

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF102518\
 Data File : VF060505.D
 Acq On : 25 Oct 2018 14:08
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 26 00:33:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 00:30:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	174129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	264532	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	220312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	150803	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	18805	7.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.24%	
35) Dibromofluoromethane	4.29	113	15828	6.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.00%	
50) Toluene-d8	7.71	98	33239	5.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.36%	
62) 4-Bromofluorobenzene	11.50	95	18220	7.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.20%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.00	85	27695	8.094 ug/l	93
3) Chloromethane	1.14	50	12708	6.003 ug/l #	81
4) Vinyl Chloride	1.18	62	13271	5.780 ug/l	95
5) Bromomethane	1.36	94	14044	7.777 ug/l	91
6) Chloroethane	1.43	64	9489	7.818 ug/l #	78
7) Trichlorofluoromethane	1.54	101	42922	8.340 ug/l #	81
8) Diethyl Ether	1.70	74	4441	6.031 ug/l	62
9) 1,1,2-Trichlorotrifluoroet	1.88	101	19293	7.494 ug/l #	81
10) Methyl Iodide	1.96	142	26850	6.578 ug/l	86
11) Tert butyl alcohol	2.67	59	5610	40.543 ug/l	95
12) 1,1-Dichloroethene	1.86	96	13235	6.154 ug/l #	70
13) Acrolein	2.09	56	4611	53.779 ug/l	98
14) Allyl chloride	2.19	41	21548	6.798 ug/l	94
15) Acrylonitrile	3.08	53	10387	35.657 ug/l #	77
16) Acetone	2.34	43	22117	38.221 ug/l #	90
17) Carbon Disulfide	1.87	76	38631	6.460 ug/l #	92
18) Methyl Acetate	2.45	43	6851	6.247 ug/l #	89
19) Methyl tert-butyl Ether	2.53	73	30569	6.315 ug/l #	81
20) Methylene Chloride	2.28	84	7191	3.580 ug/l	85
21) trans-1,2-Dichloroethene	2.41	96	14000	6.975 ug/l	95
22) Diisopropyl ether	2.92	45	37502	5.755 ug/l	95
23) Vinyl Acetate	3.33	43	55833	24.477 ug/l #	95
24) 1,1-Dichloroethane	3.00	63	28844	6.596 ug/l #	94
25) 2-Butanone	4.51	43	16682	26.484 ug/l	99
26) 2,2-Dichloropropane	3.77	77	20995	9.208 ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	11799	5.036 ug/l	89
28) Bromochloromethane	3.87	49	9367	6.167 ug/l #	75
29) Tetrahydrofuran	4.26	42	8721	32.844 ug/l #	88
30) Chloroform	4.03	83	35625	7.040 ug/l	90
31) Cyclohexane	3.86	56	15370	5.494 ug/l #	88
32) 1,1,1-Trichloroethane	4.28	97	32770	8.220 ug/l	97
36) 1,1-Dichloropropene	4.46	75	21205	6.892 ug/l	94
37) Ethyl Acetate	4.29	43	6717	6.180 ug/l #	78
38) Carbon Tetrachloride	4.17	117	29035	9.394 ug/l #	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF102518\
 Data File : VF060505.D
 Acq On : 25 Oct 2018 14:08
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 26 00:33:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 00:30:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.62	83	19527	6.740	ug/l #	74
40) Benzene	4.81	78	37935	6.005	ug/l	94
41) Methacrylonitrile	4.92	41	4540	7.352	ug/l #	71
42) 1,2-Dichloroethane	5.11	62	22488	7.846	ug/l	95
43) Isopropyl Acetate	7.11	43	8948	6.606	ug/l #	64
44) Trichloroethene	5.67	130	12913	6.561	ug/l	92
45) 1,2-Dichloropropane	6.40	63	8384	5.421	ug/l	97
46) Dibromomethane	6.24	93	8273	6.669	ug/l #	82
47) Bromodichloromethane	6.54	83	23227	7.414	ug/l #	86
48) Methyl methacrylate	6.86	41	6608	7.201	ug/l #	67
49) 1,4-Dioxane	6.85	88	1033	130.947	ug/l #	77
51) 4-Methyl-2-Pentanone	8.40	43	28658	30.328	ug/l #	84
52) Toluene	7.78	92	22995	5.779	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	16769	6.891	ug/l #	81
54) cis-1,3-Dichloropropene	7.45	75	17822	6.289	ug/l	89
55) 1,1,2-Trichloroethane	8.63	97	6404	5.237	ug/l	91
56) Ethyl methacrylate	8.75	69	7340	5.188	ug/l #	89
57) 1,3-Dichloropropane	9.00	76	12066	5.730	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	4841	33.671	ug/l	100
59) 2-Hexanone	9.63	43	22238	32.535	ug/l	88
60) Dibromochloromethane	8.85	129	12635	6.583	ug/l	91
61) 1,2-Dibromoethane	9.13	107	8887	6.432	ug/l #	76
64) Tetrachloroethene	8.30	164	10480	6.002	ug/l #	81
65) Chlorobenzene	9.94	112	24650	5.761	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	13382	6.944	ug/l	93
67) Ethyl Benzene	10.03	91	55373	6.860	ug/l	95
68) m/p-Xylenes	10.26	106	36003	13.065	ug/l	90
69) o-Xylene	10.82	106	17704	5.908	ug/l	90
70) Styrene	10.90	104	26438	6.129	ug/l #	89
71) Bromoform	10.88	173	6550	6.704	ug/l #	88
73) Isopropylbenzene	11.23	105	64116	5.720	ug/l	99
74) N-amyl acetate	11.46	43	12519	5.131	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	9545	5.066	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	7992	5.487	ug/l	75
77) Bromobenzene	11.59	156	12399	4.977	ug/l	63
78) n-propylbenzene	11.68	91	81319	6.091	ug/l	95
79) 2-Chlorotoluene	11.81	91	45609	5.835	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	60057	6.386	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	4983	7.847	ug/l #	81
82) 4-Chlorotoluene	11.99	91	48702	6.040	ug/l	100
83) tert-Butylbenzene	12.21	119	58300	6.167	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	59460	6.228	ug/l	98
85) sec-Butylbenzene	12.39	105	79438	6.196	ug/l	98
86) p-Isopropyltoluene	12.54	119	67125	6.377	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	29695	6.258	ug/l	94
88) 1,4-Dichlorobenzene	12.65	146	28446	6.182	ug/l	90
89) n-Butylbenzene	12.91	91	73664	6.688	ug/l	93
90) Hexachloroethane	12.99	117	16634	6.609	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	27529	6.027	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	2358	5.896	ug/l	79

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF102518\
Data File : VF060505.D
Acq On : 25 Oct 2018 14:08
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00/5mL/MSVOA_F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: Oct 26 00:33:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 26 00:30:37 2018
Response via : Initial Calibration

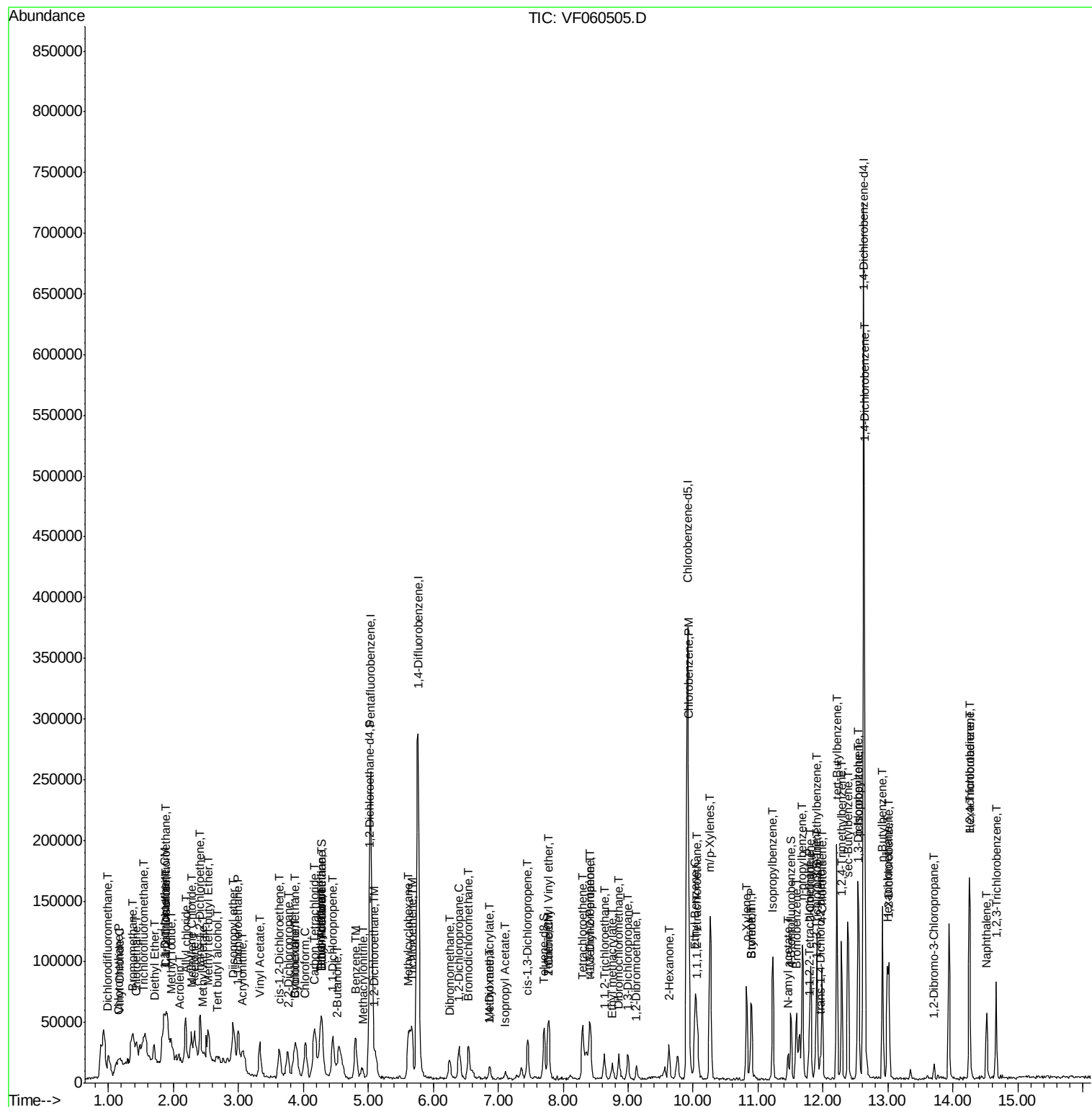
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	22074	6.258	ug/l	97
94) Hexachlorobutadiene	14.25	225	16428	6.850	ug/l	96
95) Naphthalene	14.52	128	34409	5.675	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	18122	5.514	ug/l	99

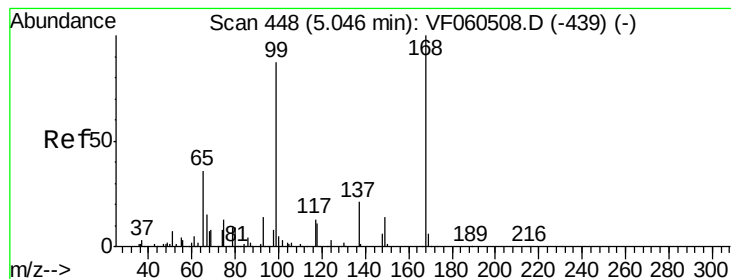
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF102518\
Data File : VF060505.D
Acq On : 25 Oct 2018 14:08
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00/5mL/MSVOA_F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Quant Time: Oct 26 00:33:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 26 00:30:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

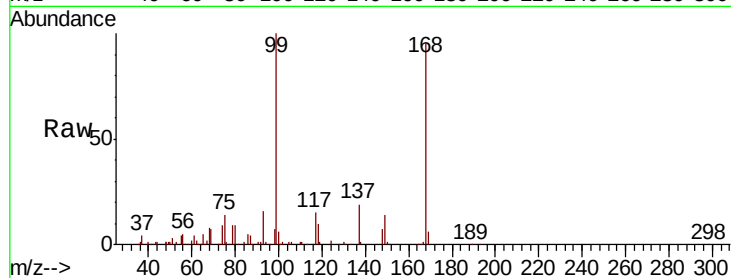
VSTDIC005

Tgt Ion:168 Resp: 174129

Ion Ratio Lower Upper

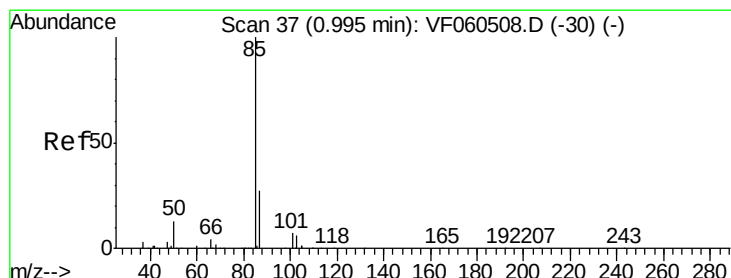
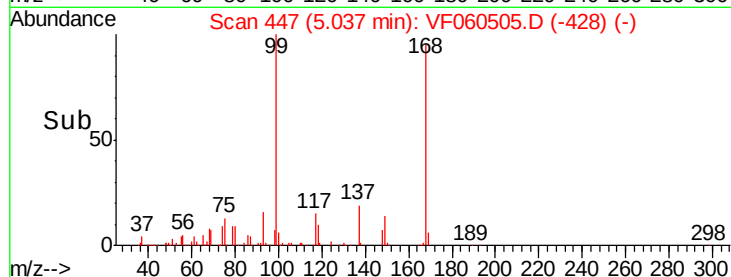
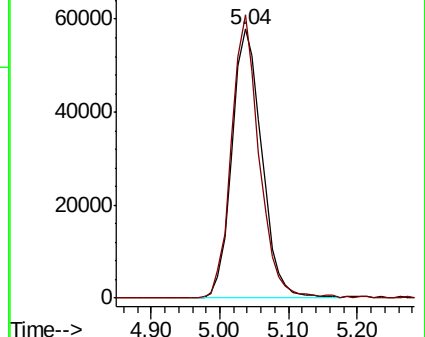
168 100

99 105.3 69.9 104.9#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 8.094 ug/l

RT: 1.00 min Scan# 38

Delta R.T. 0.01 min

Lab File: VF060505.D

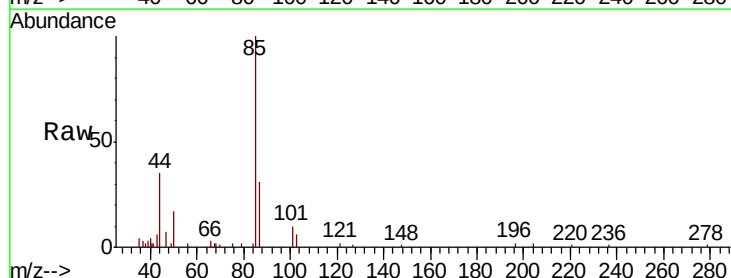
Acq: 25 Oct 2018 14:08

Tgt Ion: 85 Resp: 27695

Ion Ratio Lower Upper

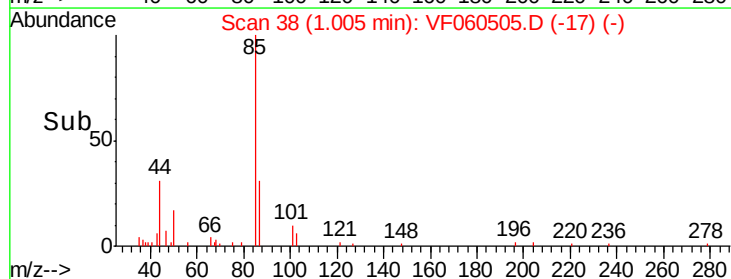
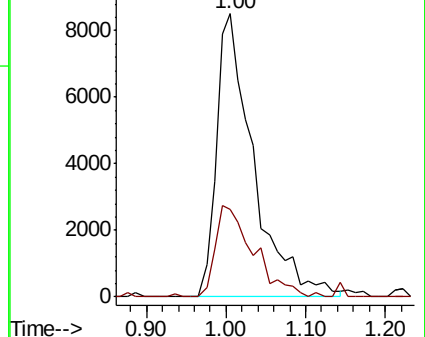
85 100

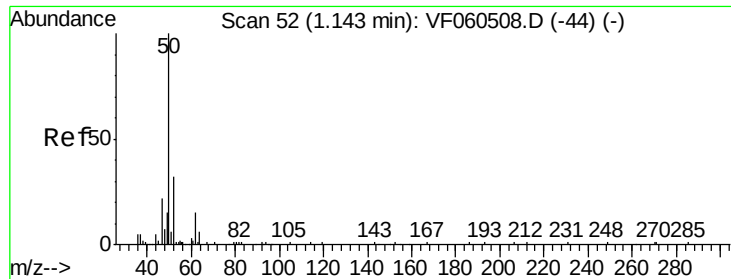
87 30.7 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 6.003 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

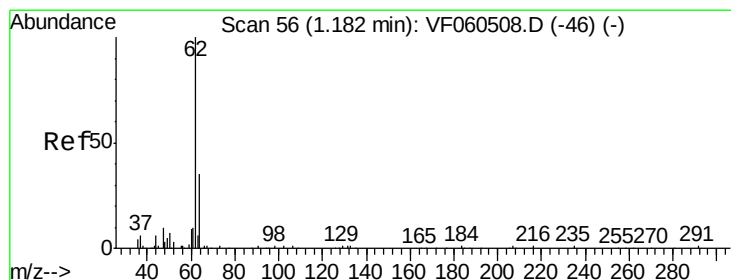
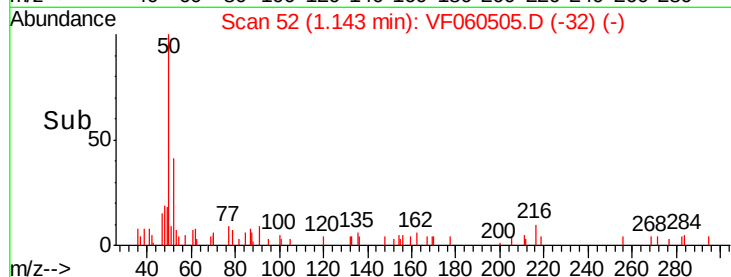
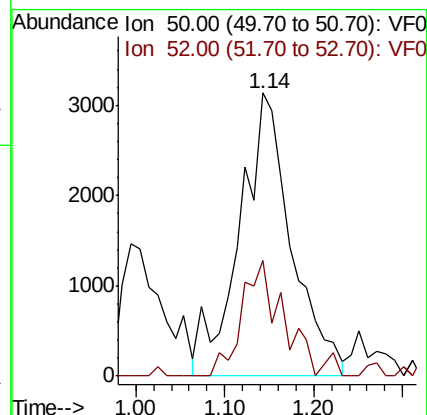
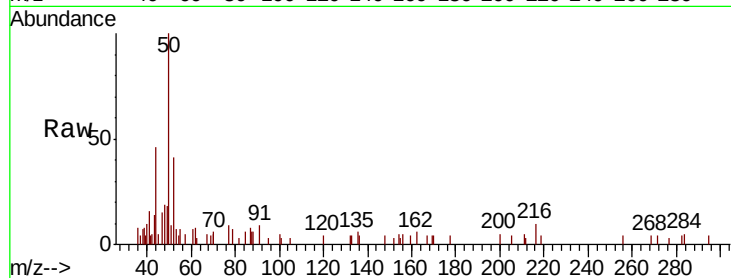
VSTDIC005

Tgt Ion: 50 Resp: 12708

Ion Ratio Lower Upper

50 100

52 41.0 24.5 36.7#



#4

Vinyl Chloride

Concen: 5.780 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060505.D

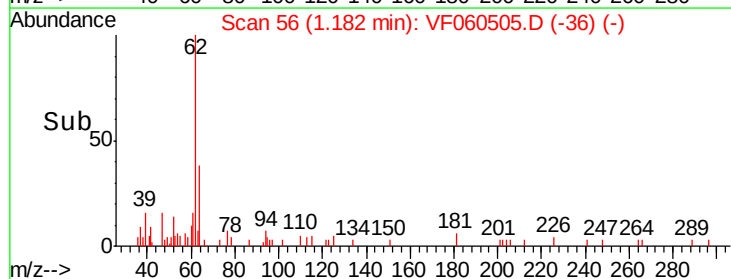
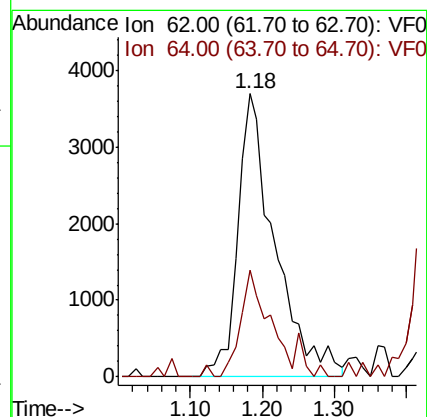
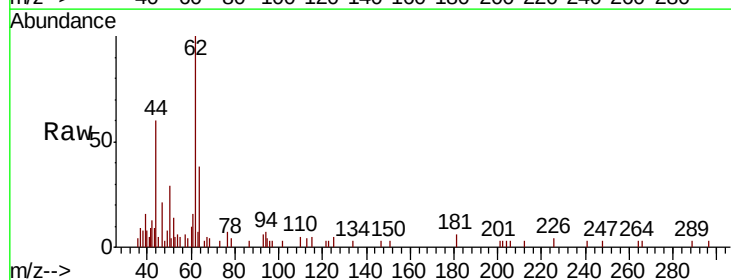
Acq: 25 Oct 2018 14:08

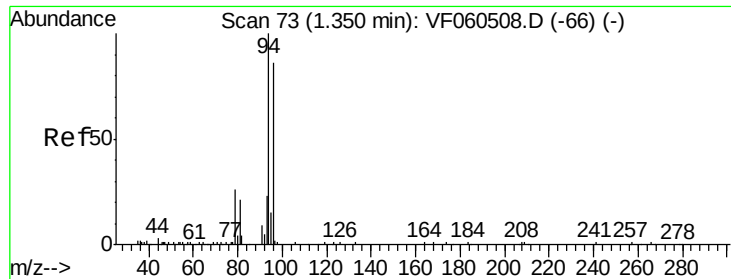
Tgt Ion: 62 Resp: 13271

Ion Ratio Lower Upper

62 100

64 37.9 27.8 41.8





#5

Bromomethane

Concen: 7.777 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

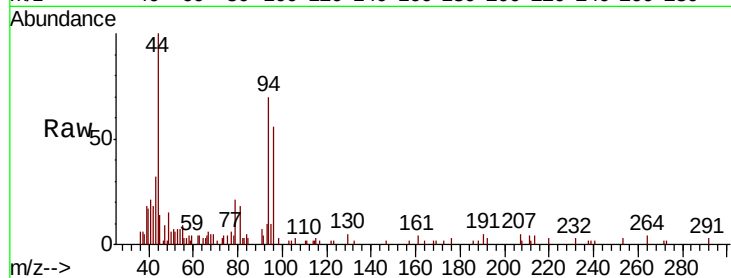
VSTDIC005

Tgt Ion: 94 Resp: 14044

Ion Ratio Lower Upper

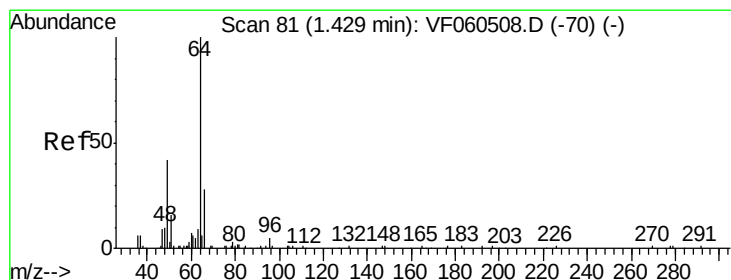
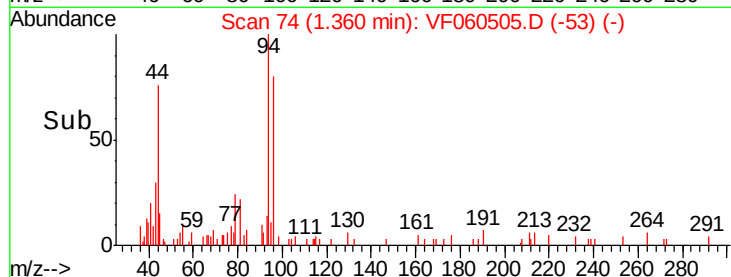
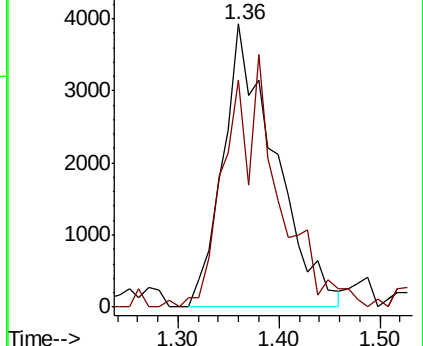
94 100

96 80.3 70.6 105.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 7.818 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060505.D

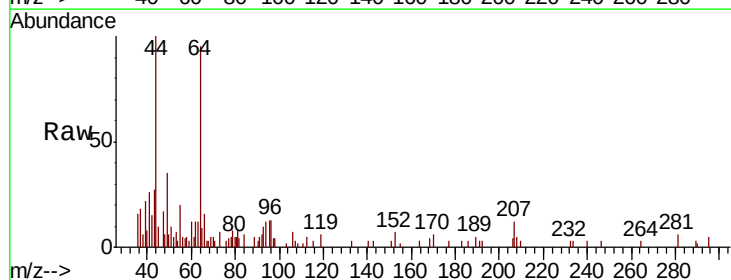
Acq: 25 Oct 2018 14:08

Tgt Ion: 64 Resp: 9489

Ion Ratio Lower Upper

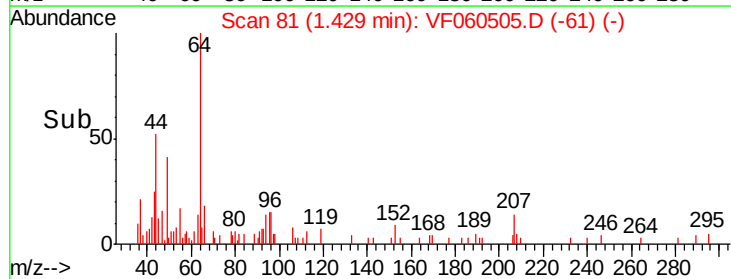
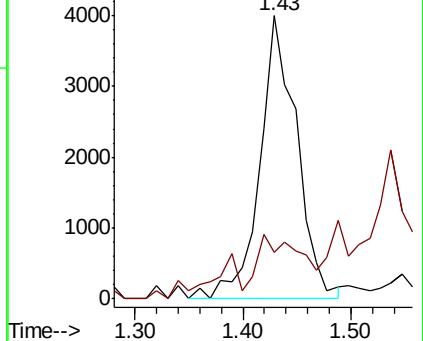
64 100

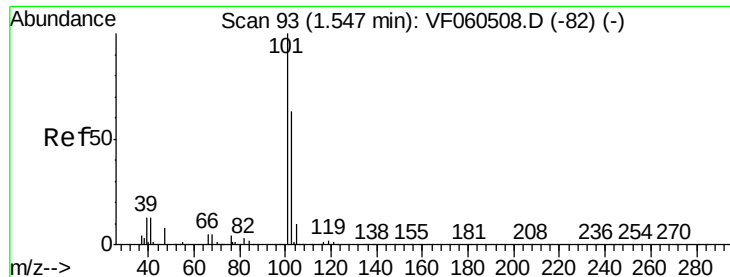
66 16.4 22.4 33.6#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 8.340 ug/l

RT: 1.54 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

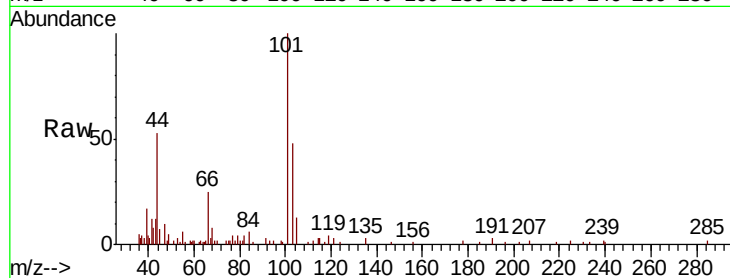
VSTDIC005

Tgt Ion:101 Resp: 42922

Ion Ratio Lower Upper

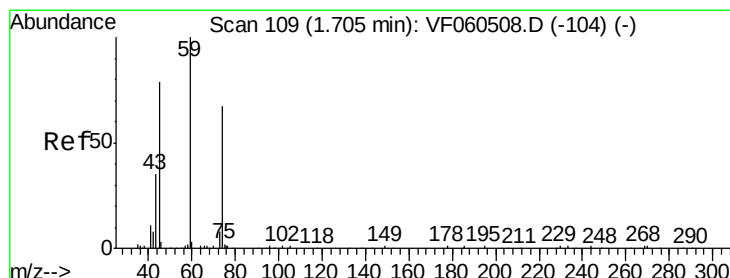
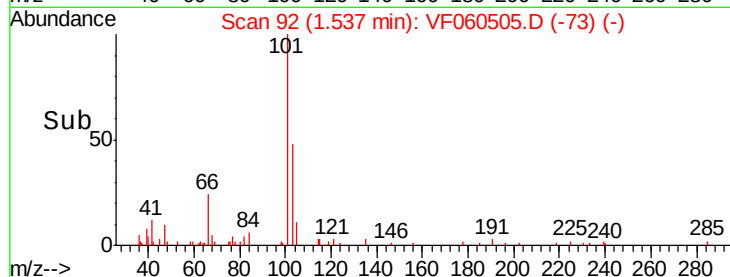
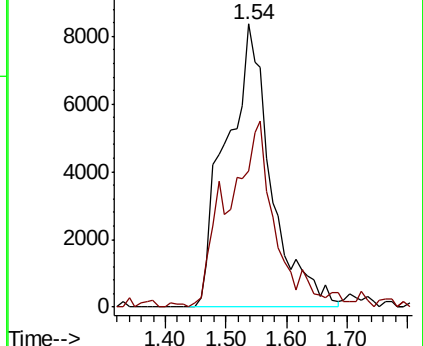
101 100

103 48.2 50.4 75.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 6.031 ug/l

RT: 1.70 min Scan# 109

Delta R.T. 0.00 min

Lab File: VF060505.D

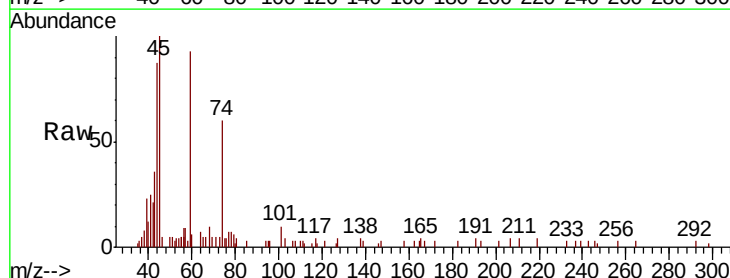
Acq: 25 Oct 2018 14:08

Tgt Ion: 74 Resp: 4441

Ion Ratio Lower Upper

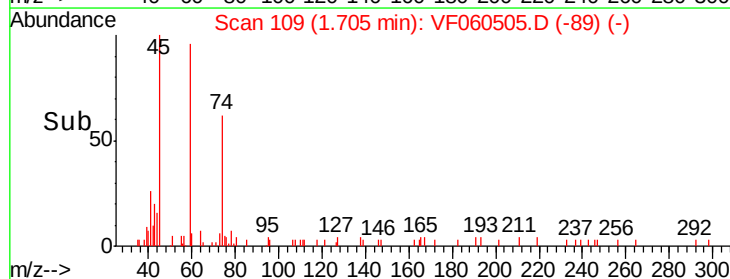
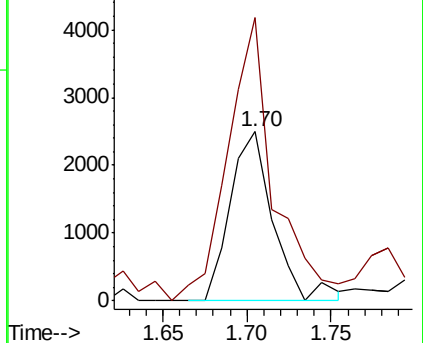
74 100

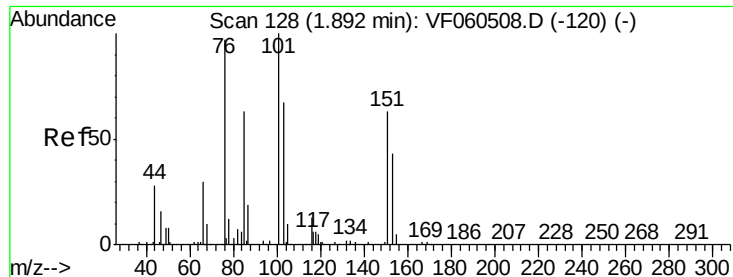
45 167.4 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.494 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

