

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060514.D
 Acq On : 26 Oct 2018 11:01
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF102518

Quant Time: Oct 27 01:45:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	236315	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	378533	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	326397	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	183344	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	206987	44.07	ug/l	-0.01
Spiked Amount			Recovery	=	88.14%	
35) Dibromofluoromethane	4.28	113	192994	42.53	ug/l	-0.01
Spiked Amount			Recovery	=	85.06%	
50) Toluene-d8	7.70	98	453848	49.84	ug/l	-0.01
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.50	95	202354	39.90	ug/l	-0.01
Spiked Amount			Recovery	=	79.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	217461	37.405	ug/l	89
3) Chloromethane	1.13	50	137628	46.088	ug/l #	83
4) Vinyl Chloride	1.18	62	147127	42.687	ug/l	100
5) Bromomethane	1.36	94	129632	37.344	ug/l	93
6) Chloroethane	1.43	64	87513	40.961	ug/l	96
7) Trichlorofluoromethane	1.54	101	410252	37.186	ug/l	98
8) Diethyl Ether	1.69	74	47673	46.333	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	188379	40.311	ug/l	94
10) Methyl Iodide	1.96	142	163638	24.783	ug/l	91
11) Tert butyl alcohol	2.67	59	46871	213.939	ug/l #	83
12) 1,1-Dichloroethene	1.85	96	142520	42.361	ug/l	76
13) Acrolein	2.08	56	48198	230.717	ug/l	92
14) Allyl chloride	2.18	41	244152	45.337	ug/l	90
15) Acrylonitrile	3.06	53	91046	240.802	ug/l #	86
16) Acetone	2.33	43	257547	281.062	ug/l	98
17) Carbon Disulfide	1.83	76	138915	15.070	ug/l	97
18) Methyl Acetate	2.44	43	70252	45.546	ug/l	98
19) Methyl tert-butyl Ether	2.52	73	352463	41.853	ug/l	98
20) Methylene Chloride	2.27	84	82085	26.970	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	141721	44.158	ug/l	84
22) Diisopropyl ether	2.91	45	429753	44.992	ug/l	93
23) Vinyl Acetate	3.32	43	714638	236.533	ug/l	100
24) 1,1-Dichloroethane	2.99	63	315272	43.283	ug/l	99
25) 2-Butanone	4.49	43	244237	292.813	ug/l	97
26) 2,2-Dichloropropane	3.74	77	210811	43.759	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	160228	52.304	ug/l	88
28) Bromochloromethane	3.87	49	98538	45.976	ug/l #	89
29) Tetrahydrofuran	4.23	42	79510	274.401	ug/l	96
30) Chloroform	4.02	83	373533	44.465	ug/l	88
31) Cyclohexane	3.85	56	181245	50.393	ug/l	86
32) 1,1,1-Trichloroethane	4.26	97	329482	42.482	ug/l	94
36) 1,1-Dichloropropene	4.44	75	236715	42.253	ug/l	93
37) Ethyl Acetate	4.27	43	78929	51.337	ug/l #	95
38) Carbon Tetrachloride	4.16	117	367705	43.373	ug/l	97

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

39) Methylcyclohexane	5.62	83	223590	48.903	ug/l #	79
40) Benzene	4.80	78	437258	47.438	ug/l	96
41) Methacrylonitrile	4.91	41	46079	49.053	ug/l #	93
42) 1,2-Dichloroethane	5.11	62	234590	39.373	ug/l	96
43) Isopropyl Acetate	7.10	43	90443	46.843	ug/l #	96
44) Trichloroethene	5.66	130	147617	45.903	ug/l	96
45) 1,2-Dichloropropane	6.39	63	116897	50.083	ug/l	98
46) Dibromomethane	6.24	93	94900	43.328	ug/l	99
47) Bromodichloromethane	6.53	83	257840	41.961	ug/l	95
48) Methyl methacrylate	6.86	41	67565	46.422	ug/l	91
49) 1,4-Dioxane	6.85	88	12201	972.954	ug/l #	87
51) 4-Methyl-2-Pentanone	8.39	43	345875	229.316	ug/l	96
52) Toluene	7.77	92	280949	46.354	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	194230	42.688	ug/l	94
54) cis-1,3-Dichloropropene	7.44	75	217383	46.380	ug/l	90
55) 1,1,2-Trichloroethane	8.62	97	88475	46.110	ug/l	91
56) Ethyl methacrylate	8.75	69	100661	49.185	ug/l #	85
57) 1,3-Dichloropropane	8.99	76	143154	42.603	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	56143	198.385	ug/l	100
59) 2-Hexanone	9.62	43	247085	254.663	ug/l	97
60) Dibromochloromethane	8.85	129	158758	43.567	ug/l	97
61) 1,2-Dibromoethane	9.13	107	97990	42.954	ug/l	100
64) Tetrachloroethene	8.30	164	128311	46.633	ug/l	89
65) Chlorobenzene	9.93	112	327596	47.742	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.06	131	157945	44.466	ug/l	97
67) Ethyl Benzene	10.02	91	638614	45.574	ug/l	100
68) m/p-Xylenes	10.26	106	398630	90.616	ug/l	93
69) o-Xylene	10.82	106	228042	46.212	ug/l	92
70) Styrene	10.89	104	316964	46.009	ug/l	94
71) Bromoform	10.88	173	77899	41.216	ug/l #	100
73) Isopropylbenzene	11.22	105	771831	52.994	ug/l	100
74) N-amyl acetate	11.45	43	142795	55.209	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	114878	54.740	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	86752	47.347	ug/l	96
77) Bromobenzene	11.59	156	155856	51.327	ug/l	93
78) n-propylbenzene	11.68	91	861941	50.621	ug/l	99
79) 2-Chlorotoluene	11.81	91	514923	49.902	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	640487	50.074	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	58329	75.681	ug/l	84
82) 4-Chlorotoluene	11.99	91	518654	47.572	ug/l	98
83) tert-Butylbenzene	12.21	119	648710	50.209	ug/l	91
84) 1,2,4-Trimethylbenzene	12.28	105	630032	49.691	ug/l	93
85) sec-Butylbenzene	12.38	105	849777	49.007	ug/l	100
86) p-Isopropyltoluene	12.53	119	724573	49.185	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	312152	50.577	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	299152	50.038	ug/l	96
89) n-Butylbenzene	12.91	91	766728	48.929	ug/l	97
90) Hexachloroethane	12.99	117	191757	49.608	ug/l	86
91) 1,2-Dichlorobenzene	13.01	146	298864	50.489	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27318	51.064	ug/l	72

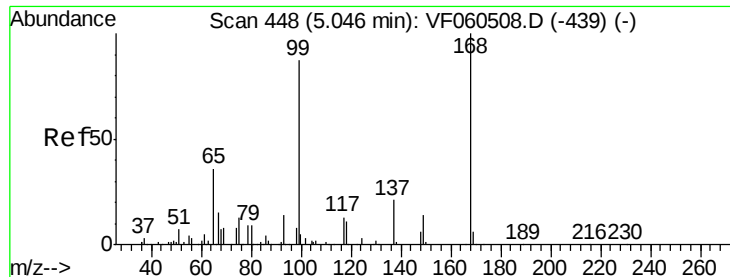
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	230647	47.854	ug/l	93
94) Hexachlorobutadiene	14.25	225	175768	48.759	ug/l	95
95) Naphthalene	14.52	128	413038	54.333	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	219330	49.473	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.02 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

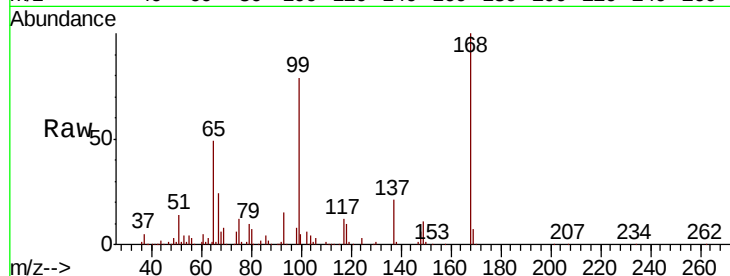
ICVVF102518

Tot Ion:168 Resp: 236315

Ion Ratio Lower Upper

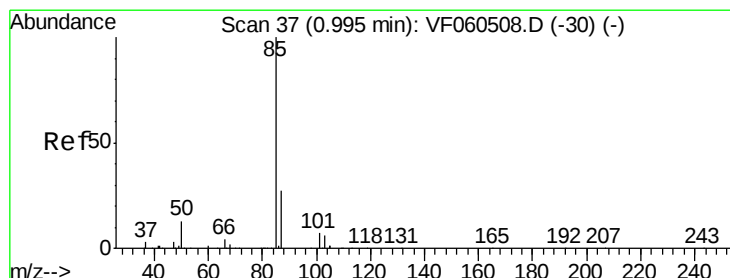
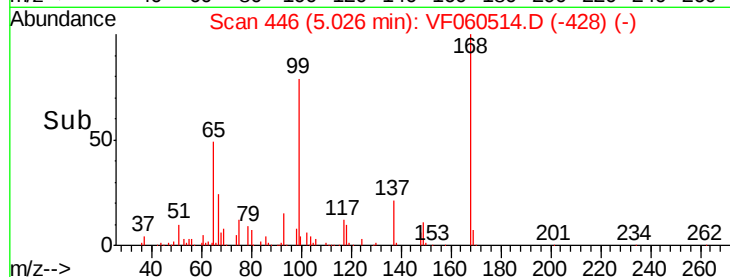
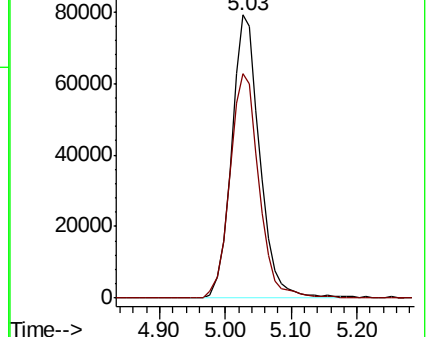
168 100

99 79.5 69.9 104.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 37.405 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060514.D

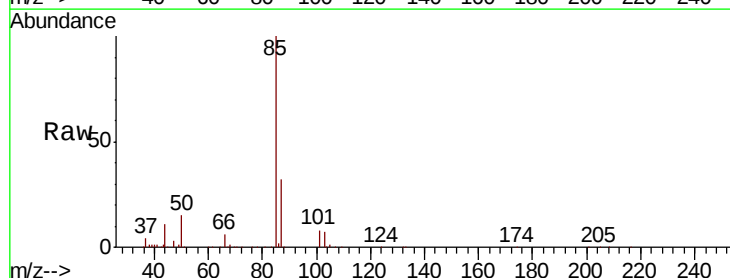
Acq: 26 Oct 2018 11:01

Tgt Ion: 85 Resp: 217461

Ion Ratio Lower Upper

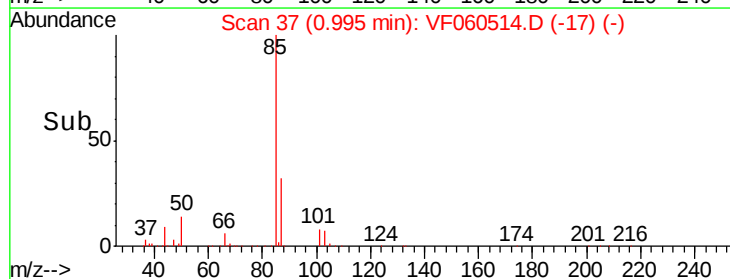
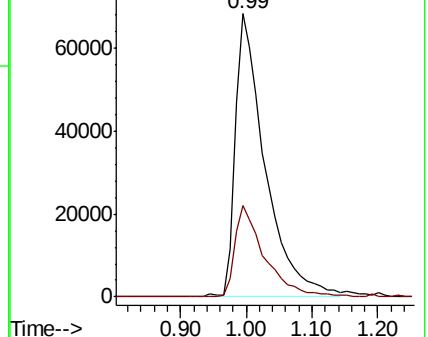
85 100

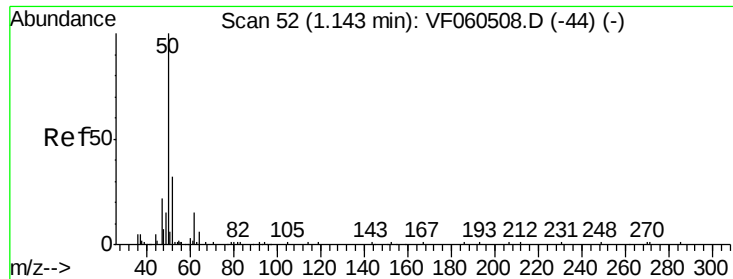
87 32.4 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 46.088 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

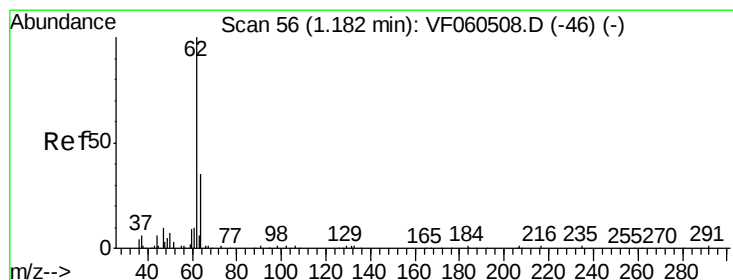
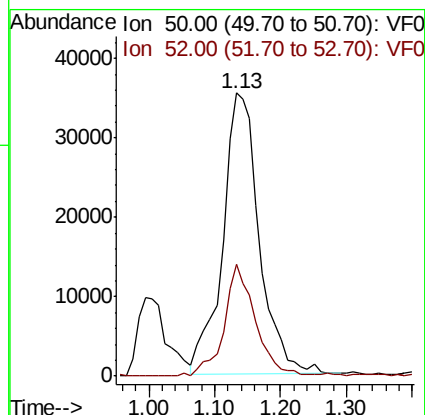
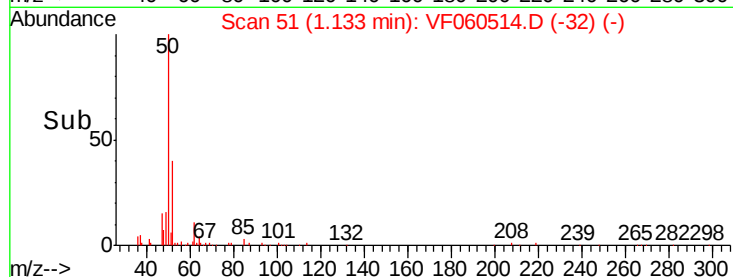
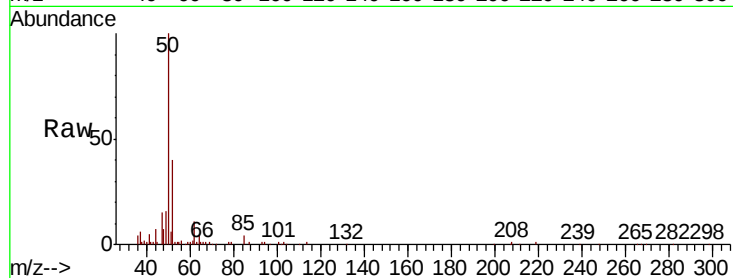
ICVVF102518

Tot Ion: 50 Resp: 137628

Ion Ratio Lower Upper

50 100

52 39.7 24.5 36.7#



#4

Vinyl Chloride

Concen: 42.687 ug/l

RT: 1.18 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF060514.D

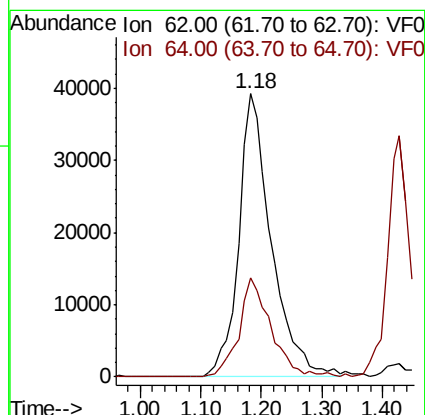
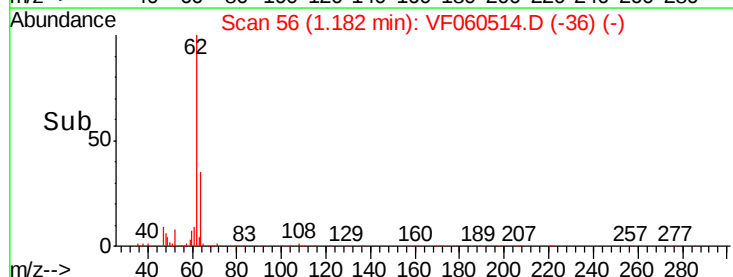
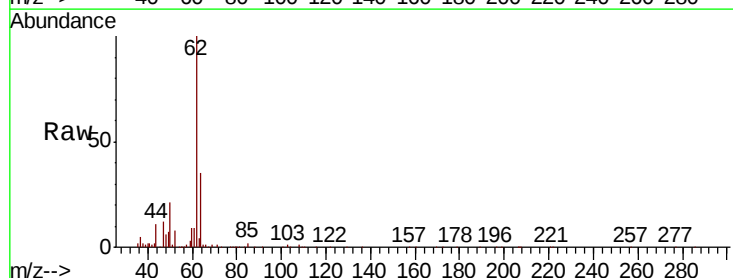
Acq: 26 Oct 2018 11:01

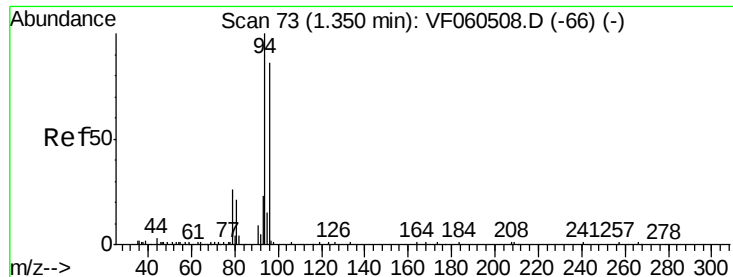
Tgt Ion: 62 Resp: 147127

Ion Ratio Lower Upper

62 100

64 35.0 27.8 41.8





#5

Bromomethane

Concen: 37.344 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

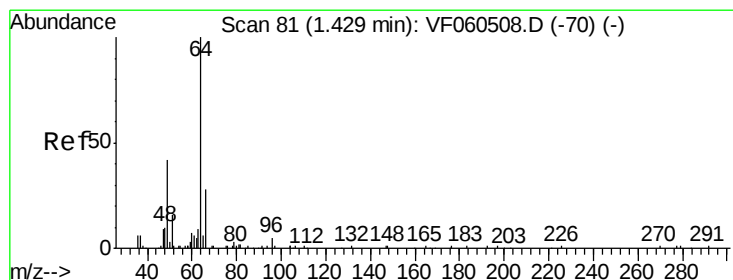
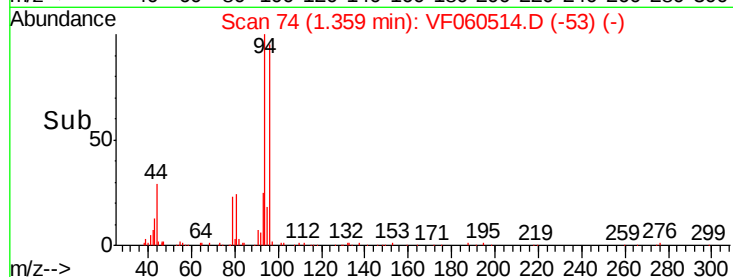
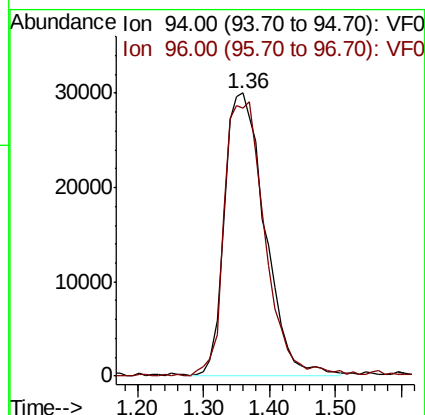
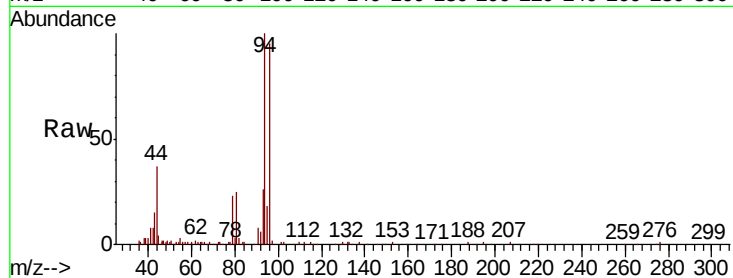
ICVVF102518

Tot Ion: 94 Resp: 129632

Ion Ratio Lower Upper

94 100

96 94.9 70.6 105.8



#6

Chloroethane

Concen: 40.961 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060514.D

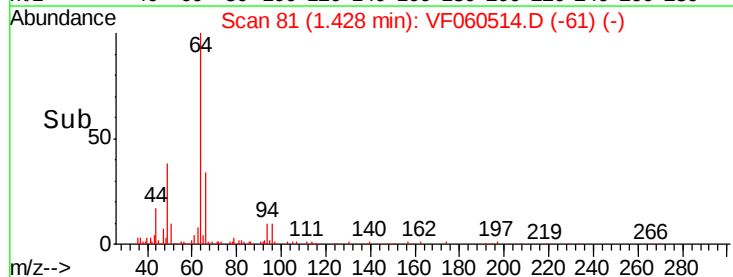
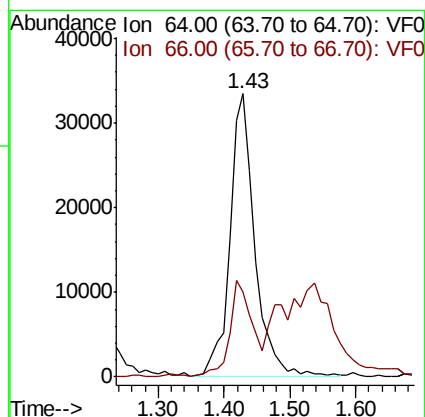
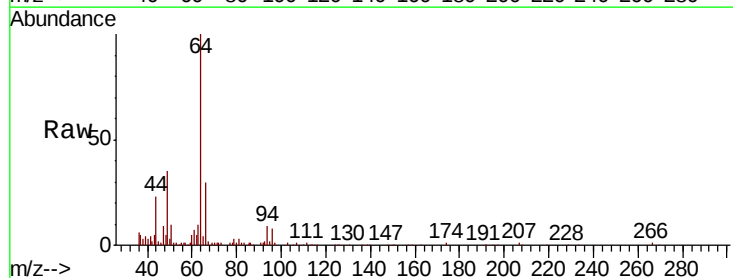
Acq: 26 Oct 2018 11:01

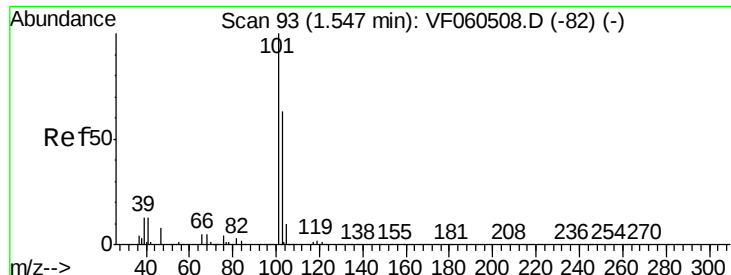
Tgt Ion: 64 Resp: 87513

Ion Ratio Lower Upper

64 100

66 30.2 22.4 33.6





#7

Trichlorofluoromethane

Concen: 37.186 ug/l

RT: 1.54 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

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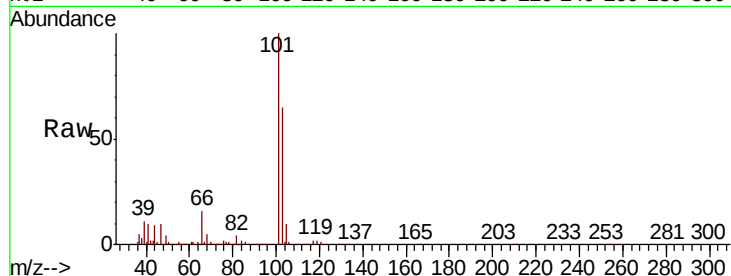
ICVVF102518

Tot Ion:101 Resp: 410252

Ion Ratio Lower Upper

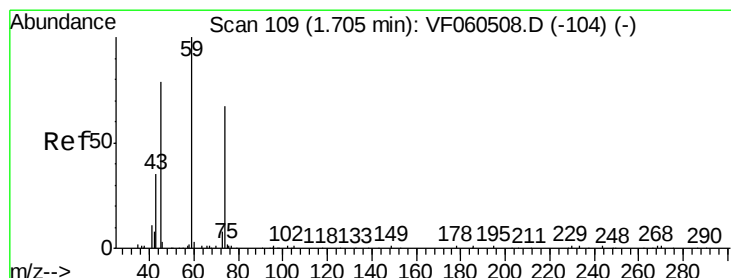
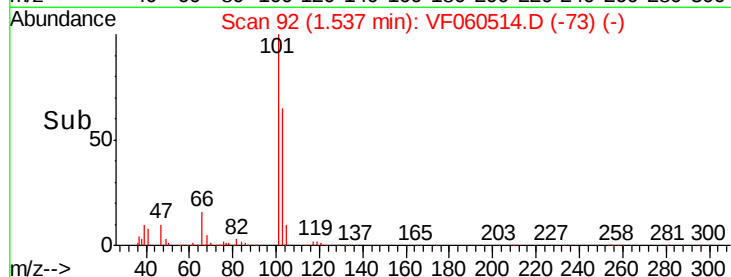
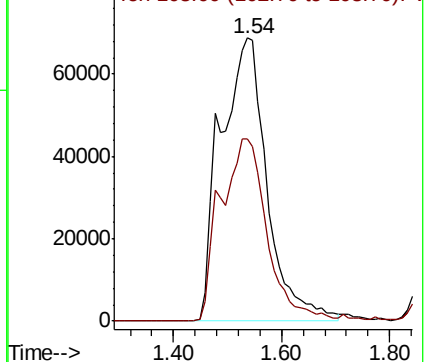
101 100

103 64.6 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 46.333 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060514.D

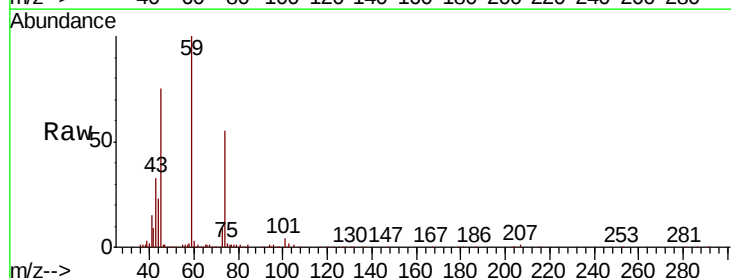
Acq: 26 Oct 2018 11:01

Tgt Ion: 74 Resp: 47673

Ion Ratio Lower Upper

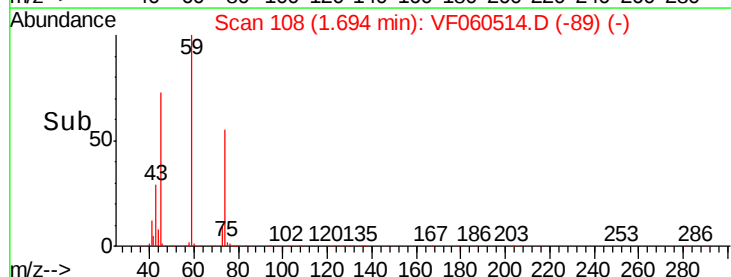
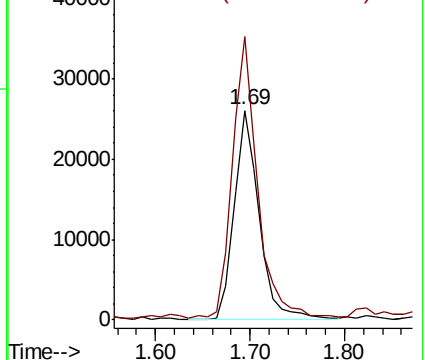
74 100

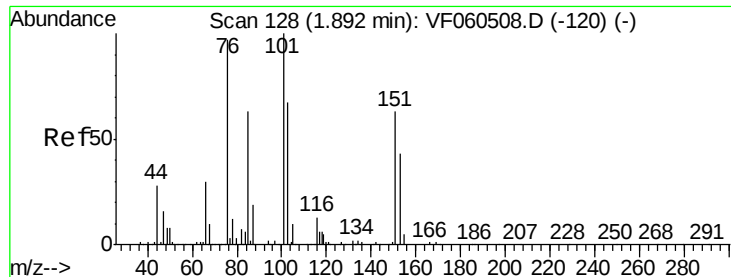
45 135.0 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.311 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

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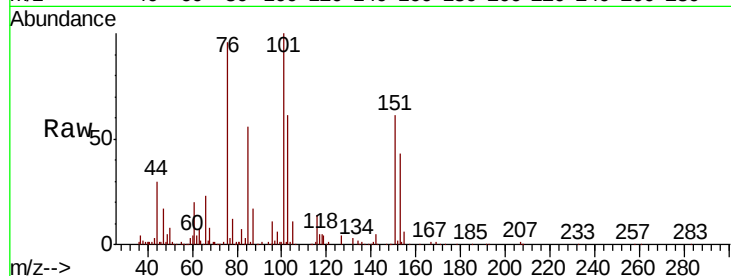
Tot Ion:101 Resp: 188379

Ion Ratio Lower Upper

101 100

85 55.6 49.9 74.9

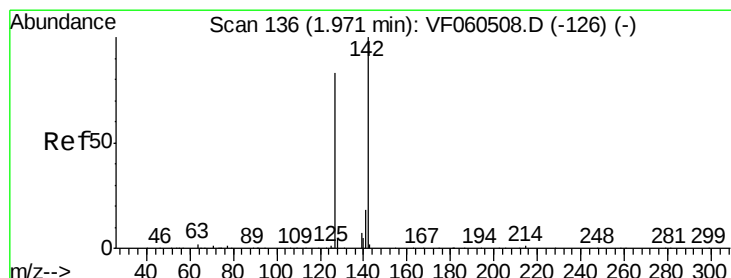
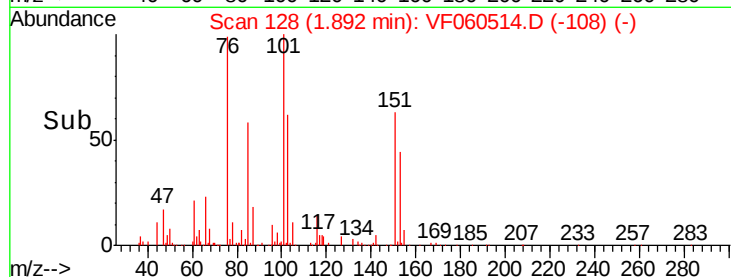
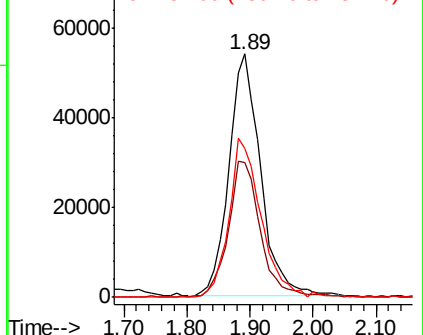
151 61.0 50.6 76.0



