

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF102518\
 Data File : VF060510.D
 Acq On : 25 Oct 2018 16:31
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 26 00:35:49 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	5.05	168	179200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	270052	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	250888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	167412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	335958	123.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	247.24%	
35) Dibromofluoromethane	4.30	113	285315	114.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.56%	
50) Toluene-d8	7.71	98	613387	102.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.32%	
62) 4-Bromofluorobenzene	11.51	95	314969	120.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	240.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	396242	112.529	ug/l	89
3) Chloromethane	1.15	50	210195	96.486	ug/l	95
4) Vinyl Chloride	1.19	62	239223	101.237	ug/l	98
5) Bromomethane	1.37	94	216483	116.494	ug/l	97
6) Chloroethane	1.43	64	147488	118.074	ug/l	99
7) Trichlorofluoromethane	1.55	101	712937	134.606	ug/l	97
8) Diethyl Ether	1.70	74	79708	105.176	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	319893	120.739	ug/l	90
10) Methyl Iodide	1.97	142	336788	80.176	ug/l	98
11) Tert butyl alcohol	2.69	59	81715	573.839	ug/l #	86
12) 1,1-Dichloroethene	1.86	96	241877	109.292	ug/l	77
13) Acrolein	2.09	56	81575	924.499	ug/l	92
14) Allyl chloride	2.19	41	380256	116.563	ug/l	98
15) Acrylonitrile	3.07	53	141044	470.475	ug/l	86
16) Acetone	2.33	43	333117	559.385	ug/l	96
17) Carbon Disulfide	1.88	76	438070	71.179	ug/l	100
18) Methyl Acetate	2.45	43	112703	99.855	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	594182	119.270	ug/l	99
20) Methylene Chloride	2.28	84	110836	53.615	ug/l	99
21) trans-1,2-Dichloroethene	2.41	96	231660	112.150	ug/l	90
22) Diisopropyl ether	2.93	45	686036	102.305	ug/l	96
23) Vinyl Acetate	3.33	43	1089270	464.023	ug/l	98
24) 1,1-Dichloroethane	3.01	63	498603	110.796	ug/l	99
25) 2-Butanone	4.50	43	271067	418.159	ug/l	99
26) 2,2-Dichloropropane	3.76	77	309741	132.007	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	220893	91.611	ug/l	91
28) Bromochloromethane	3.88	49	140961	90.182	ug/l	96
29) Tetrahydrofuran	4.25	42	112269	410.847	ug/l	100
30) Chloroform	4.04	83	578190	111.026	ug/l	92
31) Cyclohexane	3.85	56	251607	87.397	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	509560	124.204	ug/l	96
36) 1,1-Dichloropropene	4.45	75	358979	114.282	ug/l	95
37) Ethyl Acetate	4.29	43	102895	92.736	ug/l #	89
38) Carbon Tetrachloride	4.17	117	591305	187.399	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	292334	98.842	ug/l	87
40) Benzene	4.81	78	607038	94.122	ug/l	100
41) Methacrylonitrile	4.92	41	61098	96.916	ug/l #	89
42) 1,2-Dichloroethane	5.11	62	395555	135.192	ug/l	100
43) Isopropyl Acetate	7.11	43	123416	89.246	ug/l #	96
44) Trichloroethene	5.68	130	207956	103.505	ug/l	94
45) 1,2-Dichloropropane	6.41	63	152413	96.538	ug/l	98
46) Dibromomethane	6.25	93	144821	114.355	ug/l	93
47) Bromodichloromethane	6.54	83	410107	128.222	ug/l	98
48) Methyl methacrylate	6.87	41	100022	106.775	ug/l	99
49) 1,4-Dioxane	6.86	88	18425	2287.886	ug/l #	84
51) 4-Methyl-2-Pentanone	8.41	43	488866	506.771	ug/l	95
52) Toluene	7.78	92	382866	94.260	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	280622	112.968	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	309631	107.022	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	129038	103.368	ug/l	92
56) Ethyl methacrylate	8.76	69	143197	99.143	ug/l	89
57) 1,3-Dichloropropane	9.00	76	217085	100.993	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	87121	593.579	ug/l	100
59) 2-Hexanone	9.63	43	326771	468.300	ug/l	98
60) Dibromochloromethane	8.86	129	249624	127.390	ug/l	98
61) 1,2-Dibromoethane	9.14	107	151998	107.763	ug/l	97
64) Tetrachloroethene	8.31	164	185994	93.534	ug/l	95
65) Chlorobenzene	9.94	112	481870	98.898	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	257570	117.358	ug/l	96
67) Ethyl Benzene	10.03	91	947765	103.101	ug/l	98
68) m/p-Xylenes	10.27	106	615415	196.114	ug/l	94
69) o-Xylene	10.83	106	356708	104.526	ug/l	87
70) Styrene	10.90	104	479818	97.678	ug/l	99
71) Bromoform	10.89	173	134351	120.743	ug/l	99
73) Isopropylbenzene	11.23	105	1155695	92.870	ug/l	97
74) N-amyl acetate	11.46	43	218778	80.771	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	197893	94.612	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	159271	98.501	ug/l	98
77) Bromobenzene	11.59	156	264826	95.762	ug/l	95
78) n-propylbenzene	11.69	91	1390213	93.800	ug/l	97
79) 2-Chlorotoluene	11.82	91	868510	100.098	ug/l	93
80) 1,3,5-Trimethylbenzene	11.92	105	1053110	100.876	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.96	75	101482	143.949	ug/l	82
82) 4-Chlorotoluene	11.98	91	888244	99.225	ug/l	99
83) tert-Butylbenzene	12.21	119	1065666	101.542	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	1037341	97.870	ug/l	91
85) sec-Butylbenzene	12.39	105	1435009	100.818	ug/l	96
86) p-Isopropyltoluene	12.54	119	1177600	100.781	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	489459	92.920	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	505911	99.034	ug/l	99
89) n-Butylbenzene	12.92	91	1214709	99.346	ug/l	93
90) Hexachloroethane	12.99	117	329860	118.057	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	482417	95.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	49977	112.574	ug/l	98

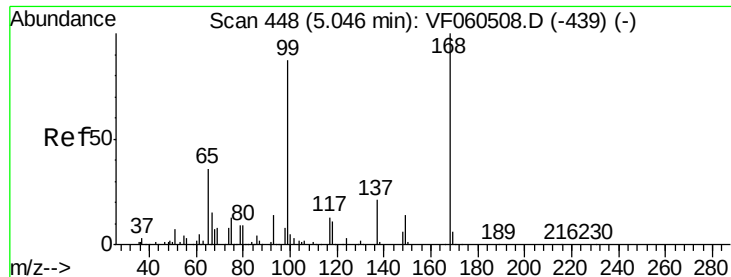
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	386522	98.705	ug/l	96
94) Hexachlorobutadiene	14.25	225	300349	112.815	ug/l	97
95) Naphthalene	14.52	128	744553	110.605	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	389056	106.640	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 448

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

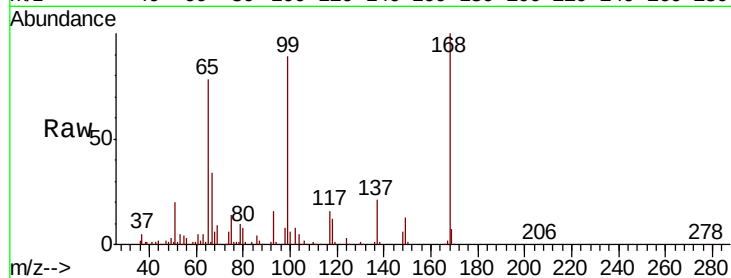
VSTDIC100

Tgt Ion:168 Resp: 179200

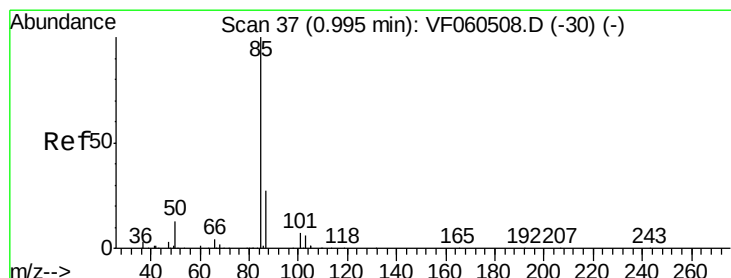
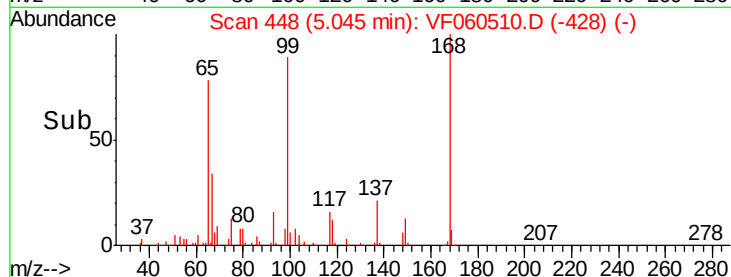
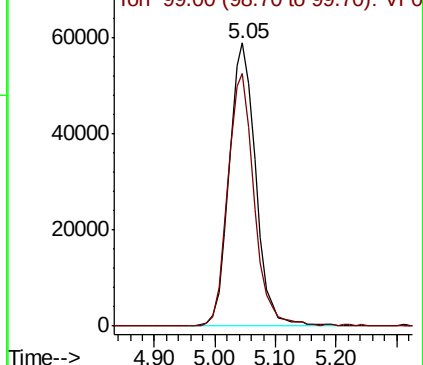
Ion Ratio Lower Upper

168 100

99 89.4 69.9 104.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 112.529 ug/l

RT: 1.00 min Scan# 38

Delta R.T. 0.01 min

Lab File: VF060510.D

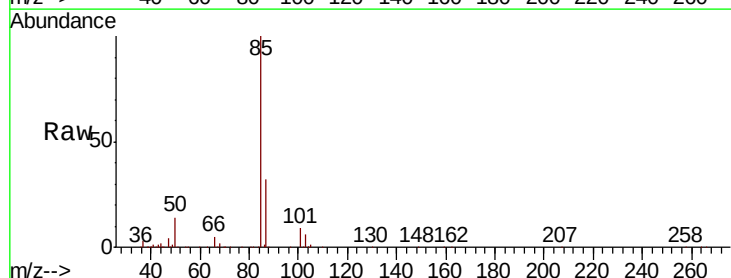
Acq: 25 Oct 2018 16:31

Tgt Ion: 85 Resp: 396242

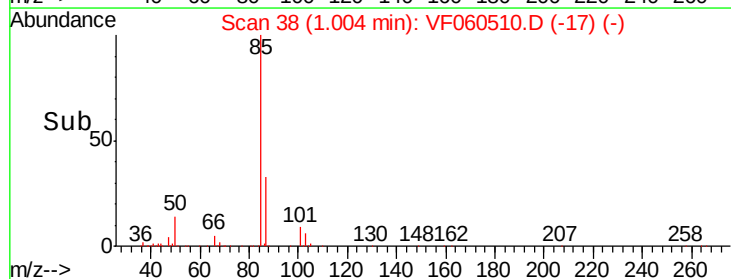
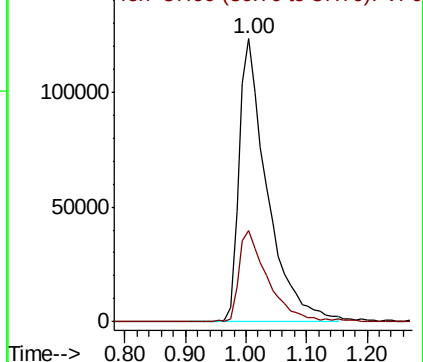
Ion Ratio Lower Upper

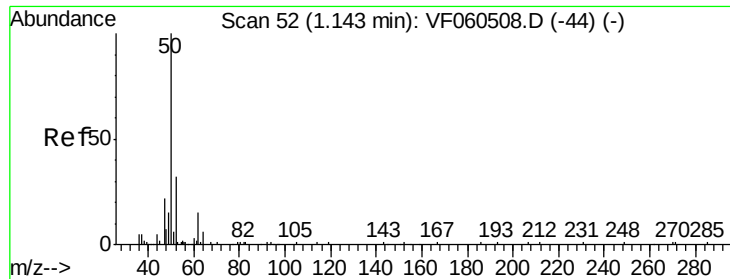
85 100

87 32.5 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 96.486 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

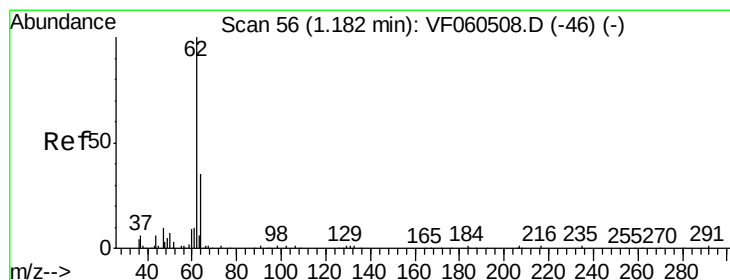
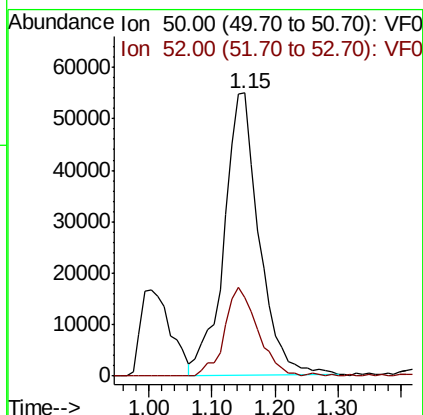
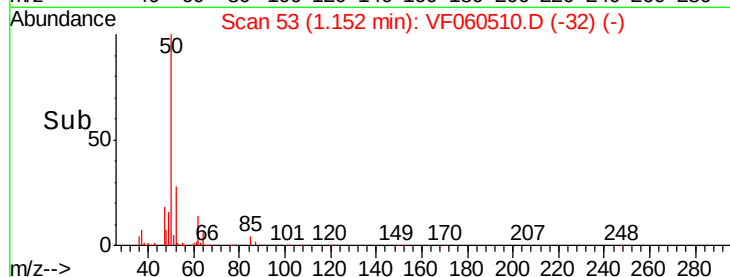
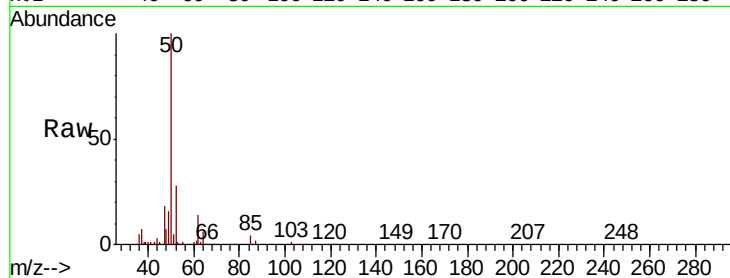
VSTDIC100

Tgt Ion: 50 Resp: 210195

Ion Ratio Lower Upper

50 100

52 27.8 24.5 36.7



#4

Vinyl Chloride

Concen: 101.237 ug/l

RT: 1.19 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF060510.D

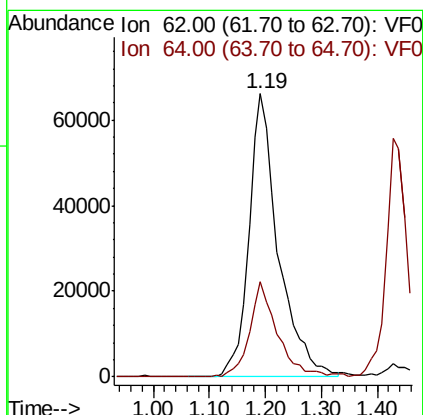
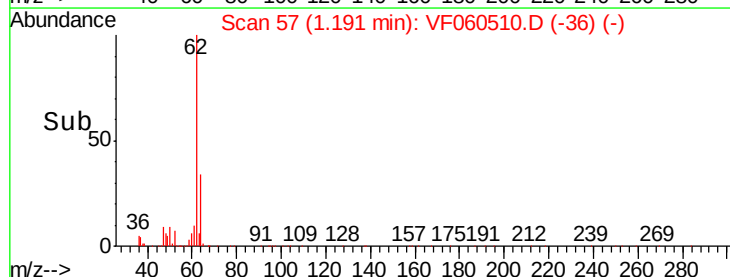
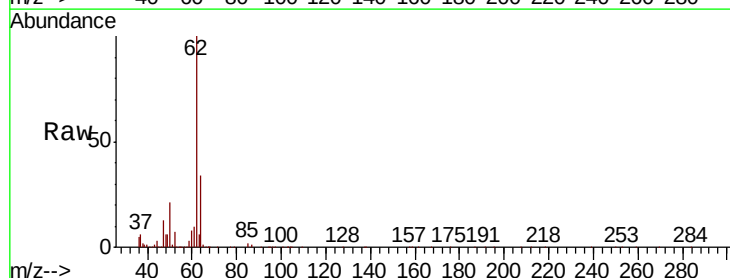
Acq: 25 Oct 2018 16:31

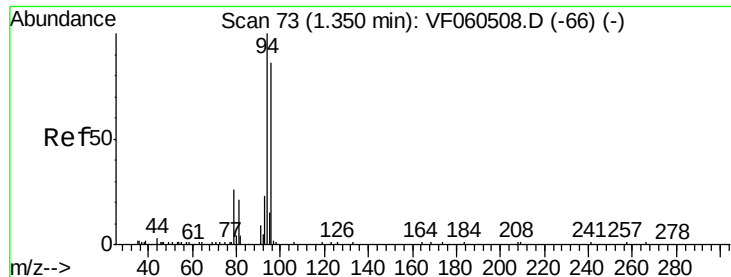
Tgt Ion: 62 Resp: 239223

Ion Ratio Lower Upper

62 100

64 33.7 27.8 41.8





#5

Bromomethane

Concen: 116.494 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.02 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

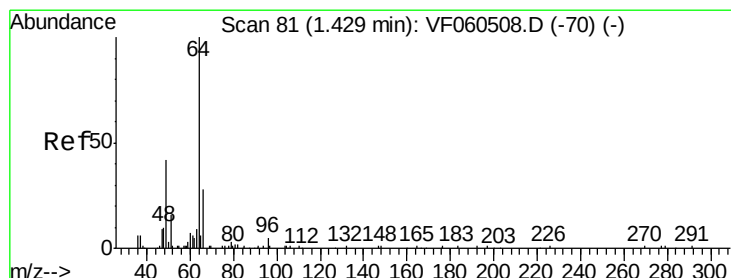
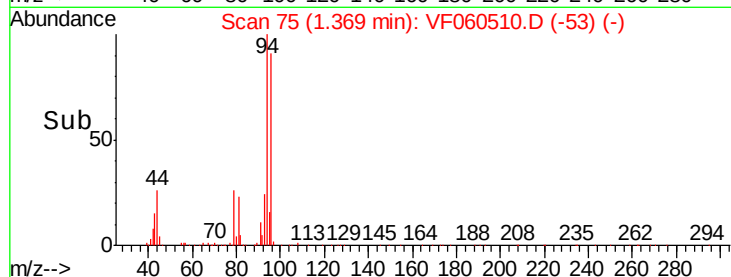
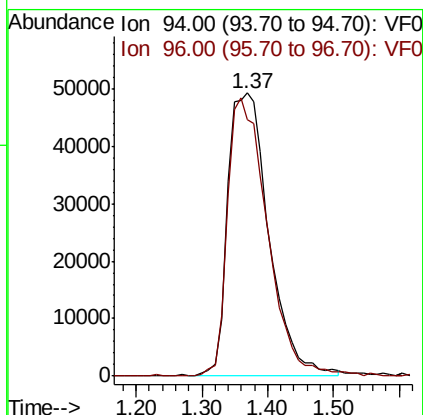
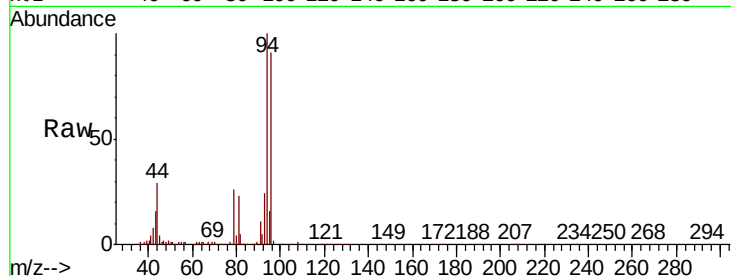
VSTDIC100

Tgt Ion: 94 Resp: 216483

Ion Ratio Lower Upper

94 100

96 90.7 70.6 105.8



#6

Chloroethane

Concen: 118.074 ug/l

RT: 1.43 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF060510.D

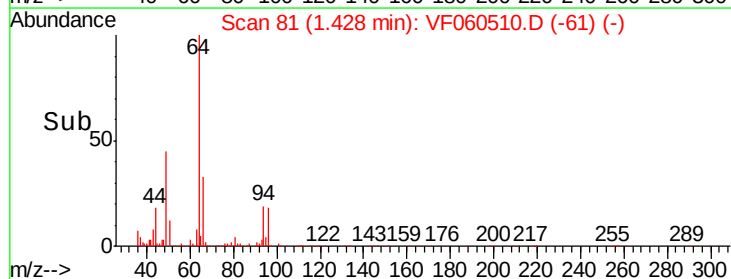
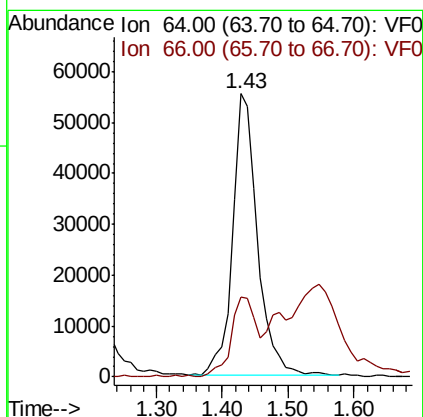
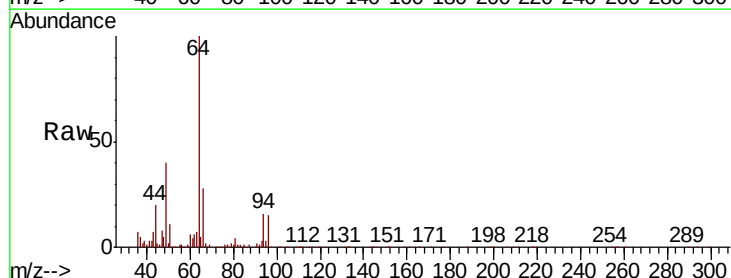
Acq: 25 Oct 2018 16:31

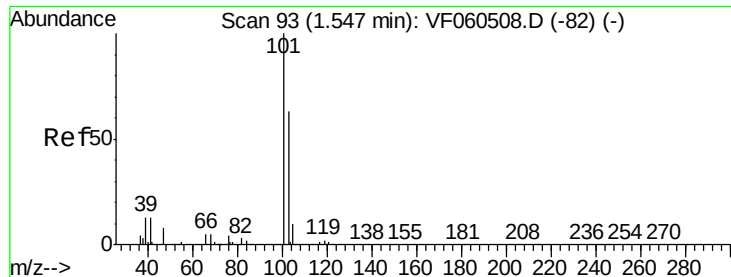
Tgt Ion: 64 Resp: 147488

Ion Ratio Lower Upper

64 100

66 28.4 22.4 33.6



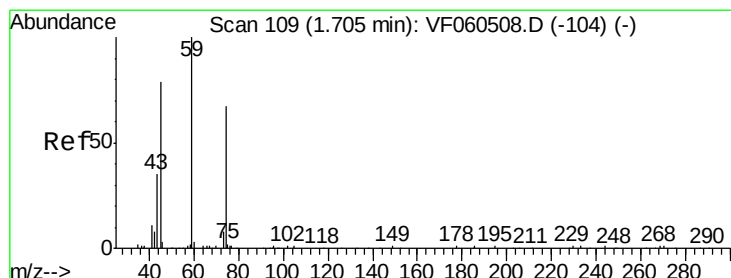
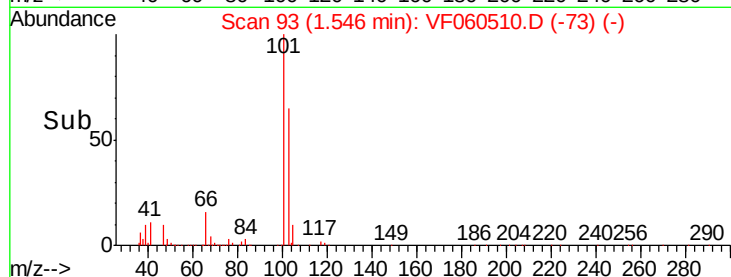
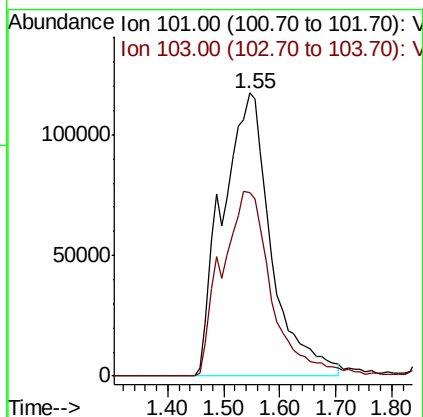
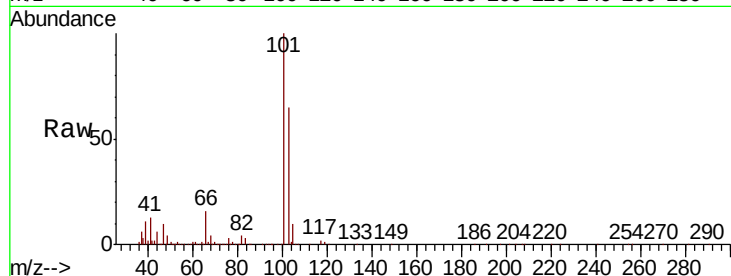


#7

Trichlorofluoromethane
Concen: 134.606 ug/l
RT: 1.55 min Scan# 93
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

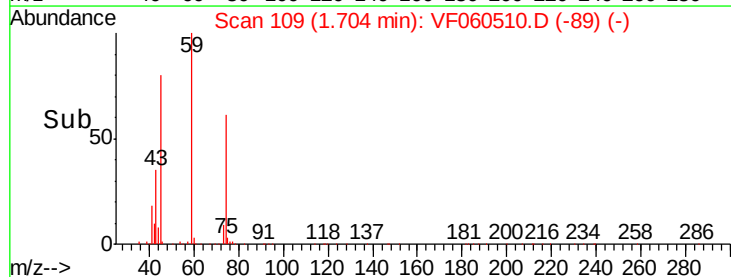
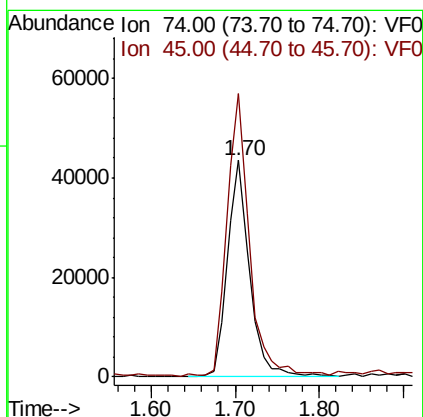
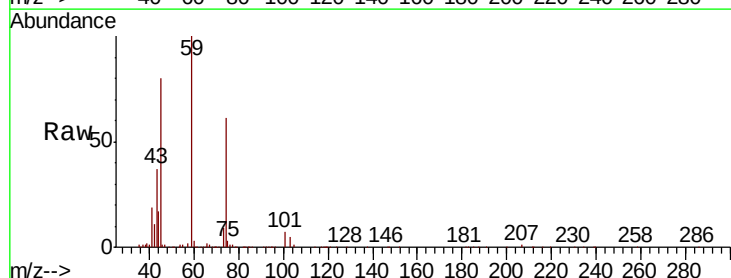
Tgt Ion:101 Resp: 712937
Ion Ratio Lower Upper
101 100
103 65.1 50.4 75.6

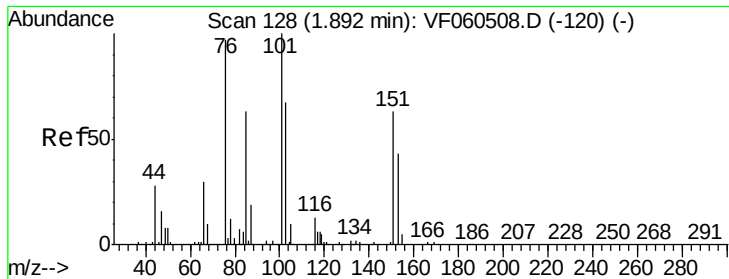


#8

Diethyl Ether
Concen: 105.176 ug/l
RT: 1.70 min Scan# 109
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion: 74 Resp: 79708
Ion Ratio Lower Upper
74 100
45 130.7 62.1 186.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 120.739 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

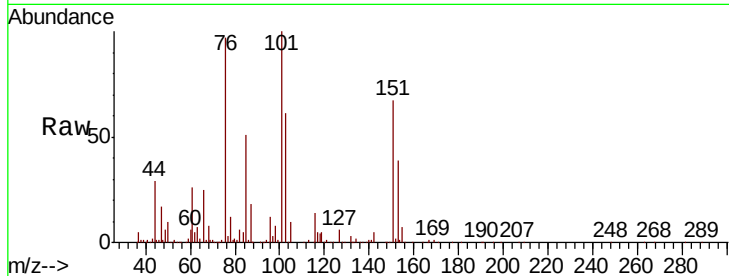
Tgt Ion:101 Resp: 319893

Ion Ratio Lower Upper

101 100

85 50.9 49.9 74.9

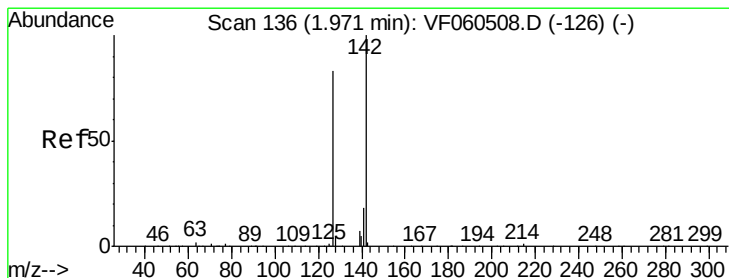
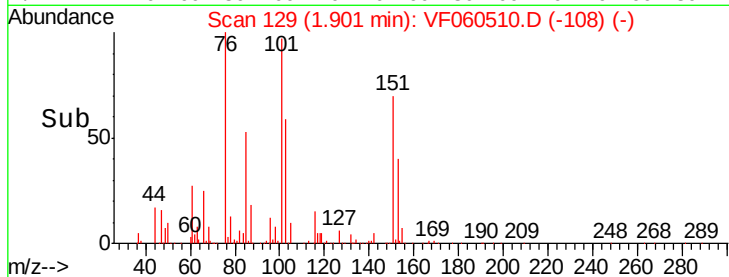
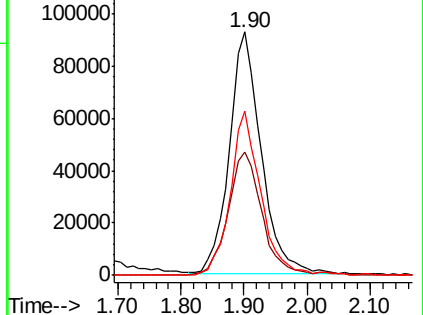
151 67.4 50.6 76.0



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: 80.176 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

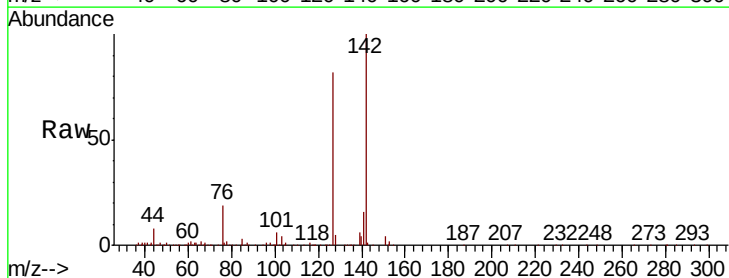
Tgt Ion:142 Resp: 336788

Ion Ratio Lower Upper

142 100

127 82.0 66.5 99.7

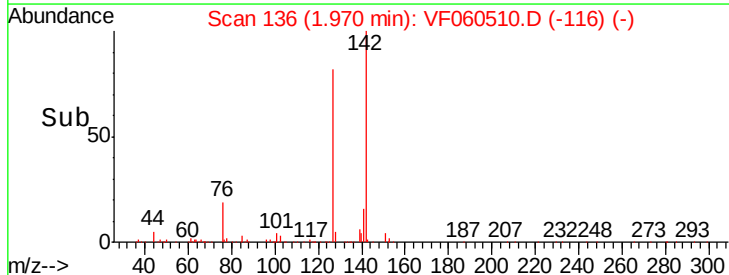
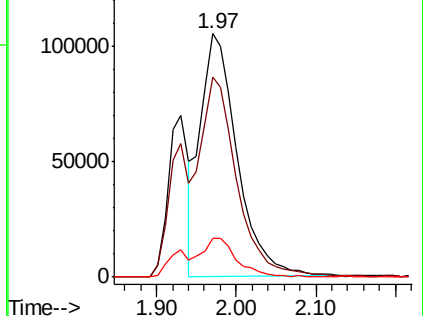
141 16.1 14.2 21.4