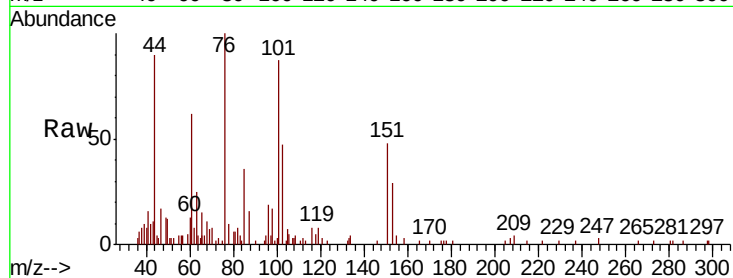
Tgt Ion:101 Resp: 19293

Ion Ratio Lower Upper

101 100

85 41.0 49.9 74.9#

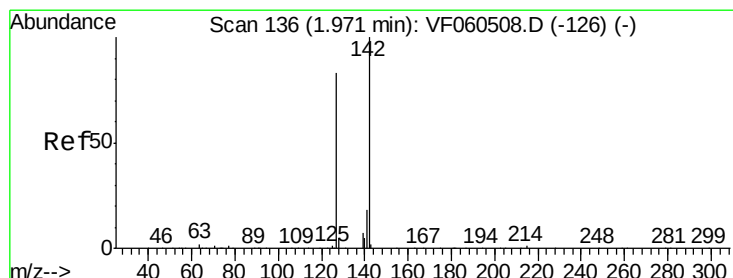
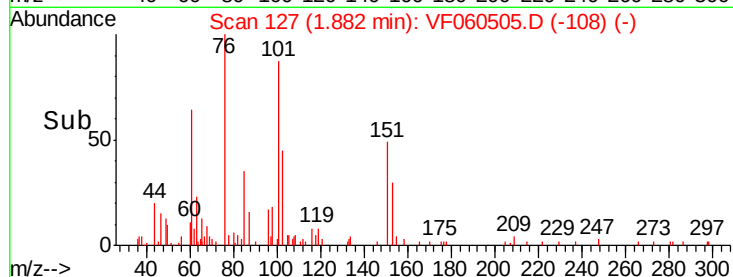
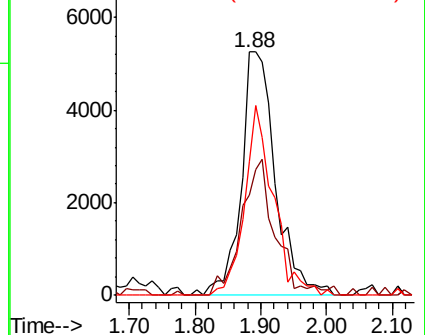
151 54.6 50.6 76.0



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: 6.578 ug/l

RT: 1.96 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

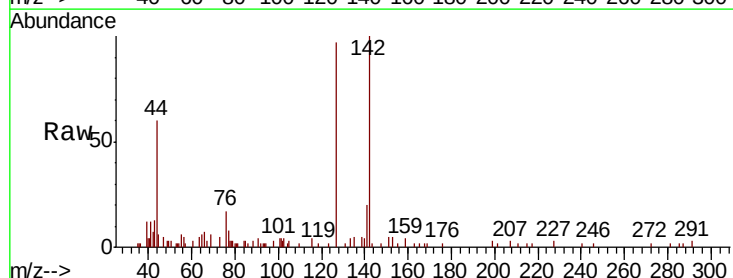
Tgt Ion:142 Resp: 26850

Ion Ratio Lower Upper

142 100

127 97.4 66.5 99.7

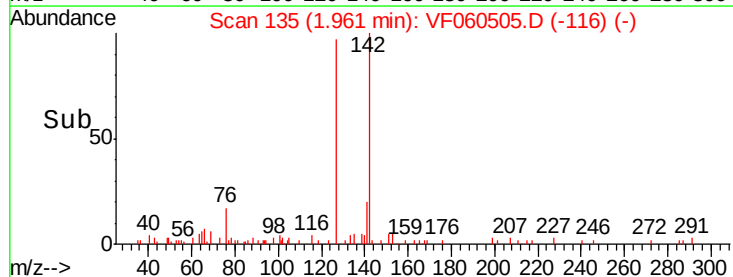
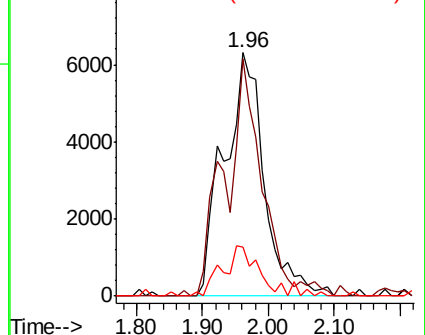
141 20.1 14.2 21.4

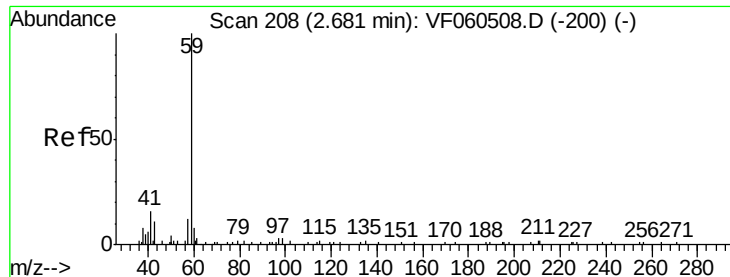


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



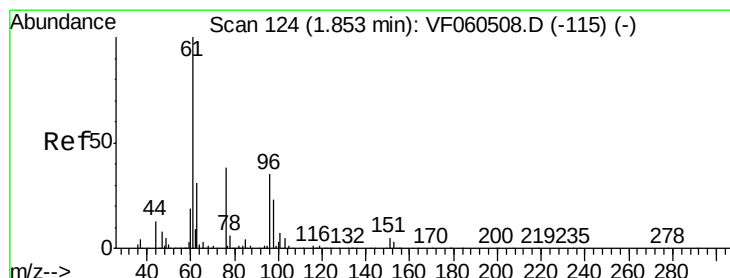
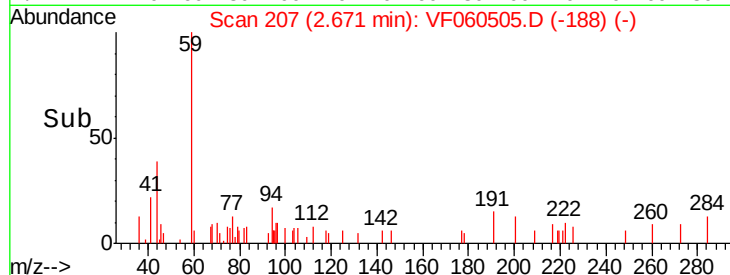
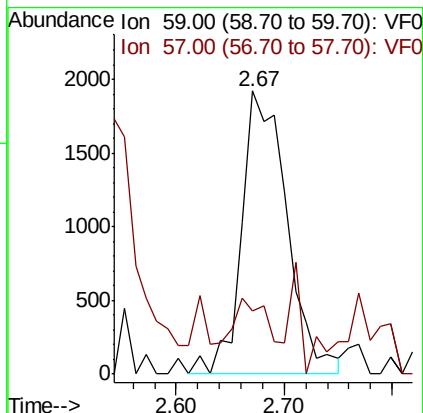
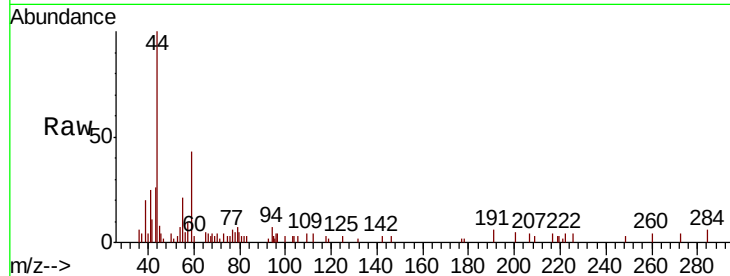


#11

Tert butyl alcohol
 Concen: 40.543 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

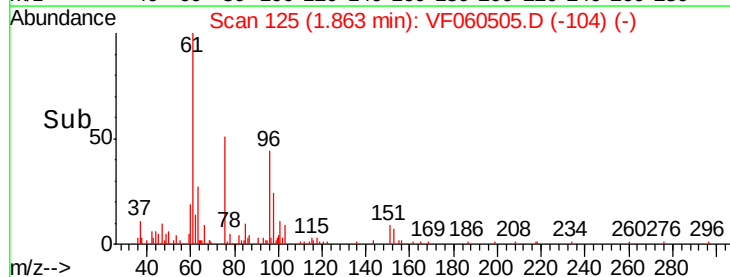
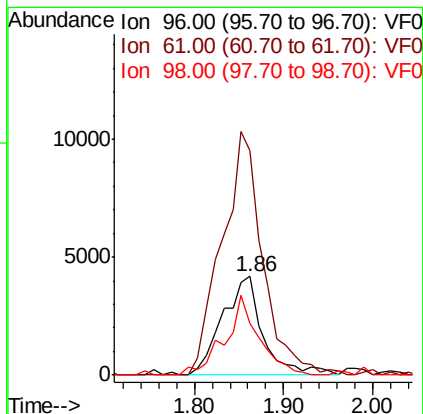
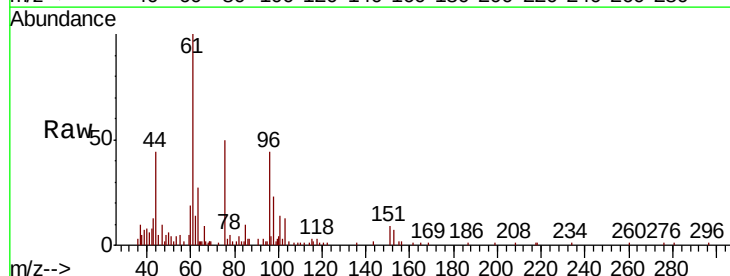
Tgt Ion: 59 Resp: 5610
 Ion Ratio Lower Upper
 59 100
 57 22.2 15.8 23.8

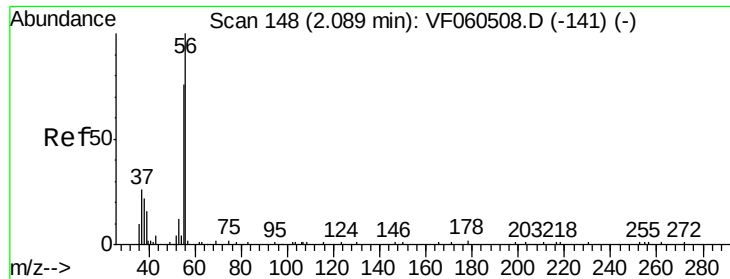


#12

1,1-Dichloroethene
 Concen: 6.154 ug/l
 RT: 1.86 min Scan# 125
 Delta R.T. 0.01 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Tgt Ion: 96 Resp: 13235
 Ion Ratio Lower Upper
 96 100
 61 226.7 231.4 347.0#
 98 52.5 53.3 79.9#

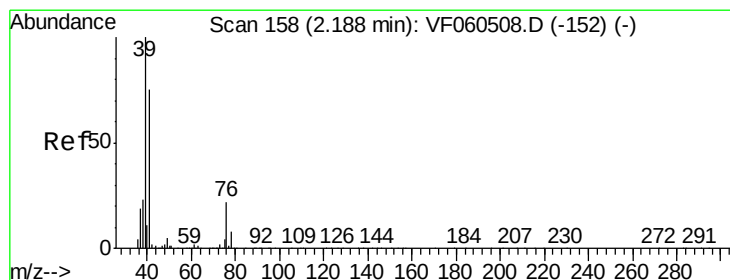
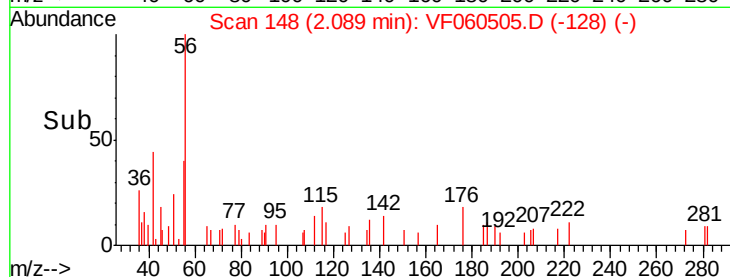
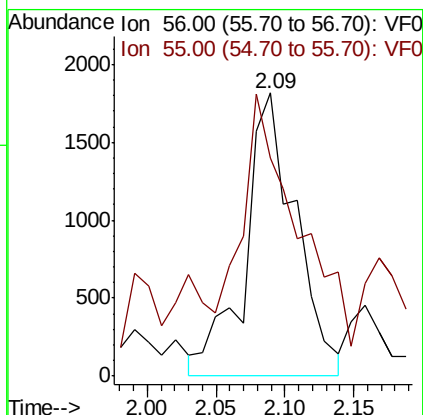
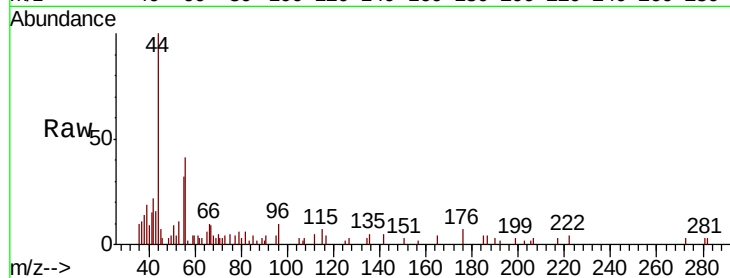




#13
Acrolein
Concen: 53.779 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

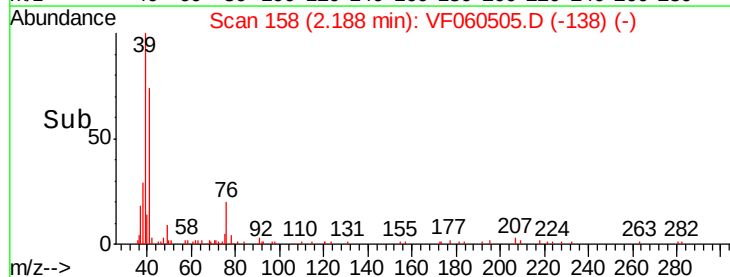
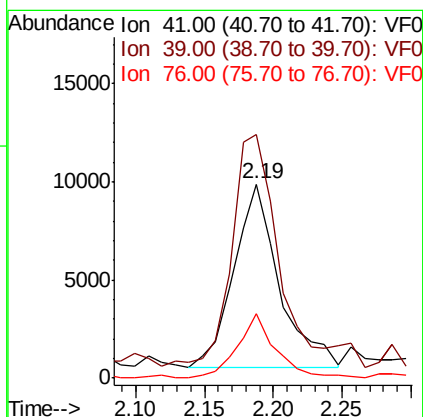
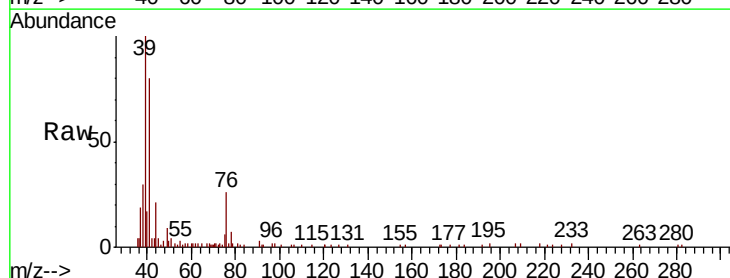
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

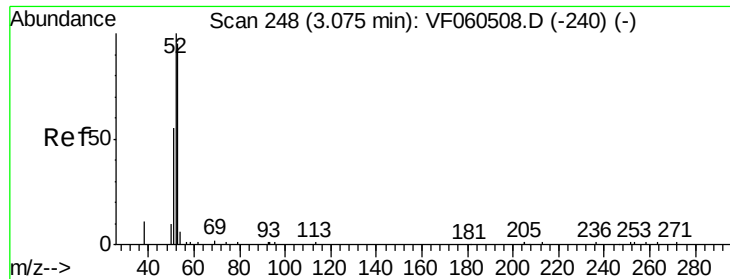
Tgt Ion: 56 Resp: 4611
Ion Ratio Lower Upper
56 100
55 76.9 63.0 94.4



#14
Allyl chloride
Concen: 6.798 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Tgt Ion: 41 Resp: 21548
Ion Ratio Lower Upper
41 100
39 125.6 106.0 159.0
76 32.9 24.1 36.1





#15

Acrylonitrile

Concen: 35.657 ug/l

RT: 3.08 min Scan# 248

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

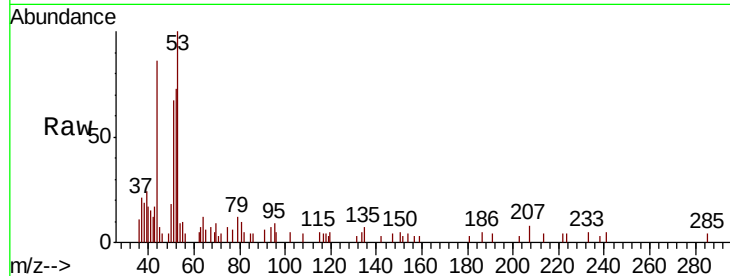
Tgt Ion: 53 Resp: 10387

Ion Ratio Lower Upper

53 100

52 73.0 84.0 126.0#

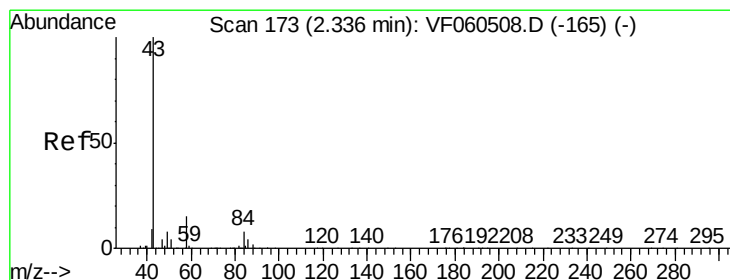
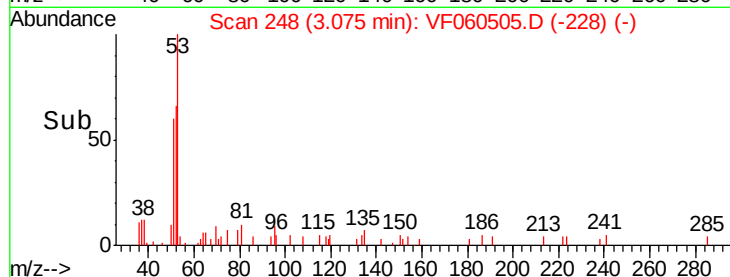
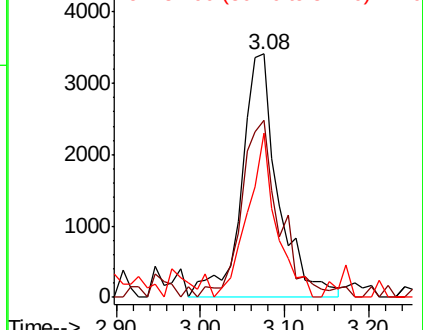
51 67.3 48.6 73.0



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: 38.221 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF060505.D

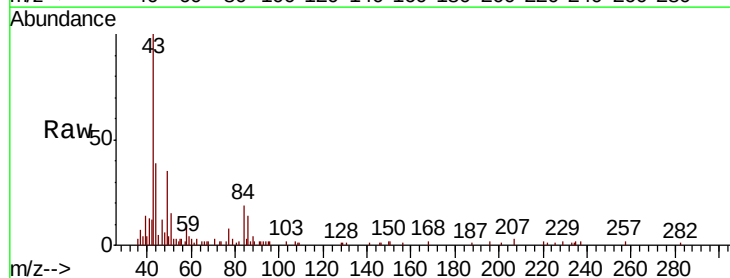
Acq: 25 Oct 2018 14:08

Tgt Ion: 43 Resp: 22117

Ion Ratio Lower Upper

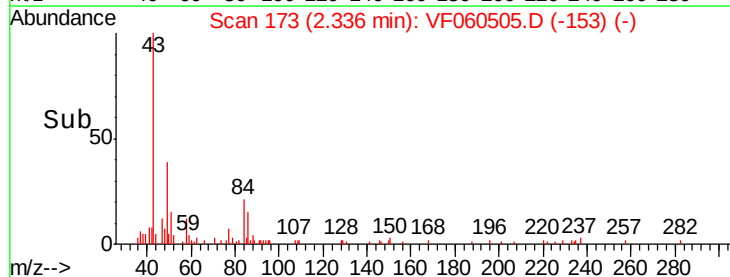
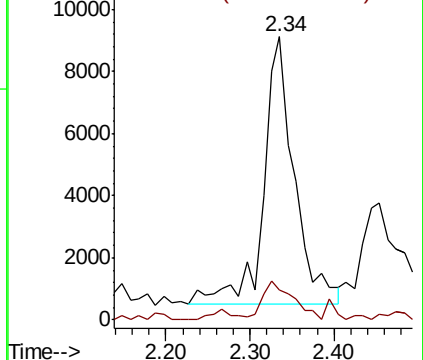
43 100

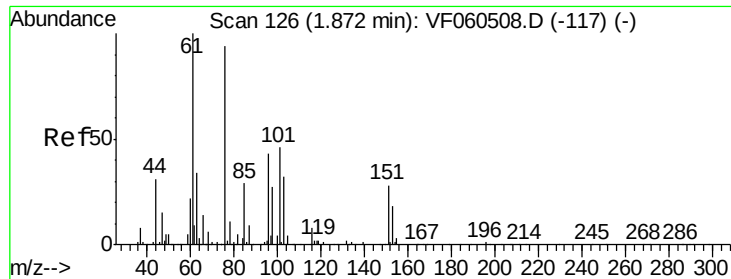
58 10.4 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

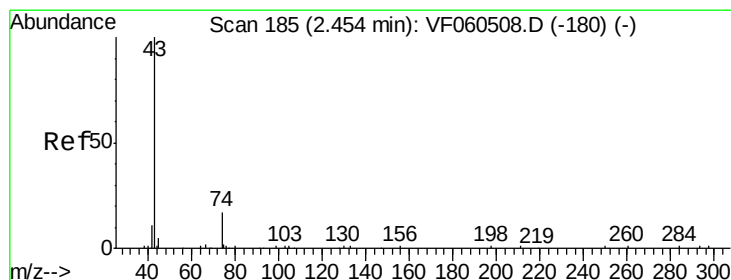
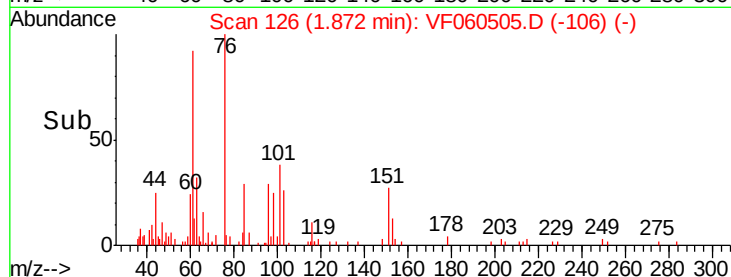
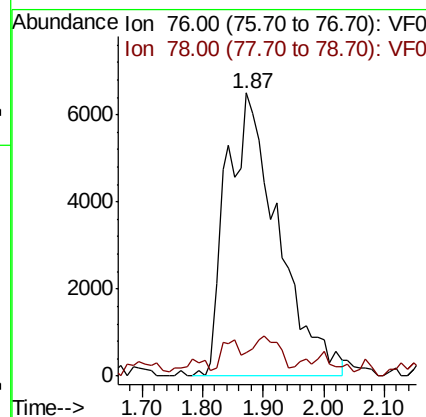
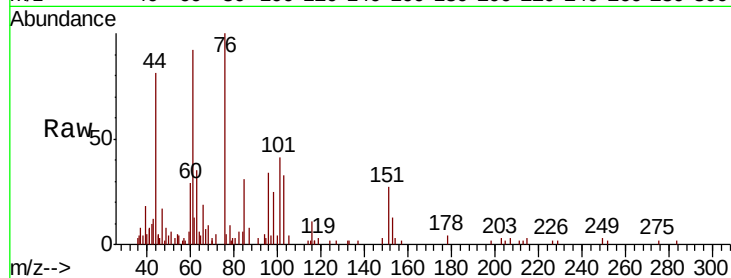




#17
Carbon Disulfide
Concen: 6.460 ug/l
RT: 1.87 min Scan# 126
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

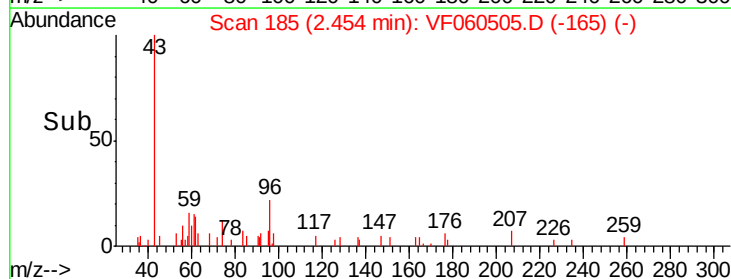
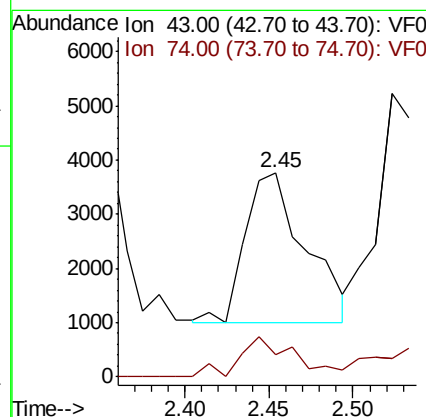
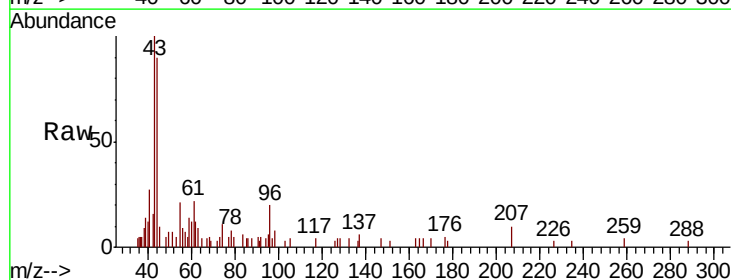
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

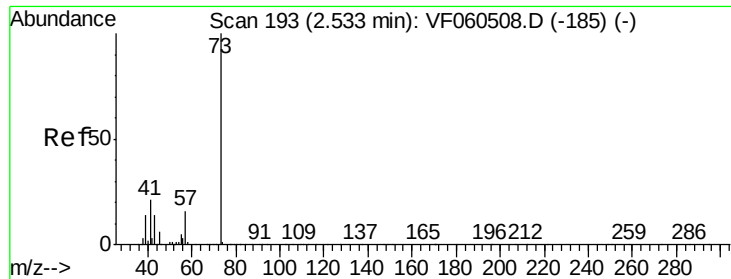
Tgt Ion: 76 Resp: 38631
Ion Ratio Lower Upper
76 100
78 8.5 9.2 13.8#



#18
Methyl Acetate
Concen: 6.247 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Tgt Ion: 43 Resp: 6851
Ion Ratio Lower Upper
43 100
74 10.7 12.1 18.1#





#19

Methyl tert-butyl Ether

Concen: 6.315 ug/l

RT: 2.53 min Scan# 193

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

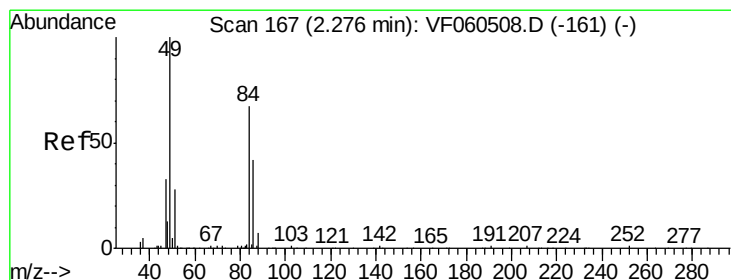
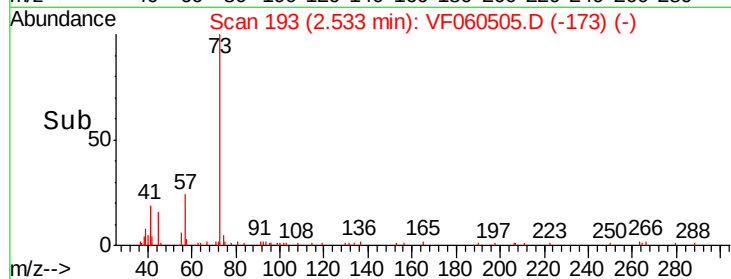
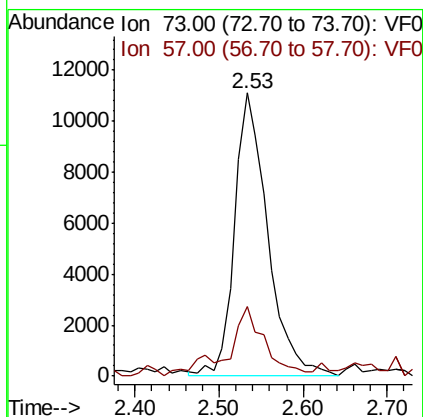
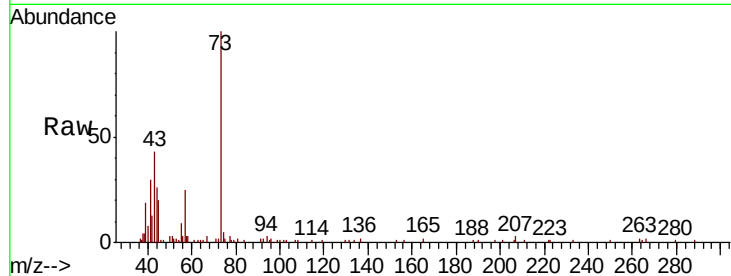
VSTDIC005

Tgt Ion: 73 Resp: 30569

Ion Ratio Lower Upper

73 100

57 24.6 13.3 19.9#



#20

Methylene Chloride

Concen: 3.580 ug/l

RT: 2.28 min Scan# 167

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Tgt Ion: 84 Resp: 7191

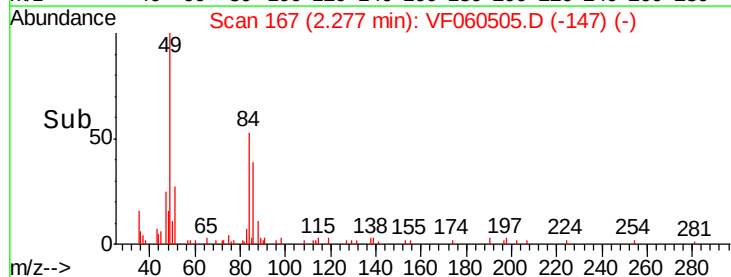
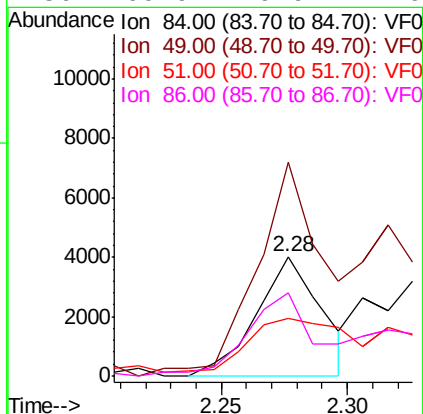
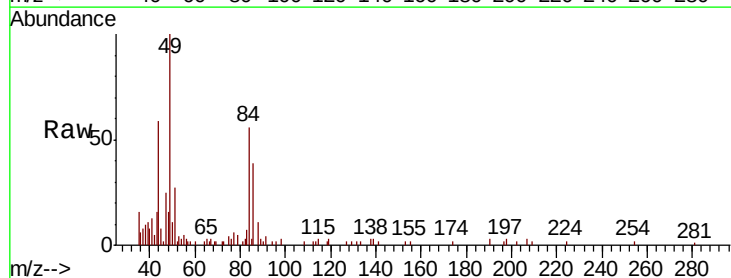
Ion Ratio Lower Upper