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: 24.783 ug/l

RT: 1.96 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

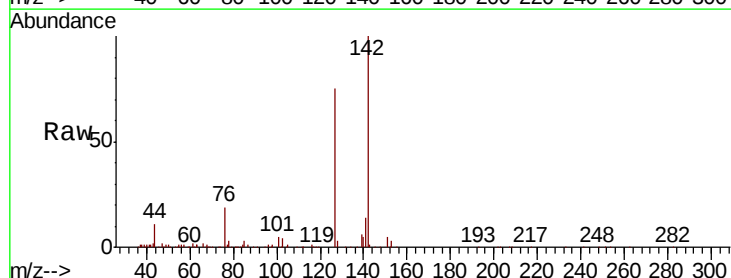
Tgt Ion:142 Resp: 163638

Ion Ratio Lower Upper

142 100

127 74.5 66.5 99.7

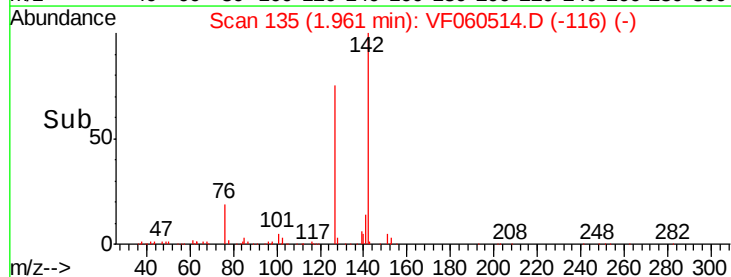
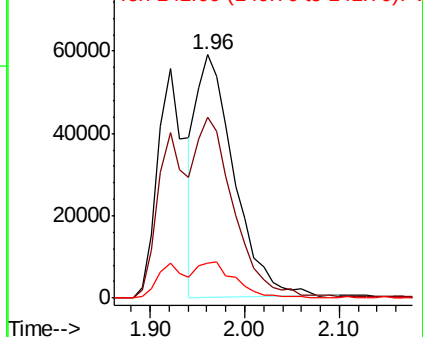
141 14.5 14.2 21.4

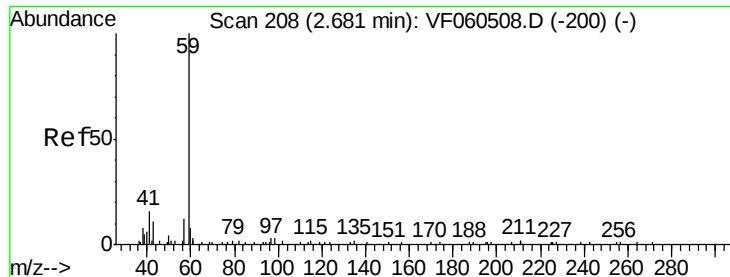


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



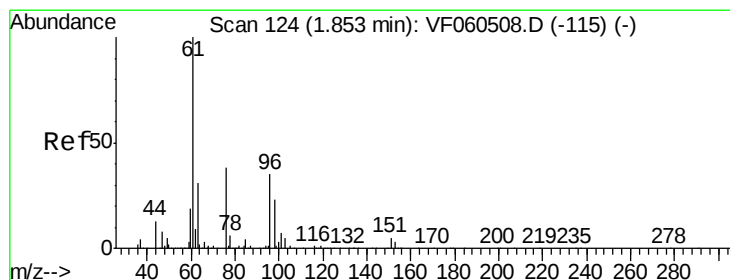
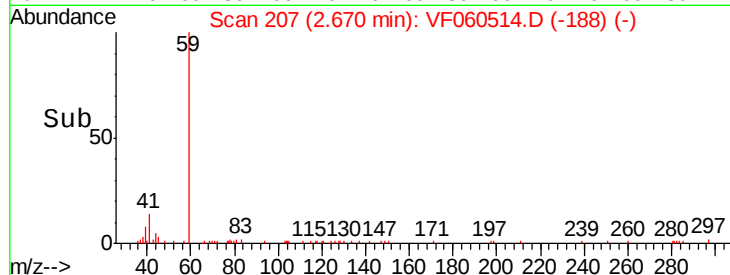
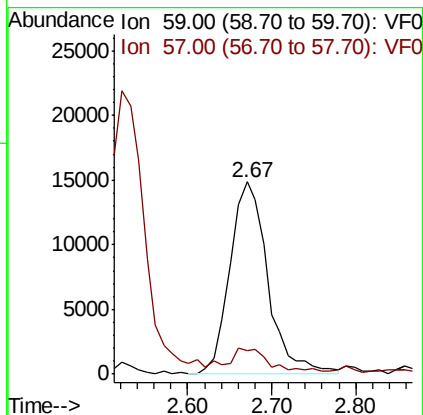
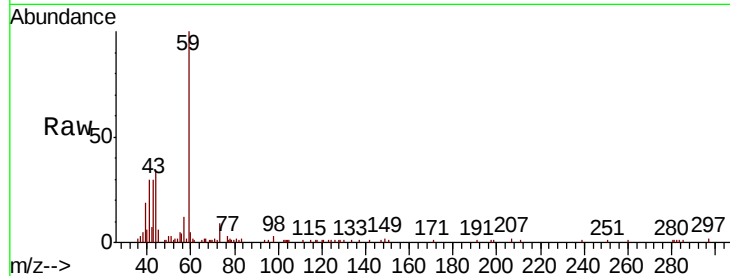


#11

Tert butyl alcohol
Concen: 213.939 ug/l
RT: 2.67 min Scan# 207
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Instrument :
MSVOA_F
ClientSampleId :
ICVVF102518

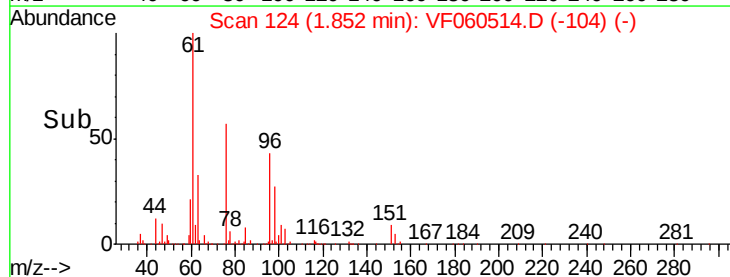
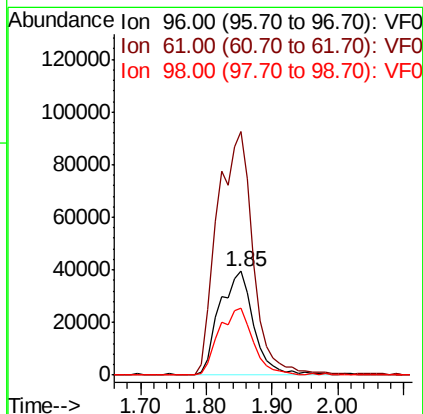
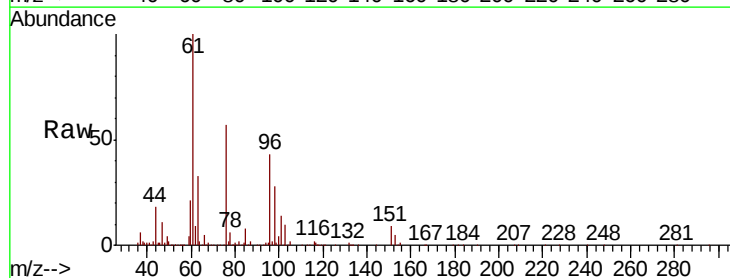
Tot Ion: 59 Resp: 46871
Ion Ratio Lower Upper
59 100
57 12.0 15.8 23.8#

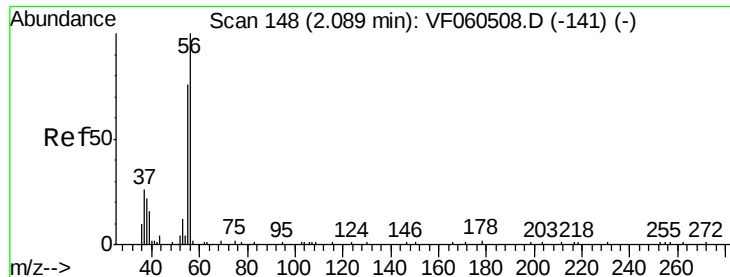


#12

1,1-Dichloroethene
Concen: 42.361 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.00 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Tgt Ion: 96 Resp: 142520
Ion Ratio Lower Upper
96 100
61 234.1 231.4 347.0
98 64.5 53.3 79.9





#13

Acrolein

Concen: 230.717 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

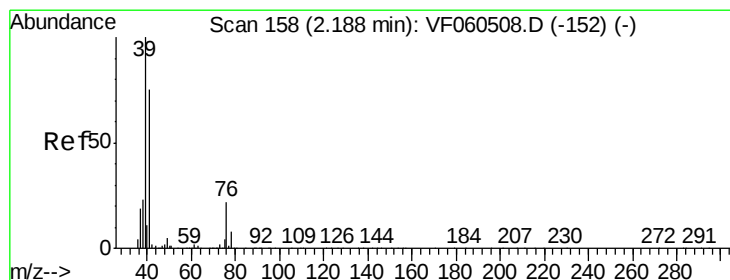
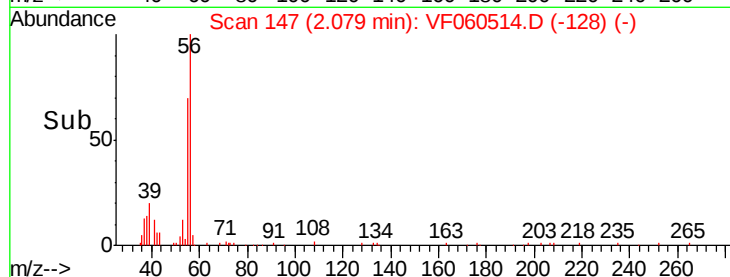
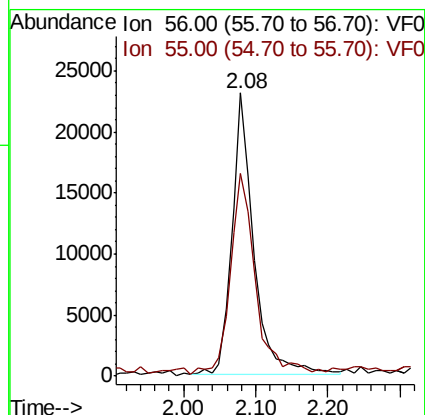
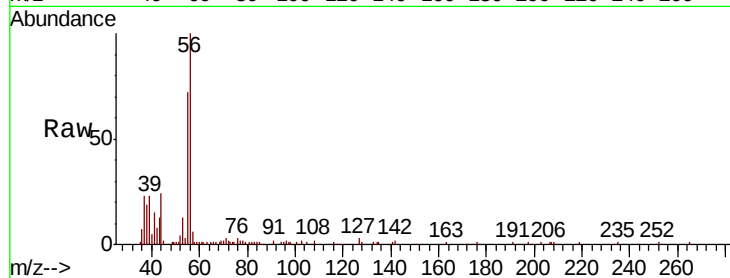
ICVVF102518

Tot Ion: 56 Resp: 48198

Ion Ratio Lower Upper

56 100

55 71.8 63.0 94.4



#14

Allyl chloride

Concen: 45.337 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

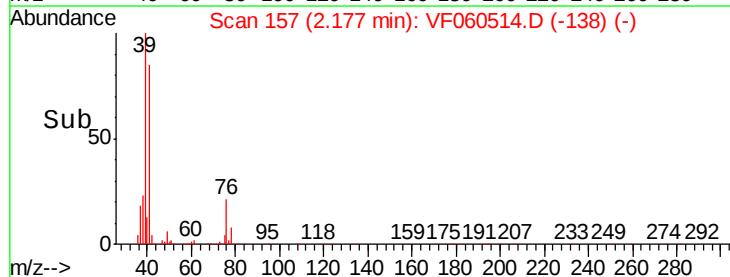
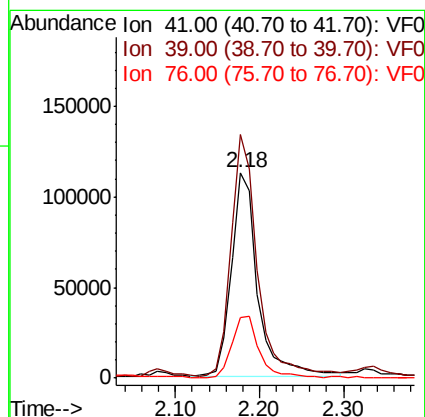
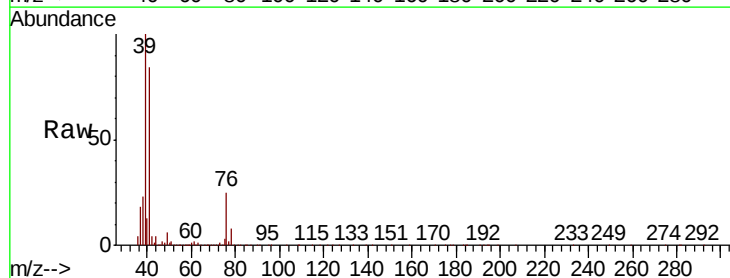
Tgt Ion: 41 Resp: 244152

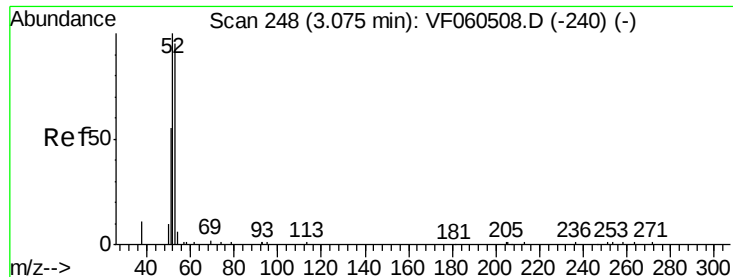
Ion Ratio Lower Upper

41 100

39 118.5 106.0 159.0

76 29.2 24.1 36.1





#15

Acrylonitrile

Concen: 240.802 ug/l

RT: 3.06 min Scan# 247

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

ICVVF102518

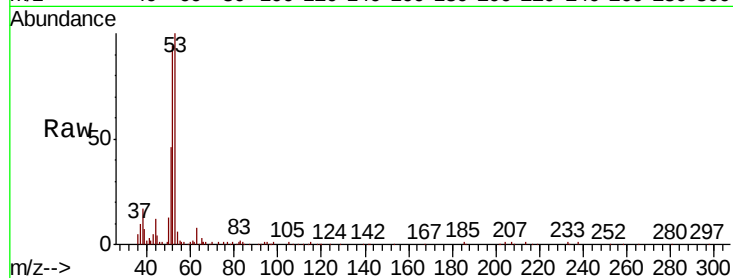
Tot Ion: 53 Resp: 91046

Ion Ratio Lower Upper

53 100

52 94.2 84.0 126.0

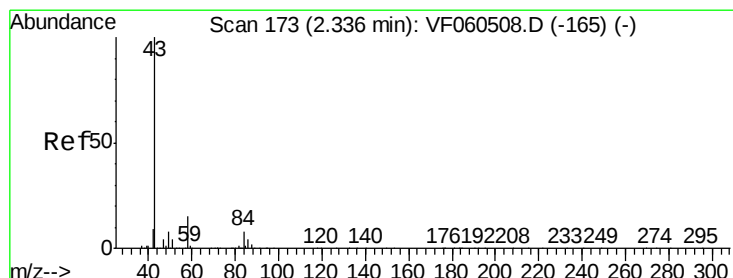
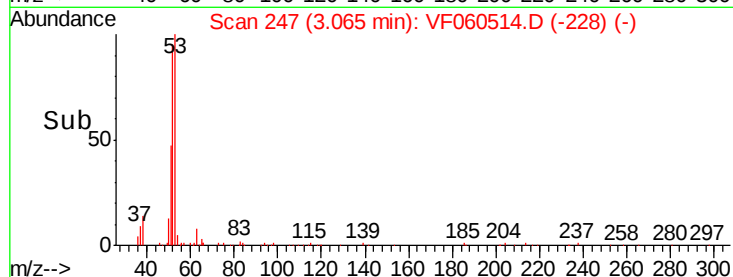
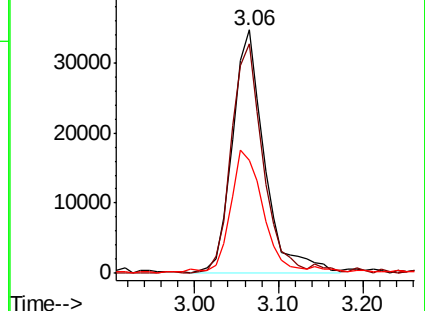
51 46.4 48.6 73.0#



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: 281.062 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060514.D

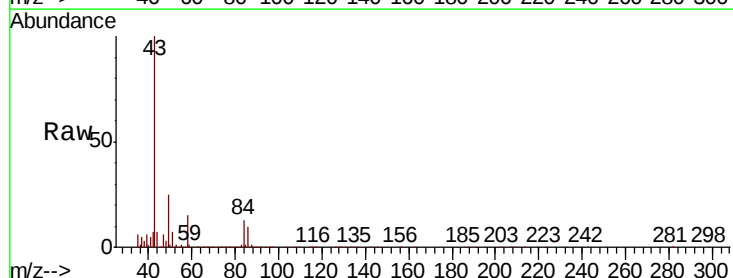
Acq: 26 Oct 2018 11:01

Tgt Ion: 43 Resp: 257547

Ion Ratio Lower Upper

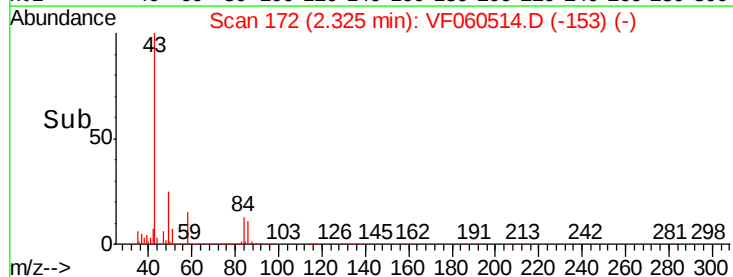
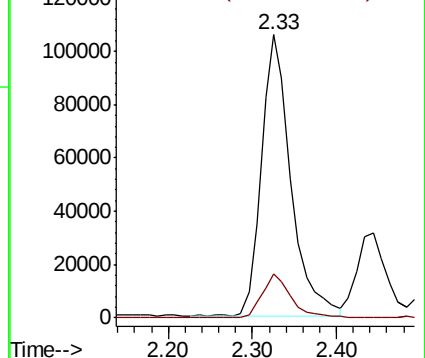
43 100

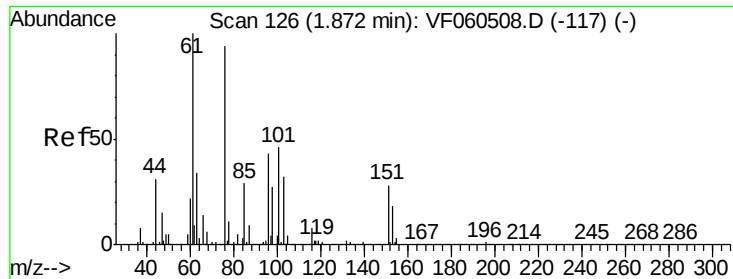
58 15.3 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

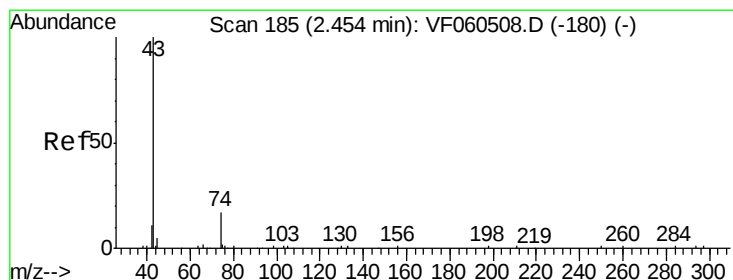
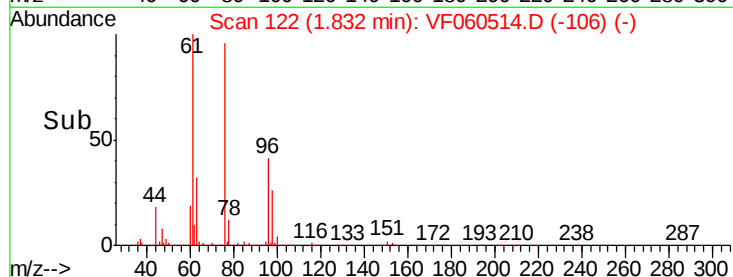
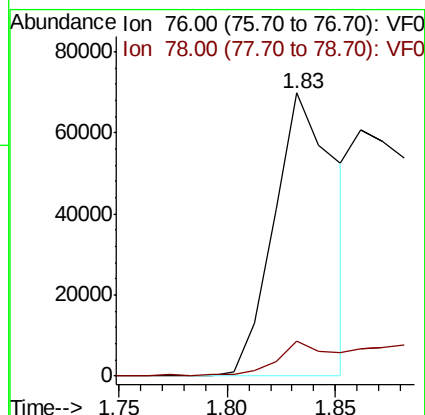
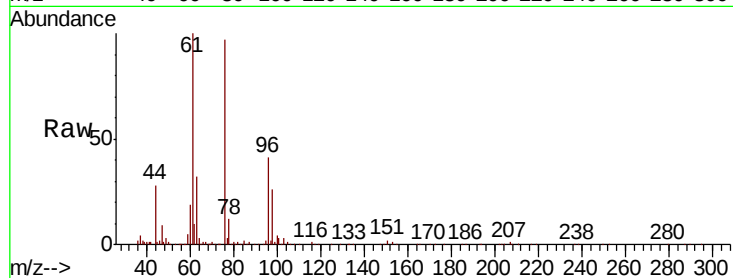




#17
Carbon Disulfide
Concen: 15.070 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.04 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

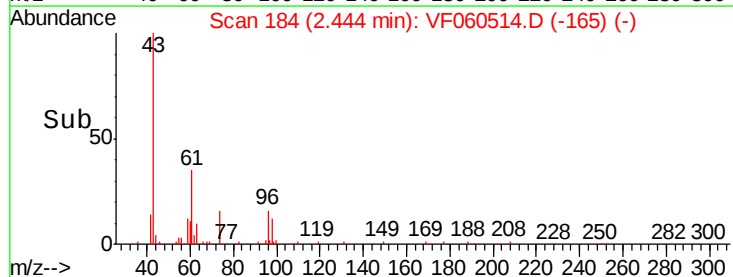
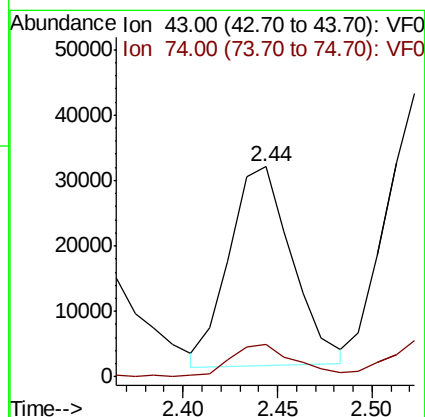
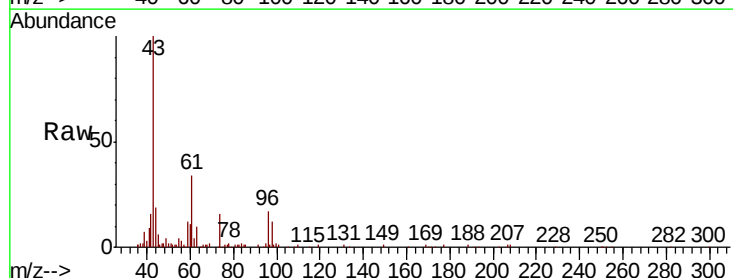
Instrument :
MSVOA_F
ClientSampleId :
ICVVF102518

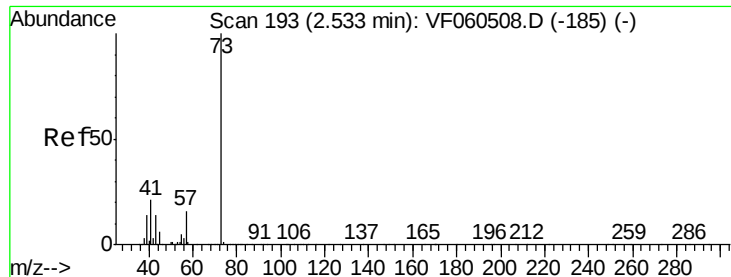
Tot Ion: 76 Resp: 138915
Ion Ratio Lower Upper
76 100
78 12.6 9.2 13.8



#18
Methyl Acetate
Concen: 45.546 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Tgt Ion: 43 Resp: 70252
Ion Ratio Lower Upper
43 100
74 15.7 12.1 18.1



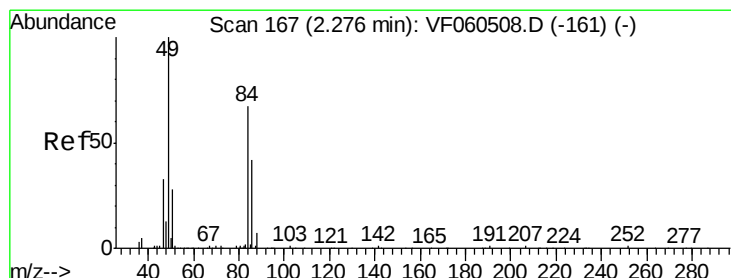
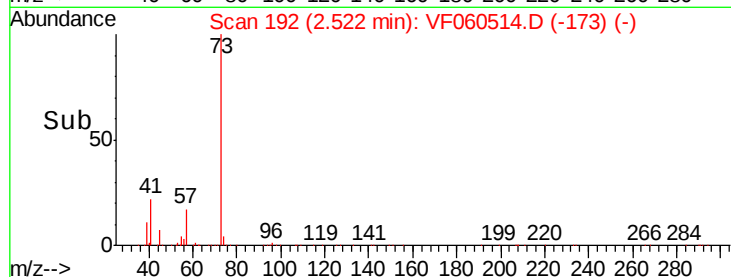
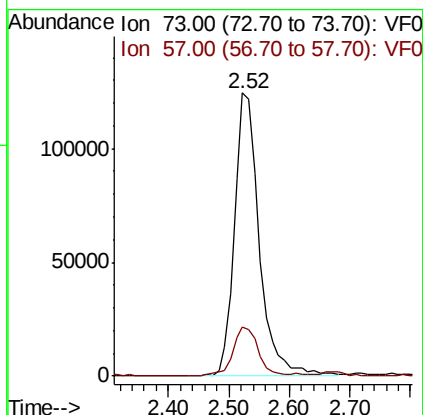
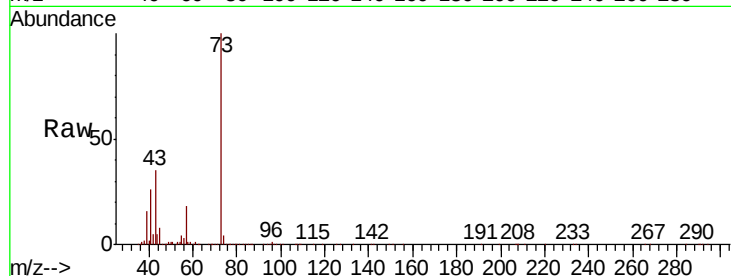


#19

Methyl tert-butyl Ether
 Concen: 41.853 ug/l
 RT: 2.52 min Scan# 192
 Delta R.T. -0.01 min
 Lab File: VF060514.D
 Acq: 26 Oct 2018 11:01

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF102518

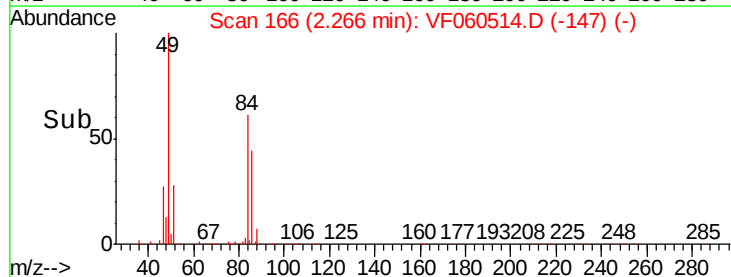
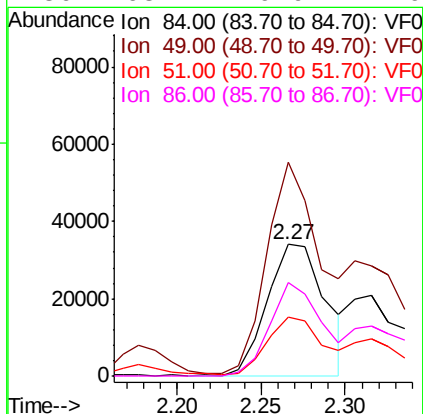
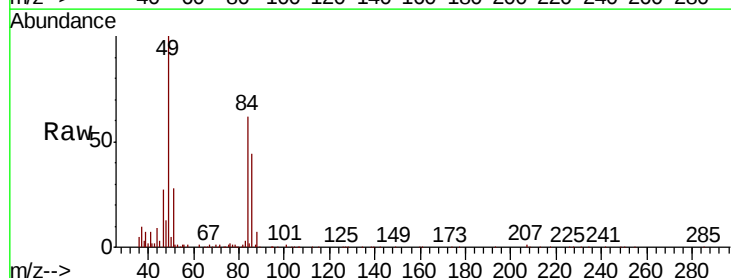
Tot Ion: 73 Resp: 352463
 Ion Ratio Lower Upper
 73 100
 57 17.6 13.3 19.9

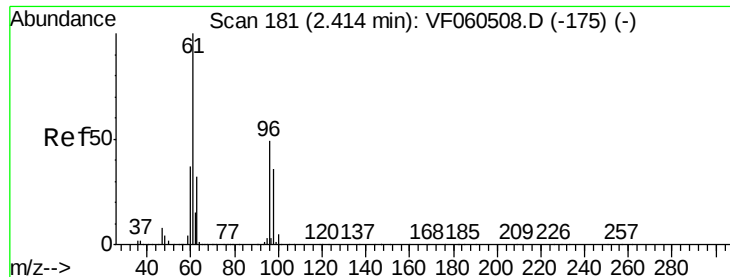


#20

Methylene Chloride
 Concen: 26.970 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060514.D
 Acq: 26 Oct 2018 11:01

Tgt Ion: 84 Resp: 82085
 Ion Ratio Lower Upper
 84 100
 49 157.6 123.1 184.7
 51 43.9 35.3 52.9
 86 68.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 44.158 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

ICVVF102518

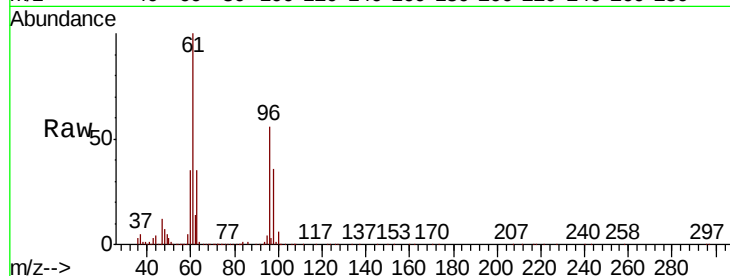
Tot Ion: 96 Resp: 141721

Ion Ratio Lower Upper

96 100

61 177.2 162.5 243.7

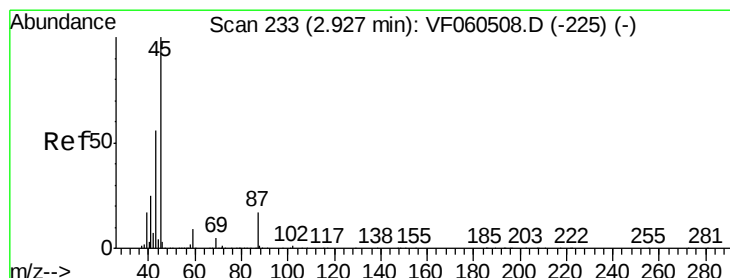
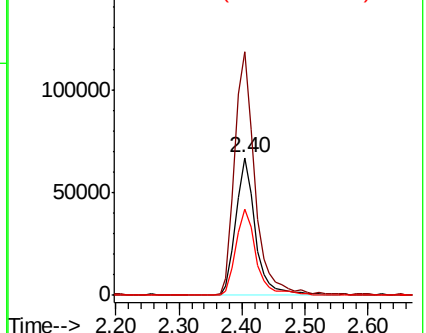
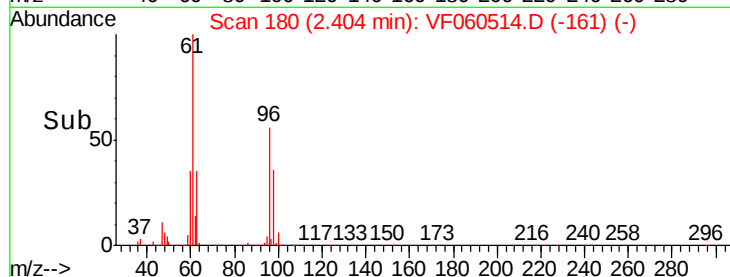
98 63.0 58.5 87.7