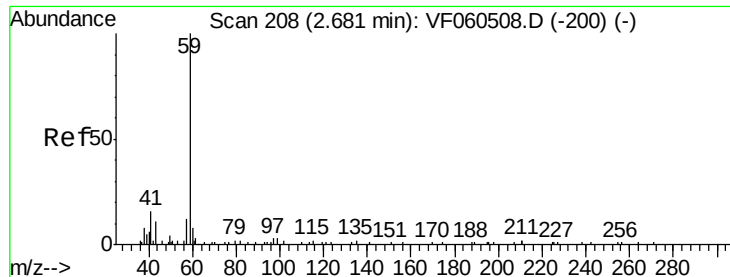


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

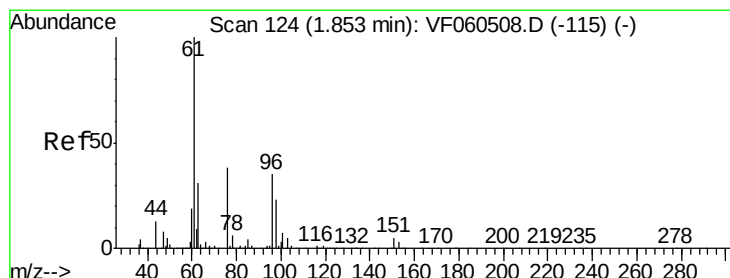
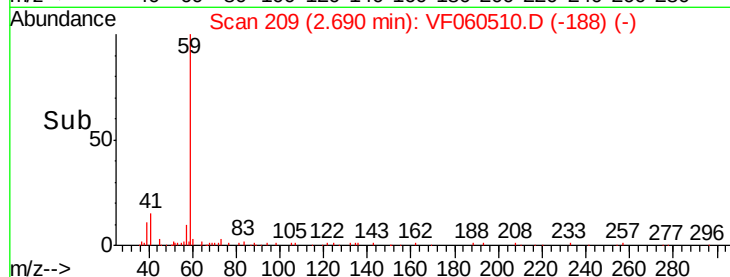
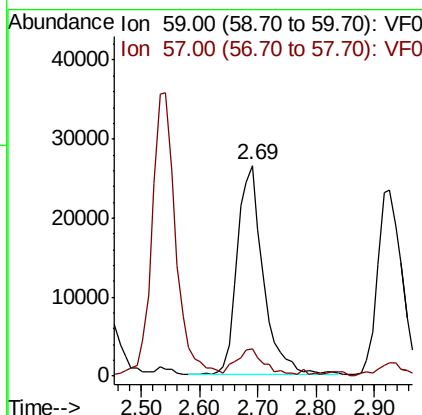
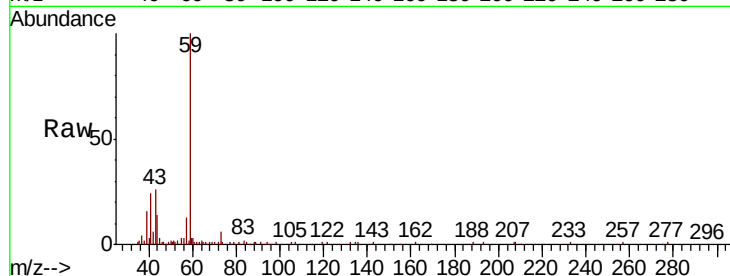




#11
Tert butyl alcohol
Concen: 573.839 ug/l
RT: 2.69 min Scan# 209
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

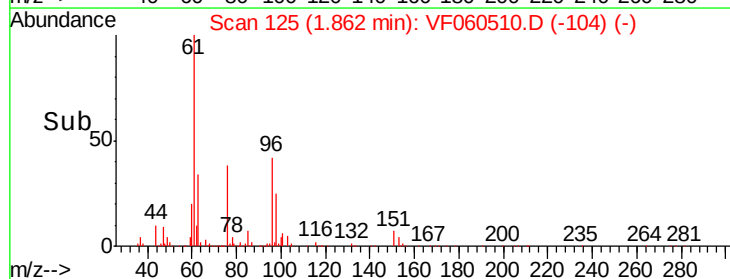
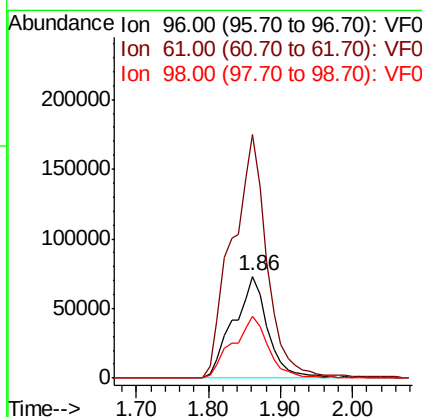
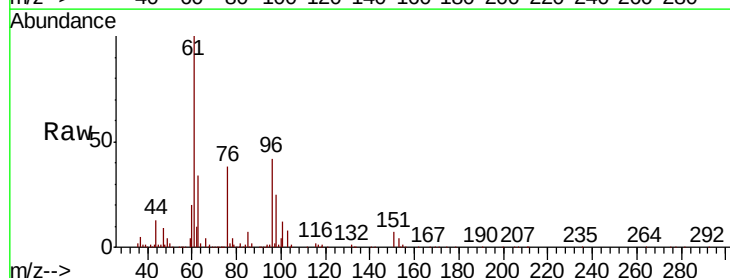
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

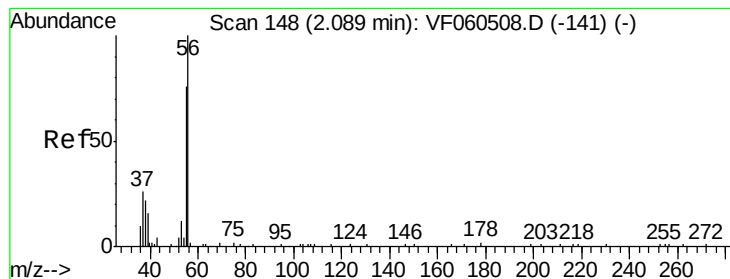
Tgt Ion: 59 Resp: 81715
Ion Ratio Lower Upper
59 100
57 13.2 15.8 23.8#



#12
1,1-Dichloroethene
Concen: 109.292 ug/l
RT: 1.86 min Scan# 125
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion: 96 Resp: 241877
Ion Ratio Lower Upper
96 100
61 238.6 231.4 347.0
98 60.6 53.3 79.9





#13

Acrolein

Concen: 924.499 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

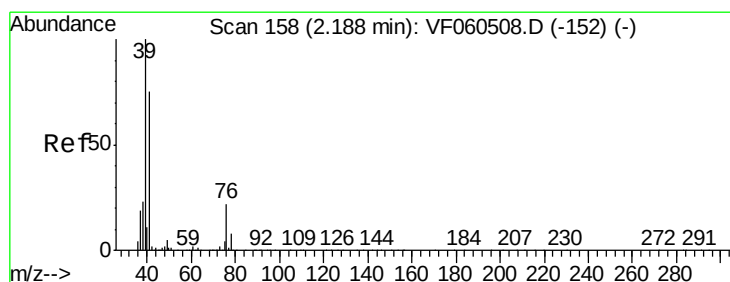
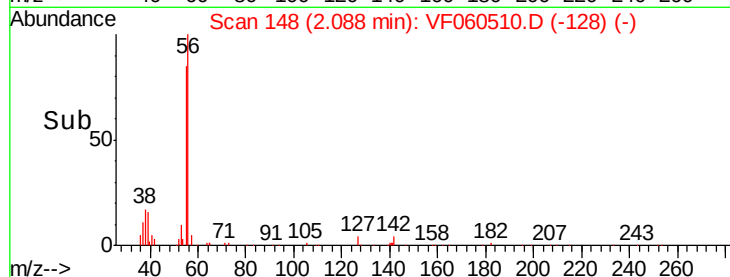
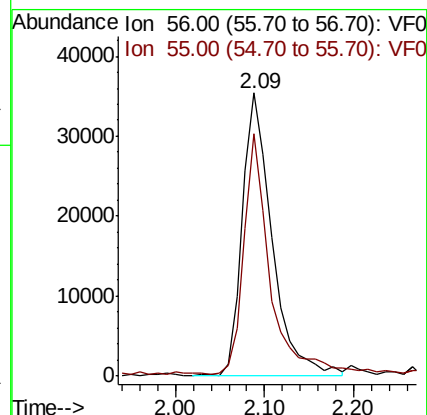
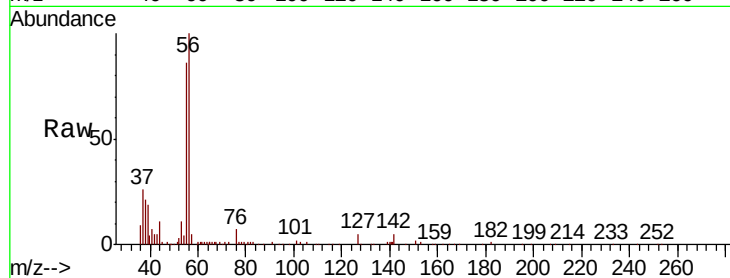
VSTDIC100

Tgt Ion: 56 Resp: 81575

Ion Ratio Lower Upper

56 100

55 85.6 63.0 94.4



#14

Allyl chloride

Concen: 116.563 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

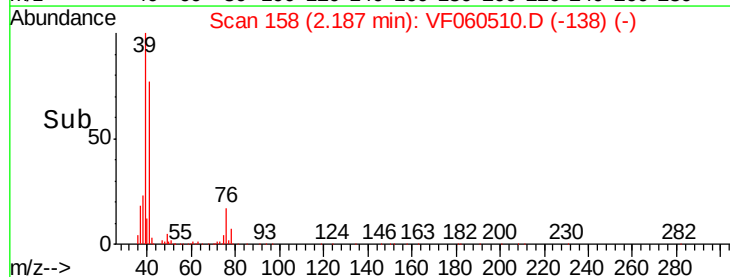
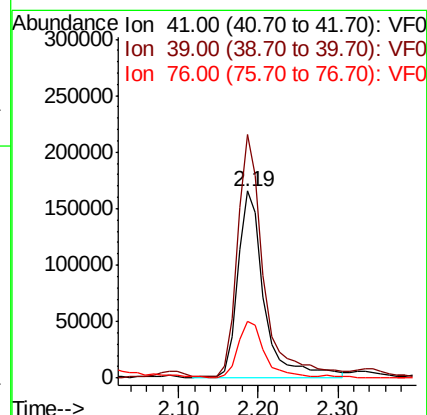
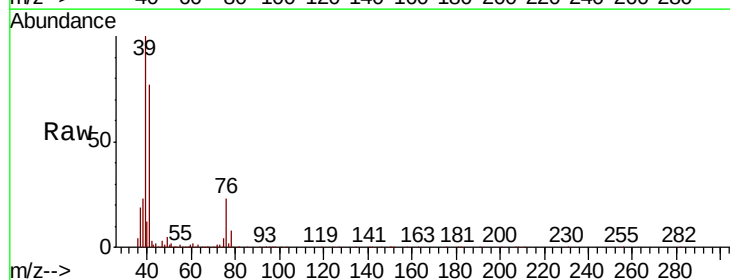
Tgt Ion: 41 Resp: 380256

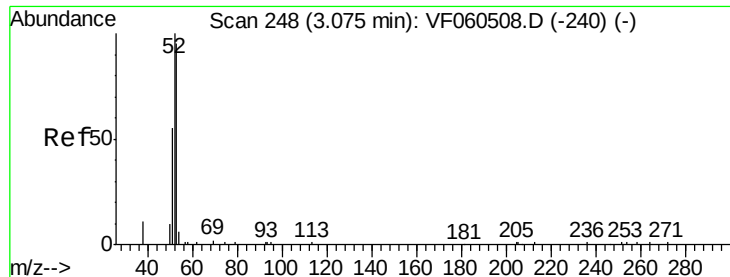
Ion Ratio Lower Upper

41 100

39 130.1 106.0 159.0

76 30.4 24.1 36.1





#15

Acrylonitrile

Concen: 470.475 ug/l

RT: 3.07 min Scan# 248

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

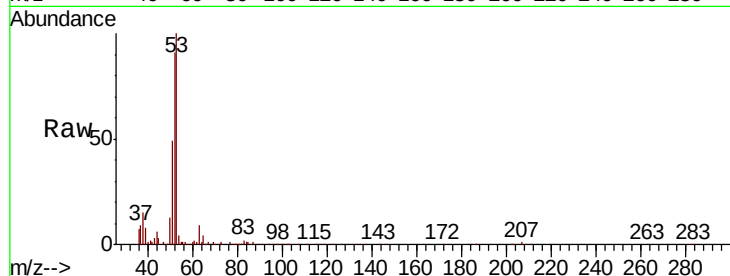
Tgt Ion: 53 Resp: 141044

Ion Ratio Lower Upper

53 100

52 91.4 84.0 126.0

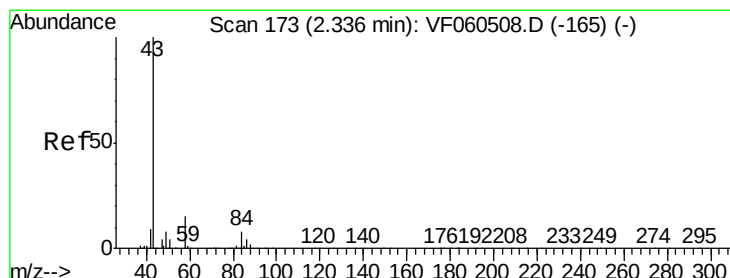
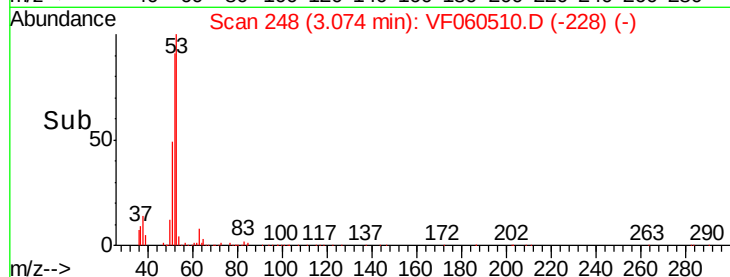
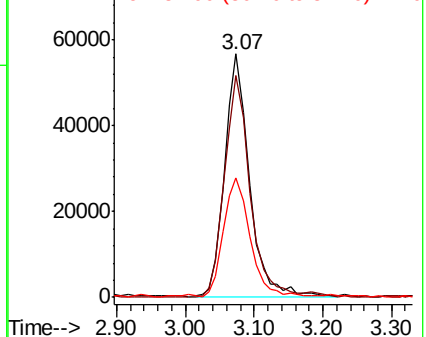
51 49.3 48.6 73.0



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: 559.385 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF060510.D

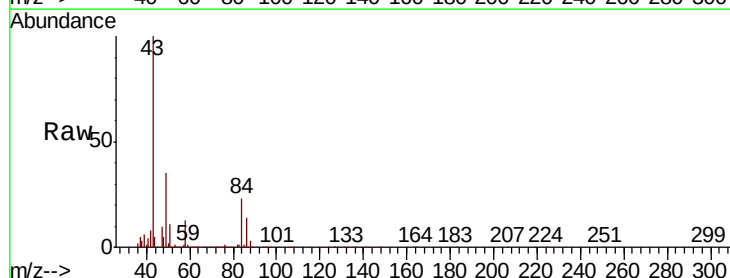
Acq: 25 Oct 2018 16:31

Tgt Ion: 43 Resp: 333117

Ion Ratio Lower Upper

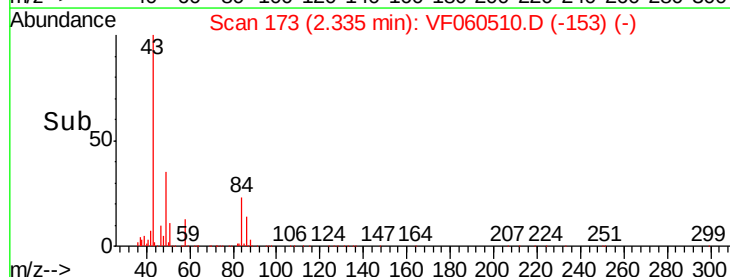
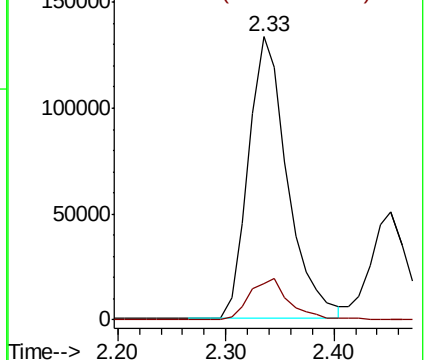
43 100

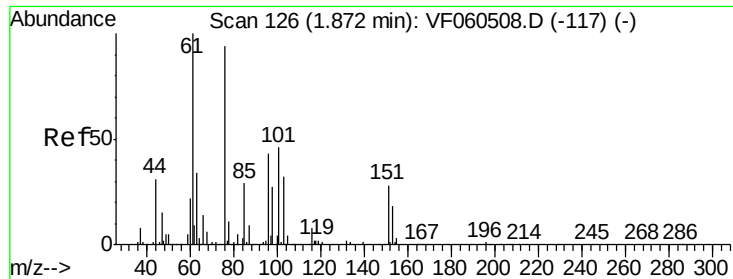
58 12.8 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 71.179 ug/l

RT: 1.88 min Scan# 127

Delta R.T. 0.01 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

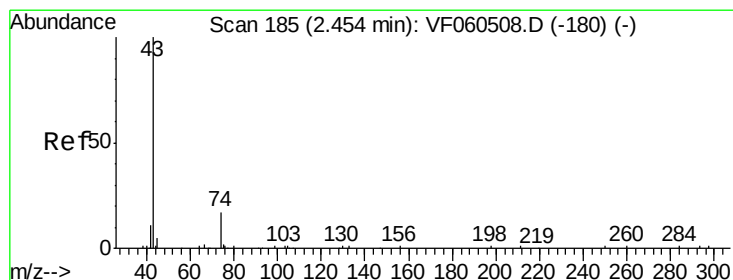
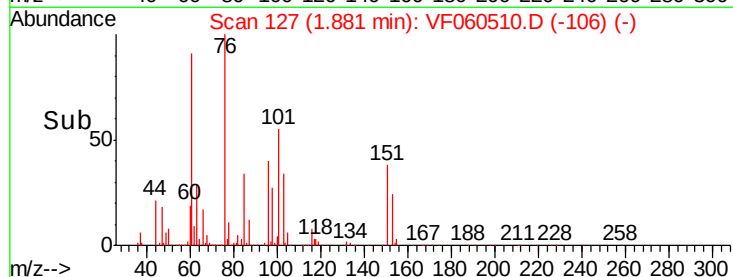
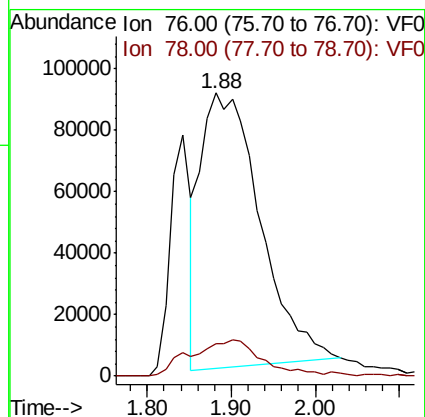
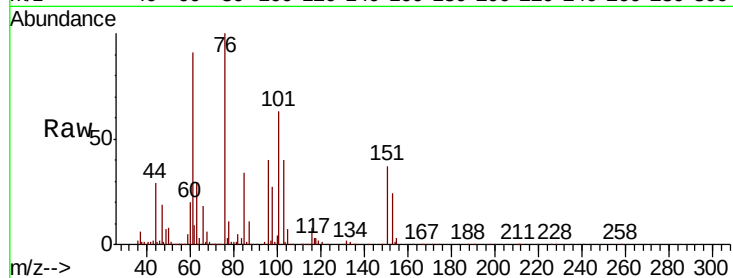
VSTDIC100

Tgt Ion: 76 Resp: 438070

Ion Ratio Lower Upper

76 100

78 11.4 9.2 13.8



#18

Methyl Acetate

Concen: 99.855 ug/l

RT: 2.45 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF060510.D

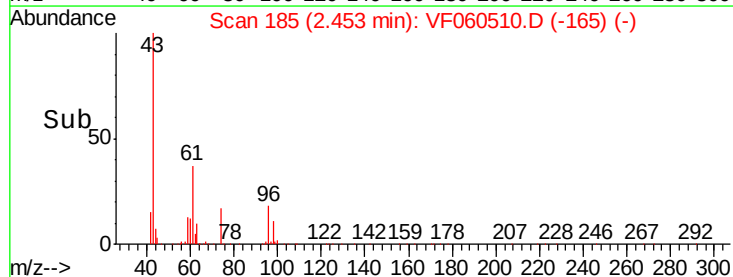
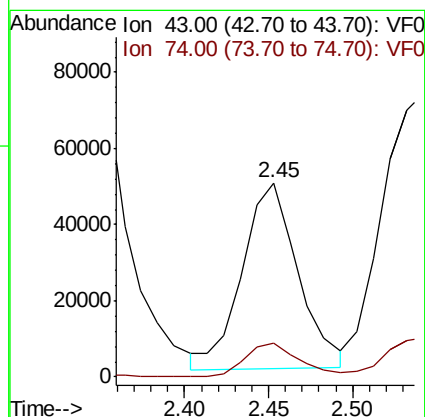
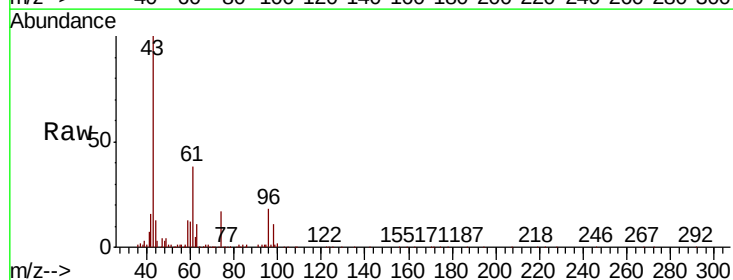
Acq: 25 Oct 2018 16:31

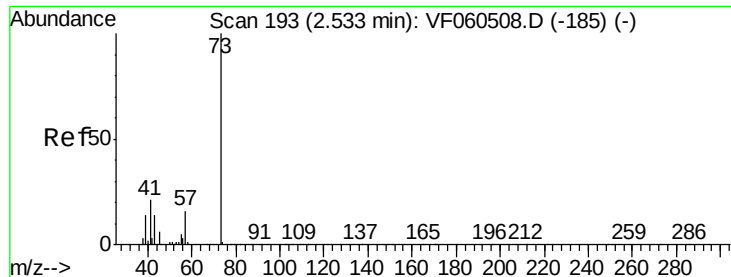
Tgt Ion: 43 Resp: 112703

Ion Ratio Lower Upper

43 100

74 17.1 12.1 18.1



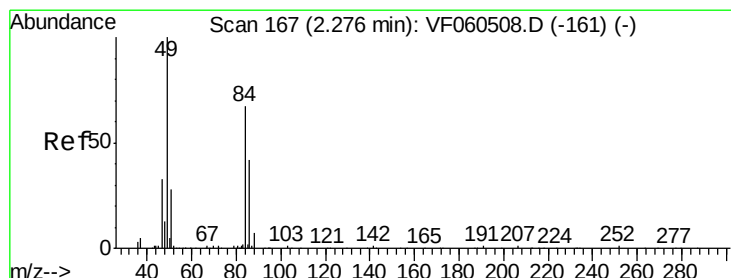
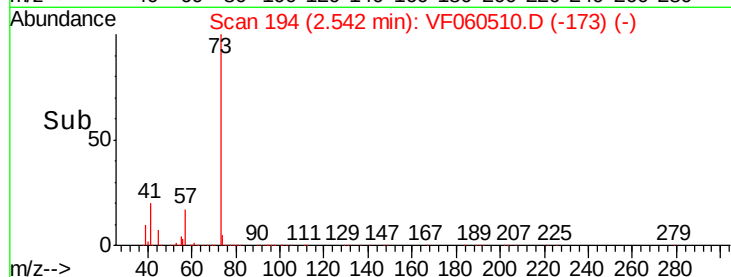
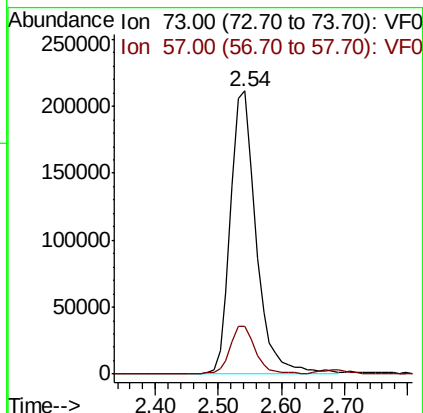
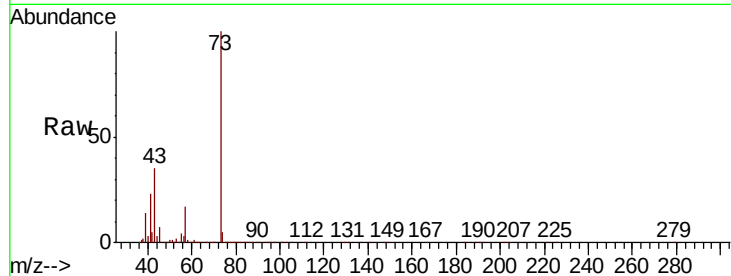


#19

Methyl tert-butyl Ether
 Concen: 119.270 ug/l
 RT: 2.54 min Scan# 194
 Delta R.T. 0.01 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

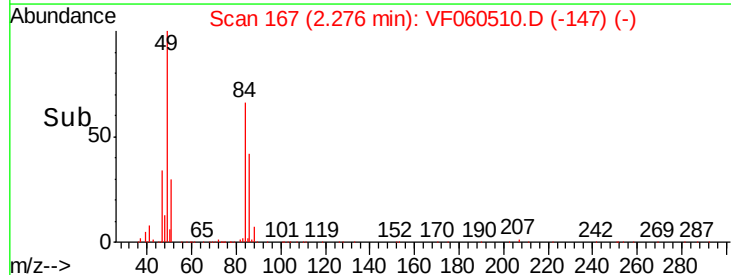
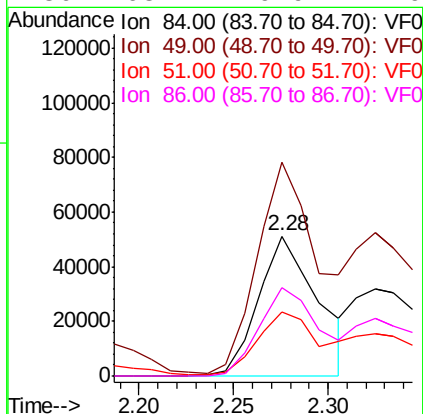
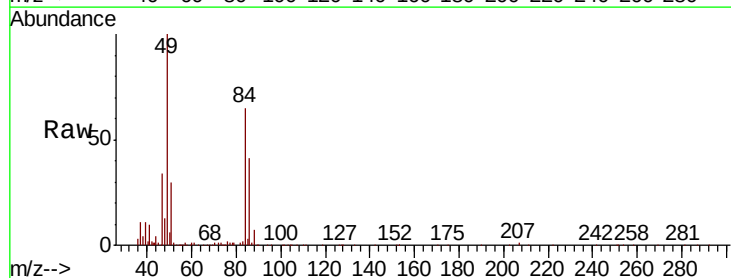
Tgt Ion: 73 Resp: 594182
 Ion Ratio Lower Upper
 73 100
 57 16.9 13.3 19.9

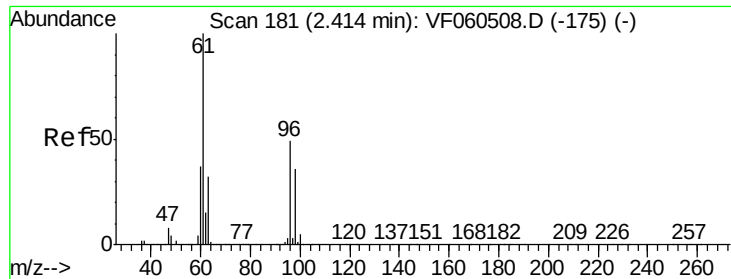


#20

Methylene Chloride
 Concen: 53.615 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion: 84 Resp: 110836
 Ion Ratio Lower Upper
 84 100
 49 152.7 123.1 184.7
 51 45.6 35.3 52.9
 86 63.4 49.9 74.9

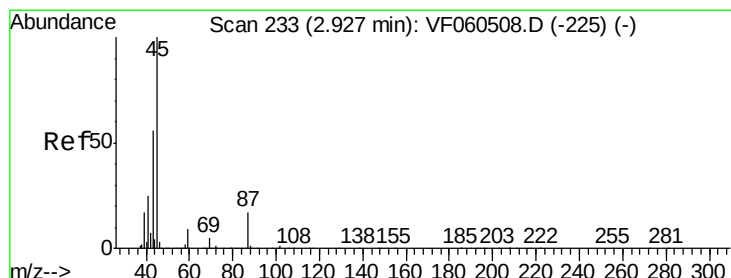
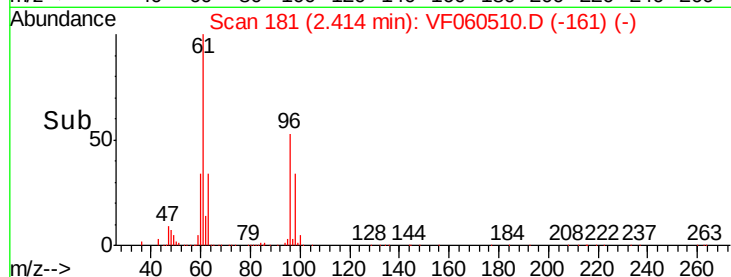
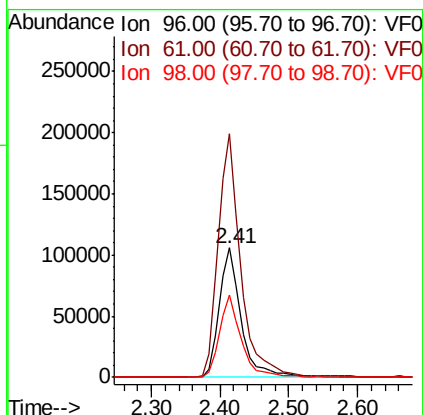
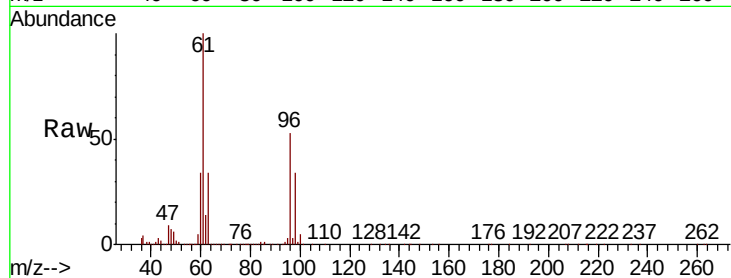




#21
trans-1,2-Dichloroethene
Concen: 112.150 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

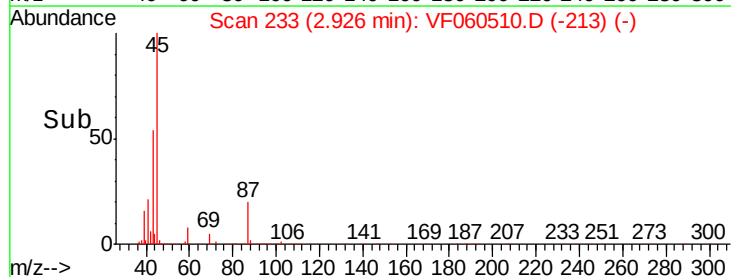
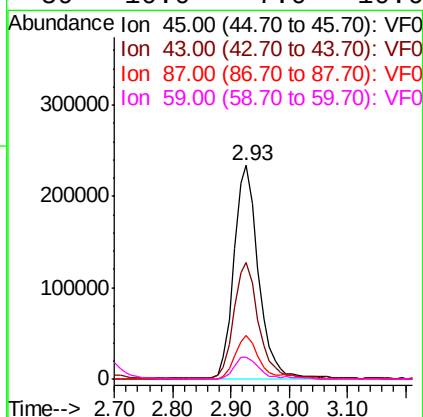
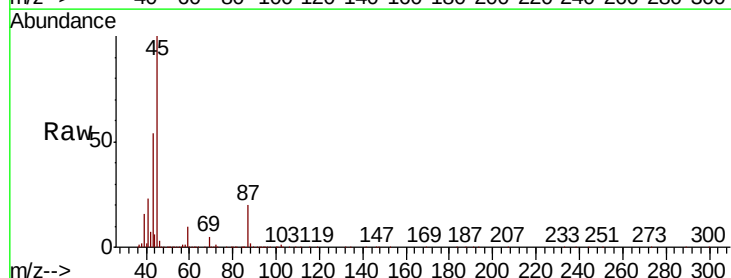
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