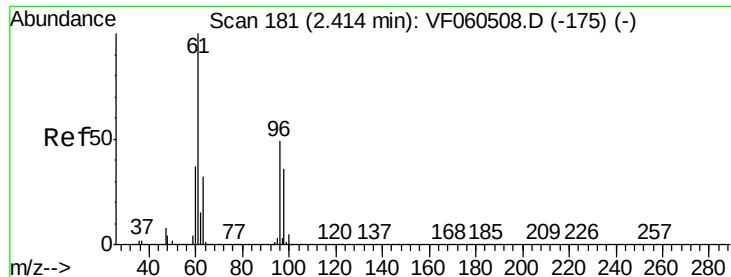
84 100

49 179.4 123.1 184.7

51 48.5 35.3 52.9

86 69.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 6.975 ug/l

RT: 2.41 min Scan# 181

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

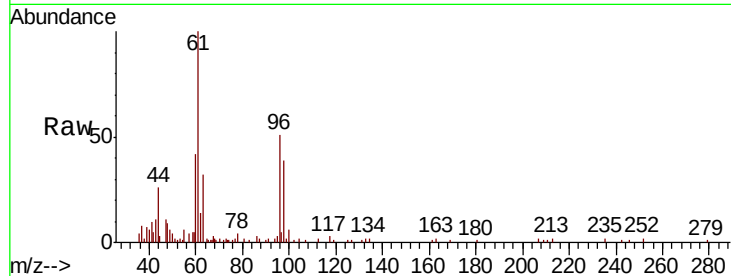
Tgt Ion: 96 Resp: 14000

Ion Ratio Lower Upper

96 100

61 196.0 162.5 243.7

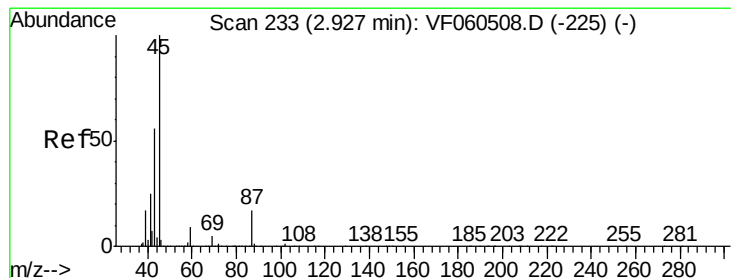
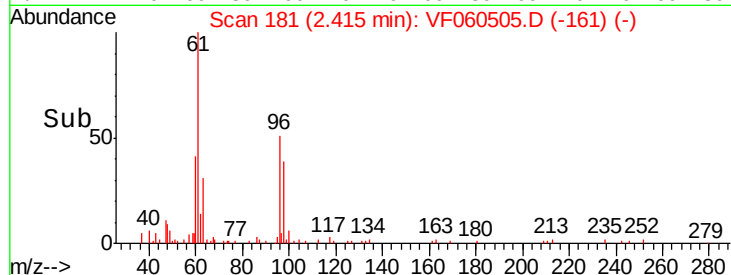
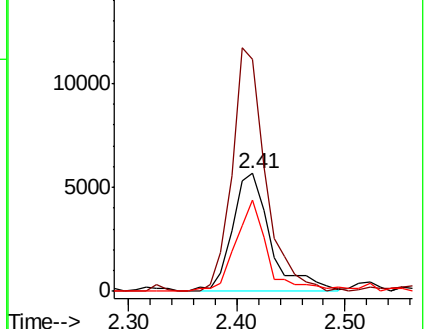
98 76.8 58.5 87.7



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: 5.755 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Tgt Ion: 45 Resp: 37502

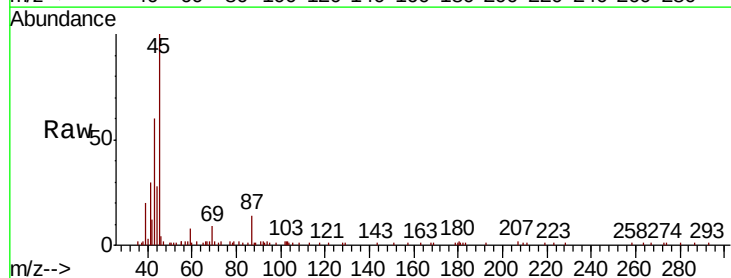
Ion Ratio Lower Upper

45 100

43 60.1 45.2 67.8

87 14.3 13.4 20.2

59 7.9 7.0 10.6

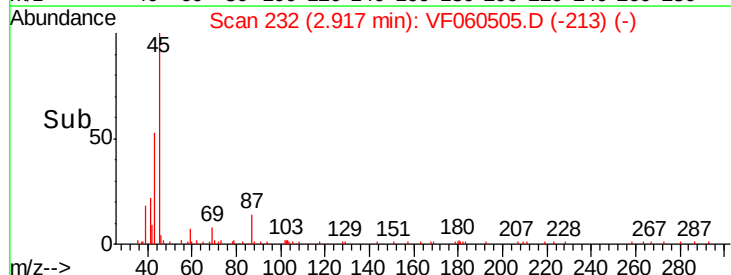
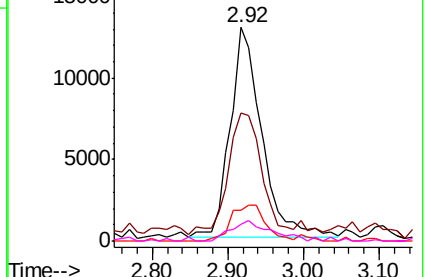


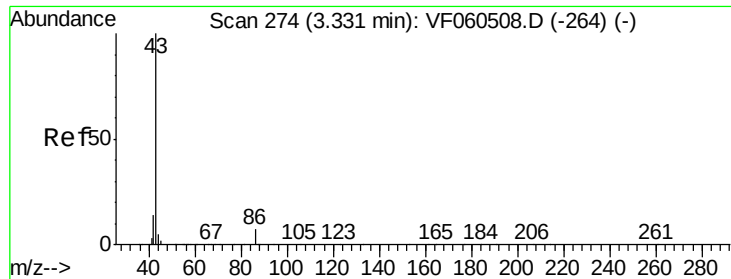
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 24.477 ug/l

RT: 3.33 min Scan# 274

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

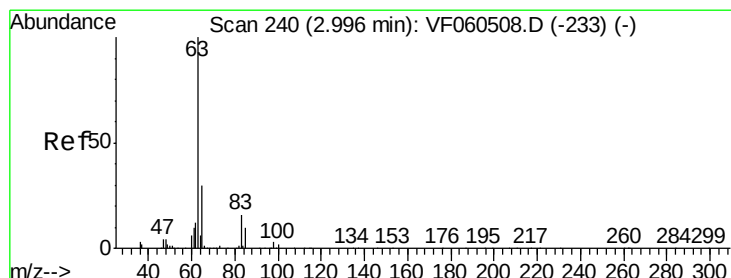
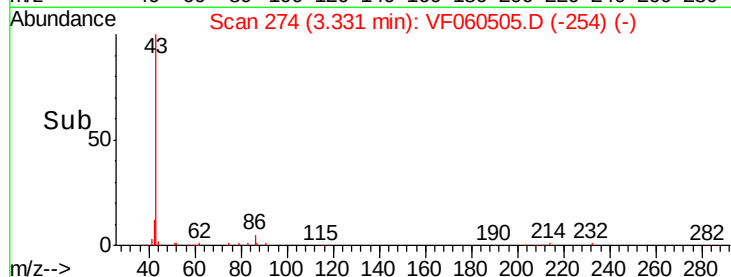
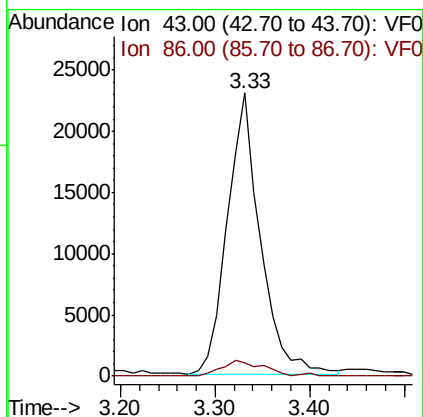
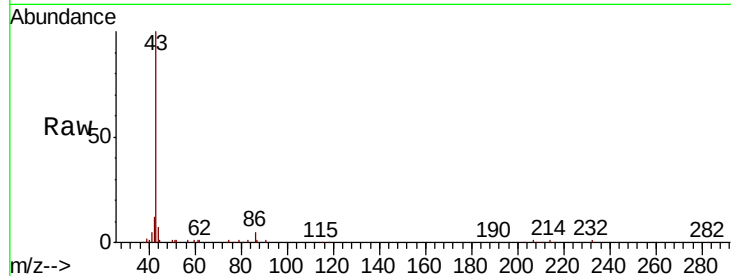
VSTDIC005

Tgt Ion: 43 Resp: 55833

Ion Ratio Lower Upper

43 100

86 4.9 5.3 7.9#



#24

1,1-Dichloroethane

Concen: 6.596 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

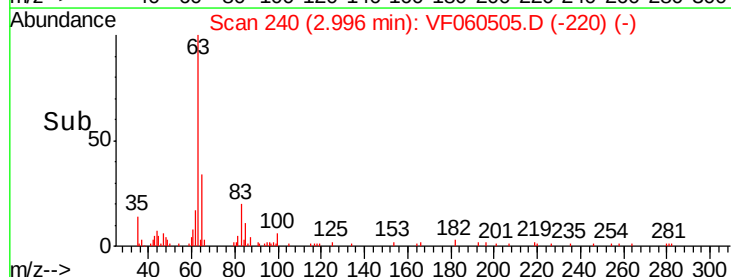
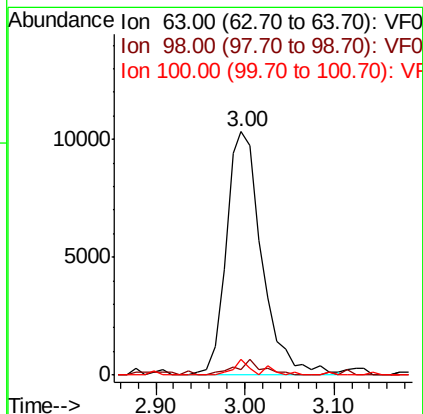
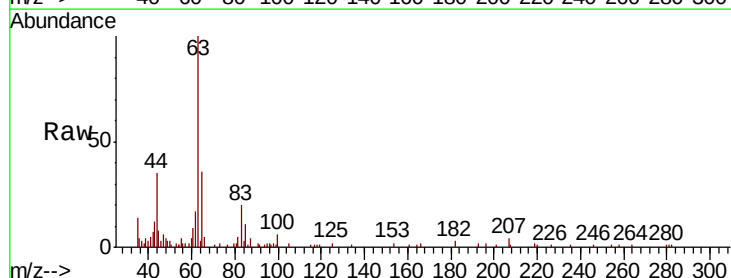
Tgt Ion: 63 Resp: 28844

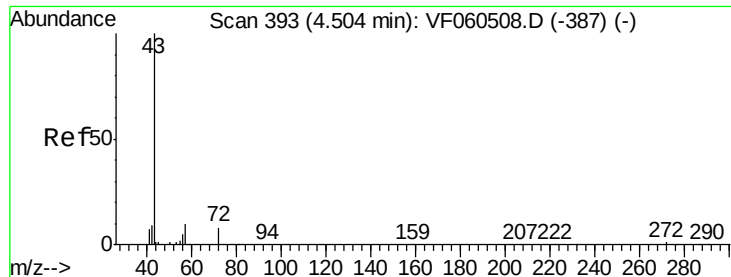
Ion Ratio Lower Upper

63 100

98 2.4 1.7 5.0

100 6.4 1.1 3.3#





#25

2-Butanone

Concen: 26.484 ug/l

RT: 4.51 min Scan# 394

Delta R.T. 0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

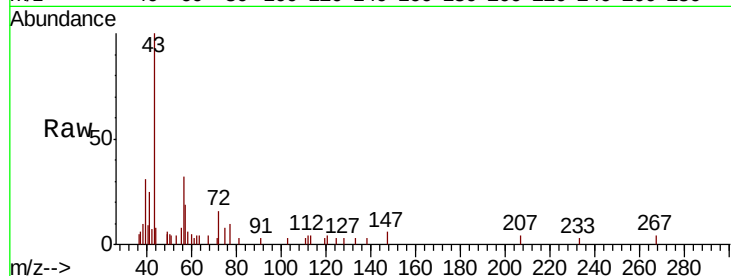
VSTDIC005

Tgt Ion: 43 Resp: 16682

Ion Ratio Lower Upper

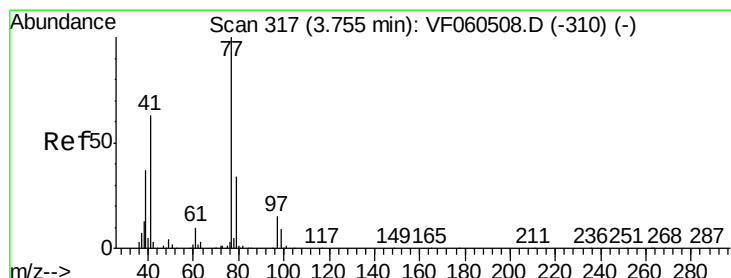
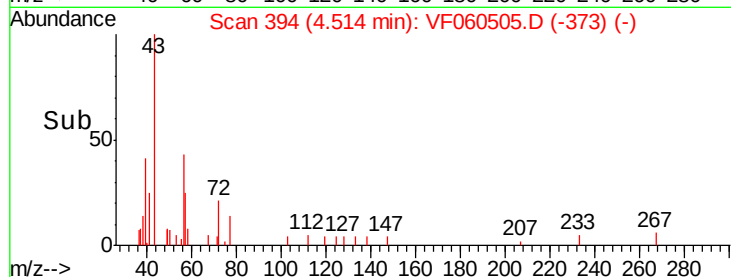
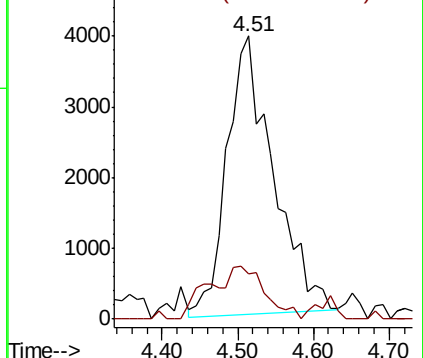
43 100

72 15.9 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 9.208 ug/l

RT: 3.77 min Scan# 318

Delta R.T. 0.01 min

Lab File: VF060505.D

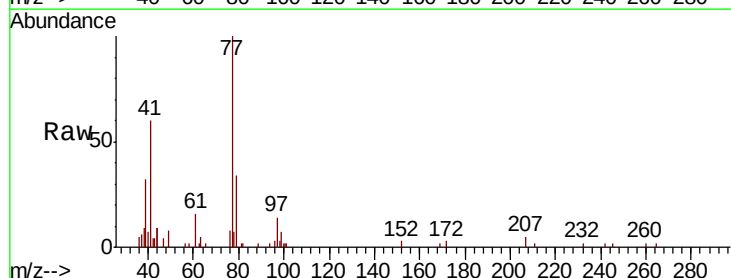
Acq: 25 Oct 2018 14:08

Tgt Ion: 77 Resp: 20995

Ion Ratio Lower Upper

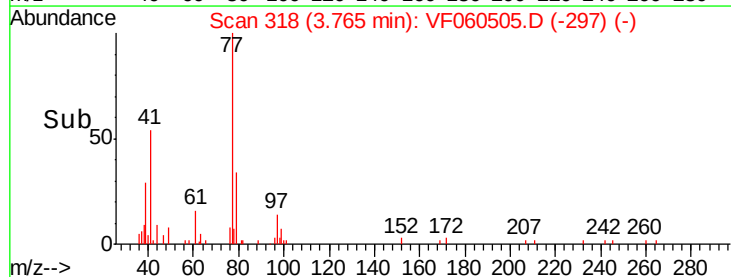
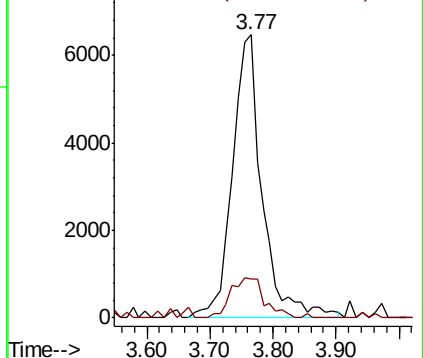
77 100

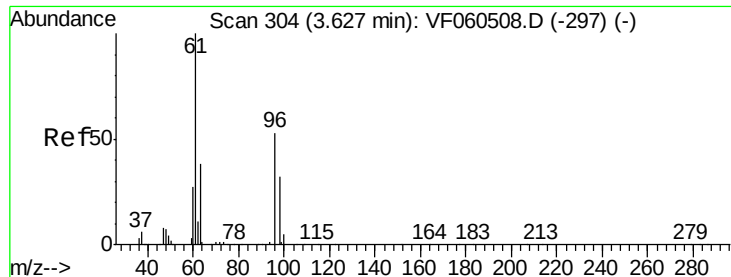
97 13.9 7.9 23.7



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

cis-1,2-Dichloroethene

Concen: 5.036 ug/l

RT: 3.64 min Scan# 305

Delta R.T. 0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

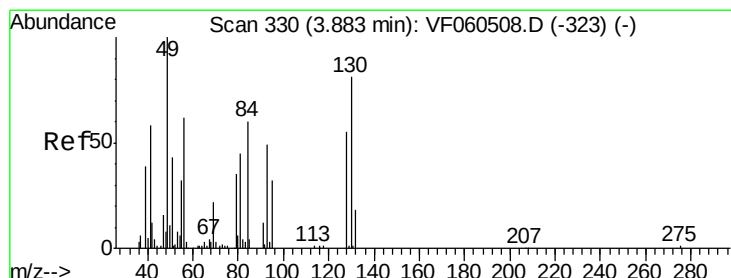
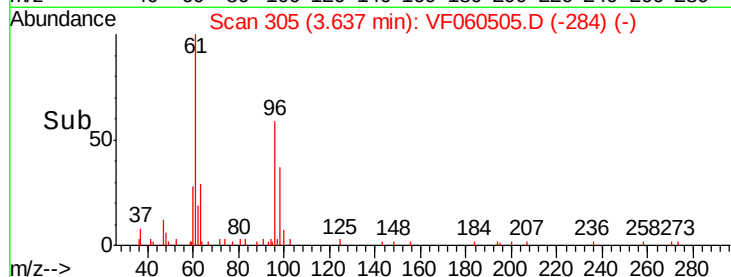
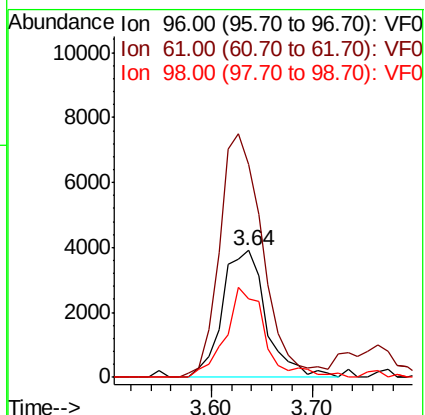
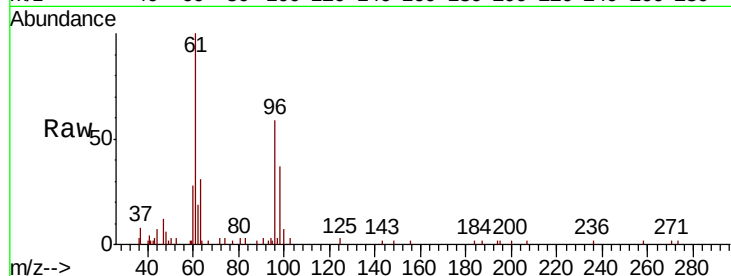
Tgt Ion: 96 Resp: 11799

Ion Ratio Lower Upper

96 100

61 168.2 0.0 377.0

98 62.1 0.0 122.4



#28

Bromochloromethane

Concen: 6.167 ug/l

RT: 3.87 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

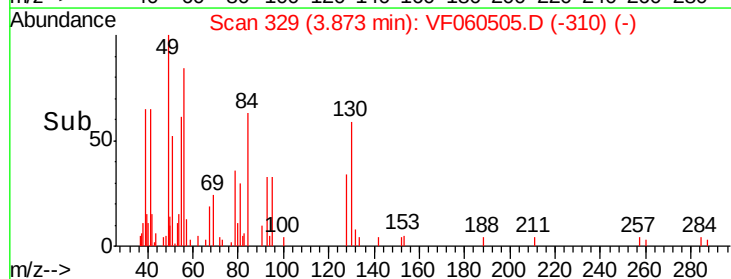
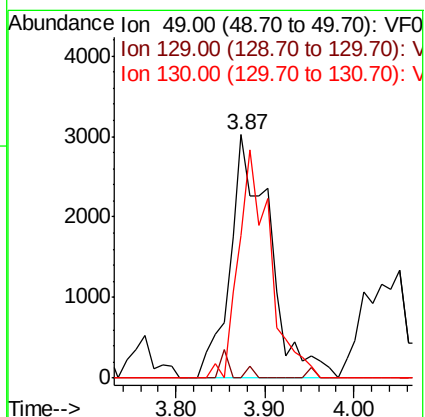
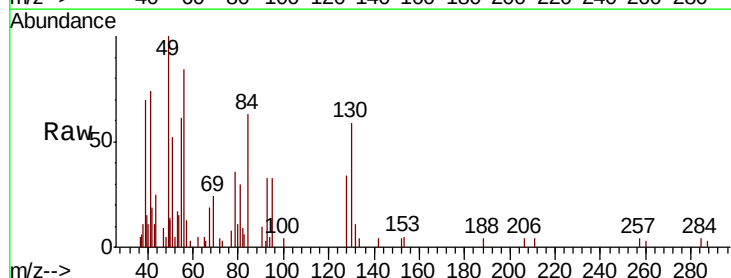
Tgt Ion: 49 Resp: 9367

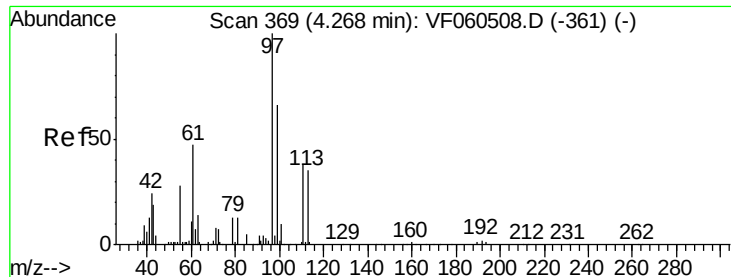
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.0

130 58.6 65.0 97.4#





#29

Tetrahydrofuran

Concen: 32.844 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

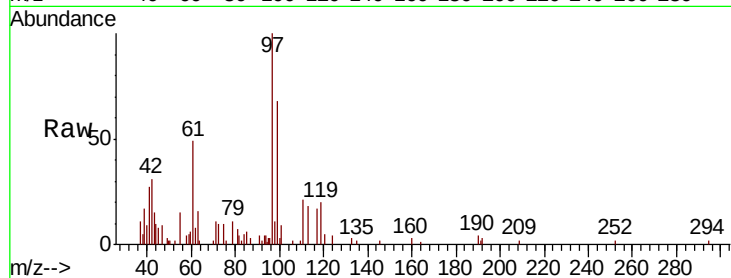
Tgt Ion: 42 Resp: 8721

Ion Ratio Lower Upper

42 100

72 31.8 32.1 48.1#

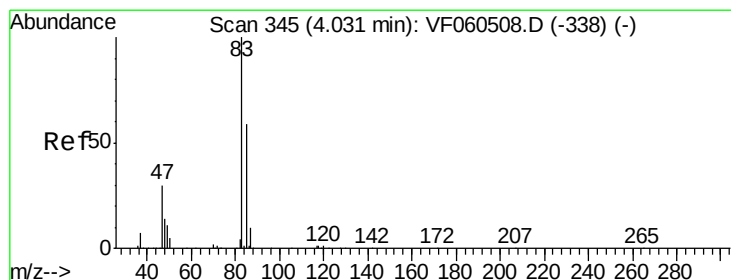
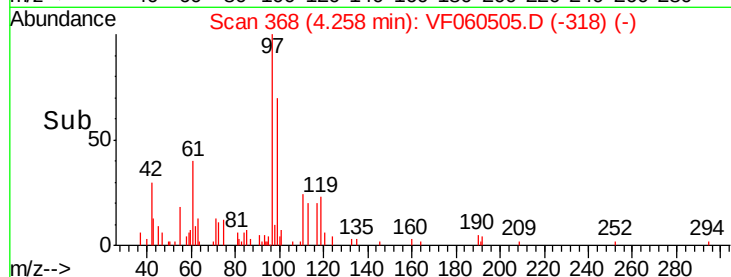
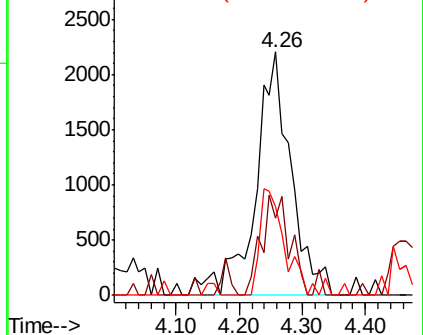
71 30.6 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 7.040 ug/l

RT: 4.03 min Scan# 345

Delta R.T. 0.00 min

Lab File: VF060505.D

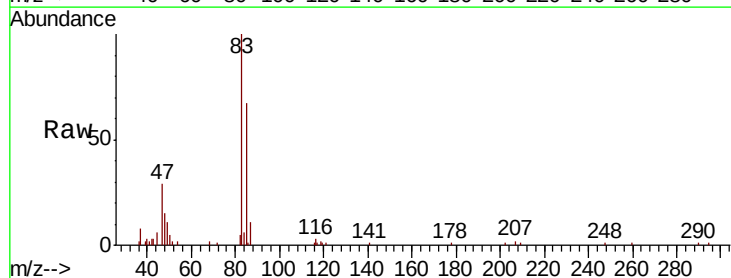
Acq: 25 Oct 2018 14:08

Tgt Ion: 83 Resp: 35625

Ion Ratio Lower Upper

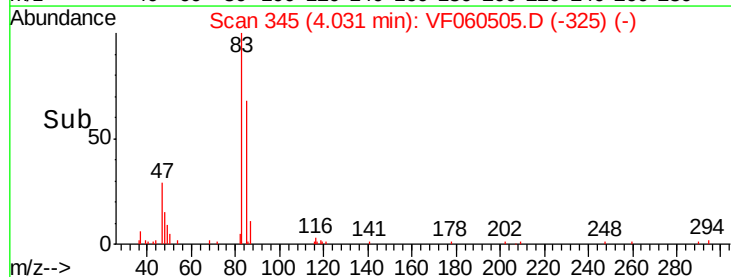
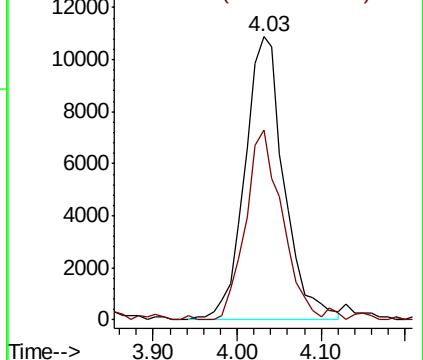
83 100

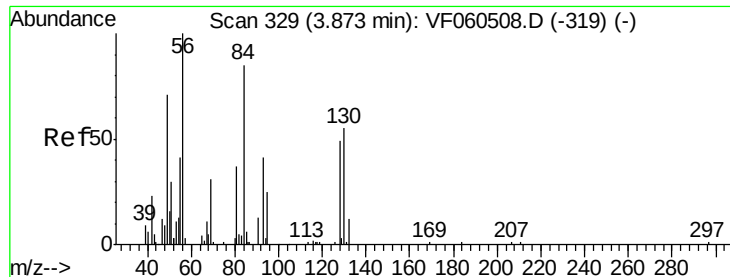
85 67.1 47.4 71.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

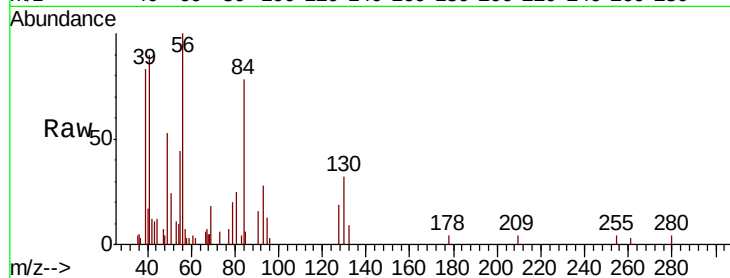




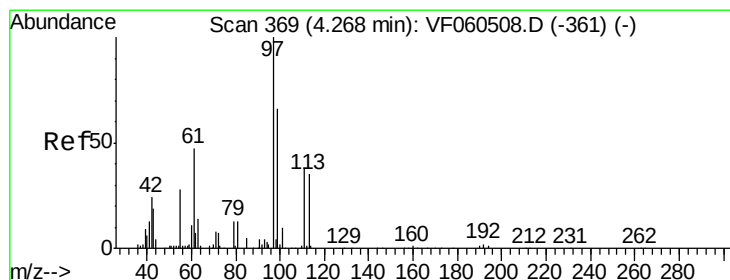
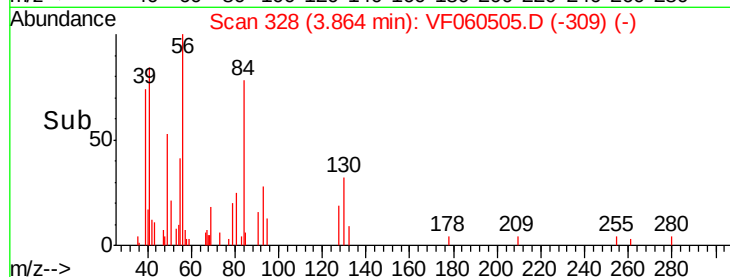
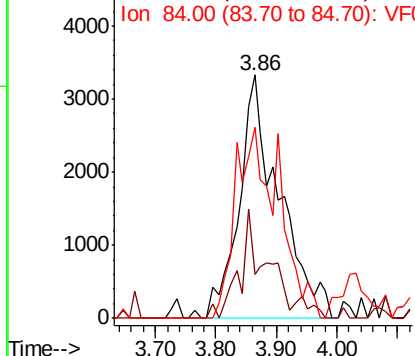
#31
Cyclohexane
Concen: 5.494 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 15370
Ion Ratio Lower Upper
56 100
69 18.2 24.6 37.0#
84 78.4 68.2 102.2

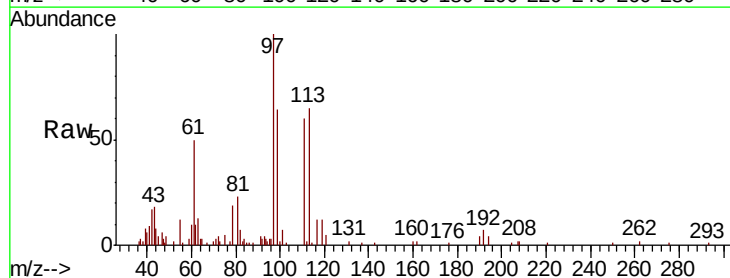


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

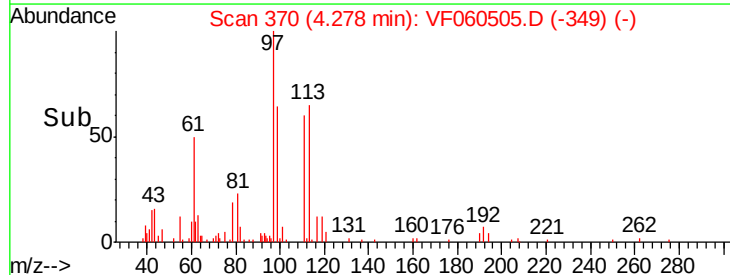
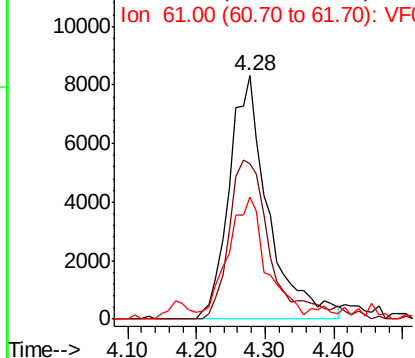


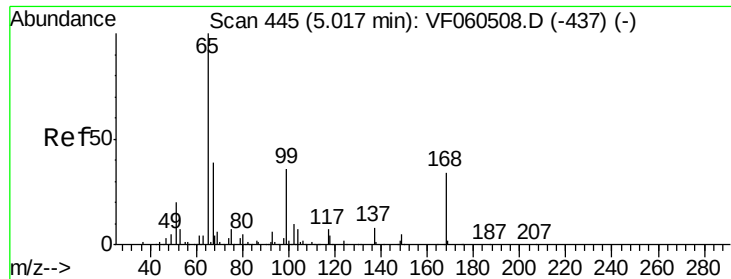
#32
1,1,1-Trichloroethane
Concen: 8.220 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Tgt Ion: 97 Resp: 32770
Ion Ratio Lower Upper
97 100
99 64.0 53.0 79.6
61 50.2 37.9 56.9



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

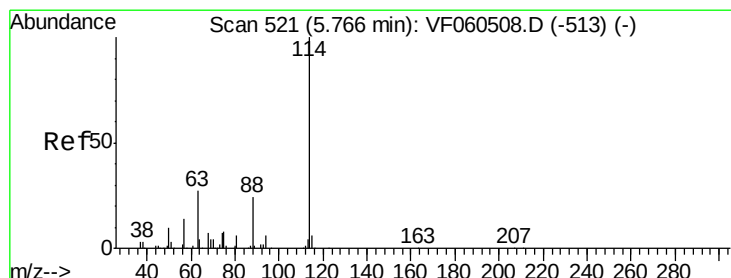
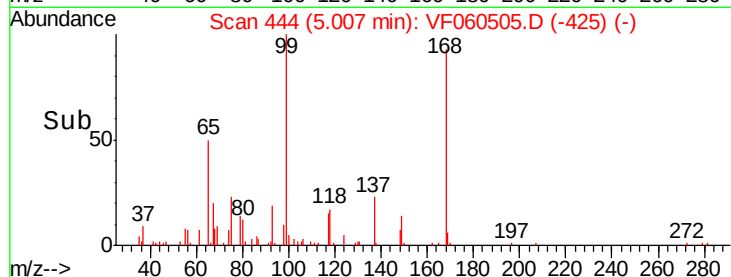
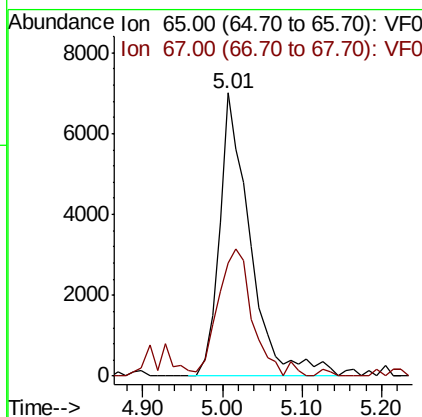
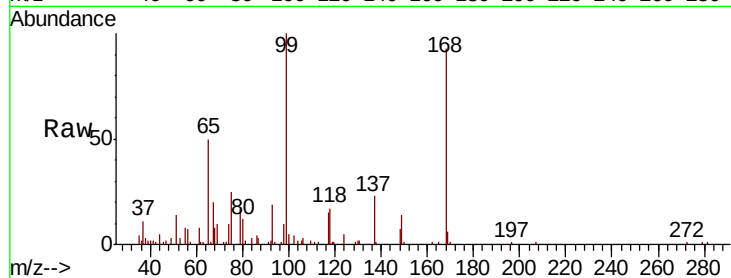