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 44.992 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.02 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Tgt Ion: 45 Resp: 429753

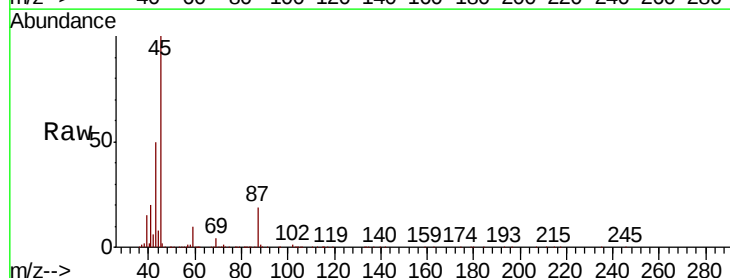
Ion Ratio Lower Upper

45 100

43 50.2 45.2 67.8

87 19.0 13.4 20.2

59 9.6 7.0 10.6

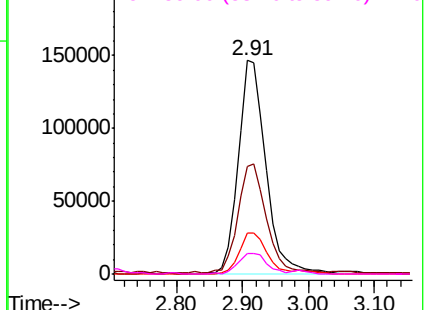
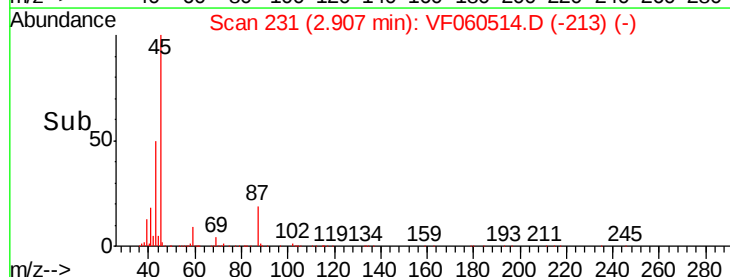


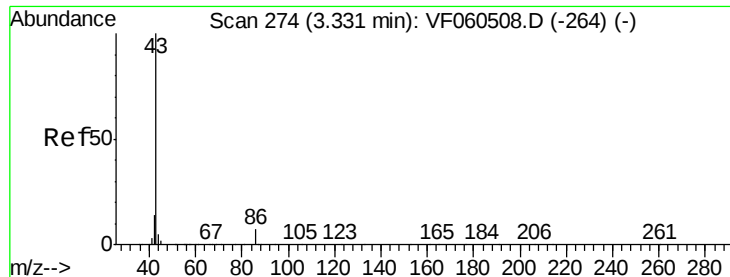
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 236.533 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

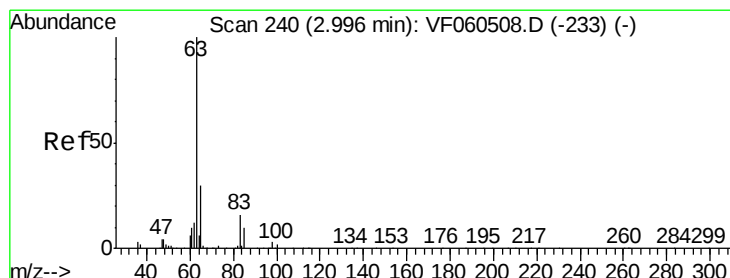
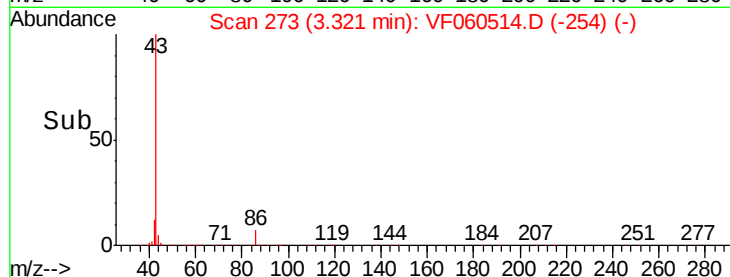
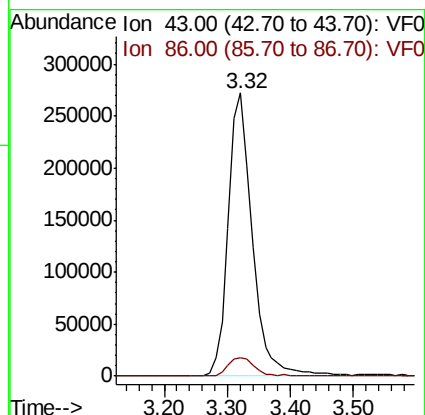
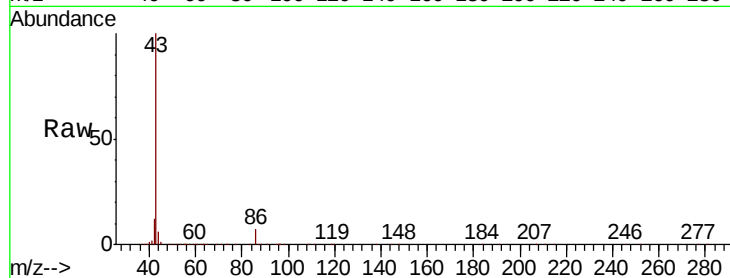
ICVVF102518

Tot Ion: 43 Resp: 714638

Ion Ratio Lower Upper

43 100

86 6.7 5.3 7.9



#24

1,1-Dichloroethane

Concen: 43.283 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

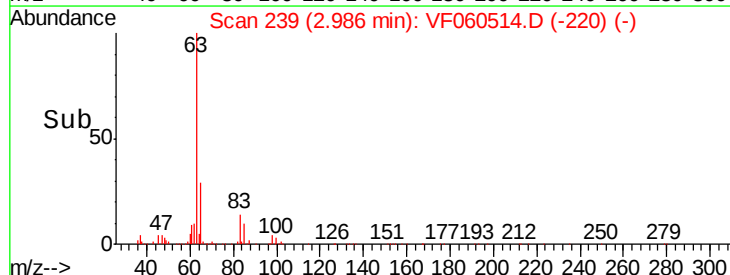
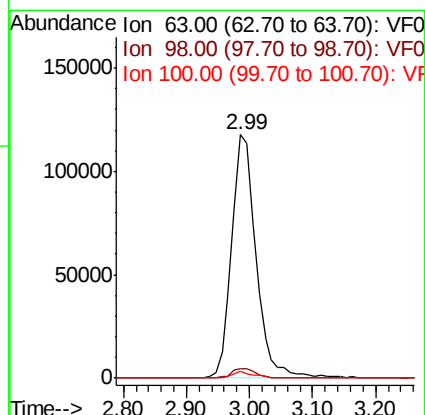
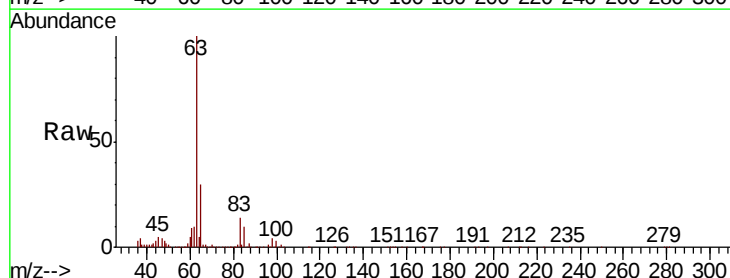
Tgt Ion: 63 Resp: 315272

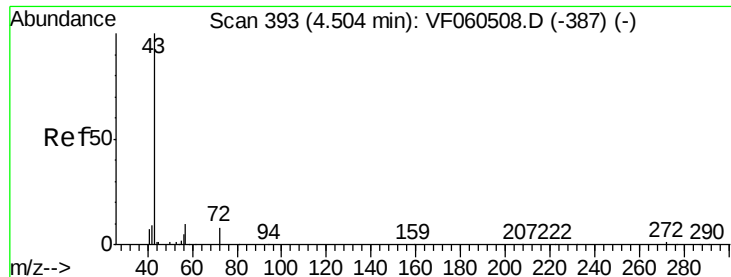
Ion Ratio Lower Upper

63 100

98 3.6 1.7 5.0

100 2.6 1.1 3.3





#25

2-Butanone

Concen: 292.813 ug/l

RT: 4.49 min Scan# 392

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

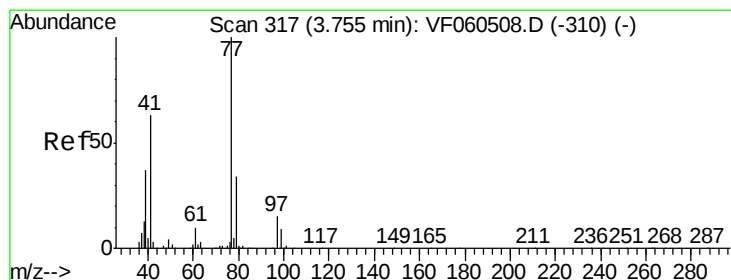
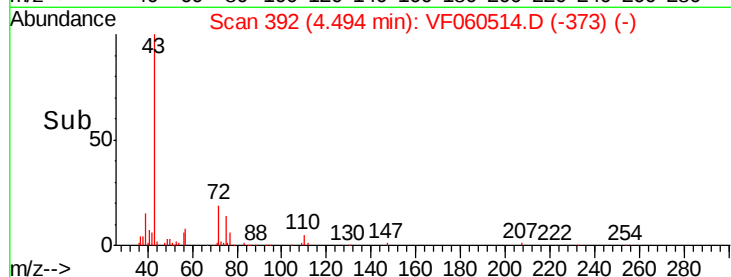
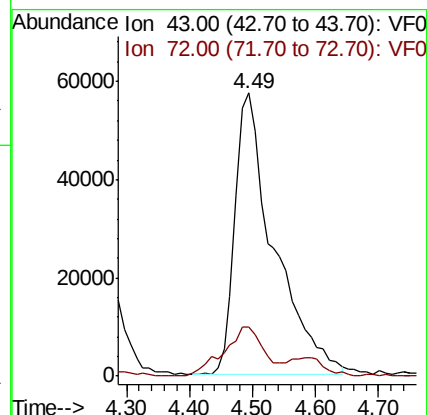
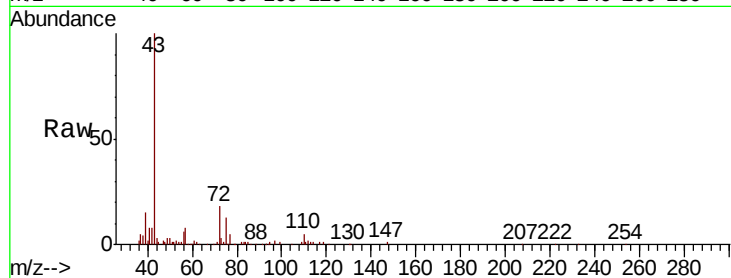
ICVVF102518

Tot Ion: 43 Resp: 244237

Ion Ratio Lower Upper

43 100

72 17.6 13.0 19.6



#26

2,2-Dichloropropane

Concen: 43.759 ug/l

RT: 3.74 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060514.D

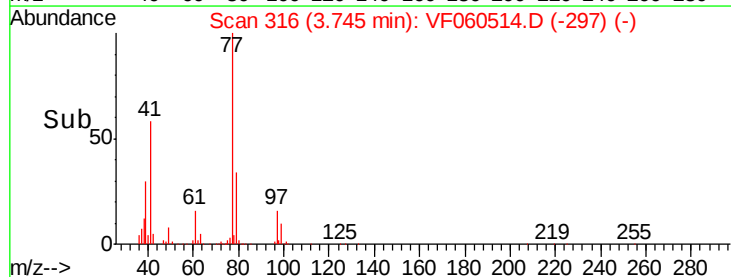
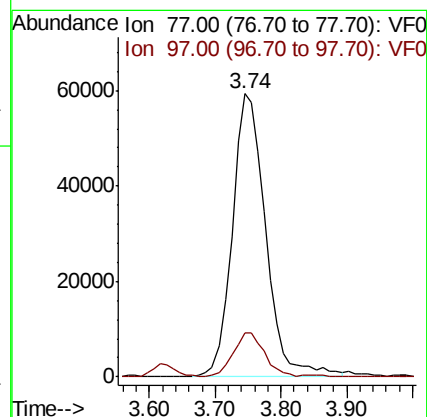
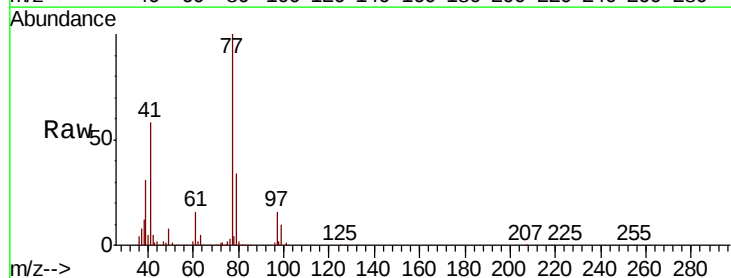
Acq: 26 Oct 2018 11:01

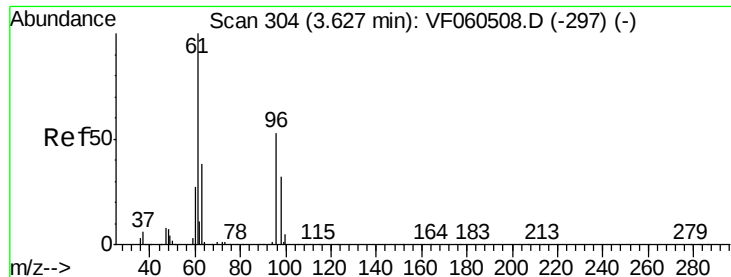
Tgt Ion: 77 Resp: 210811

Ion Ratio Lower Upper

77 100

97 15.6 7.9 23.7



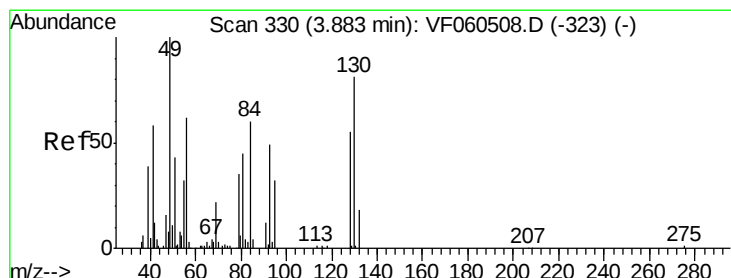
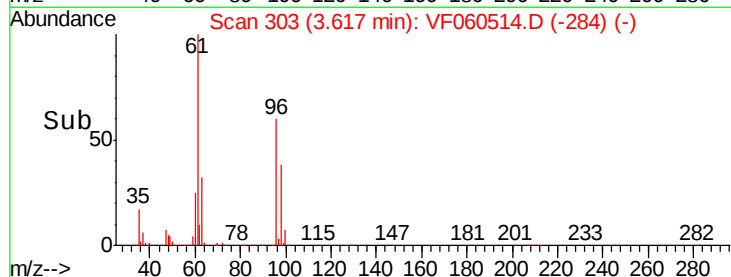
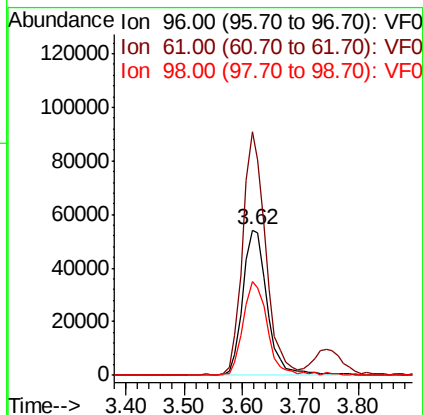
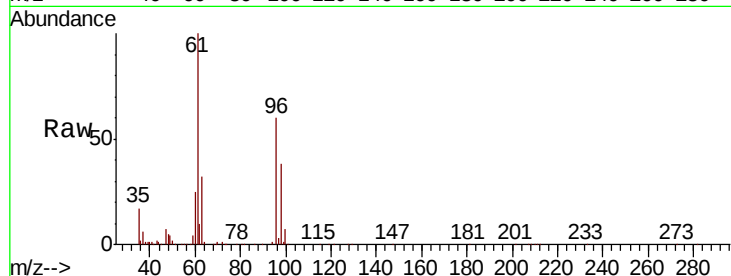


#27

cis-1,2-Dichloroethene
Concen: 52.304 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Instrument :
MSVOA_F
ClientSampleId :
ICVVF102518

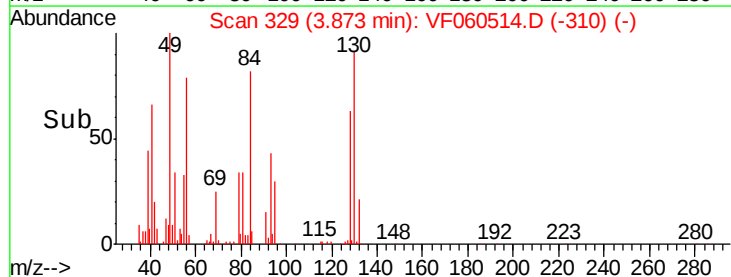
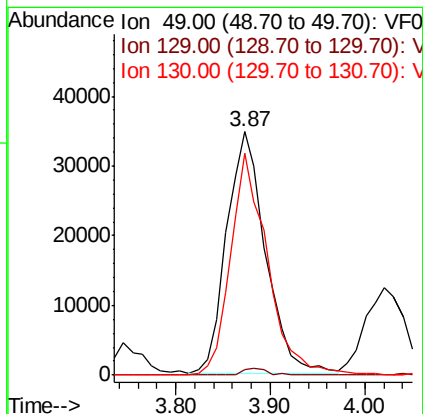
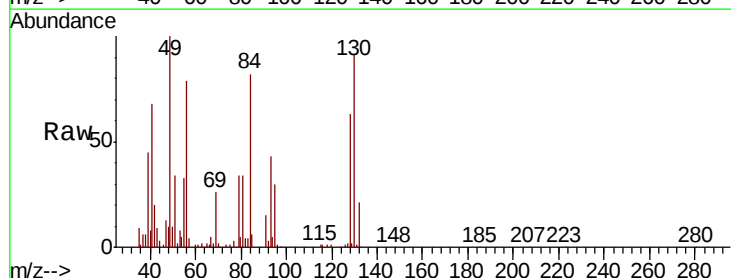
Tot Ion	Ratio	Lower	Upper
96	100		
61	167.4	0.0	377.0
98	64.2	0.0	122.4

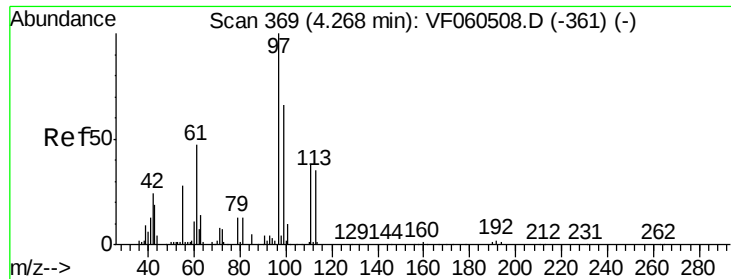


#28

Bromochloromethane
Concen: 45.976 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	2.0#
130	91.3	65.0	97.4

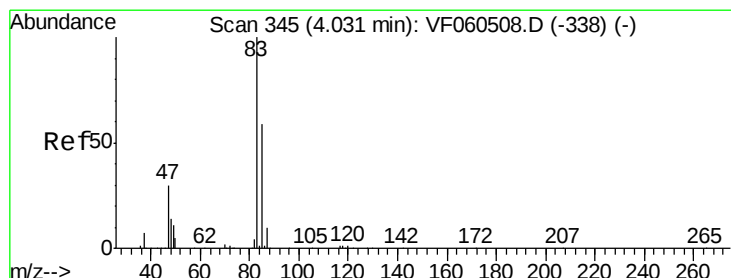
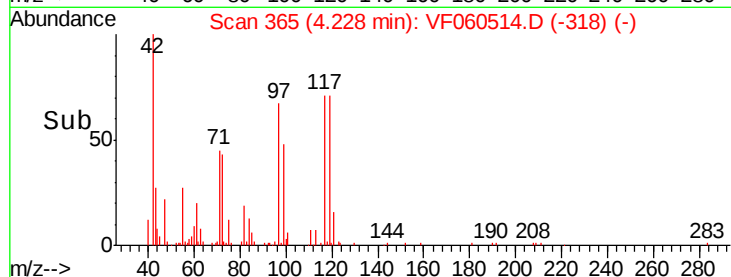
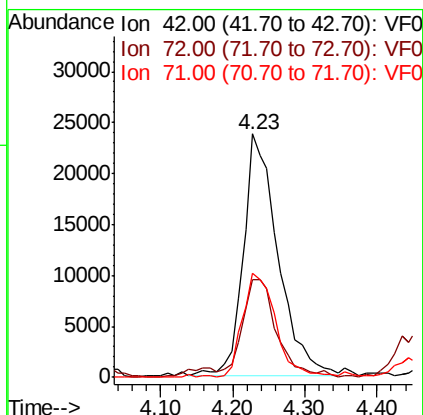
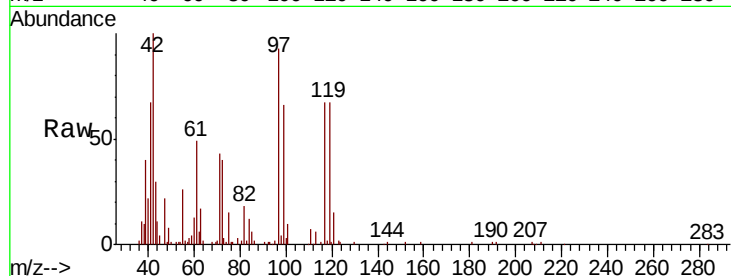




#29
Tetrahydrofuran
Concen: 274.401 ug/l
RT: 4.23 min Scan# 365
Delta R.T. -0.04 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

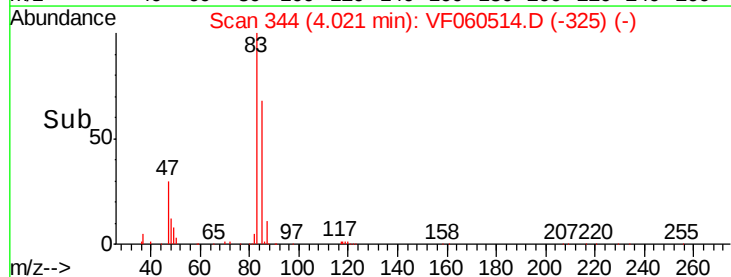
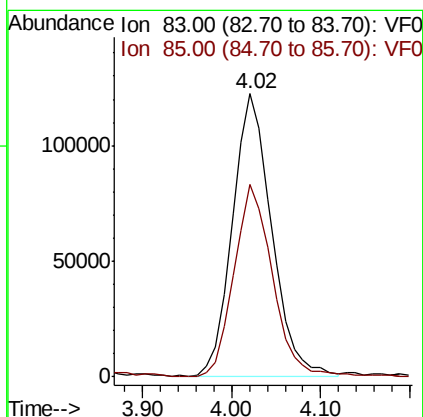
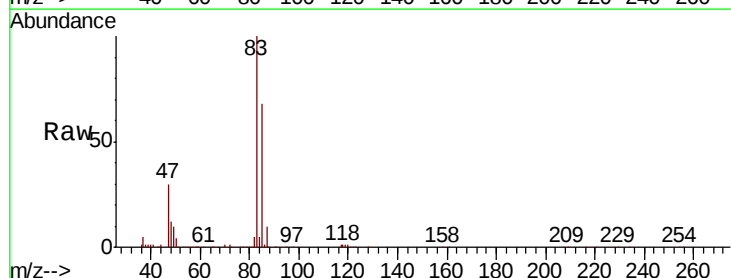
Instrument :
MSVOA_F
ClientSampleId :
ICVVF102518

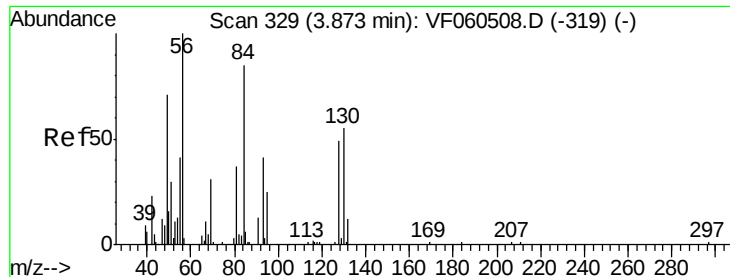
Tot Ion: 42 Resp: 79510
Ion Ratio Lower Upper
42 100
72 40.7 32.1 48.1
71 41.3 29.7 44.5



#30
Chloroform
Concen: 44.465 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Tgt Ion: 83 Resp: 373533
Ion Ratio Lower Upper
83 100
85 68.1 47.4 71.2

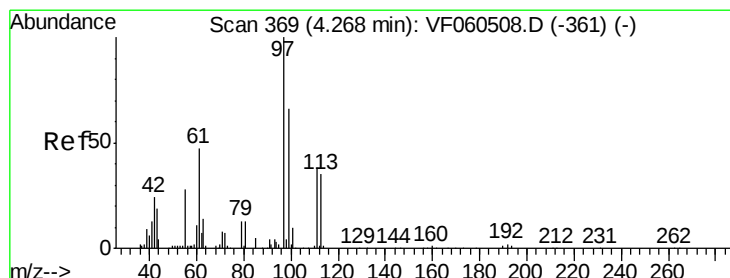
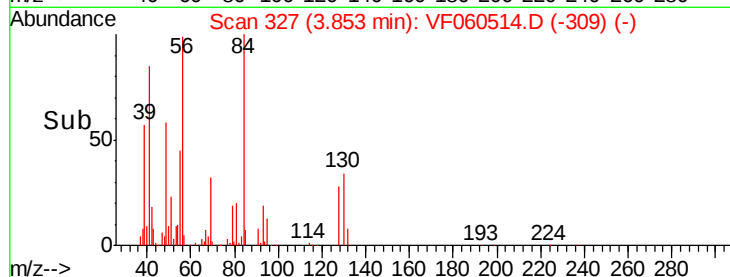
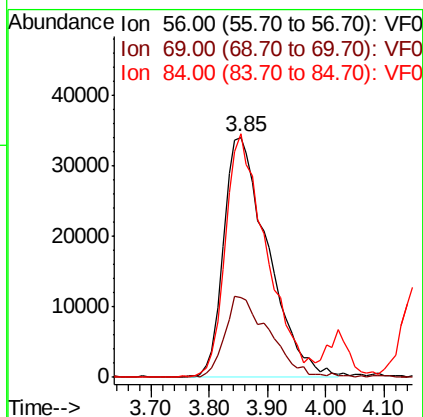
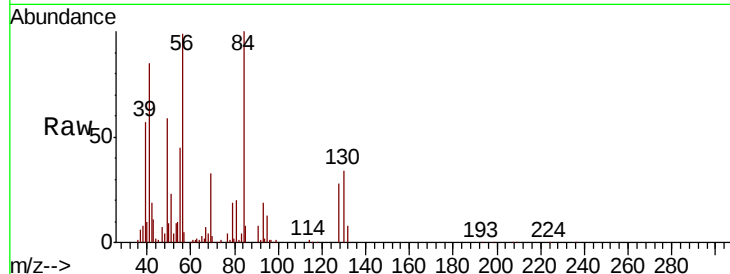




#31
Cyclohexane
Concen: 50.393 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.02 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

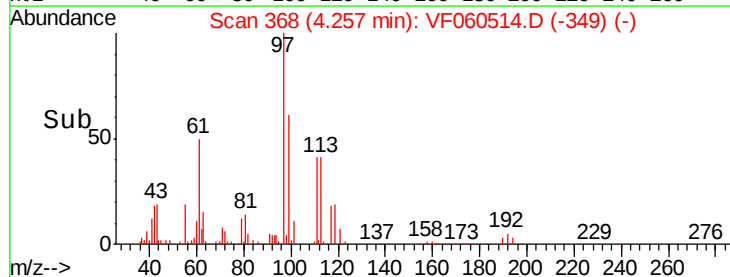
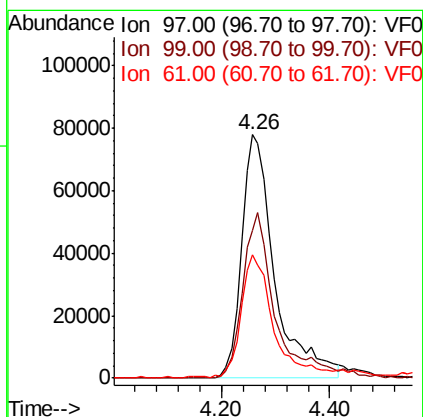
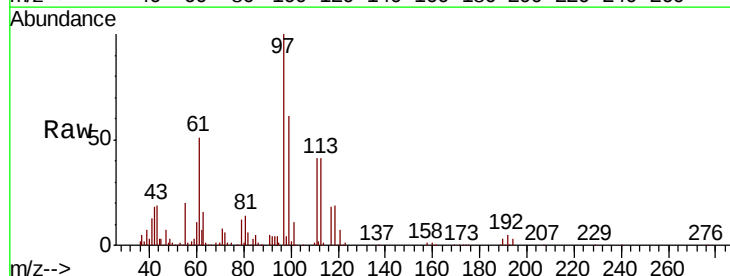
Instrument :
MSVOA_F
ClientSampleId :
ICVVF102518

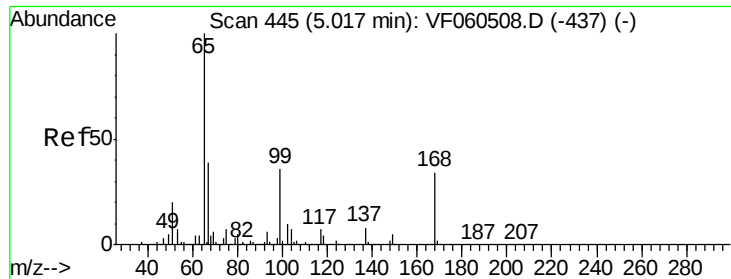
Tot Ion: 56 Resp: 181245
Ion Ratio Lower Upper
56 100
69 33.0 24.6 37.0
84 101.4 68.2 102.2



#32
1,1,1-Trichloroethane
Concen: 42.482 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Tgt Ion: 97 Resp: 329482
Ion Ratio Lower Upper
97 100
99 60.6 53.0 79.6
61 50.6 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 44.069 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

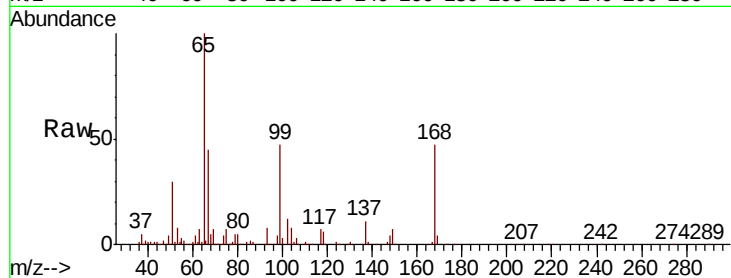
ICVVF102518

Tot Ion: 65 Resp: 206987

Ion Ratio Lower Upper

65 100

67 44.6 0.0 85.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

80000

60000

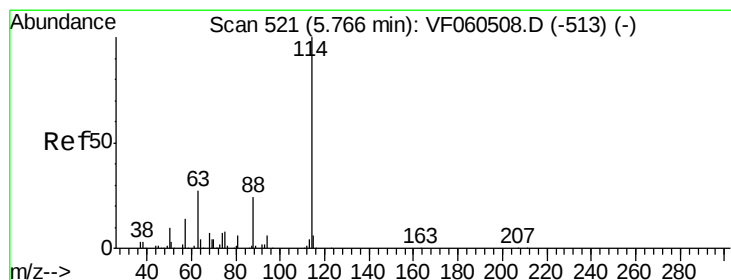
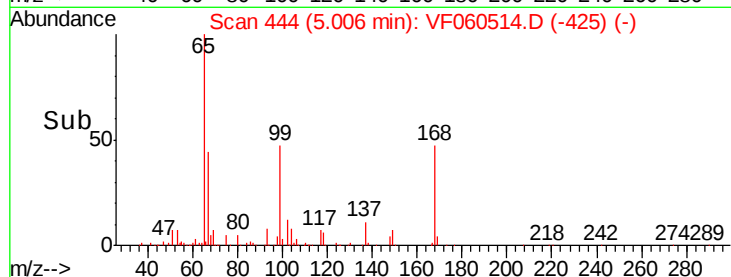
40000