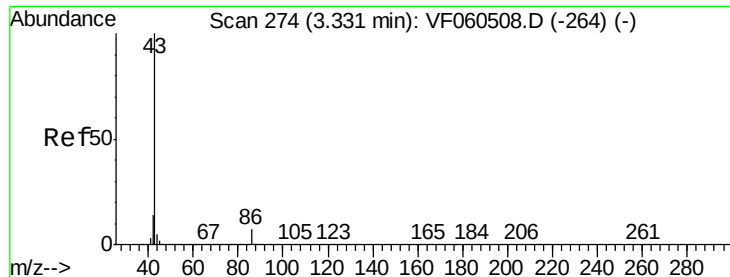
Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.6	162.5	243.7
98	63.9	58.5	87.7



#22
Diisopropyl ether
Concen: 102.305 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.4	45.2	67.8
87	20.1	13.4	20.2
59	10.0	7.0	10.6





#23

Vinyl Acetate

Concen: 464.023 ug/l

RT: 3.33 min Scan# 274

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

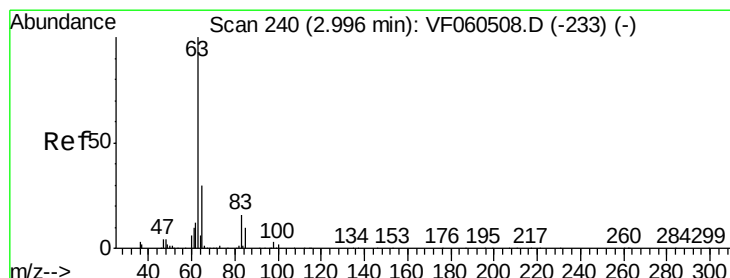
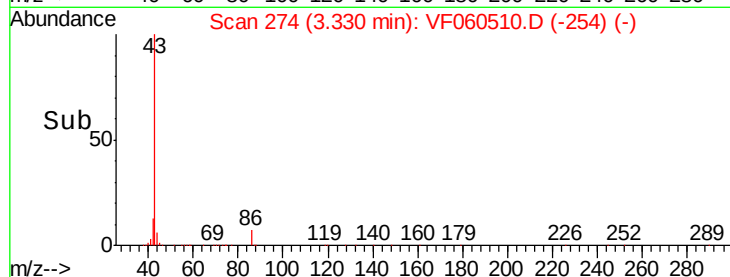
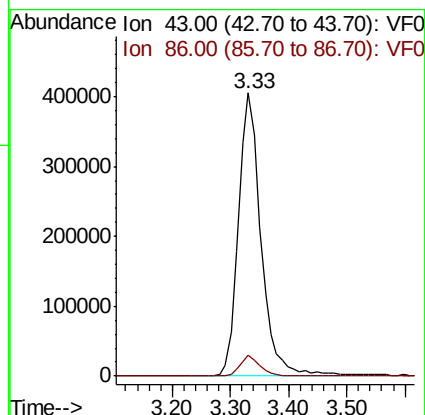
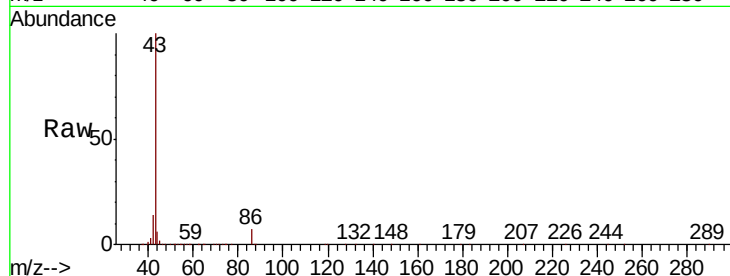
VSTDIC100

Tgt Ion: 43 Resp: 1089270

Ion Ratio Lower Upper

43 100

86 7.2 5.3 7.9



#24

1,1-Dichloroethane

Concen: 110.796 ug/l

RT: 3.01 min Scan# 241

Delta R.T. 0.01 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

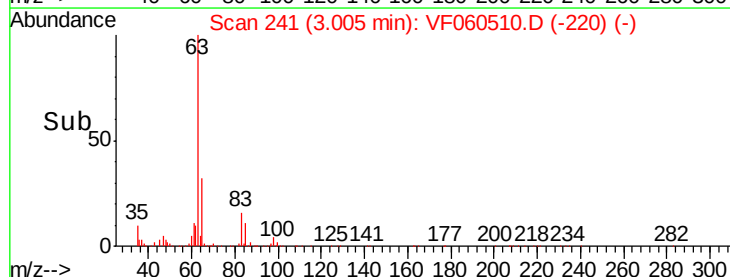
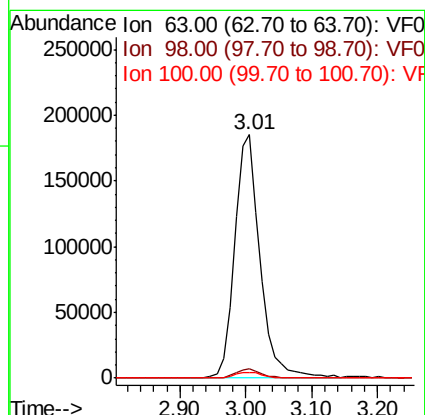
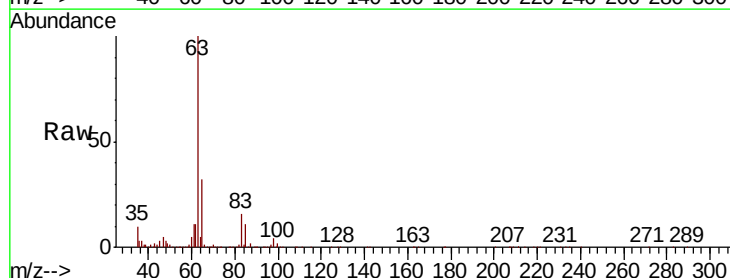
Tgt Ion: 63 Resp: 498603

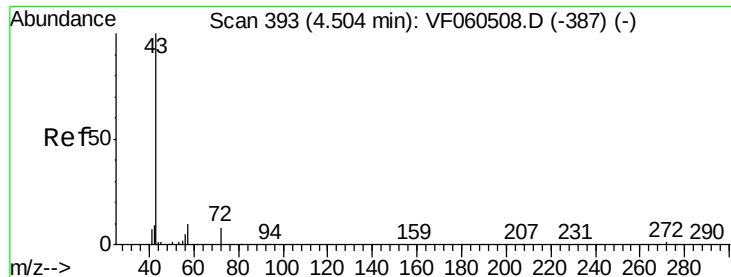
Ion Ratio Lower Upper

63 100

98 3.9 1.7 5.0

100 2.5 1.1 3.3





#25

2-Butanone

Concen: 418.159 ug/l

RT: 4.50 min Scan# 393

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

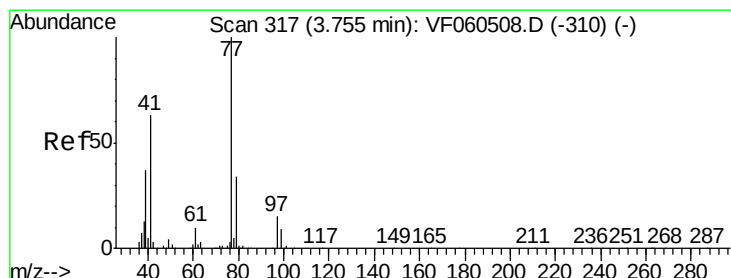
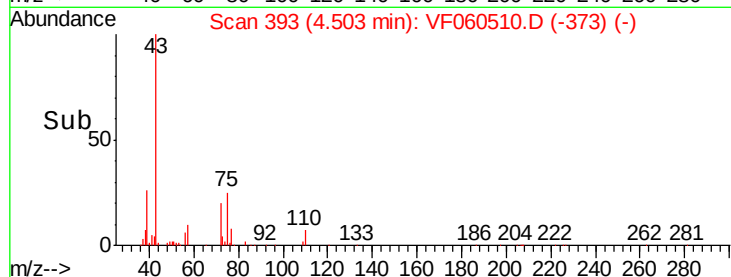
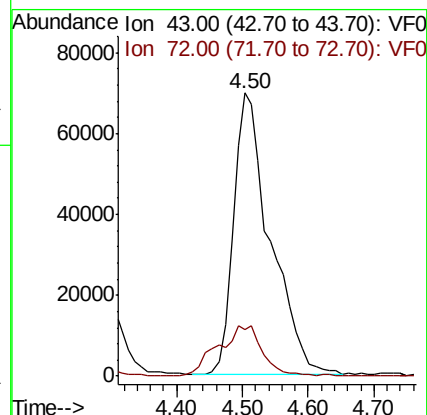
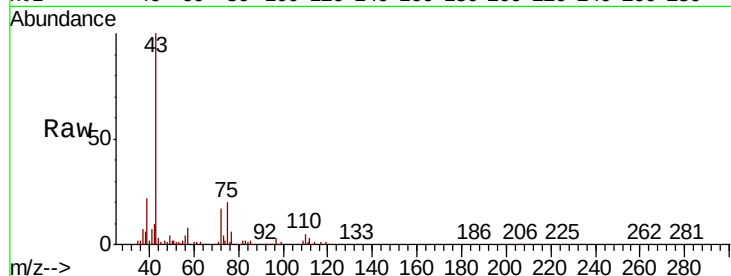
VSTDIC100

Tgt Ion: 43 Resp: 271067

Ion Ratio Lower Upper

43 100

72 16.6 13.0 19.6



#26

2,2-Dichloropropane

Concen: 132.007 ug/l

RT: 3.76 min Scan# 318

Delta R.T. 0.01 min

Lab File: VF060510.D

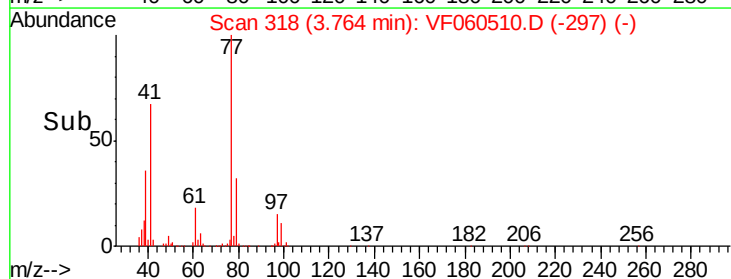
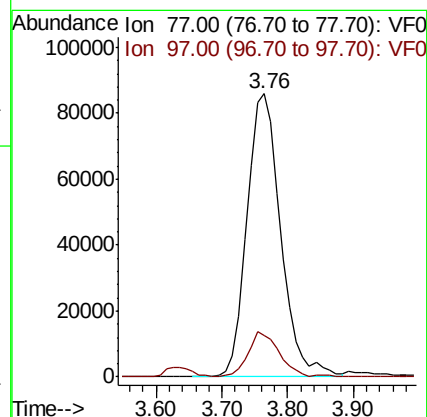
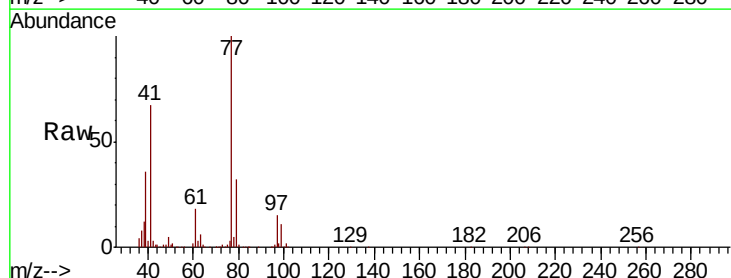
Acq: 25 Oct 2018 16:31

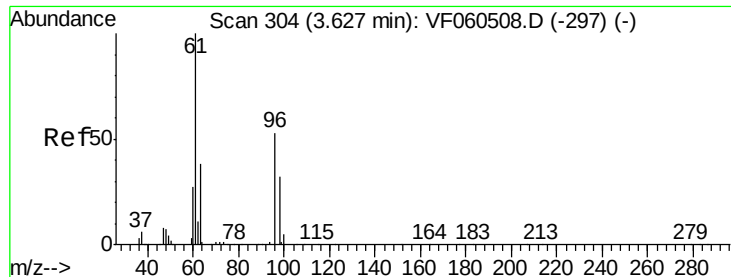
Tgt Ion: 77 Resp: 309741

Ion Ratio Lower Upper

77 100

97 14.8 7.9 23.7



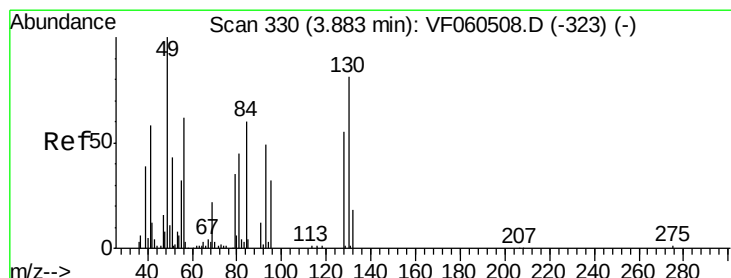
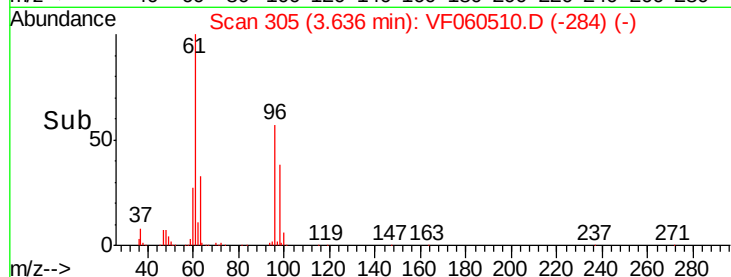
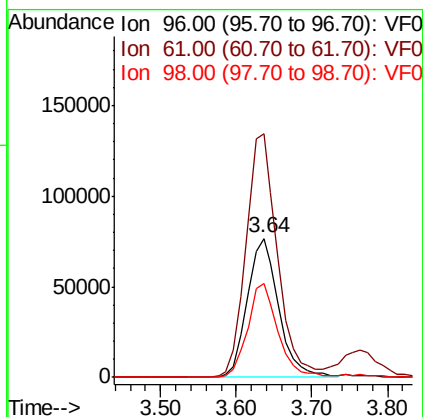
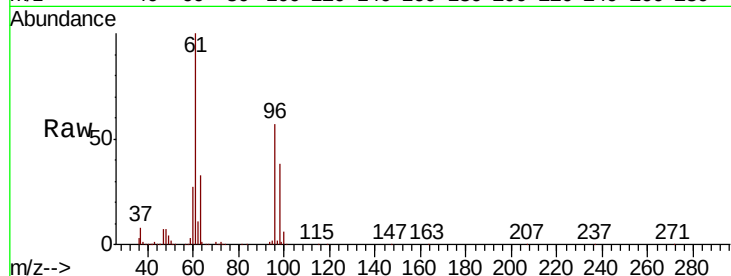


#27

cis-1,2-Dichloroethene
Concen: 91.611 ug/l
RT: 3.64 min Scan# 305
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

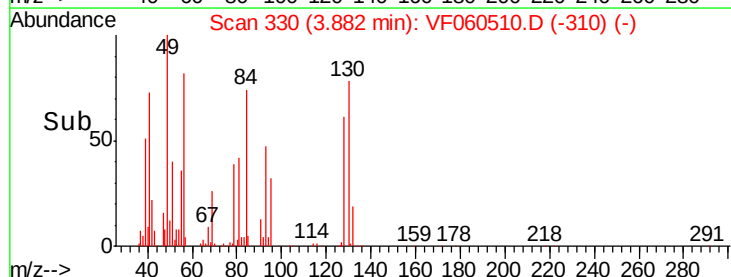
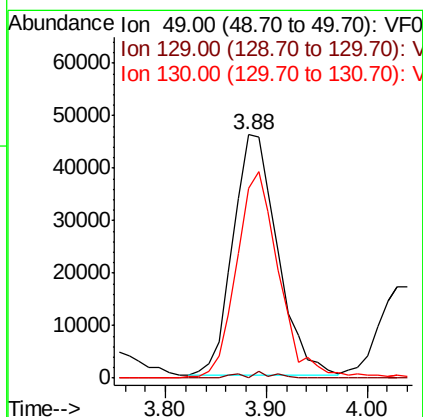
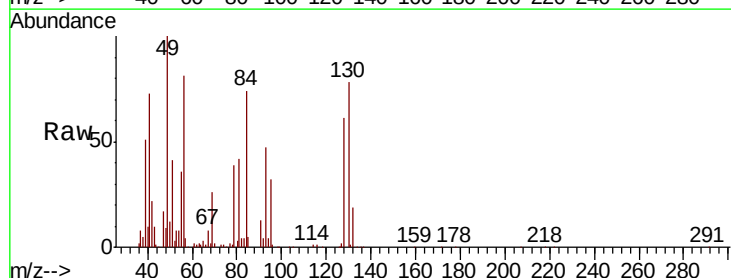
Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.3	0.0	377.0
98	67.2	0.0	122.4

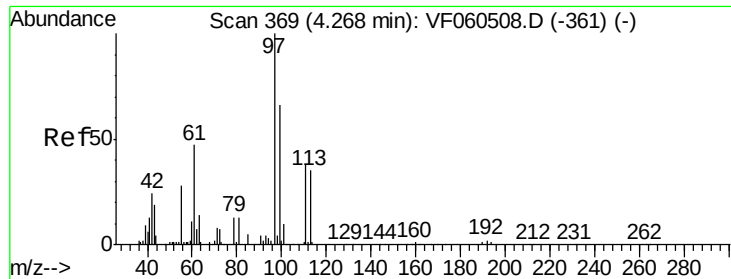


#28

Bromochloromethane
Concen: 90.182 ug/l
RT: 3.88 min Scan# 330
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.0
130	77.8	65.0	97.4





#29

Tetrahydrofuran

Concen: 410.847 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.02 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

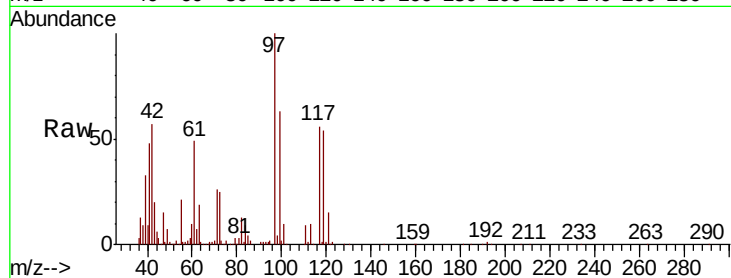
Tgt Ion: 42 Resp: 112269

Ion Ratio Lower Upper

42 100

72 39.9 32.1 48.1

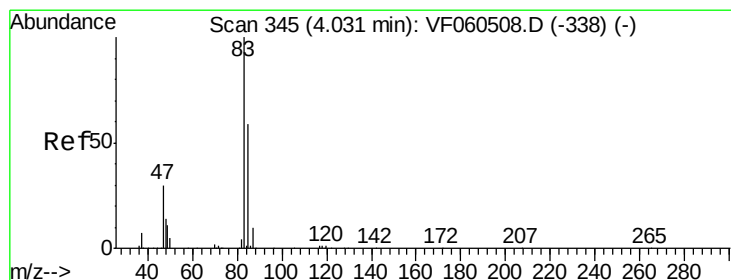
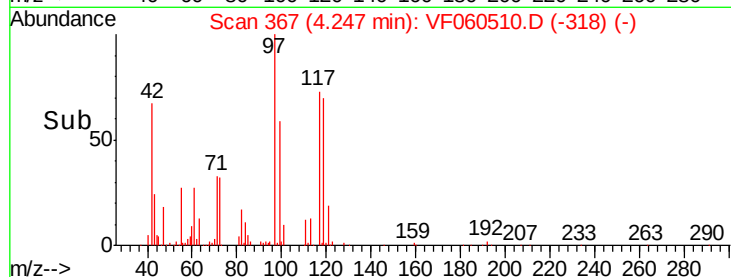
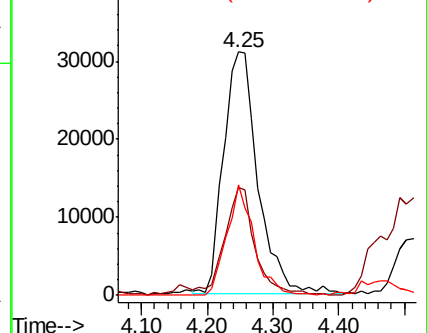
71 36.8 29.7 44.5



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: 111.026 ug/l

RT: 4.04 min Scan# 346

Delta R.T. 0.01 min

Lab File: VF060510.D

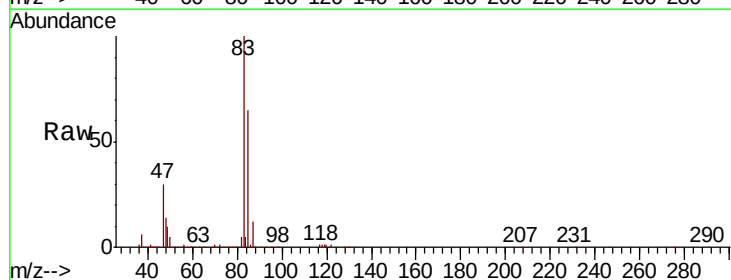
Acq: 25 Oct 2018 16:31

Tgt Ion: 83 Resp: 578190

Ion Ratio Lower Upper

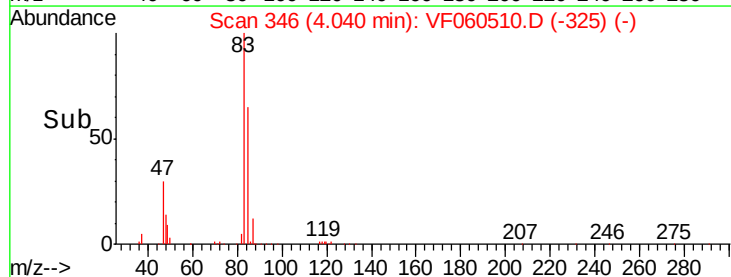
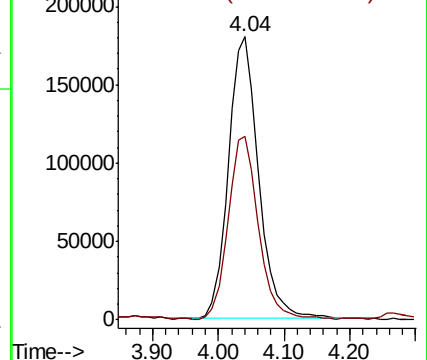
83 100

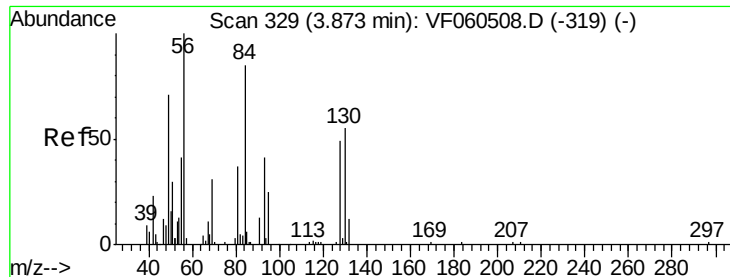
85 65.0 47.4 71.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

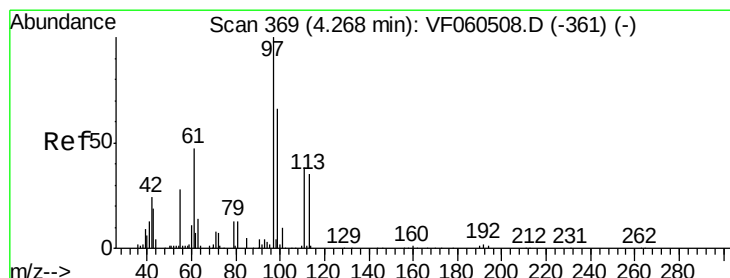
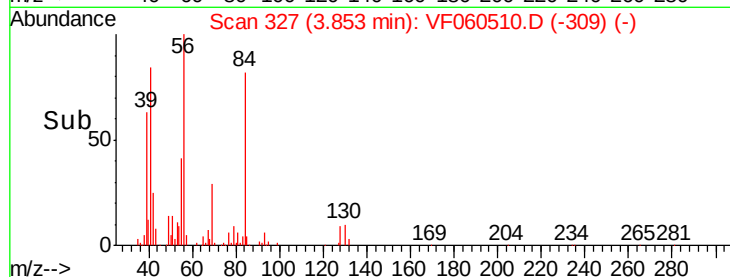
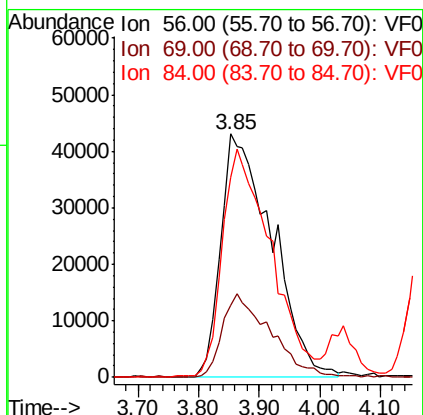
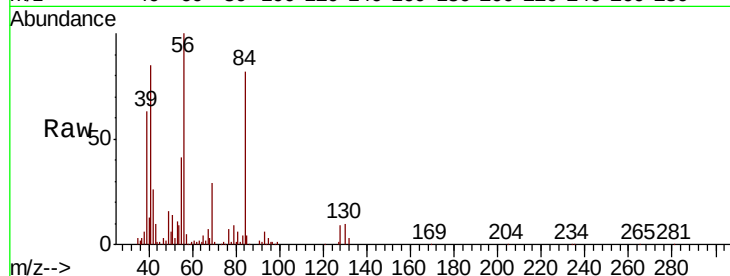




#31
Cyclohexane
Concen: 87.397 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.02 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

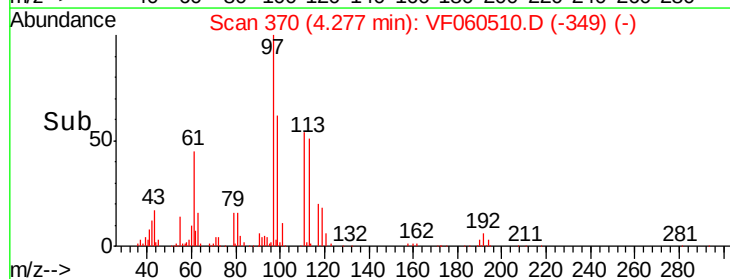
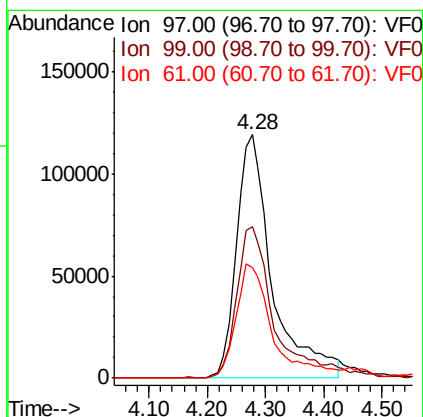
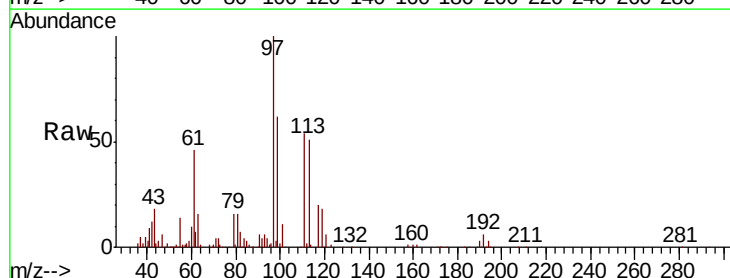
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

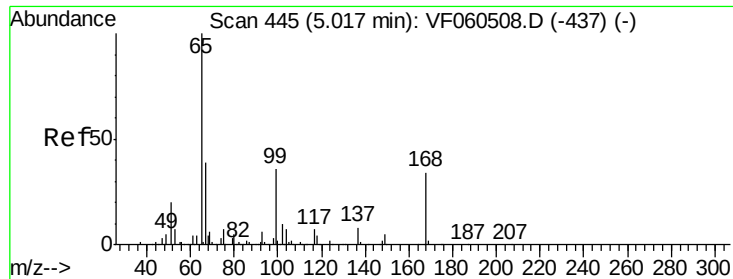
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.6	37.0
84	82.0	68.2	102.2



#32
1,1,1-Trichloroethane
Concen: 124.204 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	53.0	79.6
61	45.6	37.9	56.9

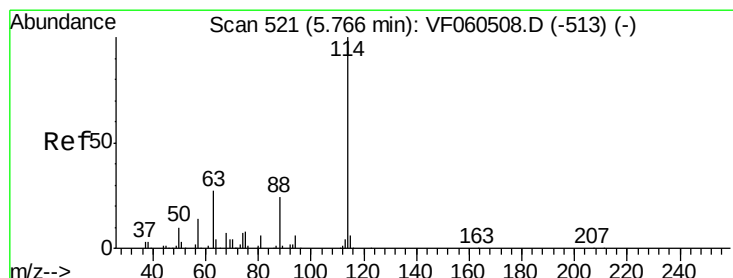
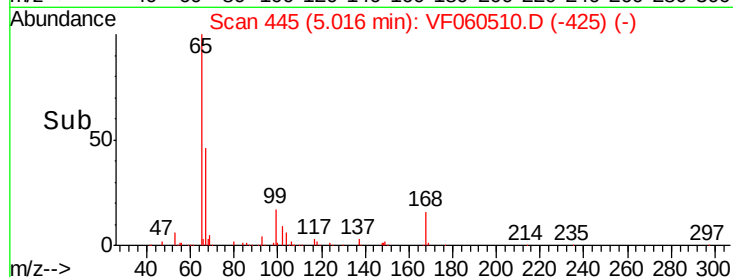
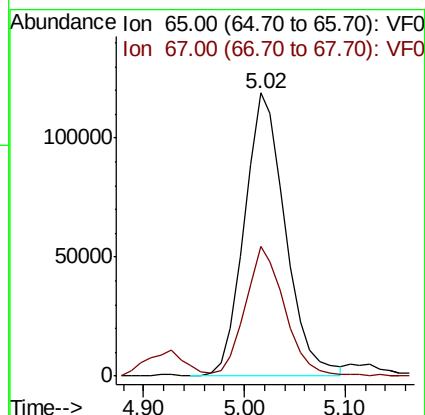
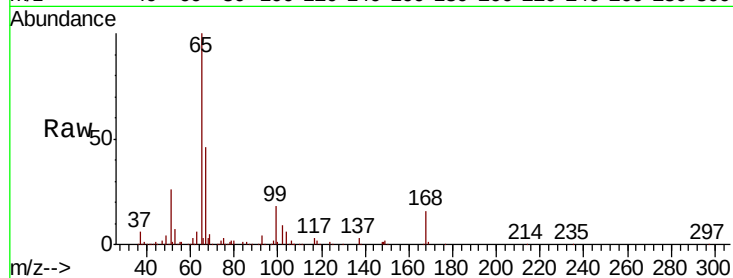




#33
 1,2-Dichloroethane-d4
 Concen: 123.620 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

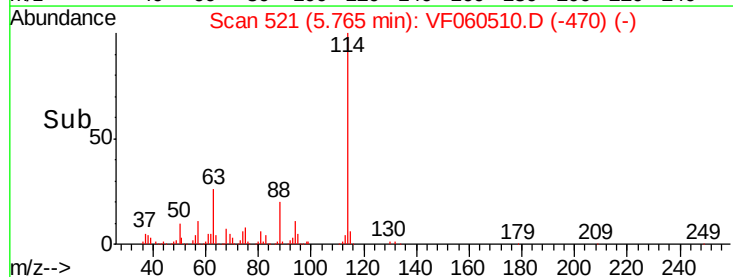
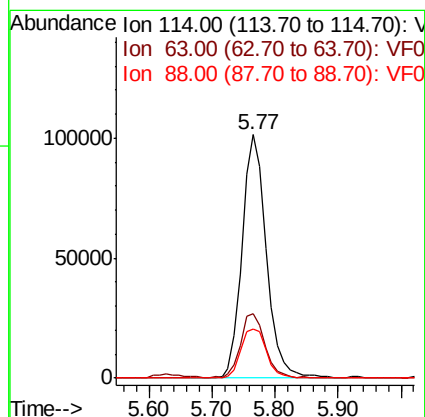
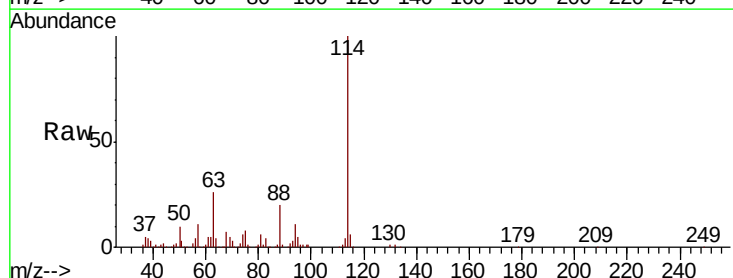
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