#33
 1,2-Dichloroethane-d4
 Concen: 7.121 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. -0.01 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

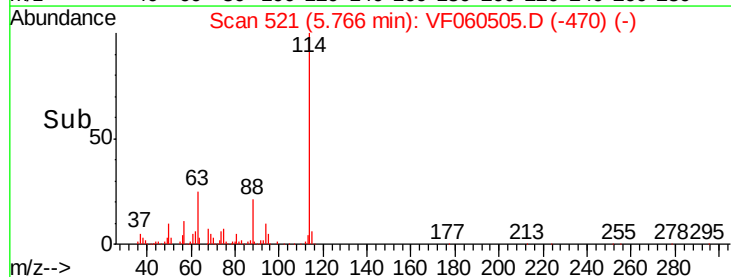
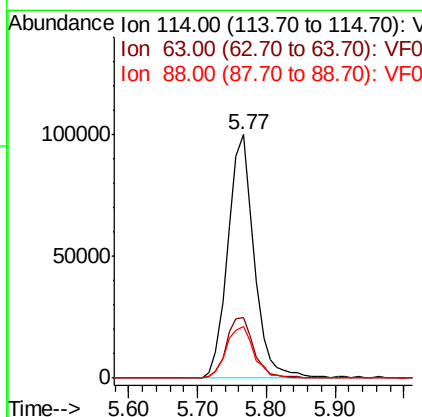
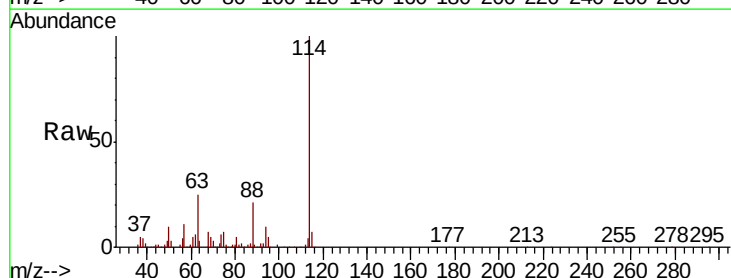
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

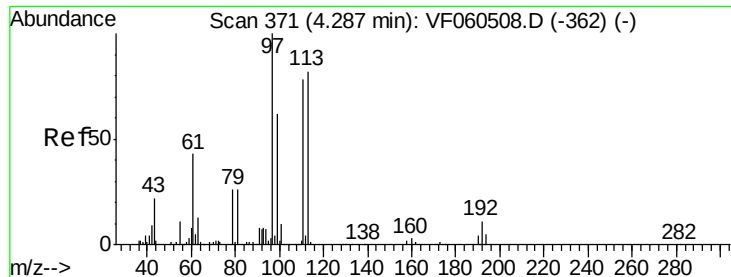
Tgt Ion: 65 Resp: 18805
 Ion Ratio Lower Upper
 65 100
 67 40.1 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Tgt Ion: 114 Resp: 264532
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 54.4
 88 21.1 0.0 47.2

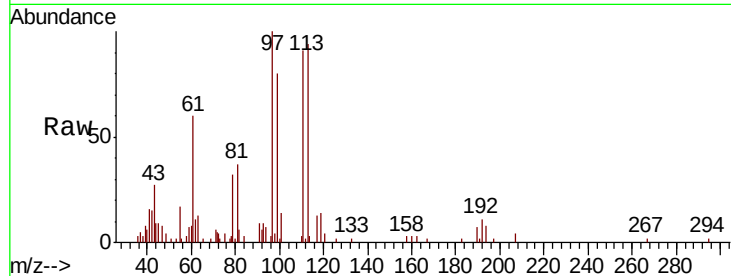




#35
 Dibromofluoromethane
 Concen: 6.500 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
113	100		
111	94.0	75.9	113.9
192	11.3	10.6	15.8

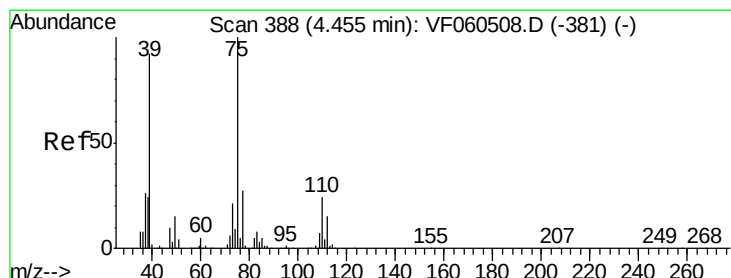
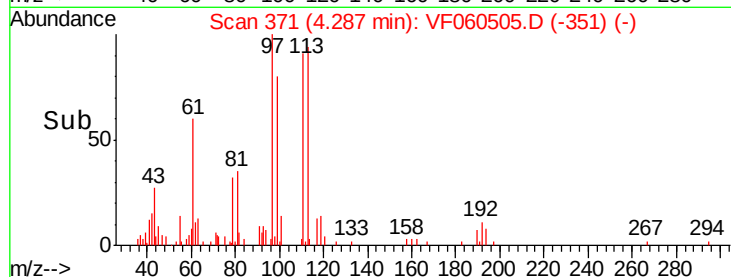
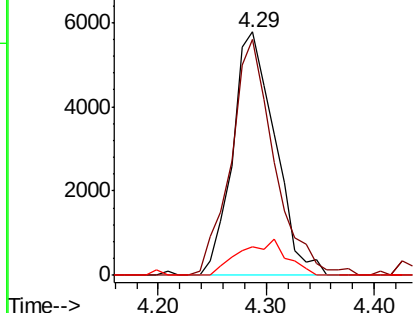


Abundance

Ion 113.00 (112.70 to 113.70): V

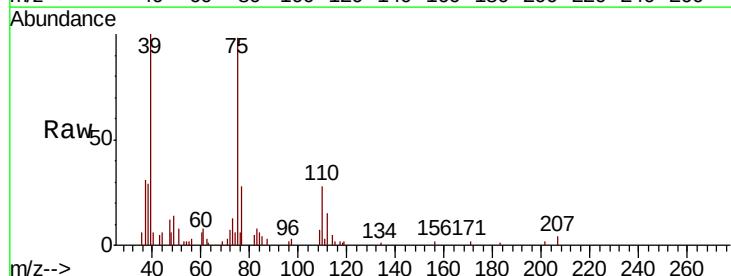
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36
 1,1-Dichloropropene
 Concen: 6.892 ug/l
 RT: 4.46 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.7	12.1	36.3
77	28.4	21.8	32.6

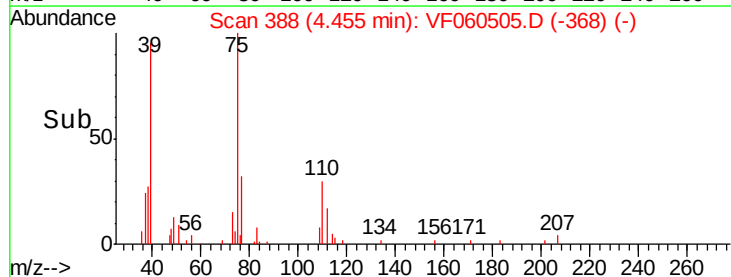
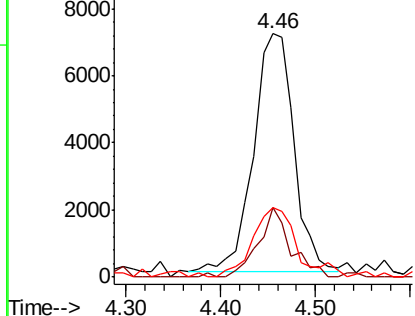


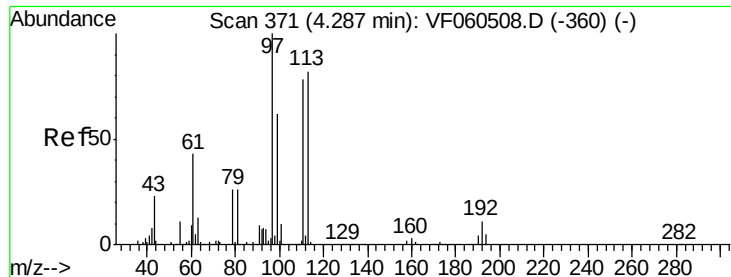
Abundance

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

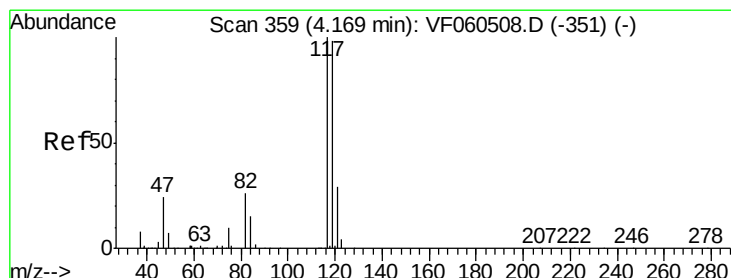
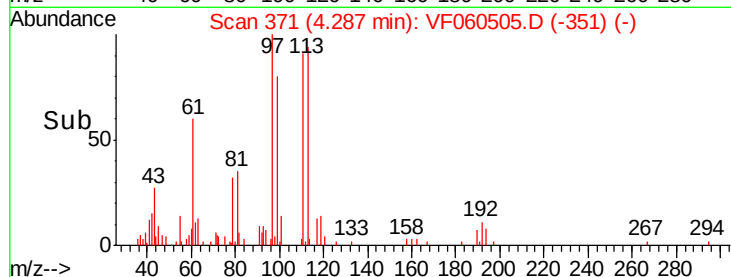
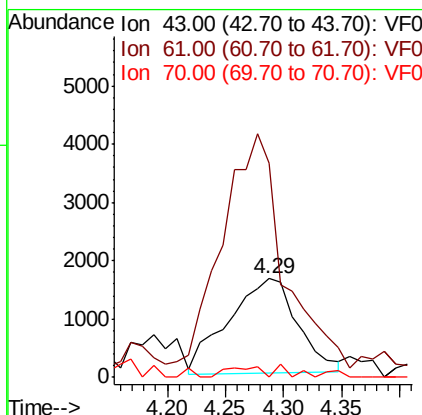
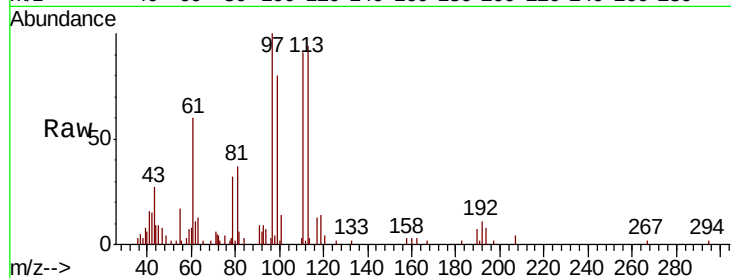




#37
Ethyl Acetate
Concen: 6.180 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

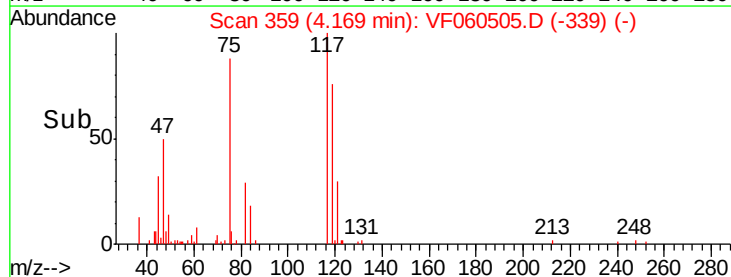
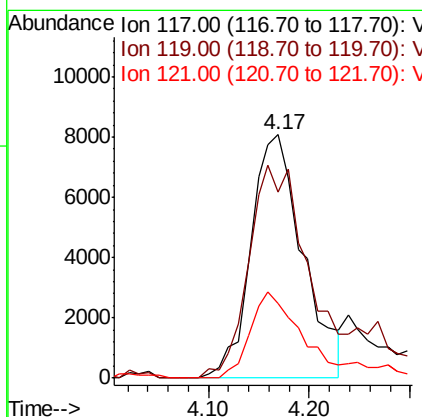
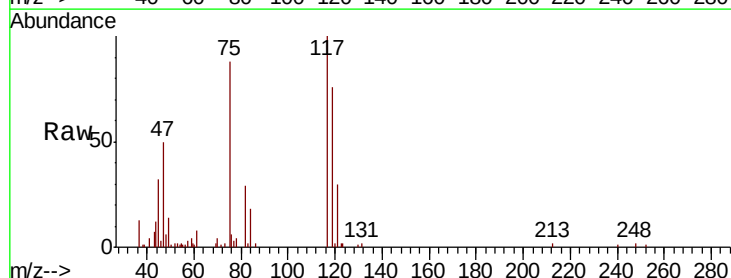
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

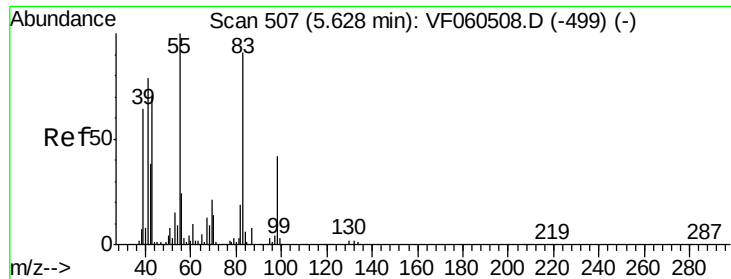
Tgt Ion: 43 Resp: 6717
Ion Ratio Lower Upper
43 100
61 217.1 148.5 222.7
70 0.0 4.7 7.1#



#38
Carbon Tetrachloride
Concen: 9.394 ug/l
RT: 4.17 min Scan# 359
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Tgt Ion: 117 Resp: 29035
Ion Ratio Lower Upper
117 100
119 76.2 78.3 117.5#
121 30.5 23.3 34.9

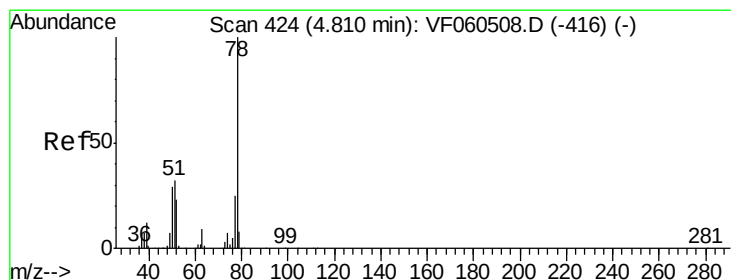
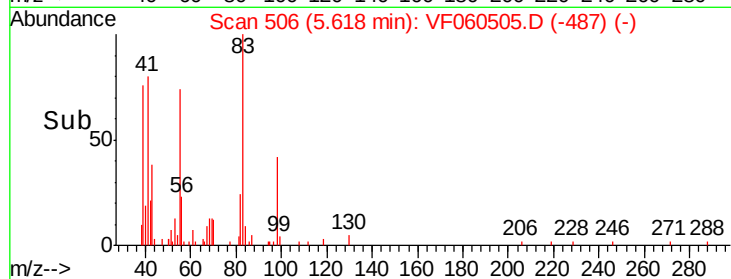
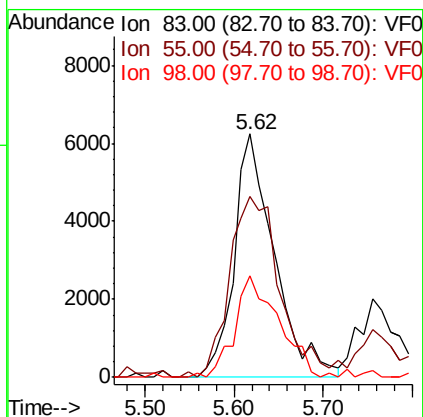
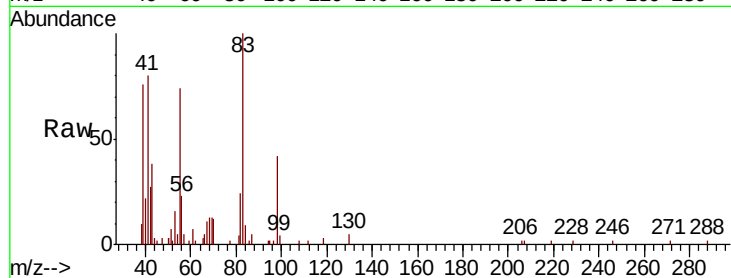




#39
Methylcyclohexane
Concen: 6.740 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.01 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

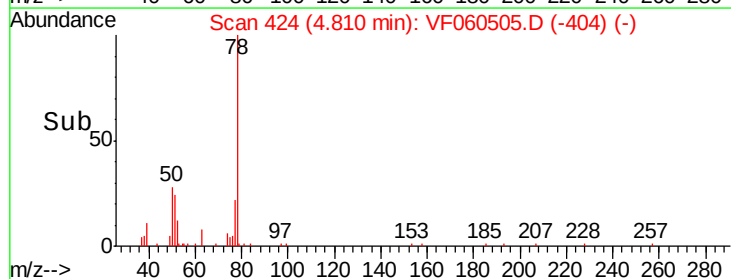
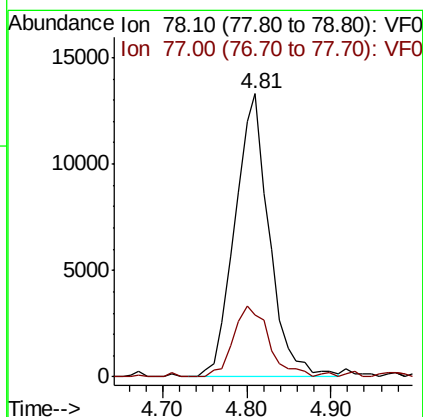
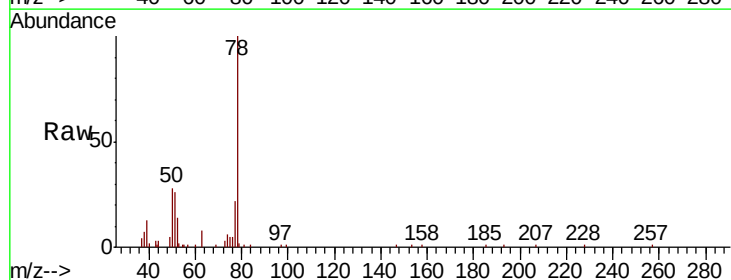
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

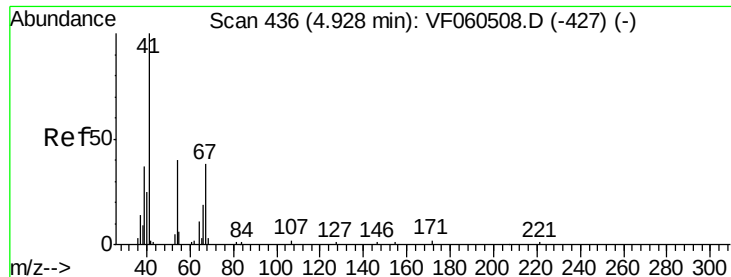
Tgt Ion: 83 Resp: 19527
Ion Ratio Lower Upper
83 100
55 74.3 87.9 131.9#
98 41.7 37.0 55.6



#40
Benzene
Concen: 6.005 ug/l
RT: 4.81 min Scan# 424
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Tgt Ion: 78 Resp: 37935
Ion Ratio Lower Upper
78 100
77 22.0 20.2 30.4





#41

Methacrylonitrile

Concen: 7.352 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 4540

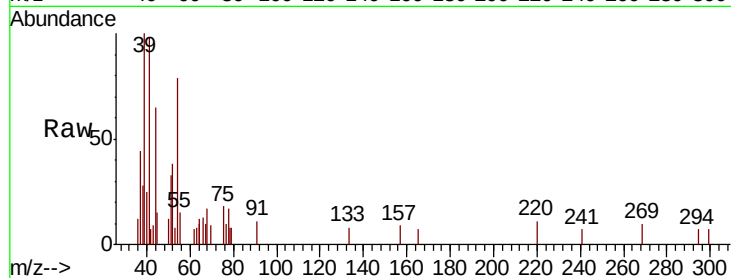
Ion Ratio Lower Upper

41 100

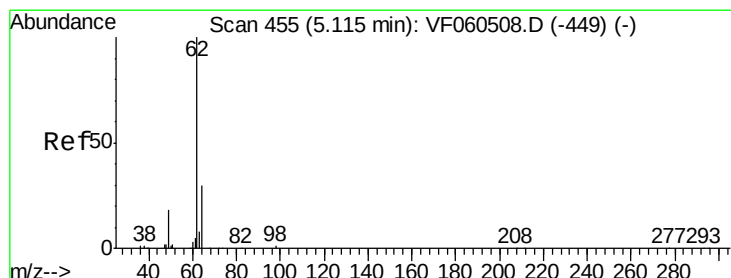
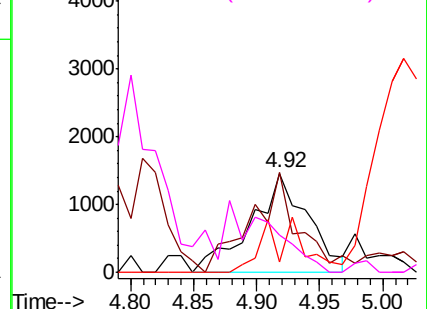
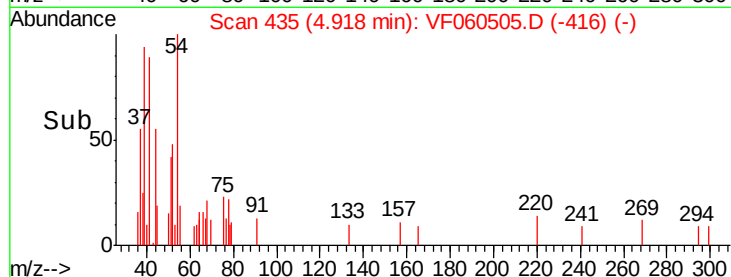
39 101.6 55.2 82.8#

67 10.5 29.8 44.8#

52 46.4 37.0 55.6



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: 7.846 ug/l

RT: 5.11 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF060505.D

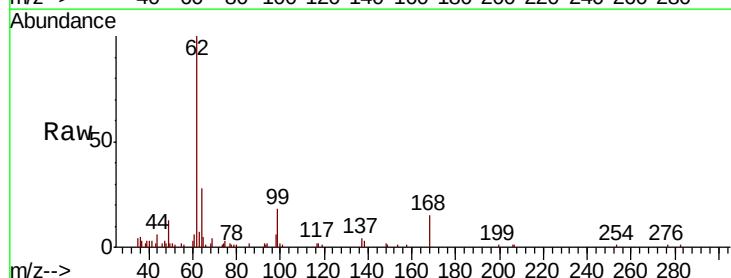
Acq: 25 Oct 2018 14:08

Tgt Ion: 62 Resp: 22488

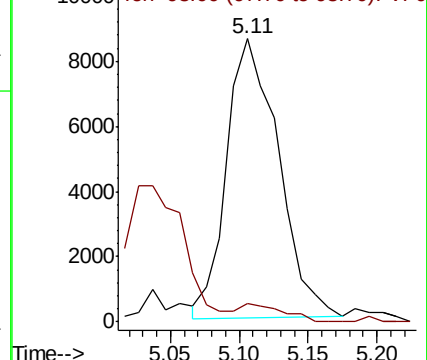
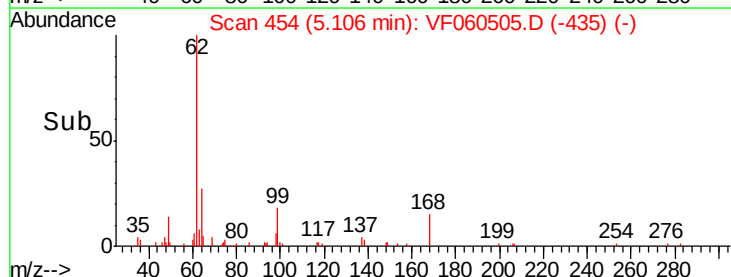
Ion Ratio Lower Upper

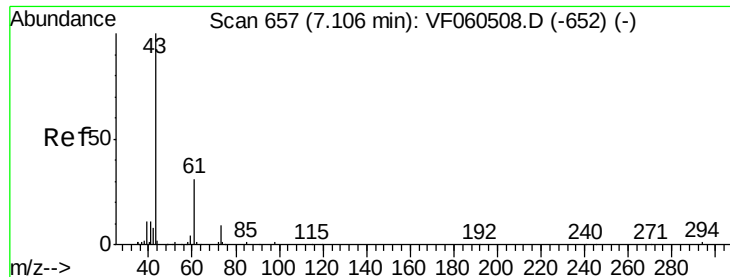
62 100

98 6.3 0.0 9.4



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





#43

Isopropyl Acetate

Concen: 6.606 ug/l

RT: 7.11 min Scan# 657

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

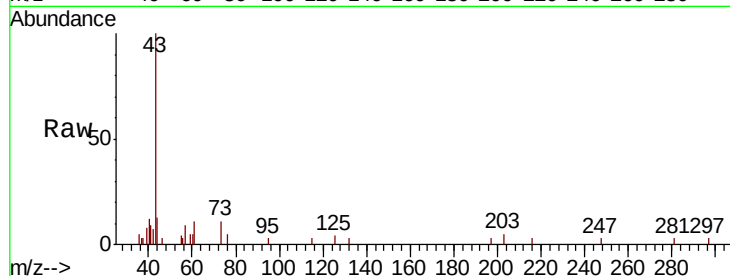
Tgt Ion: 43 Resp: 8948

Ion Ratio Lower Upper

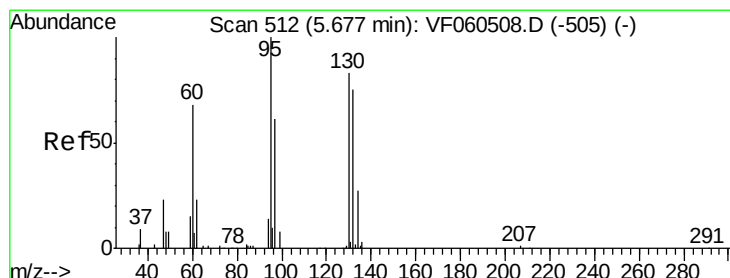
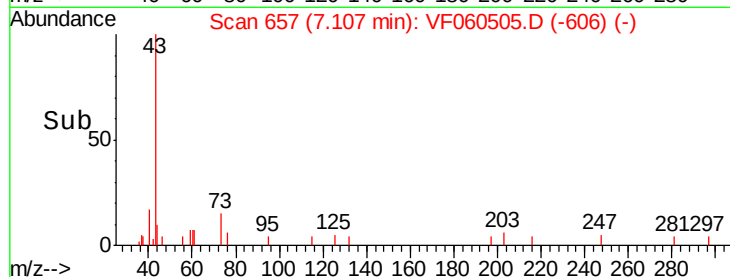
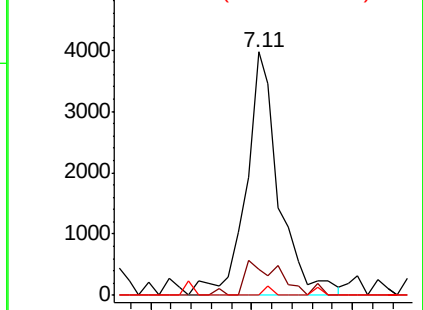
43 100

61 10.9 24.4 36.6#

87 0.0 0.0 0.0



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: 6.561 ug/l

RT: 5.67 min Scan# 511

Delta R.T. -0.01 min

Lab File: VF060505.D

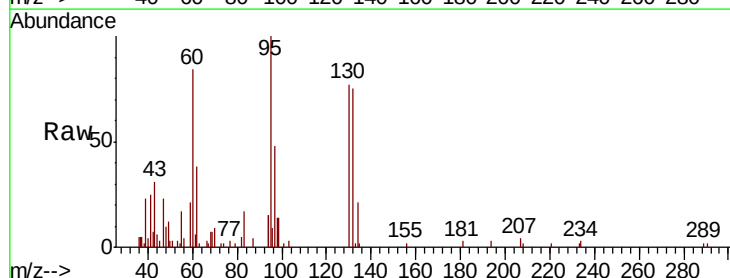
Acq: 25 Oct 2018 14:08

Tgt Ion:130 Resp: 12913

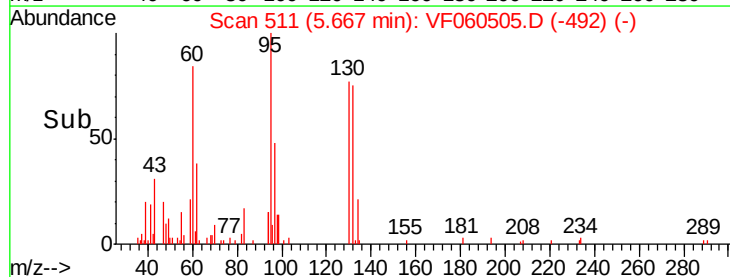
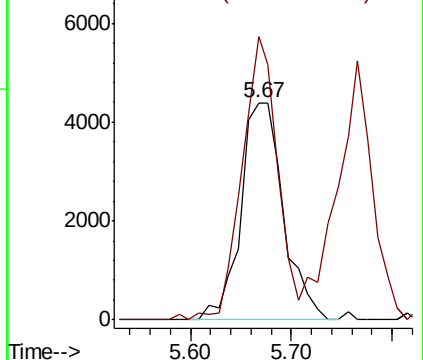
Ion Ratio Lower Upper

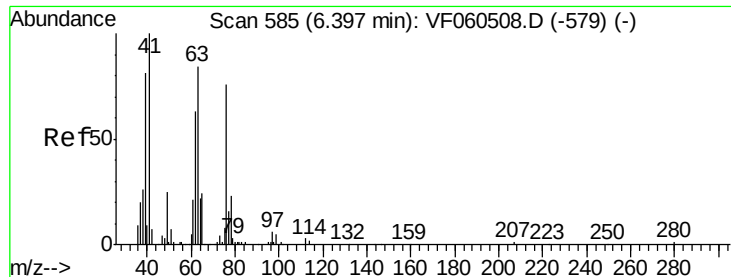
130 100

95 130.2 0.0 242.8



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0

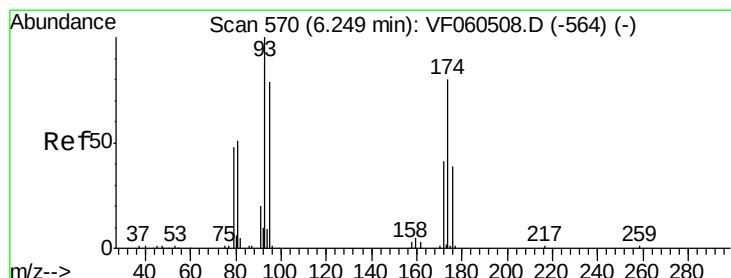
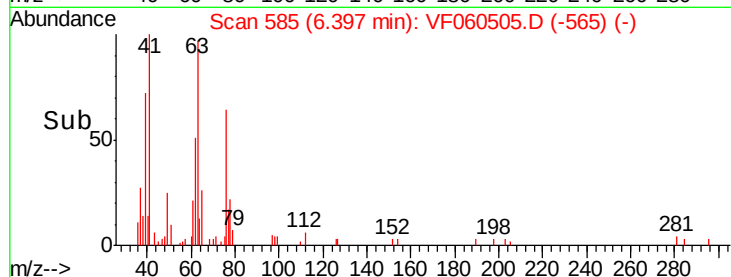
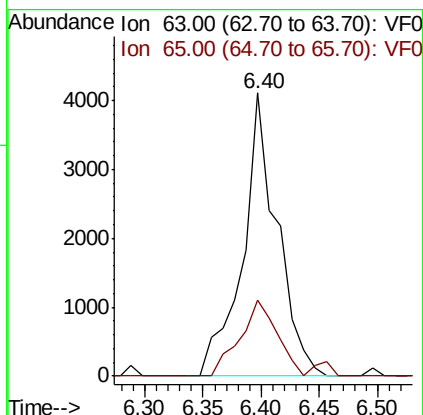
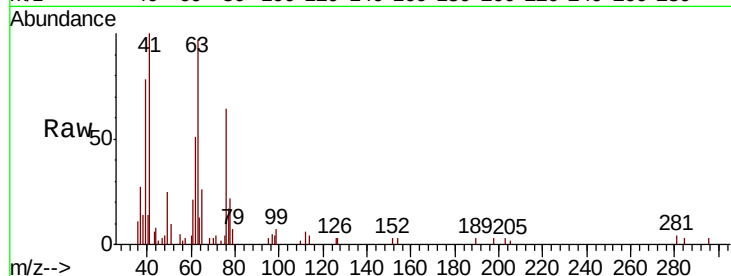




