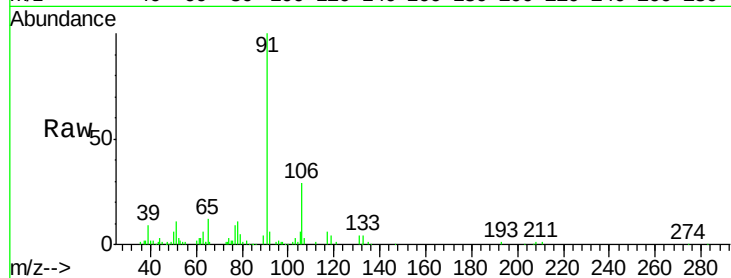
VSTDIC005

Tot Ion: 91 Resp: 72317

Ion Ratio Lower Upper

91 100

106 29.1 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.05

30000

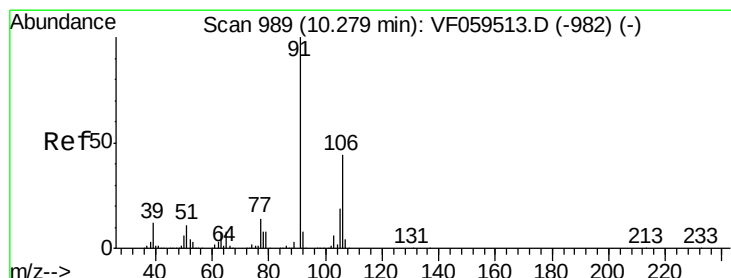
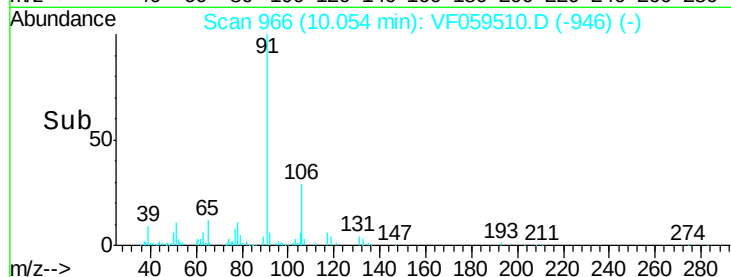
20000

10000

0

9.90 10.00 10.10 10.20

Time-->



#68

m/p-Xylenes

Concen: 10.735 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF059510.D

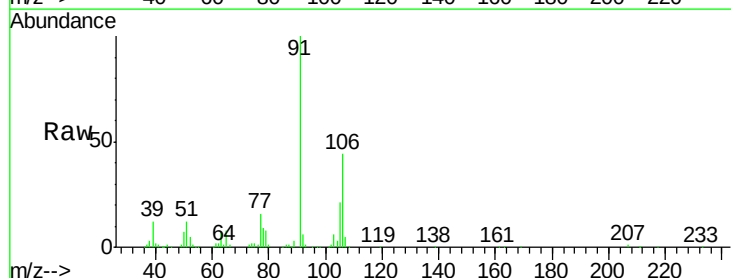
Acq: 17 Jul 2018 16:38

Tgt Ion: 106 Resp: 52157

Ion Ratio Lower Upper

106 100

91 226.3 181.0 271.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.28

60000

50000

40000

30000

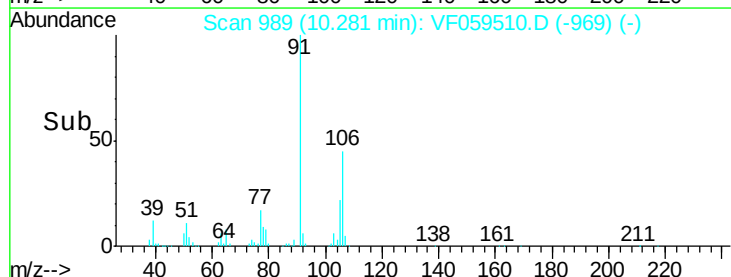
20000

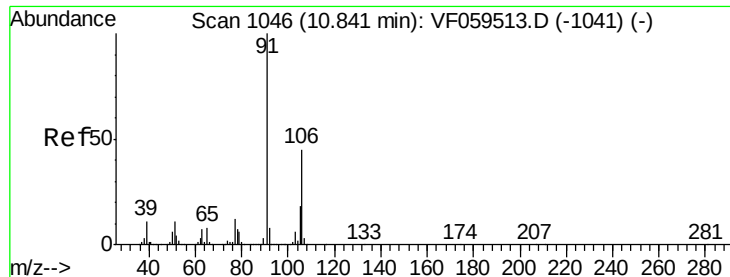
10000

0

10.20 10.30 10.40

Time-->

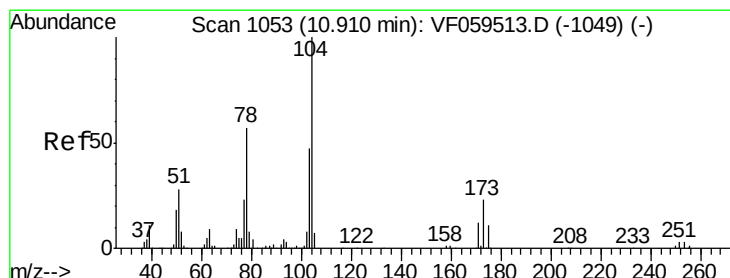
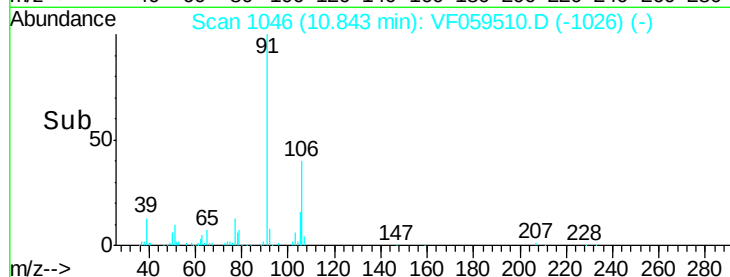
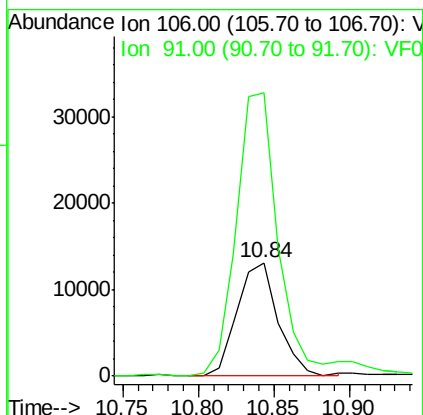
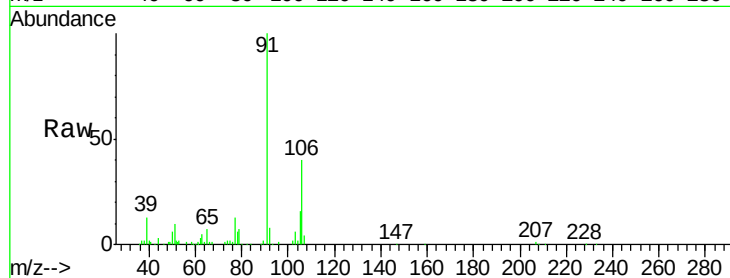




#69
o-Xylene
Concen: 4.929 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

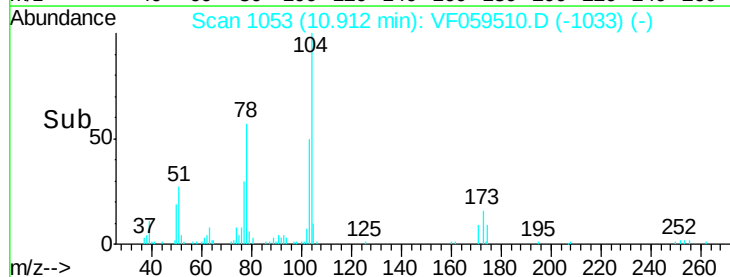
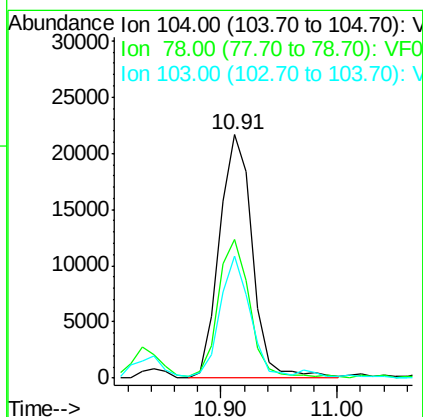
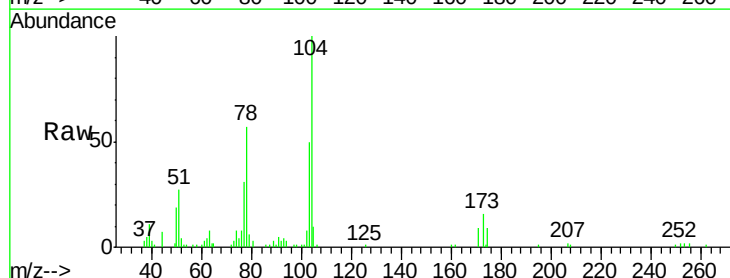
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

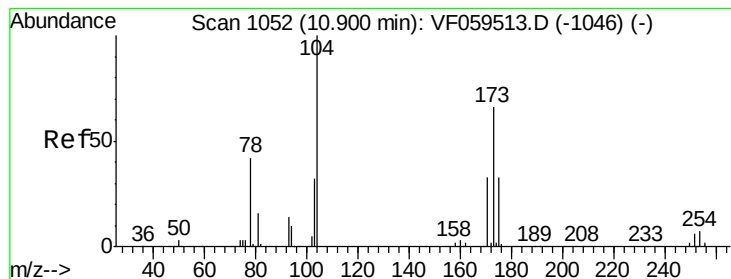
Tot Ion:106 Resp: 24885
Ion Ratio Lower Upper
106 100
91 249.6 112.3 336.9