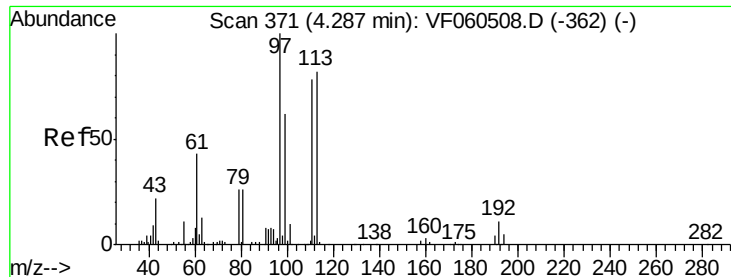
Tgt Ion: 65 Resp: 335958
 Ion Ratio Lower Upper
 65 100
 67 45.8 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion: 114 Resp: 270052
 Ion Ratio Lower Upper
 114 100
 63 26.3 0.0 54.4
 88 20.1 0.0 47.2

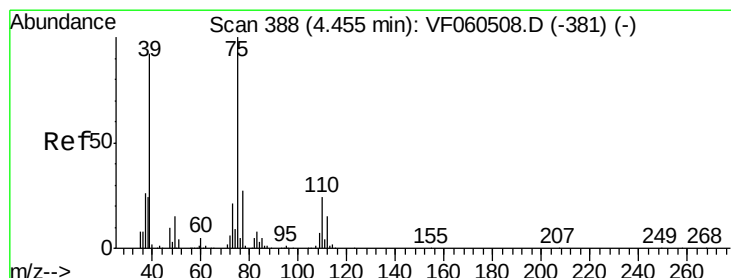
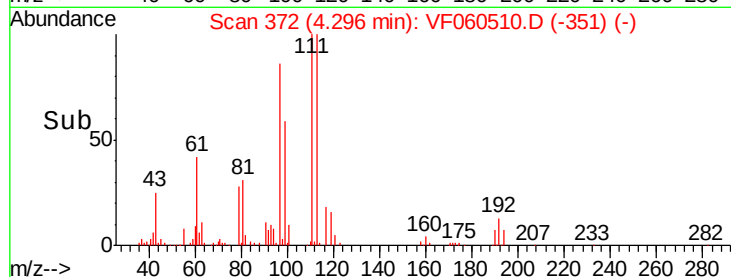
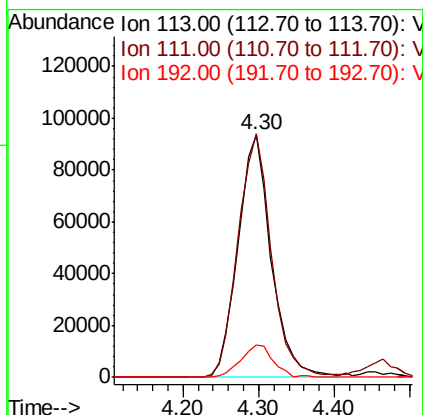
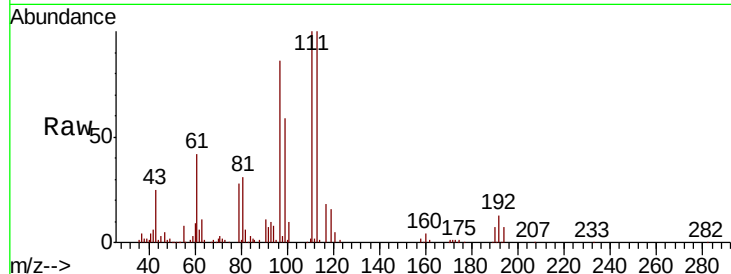




#35
 Dibromofluoromethane
 Concen: 114.778 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. 0.01 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

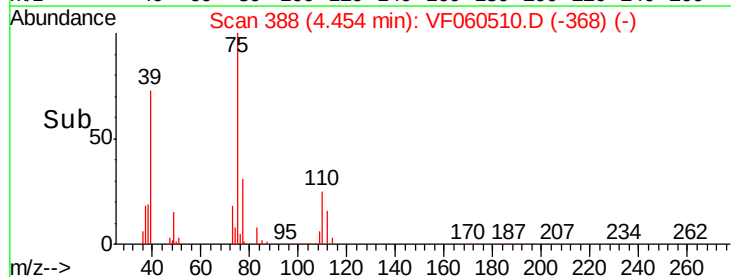
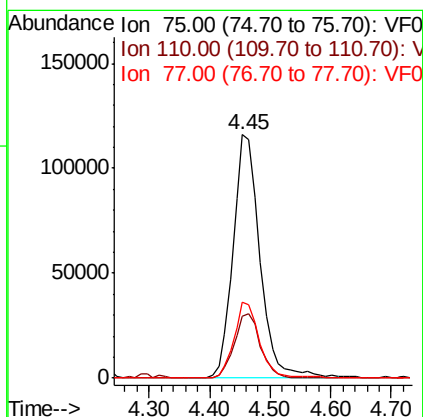
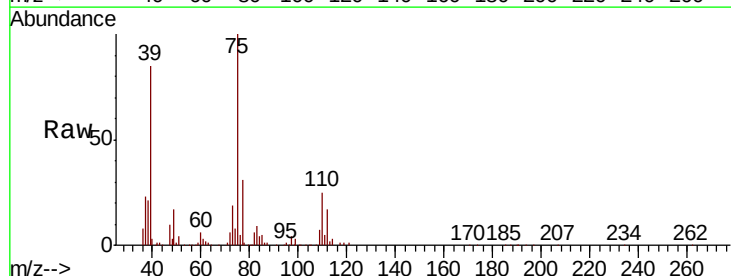
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

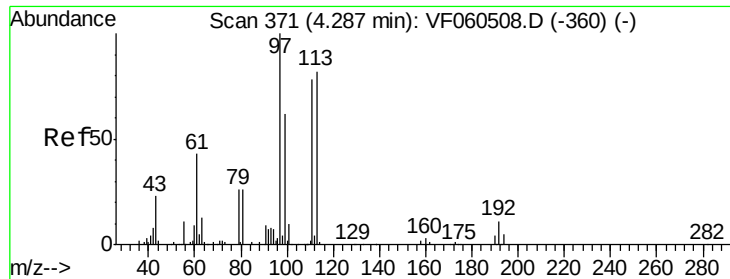
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.4	75.9	113.9
192	13.5	10.6	15.8



#36
 1,1-Dichloropropene
 Concen: 114.282 ug/l
 RT: 4.45 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	25.3	12.1	36.3
77	31.2	21.8	32.6





#37

Ethyl Acetate

Concen: 92.736 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

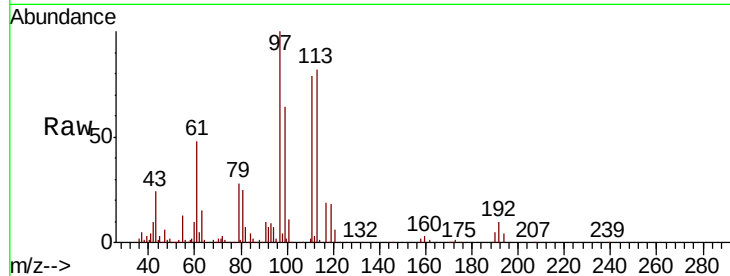
Tgt Ion: 43 Resp: 102895

Ion Ratio Lower Upper

43 100

61 202.3 148.5 222.7

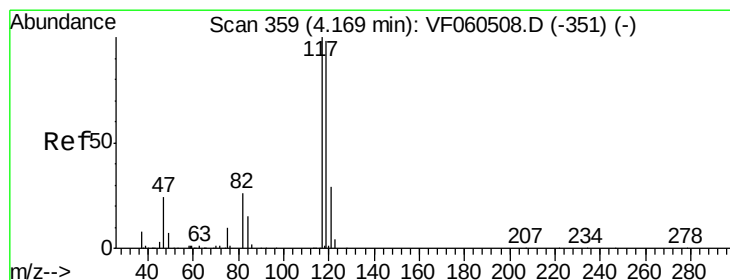
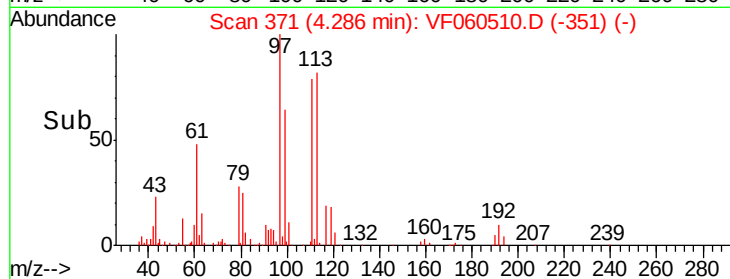
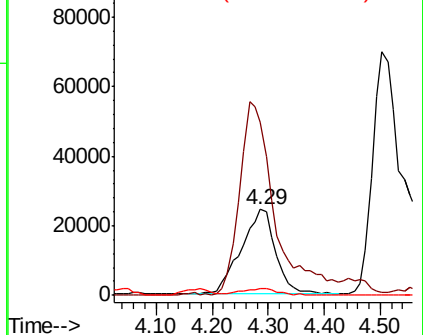
70 7.8 4.7 7.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 187.399 ug/l

RT: 4.17 min Scan# 359

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

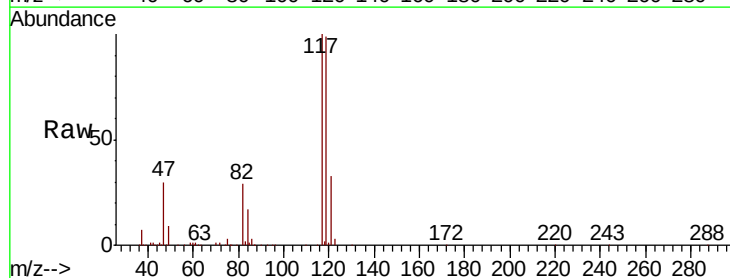
Tgt Ion: 117 Resp: 591305

Ion Ratio Lower Upper

117 100

119 98.7 78.3 117.5

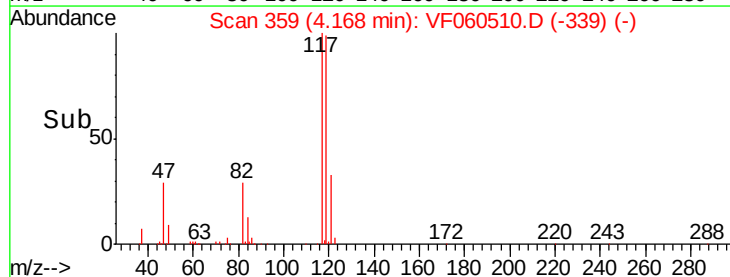
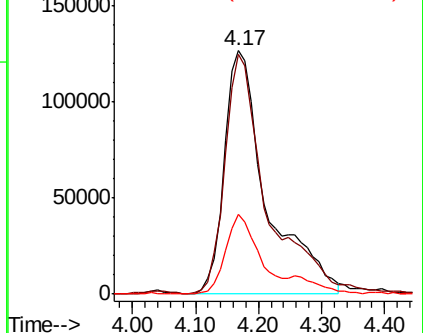
121 32.7 23.3 34.9

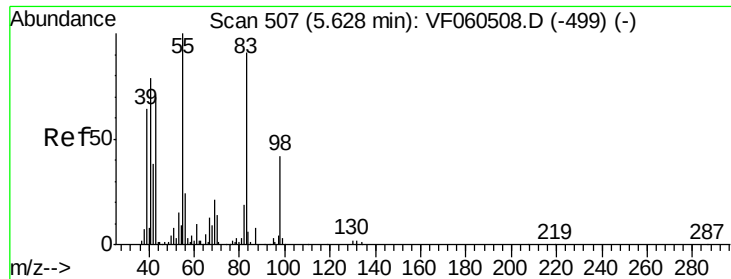


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

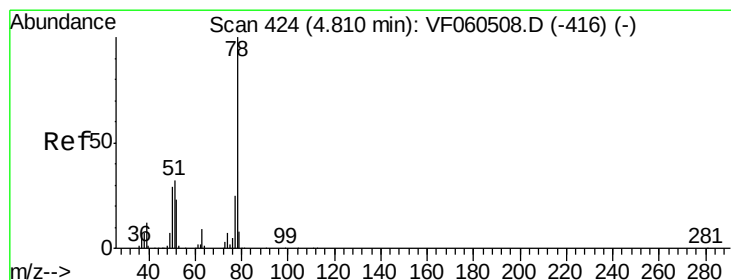
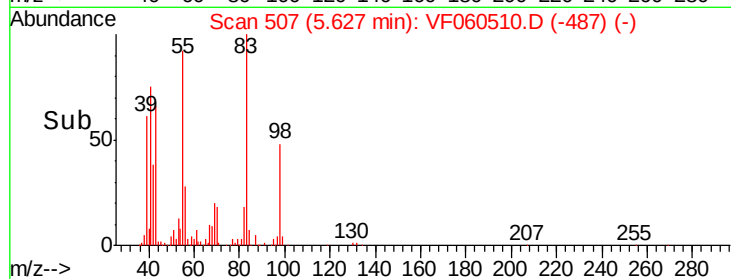
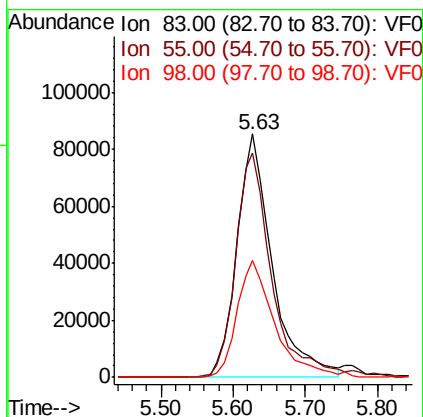
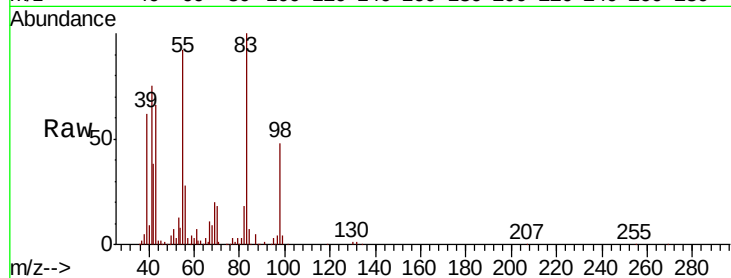




#39
Methylcyclohexane
Concen: 98.842 ug/l
RT: 5.63 min Scan# 507
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

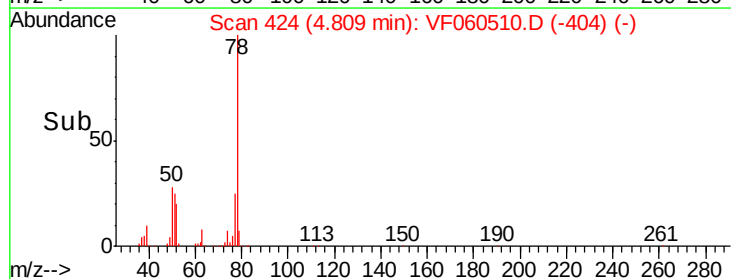
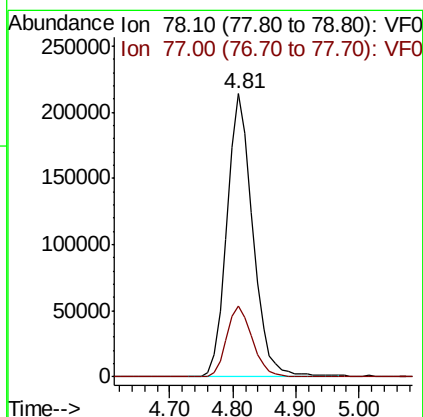
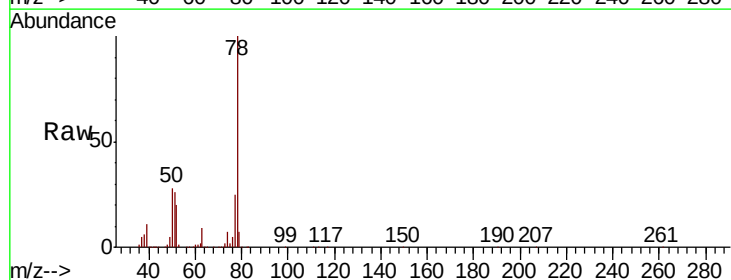
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

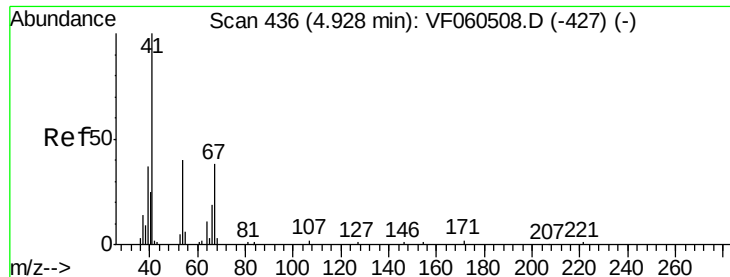
Tgt Ion: 83 Resp: 292334
Ion Ratio Lower Upper
83 100
55 92.3 87.9 131.9
98 48.2 37.0 55.6



#40
Benzene
Concen: 94.122 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion: 78 Resp: 607038
Ion Ratio Lower Upper
78 100
77 25.0 20.2 30.4

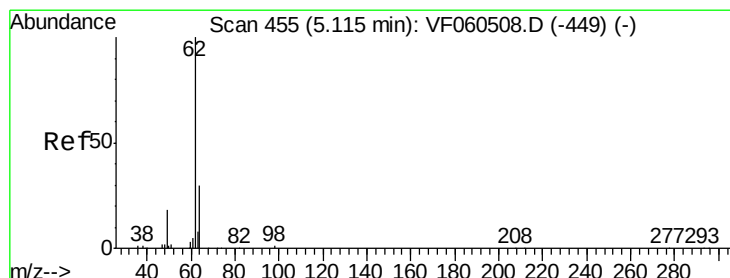
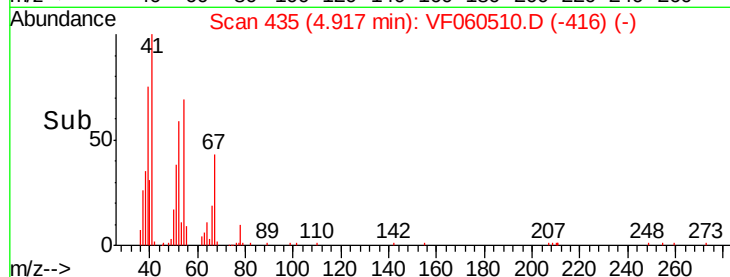
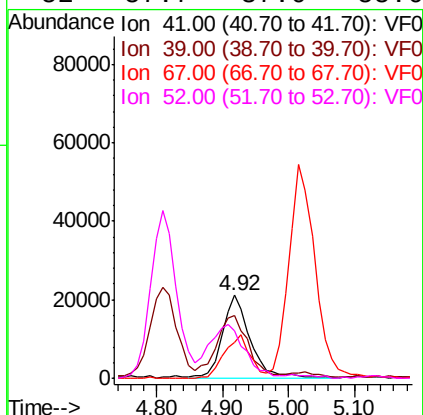
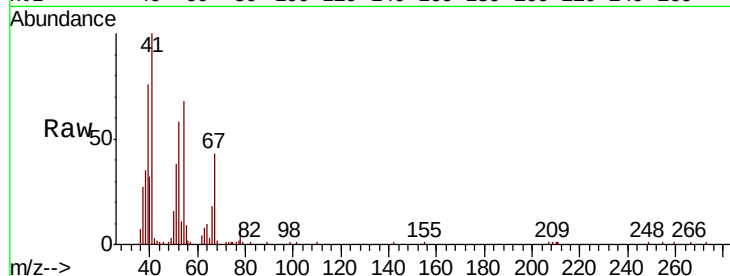




#41
Methacrylonitrile
Concen: 96.916 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

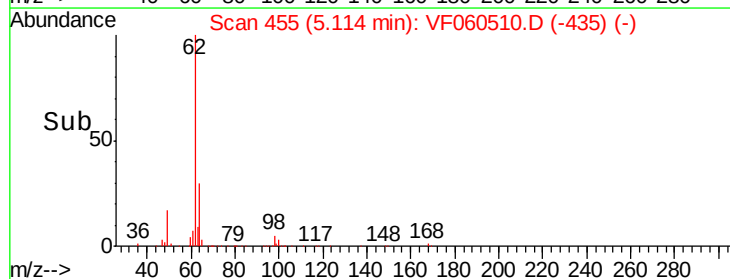
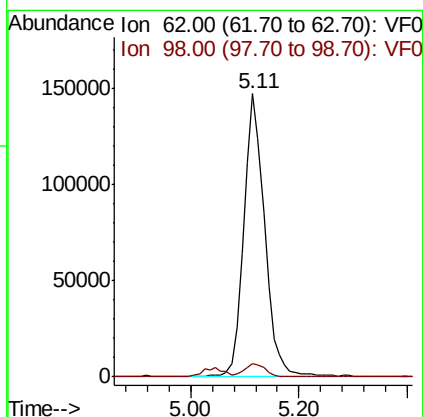
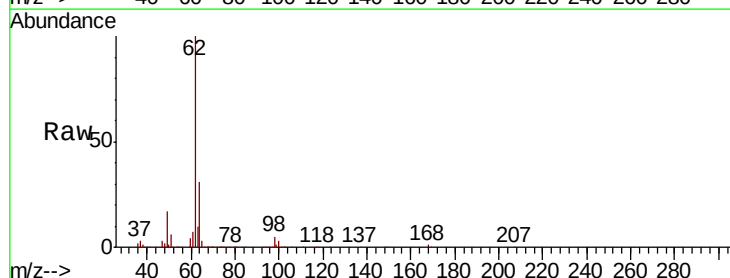
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

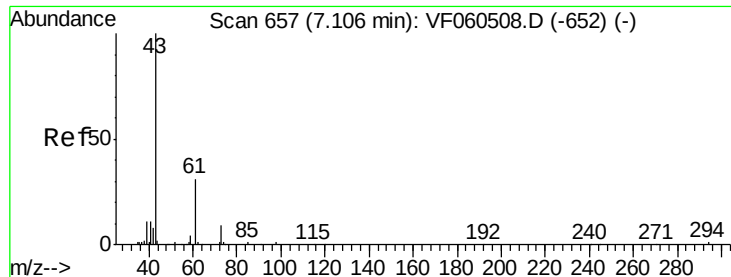
Tgt Ion:	41	Resp:	61098
Ion	Ratio	Lower	Upper
41	100		
39	75.8	55.2	82.8
67	42.8	29.8	44.8
52	57.7	37.0	55.6#



#42
1,2-Dichloroethane
Concen: 135.192 ug/l
RT: 5.11 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion:	62	Resp:	395555
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	9.4





#43

Isopropyl Acetate

Concen: 89.246 ug/l

RT: 7.11 min Scan# 657

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

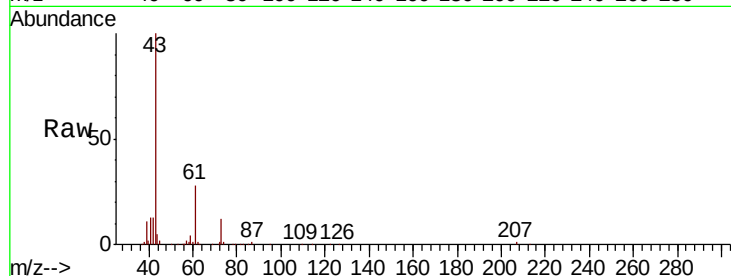
Tgt Ion: 43 Resp: 123416

Ion Ratio Lower Upper

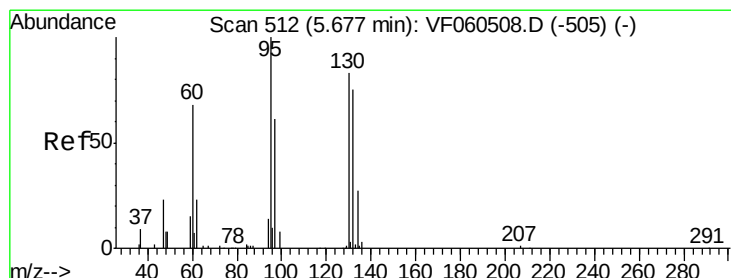
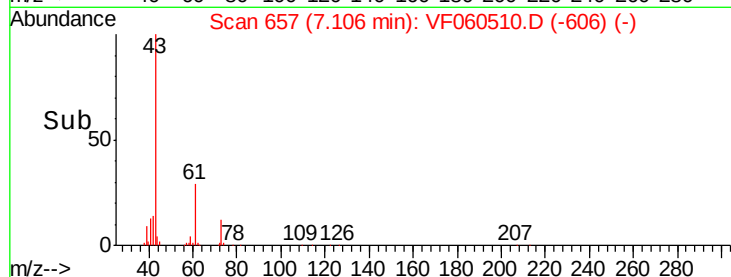
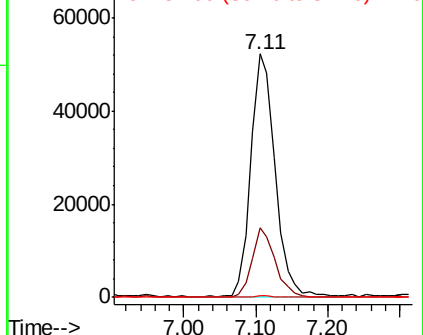
43 100

61 28.3 24.4 36.6

87 0.8 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: 103.505 ug/l

RT: 5.68 min Scan# 512

Delta R.T. -0.00 min

Lab File: VF060510.D

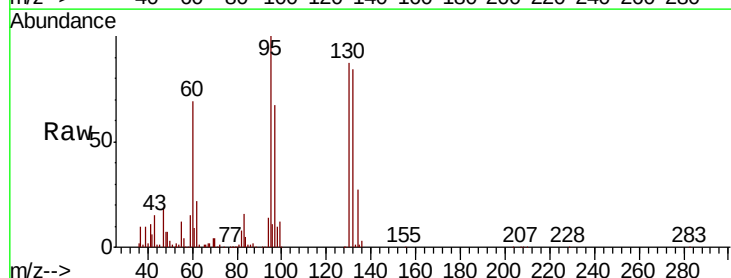
Acq: 25 Oct 2018 16:31

Tgt Ion: 130 Resp: 207956

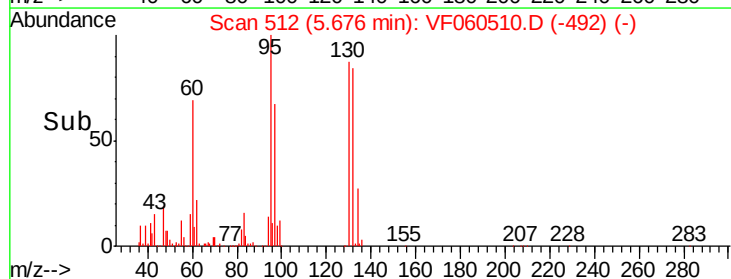
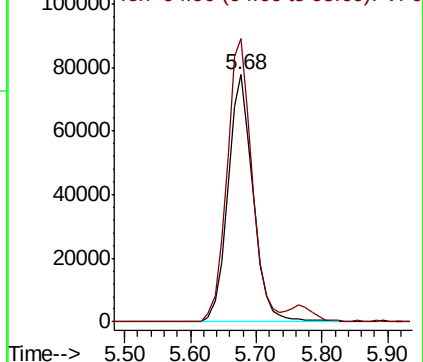
Ion Ratio Lower Upper

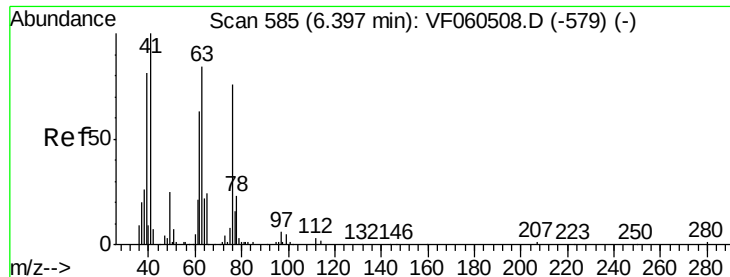
130 100

95 114.4 0.0 242.8



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

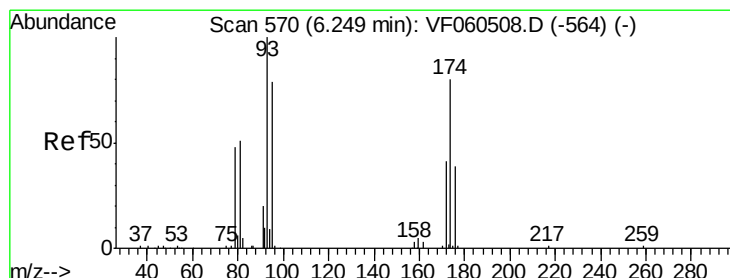
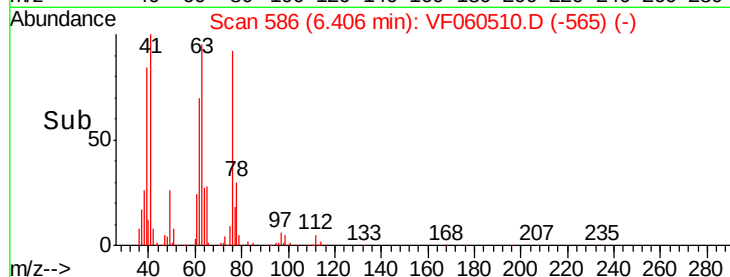
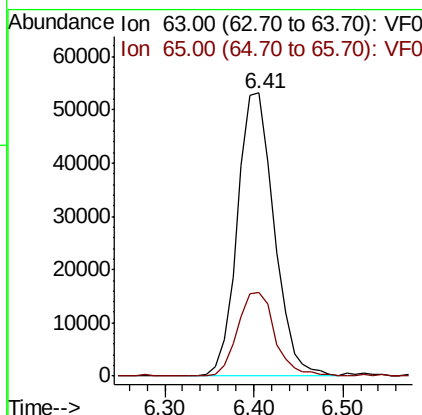
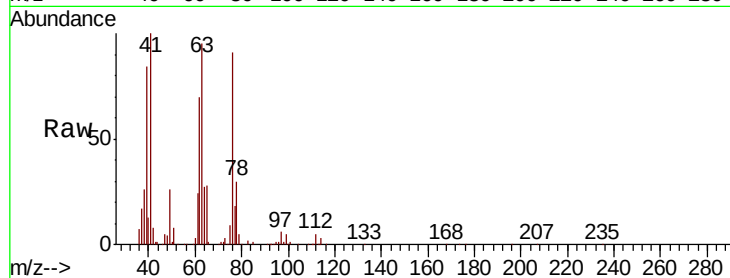




#45
 1,2-Dichloropropane
 Concen: 96.538 ug/l
 RT: 6.41 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

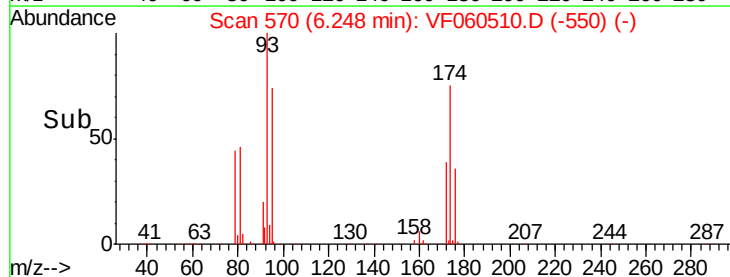
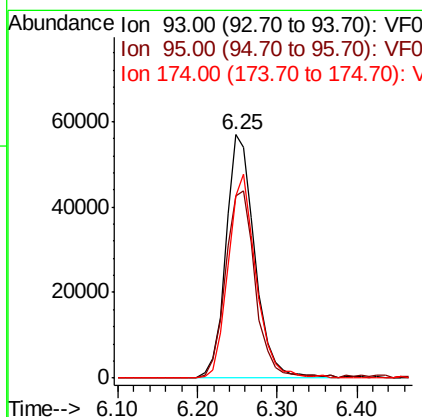
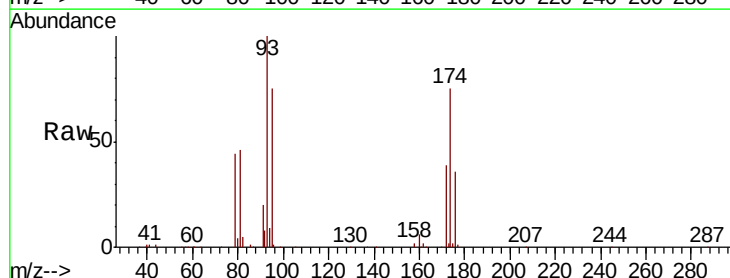
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