#45
 1,2-Dichloropropane
 Concen: 5.421 ug/l
 RT: 6.40 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

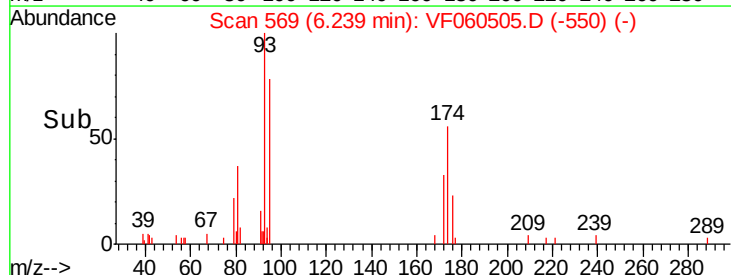
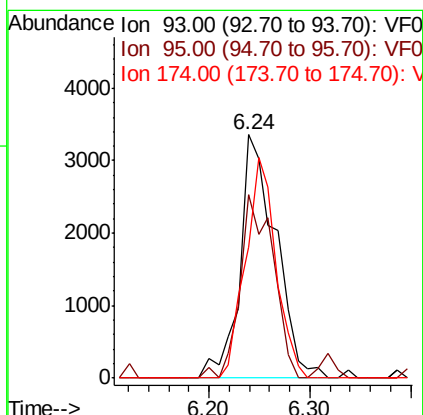
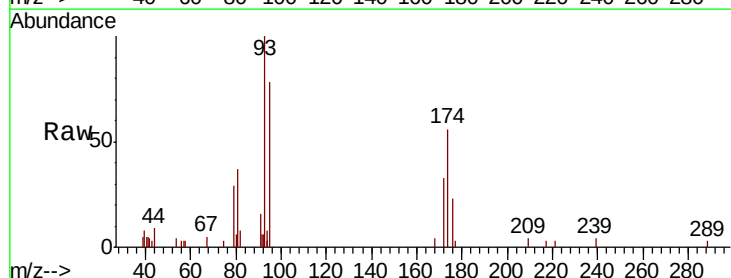
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

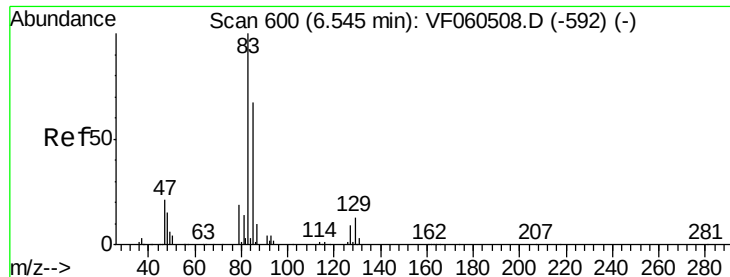
Tgt Ion: 63 Resp: 8384
 Ion Ratio Lower Upper
 63 100
 65 27.0 22.7 34.1



#46
 Dibromomethane
 Concen: 6.669 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Tgt Ion: 93 Resp: 8273
 Ion Ratio Lower Upper
 93 100
 95 75.2 63.8 95.8
 174 53.7 64.9 97.3#





#47

Bromodichloromethane

Concen: 7.414 ug/l

RT: 6.54 min Scan# 600

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

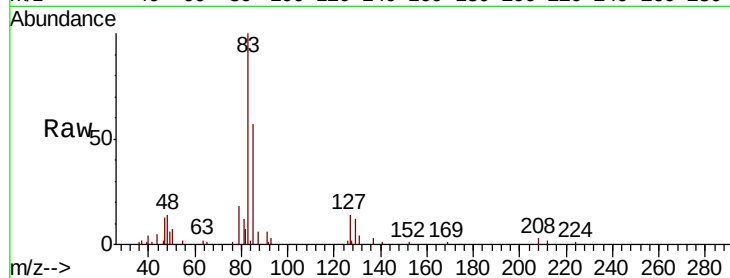
Tgt Ion: 83 Resp: 23227

Ion Ratio Lower Upper

83 100

85 56.3 53.4 80.0

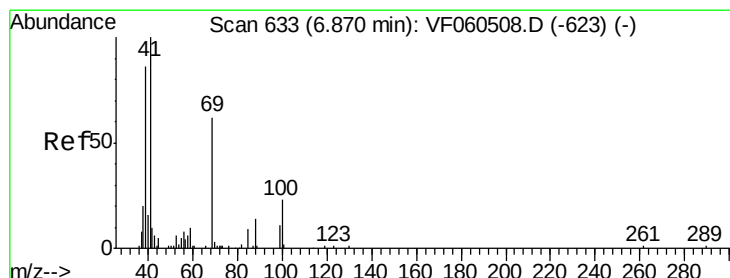
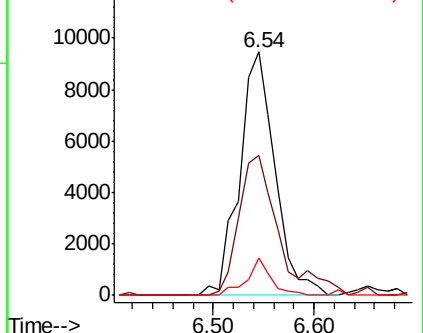
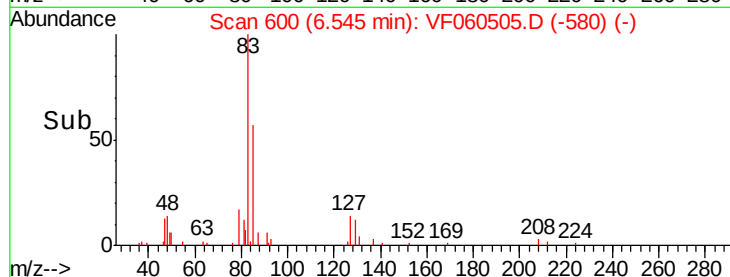
127 15.3 6.9 10.3#



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: 7.201 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

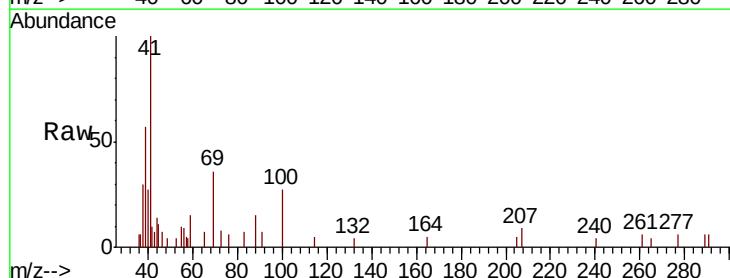
Tgt Ion: 41 Resp: 6608

Ion Ratio Lower Upper

41 100

69 36.3 49.6 74.4#

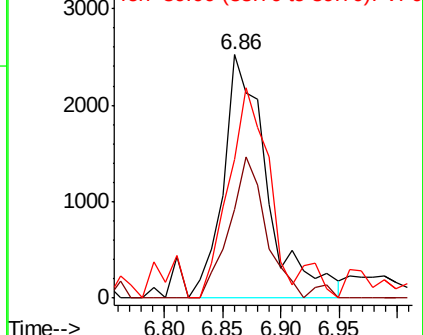
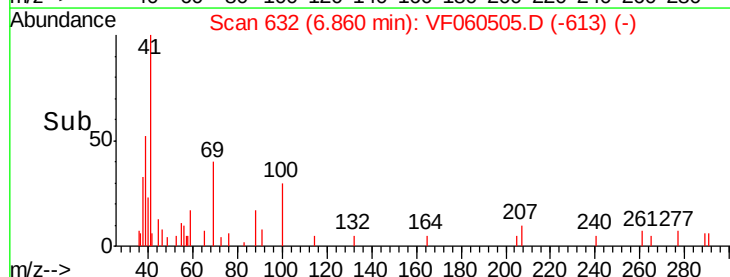
39 57.2 69.4 104.2#

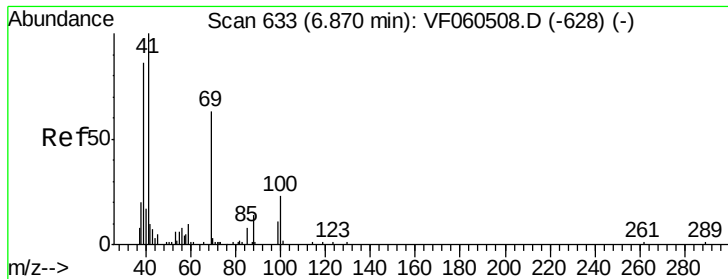


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 130.947 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.02 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

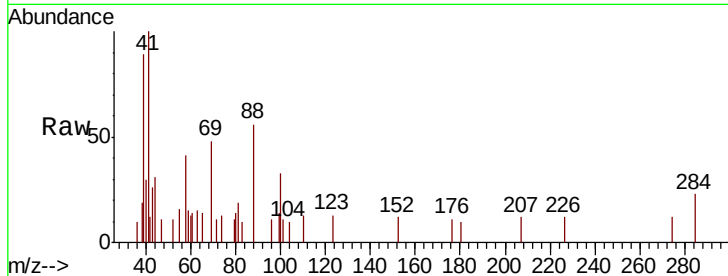
Tgt Ion: 88 Resp: 1033

Ion Ratio Lower Upper

88 100

43 45.9 39.3 58.9

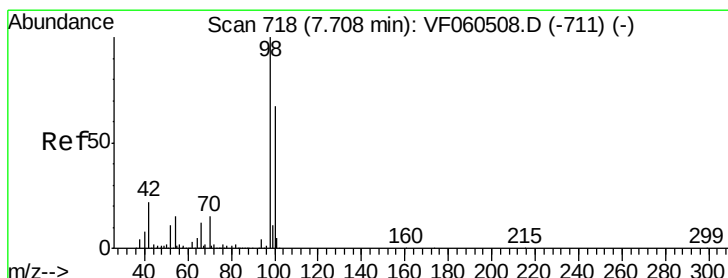
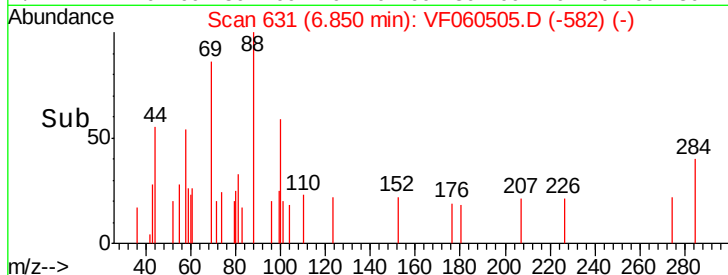
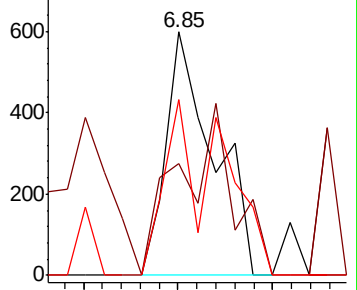
58 72.3 35.0 52.6#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 5.679 ug/l

RT: 7.71 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF060505.D

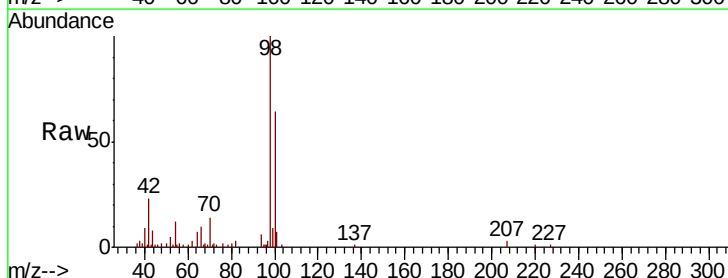
Acq: 25 Oct 2018 14:08

Tgt Ion: 98 Resp: 33239

Ion Ratio Lower Upper

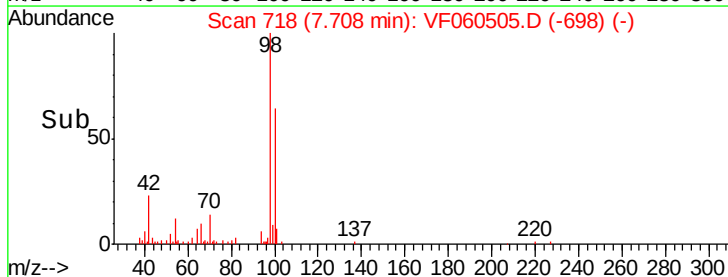
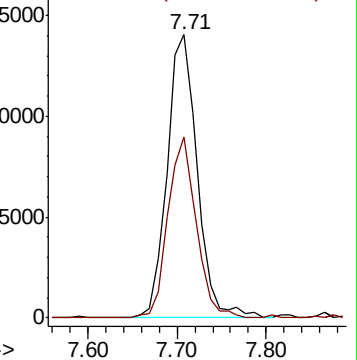
98 100

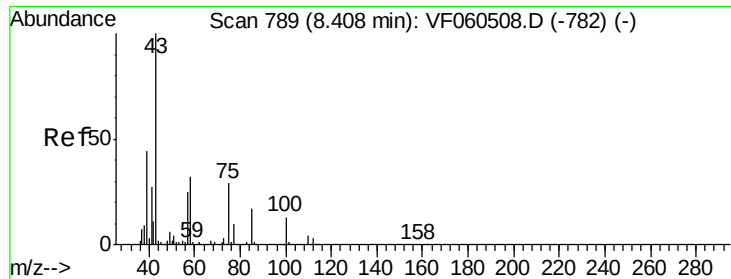
100 63.9 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

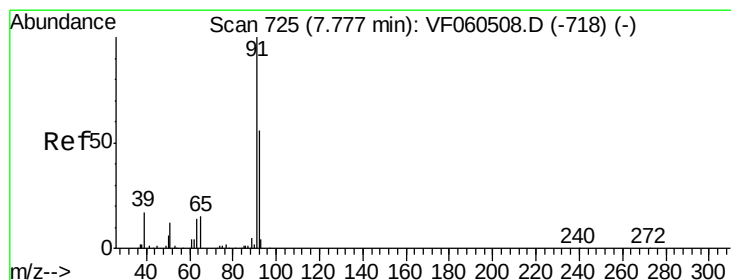
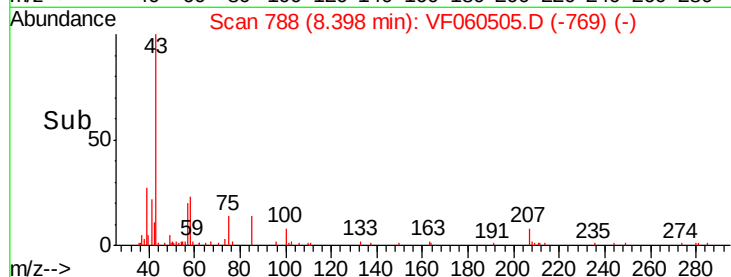
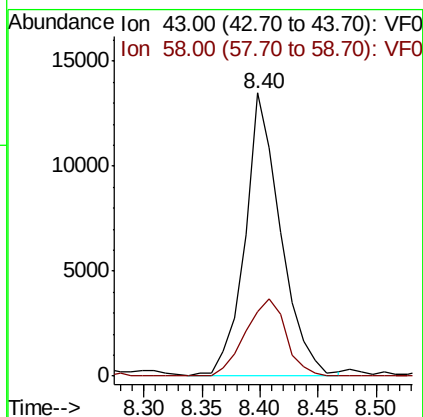
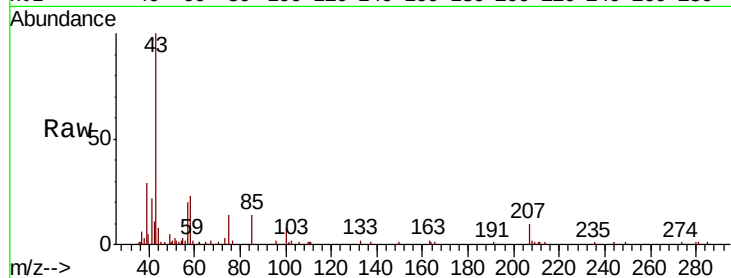




#51
 4-Methyl-2-Pentanone
 Concen: 30.328 ug/l
 RT: 8.40 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

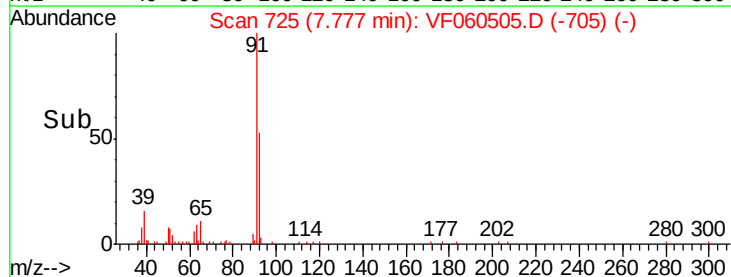
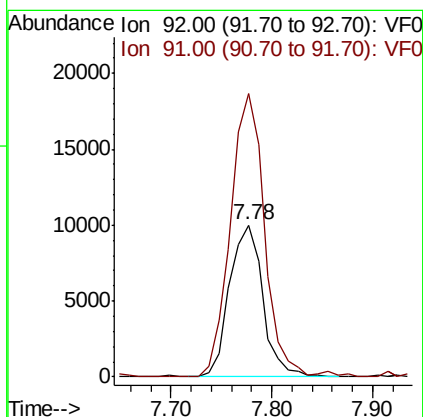
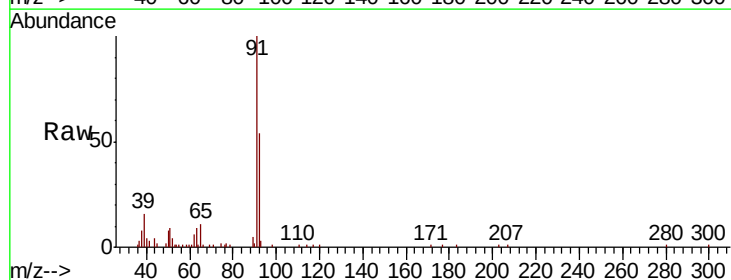
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

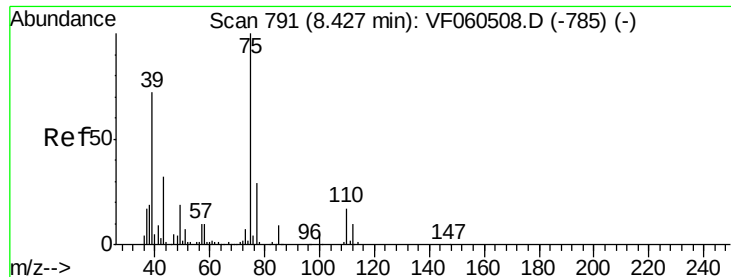
Tgt Ion: 43 Resp: 28658
 Ion Ratio Lower Upper
 43 100
 58 22.8 25.4 38.2#



#52
 Toluene
 Concen: 5.779 ug/l
 RT: 7.78 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Tgt Ion: 92 Resp: 22995
 Ion Ratio Lower Upper
 92 100
 91 186.2 143.8 215.8





#53

t-1,3-Dichloropropene

Concen: 6.891 ug/l

RT: 8.43 min Scan# 791

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

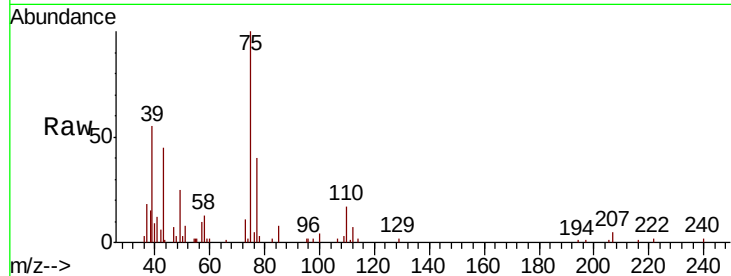
VSTDIC005

Tgt Ion: 75 Resp: 16769

Ion Ratio Lower Upper

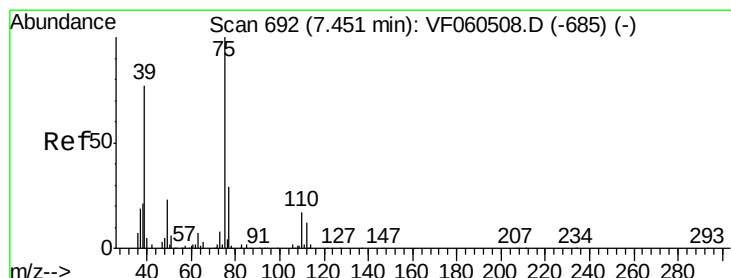
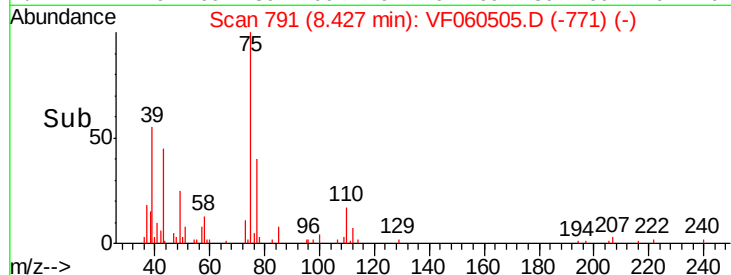
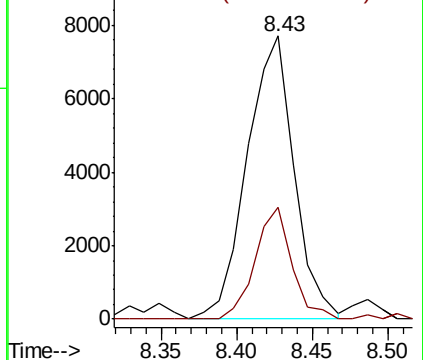
75 100

77 39.8 23.7 35.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 6.289 ug/l

RT: 7.45 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

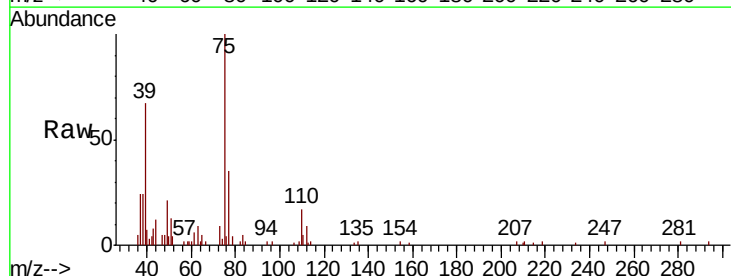
Tgt Ion: 75 Resp: 17822

Ion Ratio Lower Upper

75 100

77 34.6 23.6 35.4

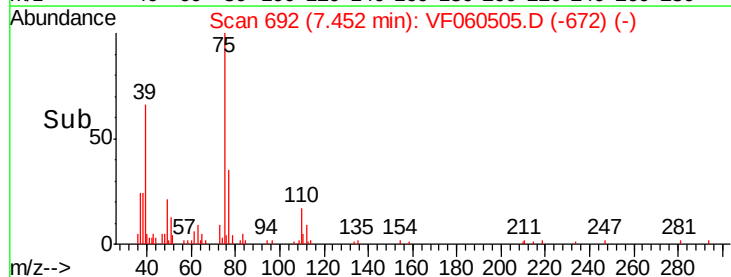
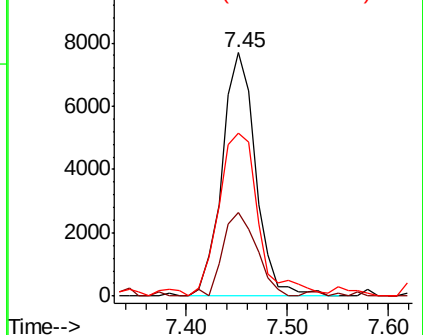
39 67.1 61.6 92.4

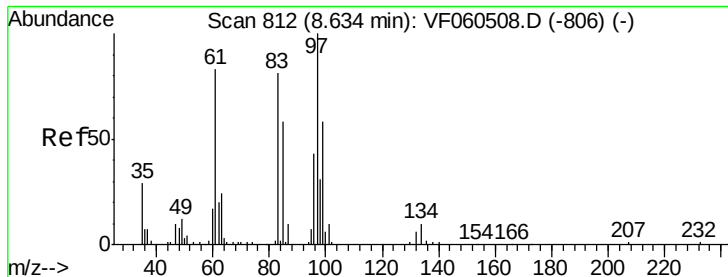


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 5.237 ug/l

RT: 8.63 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 6404

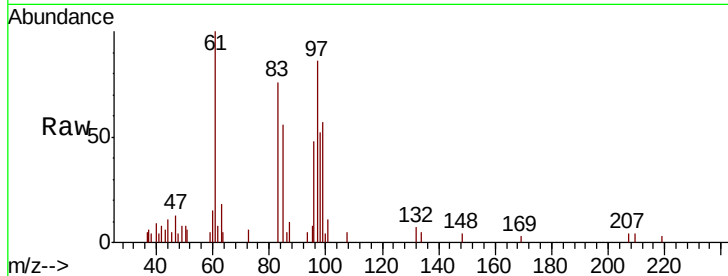
Ion Ratio Lower Upper

97 100

83 88.7 65.0 97.4

85 64.8 47.0 70.6

99 66.2 46.2 69.4

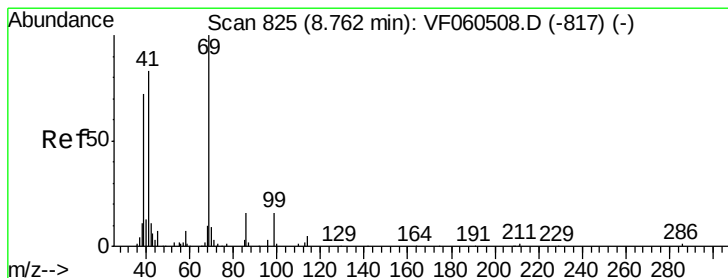
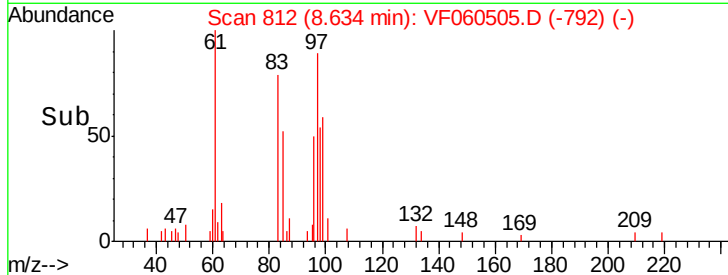
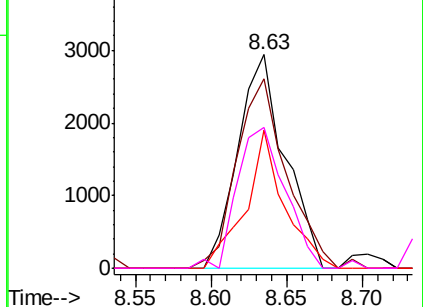


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 5.188 ug/l

RT: 8.75 min Scan# 824

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

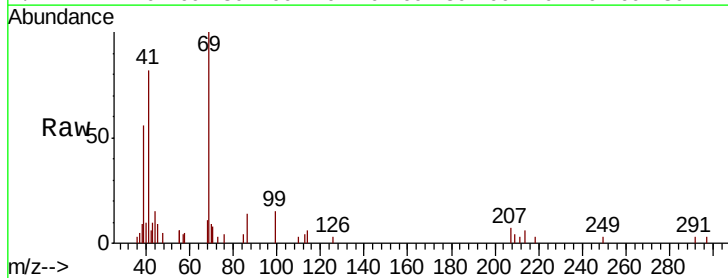
Tgt Ion: 69 Resp: 7340

Ion Ratio Lower Upper

69 100

41 81.9 67.2 100.8

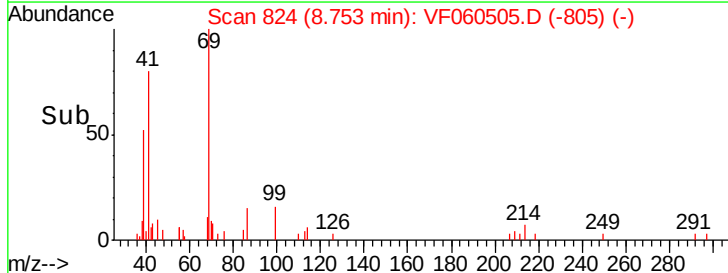
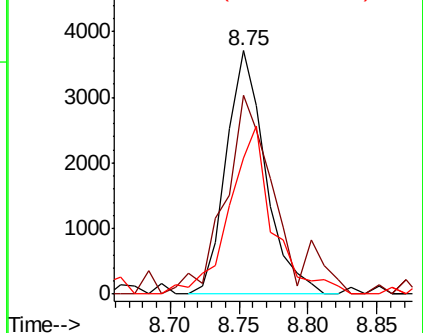
39 55.8 58.4 87.6#

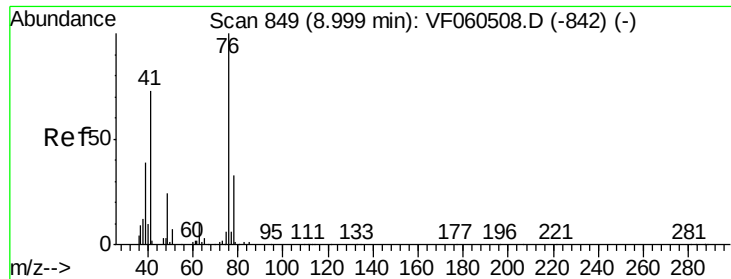


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

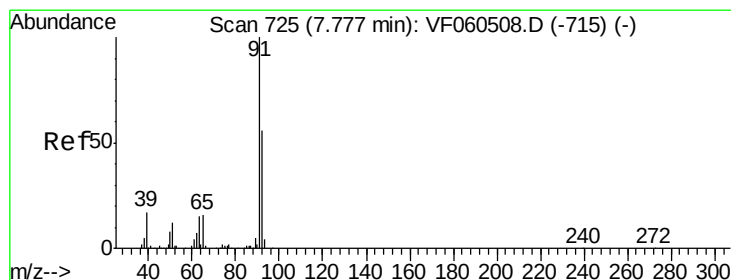
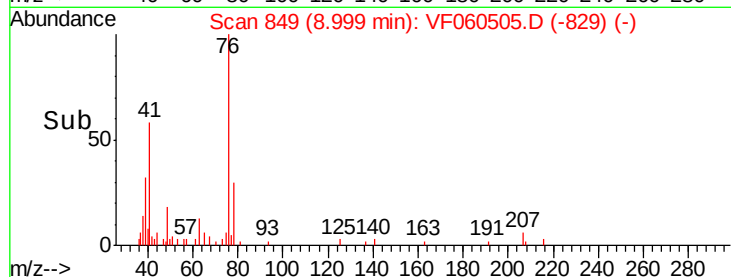
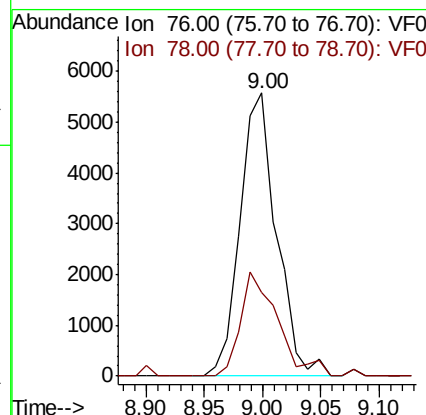
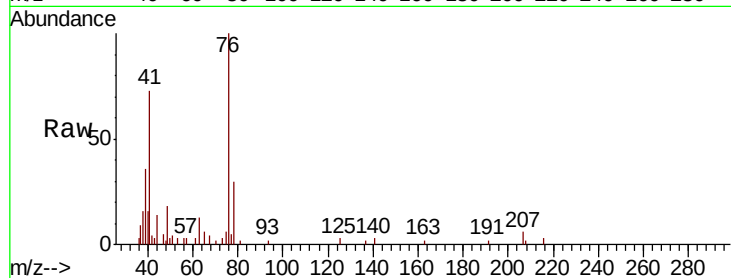




#57
 1,3-Dichloropropane
 Concen: 5.730 ug/l
 RT: 9.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

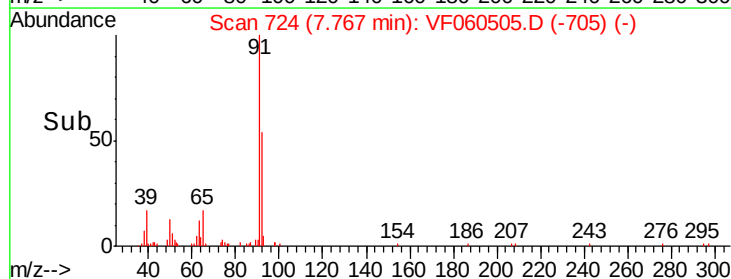
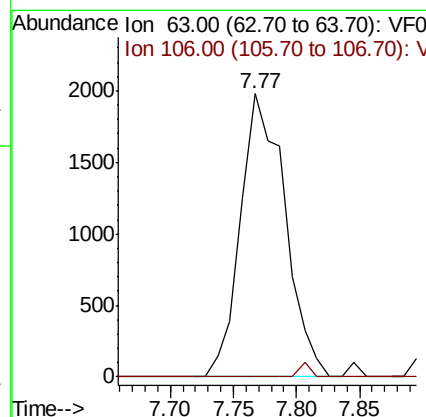
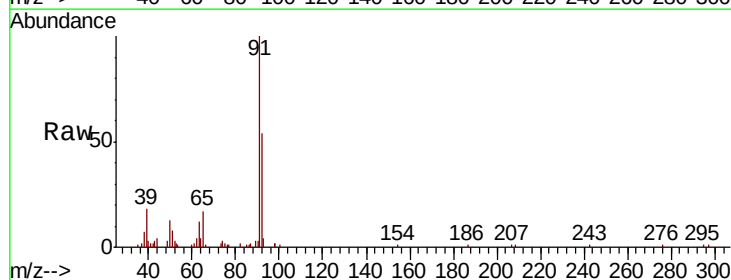
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