20000

0

4.90 5.01 5.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

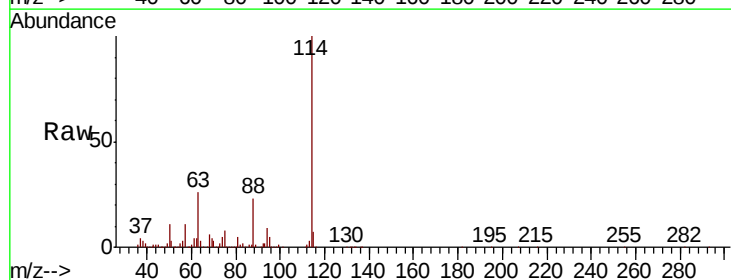
Tgt Ion: 114 Resp: 378533

Ion Ratio Lower Upper

114 100

63 25.6 0.0 54.4

88 22.6 0.0 47.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

200000

150000

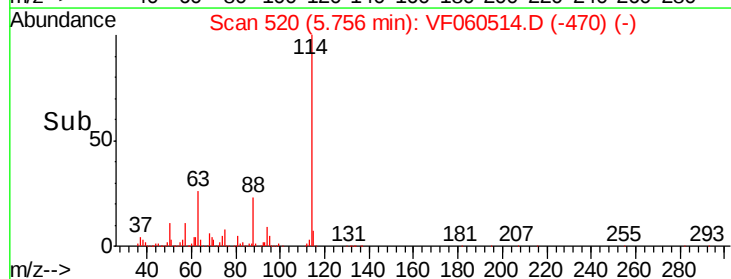
100000

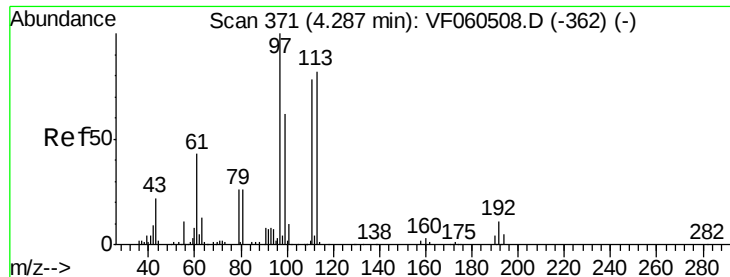
50000

0

5.60 5.76 5.80 5.90 6.00

Time-->





#35

Dibromofluoromethane

Concen: 42.535 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

ICVVF102518

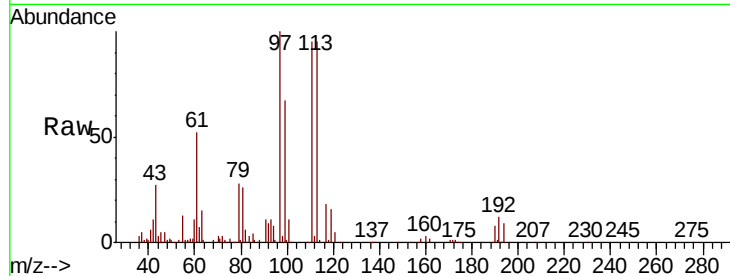
Tot Ion:113 Resp: 192994

Ion Ratio Lower Upper

113 100

111 99.5 75.9 113.9

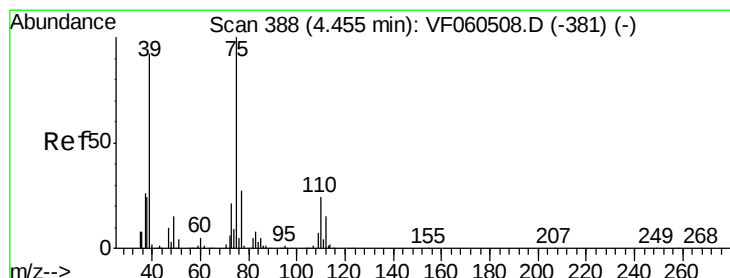
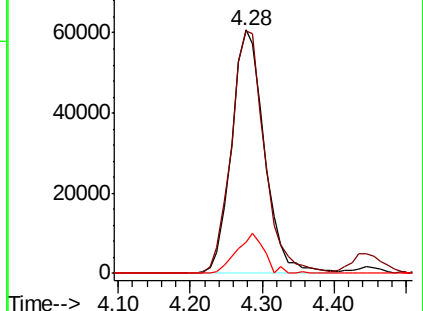
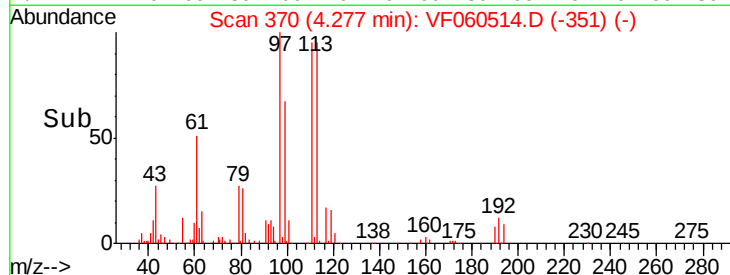
192 12.6 10.6 15.8



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 42.253 ug/l

RT: 4.44 min Scan# 387

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

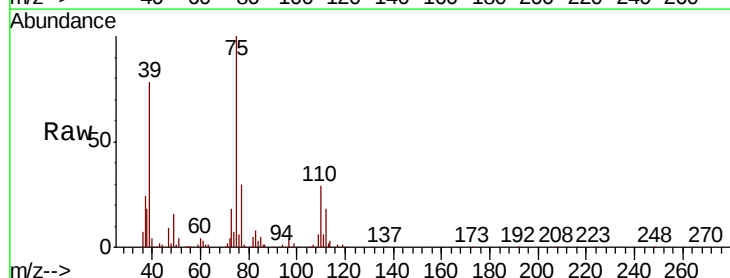
Tgt Ion: 75 Resp: 236715

Ion Ratio Lower Upper

75 100

110 29.1 12.1 36.3

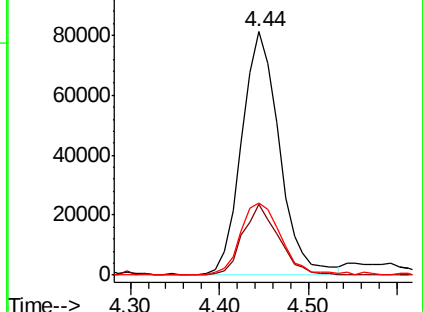
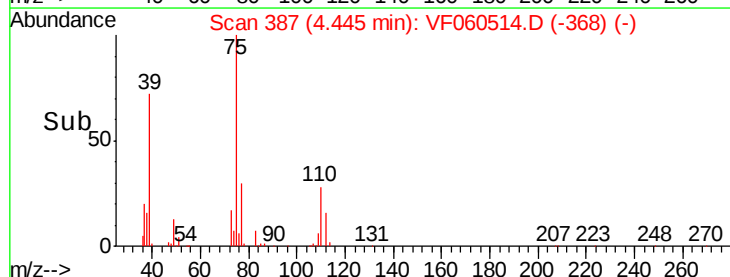
77 29.9 21.8 32.6

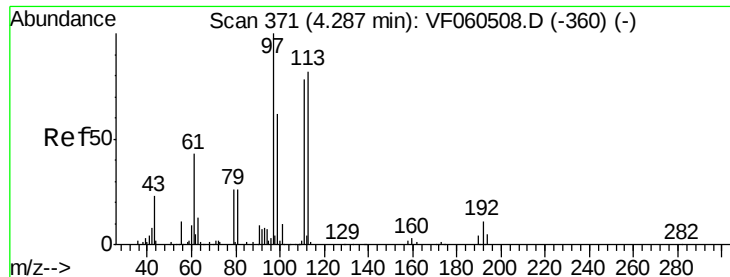


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 51.337 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

ICVVF102518

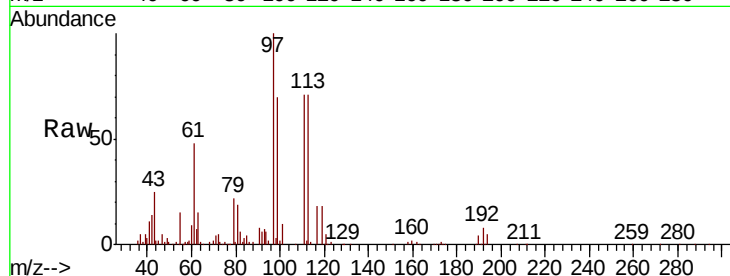
Tot Ion: 43 Resp: 78929

Ion Ratio Lower Upper

43 100

61 192.7 148.5 222.7

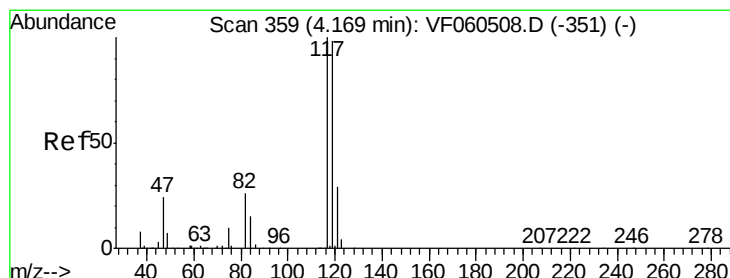
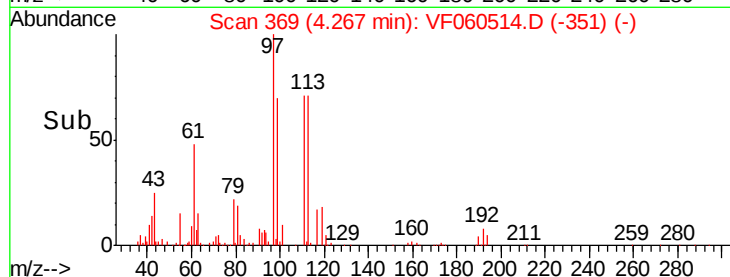
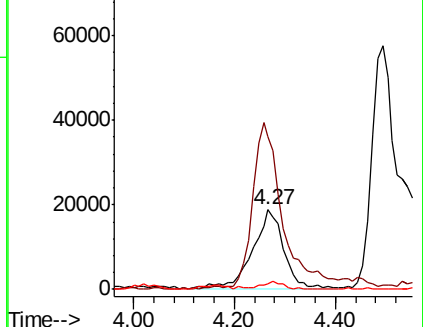
70 7.2 4.7 7.1#



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: 43.373 ug/l

RT: 4.16 min Scan# 358

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

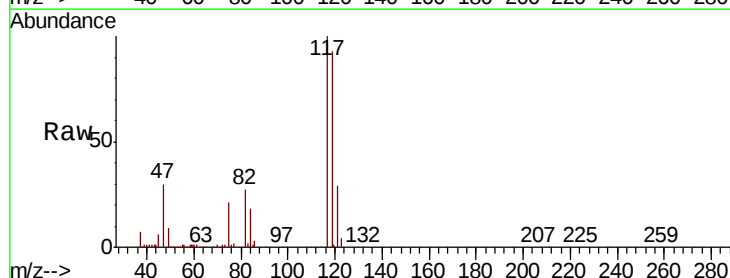
Tgt Ion: 117 Resp: 367705

Ion Ratio Lower Upper

117 100

119 93.9 78.3 117.5

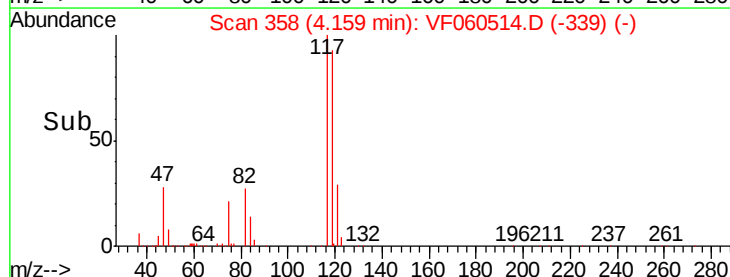
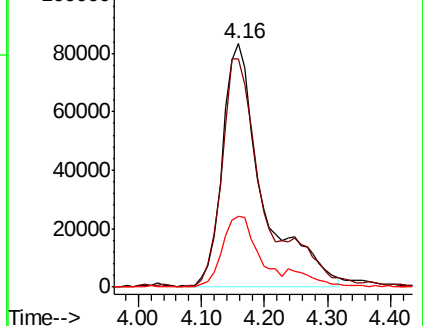
121 28.9 23.3 34.9

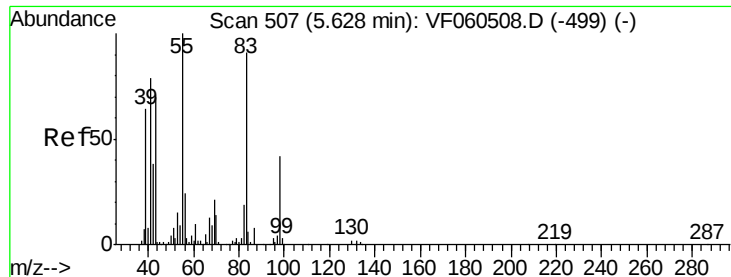


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

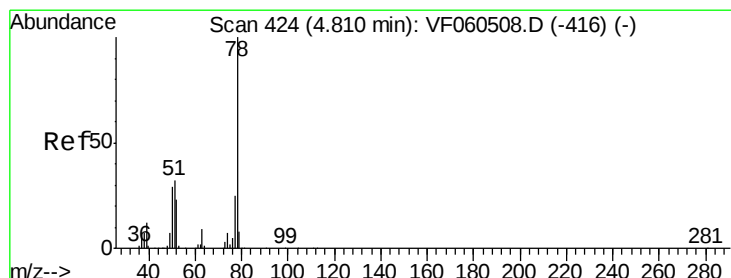
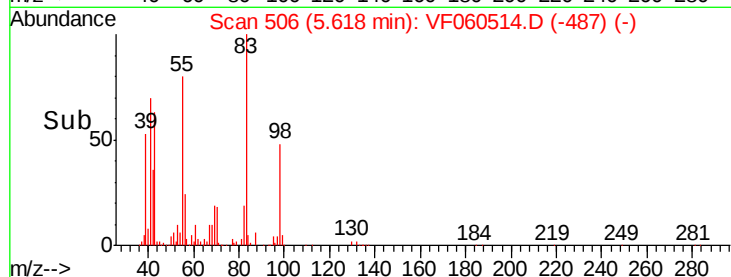
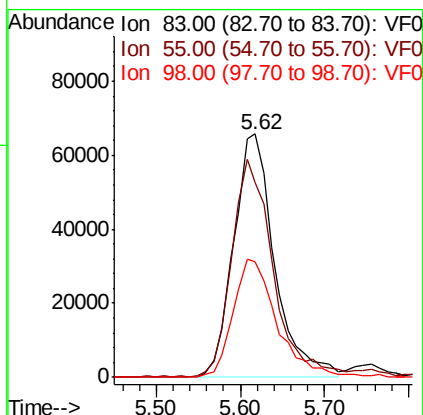
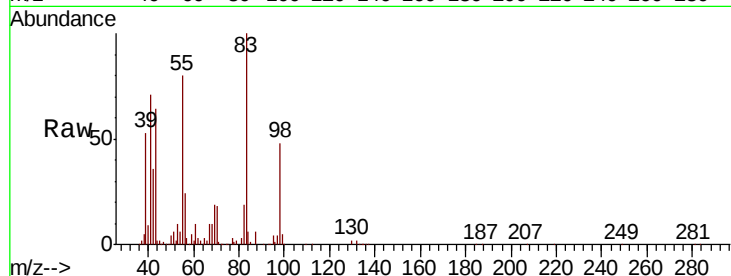




#39
Methvlcvclohexane
Concen: 48.903 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

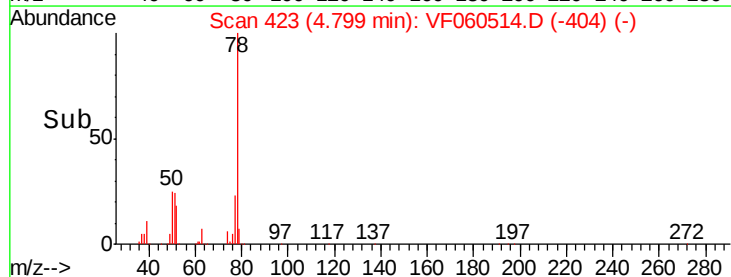
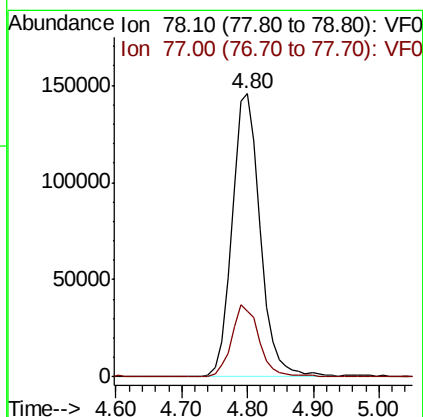
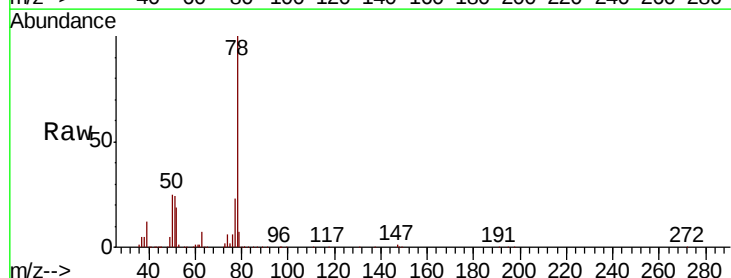
Instrument :
MSVOA_F
ClientSampleId :
ICVVF102518

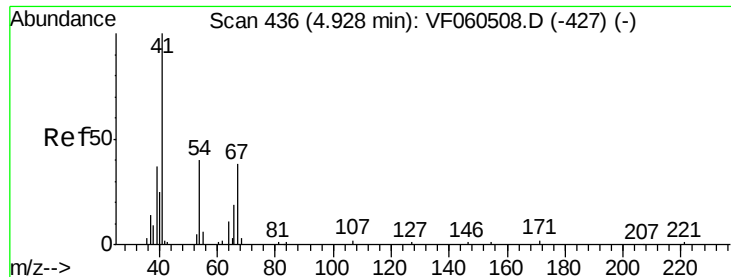
Tot Ion: 83 Resp: 223590
Ion Ratio Lower Upper
83 100
55 79.9 87.9 131.9#
98 47.6 37.0 55.6



#40
Benzene
Concen: 47.438 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Tgt Ion: 78 Resp: 437258
Ion Ratio Lower Upper
78 100
77 23.4 20.2 30.4

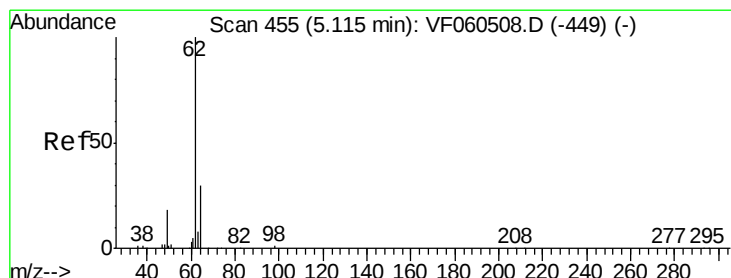
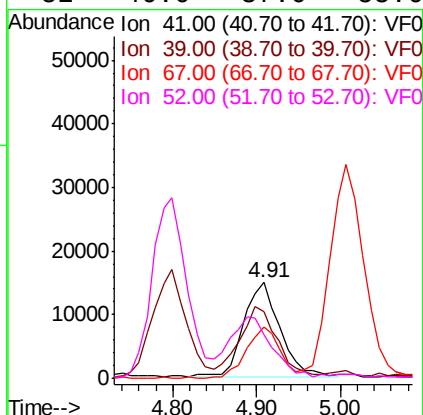
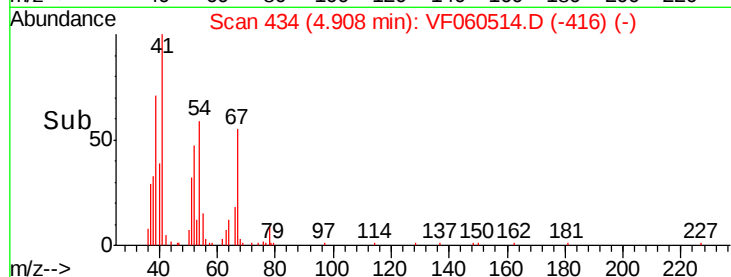
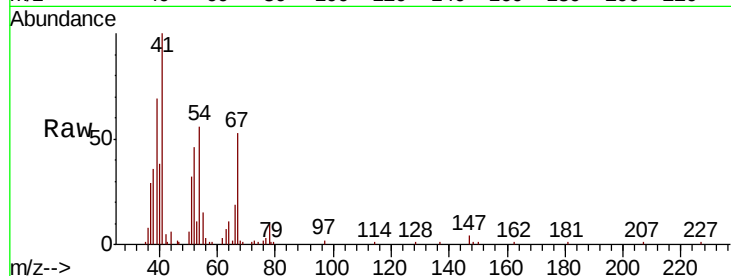




#41
Methacrylonitrile
Concen: 49.053 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

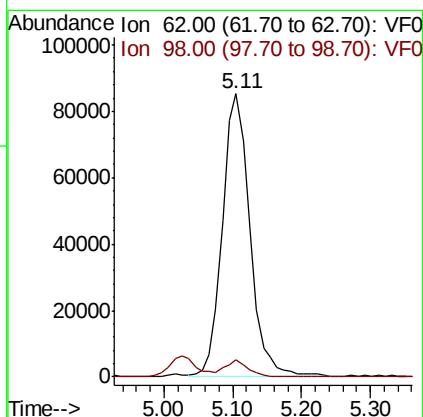
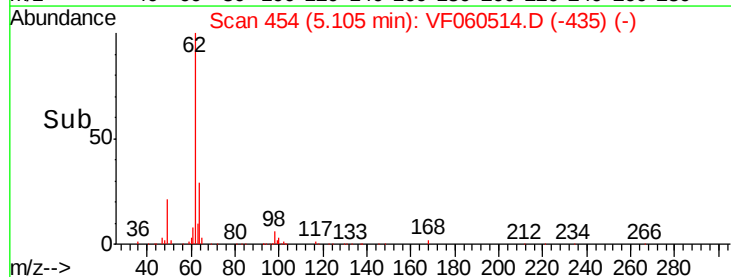
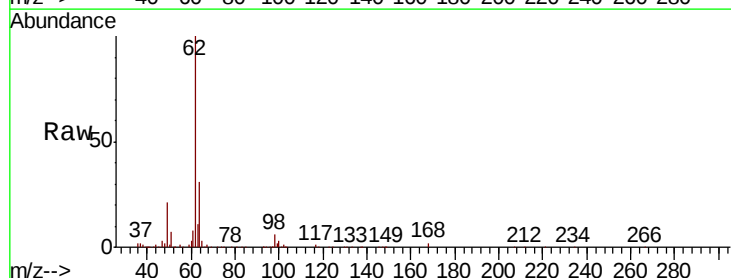
Instrument :
MSVOA_F
ClientSampleId :
ICVVF102518

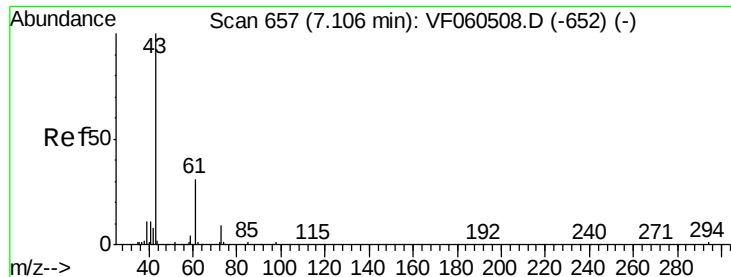
Tot Ion: 41 Resp: 46079
Ion Ratio Lower Upper
41 100
39 69.3 55.2 82.8
67 53.0 29.8 44.8#
52 46.0 37.0 55.6



#42
1,2-Dichloroethane
Concen: 39.373 ug/l
RT: 5.11 min Scan# 454
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Tgt Ion: 62 Resp: 234590
Ion Ratio Lower Upper
62 100
98 6.2 0.0 9.4



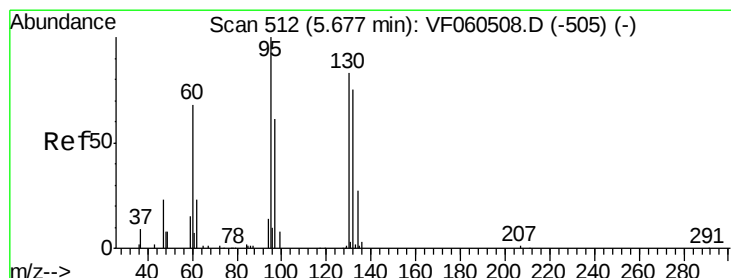
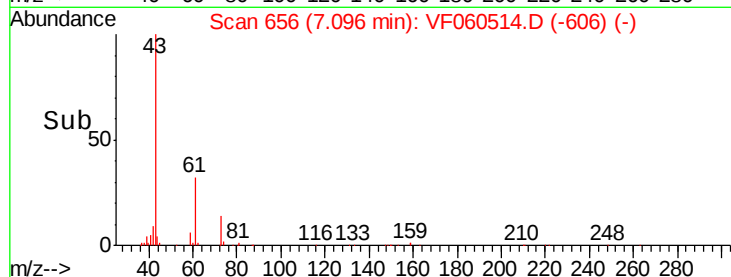
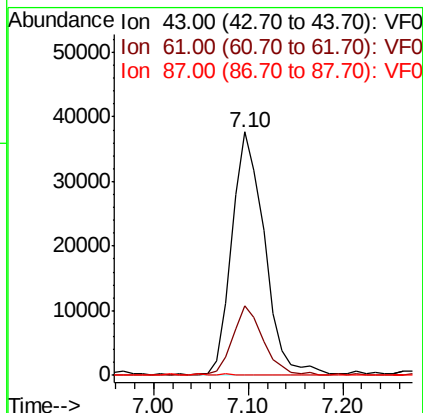
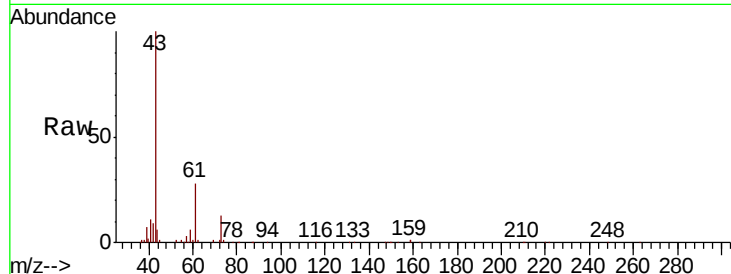


#43

Isopropyl Acetate
 Concen: 46.843 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VF060514.D
 Acq: 26 Oct 2018 11:01

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF102518

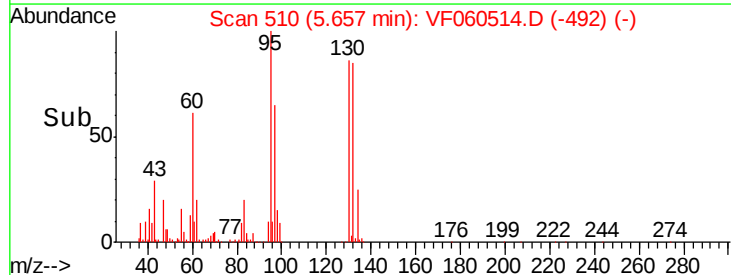
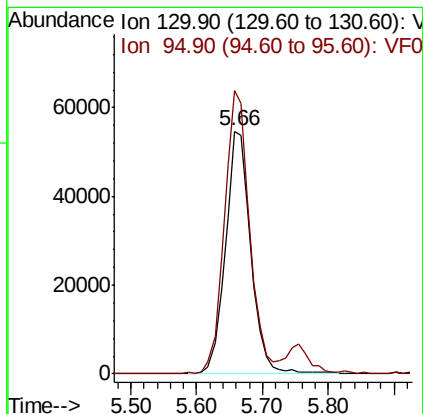
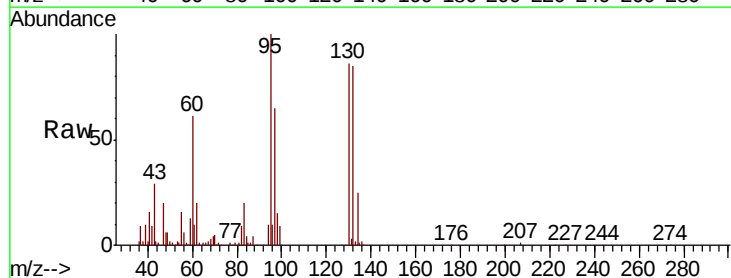
Tot Ion	43	Resp	90443
Ion Ratio	Lower	Upper	
43	100		
61	28.3	24.4	36.6
87	0.4	0.0	0.0#

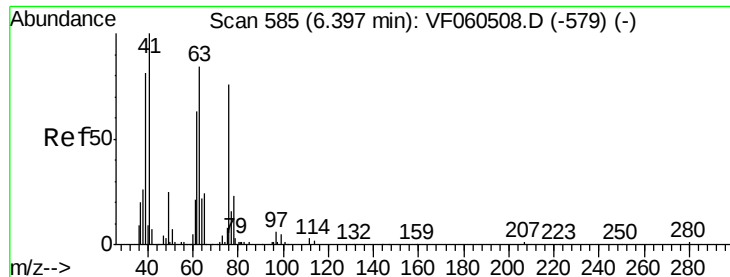


#44

Trichloroethene
 Concen: 45.903 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. -0.02 min
 Lab File: VF060514.D
 Acq: 26 Oct 2018 11:01