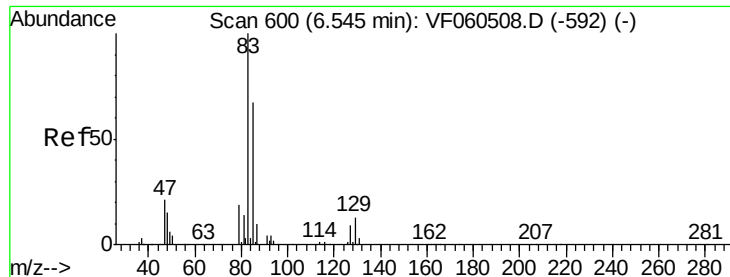
Tgt Ion: 63 Resp: 152413
 Ion Ratio Lower Upper
 63 100
 65 29.4 22.7 34.1



#46
 Dibromomethane
 Concen: 114.355 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion: 93 Resp: 144821
 Ion Ratio Lower Upper
 93 100
 95 74.7 63.8 95.8
 174 74.6 64.9 97.3





#47

Bromodichloromethane

Concen: 128.222 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

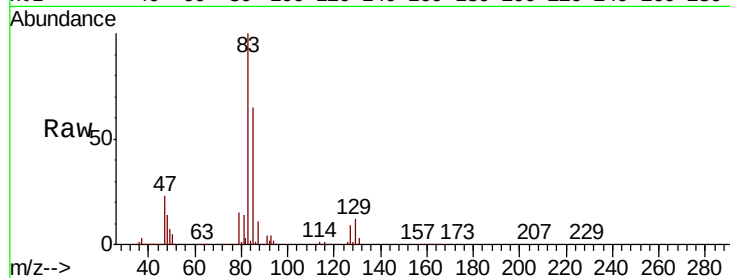
Tgt Ion: 83 Resp: 410107

Ion Ratio Lower Upper

83 100

85 64.6 53.4 80.0

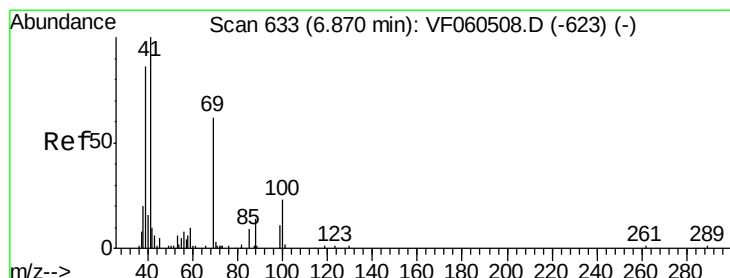
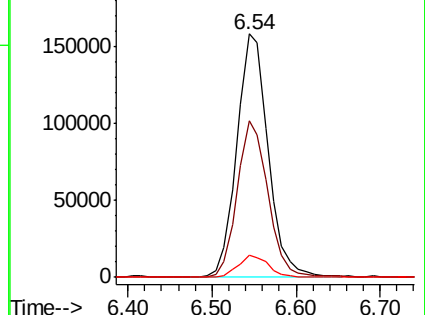
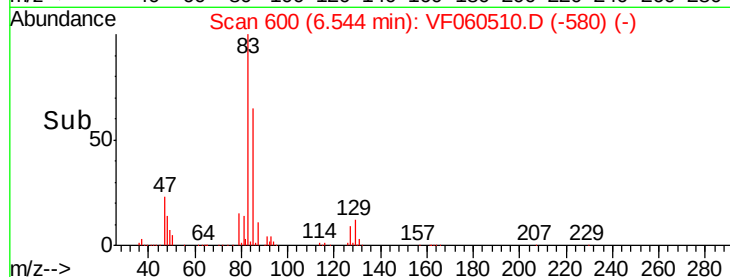
127 8.9 6.9 10.3



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: 106.775 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

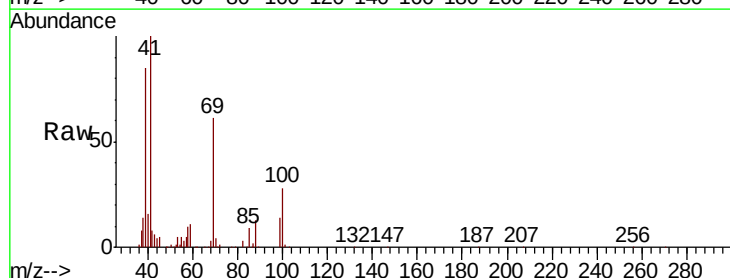
Tgt Ion: 41 Resp: 100022

Ion Ratio Lower Upper

41 100

69 61.5 49.6 74.4

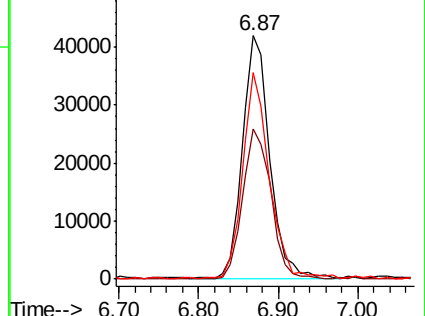
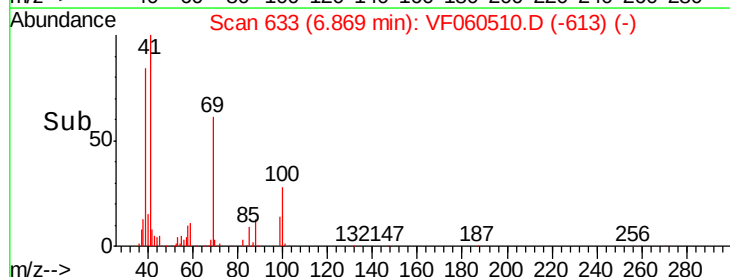
39 85.0 69.4 104.2

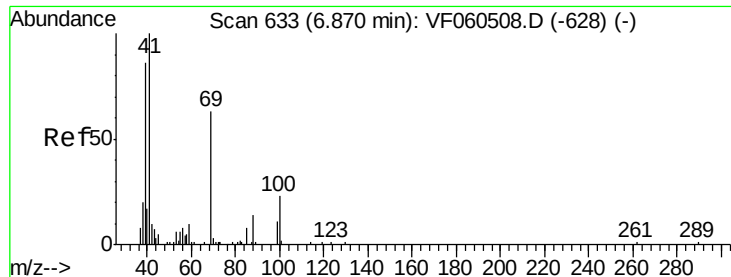


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

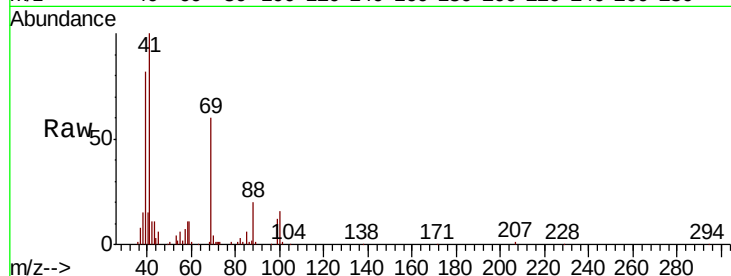




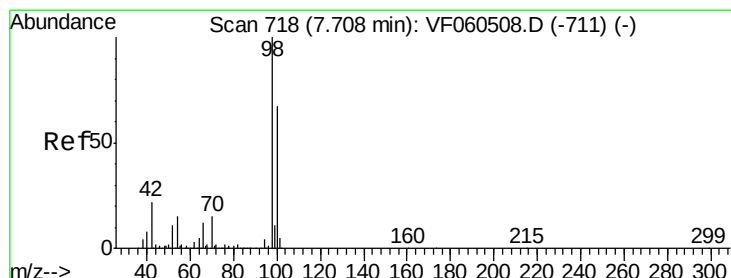
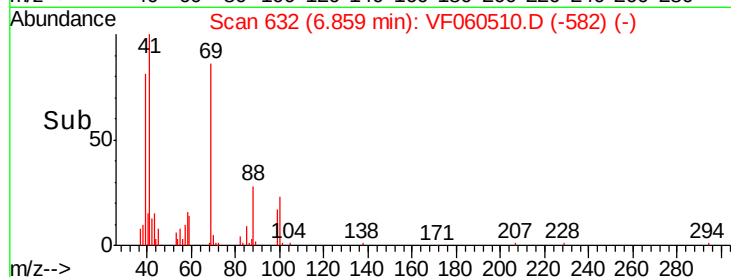
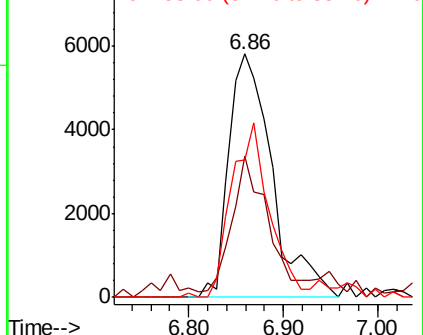
#49
1,4-Dioxane
Concen: 2287.886 ug/l
RT: 6.86 min Scan# 632
Delta R.T. -0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion: 88 Resp: 18425
Ion Ratio Lower Upper
88 100
43 58.0 39.3 58.9
58 56.4 35.0 52.6#

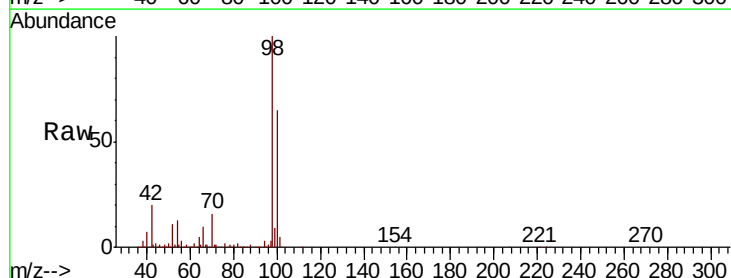


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

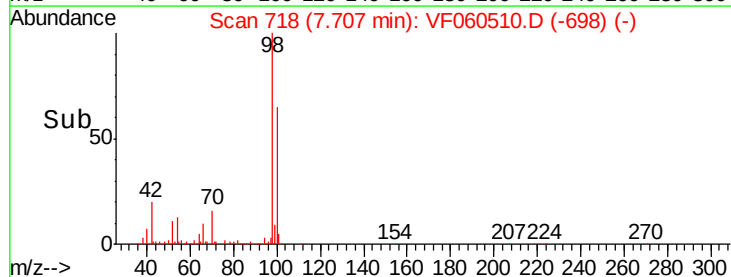
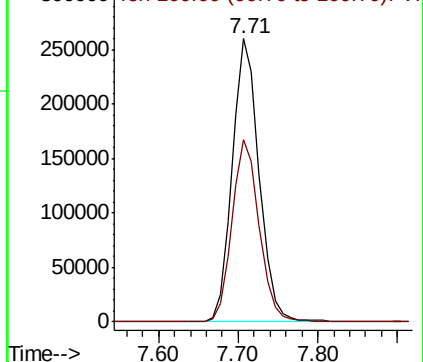


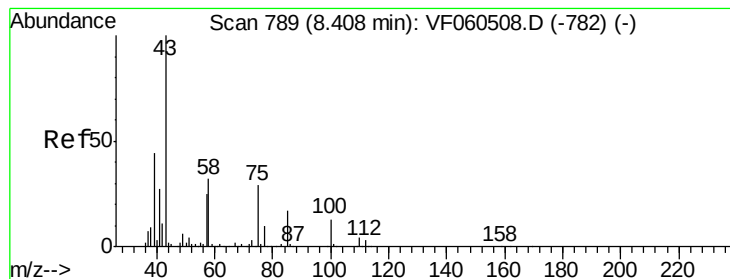
#50
Toluene-d8
Concen: 102.662 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion: 98 Resp: 613387
Ion Ratio Lower Upper
98 100
100 64.6 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: 506.771 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

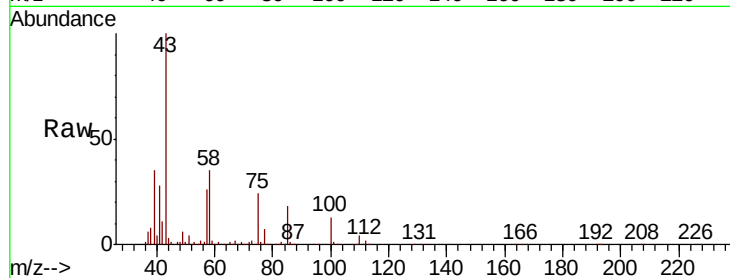
VSTDIC100

Tgt Ion: 43 Resp: 488866

Ion Ratio Lower Upper

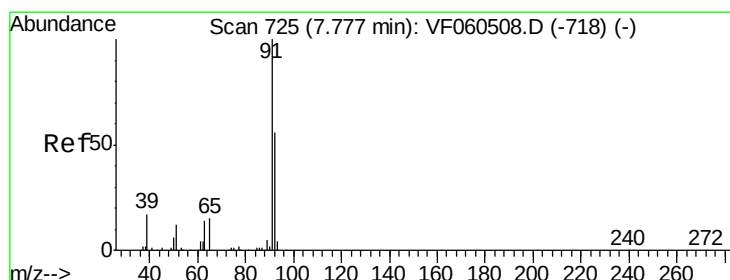
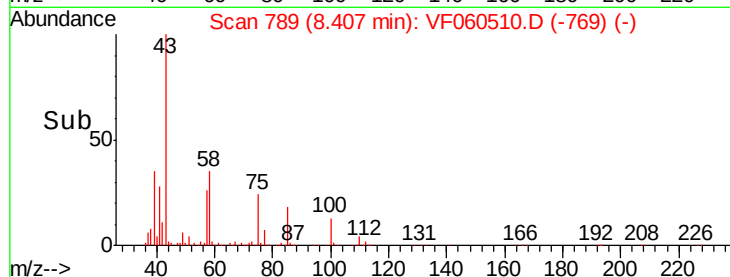
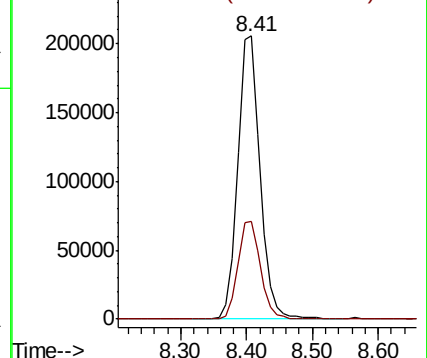
43 100

58 34.5 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 94.260 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060510.D

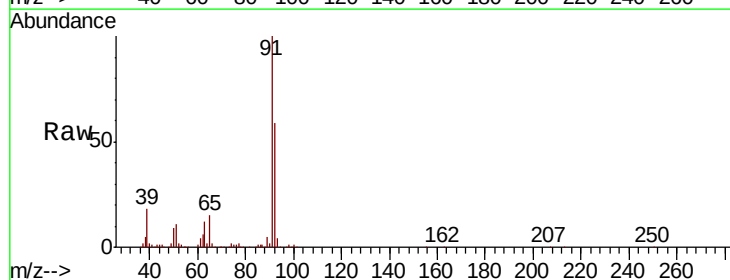
Acq: 25 Oct 2018 16:31

Tgt Ion: 92 Resp: 382866

Ion Ratio Lower Upper

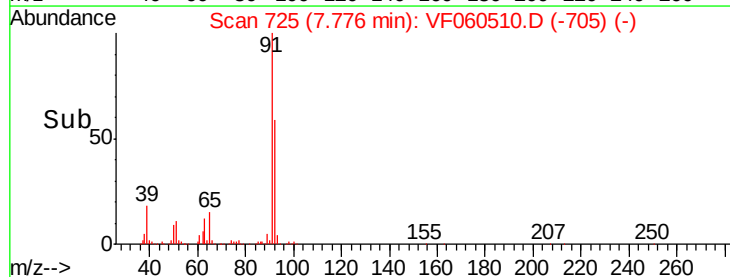
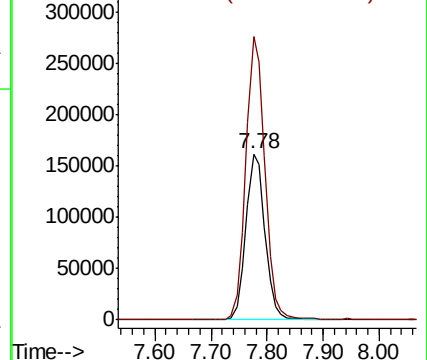
92 100

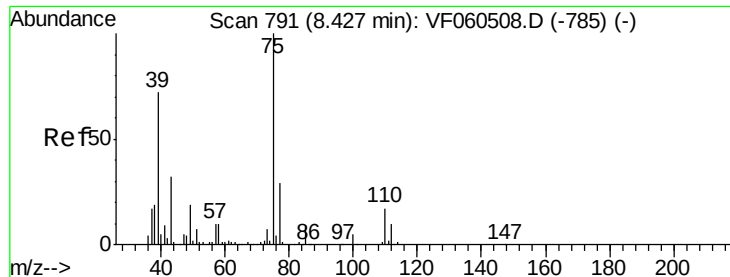
91 170.9 143.8 215.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 112.968 ug/l

RT: 8.43 min Scan# 791

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

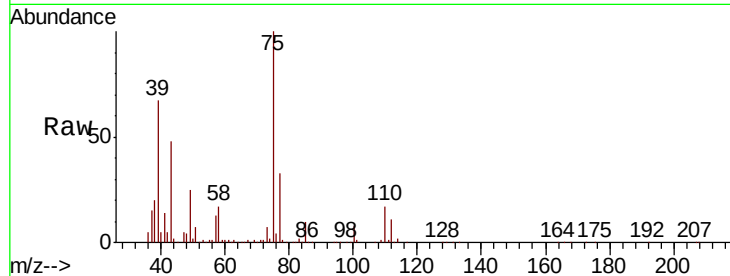
VSTDIC100

Tgt Ion: 75 Resp: 280622

Ion Ratio Lower Upper

75 100

77 32.9 23.7 35.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.43

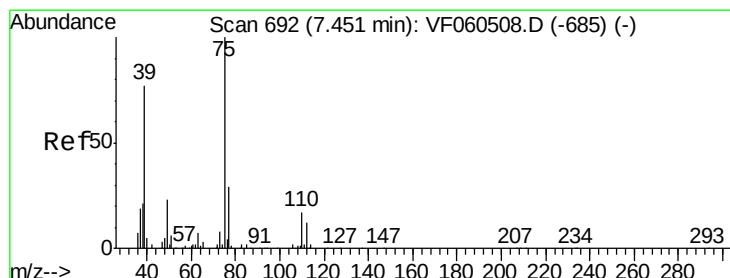
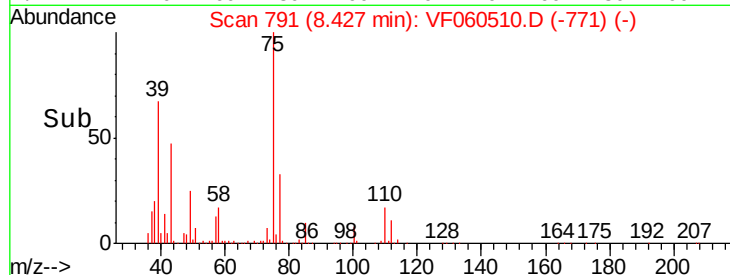
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 107.022 ug/l

RT: 7.46 min Scan# 693

Delta R.T. 0.01 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

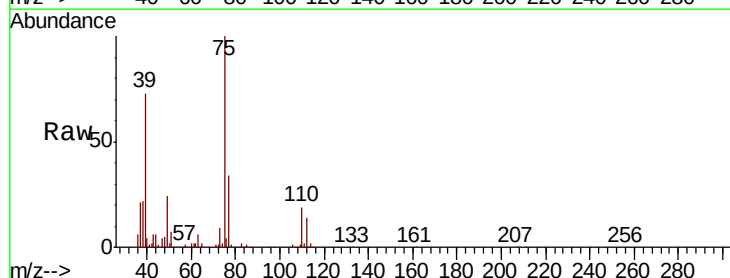
Tgt Ion: 75 Resp: 309631

Ion Ratio Lower Upper

75 100

77 33.7 23.6 35.4

39 73.0 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

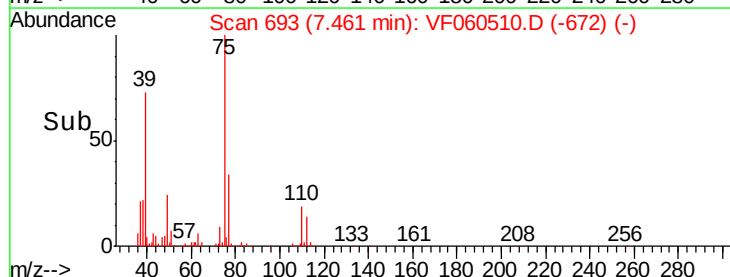
150000

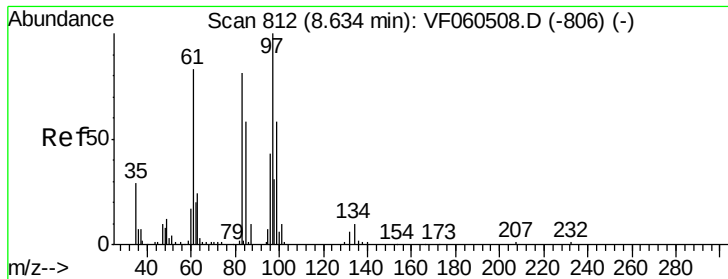
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 103.368 ug/l

RT: 8.63 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 129038

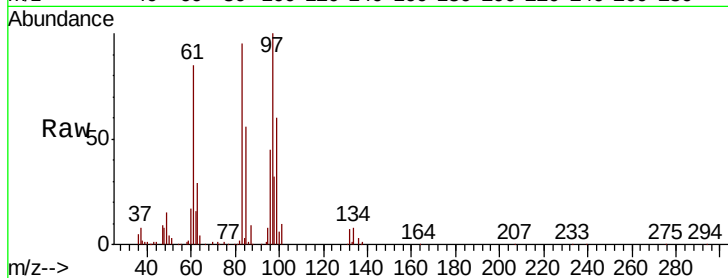
Ion Ratio Lower Upper

97 100

83 95.4 65.0 97.4

85 56.3 47.0 70.6

99 60.2 46.2 69.4

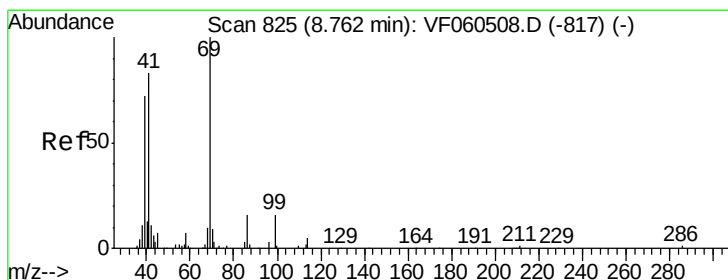
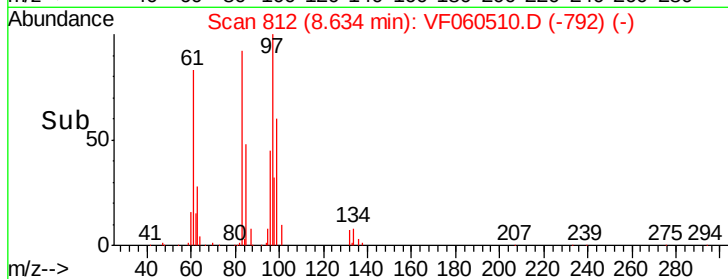
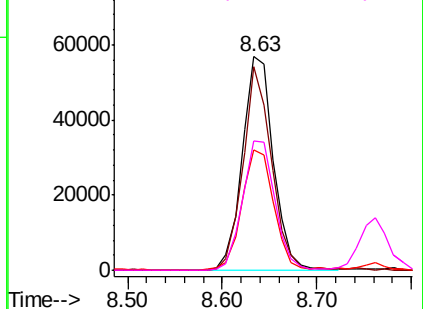


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 99.143 ug/l

RT: 8.76 min Scan# 825

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

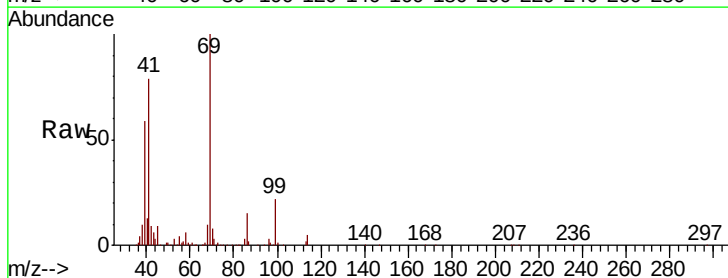
Tgt Ion: 69 Resp: 143197

Ion Ratio Lower Upper

69 100

41 78.5 67.2 100.8

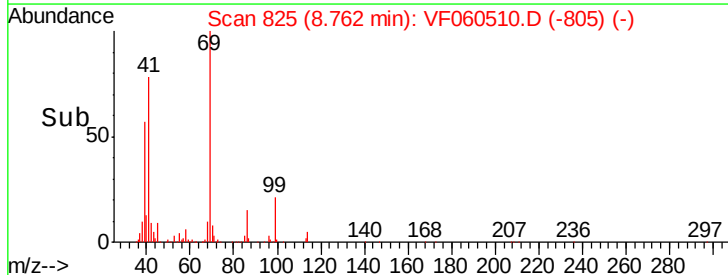
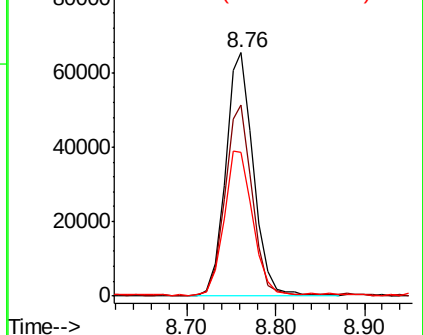
39 58.8 58.4 87.6

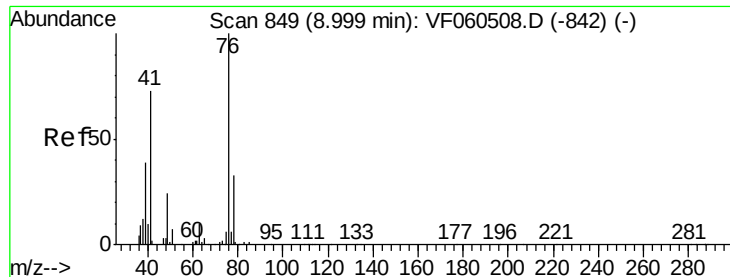


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 100.993 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

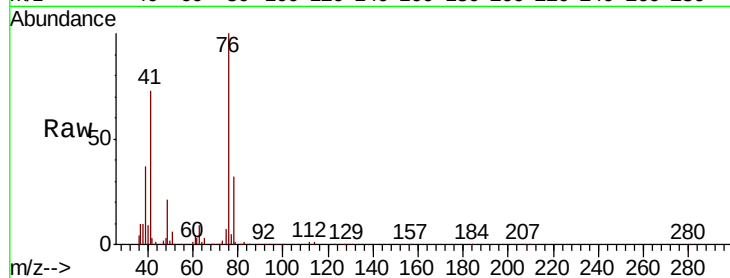
VSTDIC100

Tgt Ion: 76 Resp: 217085

Ion Ratio Lower Upper

76 100

78 32.2 26.6 40.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

100000

80000

60000

40000

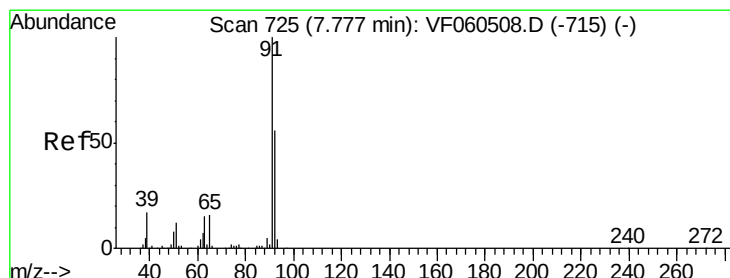
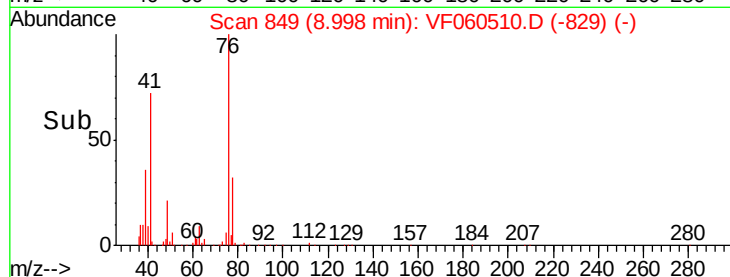
20000

0

9.00

8.90 9.00 9.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 593.579 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060510.D

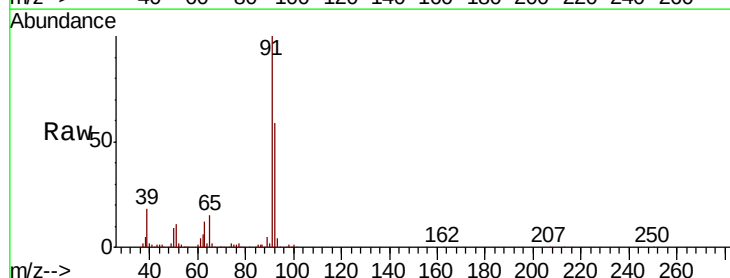
Acq: 25 Oct 2018 16:31

Tgt Ion: 63 Resp: 87121

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

40000

30000

20000

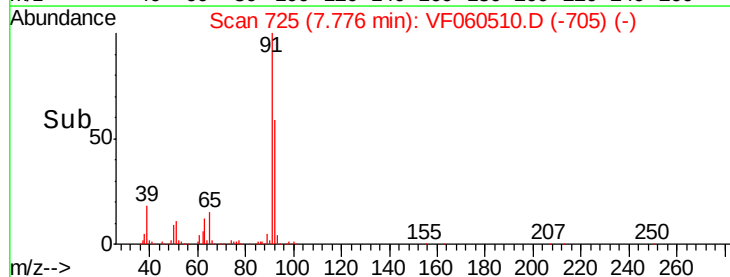
10000

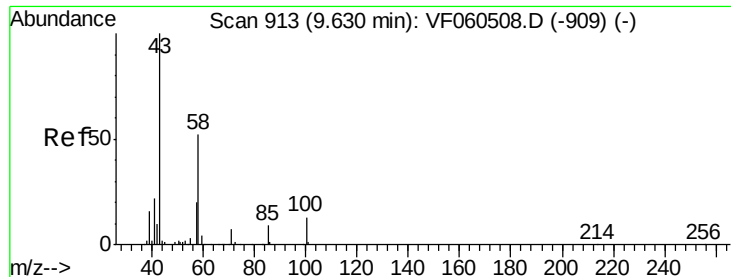
0

7.78

7.60 7.70 7.80 7.90

Time-->

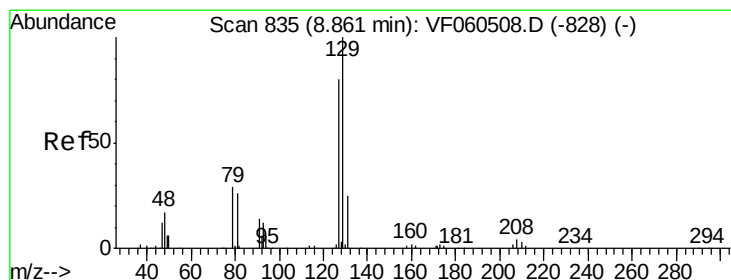
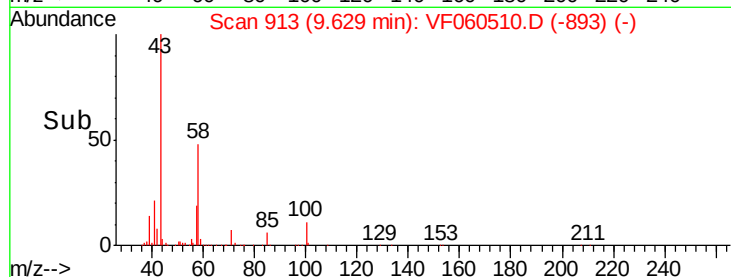
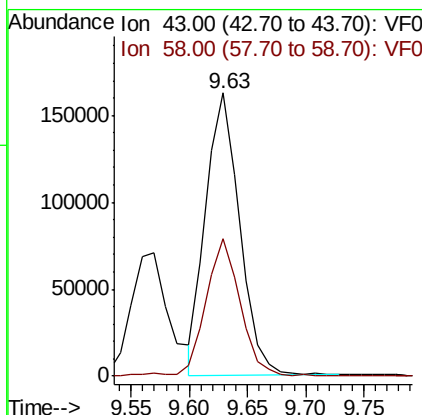
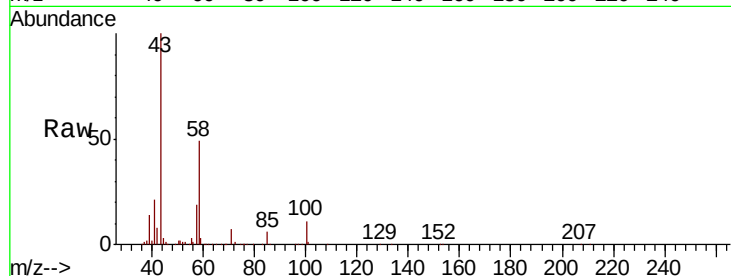