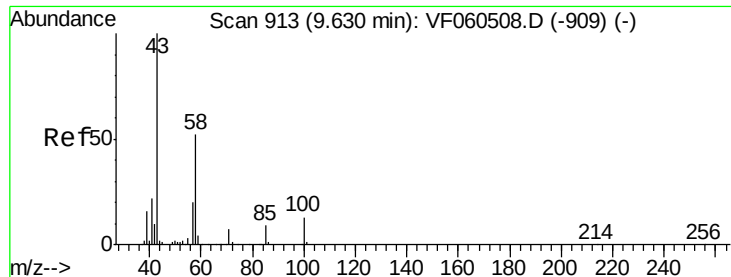
Tgt Ion: 76 Resp: 12066
 Ion Ratio Lower Upper
 76 100
 78 29.6 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 33.671 ug/l
 RT: 7.77 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Tgt Ion: 63 Resp: 4841
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

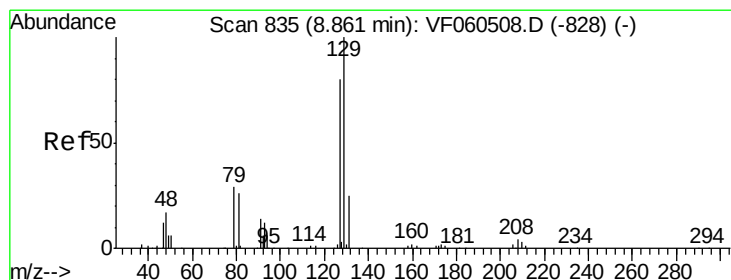
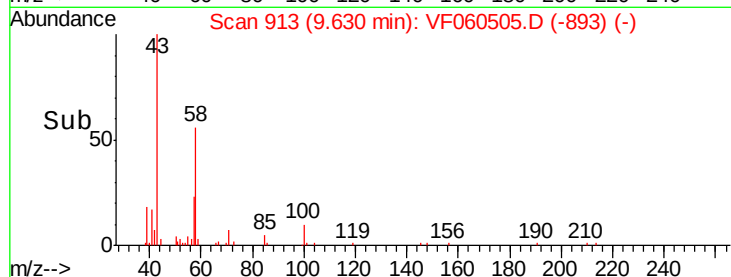
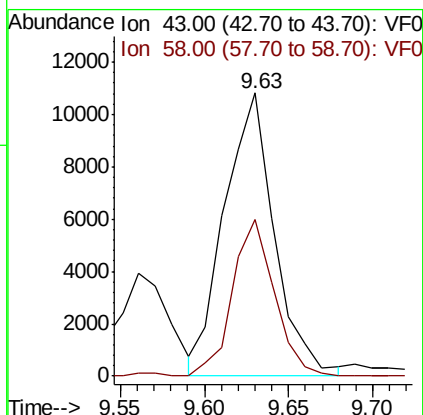
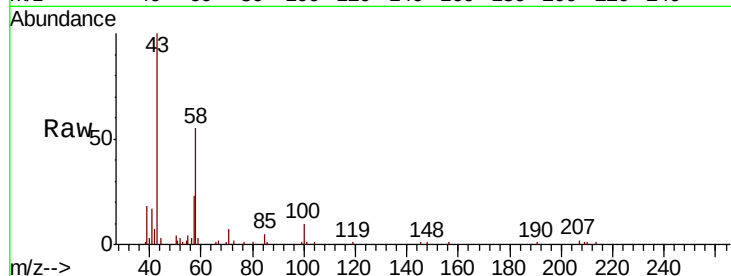




#59
2-Hexanone
Concen: 32.535 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

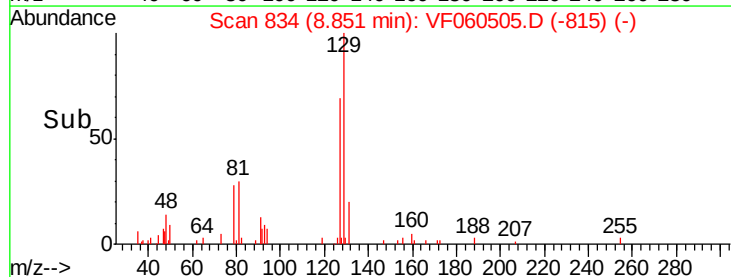
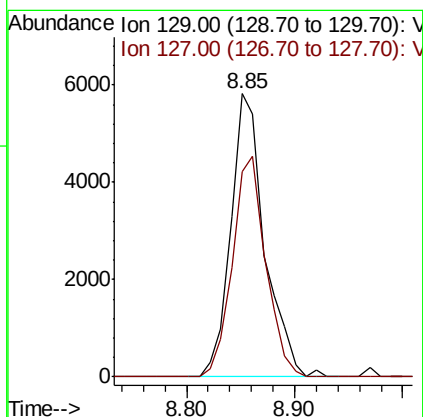
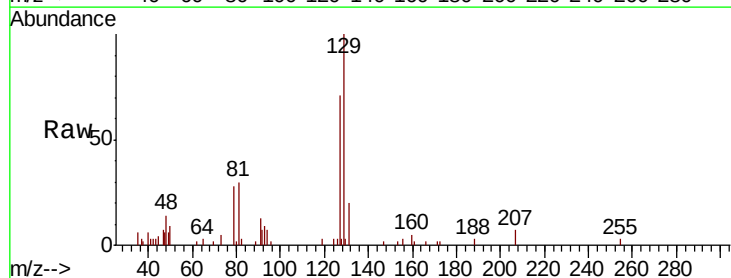
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

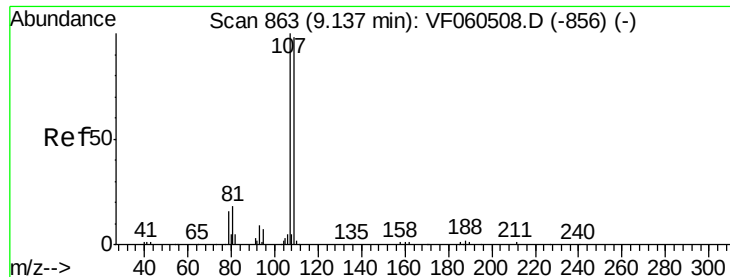
Tgt Ion: 43 Resp: 22238
Ion Ratio Lower Upper
43 100
58 55.3 23.5 70.5



#60
Dibromochloromethane
Concen: 6.583 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Tgt Ion: 129 Resp: 12635
Ion Ratio Lower Upper
129 100
127 72.3 40.2 120.5





#61

1,2-Dibromoethane

Concen: 6.432 ug/l

RT: 9.13 min Scan# 862

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

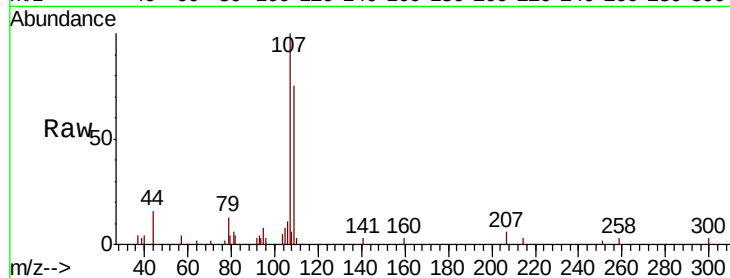
VSTDIC005

Tgt Ion: 107 Resp: 8887

Ion Ratio Lower Upper

107 100

109 74.8 78.6 118.0#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.13

5000

4000

3000

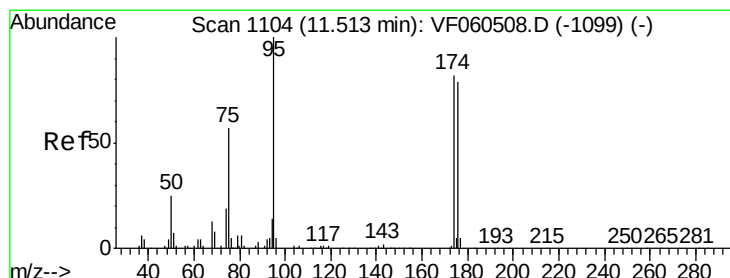
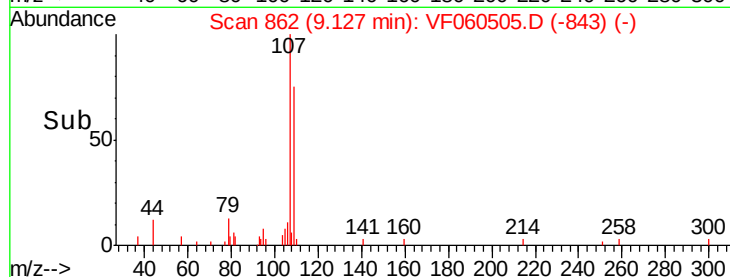
2000

1000

0

9.05 9.10 9.15 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 7.095 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

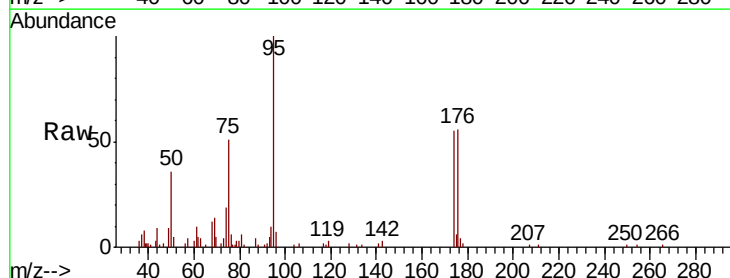
Tgt Ion: 95 Resp: 18220

Ion Ratio Lower Upper

95 100

174 55.1 0.0 164.2

176 56.5 0.0 158.4



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

15000

11.50

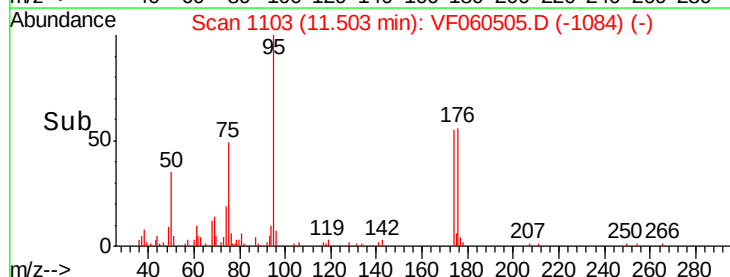
10000

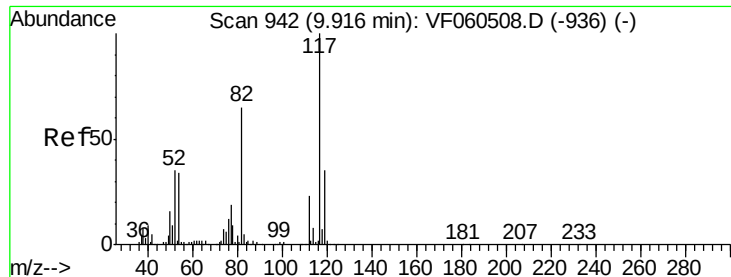
5000

0

11.45 11.50 11.55 11.60

Time-->

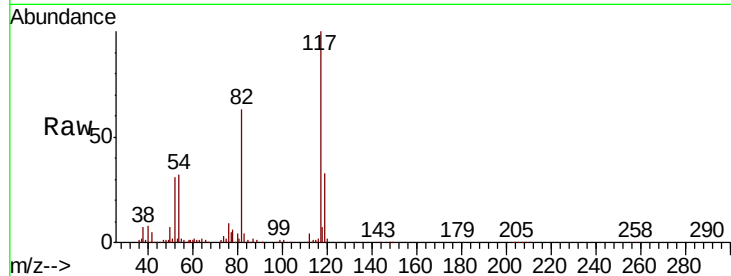




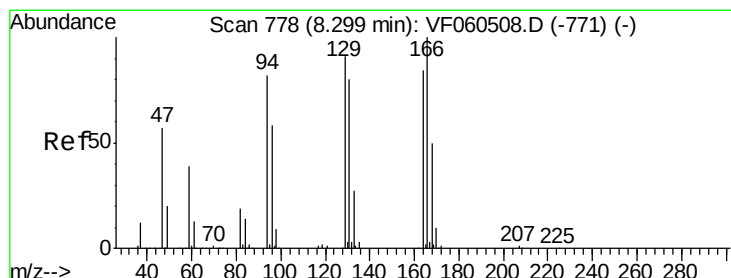
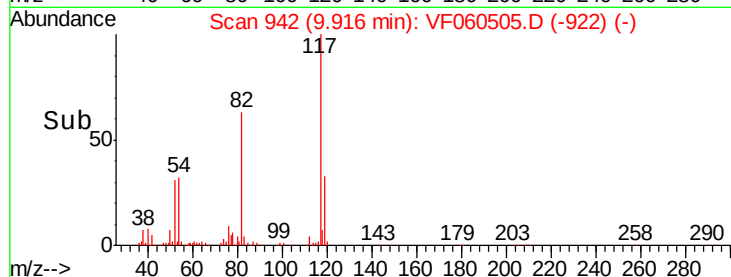
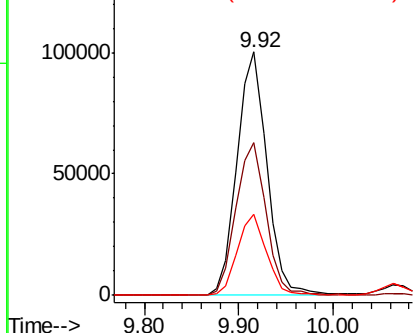
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 220312
Ion Ratio Lower Upper
117 100
82 62.9 51.7 77.5
119 33.4 28.3 42.5

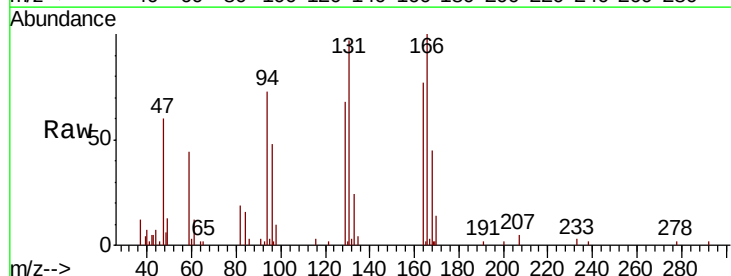


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

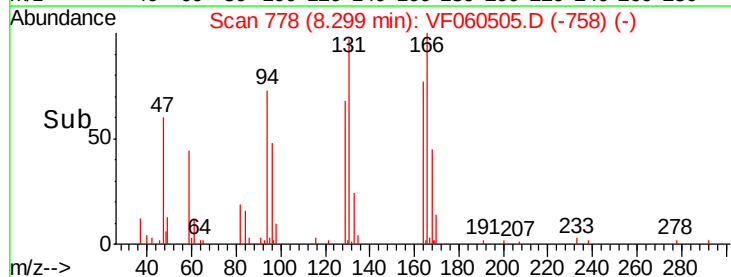
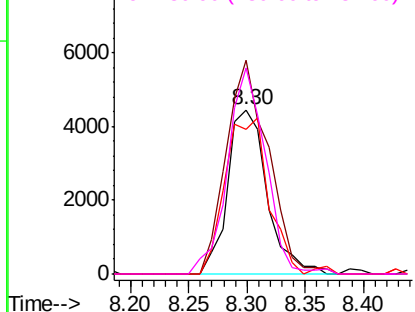


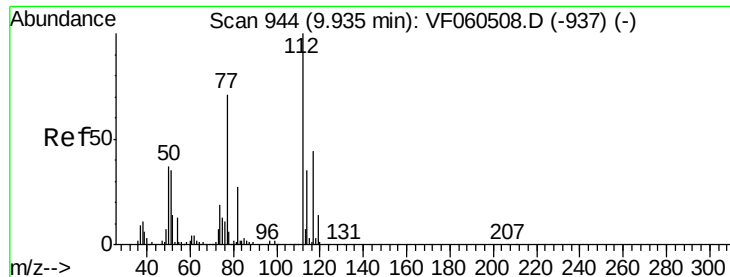
#64
Tetrachloroethene
Concen: 6.002 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Tgt Ion:164 Resp: 10480
Ion Ratio Lower Upper
164 100
166 129.9 95.1 142.7
129 88.0 86.3 129.5
131 125.4 76.5 114.7#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 5.761 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

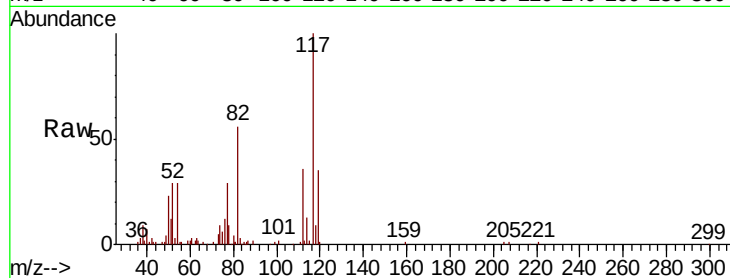
VSTDIC005

Tgt Ion:112 Resp: 24650

Ion Ratio Lower Upper

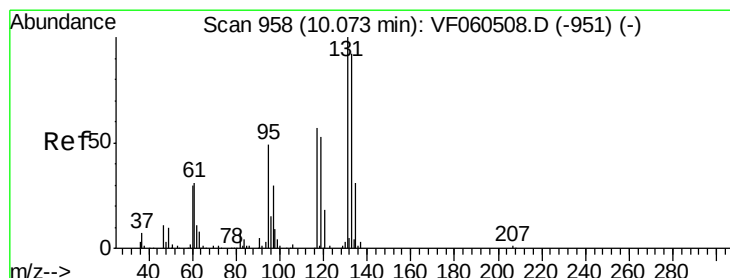
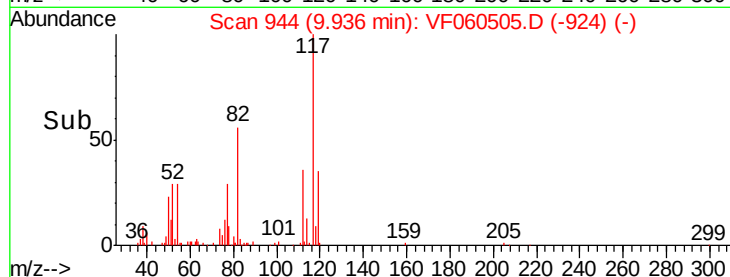
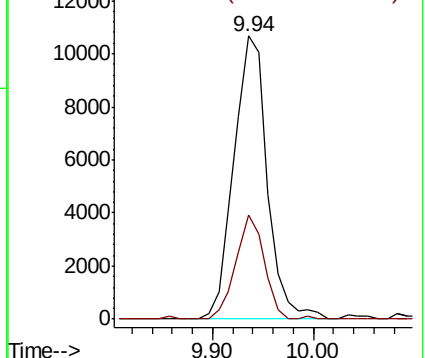
112 100

114 36.7 27.7 41.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 6.944 ug/l

RT: 10.07 min Scan# 958

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

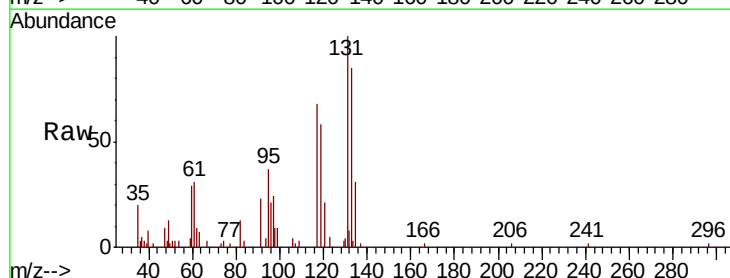
Tgt Ion:131 Resp: 13382

Ion Ratio Lower Upper

131 100

133 84.6 46.1 138.2

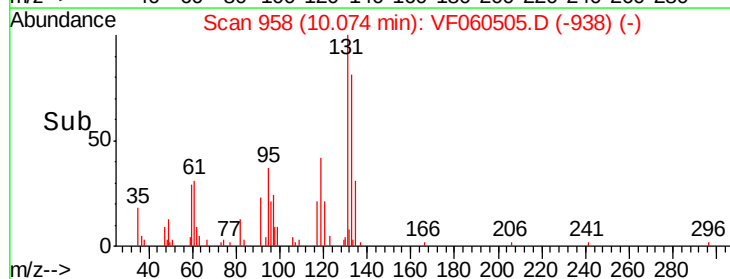
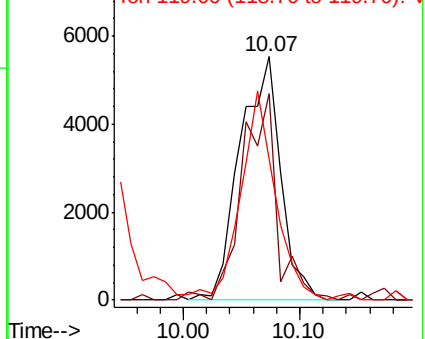
119 58.3 27.0 80.8

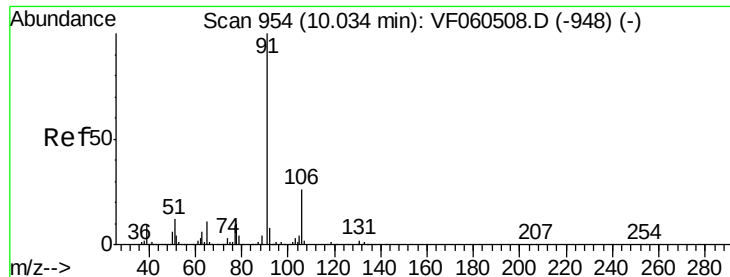


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 6.860 ug/l

RT: 10.03 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

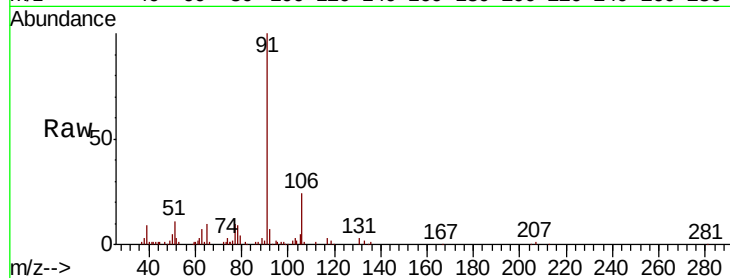
VSTDIC005

Tgt Ion: 91 Resp: 55373

Ion Ratio Lower Upper

91 100

106 23.6 20.7 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.03

25000

20000

15000

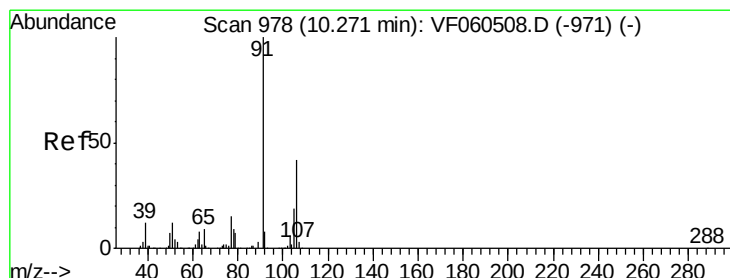
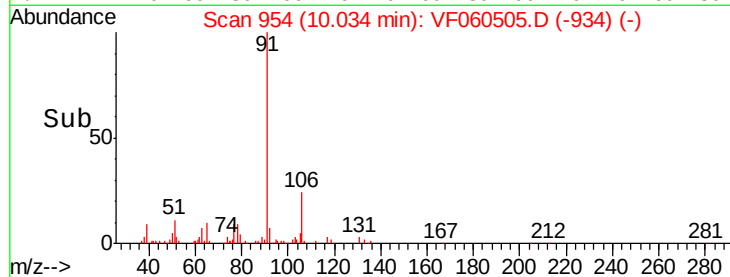
10000

5000

0

Time-->

9.90 10.00 10.10 10.20



#68

m/p-Xylenes

Concen: 13.065 ug/l

RT: 10.26 min Scan# 977

Delta R.T. -0.01 min

Lab File: VF060505.D

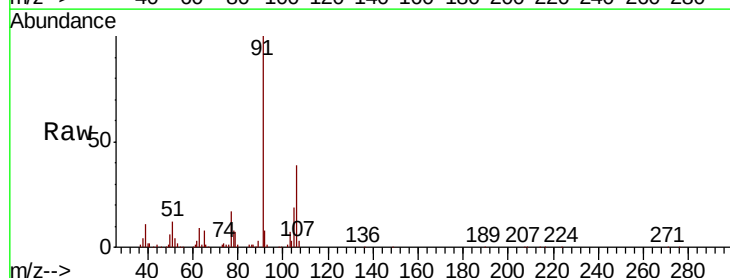
Acq: 25 Oct 2018 14:08

Tgt Ion: 106 Resp: 36003

Ion Ratio Lower Upper

106 100

91 257.0 192.5 288.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.26

50000

40000

30000

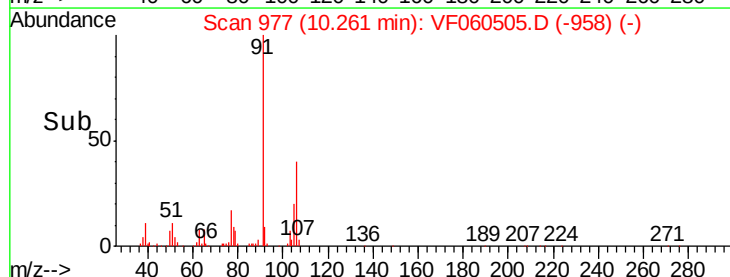
20000

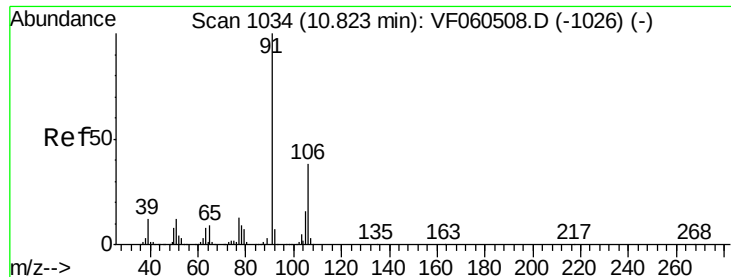
10000

0

Time-->

10.20 10.30

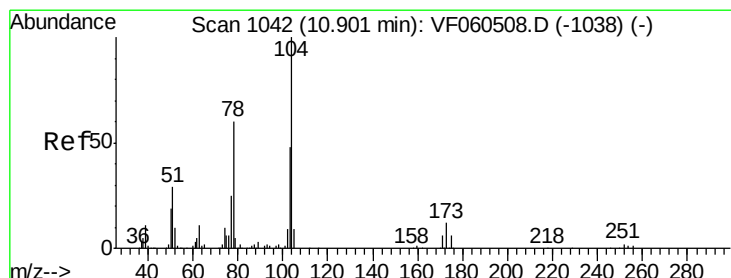
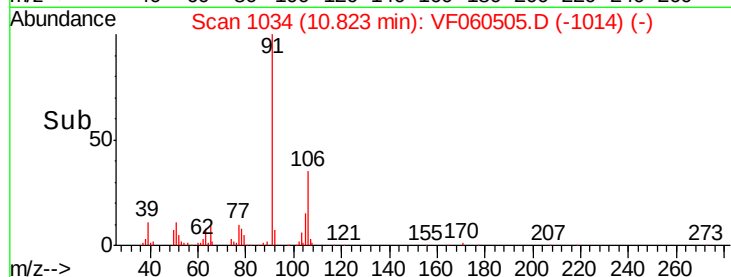
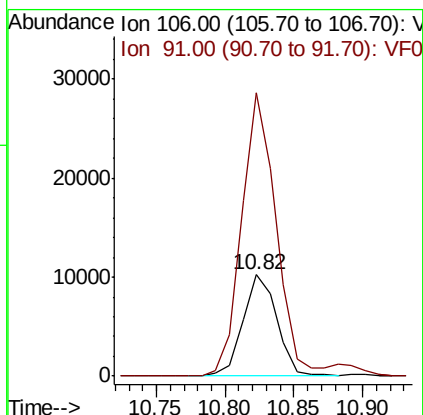
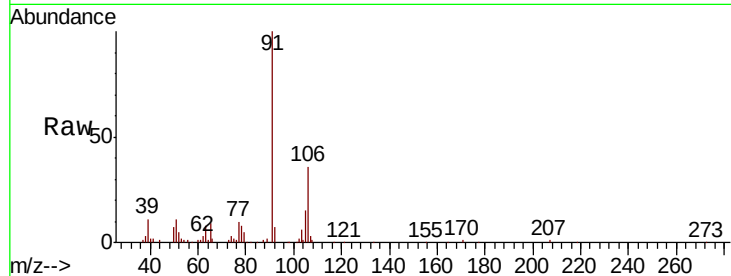




#69
o-Xylene
Concen: 5.908 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

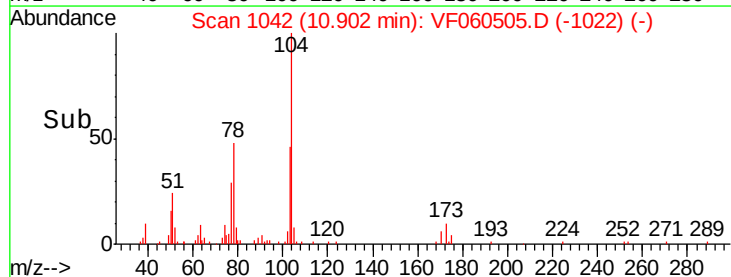
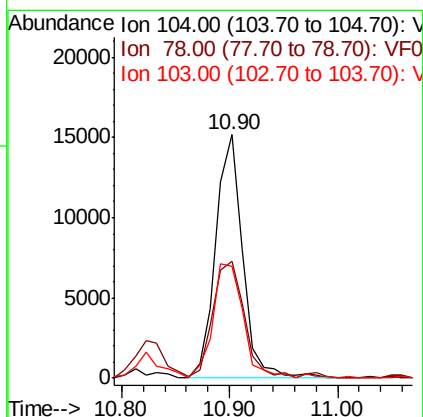
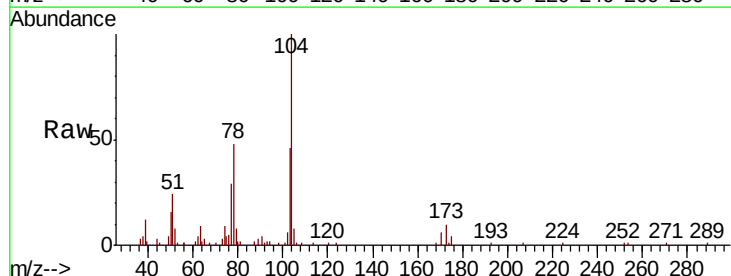
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

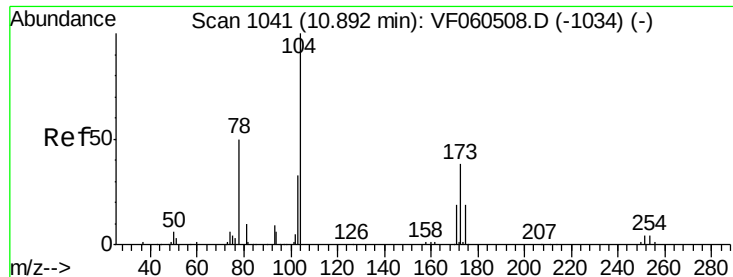
Tgt Ion:106 Resp: 17704
Ion Ratio Lower Upper
106 100
91 279.2 130.9 392.7



#70
Styrene
Concen: 6.129 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Tgt Ion:104 Resp: 26438
Ion Ratio Lower Upper
104 100
78 48.2 48.7 73.1#
103 46.1 38.8 58.2