Tgt Ion	130	Resp	147617
Ion Ratio	Lower	Upper	
130	100		
95	116.6	0.0	242.8





#45

1,2-Dichloropropane

Concen: 50.083 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

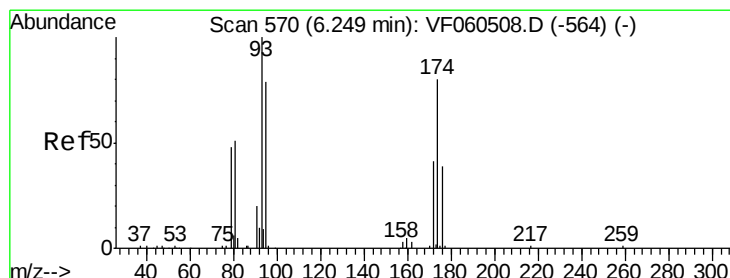
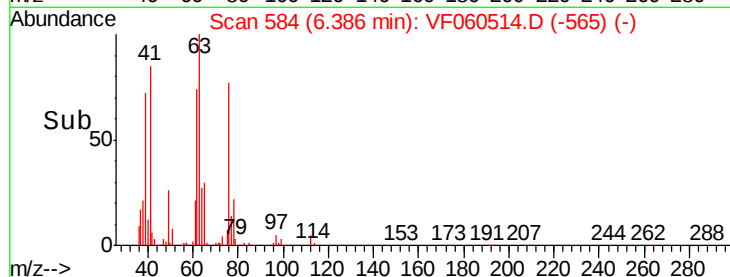
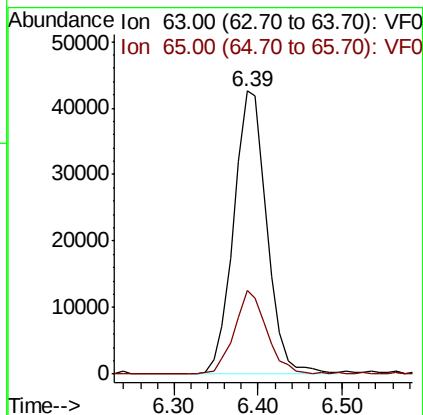
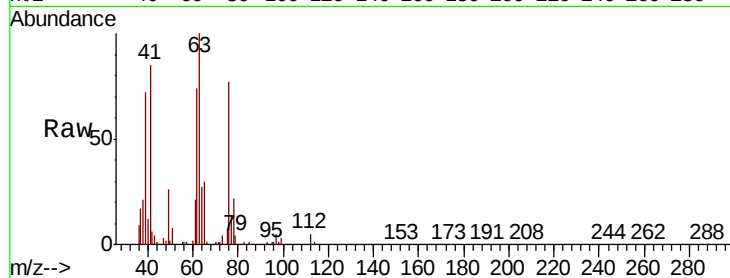
ICVVF102518

Tot Ion: 63 Resp: 116897

Ion Ratio Lower Upper

63 100

65 29.6 22.7 34.1



#46

Dibromomethane

Concen: 43.328 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

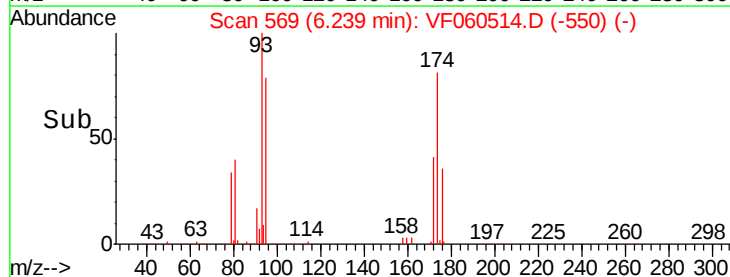
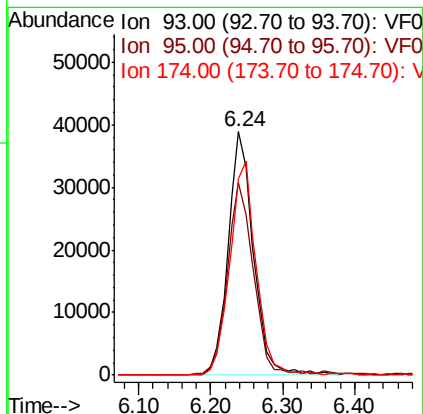
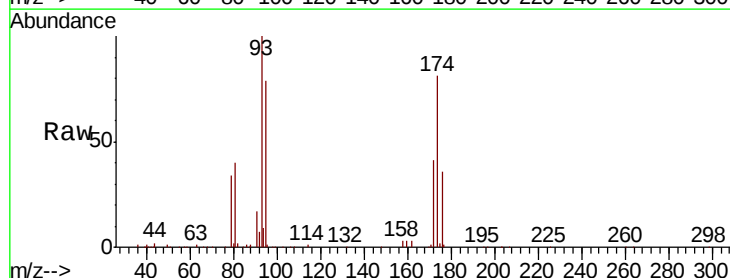
Tgt Ion: 93 Resp: 94900

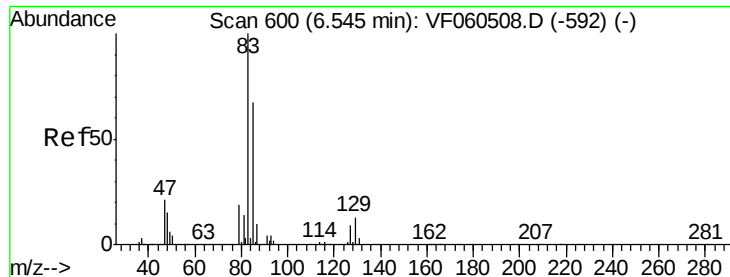
Ion Ratio Lower Upper

93 100

95 79.8 63.8 95.8

174 82.5 64.9 97.3





#47

Bromodichloromethane

Concen: 41.961 ug/l

RT: 6.53 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

ICVVF102518

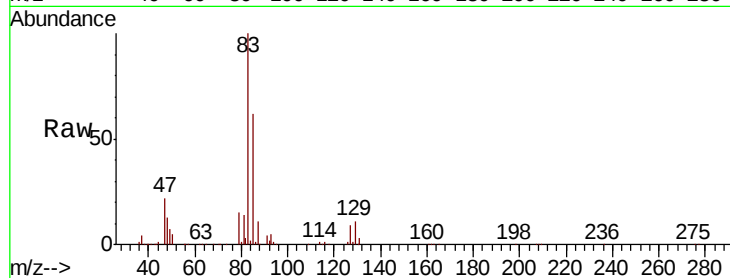
Tot Ion: 83 Resp: 257840

Ion Ratio Lower Upper

83 100

85 62.4 53.4 80.0

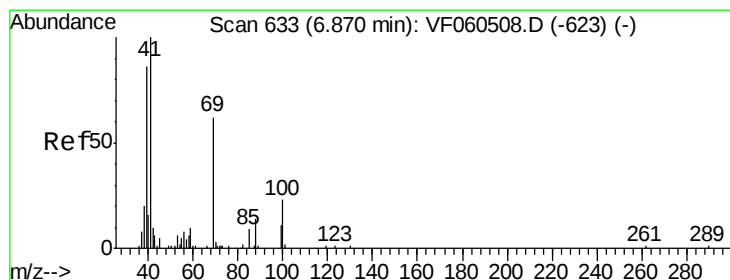
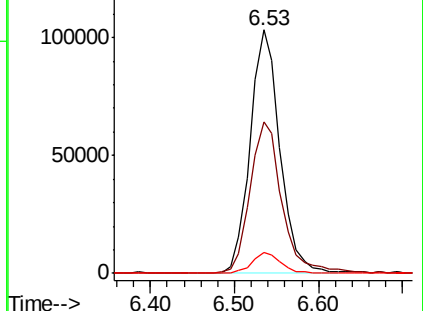
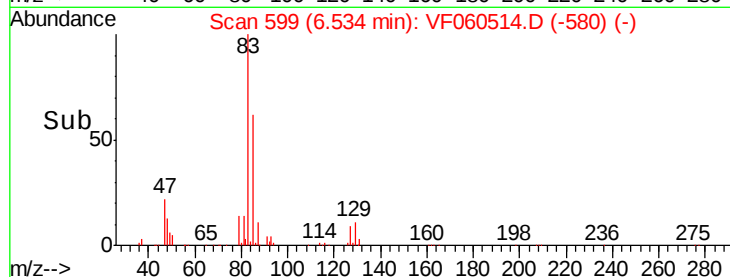
127 8.7 6.9 10.3



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: 46.422 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

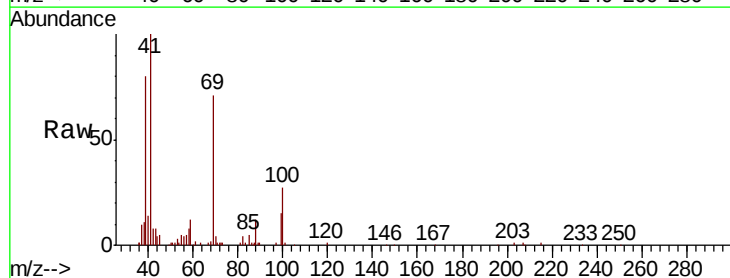
Tgt Ion: 41 Resp: 67565

Ion Ratio Lower Upper

41 100

69 71.1 49.6 74.4

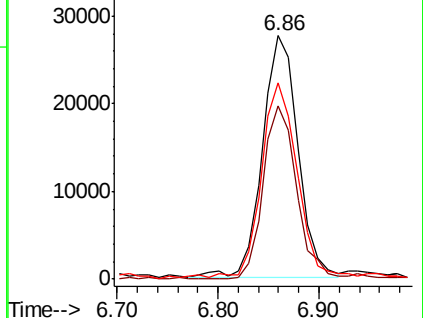
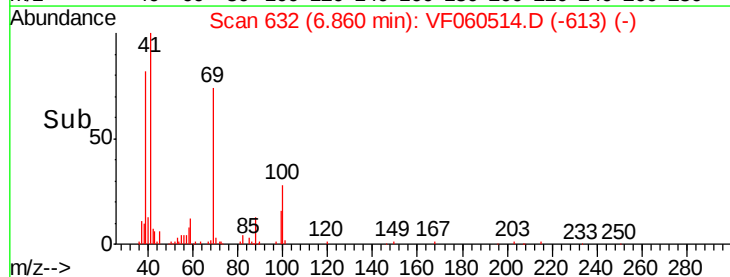
39 80.4 69.4 104.2

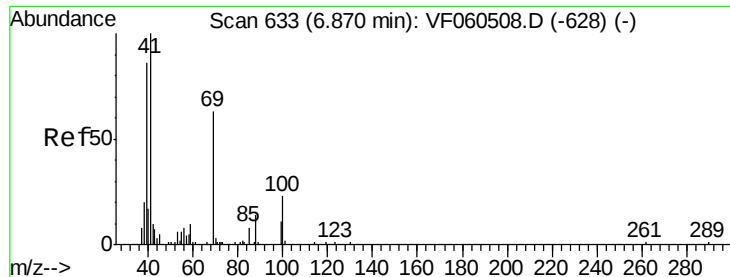


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 972.954 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.02 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

ICVVF102518

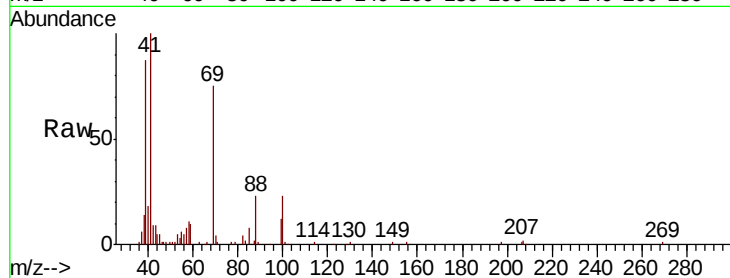
Tot Ion: 88 Resp: 12201

Ion Ratio Lower Upper

88 100

43 36.9 39.3 58.9#

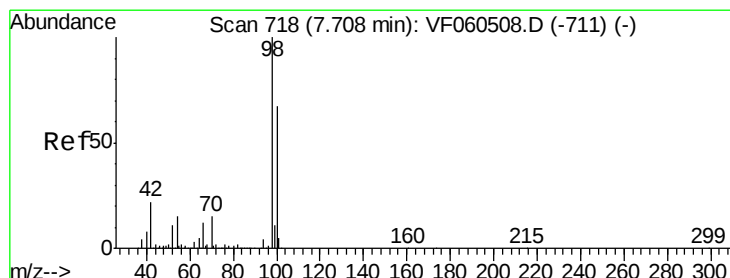
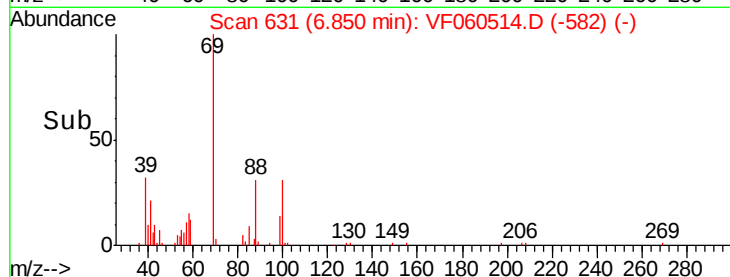
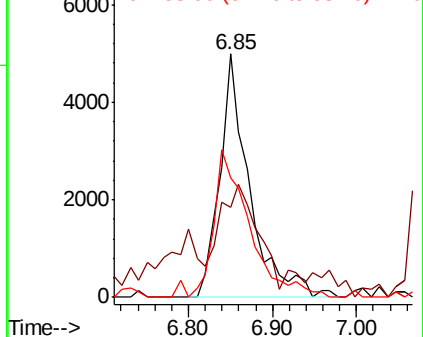
58 48.9 35.0 52.6



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: 49.842 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF060514.D

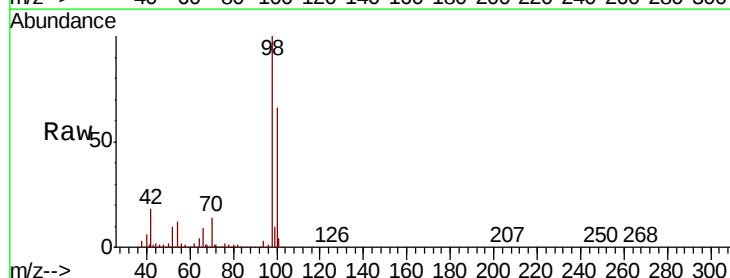
Acq: 26 Oct 2018 11:01

Tgt Ion: 98 Resp: 453848

Ion Ratio Lower Upper

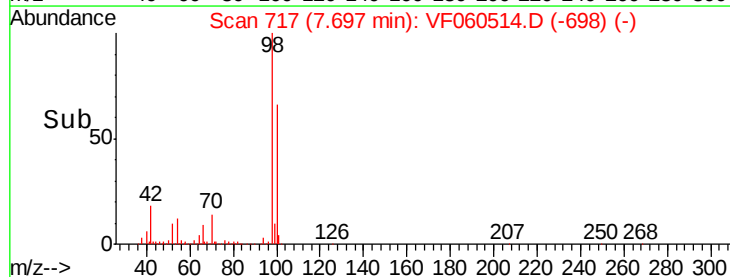
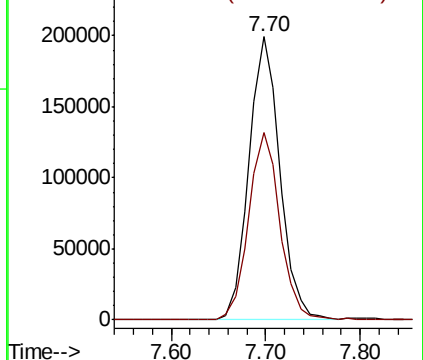
98 100

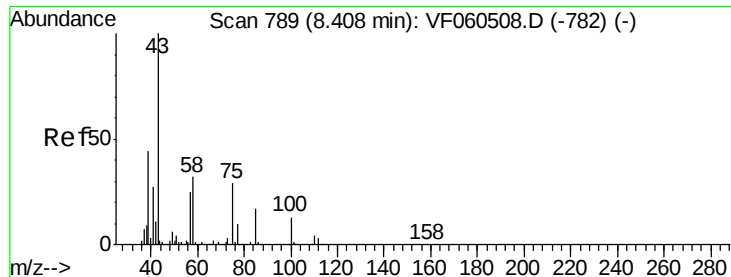
100 66.1 53.4 80.0



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: 229.316 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.02 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

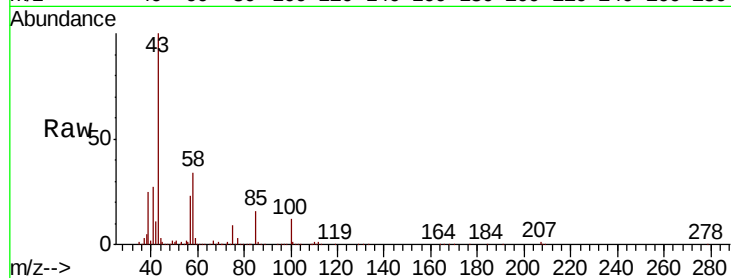
ICVVF102518

Tot Ion: 43 Resp: 345875

Ion Ratio Lower Upper

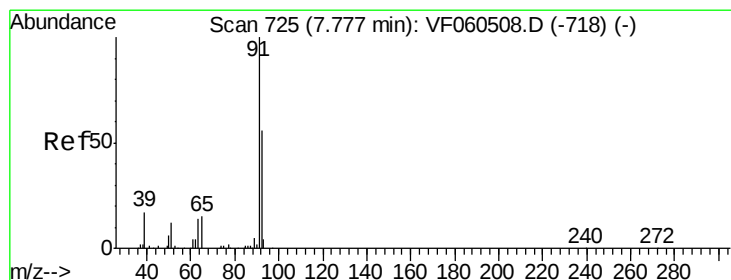
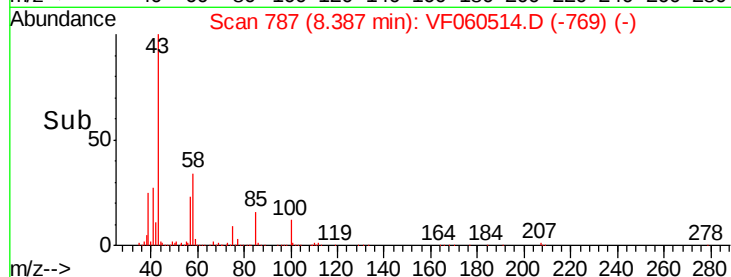
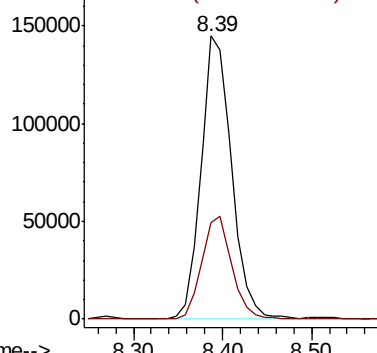
43 100

58 34.2 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: 46.354 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060514.D

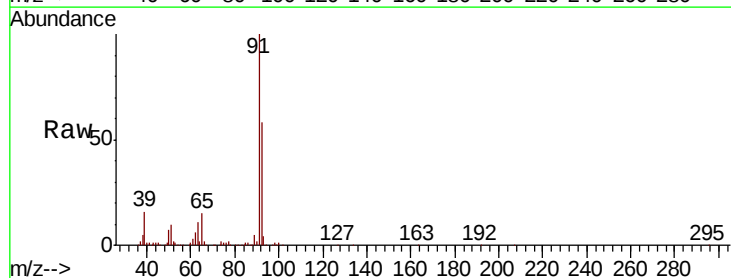
Acq: 26 Oct 2018 11:01

Tgt Ion: 92 Resp: 280949

Ion Ratio Lower Upper

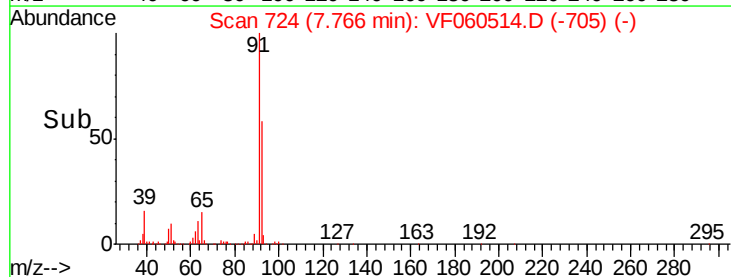
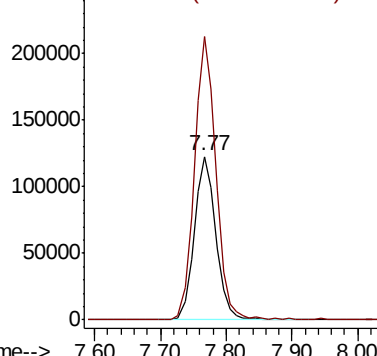
92 100

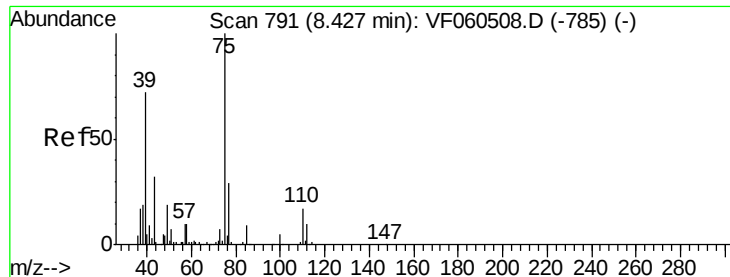
91 172.9 143.8 215.8



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: 42.688 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

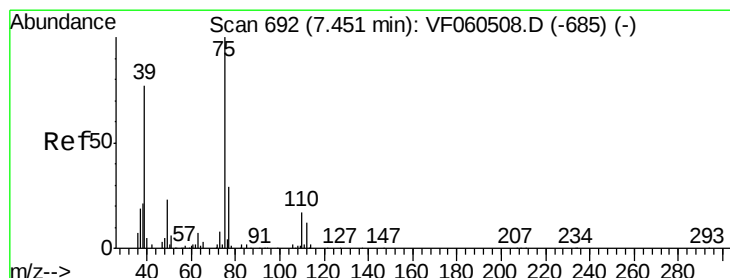
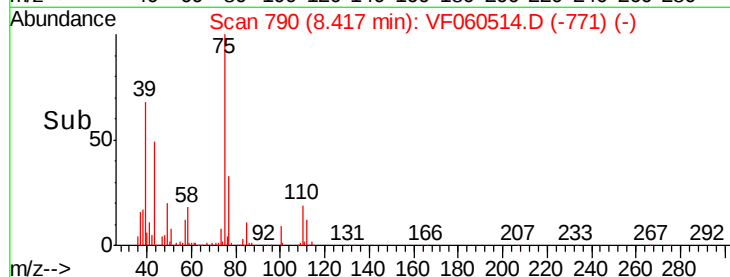
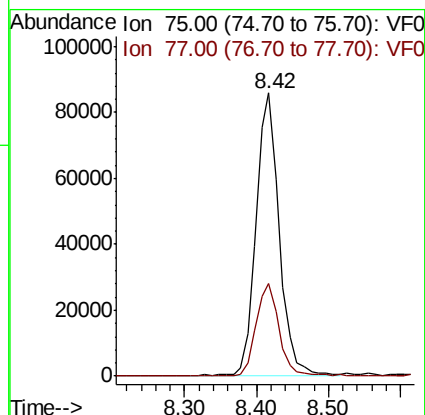
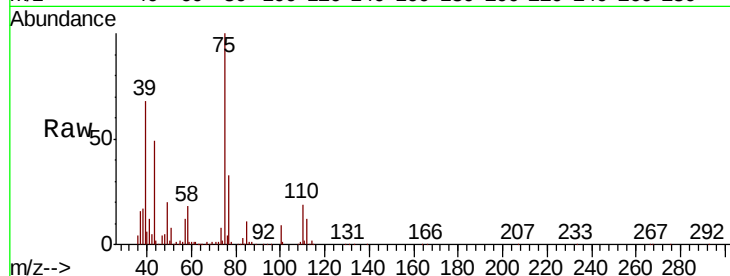
ICVVF102518

Tot Ion: 75 Resp: 194230

Ion Ratio Lower Upper

75 100

77 32.7 23.7 35.5



#54

cis-1,3-Dichloropropene

Concen: 46.380 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

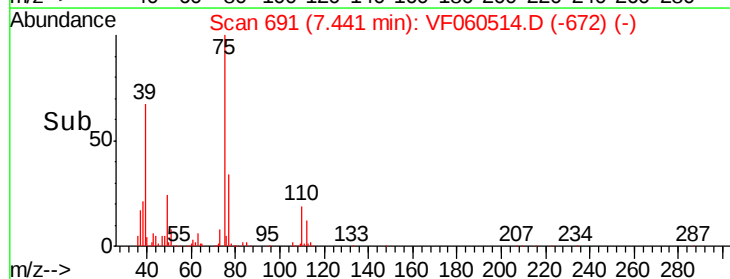
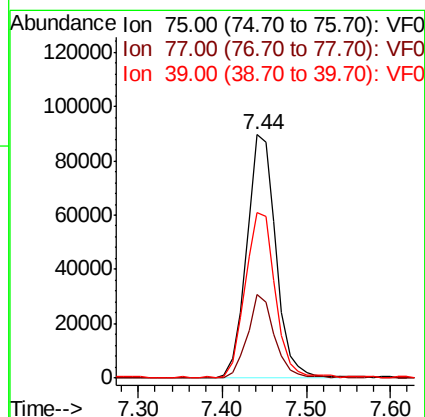
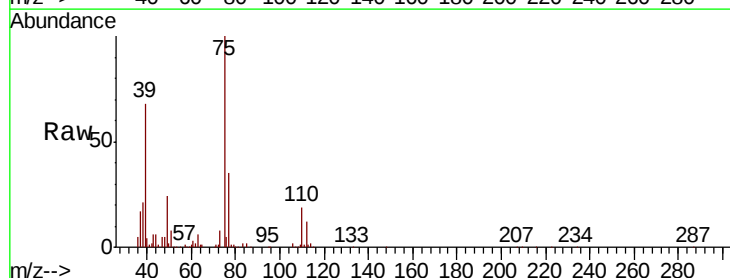
Tgt Ion: 75 Resp: 217383

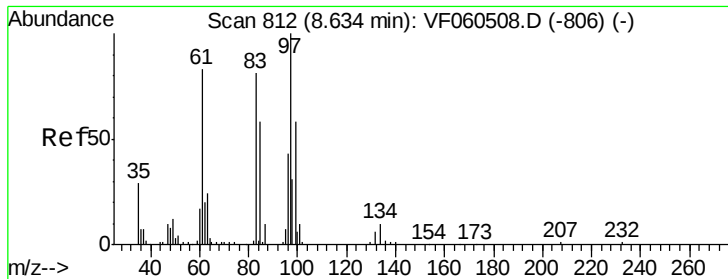
Ion Ratio Lower Upper

75 100

77 34.5 23.6 35.4

39 67.8 61.6 92.4





#55

1,1,2-Trichloroethane

Concen: 46.110 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

ICVVF102518

Tot Ion: 97 Resp: 88475

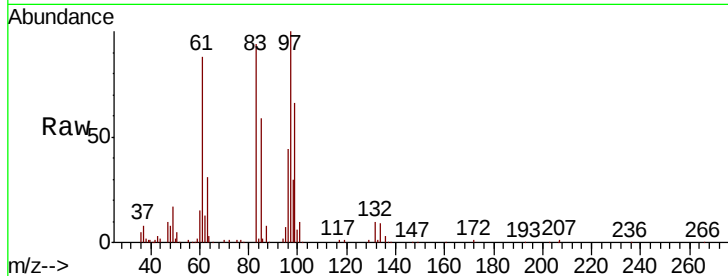
Ion Ratio Lower Upper

97 100

83 94.1 65.0 97.4

85 59.0 47.0 70.6

99 66.4 46.2 69.4

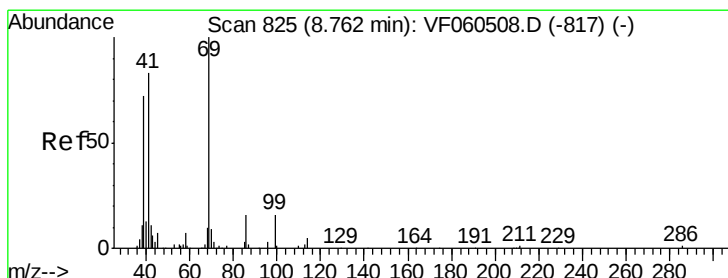
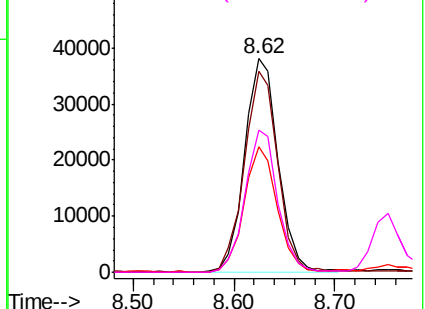
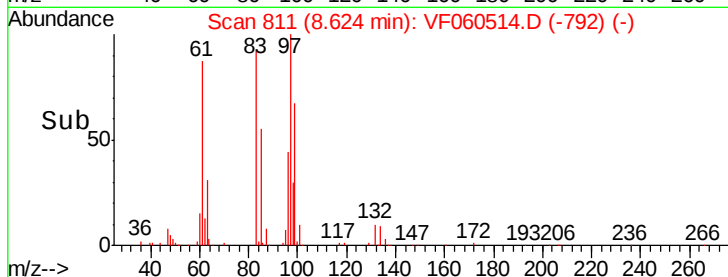


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 49.185 ug/l

RT: 8.75 min Scan# 824

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

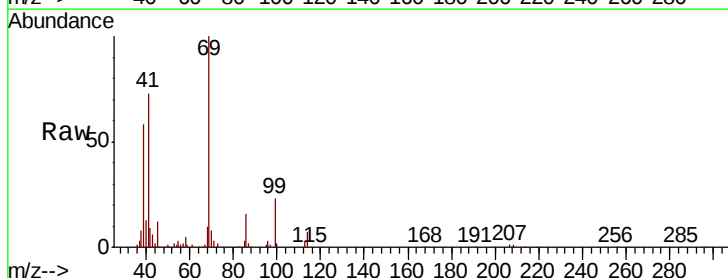
Tgt Ion: 69 Resp: 100661

Ion Ratio Lower Upper

69 100

41 73.0 67.2 100.8

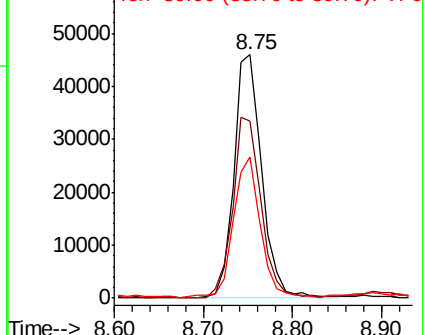
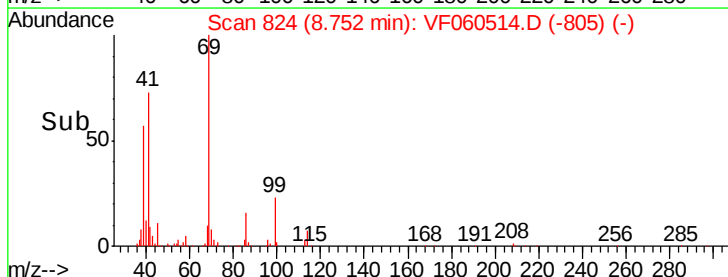
39 58.0 58.4 87.6#

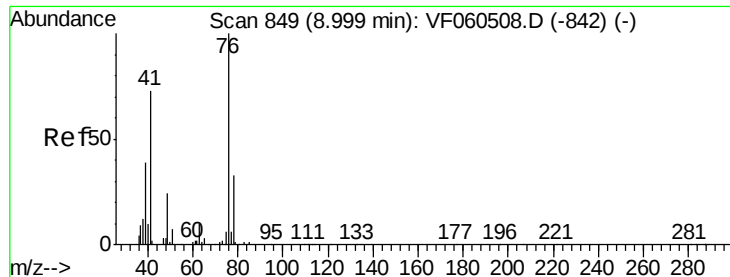


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 42.603 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