#59
2-Hexanone
Concen: 468.300 ug/l
RT: 9.63 min Scan# 913
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

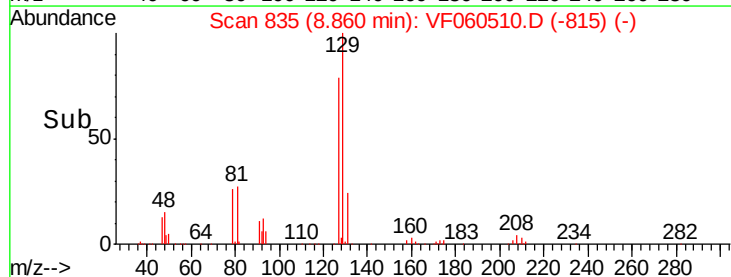
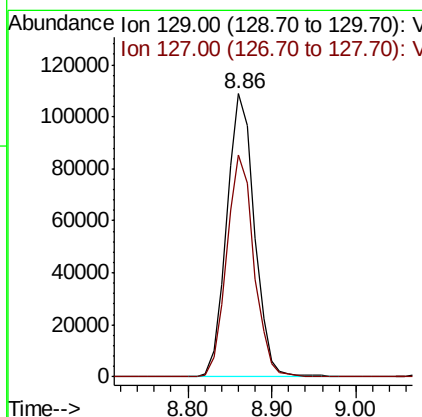
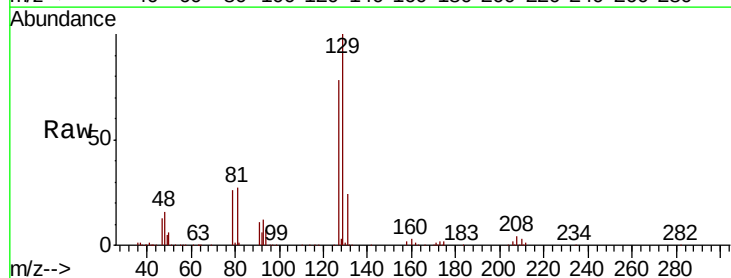
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

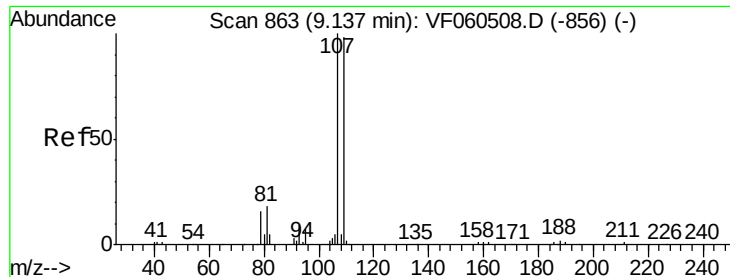
Tgt Ion: 43 Resp: 326771
Ion Ratio Lower Upper
43 100
58 48.5 23.5 70.5



#60
Dibromochloromethane
Concen: 127.390 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion: 129 Resp: 249624
Ion Ratio Lower Upper
129 100
127 78.5 40.2 120.5

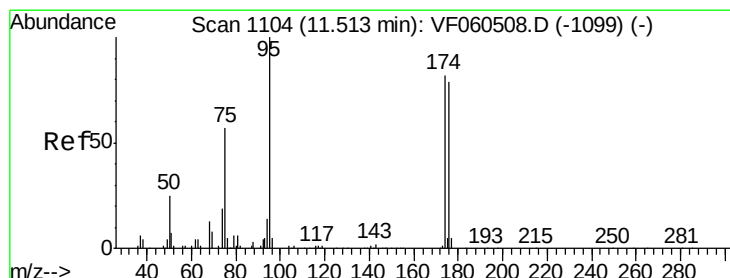
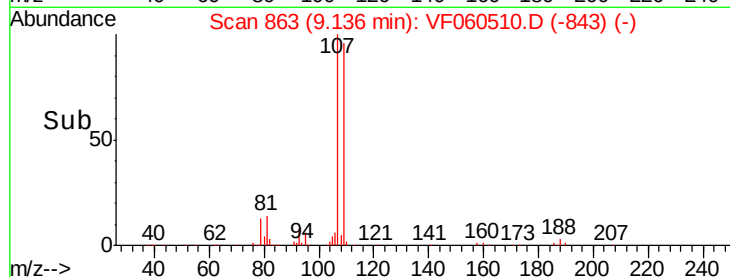
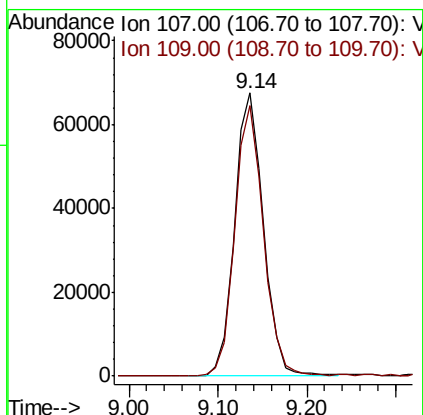
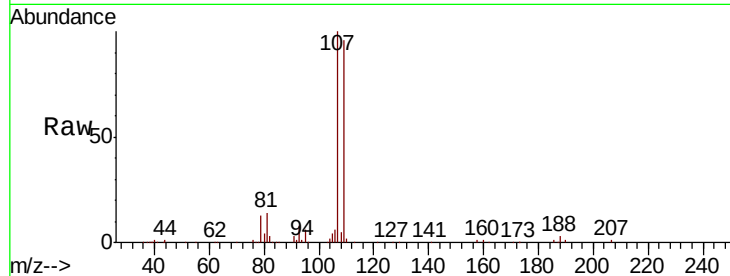




#61
 1,2-Dibromoethane
 Concen: 107.763 ug/l
 RT: 9.14 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

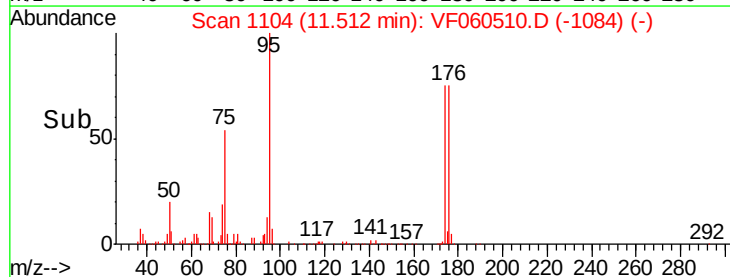
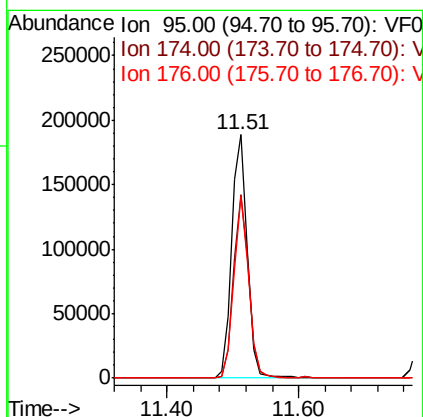
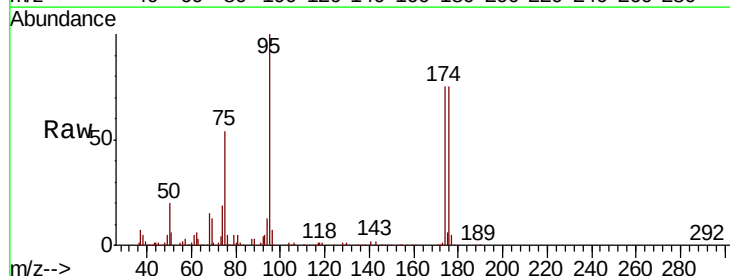
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

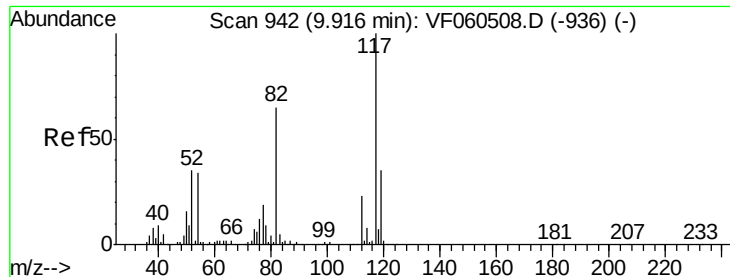
Tgt Ion: 107 Resp: 151998
 Ion Ratio Lower Upper
 107 100
 109 95.7 78.6 118.0



#62
 4-Bromofluorobenzene
 Concen: 120.150 ug/l
 RT: 11.51 min Scan# 1104
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion: 95 Resp: 314969
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 164.2
 176 74.7 0.0 158.4

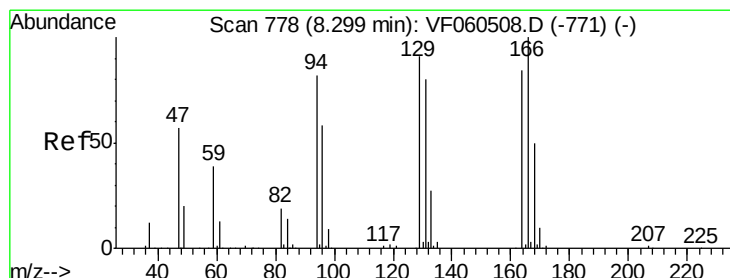
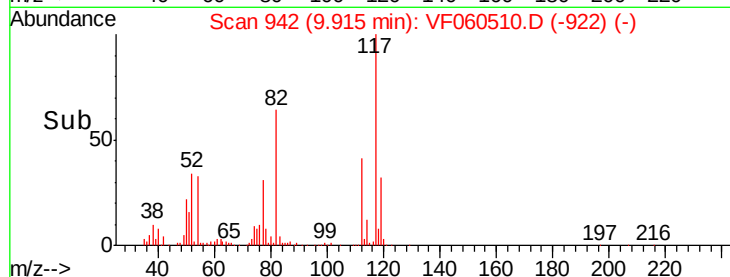
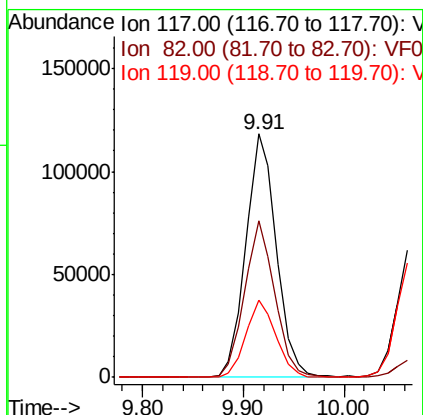
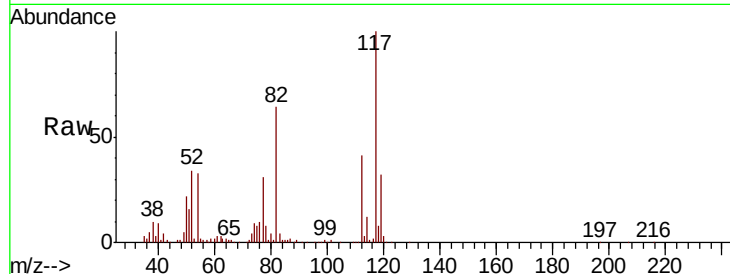




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

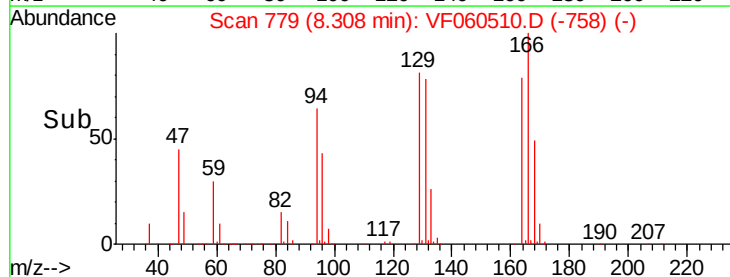
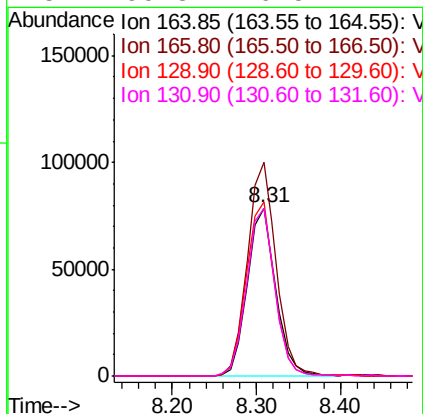
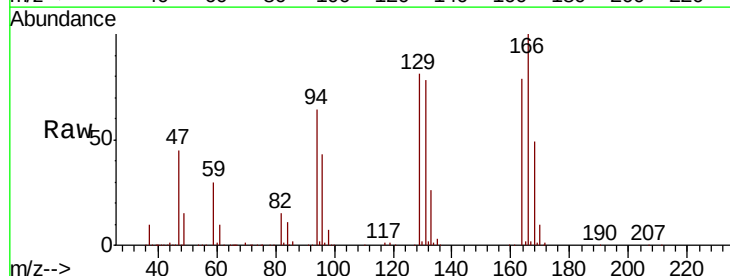
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

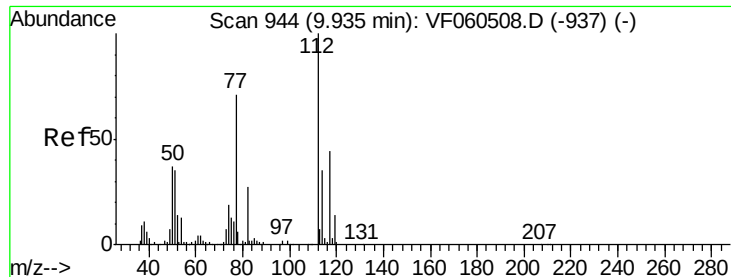
Tgt Ion:117 Resp: 250888
Ion Ratio Lower Upper
117 100
82 64.5 51.7 77.5
119 31.5 28.3 42.5



#64
Tetrachloroethene
Concen: 93.534 ug/l
RT: 8.31 min Scan# 779
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion:164 Resp: 185994
Ion Ratio Lower Upper
164 100
166 127.0 95.1 142.7
129 103.3 86.3 129.5
131 99.3 76.5 114.7

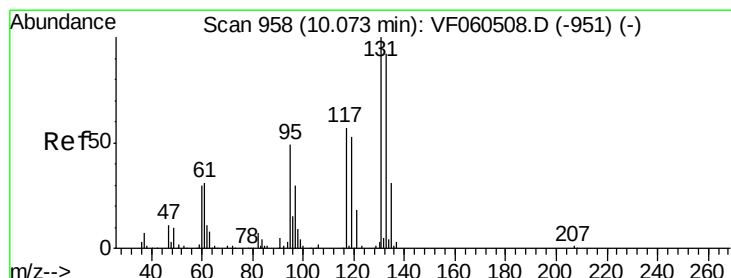
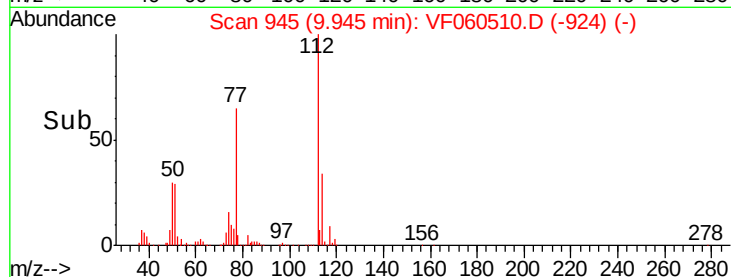
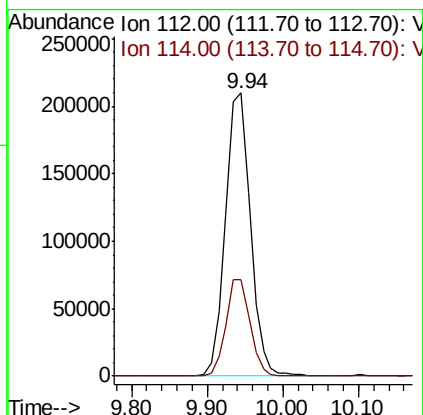
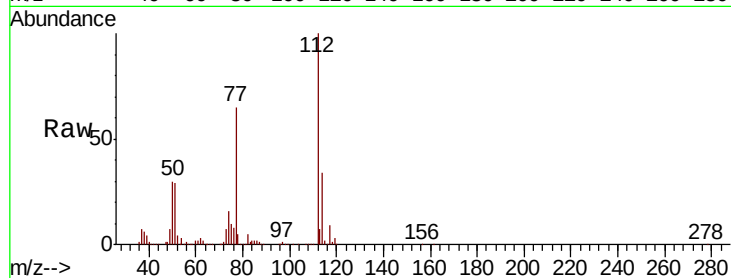




#65
Chlorobenzene
Concen: 98.898 ug/l
RT: 9.94 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

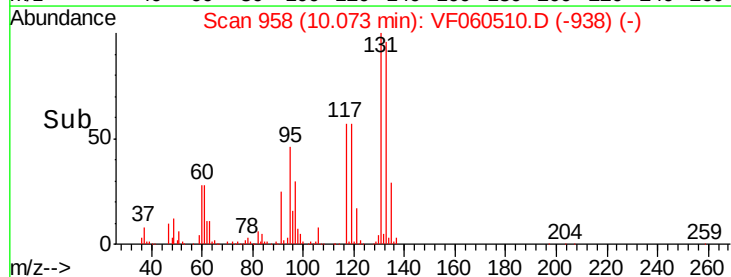
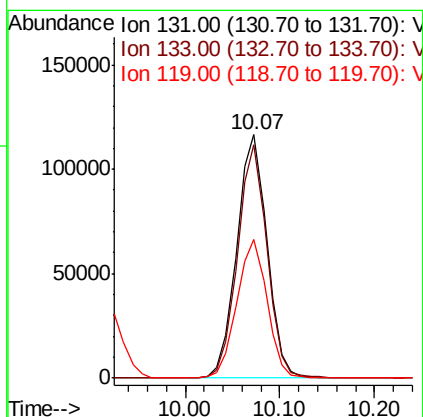
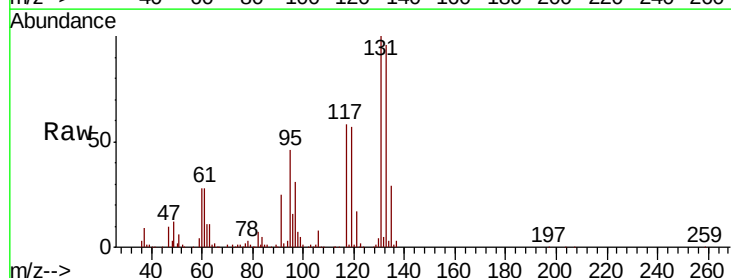
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

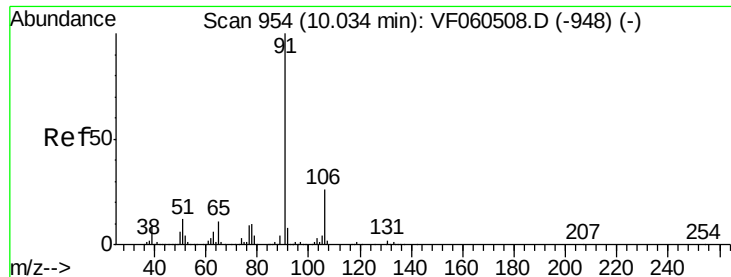
Tgt Ion:112 Resp: 481870
Ion Ratio Lower Upper
112 100
114 34.0 27.7 41.5



#66
1,1,1,2-Tetrachloroethane
Concen: 117.358 ug/l
RT: 10.07 min Scan# 958
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion:131 Resp: 257570
Ion Ratio Lower Upper
131 100
133 95.9 46.1 138.2
119 57.2 27.0 80.8





#67

Ethyl Benzene

Concen: 103.101 ug/l

RT: 10.03 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

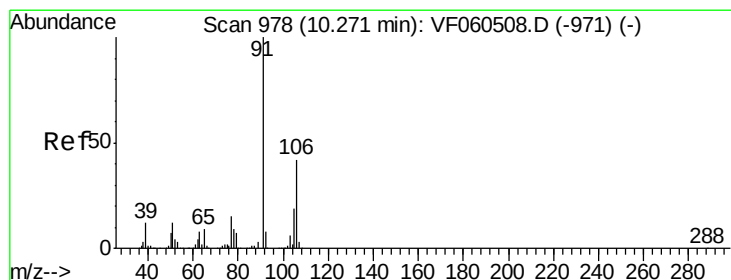
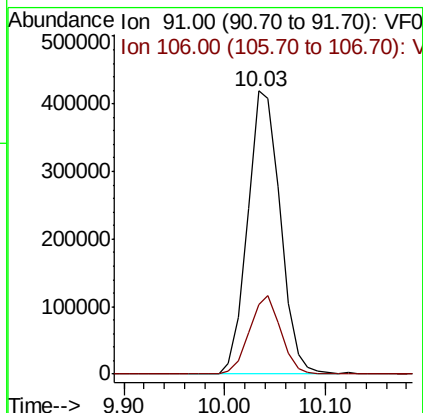
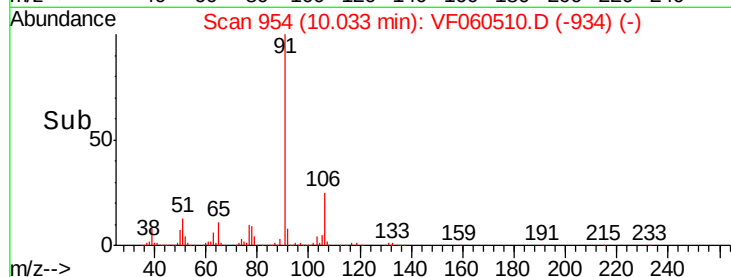
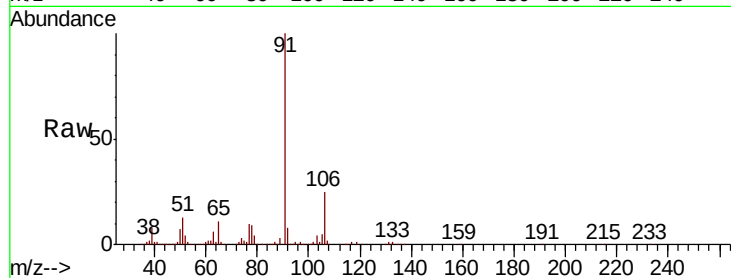
VSTDIC100

Tgt Ion: 91 Resp: 947765

Ion Ratio Lower Upper

91 100

106 24.7 20.7 31.1



#68

m/p-Xylenes

Concen: 196.114 ug/l

RT: 10.27 min Scan# 978

Delta R.T. -0.00 min

Lab File: VF060510.D

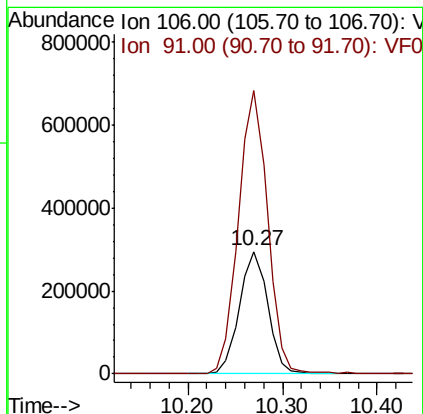
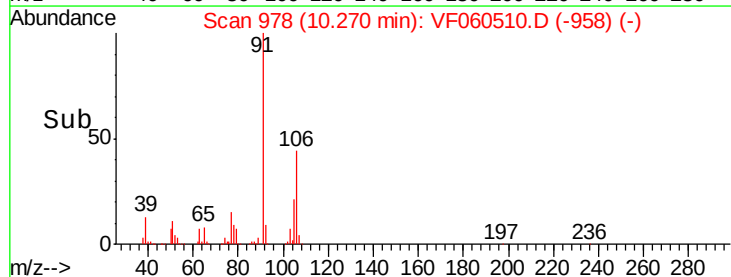
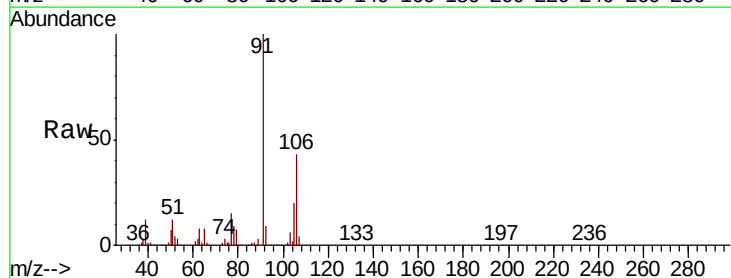
Acq: 25 Oct 2018 16:31

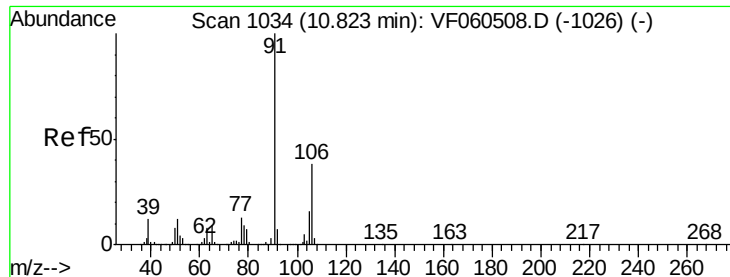
Tgt Ion: 106 Resp: 615415

Ion Ratio Lower Upper

106 100

91 231.0 192.5 288.7

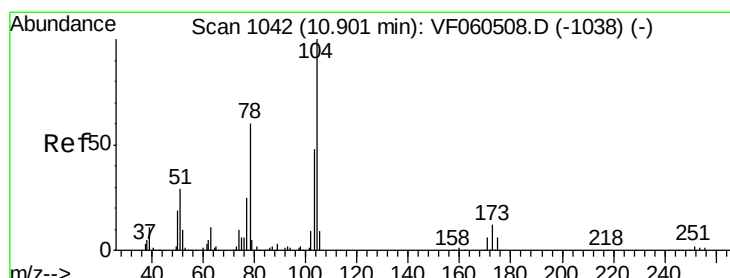
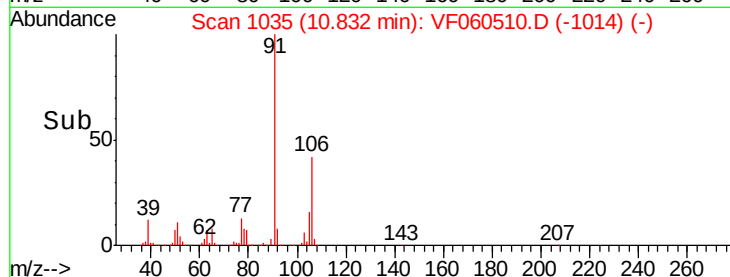
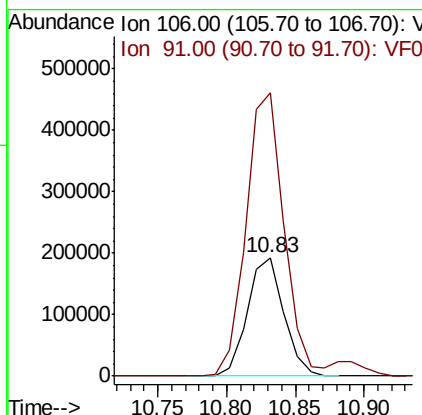
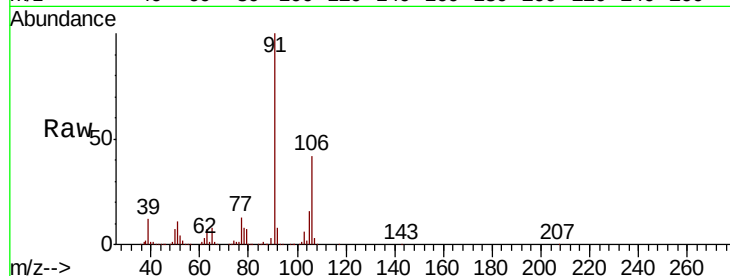




#69
o-Xylene
Concen: 104.526 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

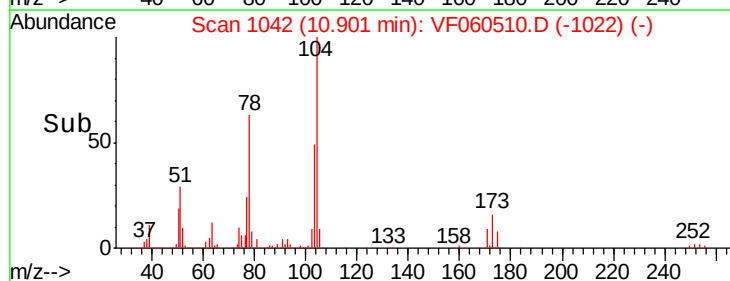
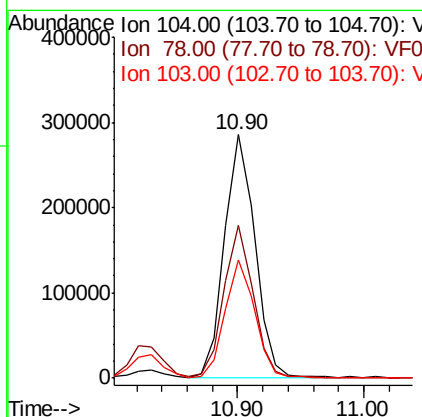
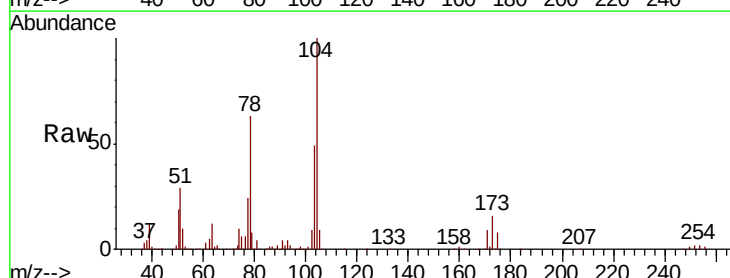
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

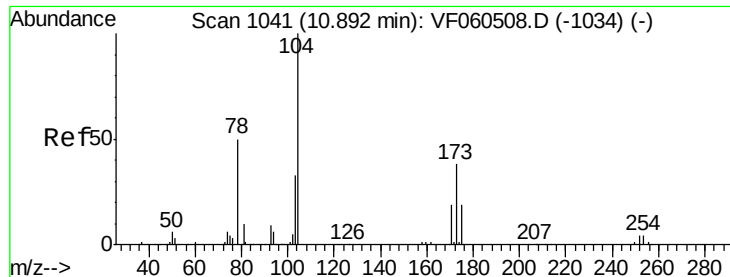
Tgt Ion:106 Resp: 356708
Ion Ratio Lower Upper
106 100
91 238.3 130.9 392.7



#70
Styrene
Concen: 97.678 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion:104 Resp: 479818
Ion Ratio Lower Upper
104 100
78 62.6 48.7 73.1
103 48.7 38.8 58.2





#71

Bromoform

Concen: 120.743 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

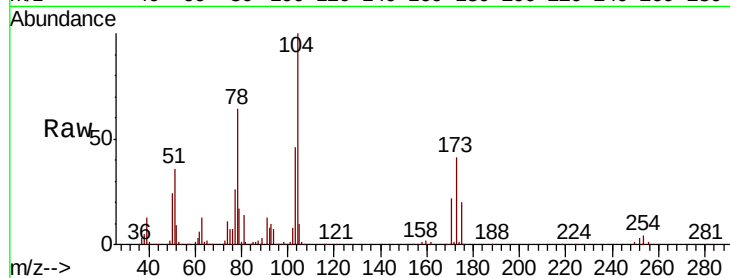
Tgt Ion:173 Resp: 134351

Ion Ratio Lower Upper

173 100

175 50.3 25.5 76.5

254 0.0 0.0 0.0

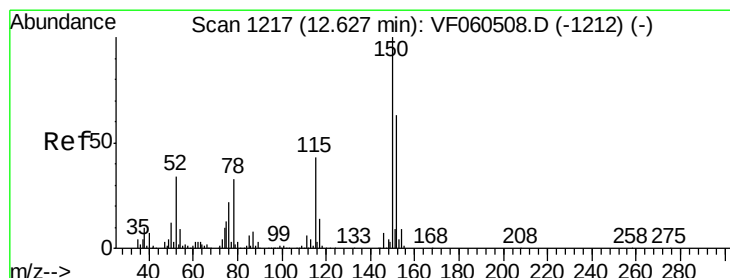
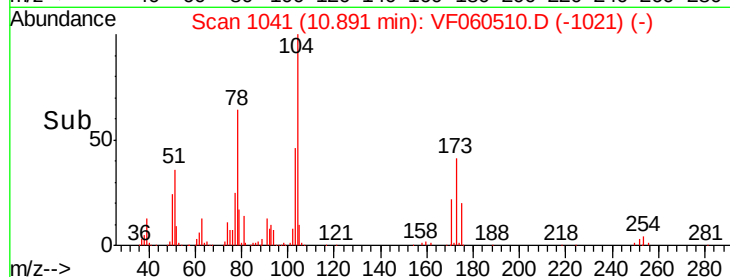
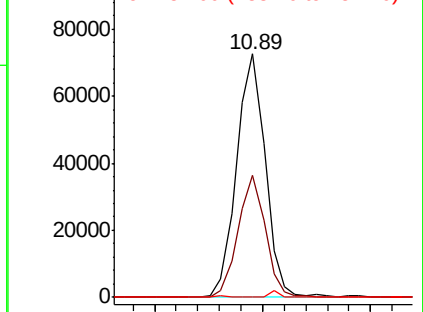