#71

Bromoform

Concen: 6.704 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

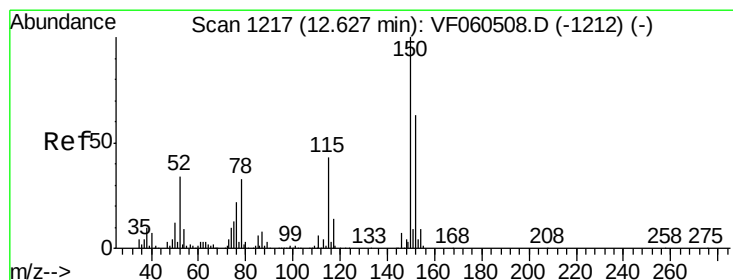
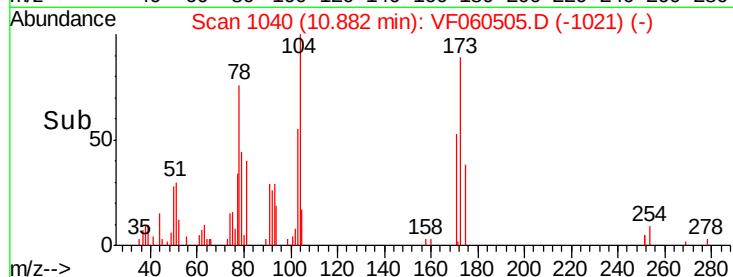
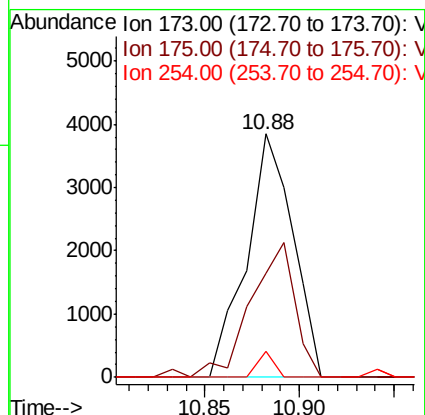
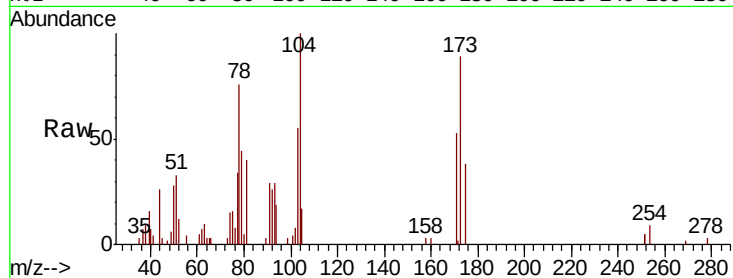
Tgt Ion:173 Resp: 6550

Ion Ratio Lower Upper

173 100

175 42.9 25.5 76.5

254 10.6 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

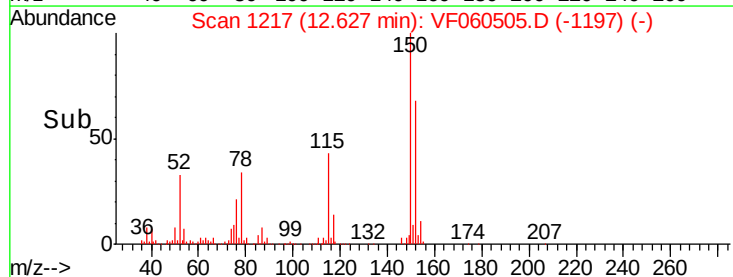
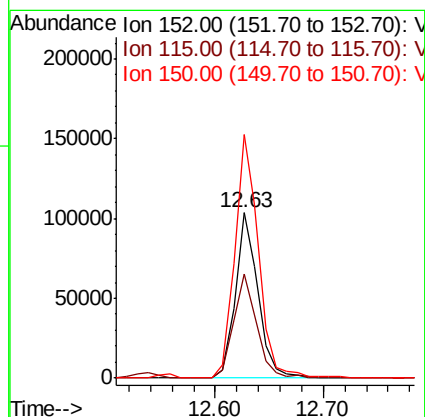
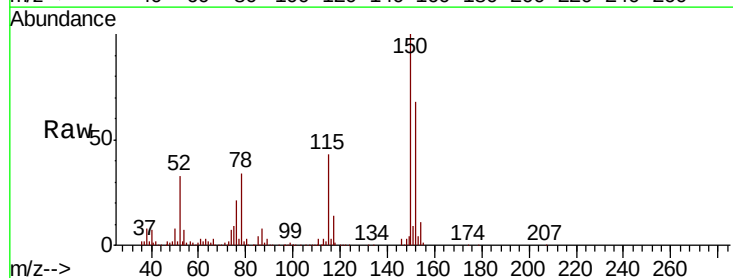
Tgt Ion:152 Resp: 150803

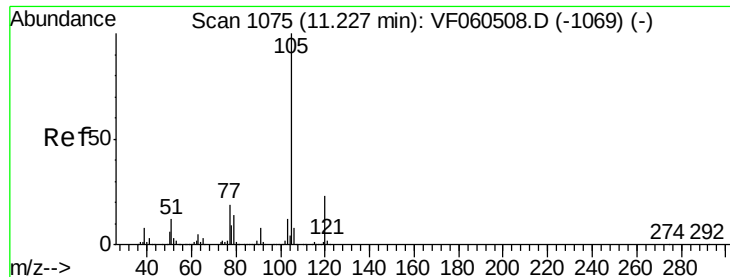
Ion Ratio Lower Upper

152 100

115 63.1 34.6 103.9

150 147.1 0.0 319.8

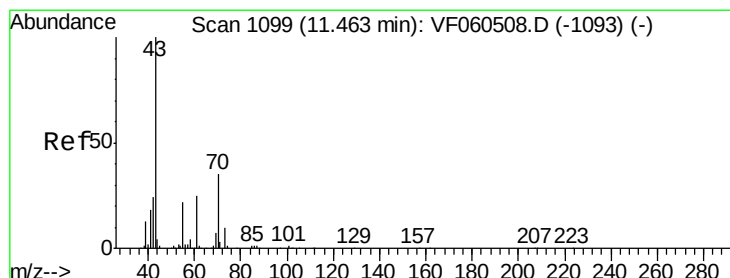
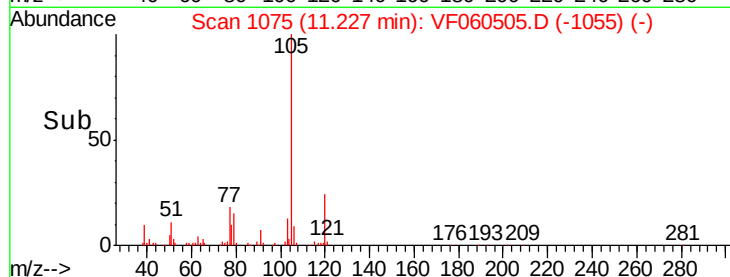
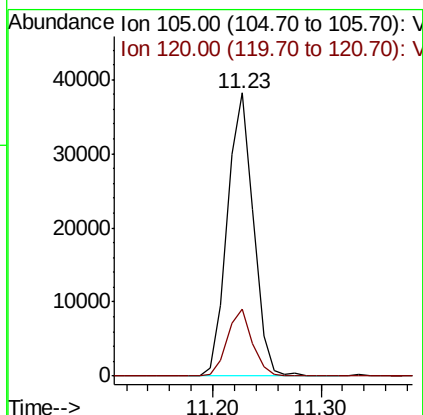
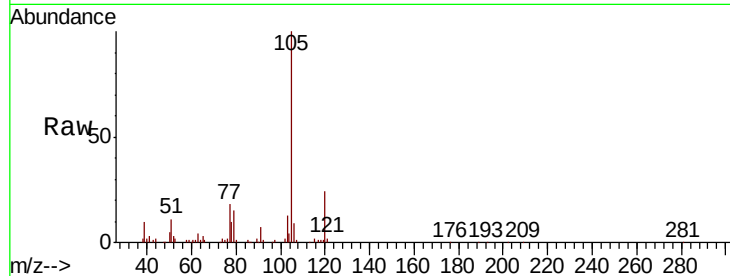




#73
Isopropylbenzene
Concen: 5.720 ug/l
RT: 11.23 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

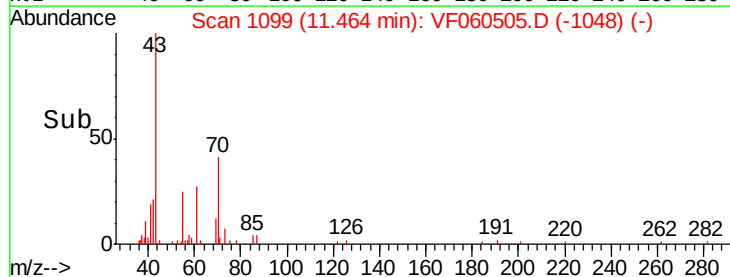
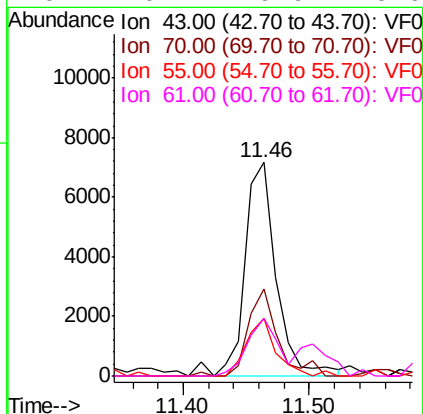
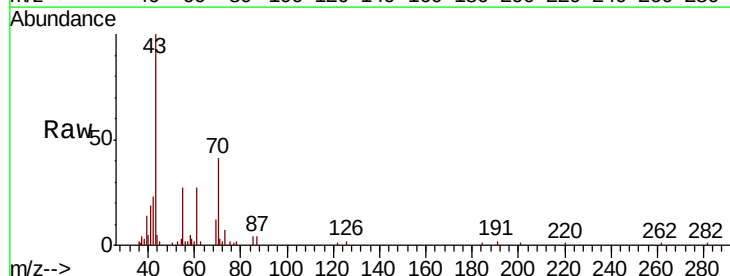
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

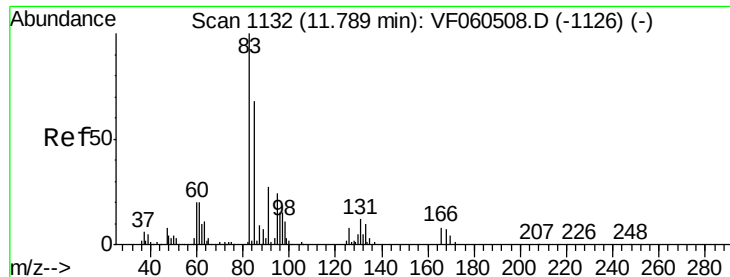
Tgt Ion: 105 Resp: 64116
Ion Ratio Lower Upper
105 100
120 23.6 11.6 34.7



#74
N-ethyl acetate
Concen: 5.131 ug/l
RT: 11.46 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Tgt Ion: 43 Resp: 12519
Ion Ratio Lower Upper
43 100
70 40.5 28.2 42.2
55 26.7 17.9 26.9
61 26.7 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 5.066 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

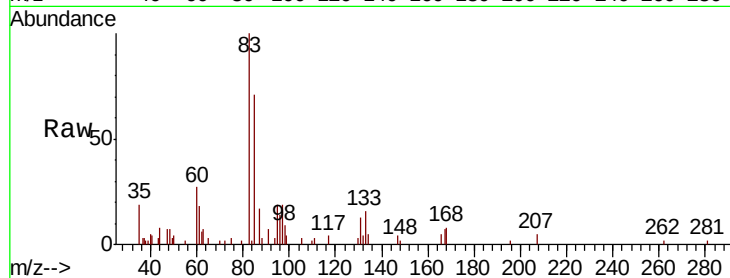
Tgt Ion: 83 Resp: 9545

Ion Ratio Lower Upper

83 100

131 13.1 5.8 17.4

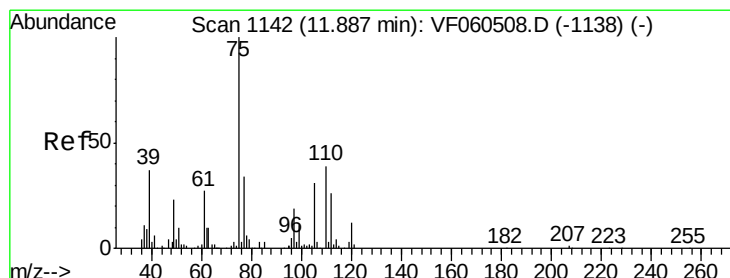
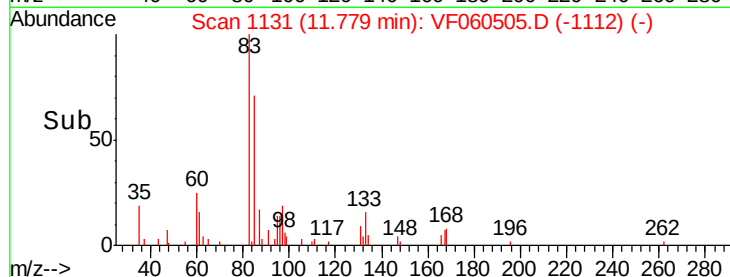
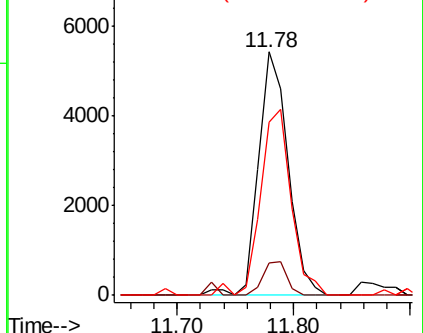
85 71.1 34.2 102.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 5.487 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060505.D

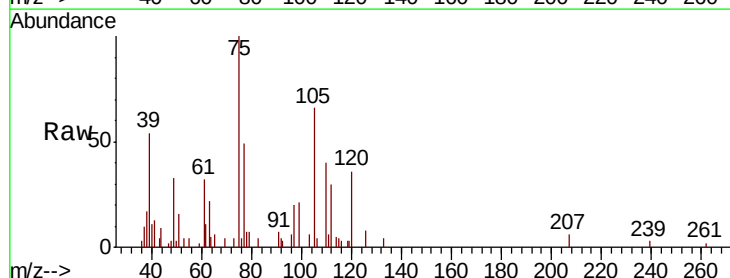
Acq: 25 Oct 2018 14:08

Tgt Ion: 75 Resp: 7992

Ion Ratio Lower Upper

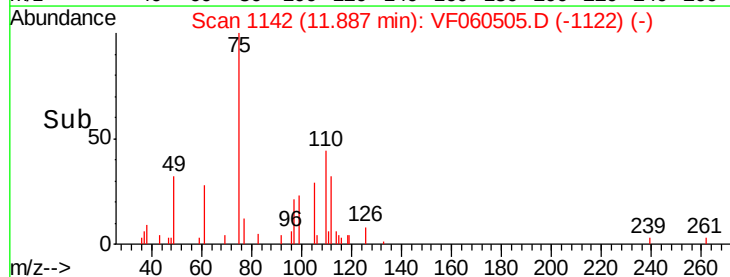
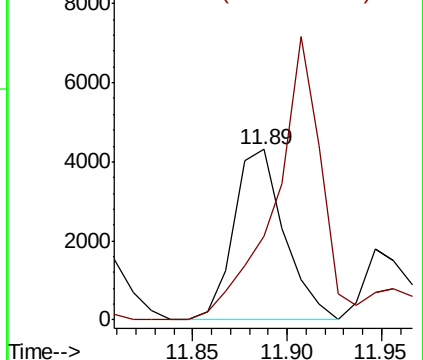
75 100

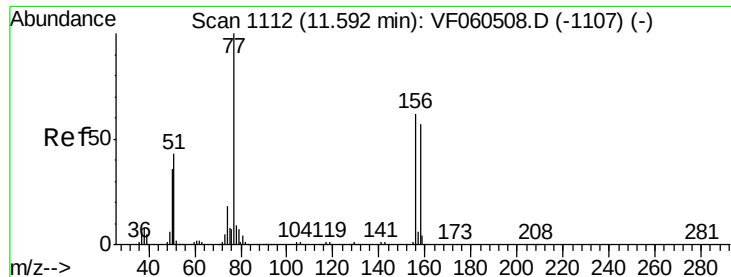
77 48.9 17.2 51.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 4.977 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

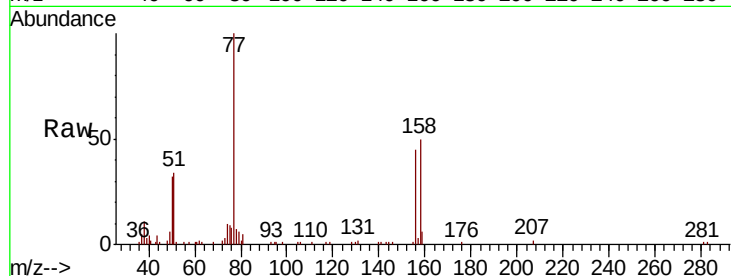
Tgt Ion:156 Resp: 12399

Ion Ratio Lower Upper

156 100

77 222.3 80.1 240.3

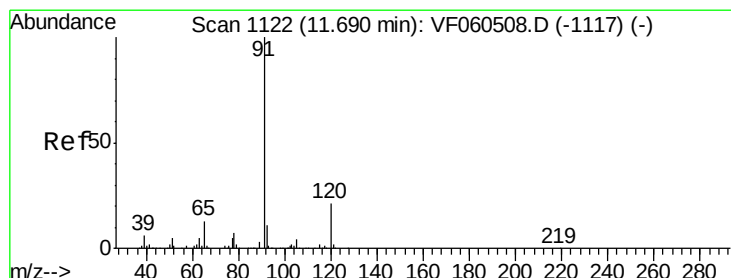
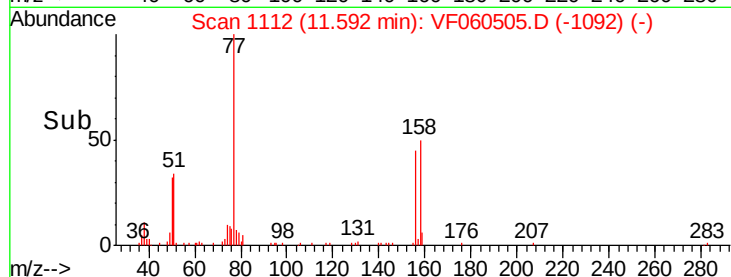
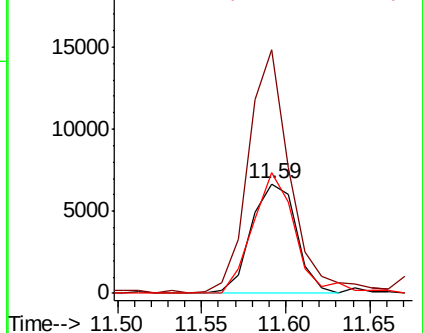
158 110.1 45.9 137.6



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: 6.091 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF060505.D

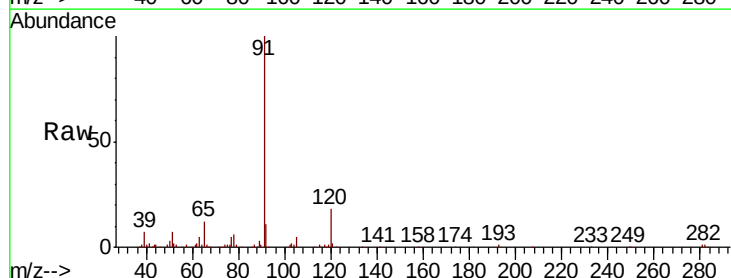
Acq: 25 Oct 2018 14:08

Tgt Ion: 91 Resp: 81319

Ion Ratio Lower Upper

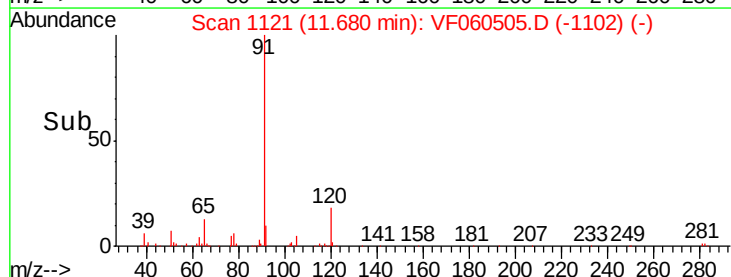
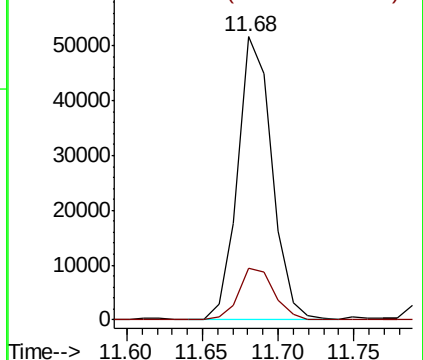
91 100

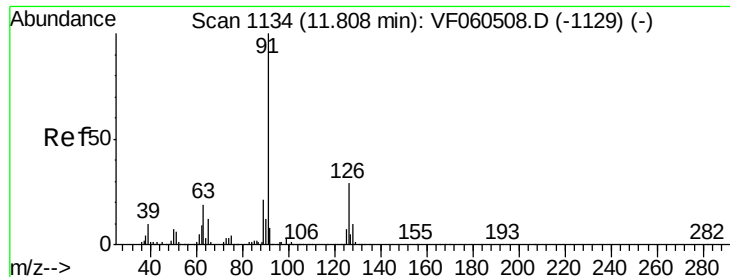
120 18.2 10.3 30.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.835 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

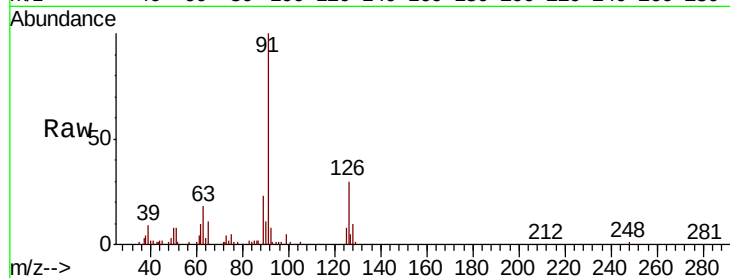
VSTDIC005

Tgt Ion: 91 Resp: 45609

Ion Ratio Lower Upper

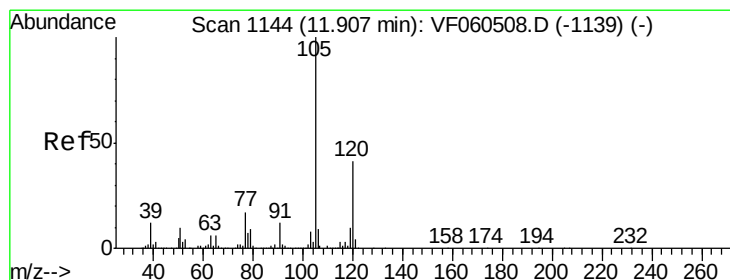
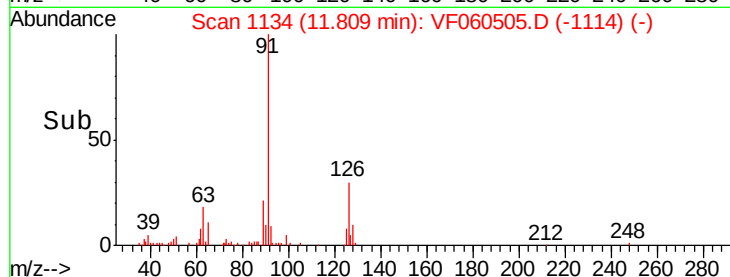
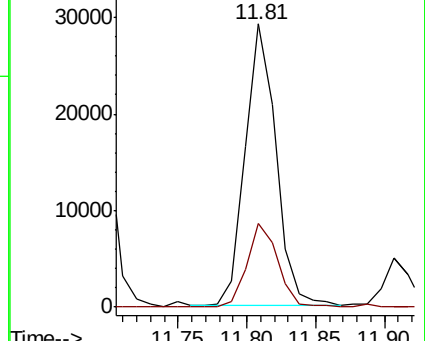
91 100

126 29.7 14.4 43.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 6.386 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060505.D

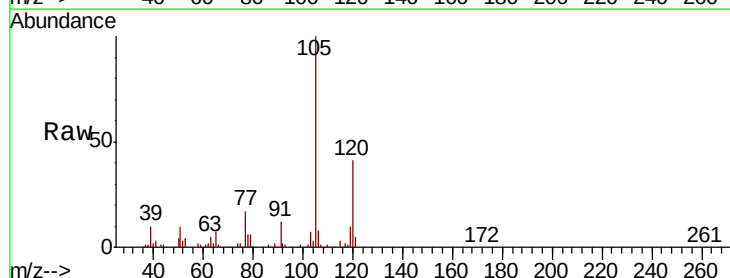
Acq: 25 Oct 2018 14:08

Tgt Ion: 105 Resp: 60057

Ion Ratio Lower Upper

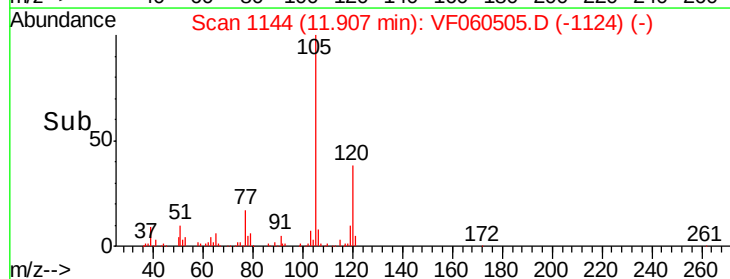
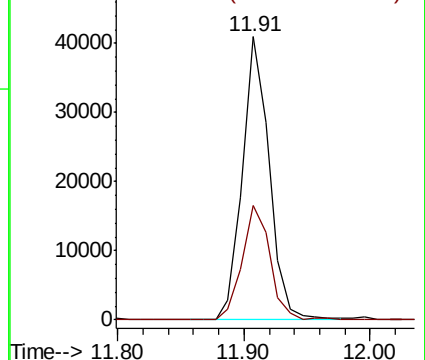
105 100

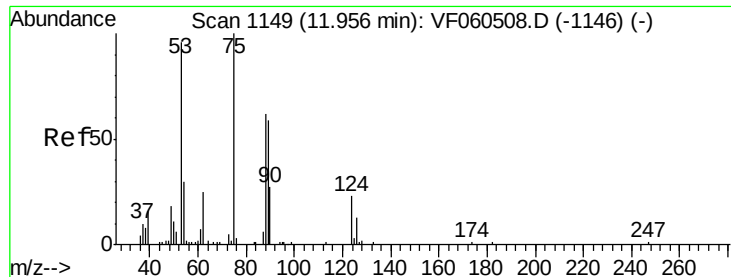
120 40.6 20.6 61.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 7.847 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

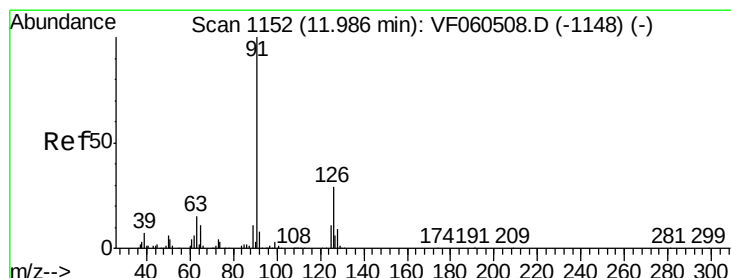
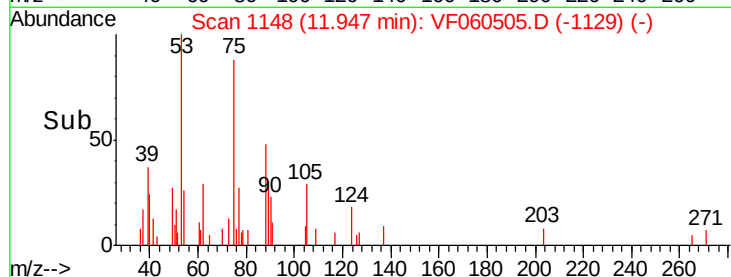
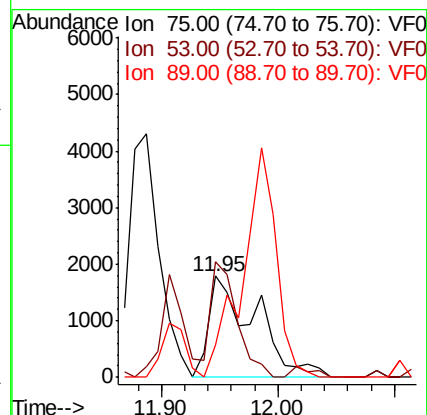
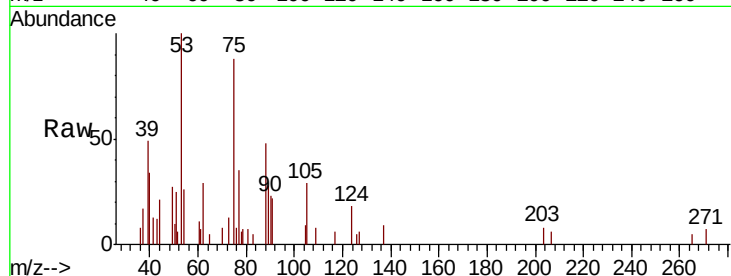
Tgt Ion: 75 Resp: 4983

Ion Ratio Lower Upper

75 100

53 113.5 85.0 127.6

89 31.9 50.2 75.4#



#82

4-Chlorotoluene

Concen: 6.040 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060505.D

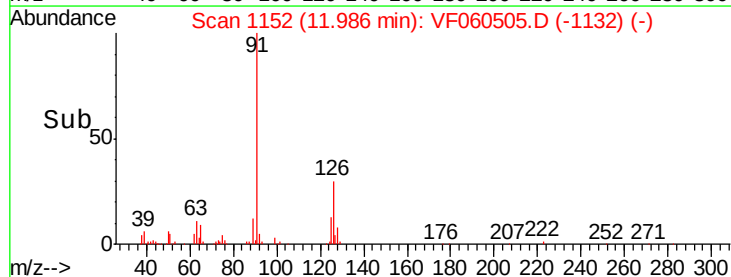
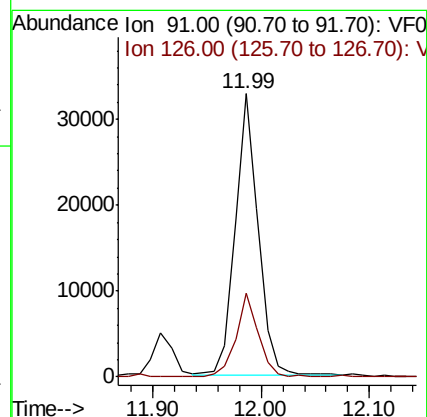
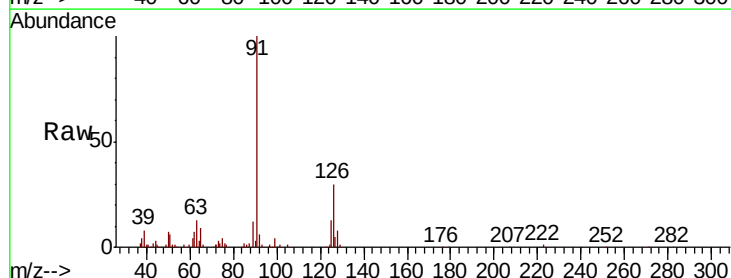
Acq: 25 Oct 2018 14:08

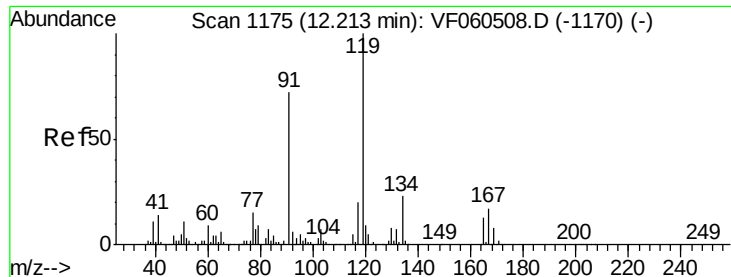
Tgt Ion: 91 Resp: 48702

Ion Ratio Lower Upper

91 100

126 29.7 14.8 44.4

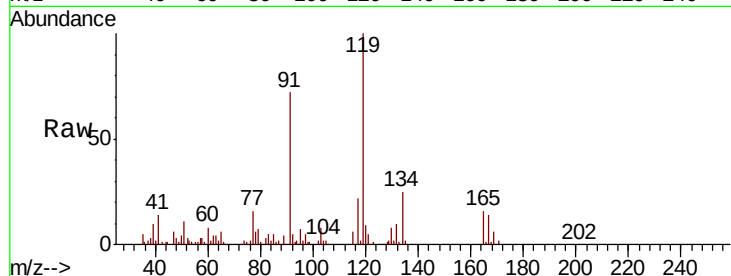




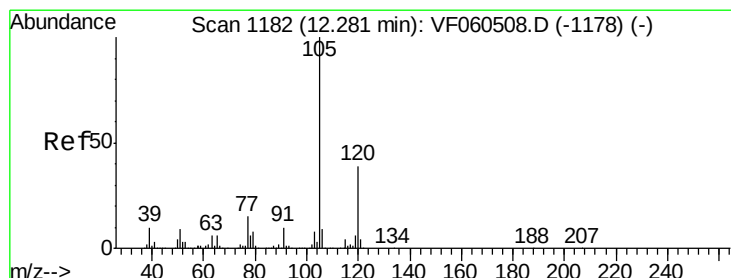
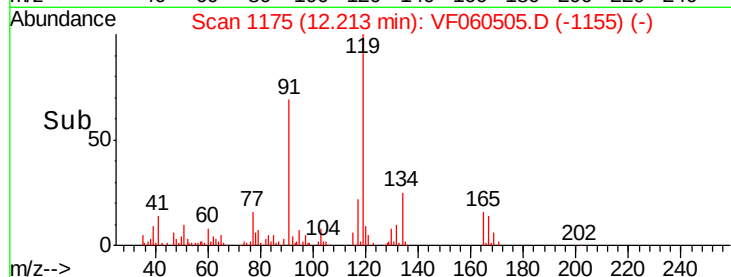
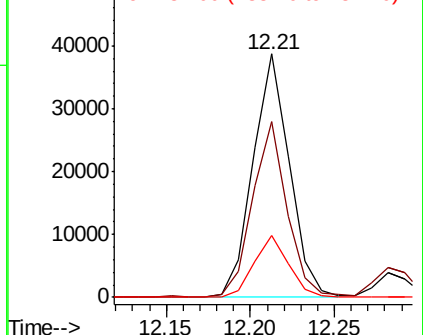
#83
 tert-Butylbenzene
 Concen: 6.167 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion:119 Resp: 58300
 Ion Ratio Lower Upper
 119 100
 91 72.3 36.3 108.9
 134 25.3 11.4 34.2