#70
Styrene
Concen: 5.320 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion:104 Resp: 42499
Ion Ratio Lower Upper
104 100
78 56.7 45.7 68.5
103 49.9 38.1 57.1





#71

Bromoform

Concen: 4.678 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

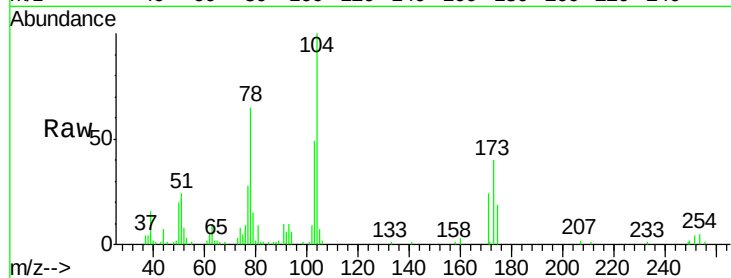
Tot Ion:173 Resp: 11741

Ion Ratio Lower Upper

173 100

175 47.9 25.3 75.8

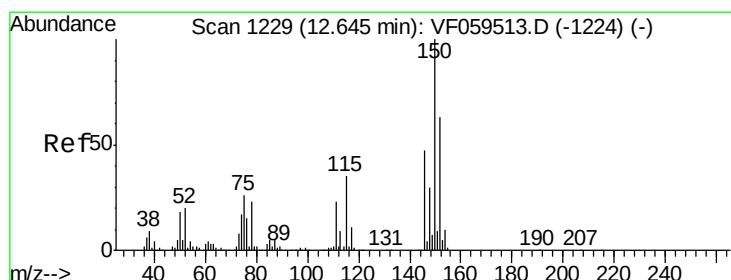
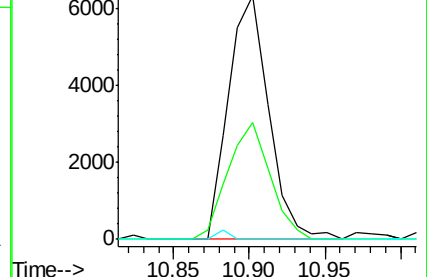
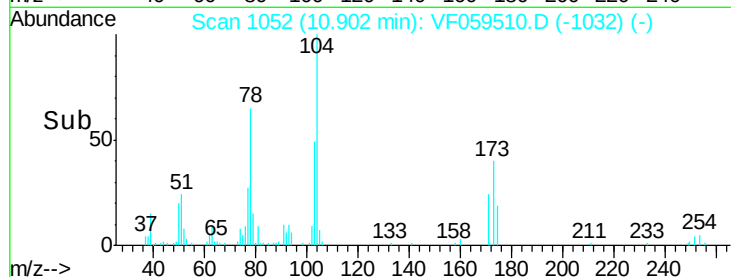
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

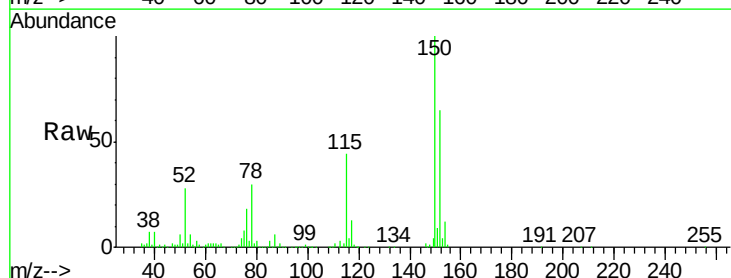
Tgt Ion:152 Resp: 237648

Ion Ratio Lower Upper

152 100

115 67.5 27.8 83.3

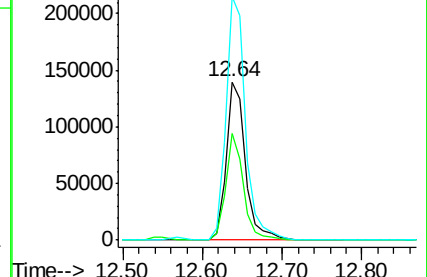
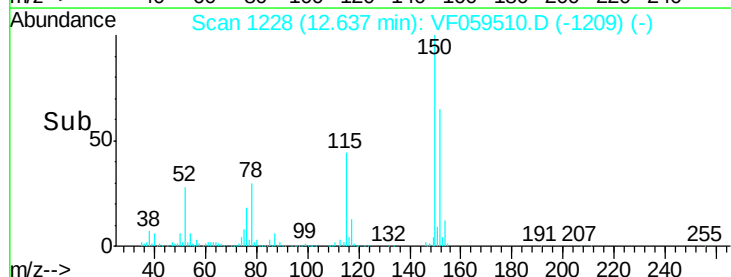
150 153.7 0.0 318.4

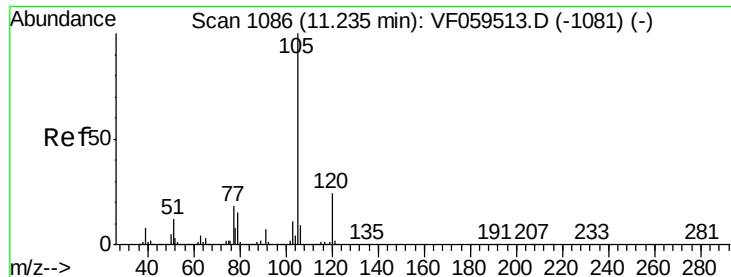


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 5.182 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

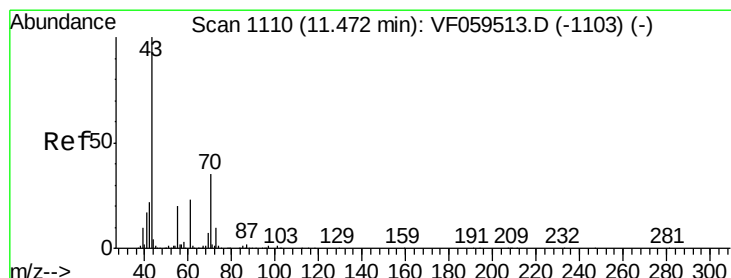
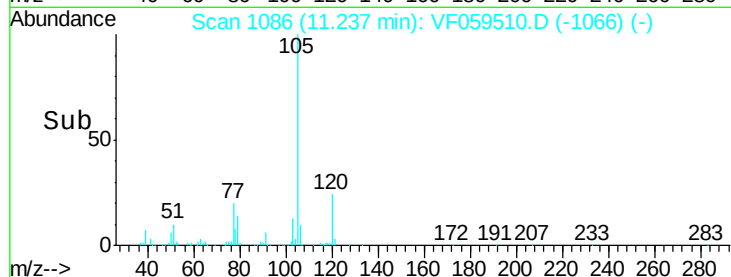
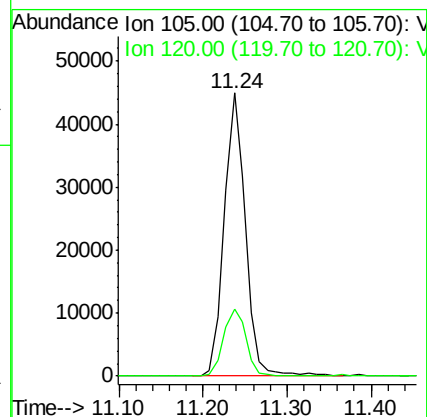
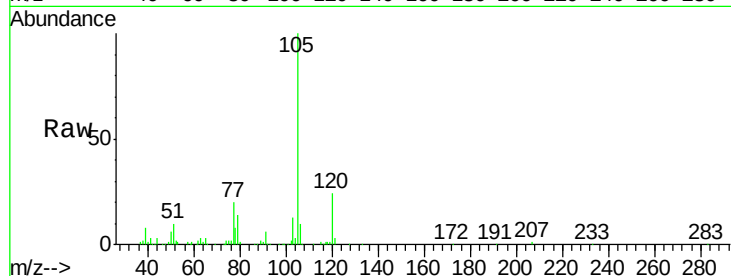
VSTDIC005

Tot Ion:105 Resp: 78559

Ion Ratio Lower Upper

105 100

120 23.8 12.0 36.0



#74

N-ethyl acetate

Concen: 4.540 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Tgt Ion: 43 Resp: 24425

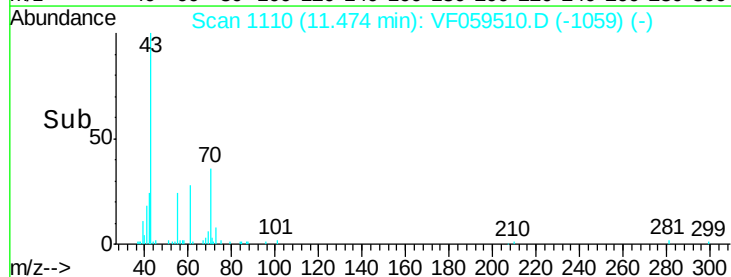
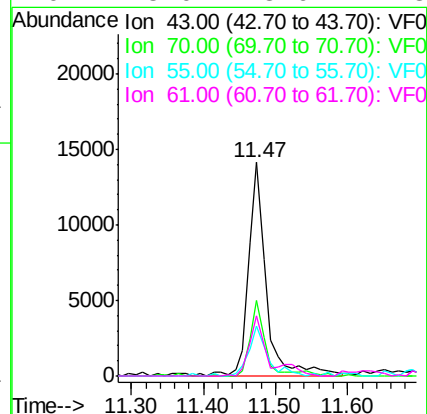
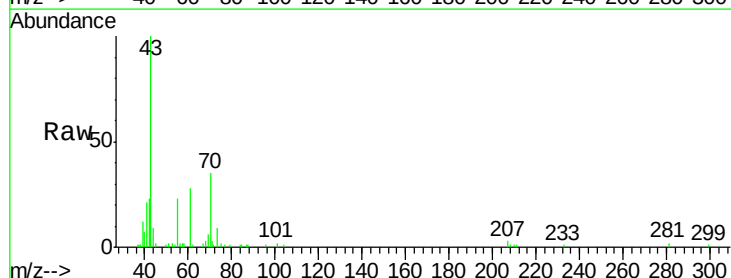
Ion Ratio Lower Upper