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

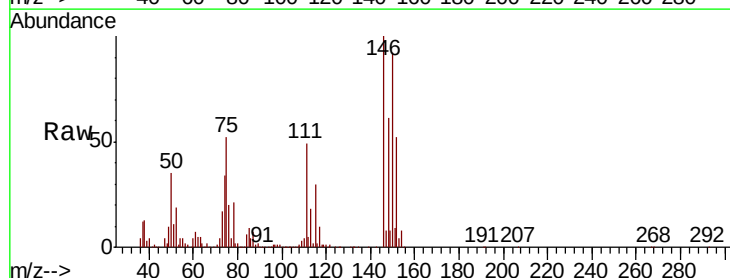
Tgt Ion:152 Resp: 167412

Ion Ratio Lower Upper

152 100

115 57.9 34.6 103.9

150 174.8 0.0 319.8

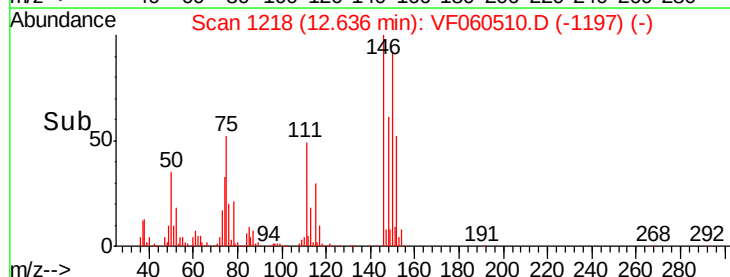
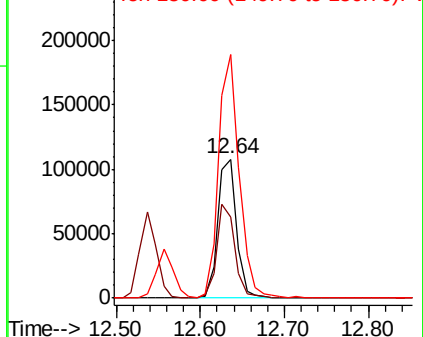


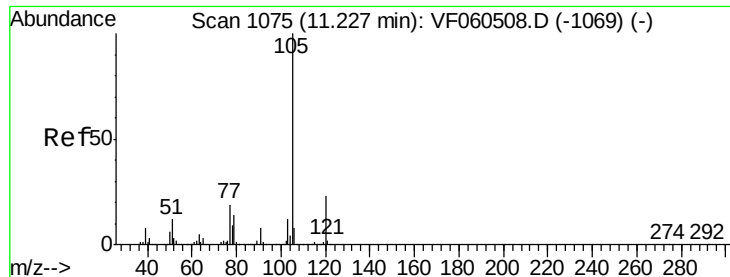
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 92.870 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

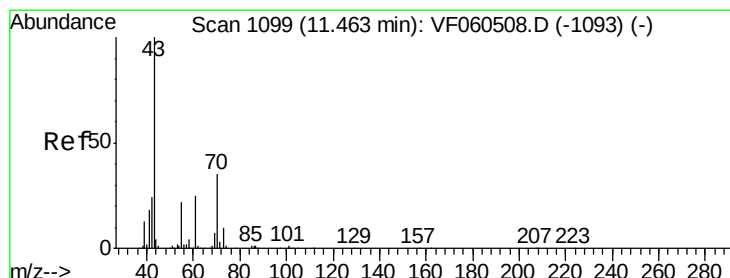
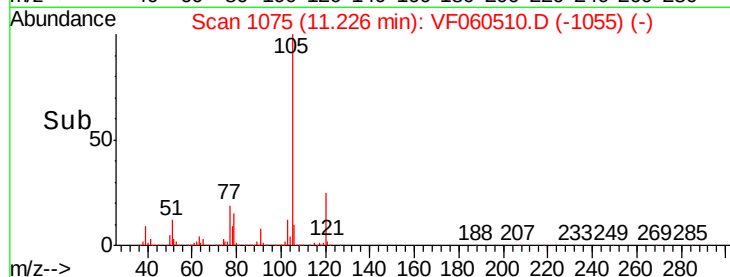
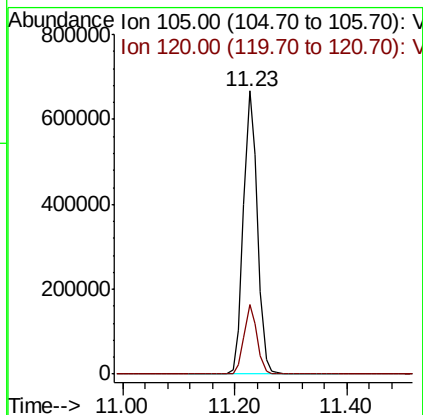
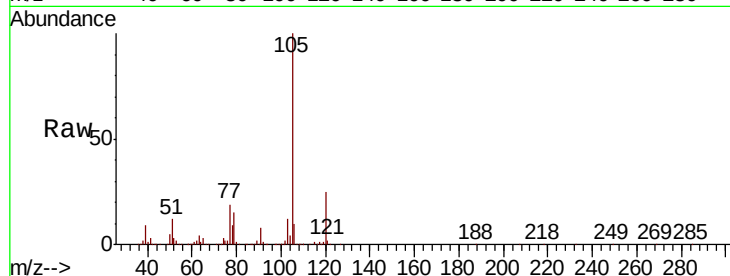
VSTDIC100

Tgt Ion:105 Resp: 1155695

Ion Ratio Lower Upper

105 100

120 24.6 11.6 34.7



#74

N-amyl acetate

Concen: 80.771 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Tgt Ion: 43 Resp: 218778

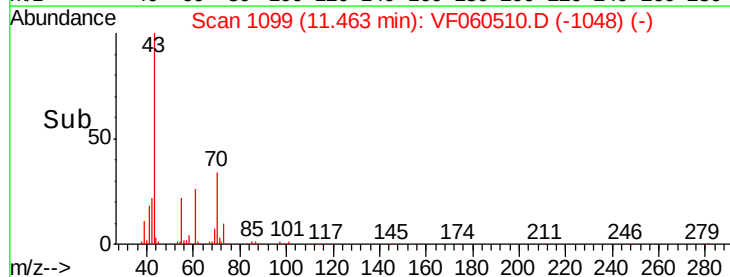
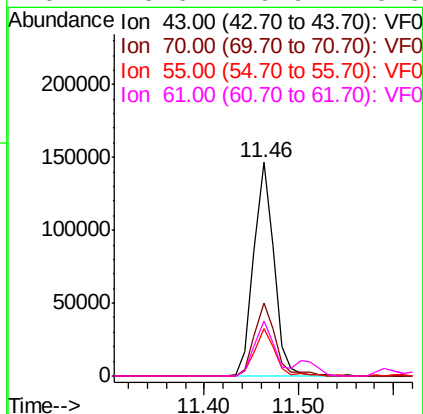
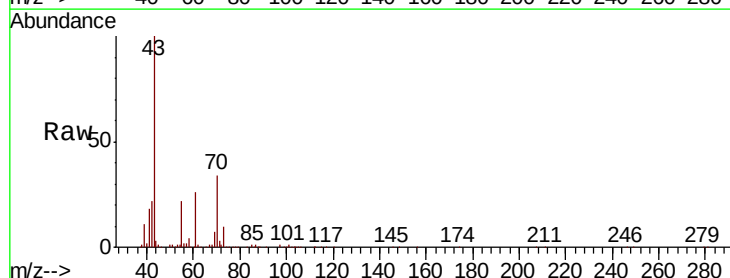
Ion Ratio Lower Upper

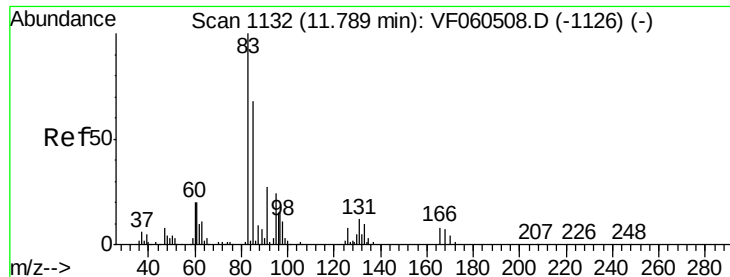
43 100

70 34.1 28.2 42.2

55 22.2 17.9 26.9

61 25.6 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 94.612 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

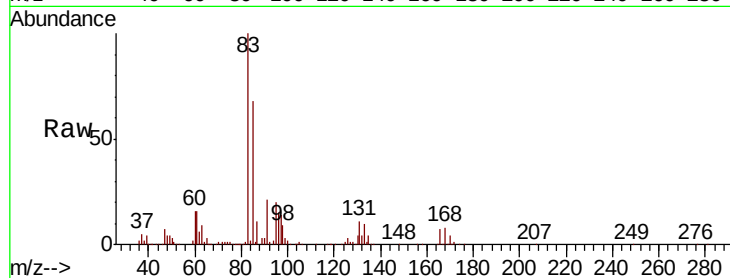
Tgt Ion: 83 Resp: 197893

Ion Ratio Lower Upper

83 100

131 11.2 5.8 17.4

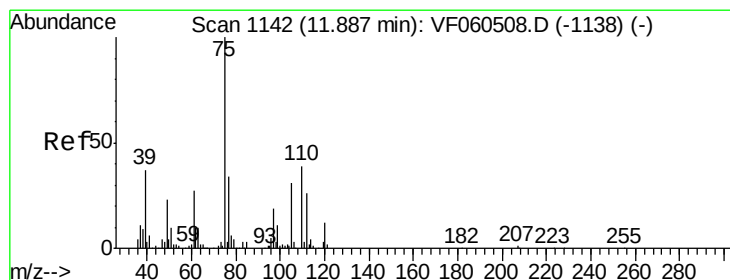
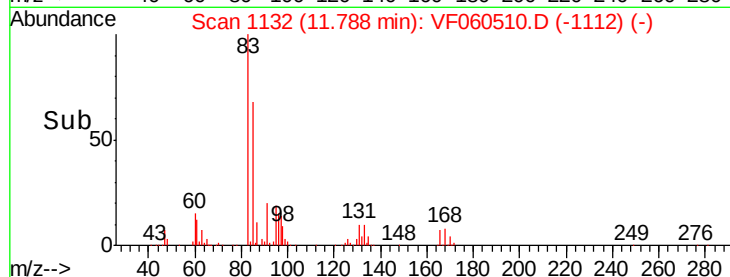
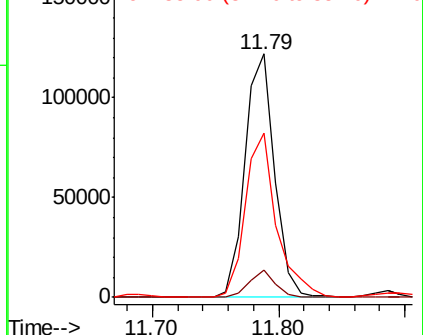
85 67.6 34.2 102.6



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: 98.501 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060510.D

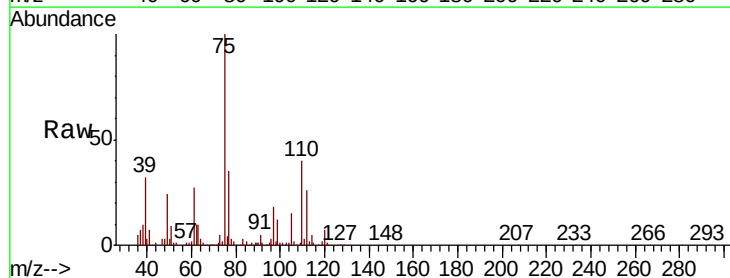
Acq: 25 Oct 2018 16:31

Tgt Ion: 75 Resp: 159271

Ion Ratio Lower Upper

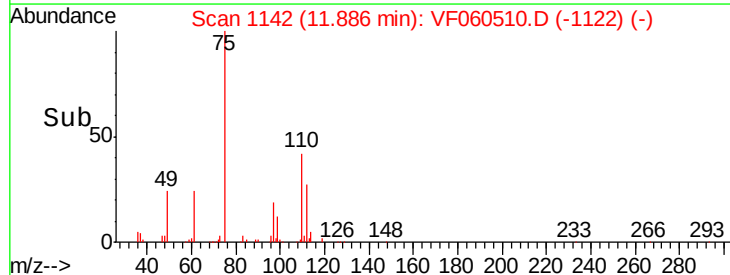
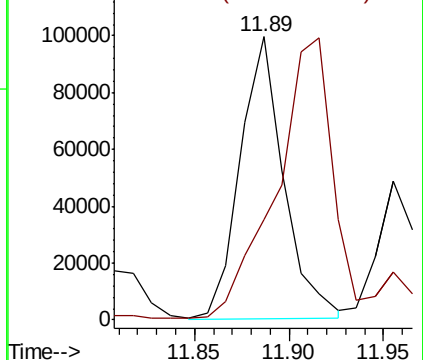
75 100

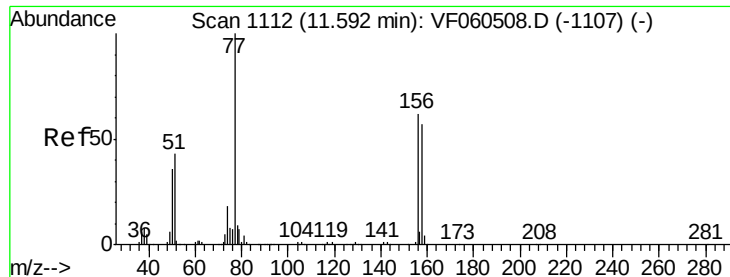
77 35.2 17.2 51.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 95.762 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

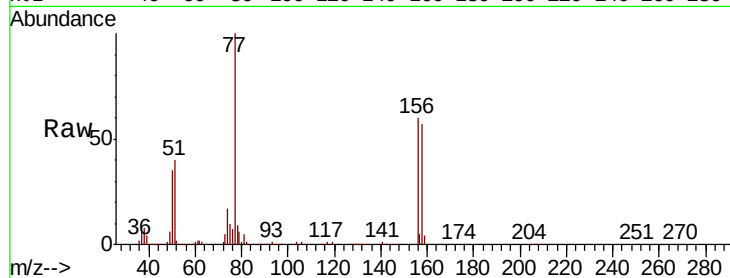
Tgt Ion:156 Resp: 264826

Ion Ratio Lower Upper

156 100

77 166.6 80.1 240.3

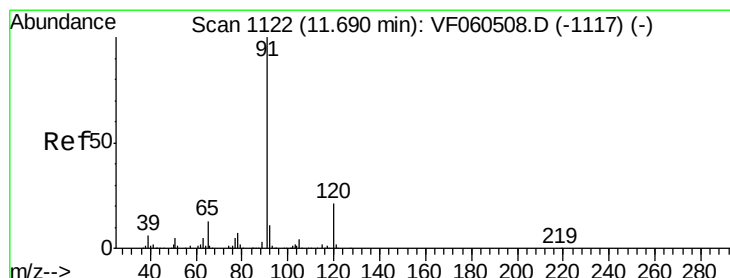
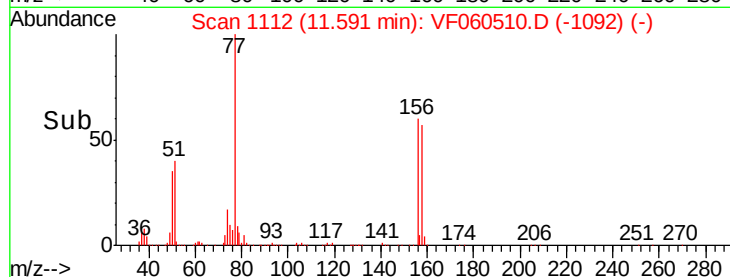
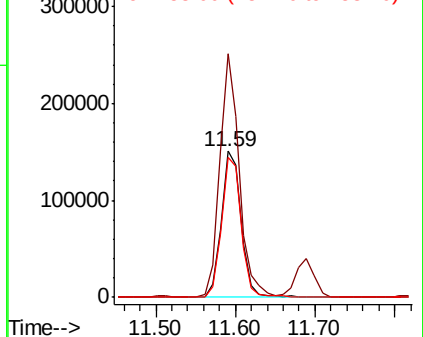
158 95.6 45.9 137.6



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: 93.800 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF060510.D

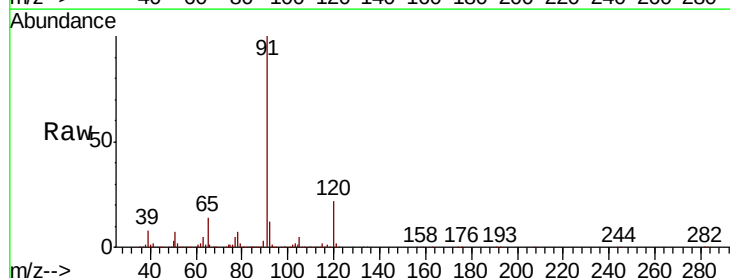
Acq: 25 Oct 2018 16:31

Tgt Ion: 91 Resp: 1390213

Ion Ratio Lower Upper

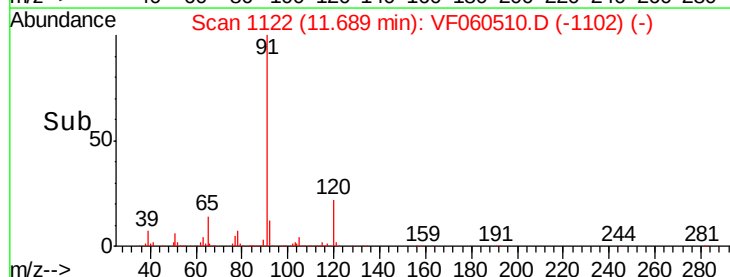
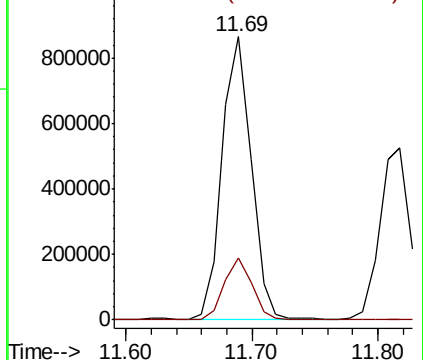
91 100

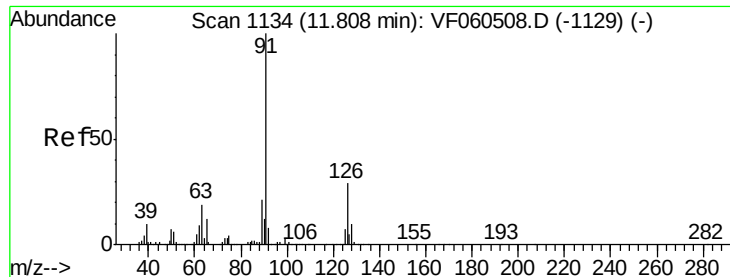
120 21.9 10.3 30.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

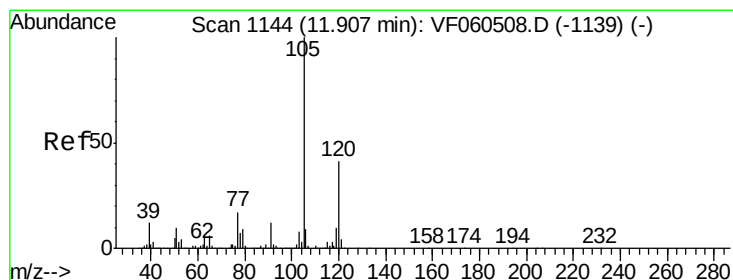
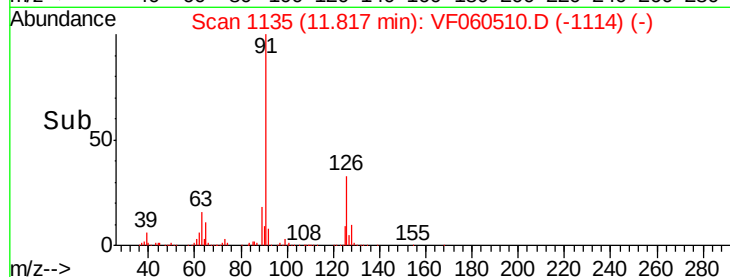
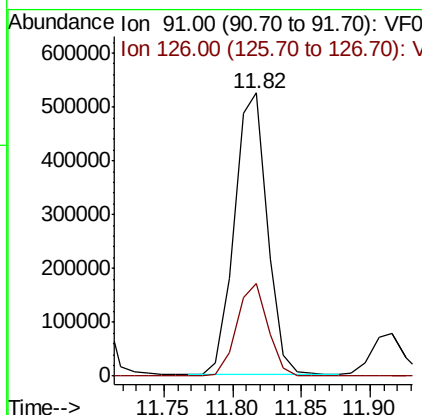
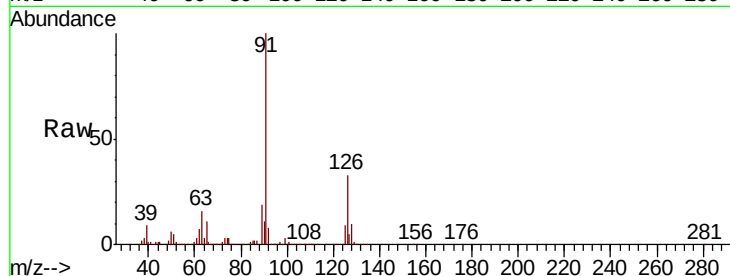




#79
 2-Chlorotoluene
 Concen: 100.098 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

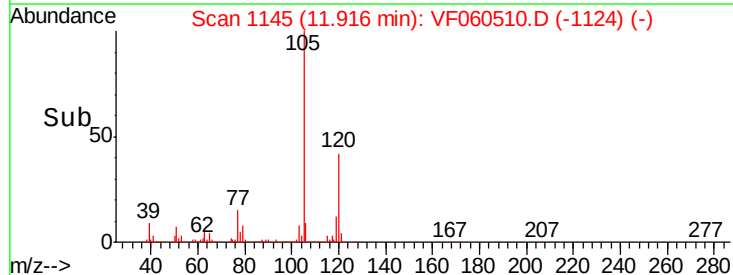
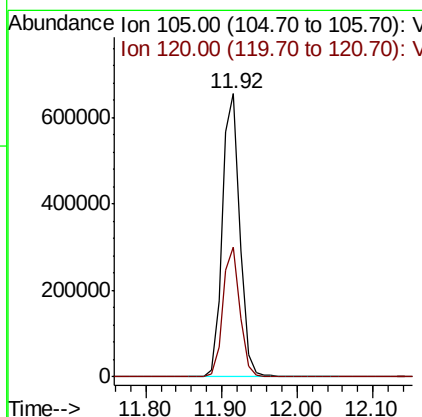
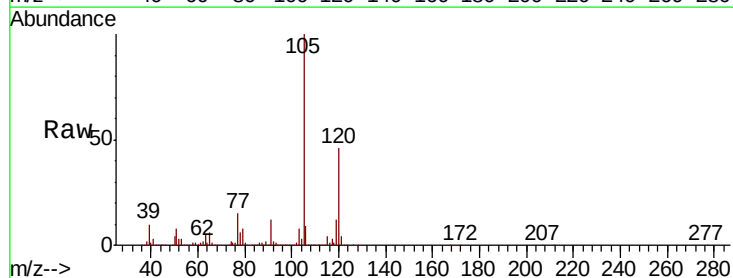
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

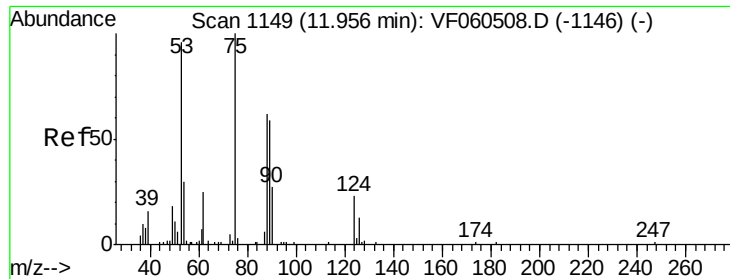
Tgt Ion: 91 Resp: 868510
 Ion Ratio Lower Upper
 91 100
 126 32.8 14.4 43.2



#80
 1,3,5-Trimethylbenzene
 Concen: 100.876 ug/l
 RT: 11.92 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion: 105 Resp: 1053110
 Ion Ratio Lower Upper
 105 100
 120 45.8 20.6 61.9





#81

trans-1,4-Dichloro-2-butene

Concen: 143.949 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

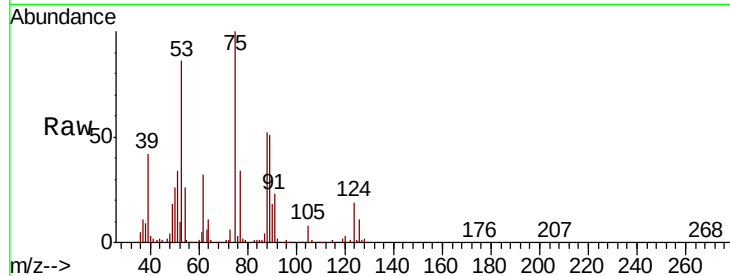
Tgt Ion: 75 Resp: 101482

Ion Ratio Lower Upper

75 100

53 85.6 85.0 127.6

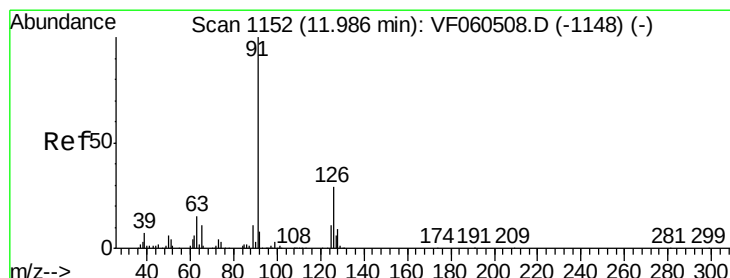
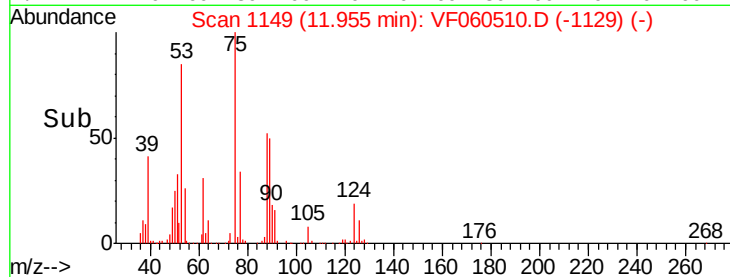
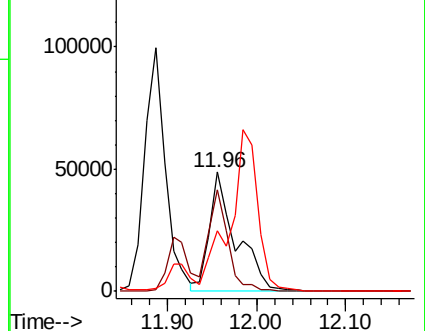
89 50.8 50.2 75.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 99.225 ug/l

RT: 11.98 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF060510.D

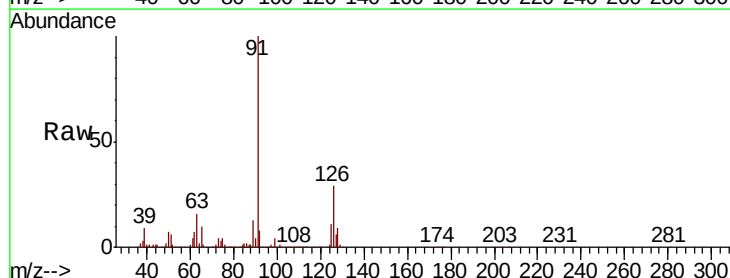
Acq: 25 Oct 2018 16:31

Tgt Ion: 91 Resp: 888244

Ion Ratio Lower Upper

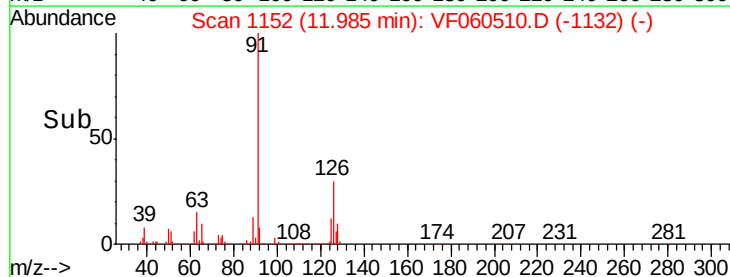
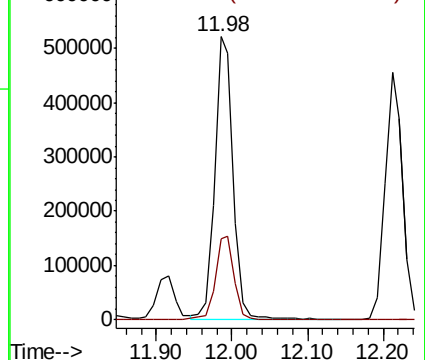
91 100

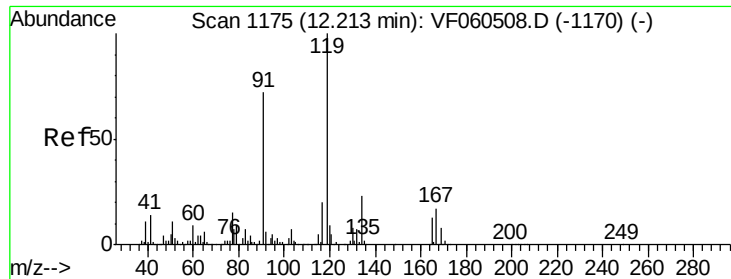
126 28.9 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

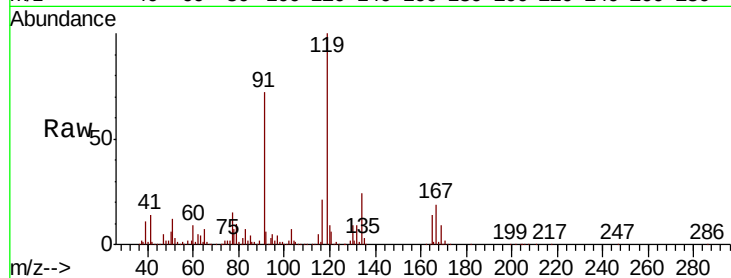




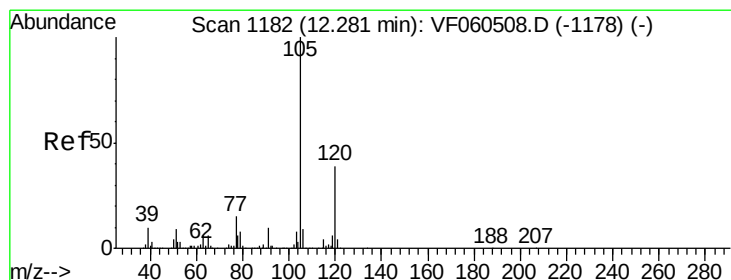
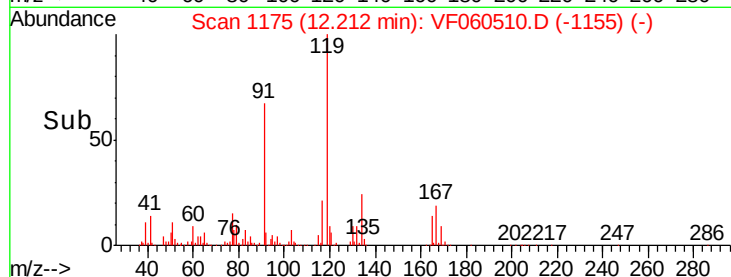
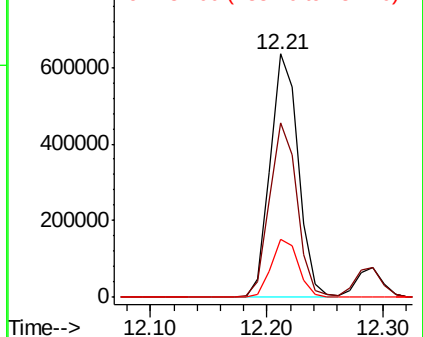
#83
tert-Butylbenzene
Concen: 101.542 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:119 Resp: 1065666
Ion Ratio Lower Upper
119 100
91 71.9 36.3 108.9
134 23.9 11.4 34.2