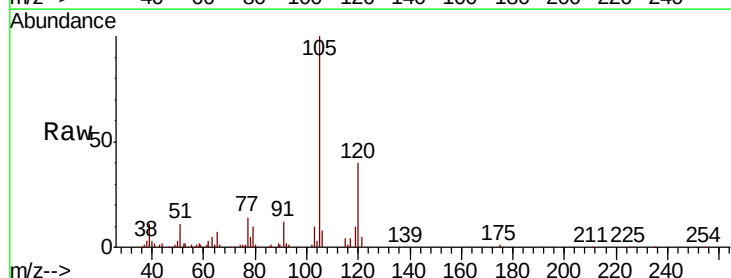


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

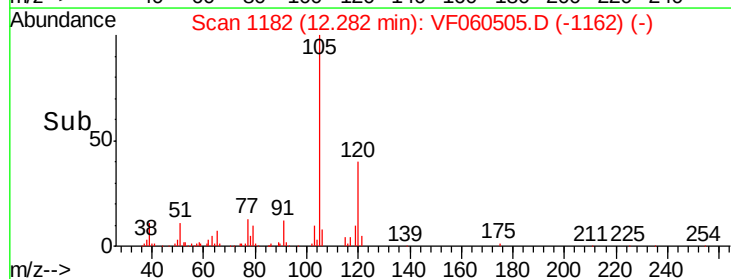
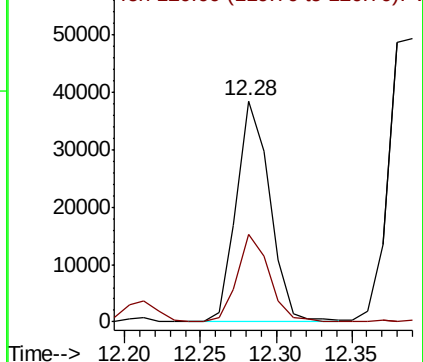


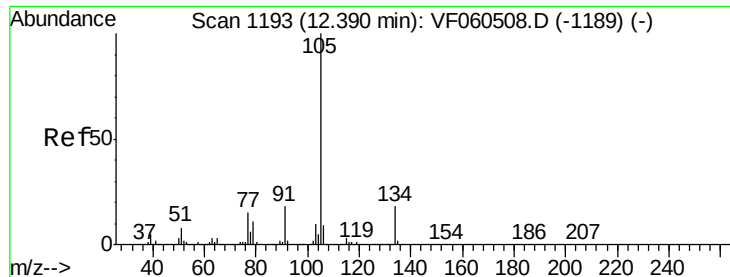
#84
 1,2,4-Trimethylbenzene
 Concen: 6.228 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Tgt Ion:105 Resp: 59460
 Ion Ratio Lower Upper
 105 100
 120 39.8 19.4 58.1



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 6.196 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

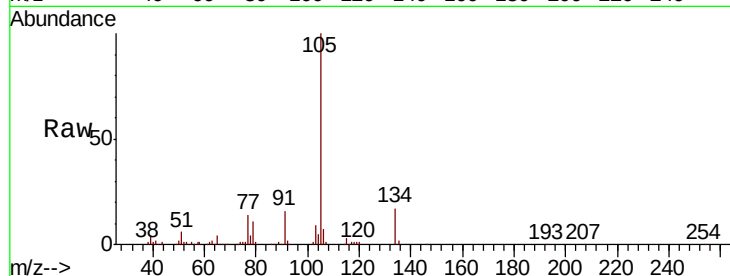
VSTDIC005

Tgt Ion:105 Resp: 79438

Ion Ratio Lower Upper

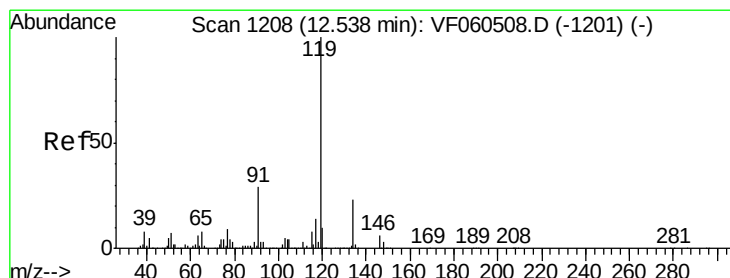
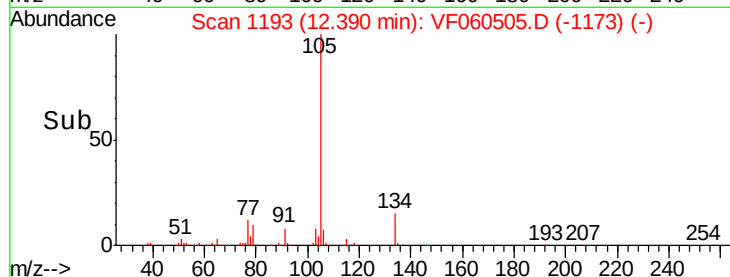
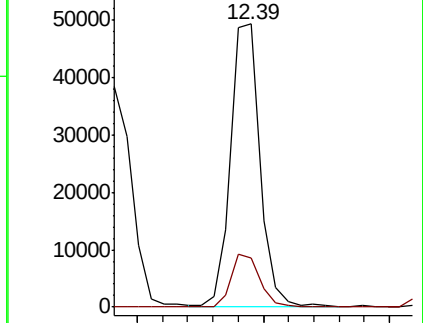
105 100

134 17.4 9.2 27.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 6.377 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060505.D

Acq: 25 Oct 2018 14:08

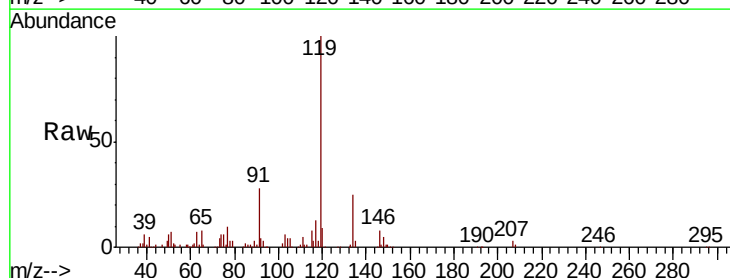
Tgt Ion:119 Resp: 67125

Ion Ratio Lower Upper

119 100

134 24.9 11.7 35.0

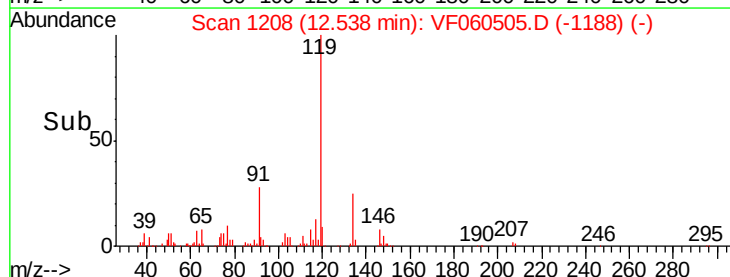
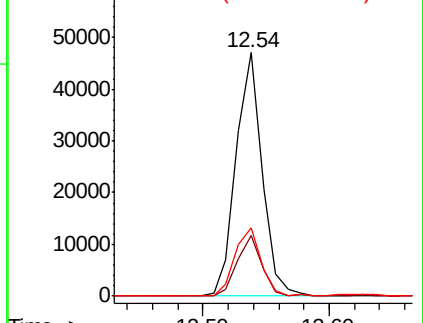
91 28.2 14.4 43.4

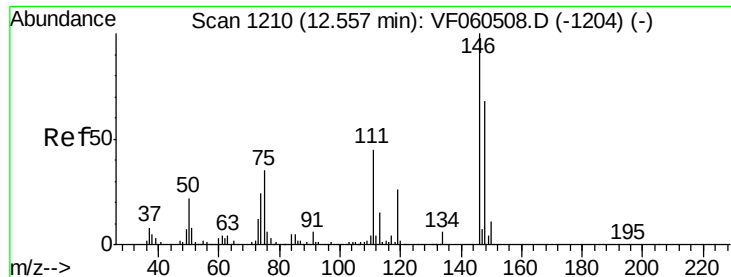


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

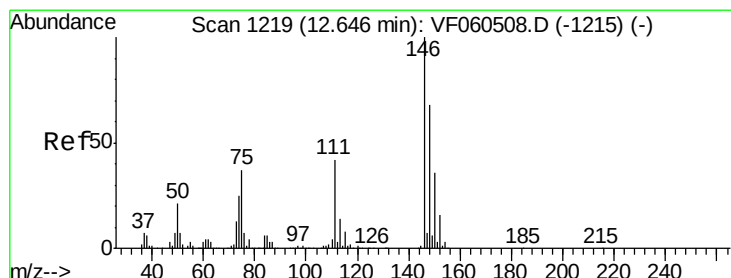
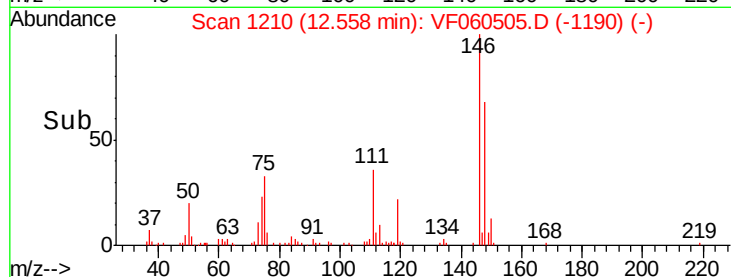
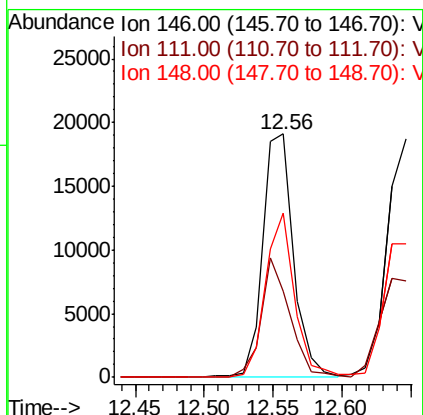
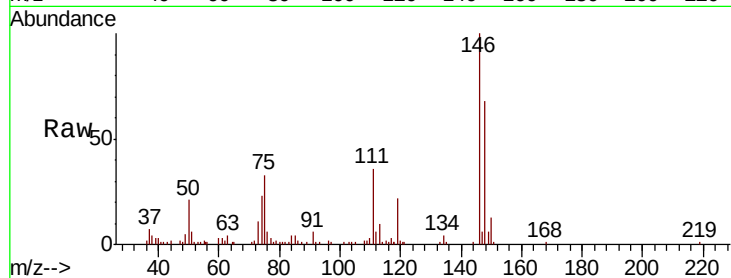




#87
 1,3-Dichlorobenzene
 Concen: 6.258 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

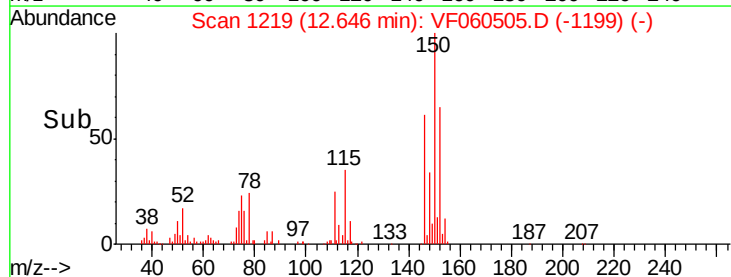
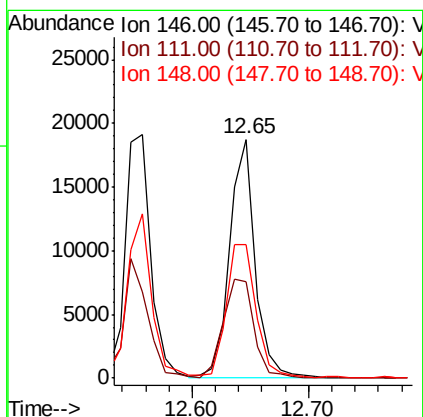
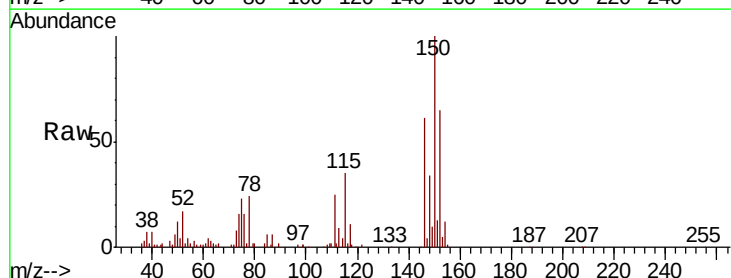
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

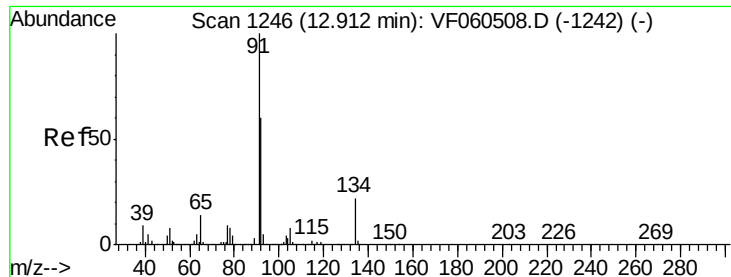
Tgt Ion:146 Resp: 29695
 Ion Ratio Lower Upper
 146 100
 111 35.6 22.3 66.8
 148 67.6 34.1 102.3



#88
 1,4-Dichlorobenzene
 Concen: 6.182 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Tgt Ion:146 Resp: 28446
 Ion Ratio Lower Upper
 146 100
 111 40.2 21.1 63.3
 148 56.0 33.9 101.7

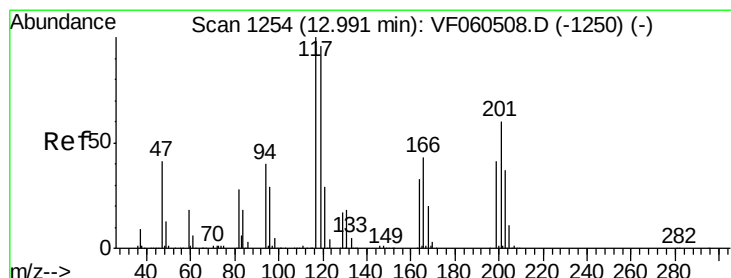
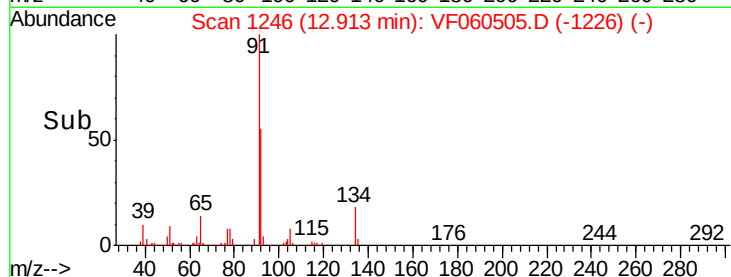
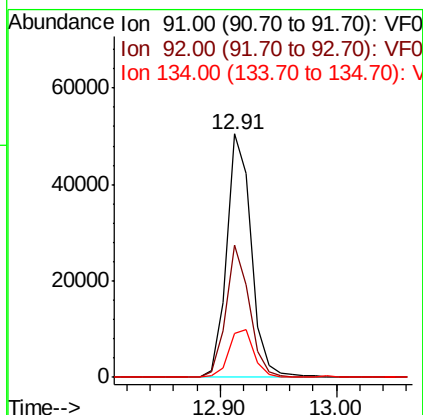
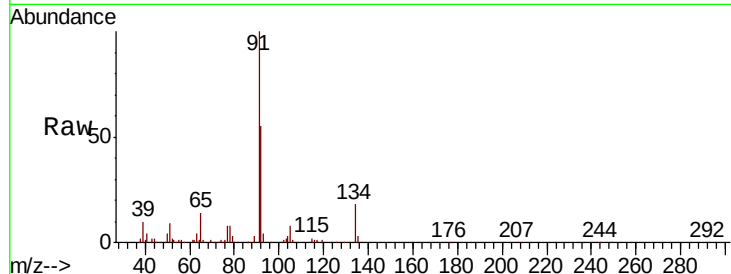




#89
n-Butylbenzene
Concen: 6.688 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

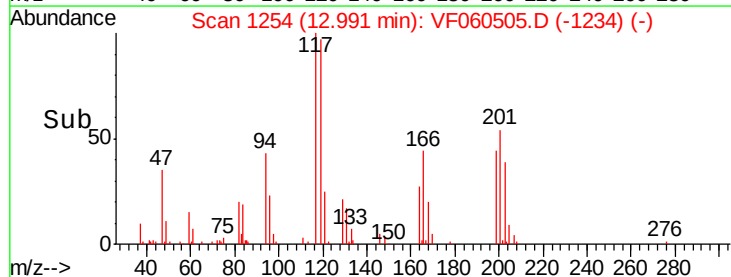
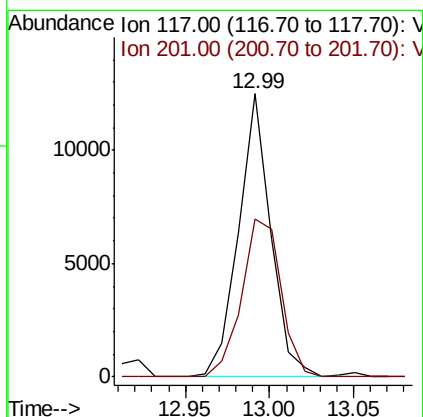
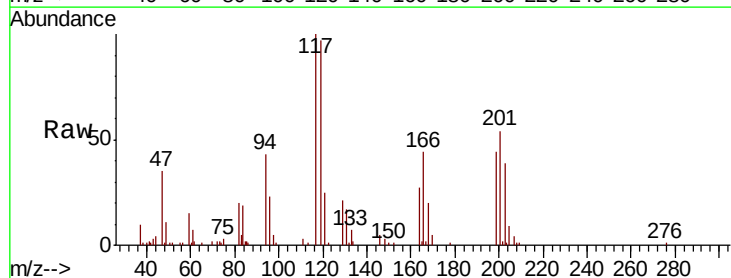
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

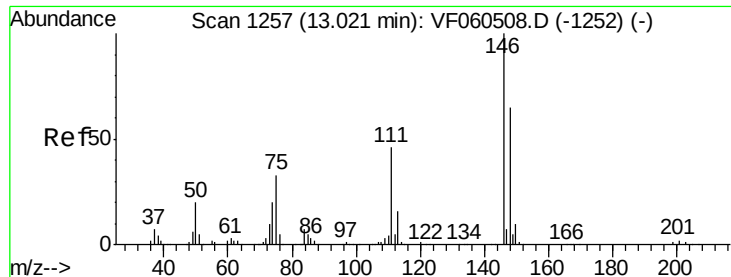
Tgt Ion: 91 Resp: 73664
Ion Ratio Lower Upper
91 100
92 54.5 29.8 89.3
134 18.2 10.9 32.7



#90
Hexachloroethane
Concen: 6.609 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Tgt Ion: 117 Resp: 16634
Ion Ratio Lower Upper
117 100
201 56.0 30.1 90.5

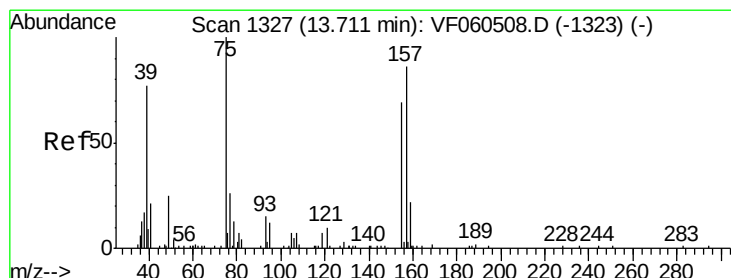
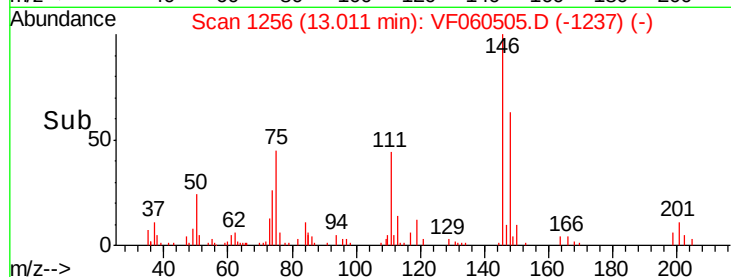
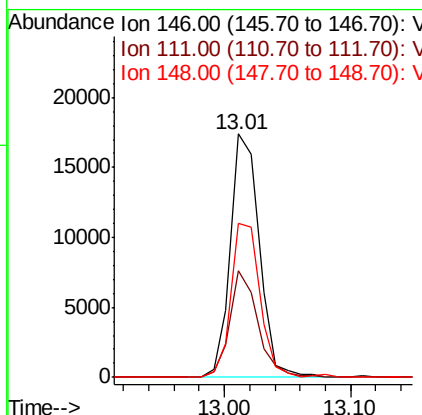
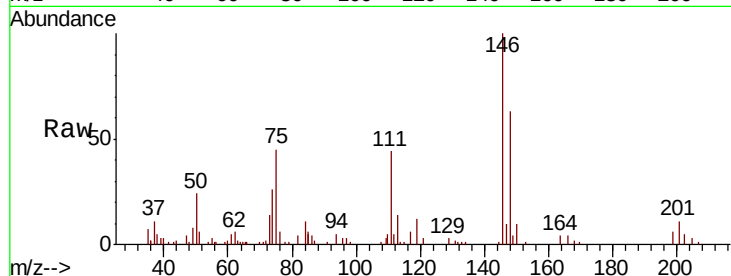




#91
 1,2-Dichlorobenzene
 Concen: 6.027 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

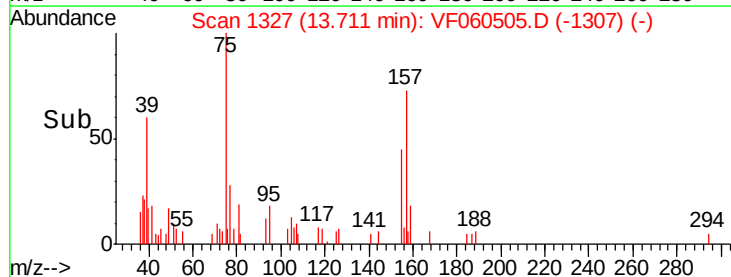
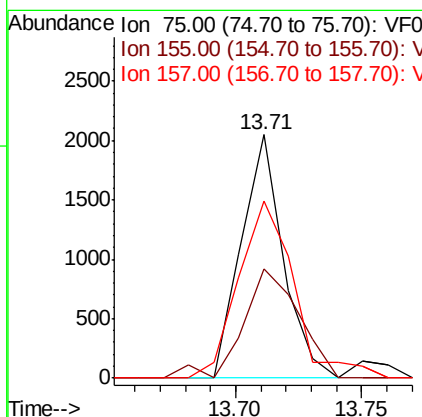
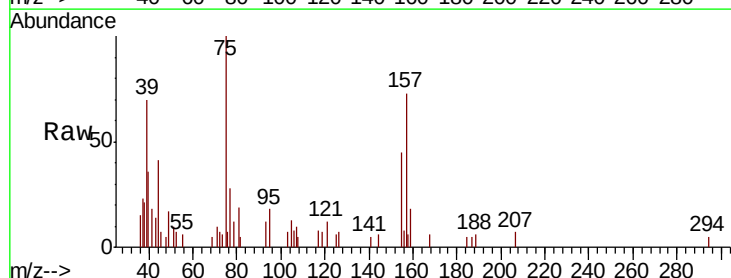
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

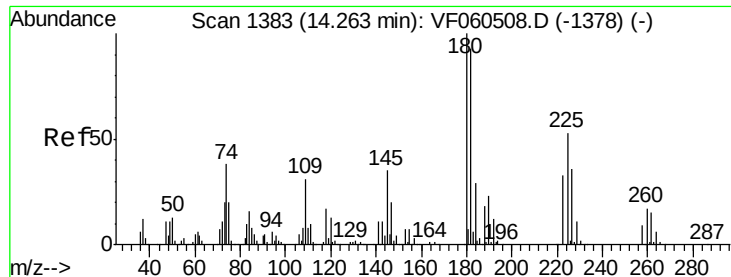
Tgt Ion: 146 Resp: 27529
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.8 68.4
 148 63.2 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.896 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Tgt Ion: 75 Resp: 2358
 Ion Ratio Lower Upper
 75 100
 155 45.0 34.7 104.1
 157 72.6 42.9 128.5

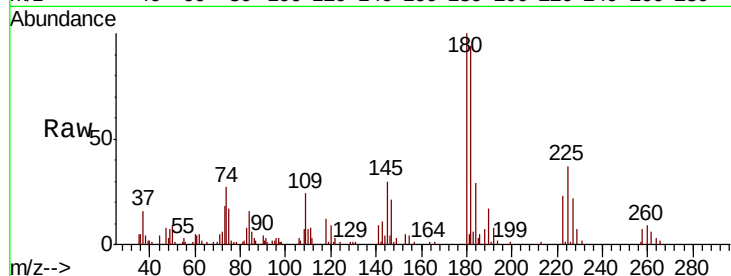




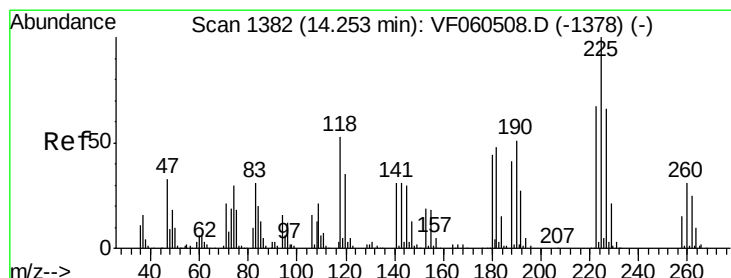
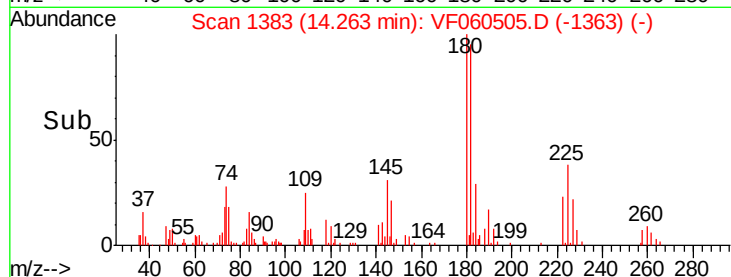
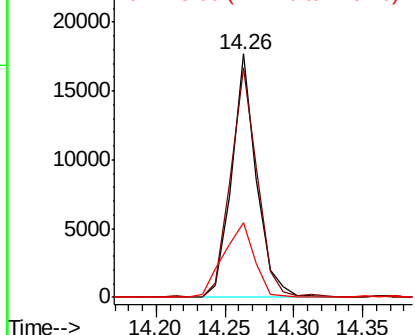
#93
 1,2,4-Trichlorobenzene
 Concen: 6.258 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 22074
 Ion Ratio Lower Upper
 180 100
 182 94.3 46.7 140.0
 145 30.4 17.3 52.0

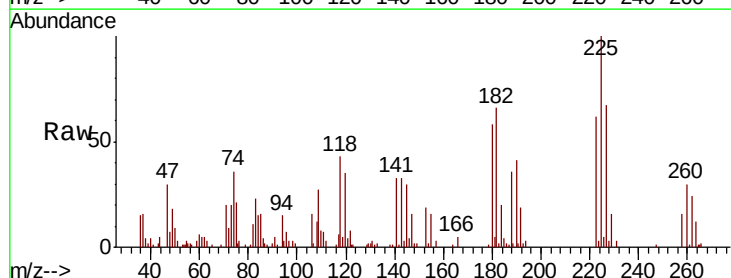


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

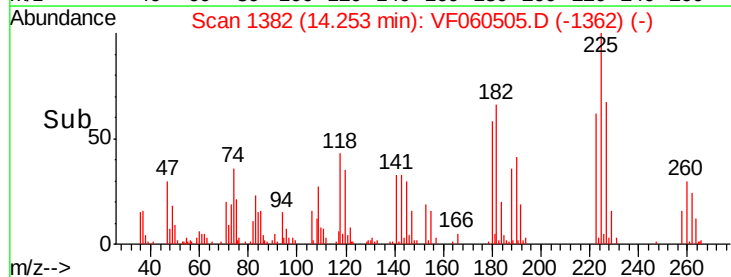
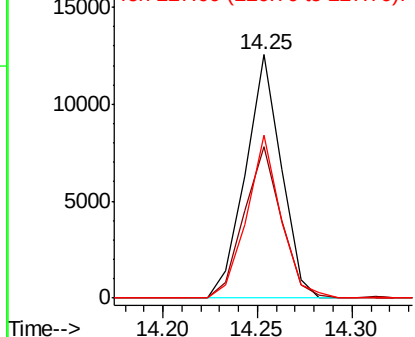


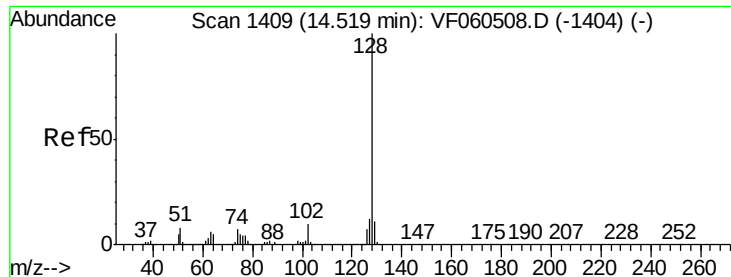
#94
 Hexachlorobutadiene
 Concen: 6.850 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060505.D
 Acq: 25 Oct 2018 14:08

Tgt Ion:225 Resp: 16428
 Ion Ratio Lower Upper
 225 100
 223 62.0 33.4 100.2
 227 67.2 32.9 98.6



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

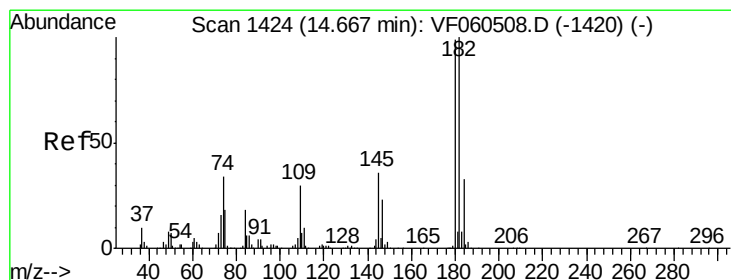
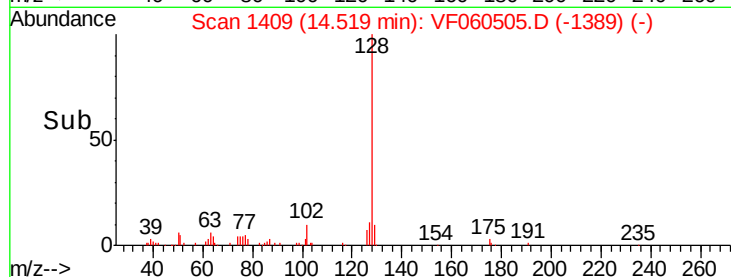
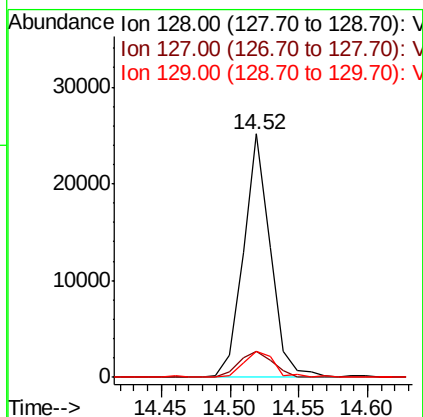
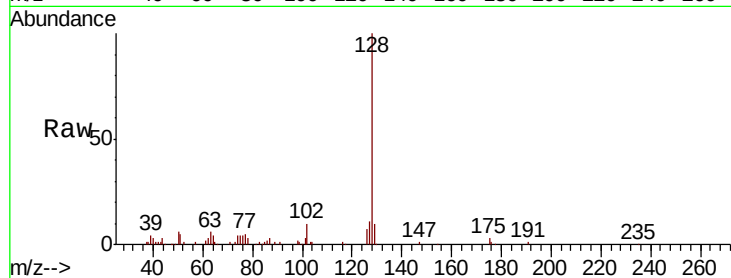




#95
Naphthalene
Concen: 5.675 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 34409
Ion Ratio Lower Upper
128 100
127 10.9 10.0 15.0
129 10.4 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 5.514 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VF060505.D
Acq: 25 Oct 2018 14:08

Tgt Ion:180 Resp: 18122
Ion Ratio Lower Upper
180 100
182 102.1 50.7 152.1
145 36.7 18.1 54.4