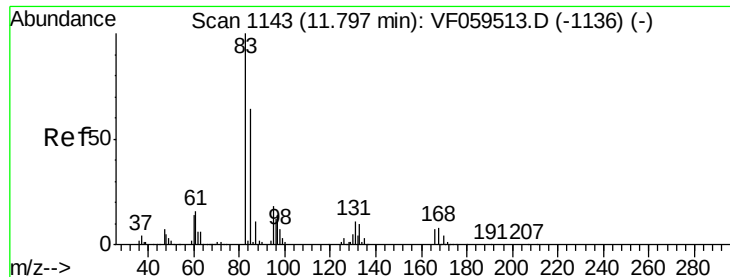
43 100

70 35.2 27.9 41.9

55 23.3 16.2 24.2

61 28.0 18.6 27.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 5.601 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

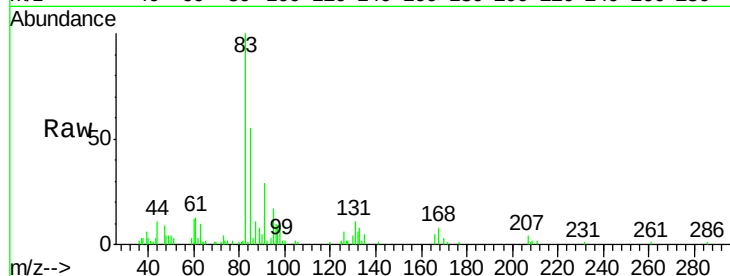
Tot Ion: 83 Resp: 18621

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.1

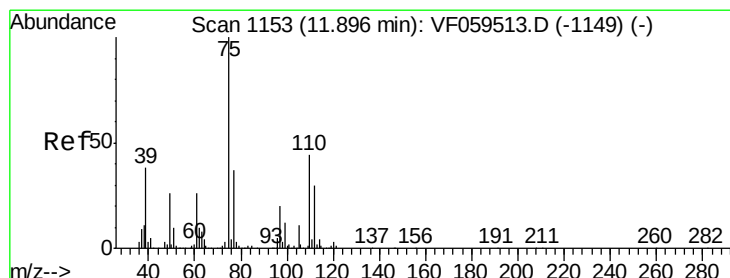
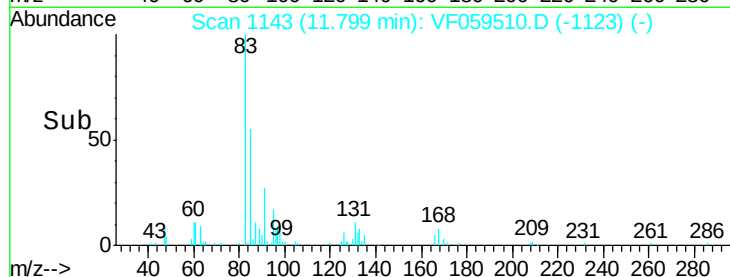
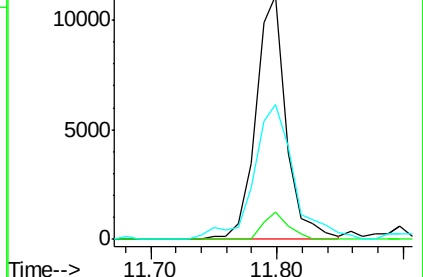
85 55.4 31.9 95.9



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: 5.250 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059510.D

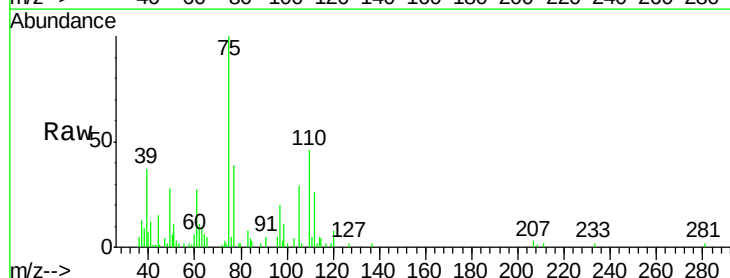
Acq: 17 Jul 2018 16:38

Tgt Ion: 75 Resp: 14390

Ion Ratio Lower Upper

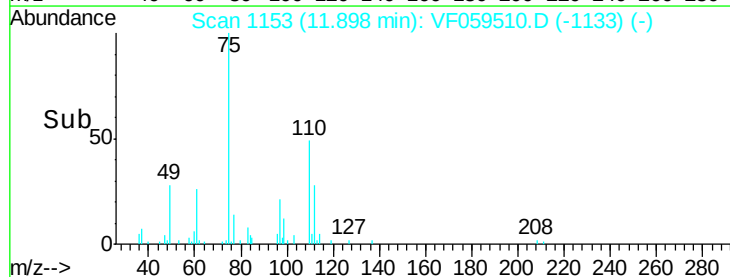
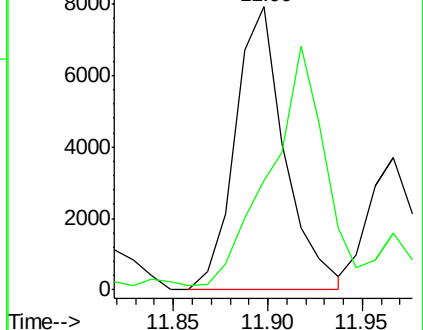
75 100

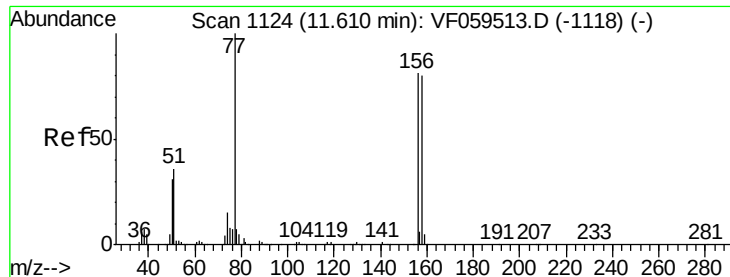
77 38.6 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 5.233 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

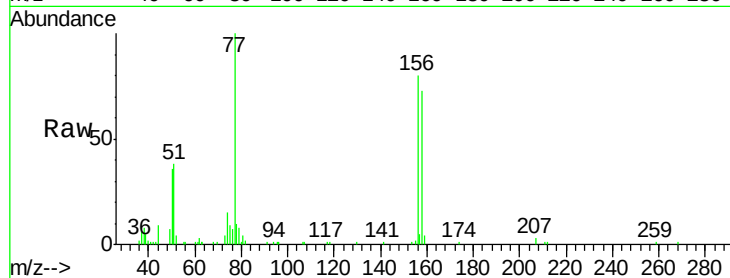
Tot Ion:156 Resp: 22353

Ion Ratio Lower Upper

156 100

77 125.4 62.0 186.0

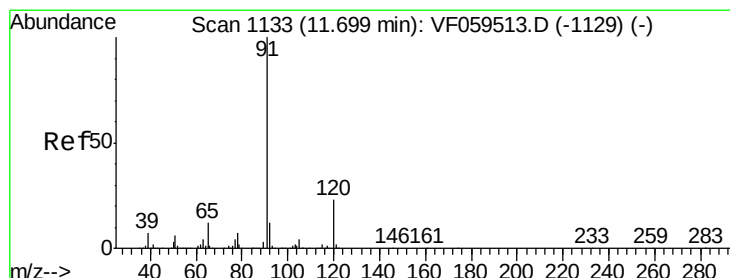
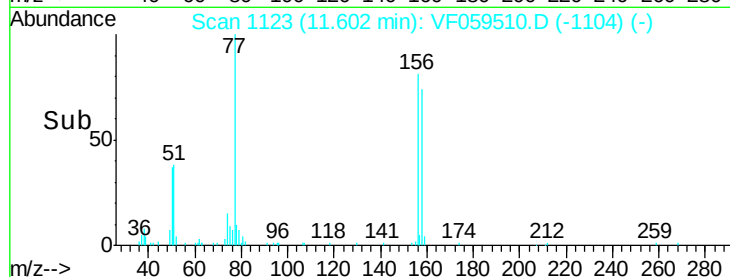
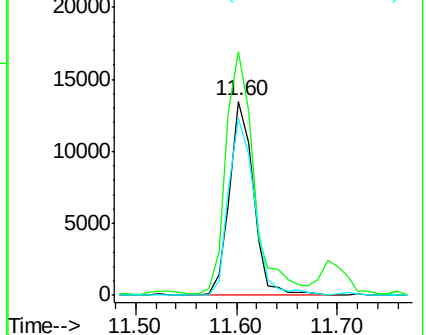
158 91.4 49.8 149.3



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: 5.260 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059510.D