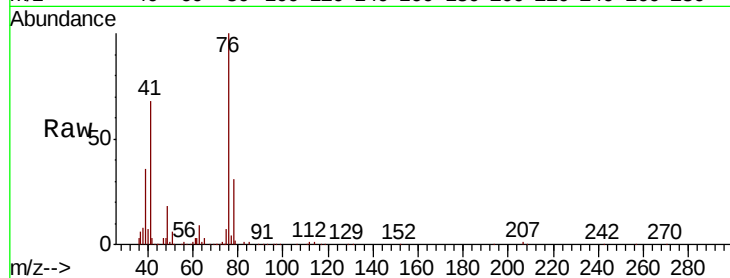
ICVVF102518

Tot Ion: 76 Resp: 143154

Ion Ratio Lower Upper

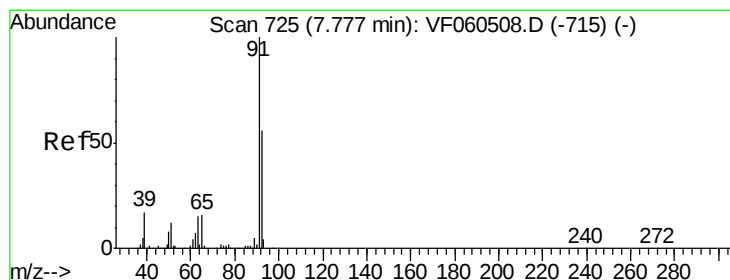
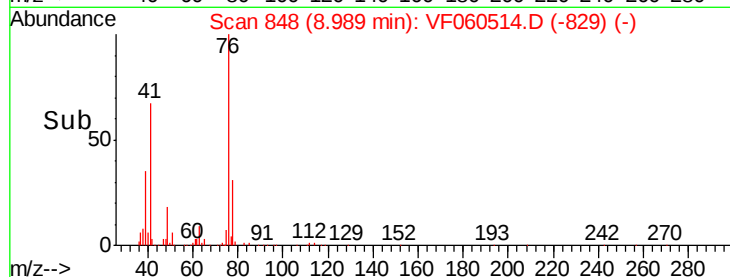
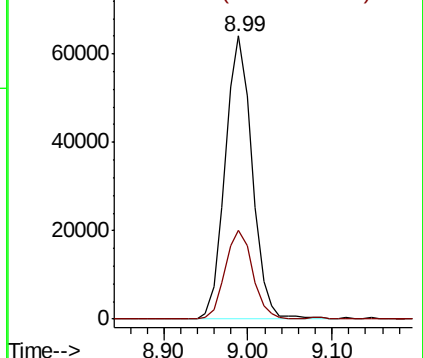
76 100

78 31.5 26.6 40.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 198.385 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060514.D

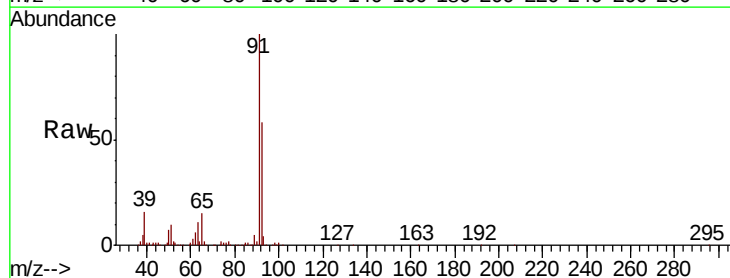
Acq: 26 Oct 2018 11:01

Tgt Ion: 63 Resp: 56143

Ion Ratio Lower Upper

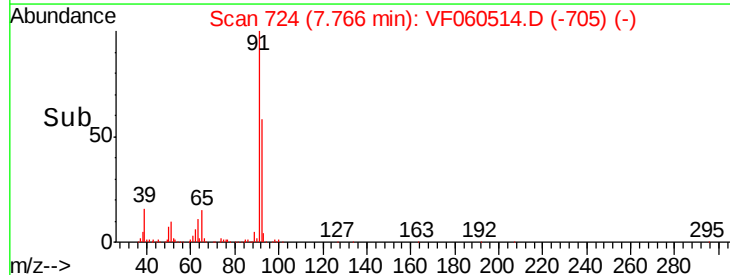
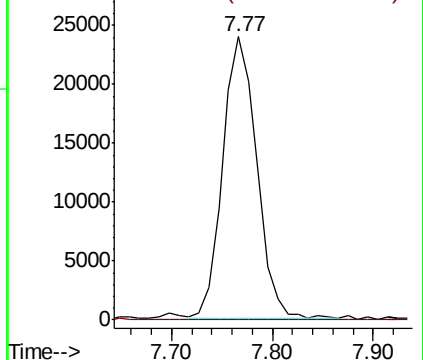
63 100

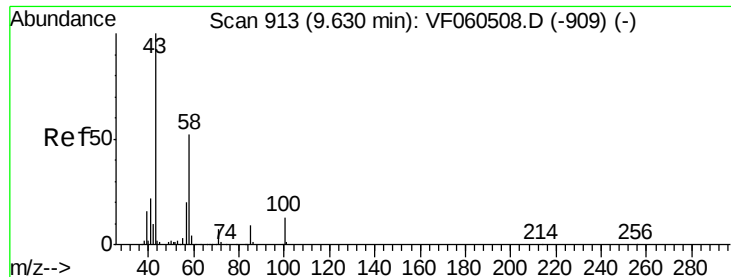
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

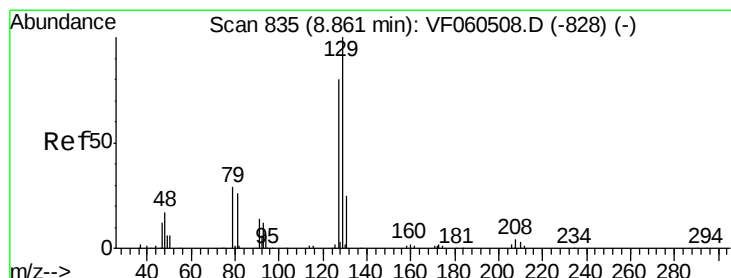
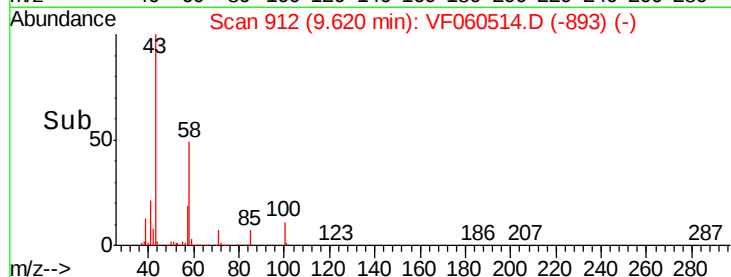
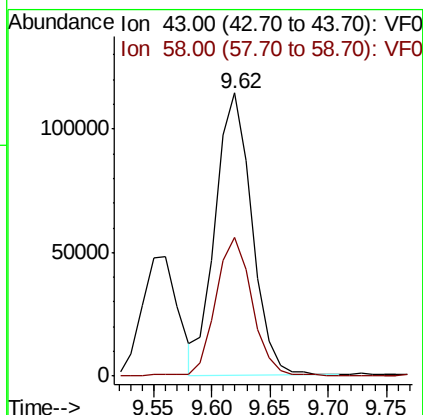
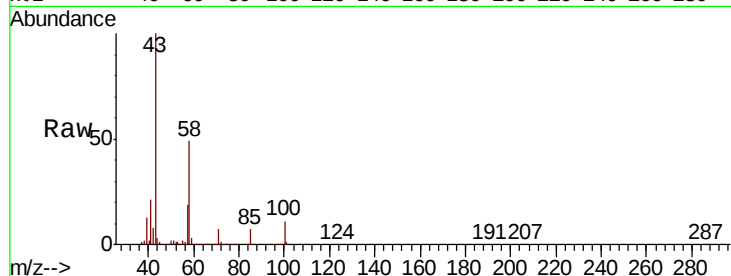




#59
2-Hexanone
Concen: 254.663 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

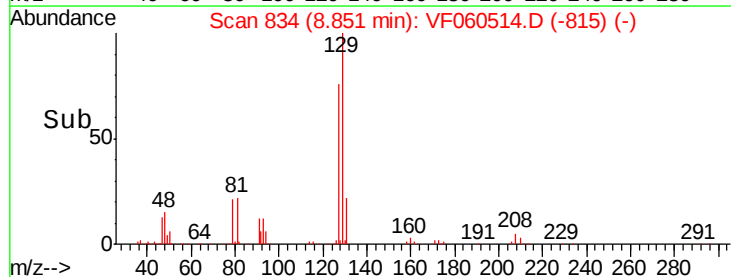
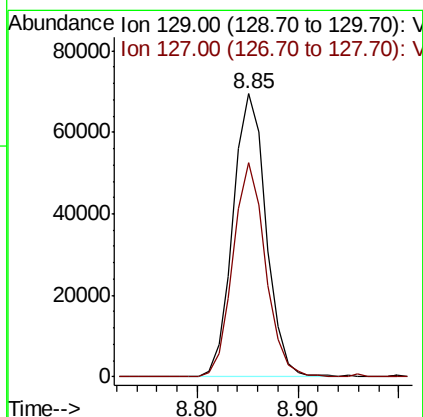
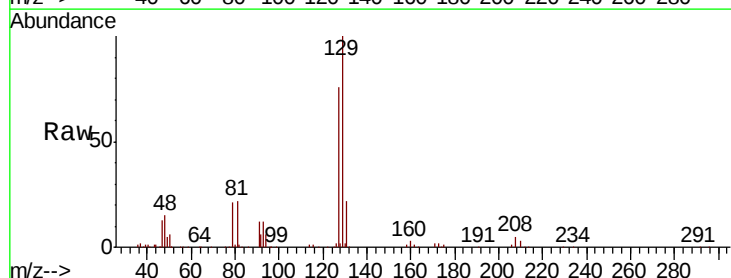
Instrument :
MSVOA_F
ClientSampleId :
ICVVF102518

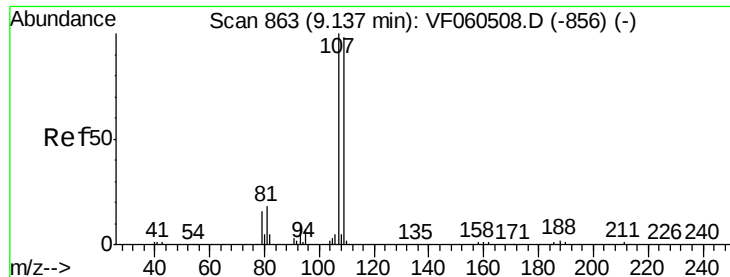
Tot Ion: 43 Resp: 247085
Ion Ratio Lower Upper
43 100
58 49.2 23.5 70.5



#60
Dibromochloromethane
Concen: 43.567 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Tgt Ion: 129 Resp: 158758
Ion Ratio Lower Upper
129 100
127 78.0 40.2 120.5





#61

1,2-Dibromoethane

Concen: 42.954 ug/l

RT: 9.13 min Scan# 862

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

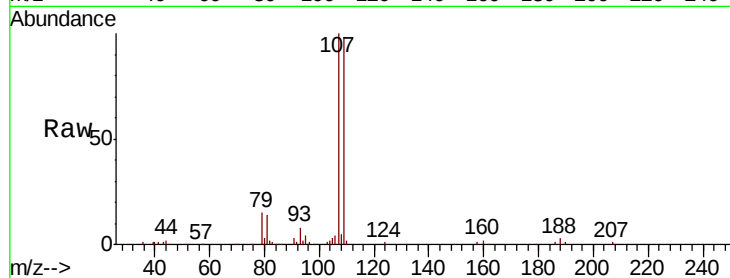
ICVVF102518

Tot Ion:107 Resp: 97990

Ion Ratio Lower Upper

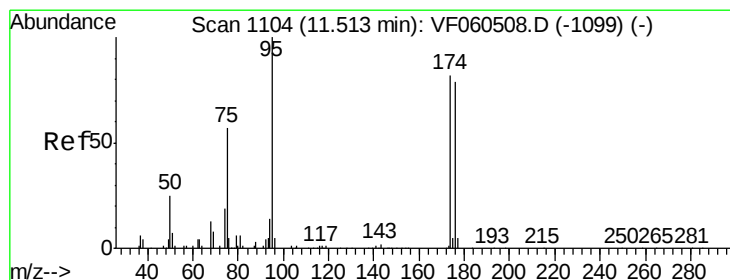
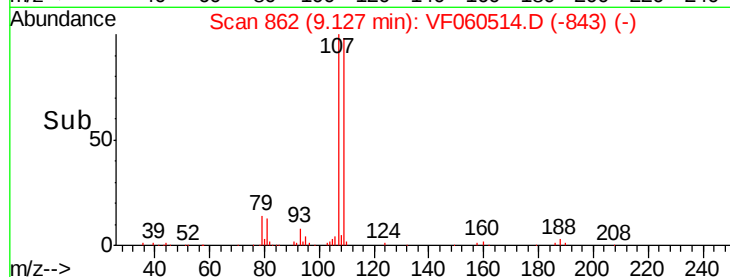
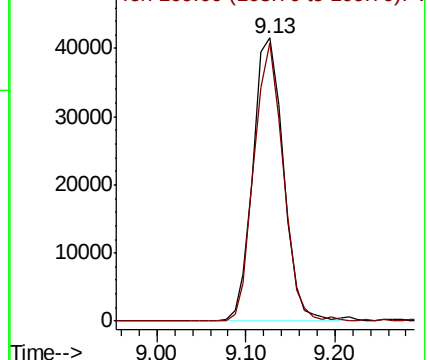
107 100

109 98.4 78.6 118.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 39.899 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

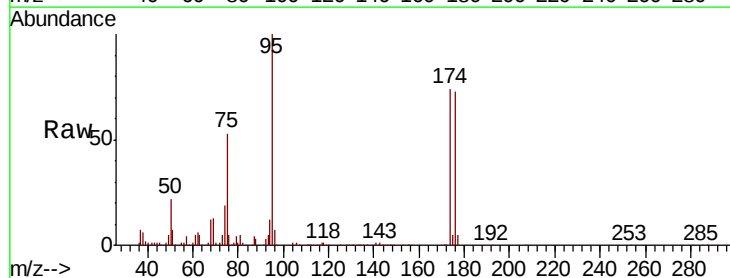
Tgt Ion: 95 Resp: 202354

Ion Ratio Lower Upper

95 100

174 73.6 0.0 164.2

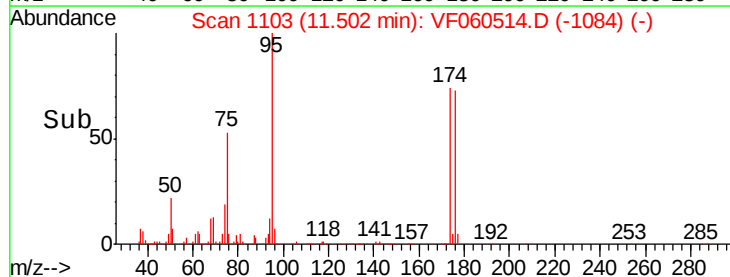
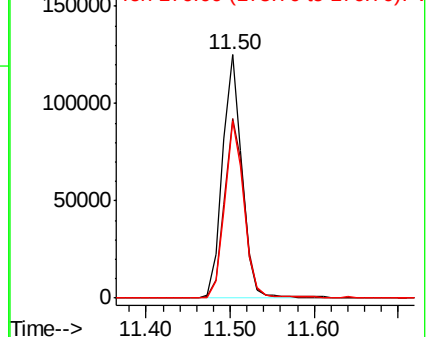
176 72.6 0.0 158.4

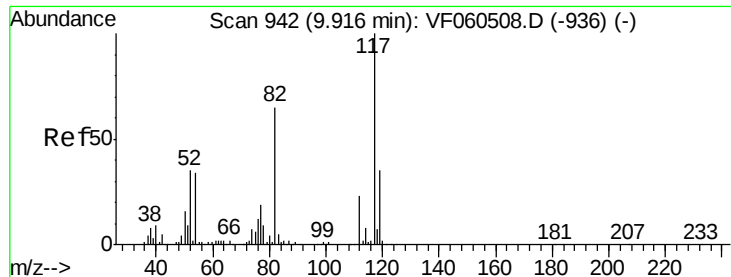


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

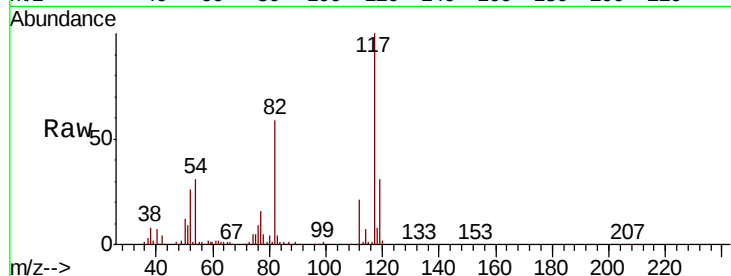




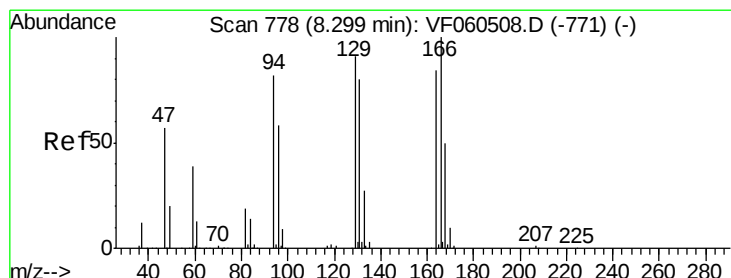
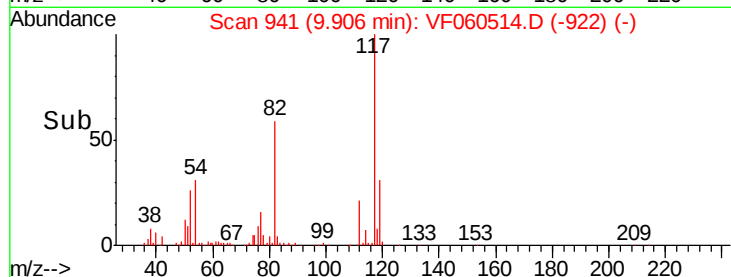
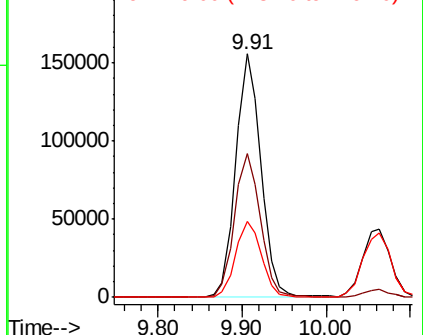
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Instrument :
MSVOA_F
ClientSampleId :
ICVVF102518

Tot Ion:117 Resp: 326397
Ion Ratio Lower Upper
117 100
82 59.1 51.7 77.5
119 31.0 28.3 42.5

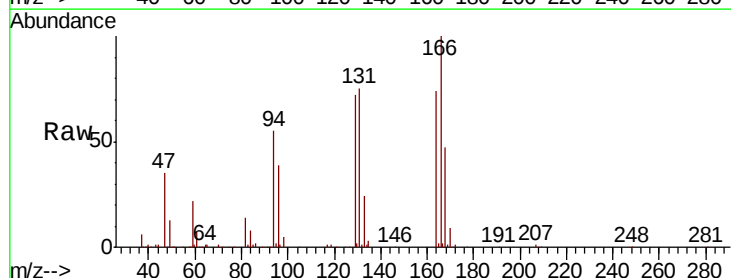


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

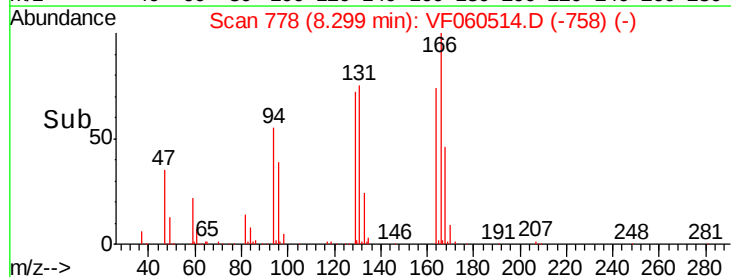
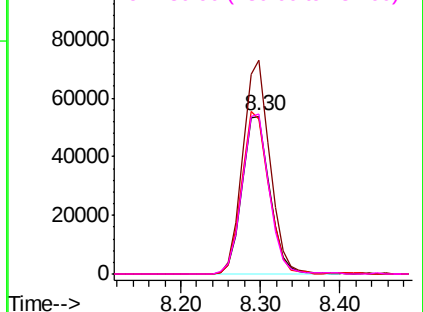


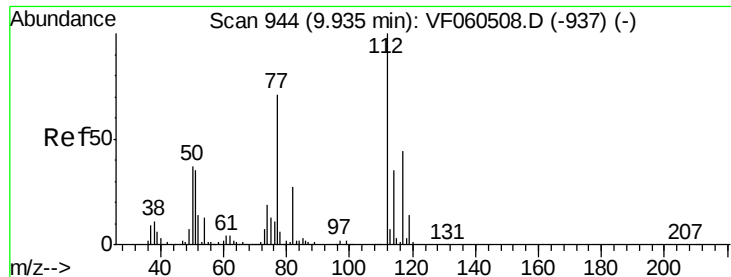
#64
Tetrachloroethene
Concen: 46.633 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.00 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Tgt Ion:164 Resp: 128311
Ion Ratio Lower Upper
164 100
166 135.4 95.1 142.7
129 97.9 86.3 129.5
131 101.8 76.5 114.7



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

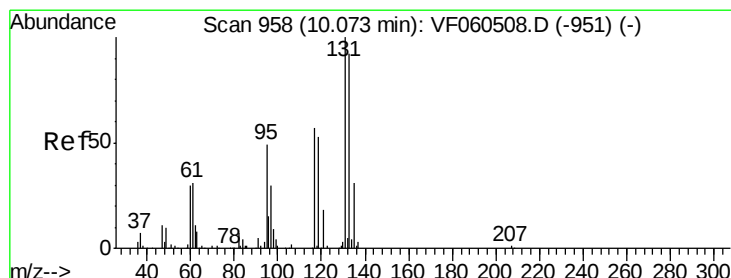
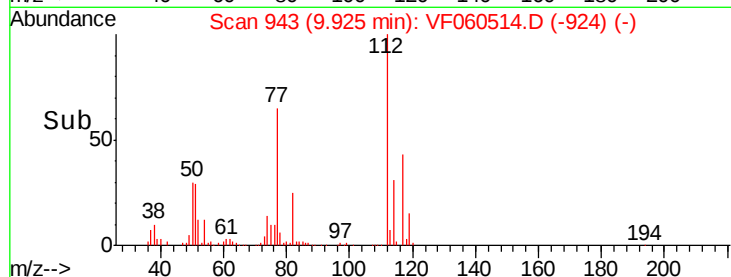
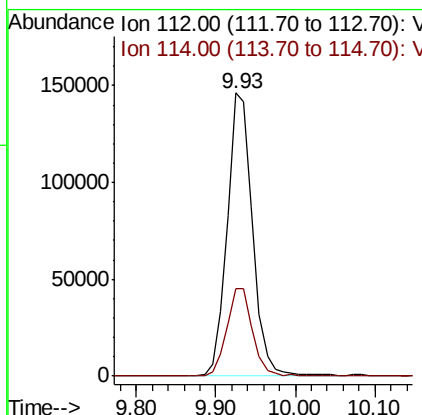
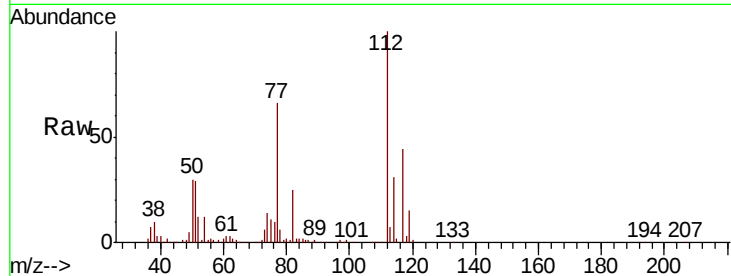




#65
Chlorobenzene
Concen: 47.742 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

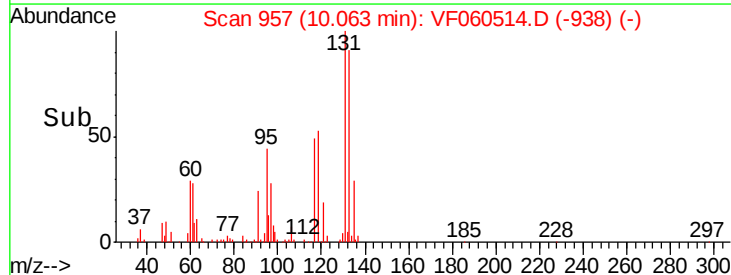
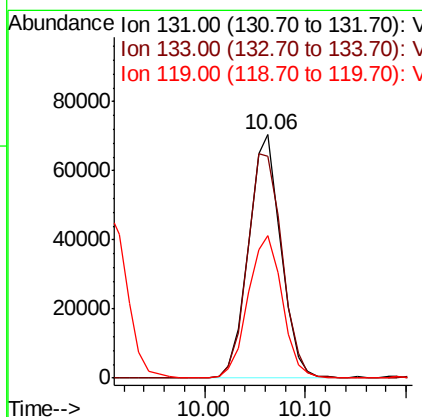
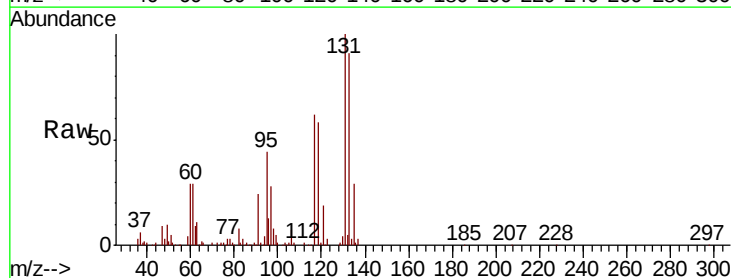
Instrument :
MSVOA_F
ClientSampleId :
ICVVF102518

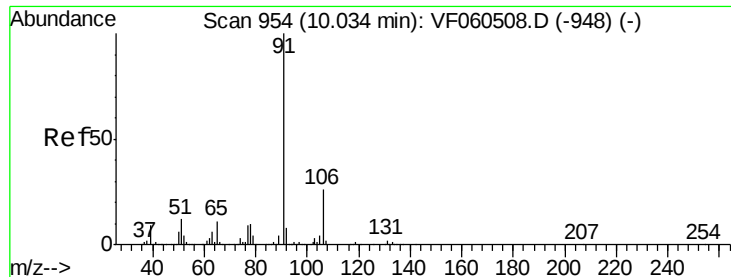
Tot Ion:112 Resp: 327596
Ion Ratio Lower Upper
112 100
114 31.1 27.7 41.5



#66
1,1,1,2-Tetrachloroethane
Concen: 44.466 ug/l
RT: 10.06 min Scan# 957
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Tgt Ion:131 Resp: 157945
Ion Ratio Lower Upper
131 100
133 91.1 46.1 138.2
119 58.3 27.0 80.8





#67

Ethyl Benzene

Concen: 45.574 ug/l

RT: 10.02 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

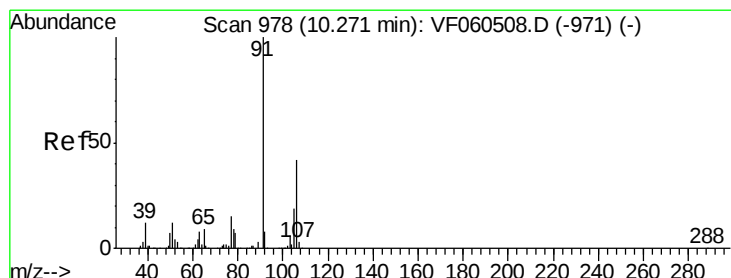
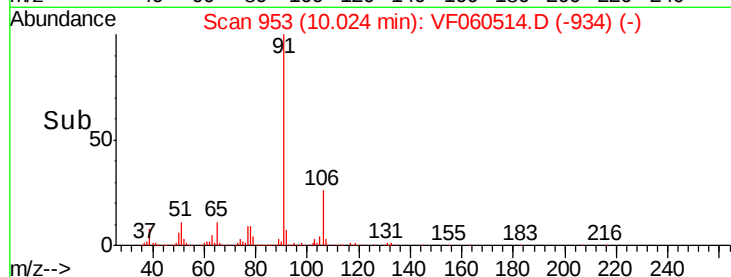
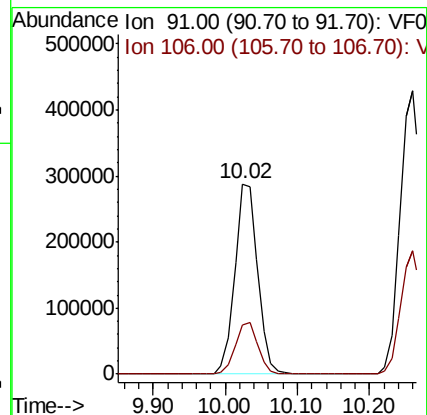
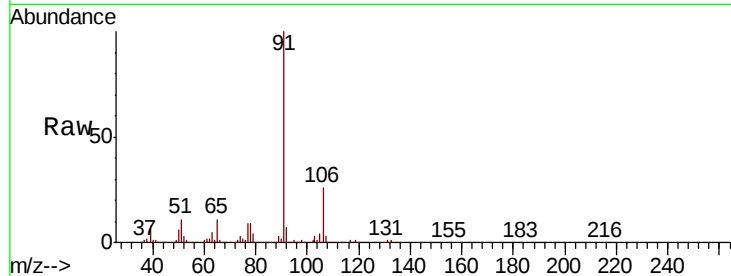
ICVVF102518

Tot Ion: 91 Resp: 638614

Ion Ratio Lower Upper

91 100

106 26.0 20.7 31.1



#68

m/p-Xylenes

Concen: 90.616 ug/l

RT: 10.26 min Scan# 977

Delta R.T. -0.01 min

Lab File: VF060514.D

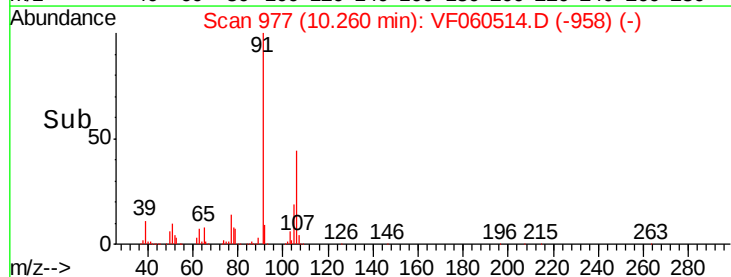
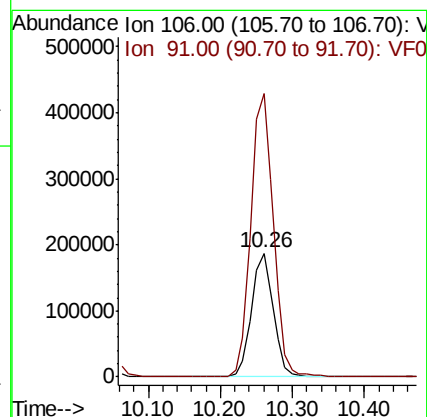
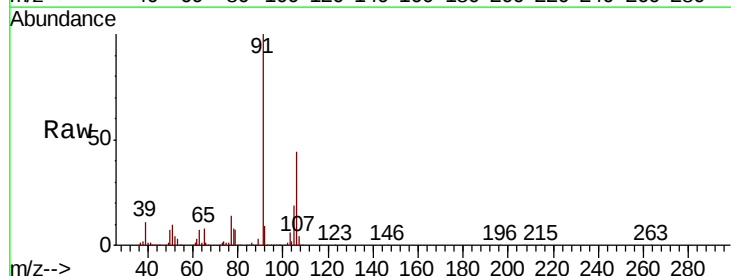
Acq: 26 Oct 2018 11:01