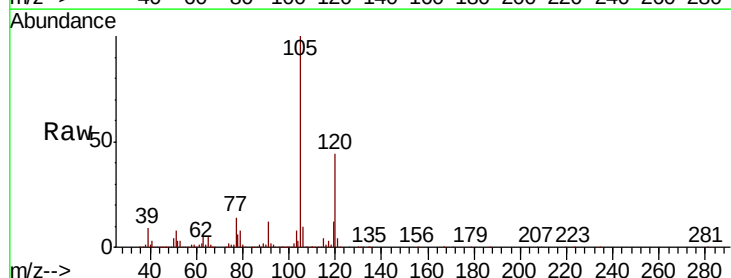


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

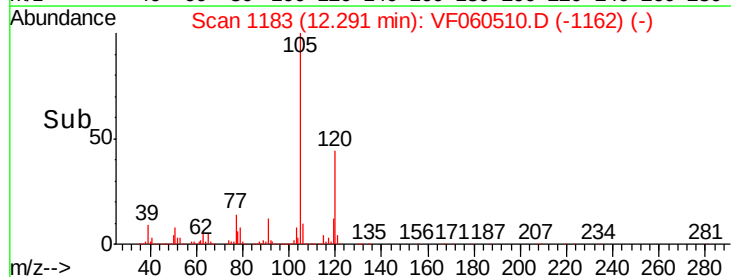
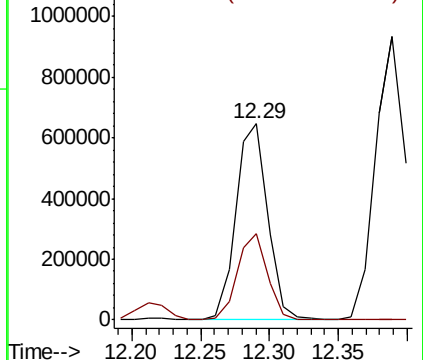


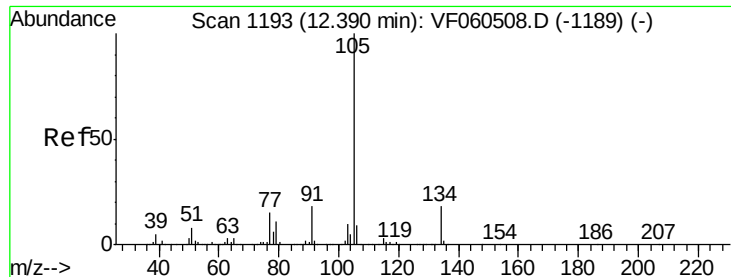
#84
1,2,4-Trimethylbenzene
Concen: 97.870 ug/l
RT: 12.29 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion:105 Resp: 1037341
Ion Ratio Lower Upper
105 100
120 44.1 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: 100.818 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

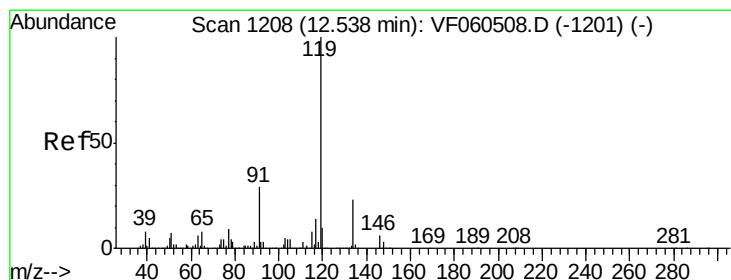
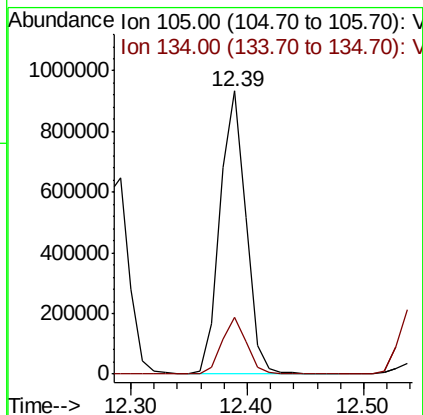
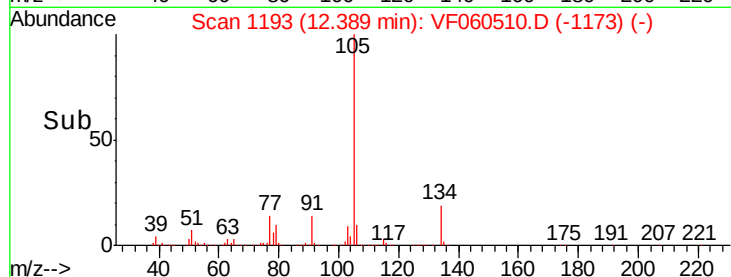
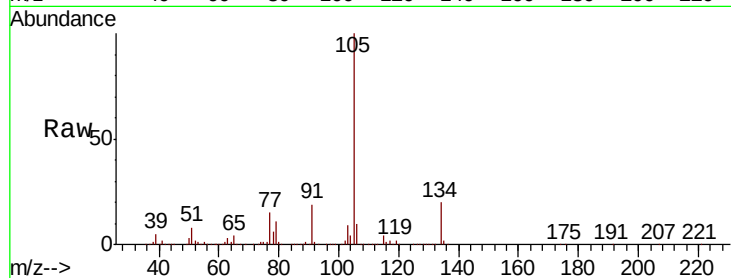
VSTDIC100

Tgt Ion:105 Resp: 1435009

Ion Ratio Lower Upper

105 100

134 20.3 9.2 27.4



#86

p-Isopropyltoluene

Concen: 100.781 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

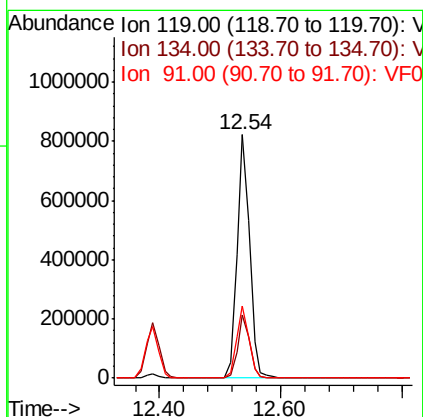
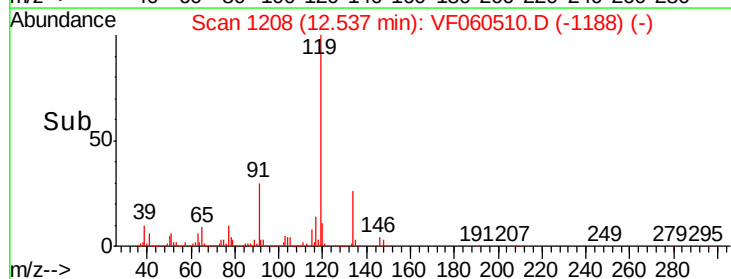
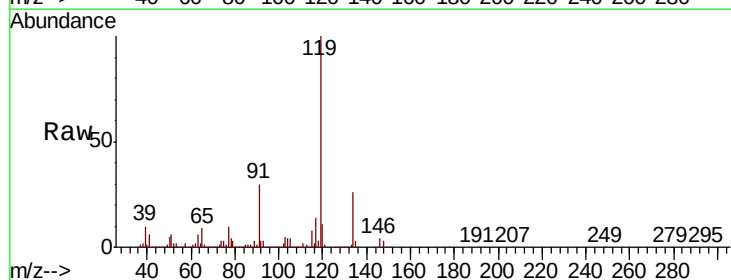
Tgt Ion:119 Resp: 1177600

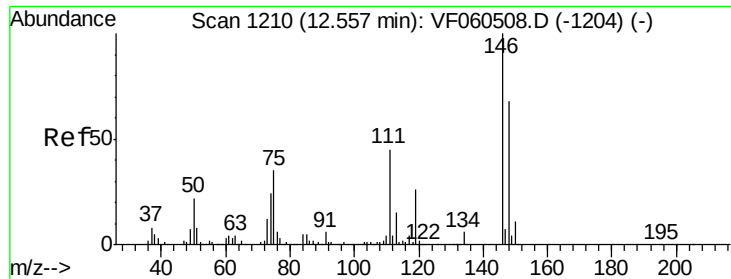
Ion Ratio Lower Upper

119 100

134 25.7 11.7 35.0

91 29.7 14.4 43.4

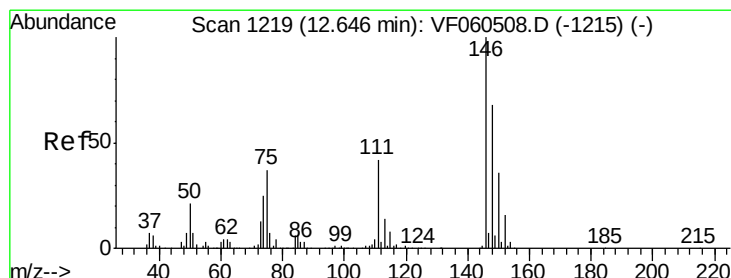
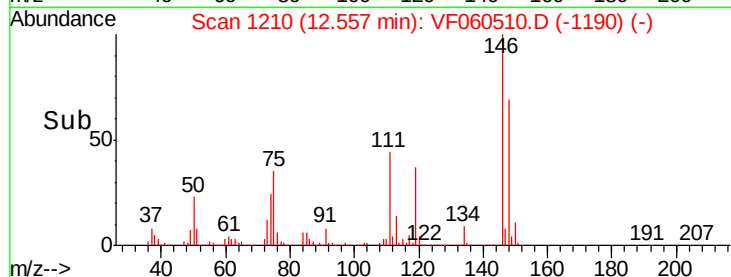
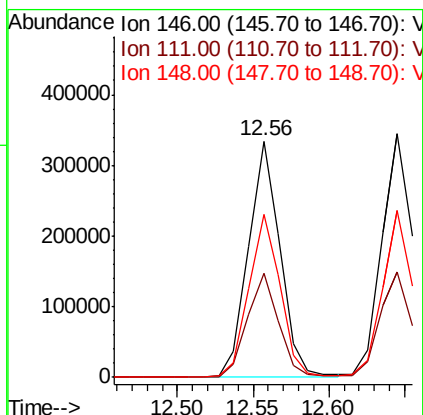
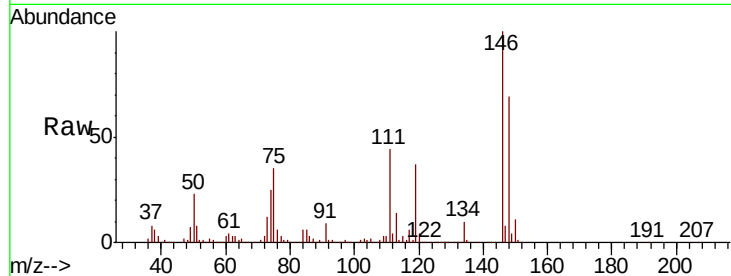




#87
 1,3-Dichlorobenzene
 Concen: 92.920 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

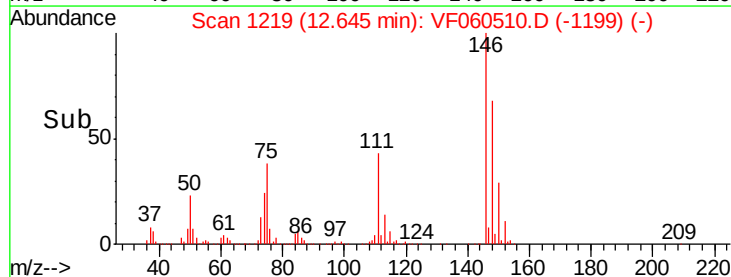
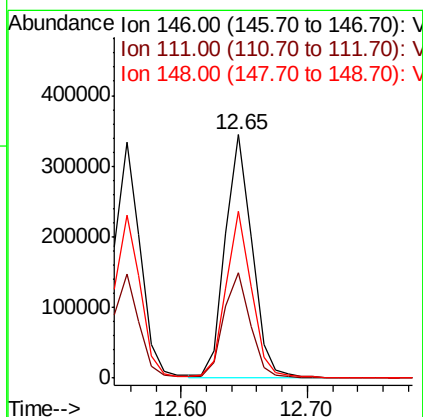
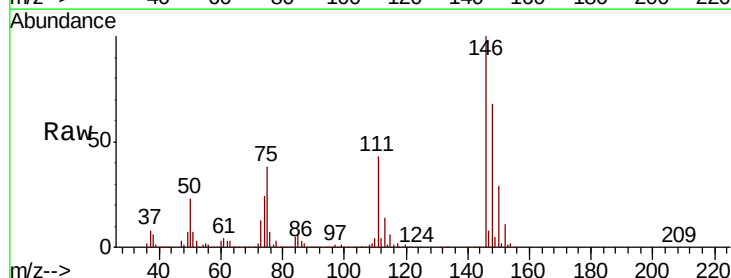
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

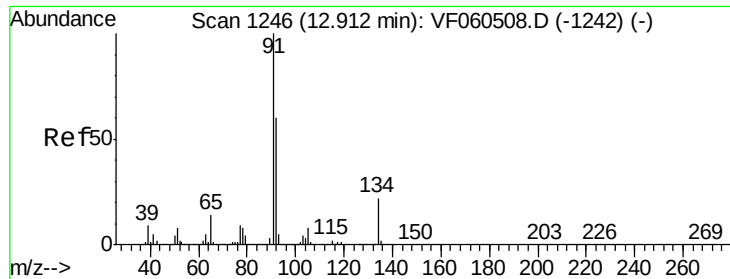
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.3	66.8
148	68.9	34.1	102.3



#88
 1,4-Dichlorobenzene
 Concen: 99.034 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.3
148	68.3	33.9	101.7

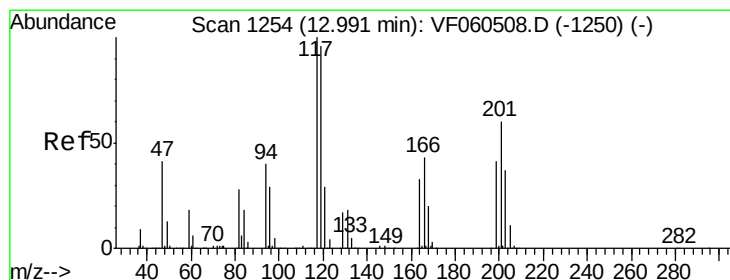
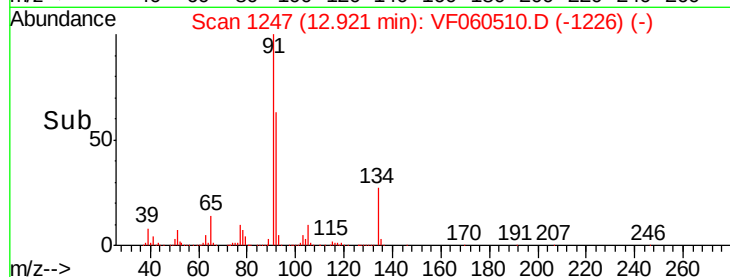
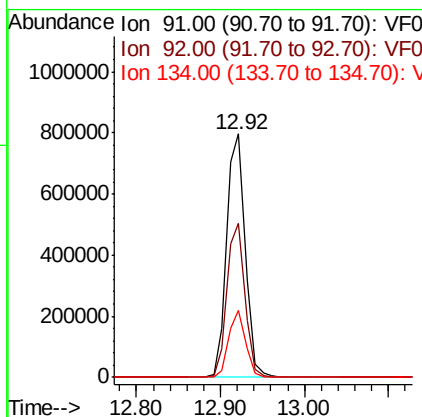
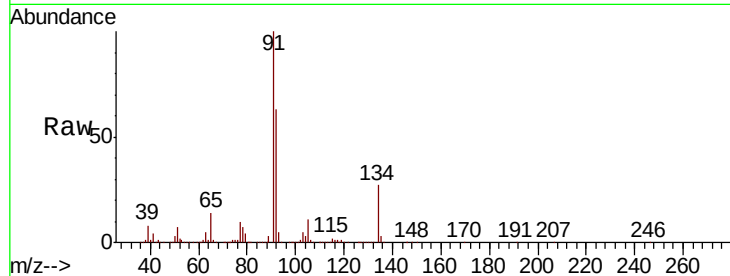




#89
n-Butylbenzene
Concen: 99.346 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

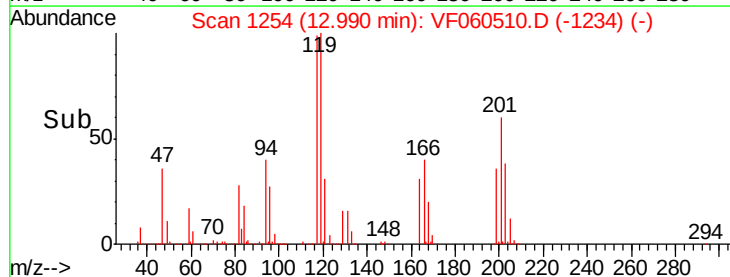
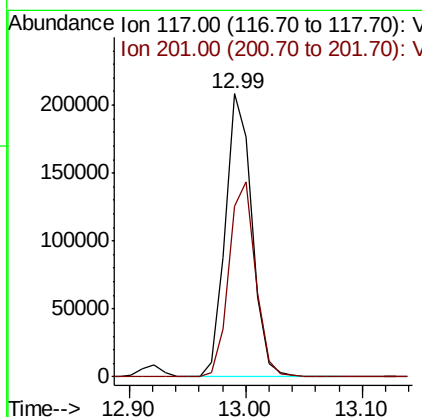
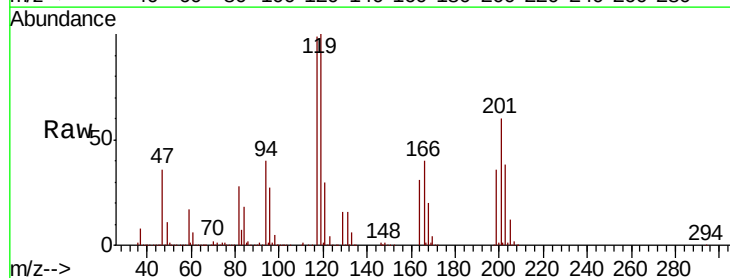
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

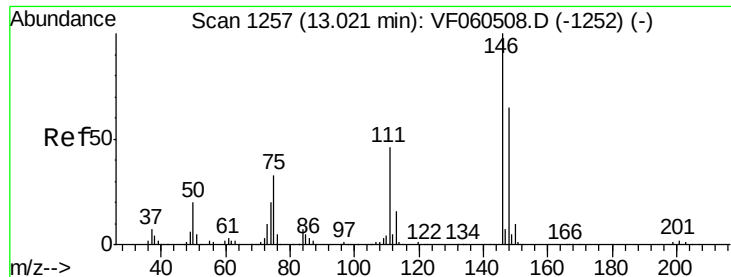
Tgt Ion: 91 Resp: 1214709
Ion Ratio Lower Upper
91 100
92 63.0 29.8 89.3
134 27.4 10.9 32.7



#90
Hexachloroethane
Concen: 118.057 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion: 117 Resp: 329860
Ion Ratio Lower Upper
117 100
201 60.3 30.1 90.5





#91

1,2-Dichlorobenzene

Concen: 95.136 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

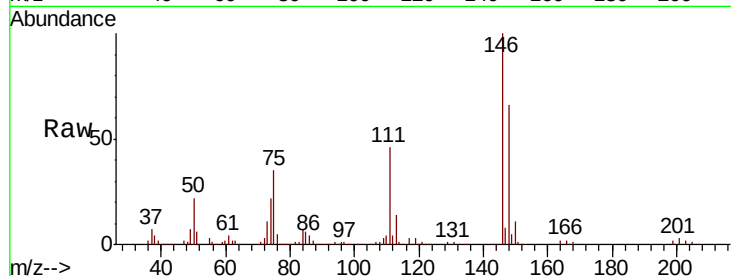
Tgt Ion:146 Resp: 482417

Ion Ratio Lower Upper

146 100

111 46.2 22.8 68.4

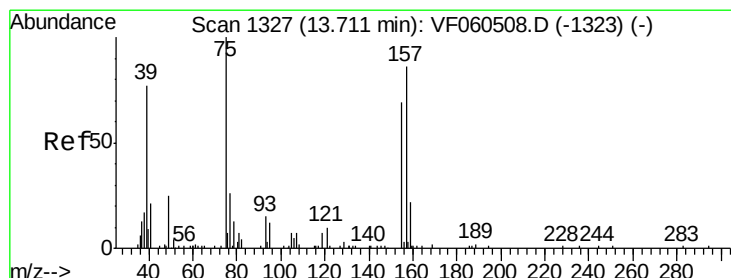
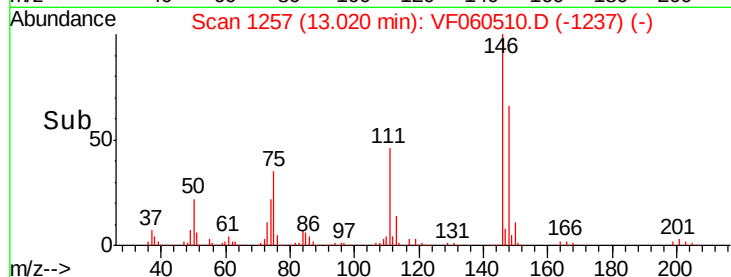
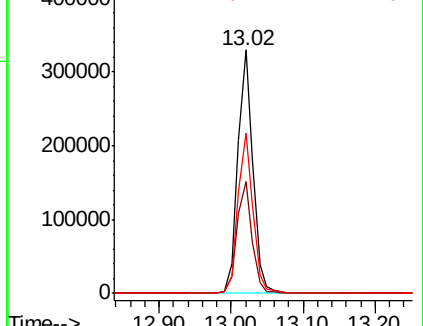
148 65.6 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 112.574 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

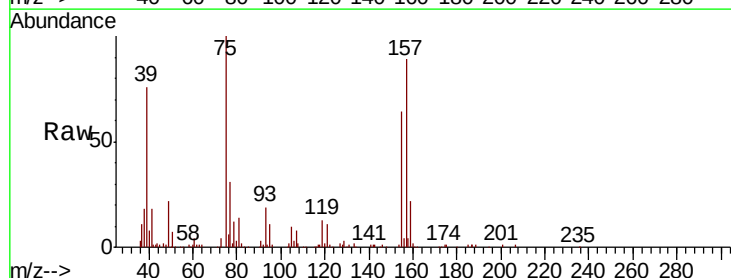
Tgt Ion: 75 Resp: 49977

Ion Ratio Lower Upper

75 100

155 68.2 34.7 104.1

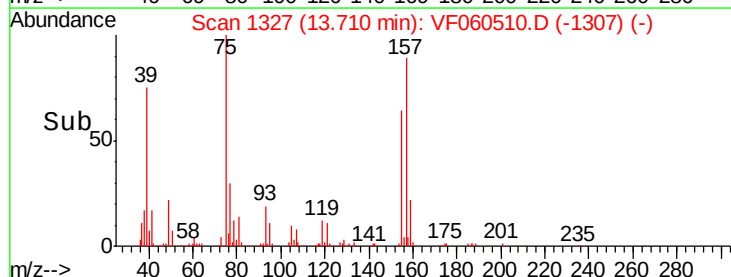
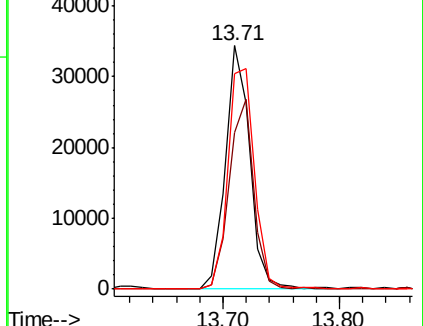
157 88.6 42.9 128.5

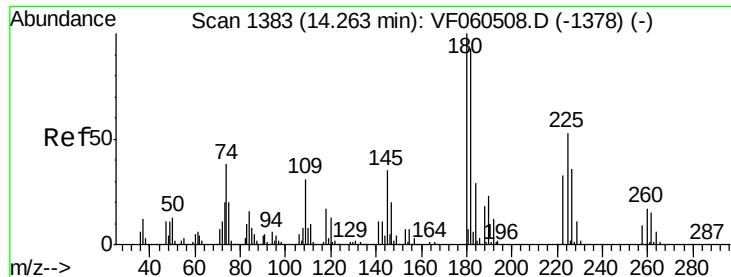


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

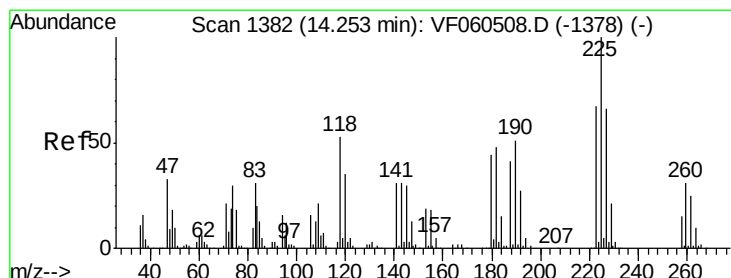
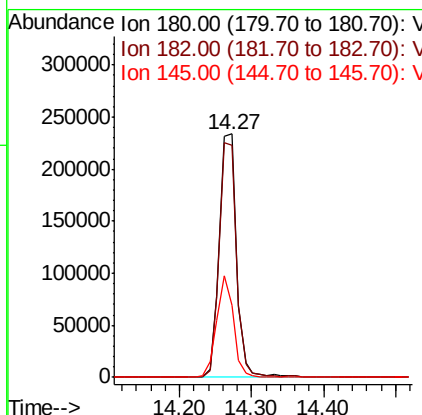
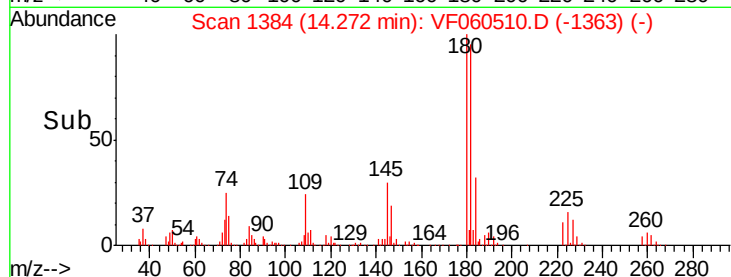
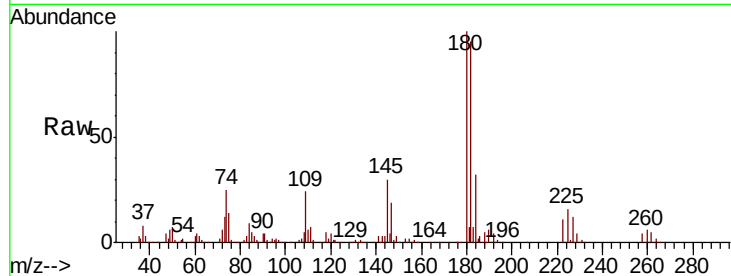




#93
 1,2,4-Trichlorobenzene
 Concen: 98.705 ug/l
 RT: 14.27 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

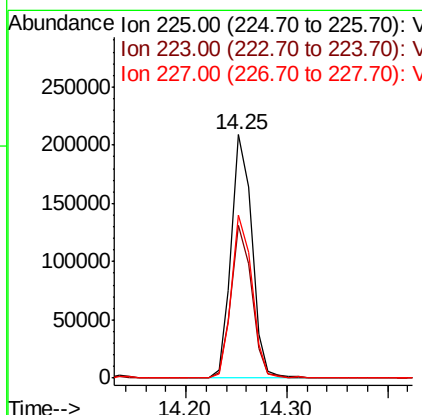
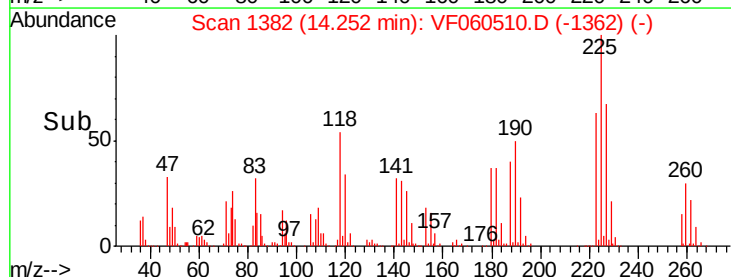
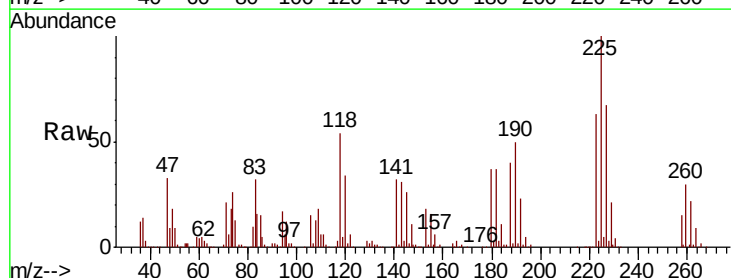
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

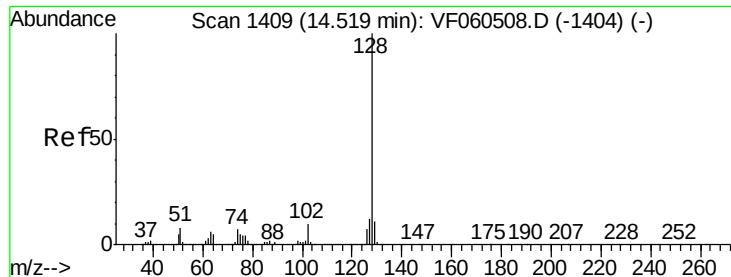
Tgt Ion:180 Resp: 386522
 Ion Ratio Lower Upper
 180 100
 182 95.4 46.7 140.0
 145 29.8 17.3 52.0



#94
 Hexachlorobutadiene
 Concen: 112.815 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion:225 Resp: 300349
 Ion Ratio Lower Upper
 225 100
 223 62.9 33.4 100.2
 227 66.7 32.9 98.6

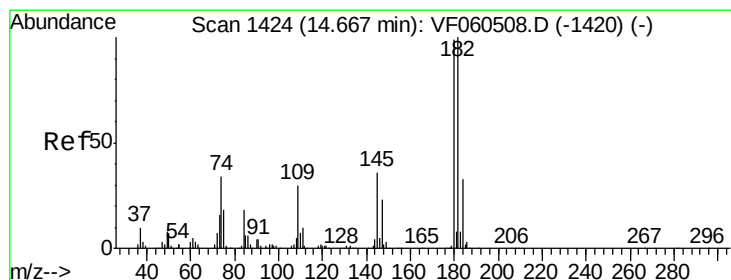
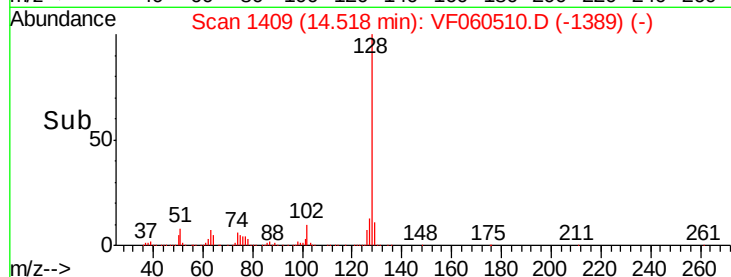
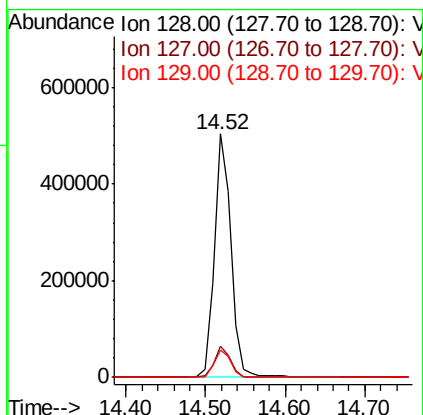
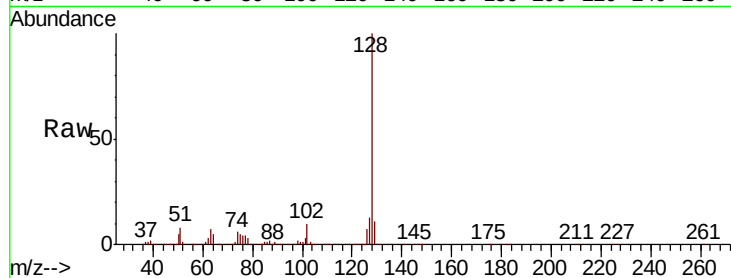




#95
Naphthalene
Concen: 110.605 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 744553
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 11.4 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 106.640 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion:180 Resp: 389056
Ion Ratio Lower Upper
180 100
182 96.8 50.7 152.1
145 33.1 18.1 54.4