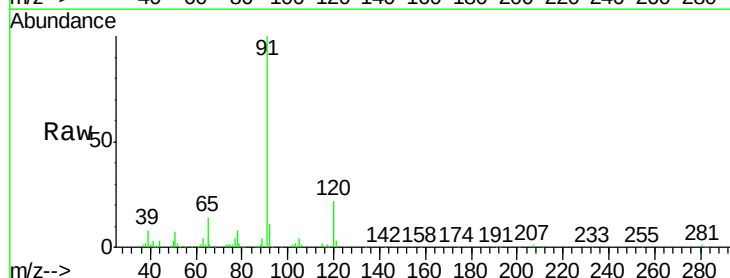
Acq: 17 Jul 2018 16:38

Tgt Ion: 91 Resp: 92327

Ion Ratio Lower Upper

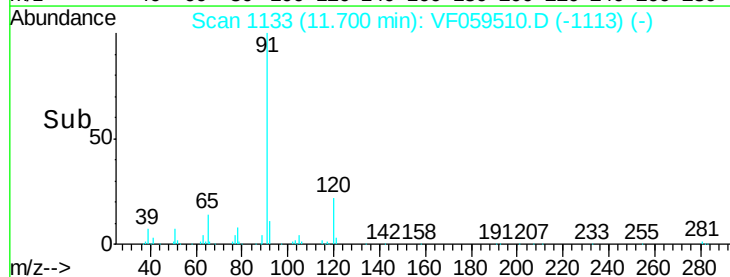
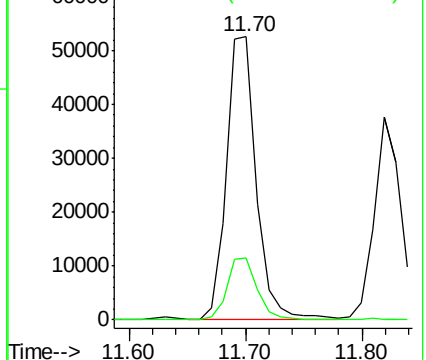
91 100

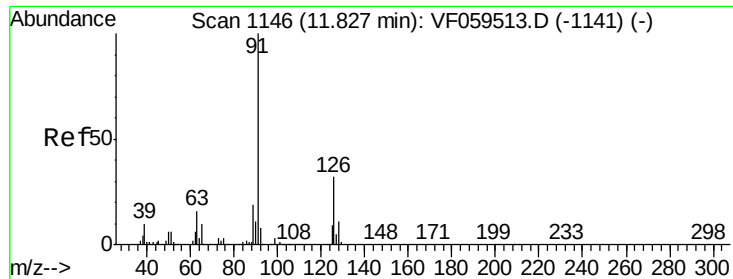
120 21.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

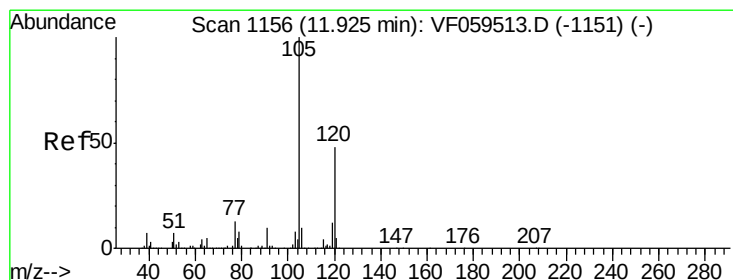
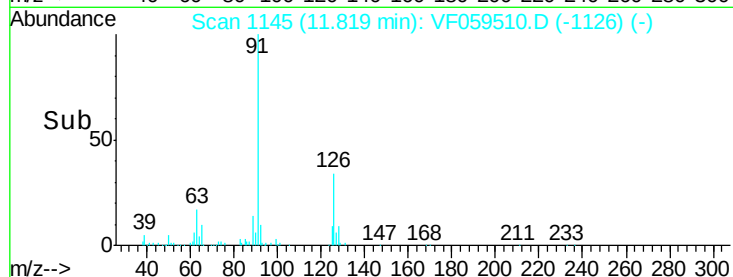
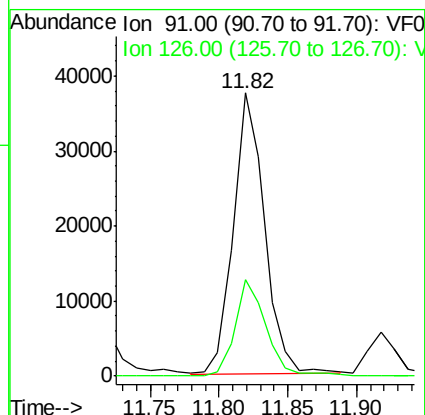
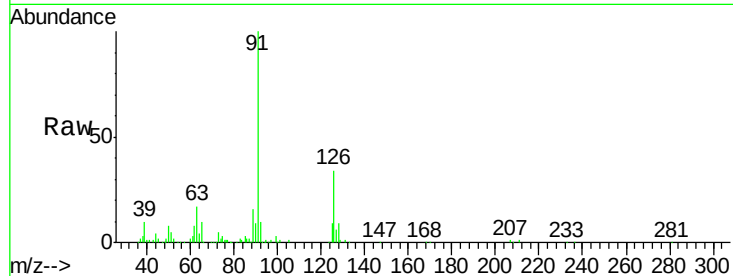




#79
 2-Chlorotoluene
 Concen: 5.553 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

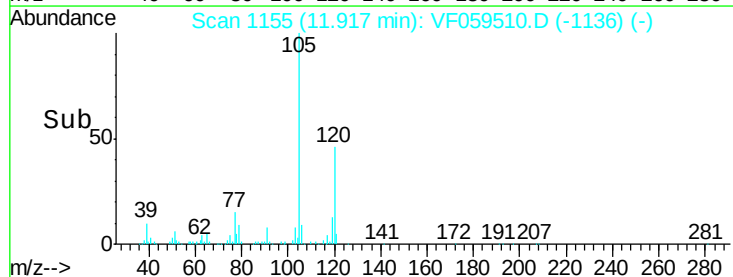
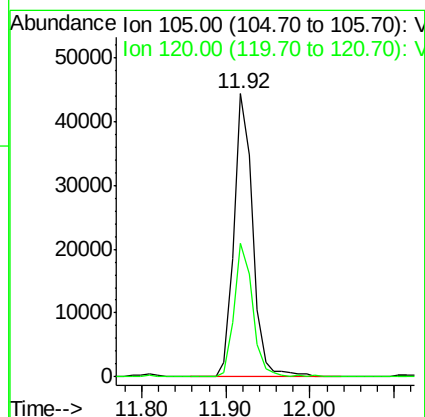
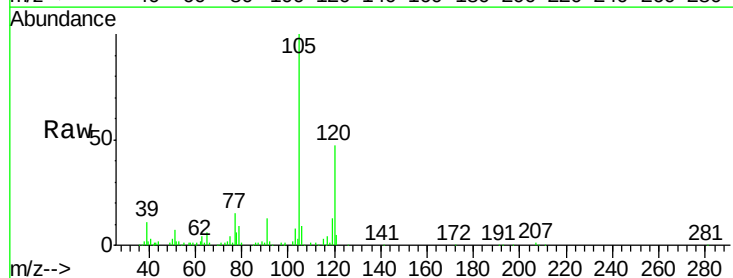
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

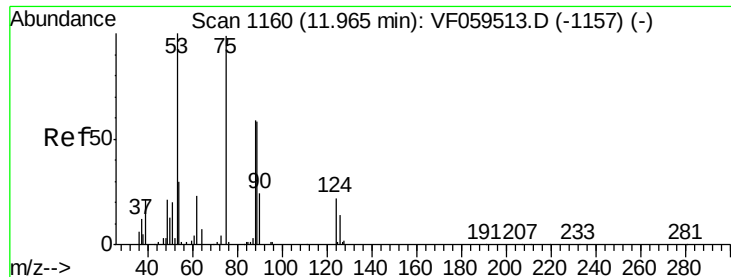
Tot Ion: 91 Resp: 58909
 Ion Ratio Lower Upper
 91 100
 126 33.9 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 5.280 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion:105 Resp: 68816
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 6.543 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

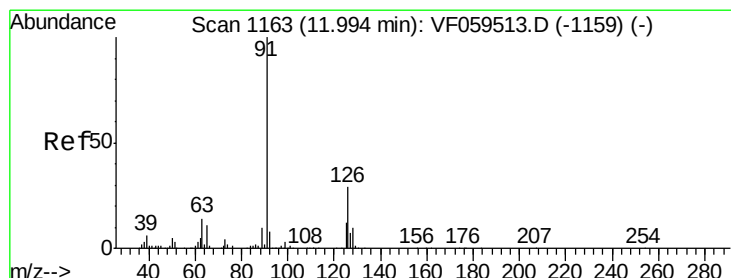
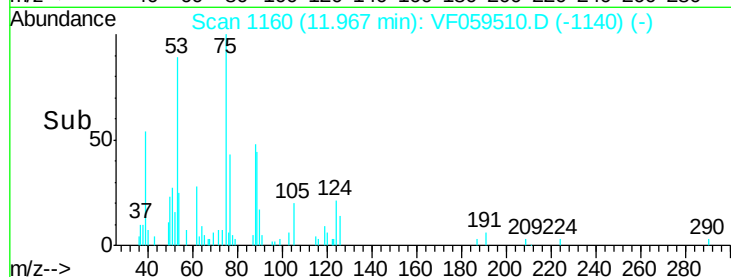
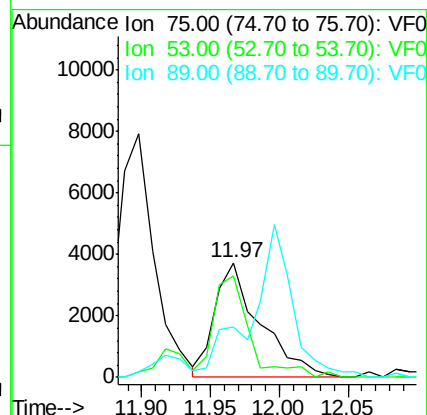
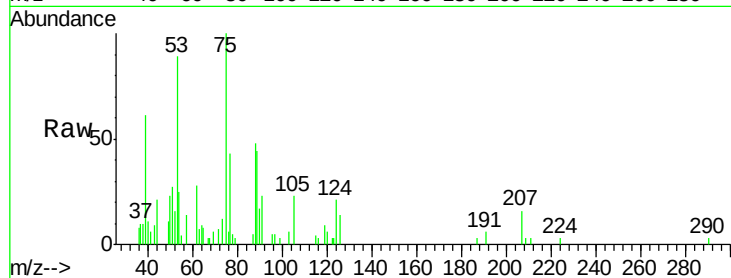
Tot Ion: 75 Resp: 8503