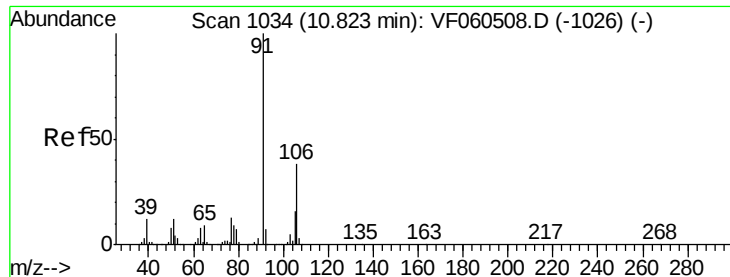
Tgt Ion: 106 Resp: 398630

Ion Ratio Lower Upper

106 100

91 229.2 192.5 288.7

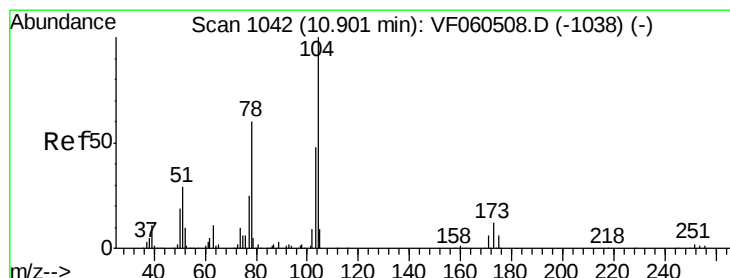
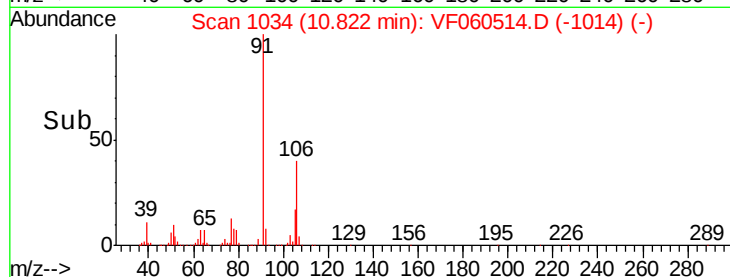
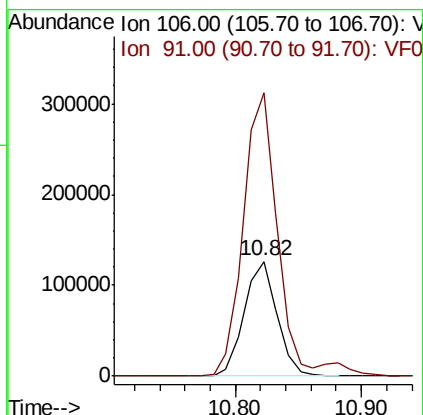
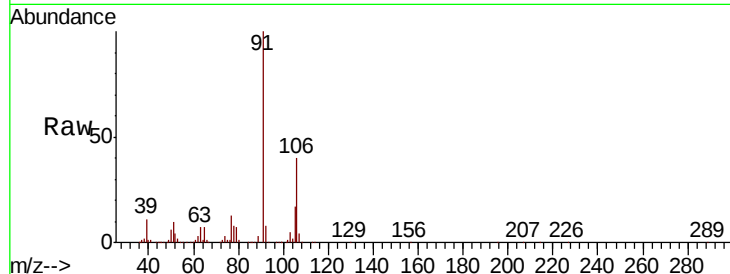




#69
o-Xylene
Concen: 46.212 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

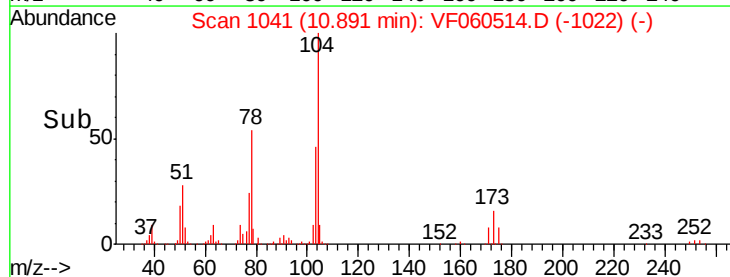
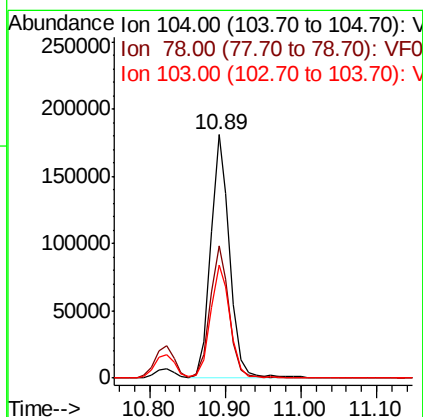
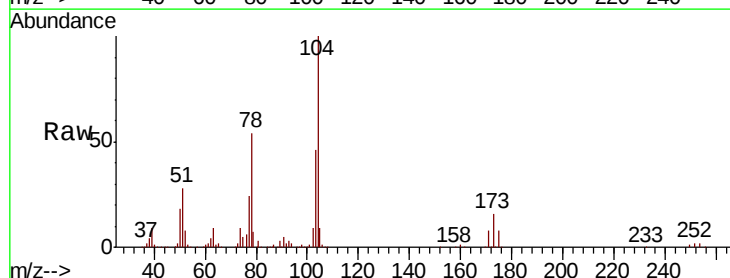
Instrument :
MSVOA_F
ClientSampleId :
ICVVF102518

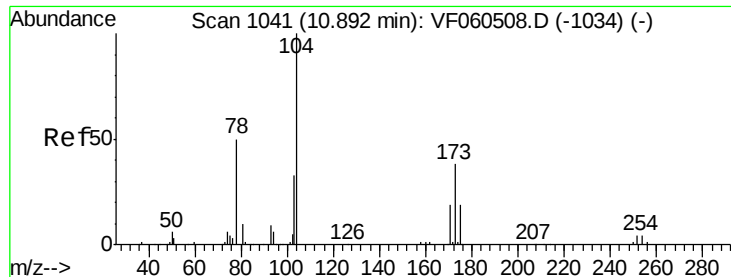
Tot Ion:106 Resp: 228042
Ion Ratio Lower Upper
106 100
91 247.4 130.9 392.7



#70
Styrene
Concen: 46.009 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Tgt Ion:104 Resp: 316964
Ion Ratio Lower Upper
104 100
78 54.4 48.7 73.1
103 46.5 38.8 58.2

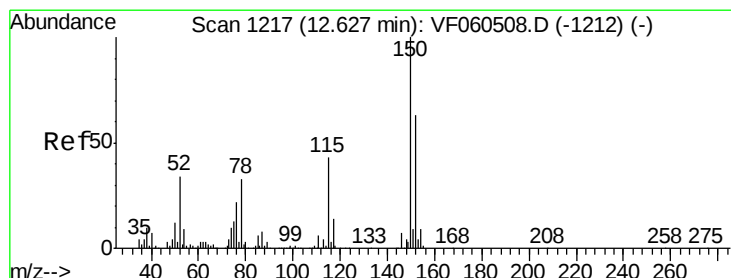
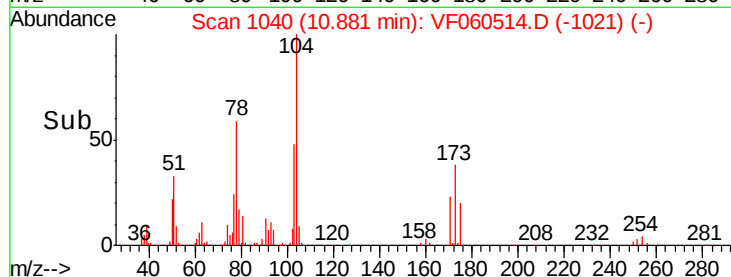
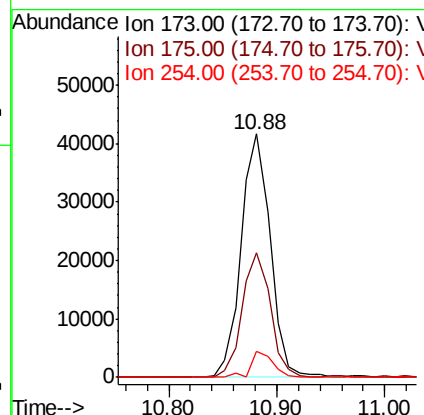
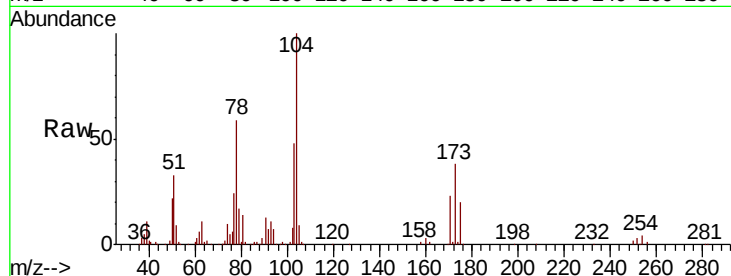




#71
Bromoform
Concen: 41.216 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

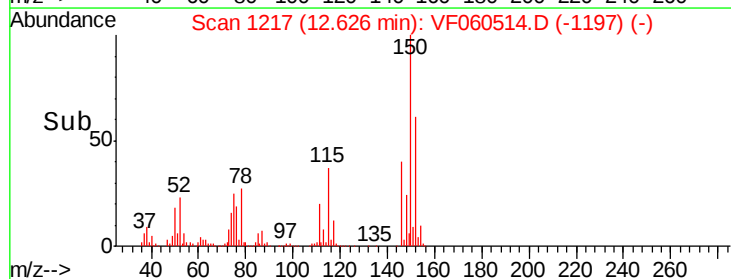
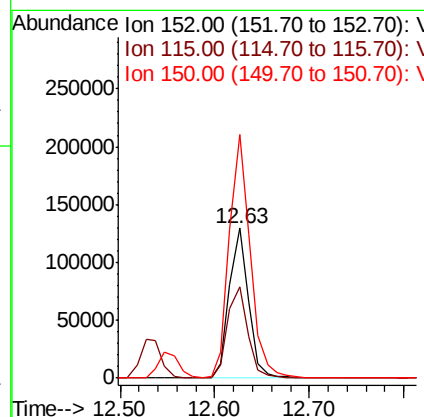
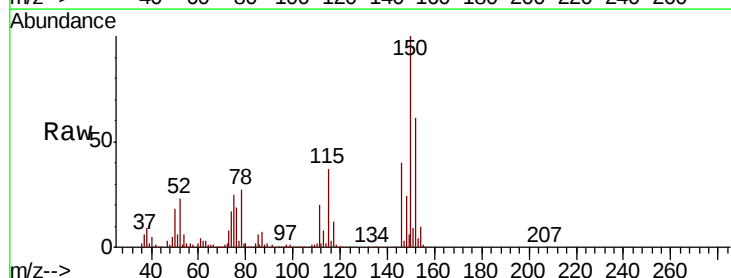
Instrument :
MSVOA_F
ClientSampleId :
ICVVF102518

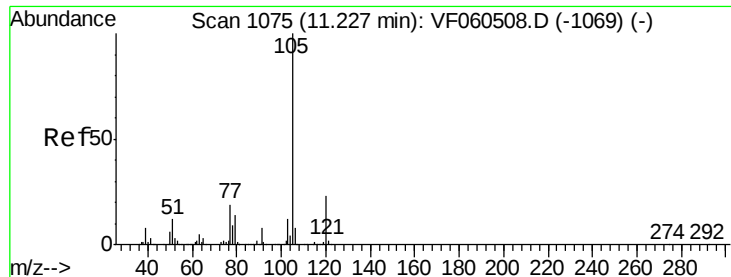
Tot Ion:173 Resp: 77899
Ion Ratio Lower Upper
173 100
175 51.1 25.5 76.5
254 10.9 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Tgt Ion:152 Resp: 183344
Ion Ratio Lower Upper
152 100
115 60.8 34.6 103.9
150 162.6 0.0 319.8





#73

Isopropylbenzene

Concen: 52.994 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

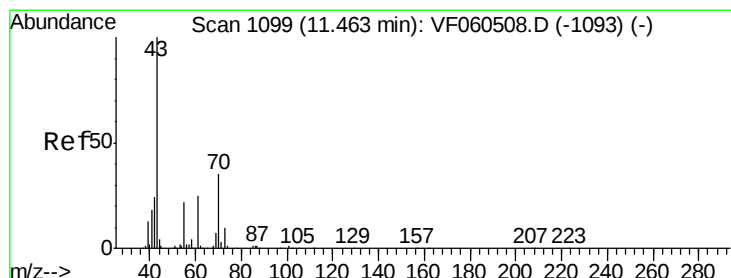
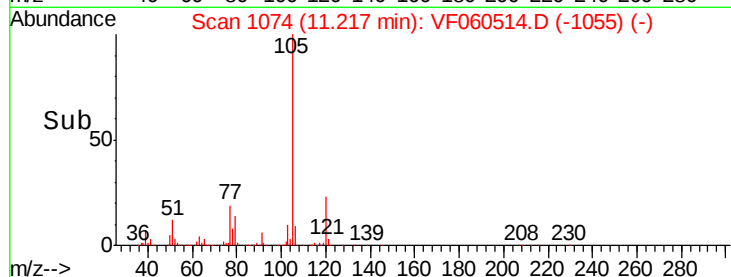
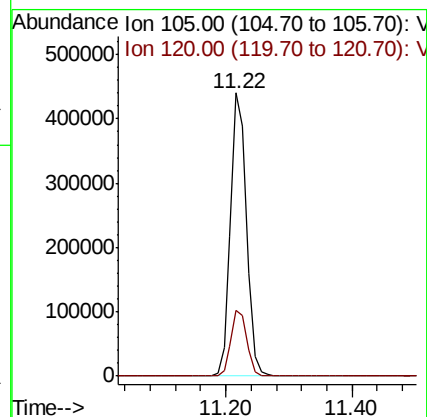
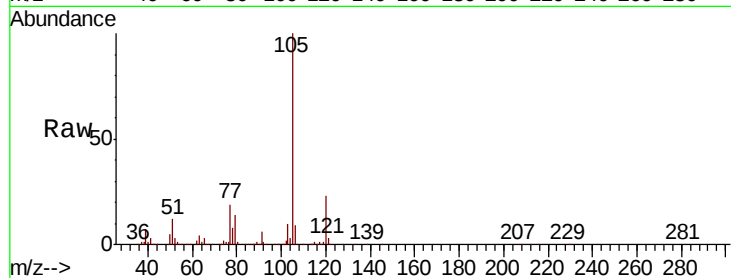
ICVVF102518

Tot Ion:105 Resp: 771831

Ion Ratio Lower Upper

105 100

120 23.3 11.6 34.7



#74

N-ethyl acetate

Concen: 55.209 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Tgt Ion: 43 Resp: 142795

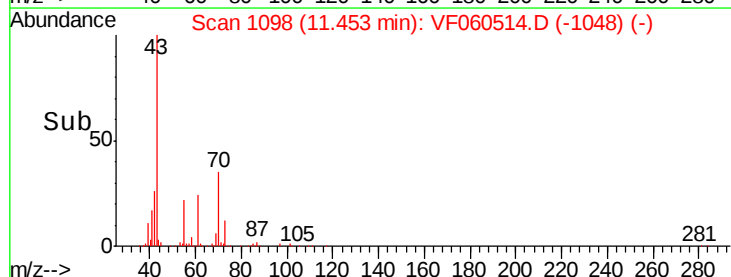
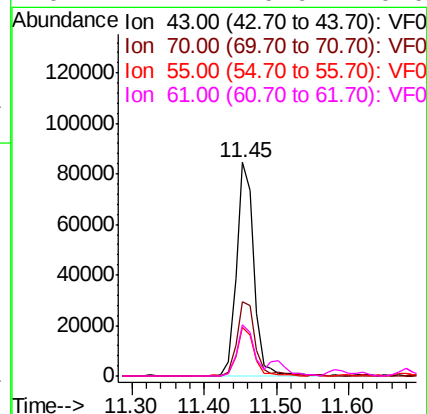
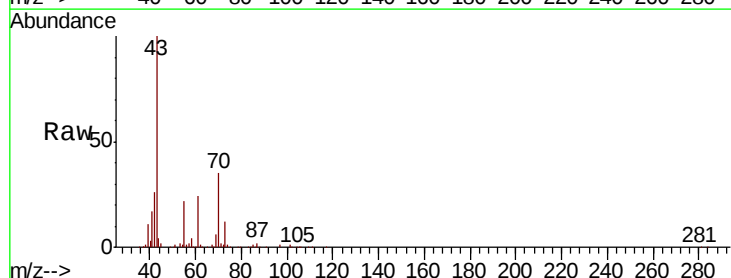
Ion Ratio Lower Upper

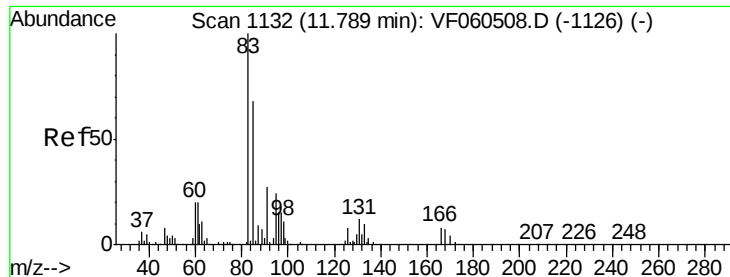
43 100

70 34.9 28.2 42.2

55 22.5 17.9 26.9

61 24.2 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 54.740 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

ICVVF102518

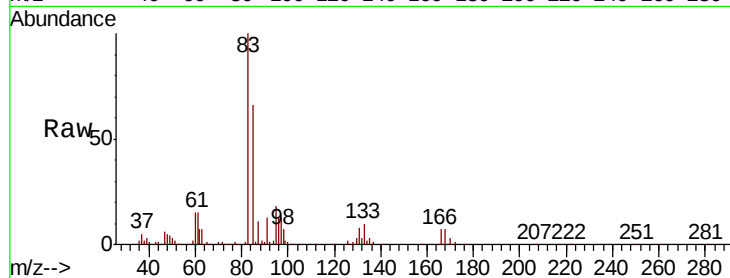
Tot Ion: 83 Resp: 114878

Ion Ratio Lower Upper

83 100

131 7.6 5.8 17.4

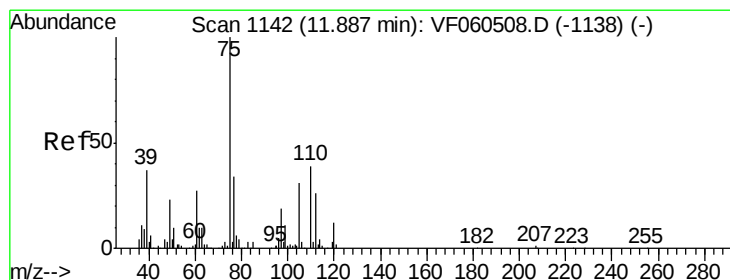
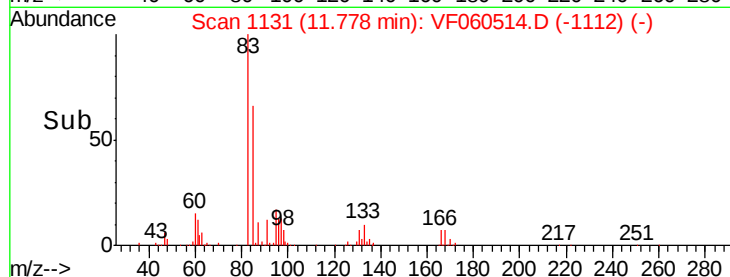
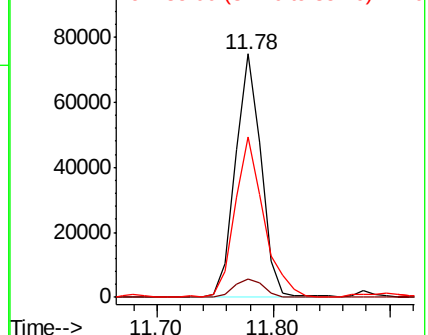
85 65.8 34.2 102.6



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: 47.347 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060514.D

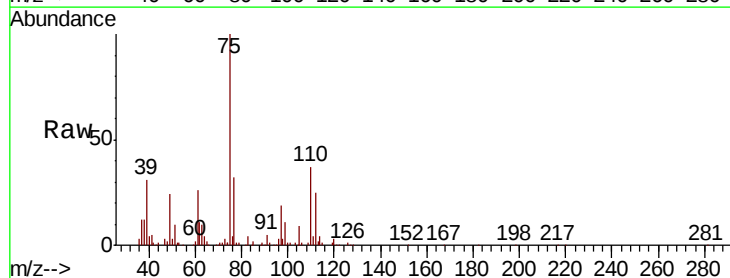
Acq: 26 Oct 2018 11:01

Tgt Ion: 75 Resp: 86752

Ion Ratio Lower Upper

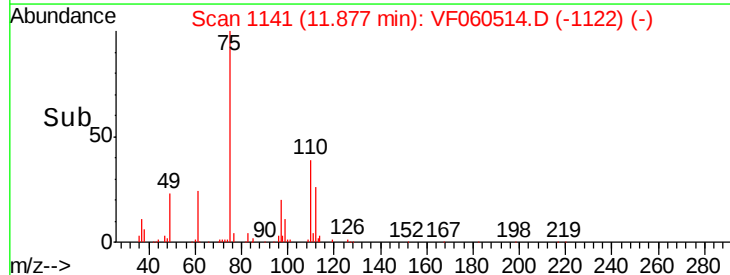
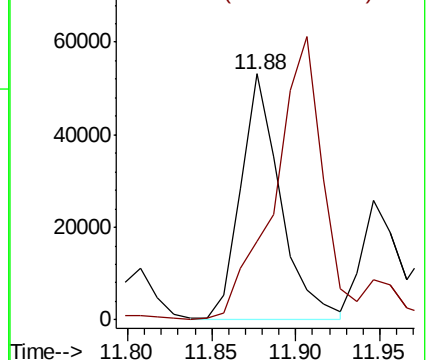
75 100

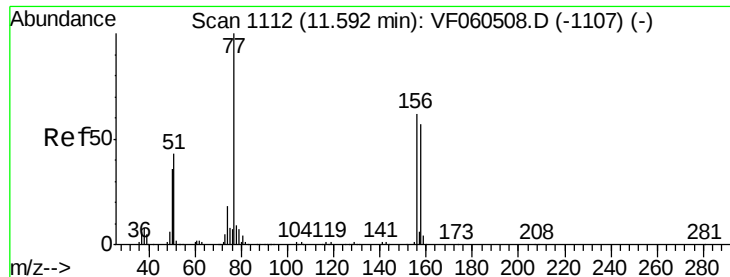
77 31.8 17.2 51.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.327 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

ICVVF102518

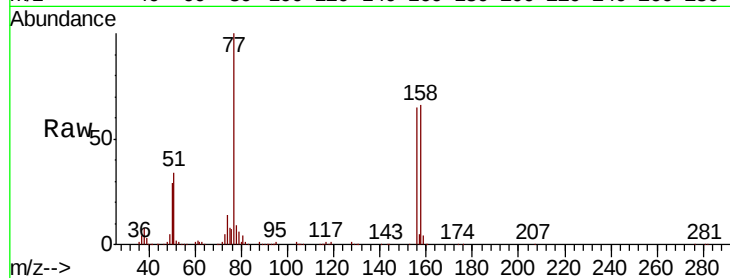
Tot Ion:156 Resp: 155856

Ion Ratio Lower Upper

156 100

77 153.4 80.1 240.3

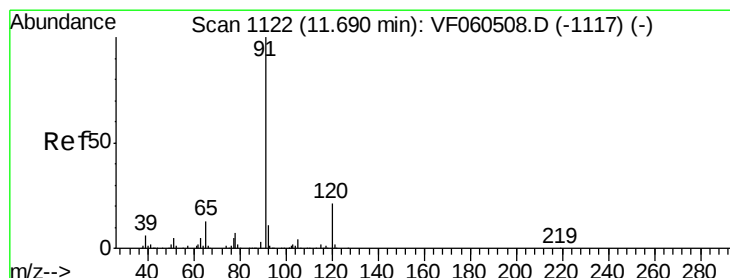
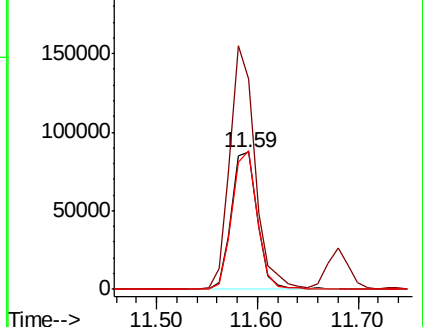
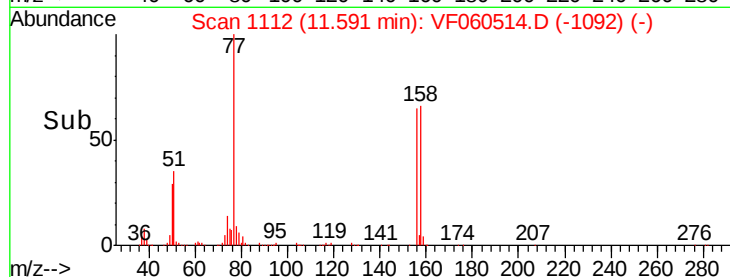
158 101.6 45.9 137.6



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: 50.621 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF060514.D

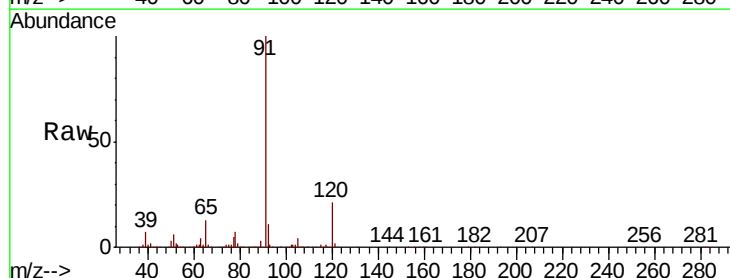
Acq: 26 Oct 2018 11:01

Tgt Ion: 91 Resp: 861941

Ion Ratio Lower Upper

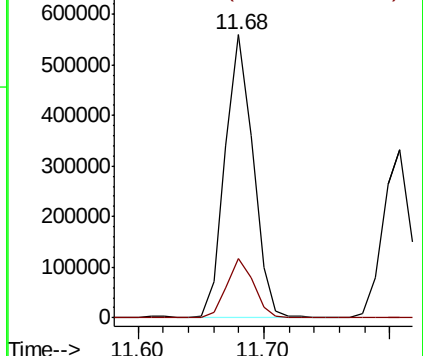
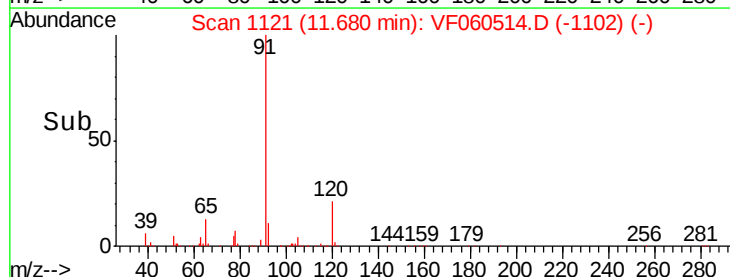
91 100

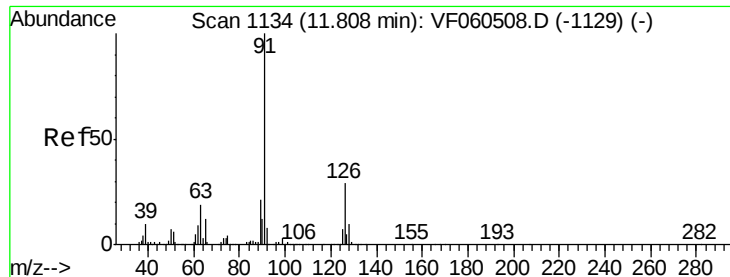
120 20.9 10.3 30.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

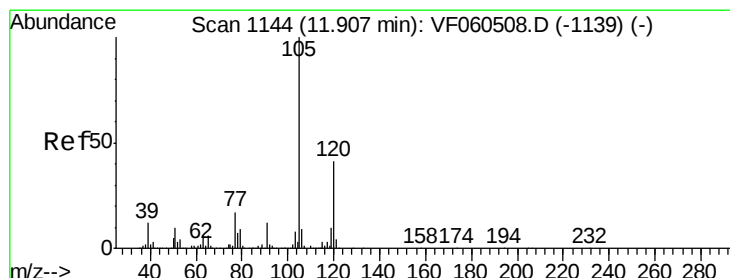
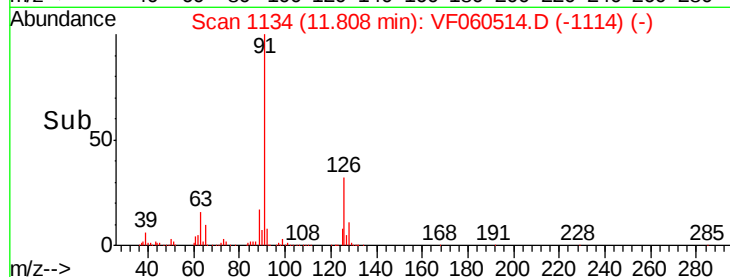
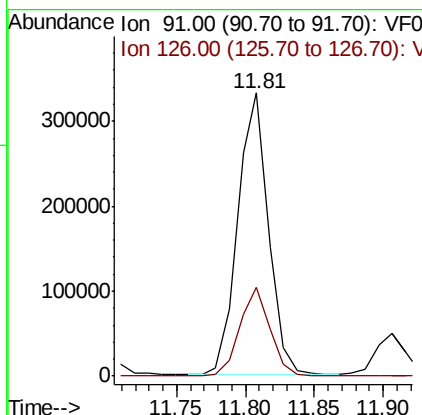
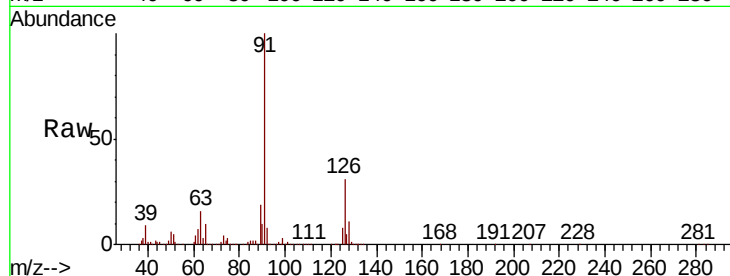




#79
 2-Chlorotoluene
 Concen: 49.902 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.00 min
 Lab File: VF060514.D
 Acq: 26 Oct 2018 11:01

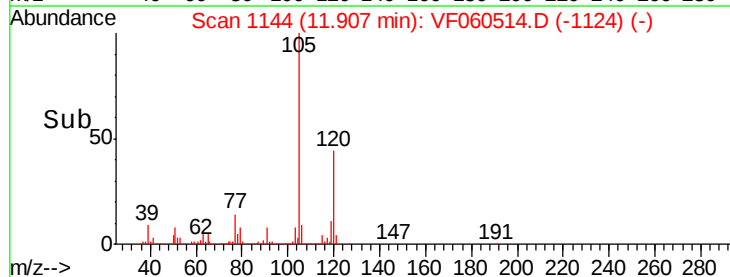
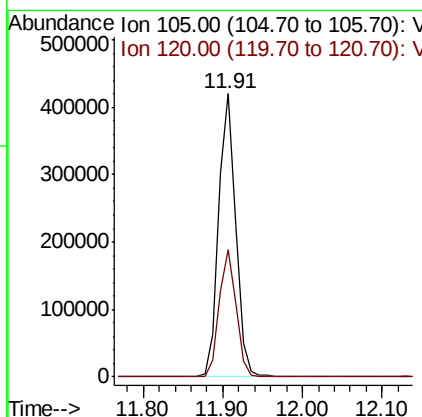
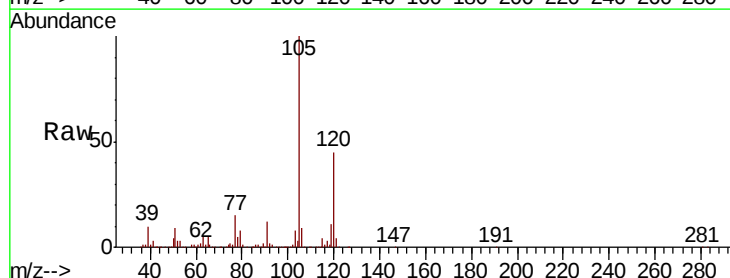
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF102518

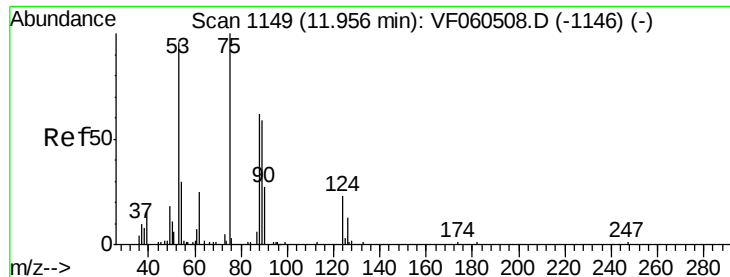
Tot Ion: 91 Resp: 514923
 Ion Ratio Lower Upper
 91 100
 126 31.5 14.4 43.2