Ion Ratio Lower Upper

75 100

53 89.3 84.6 127.0

89 44.5 48.2 72.4#



#82

4-Chlorotoluene

Concen: 5.246 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059510.D

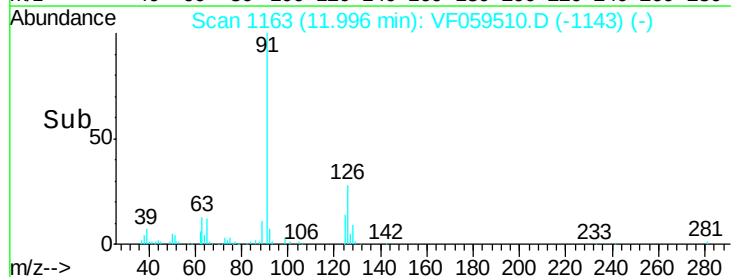
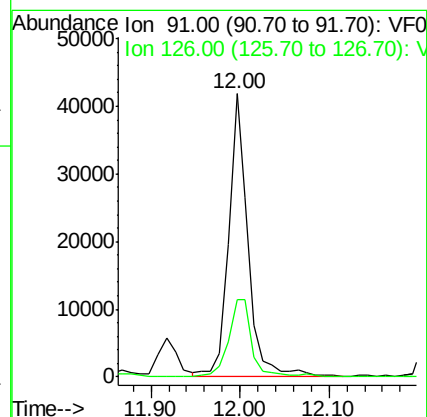
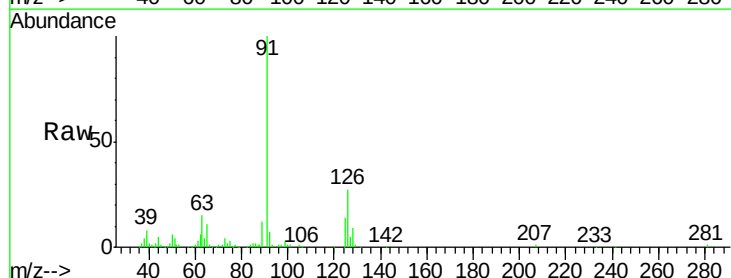
Acq: 17 Jul 2018 16:38

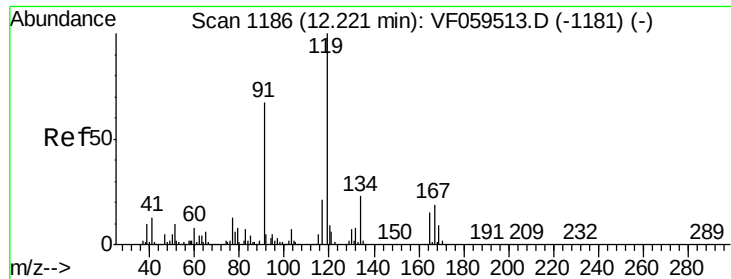
Tgt Ion: 91 Resp: 64479

Ion Ratio Lower Upper

91 100

126 27.3 14.4 43.4





#83

tert-Butylbenzene

Concen: 5.196 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

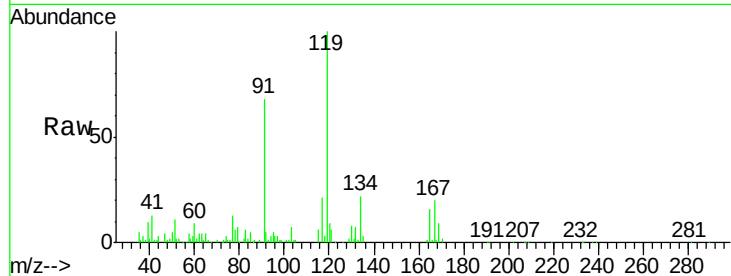
Tot Ion:119 Resp: 63390

Ion Ratio Lower Upper

119 100

91 67.5 33.5 100.5

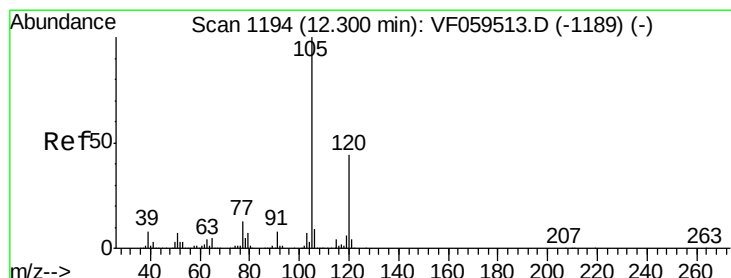
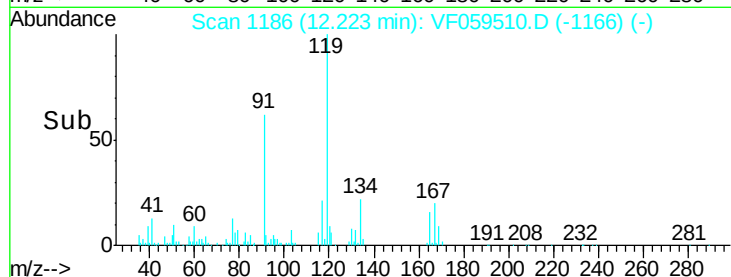
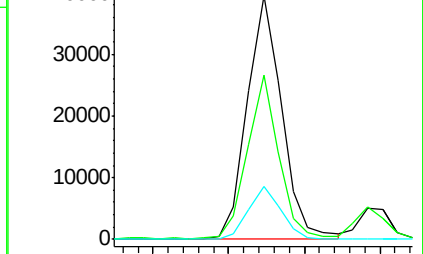
134 21.8 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.356 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. -0.01 min

Lab File: VF059510.D

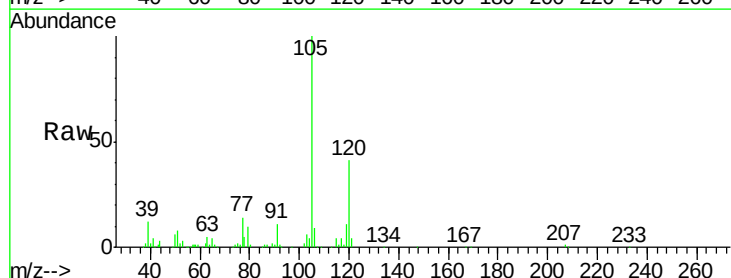
Acq: 17 Jul 2018 16:38

Tgt Ion:105 Resp: 69744

Ion Ratio Lower Upper

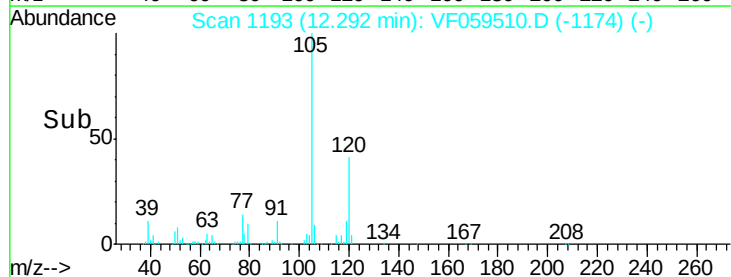
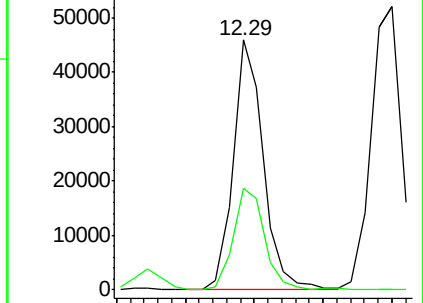
105 100

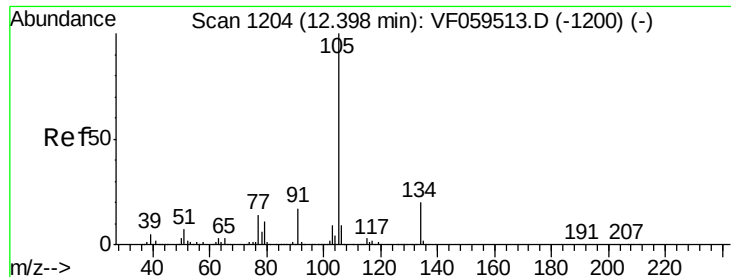
120 40.9 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.349 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

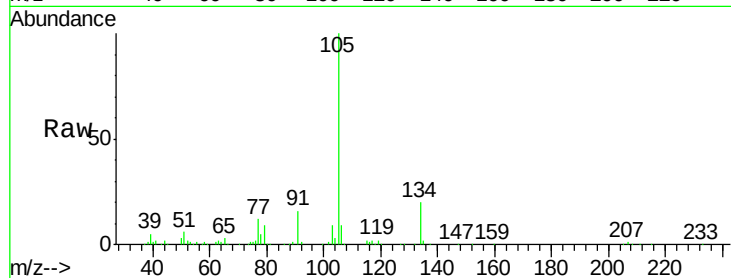
VSTDIC005

Tot Ion:105 Resp: 82433

Ion Ratio Lower Upper

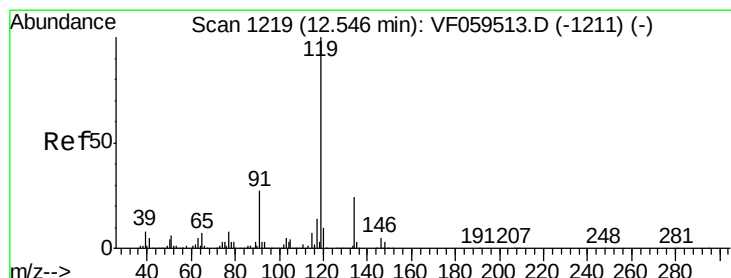
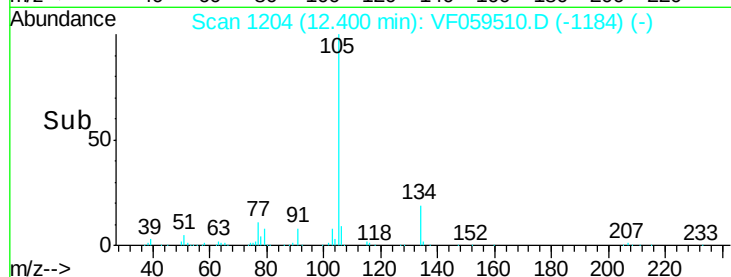
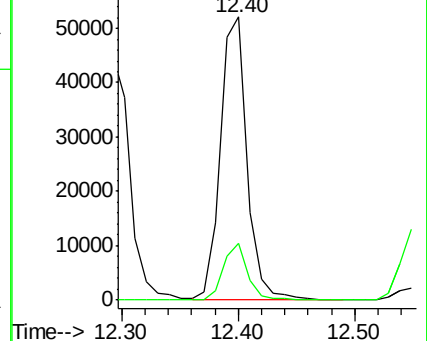
105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.108 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

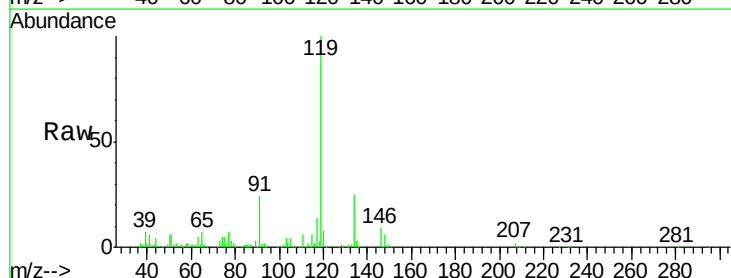
Tgt Ion:119 Resp: 69632

Ion Ratio Lower Upper

119 100

134 25.2 12.0 36.0

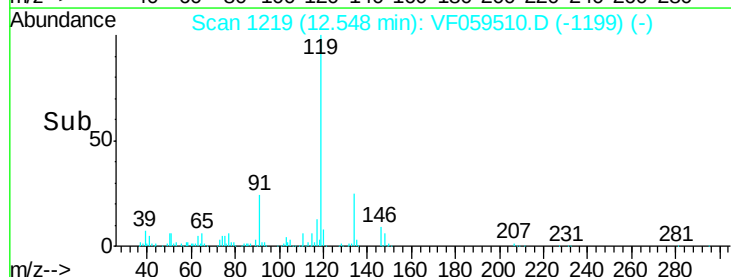
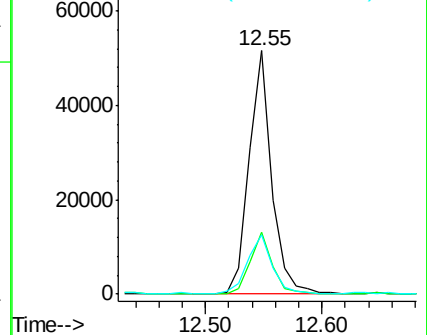
91 24.4 13.5 40.4

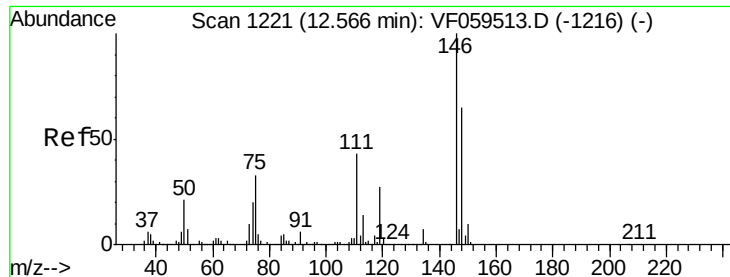


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

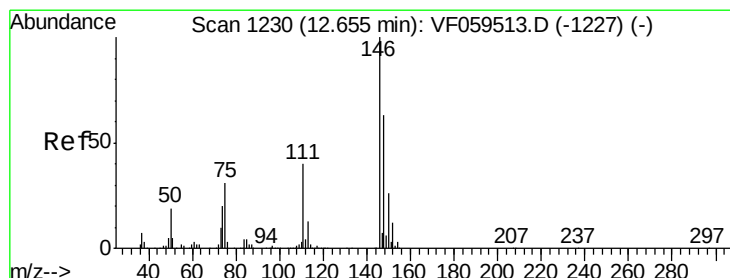
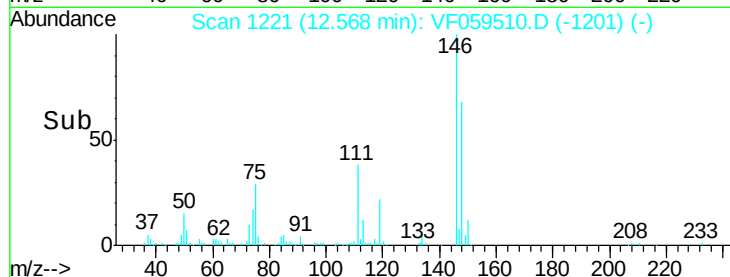
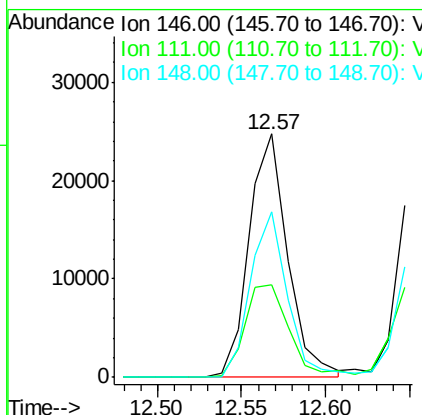
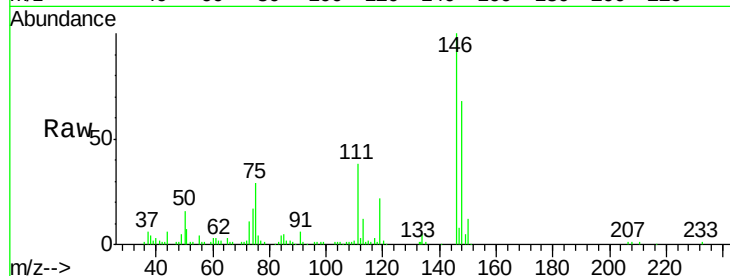




#87
 1,3-Dichlorobenzene
 Concen: 5.395 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

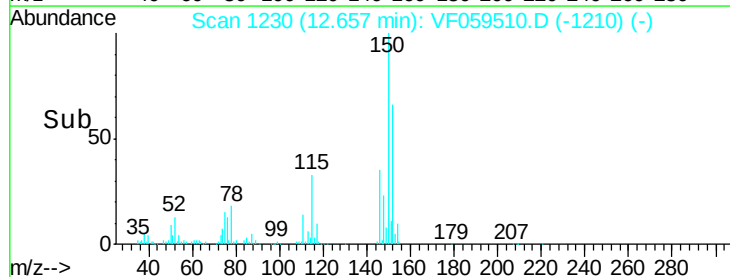
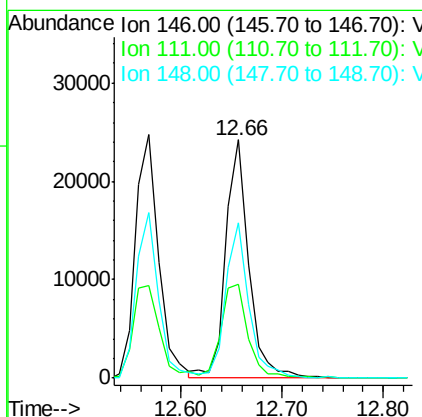
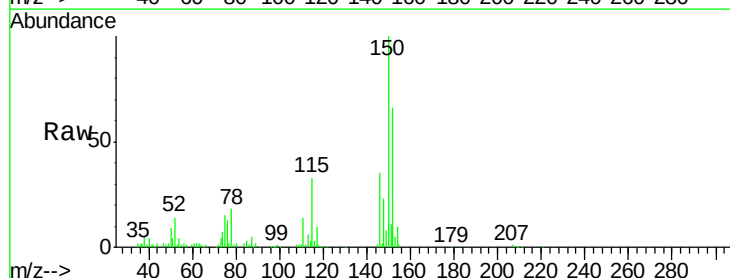
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

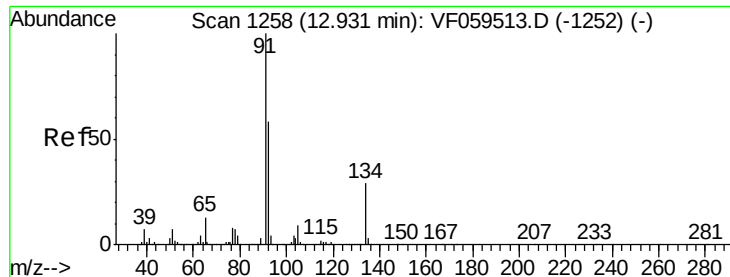
Tot Ion:146 Resp: 39463
 Ion Ratio Lower Upper
 146 100
 111 37.8 21.4 64.3
 148 68.0 32.7 98.1



#88
 1,4-Dichlorobenzene
 Concen: 5.443 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion:146 Resp: 38523
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.0 59.9
 148 65.4 31.5 94.5





#89

n-Butylbenzene

Concen: 5.123 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

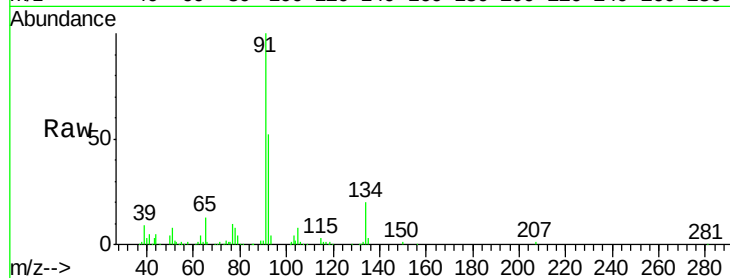
Tot Ion: 91 Resp: 64109

Ion Ratio Lower Upper

91 100

92 51.7 29.1 87.3

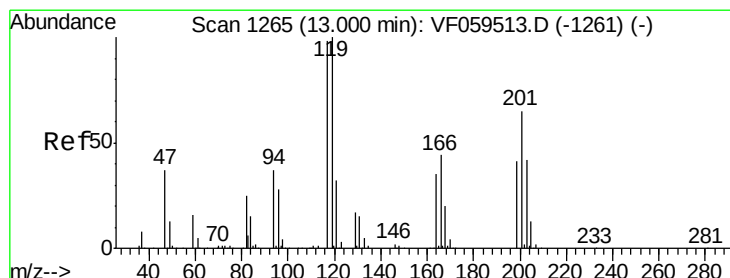
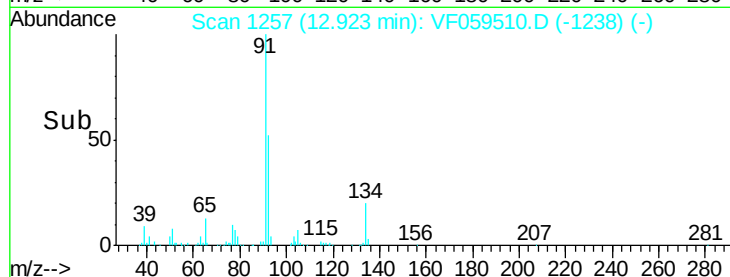
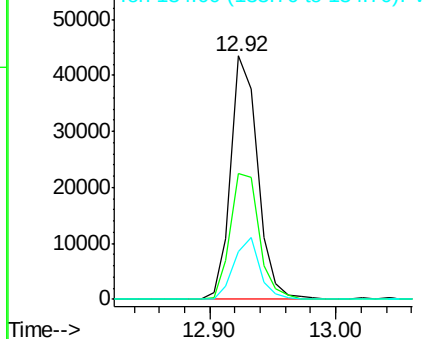
134 19.6 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 5.295 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF059510.D

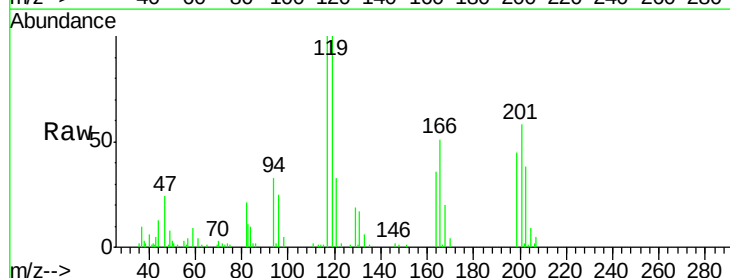
Acq: 17 Jul 2018 16:38

Tgt Ion: 117 Resp: 16250

Ion Ratio Lower Upper

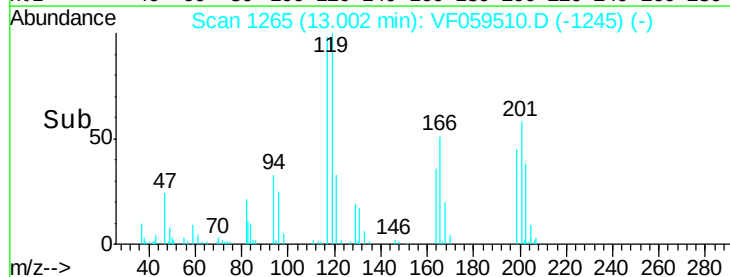
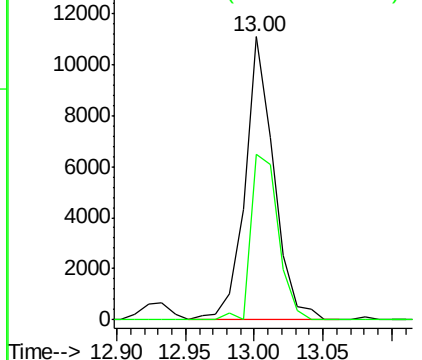
117 100

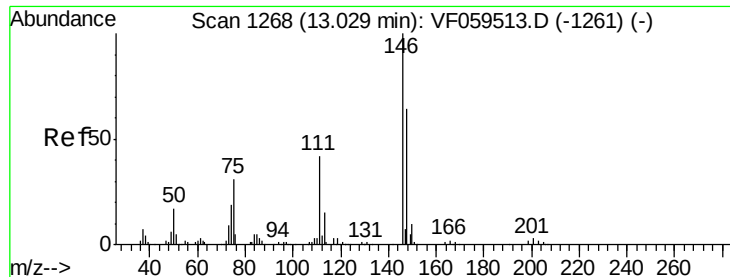
201 58.3 32.6 98.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

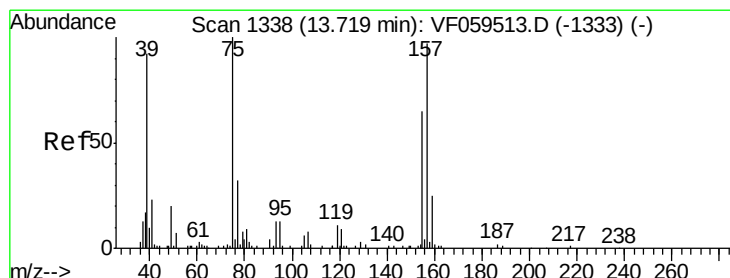
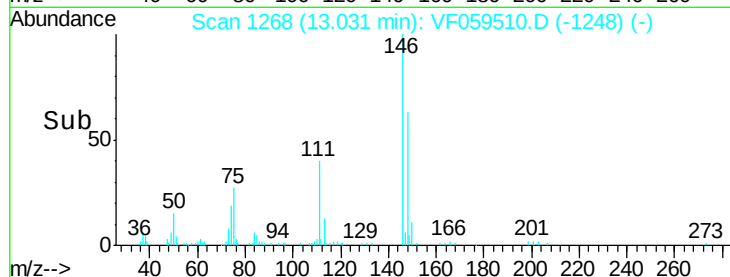
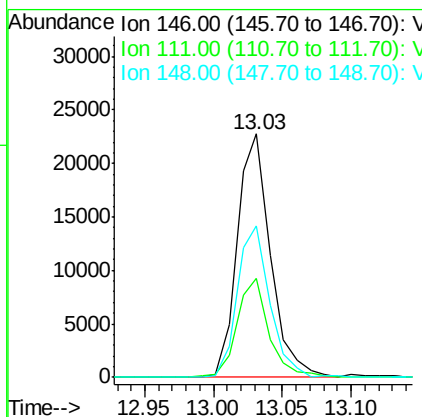
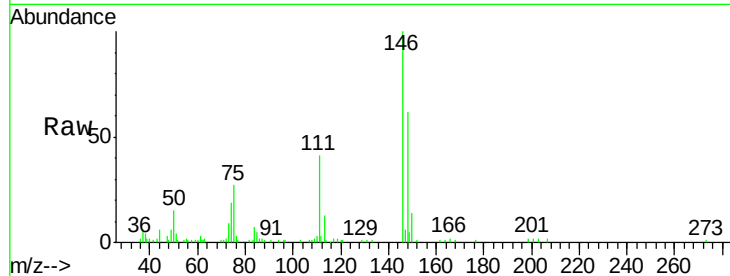




#91
 1,2-Dichlorobenzene
 Concen: 5.611 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

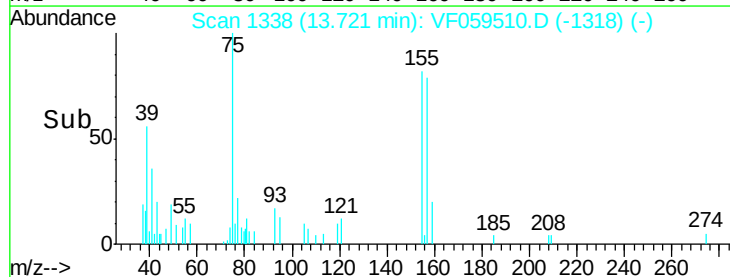
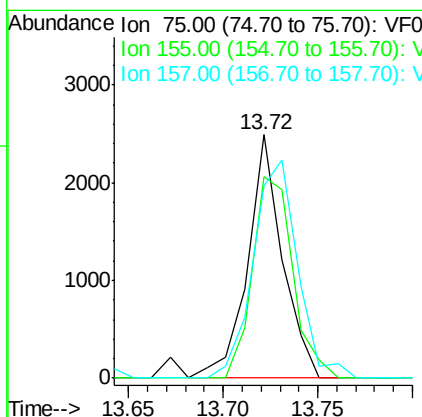
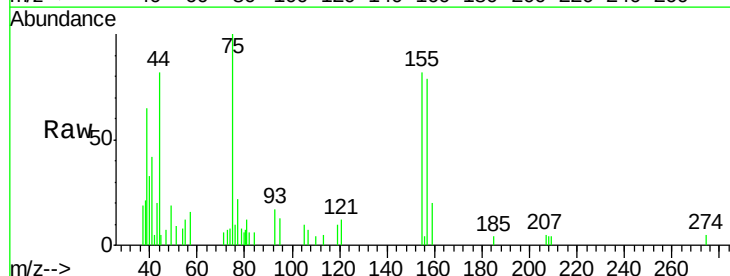
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

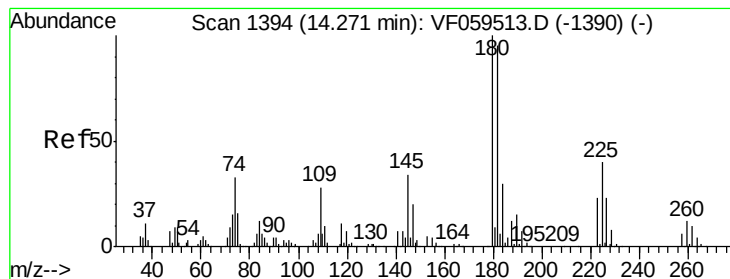
Tot Ion:146 Resp: 38262
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.1 63.1
 148 62.4 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.311 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion: 75 Resp: 3182
 Ion Ratio Lower Upper
 75 100
 155 82.5 32.8 98.3
 157 79.3 48.5 145.5





#93

1,2,4-Trichlorobenzene

Concen: 4.818 ug/l

RT: 14.27 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

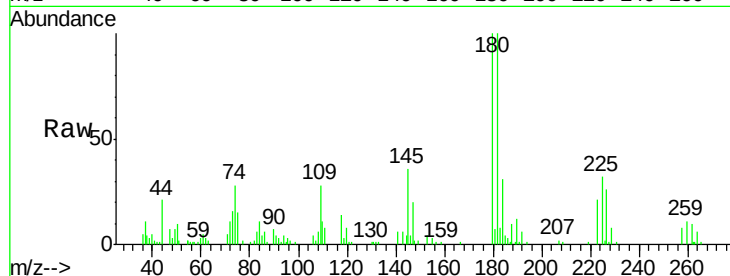
Tot Ion:180 Resp: 20544

Ion Ratio Lower Upper

180 100

182 100.1 47.5 142.5

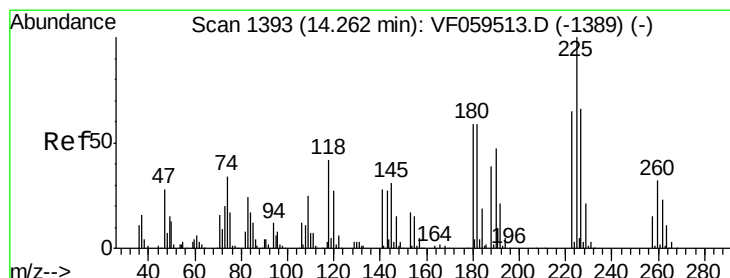
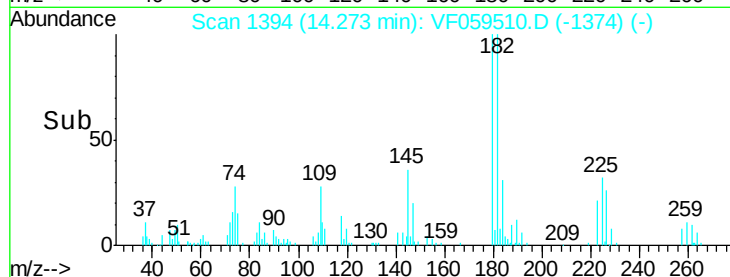
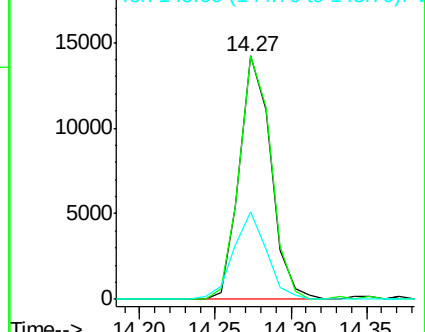
145 36.2 17.3 51.7



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: 5.315 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

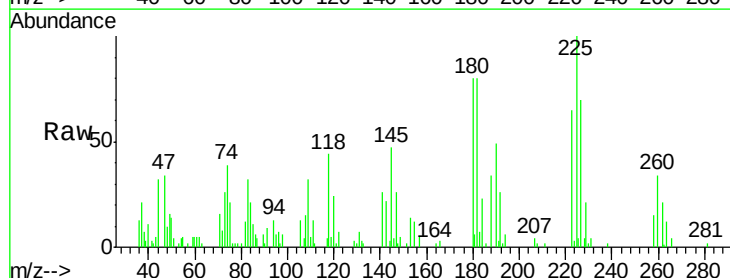
Tgt Ion:225 Resp: 10030

Ion Ratio Lower Upper

225 100

223 62.4 32.3 96.8

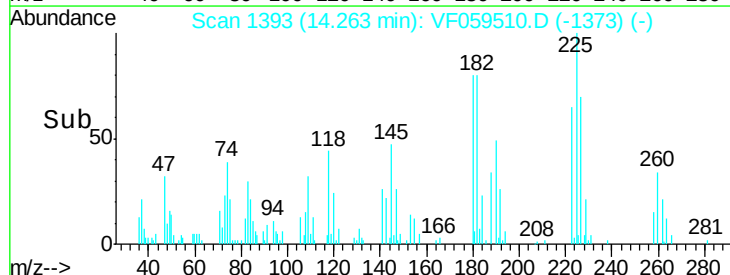
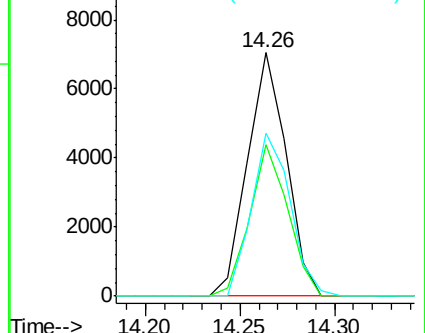
227 67.0 33.2 99.6

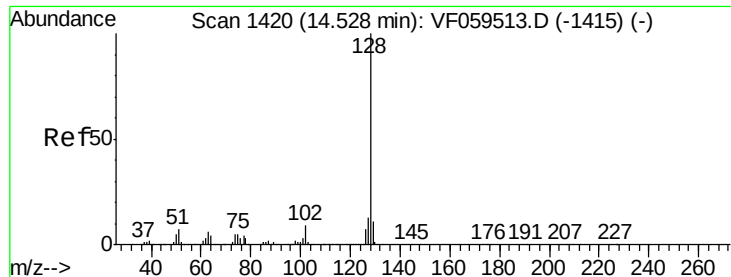


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

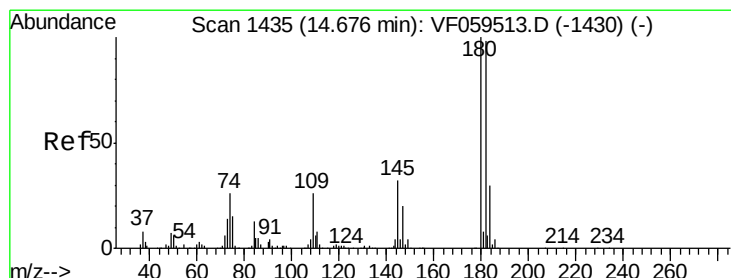
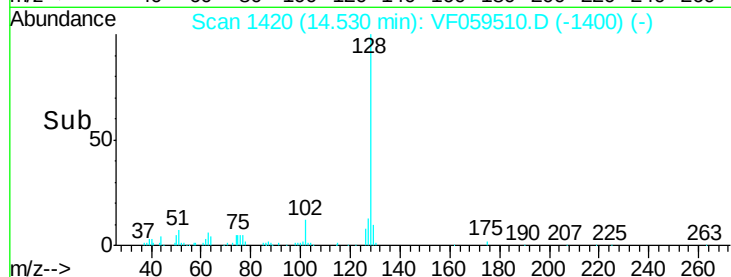
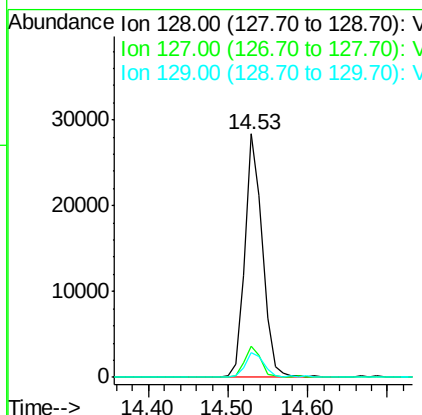
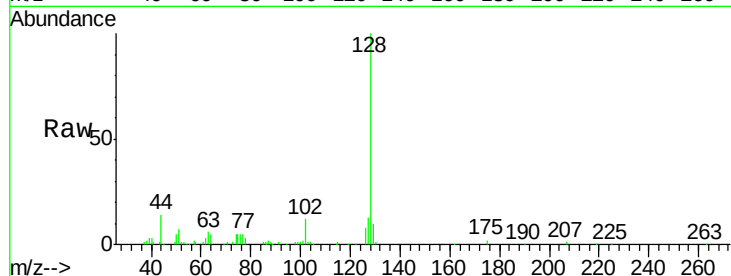




#95
Naphthalene
Concen: 4.761 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 43197
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.4 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 5.045 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion:180 Resp: 18766
Ion Ratio Lower Upper
180 100
182 95.5 48.8 146.4
145 33.7 16.2 48.6