#80
 1,3,5-Trimethylbenzene
 Concen: 50.074 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VF060514.D
 Acq: 26 Oct 2018 11:01

Tgt Ion: 105 Resp: 640487
 Ion Ratio Lower Upper
 105 100
 120 44.8 20.6 61.9





#81

trans-1,4-Dichloro-2-butene

Concen: 75.681 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

ICVVF102518

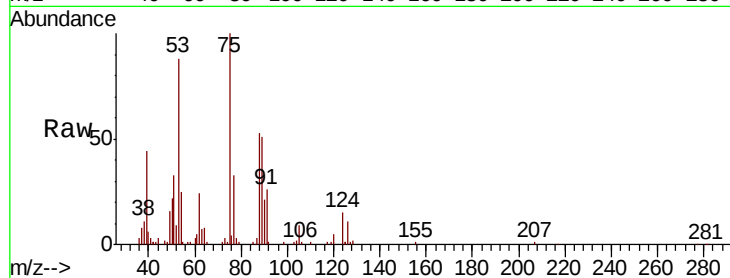
Tot Ion: 75 Resp: 58329

Ion Ratio Lower Upper

75 100

53 88.5 85.0 127.6

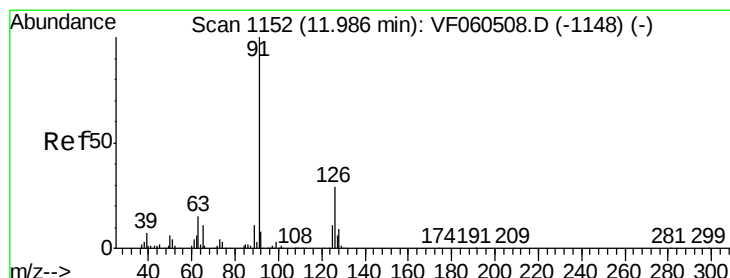
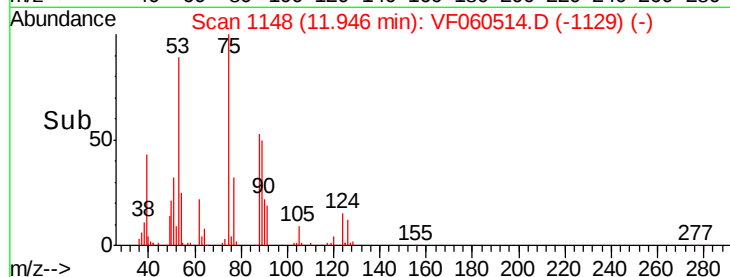
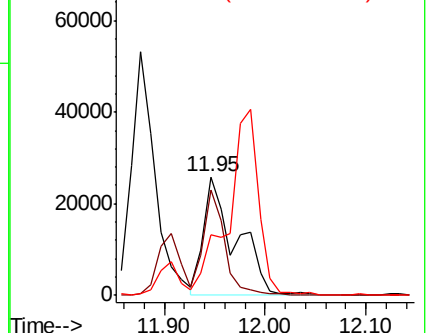
89 51.3 50.2 75.4



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: 47.572 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF060514.D

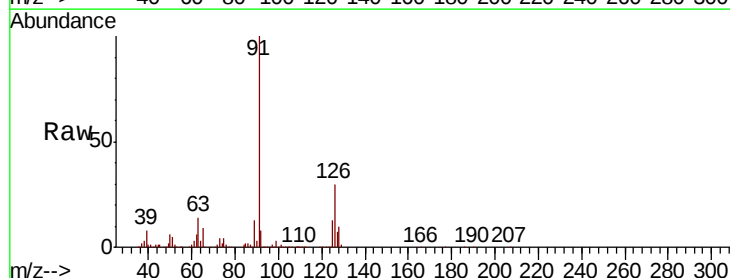
Acq: 26 Oct 2018 11:01

Tgt Ion: 91 Resp: 518654

Ion Ratio Lower Upper

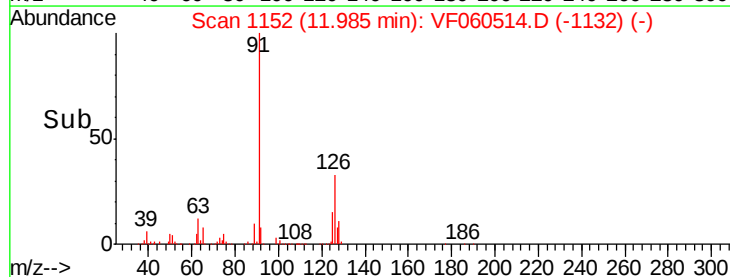
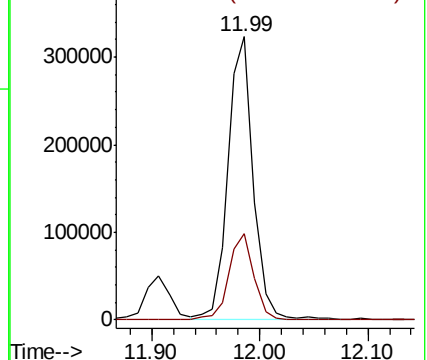
91 100

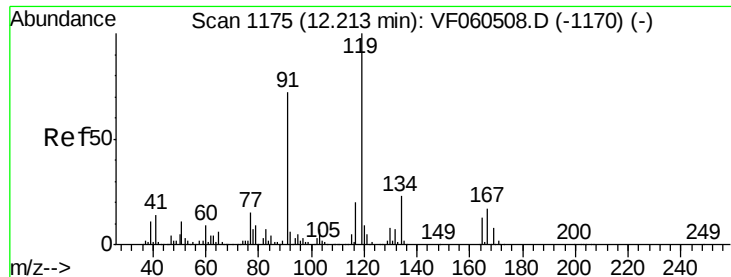
126 30.5 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

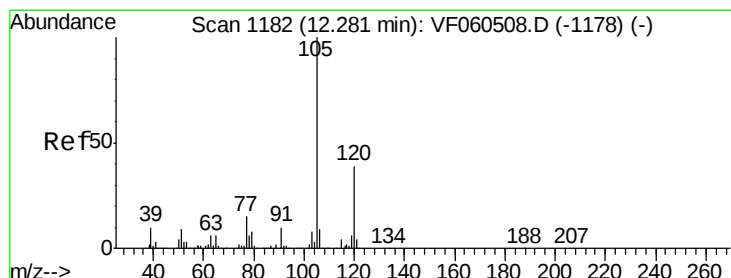
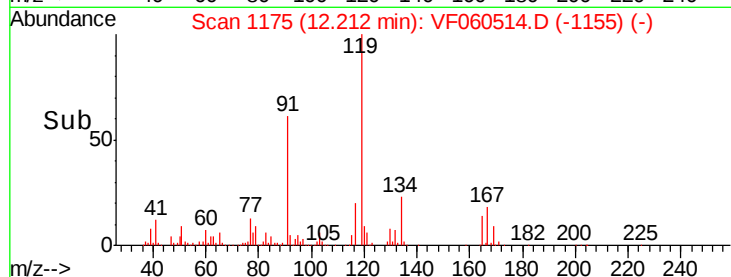
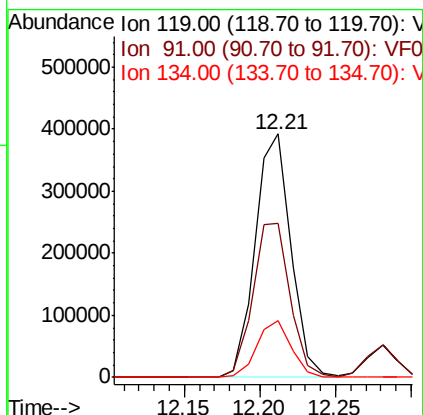
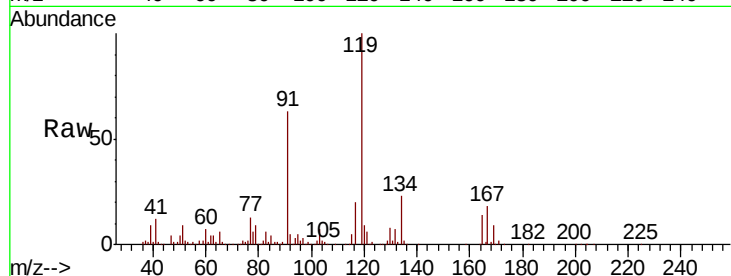




#83
 tert-Butylbenzene
 Concen: 50.209 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF060514.D
 Acq: 26 Oct 2018 11:01

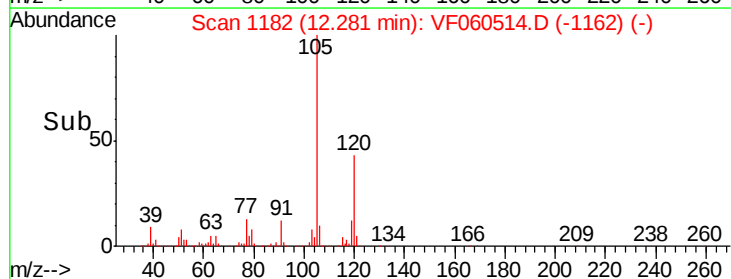
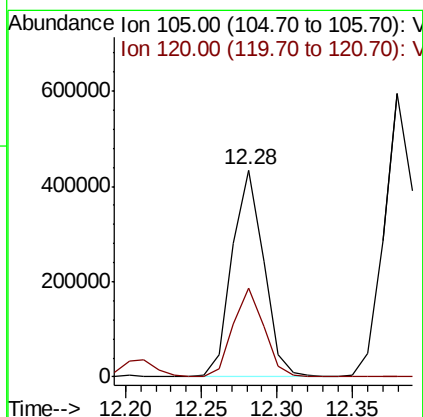
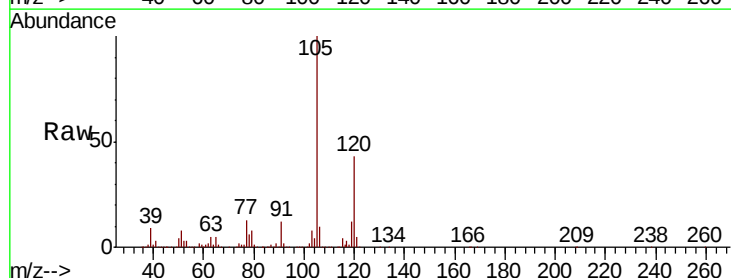
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF102518

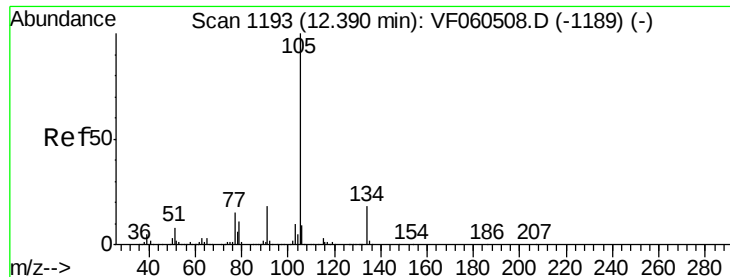
Tot Ion:119 Resp: 648710
 Ion Ratio Lower Upper
 119 100
 91 63.1 36.3 108.9
 134 23.2 11.4 34.2



#84
 1,2,4-Trimethylbenzene
 Concen: 49.691 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VF060514.D
 Acq: 26 Oct 2018 11:01

Tgt Ion:105 Resp: 630032
 Ion Ratio Lower Upper
 105 100
 120 43.1 19.4 58.1





#85

sec-Butylbenzene

Concen: 49.007 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

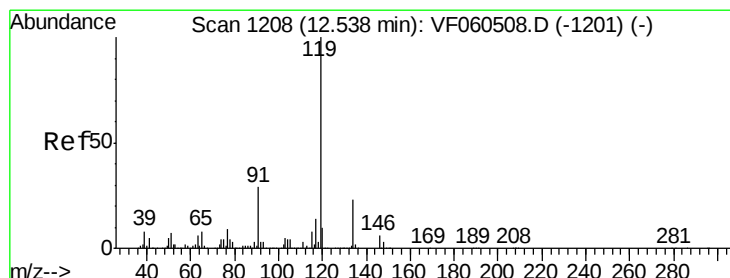
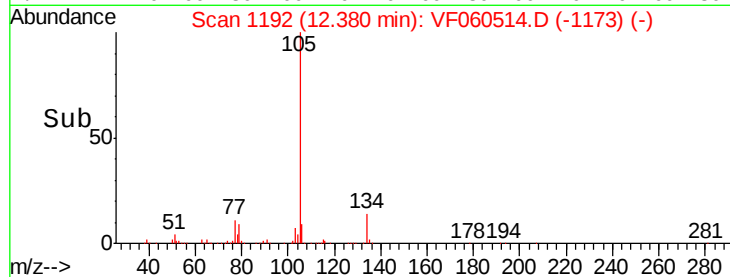
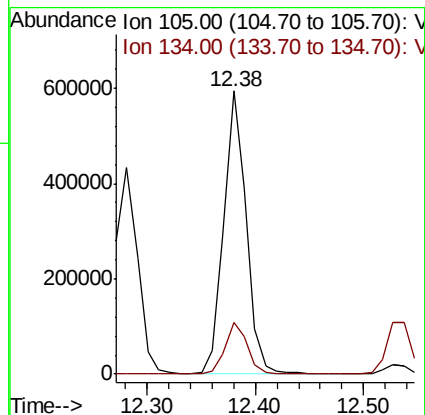
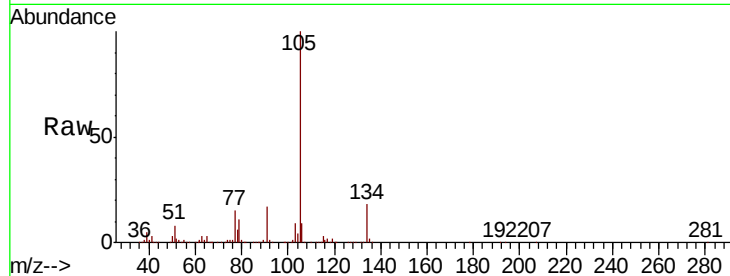
ICVVF102518

Tot Ion:105 Resp: 849777

Ion Ratio Lower Upper

105 100

134 18.2 9.2 27.4



#86

p-Isopropyltoluene

Concen: 49.185 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

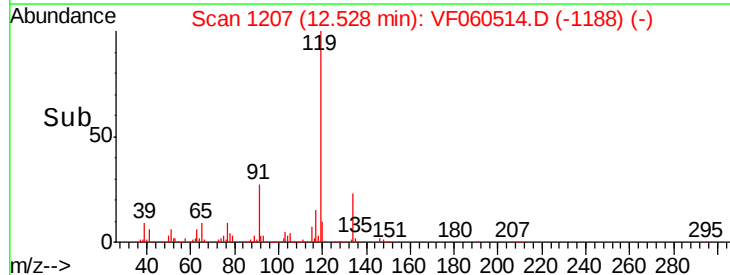
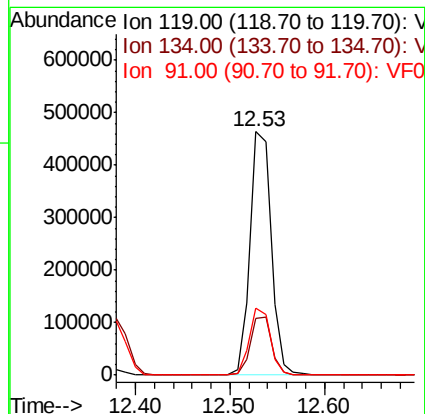
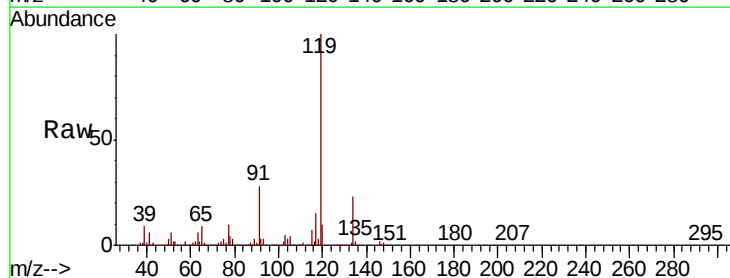
Tgt Ion:119 Resp: 724573

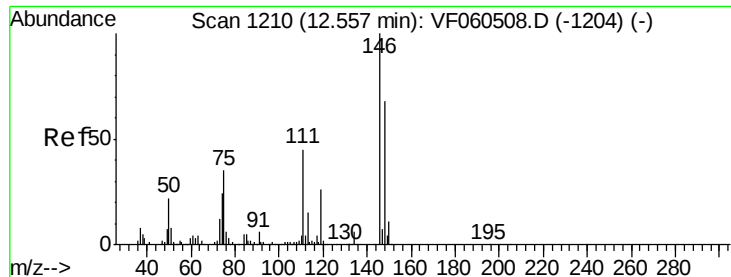
Ion Ratio Lower Upper

119 100

134 23.4 11.7 35.0

91 27.6 14.4 43.4

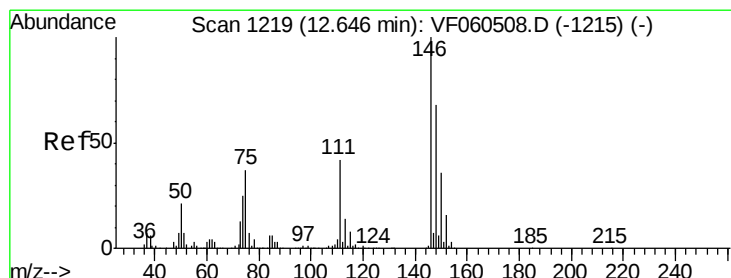
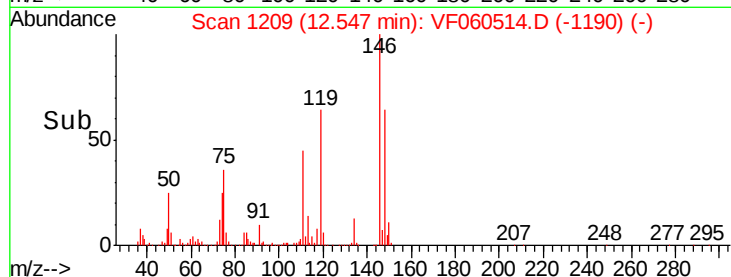
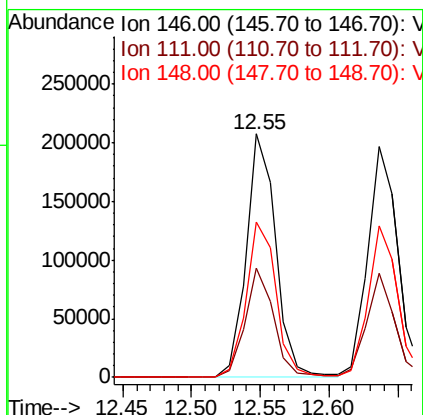
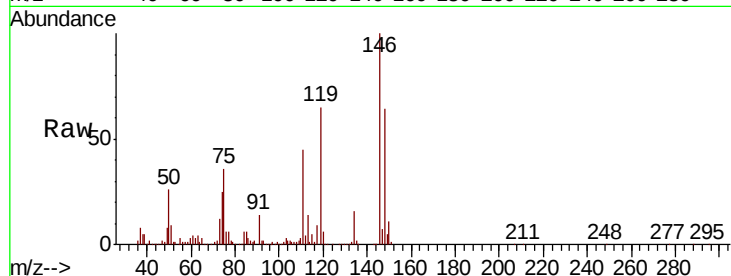




#87
 1,3-Dichlorobenzene
 Concen: 50.577 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060514.D
 Acq: 26 Oct 2018 11:01

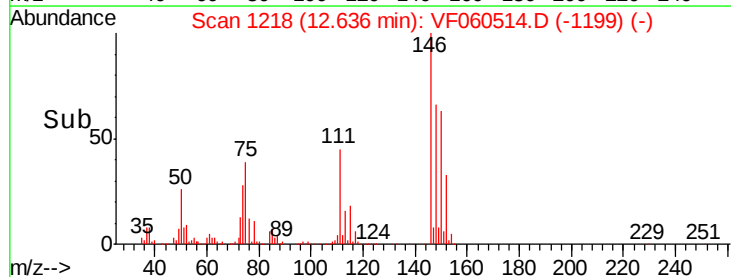
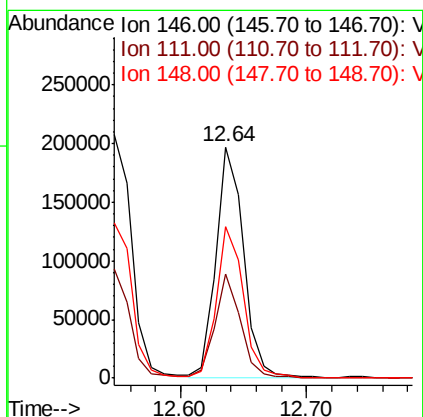
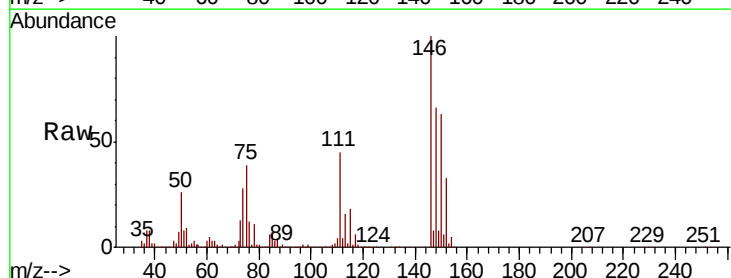
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF102518

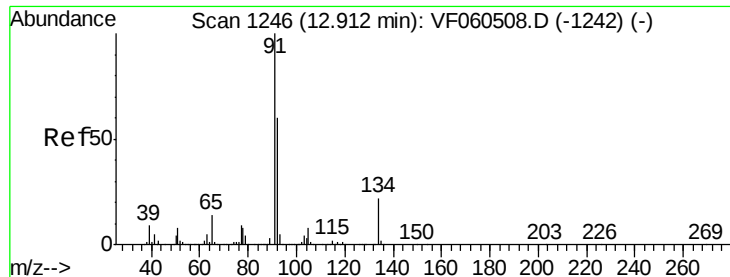
Tot Ion:146 Resp: 312152
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.3 66.8
 148 63.8 34.1 102.3



#88
 1,4-Dichlorobenzene
 Concen: 50.038 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060514.D
 Acq: 26 Oct 2018 11:01

Tgt Ion:146 Resp: 299152
 Ion Ratio Lower Upper
 146 100
 111 45.2 21.1 63.3
 148 65.6 33.9 101.7





#89

n-Butylbenzene

Concen: 48.929 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

ICVVF102518

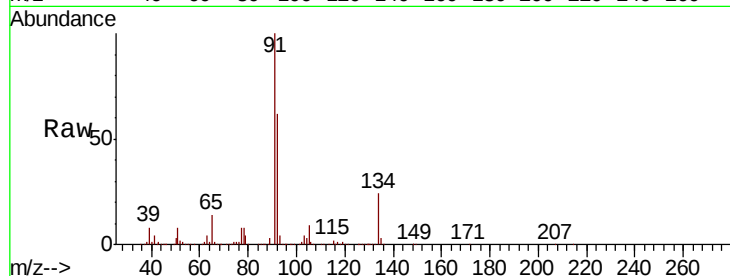
Tot Ion: 91 Resp: 766728

Ion Ratio Lower Upper

91 100

92 61.6 29.8 89.3

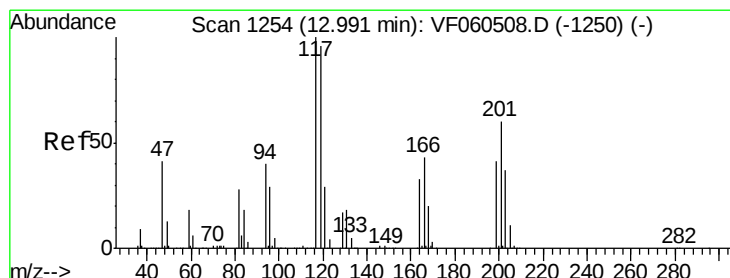
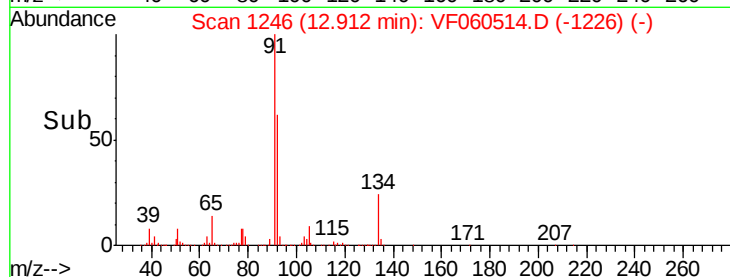
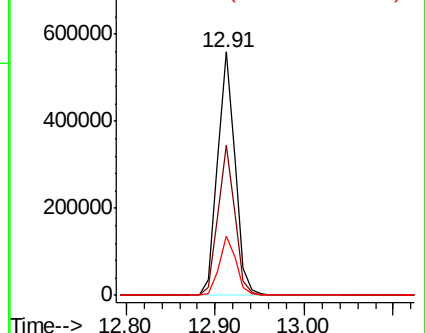
134 24.3 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 49.608 ug/l

RT: 12.99 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF060514.D

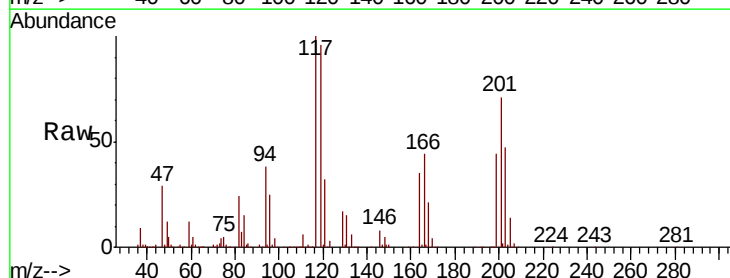
Acq: 26 Oct 2018 11:01

Tgt Ion: 117 Resp: 191757

Ion Ratio Lower Upper

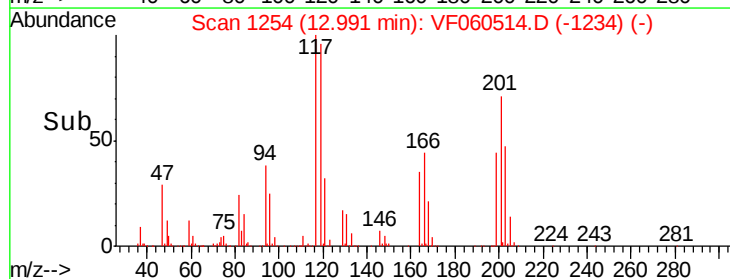
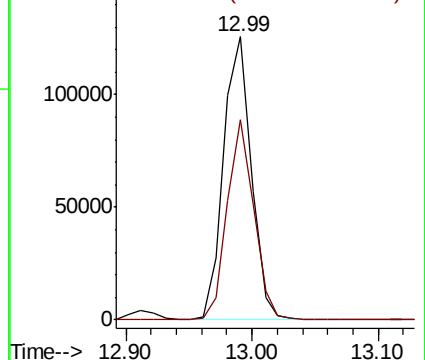
117 100

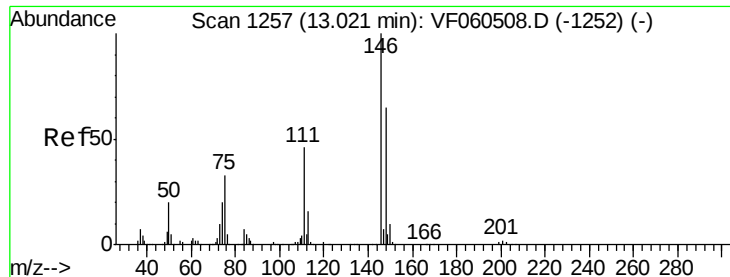
201 70.9 30.1 90.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 50.489 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

Instrument :

MSVOA_F

ClientSampleId :

ICVVF102518

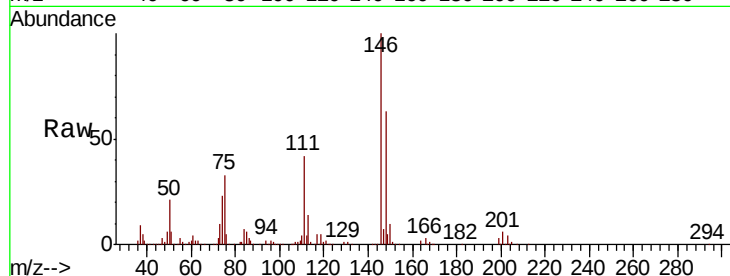
Tot Ion:146 Resp: 298864

Ion Ratio Lower Upper

146 100

111 41.6 22.8 68.4

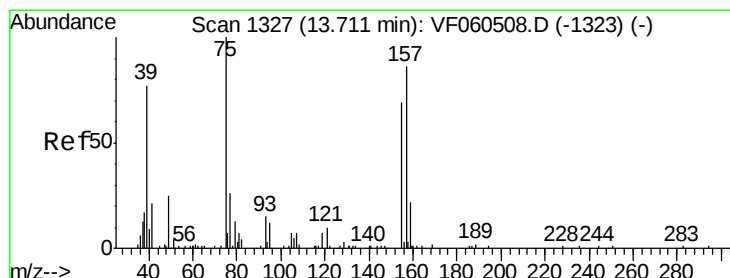
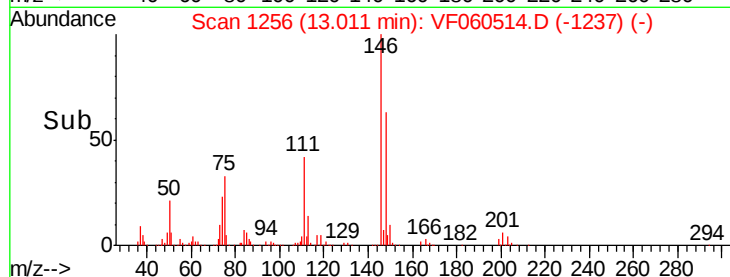
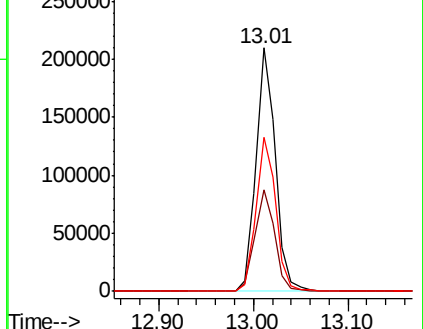
148 63.2 32.3 96.9



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: 51.064 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VF060514.D

Acq: 26 Oct 2018 11:01

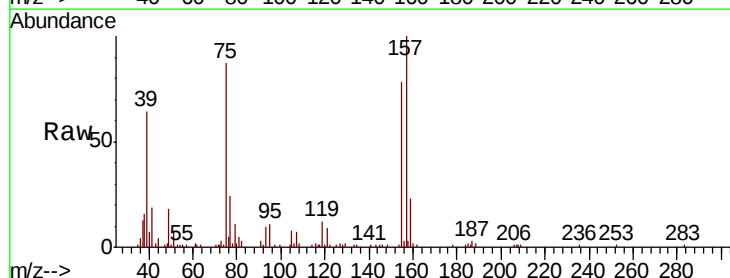
Tgt Ion: 75 Resp: 27318

Ion Ratio Lower Upper

75 100

155 89.1 34.7 104.1

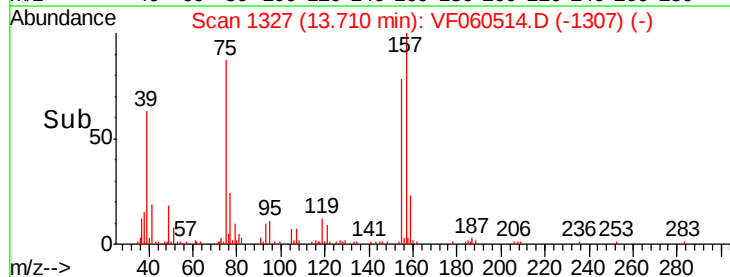
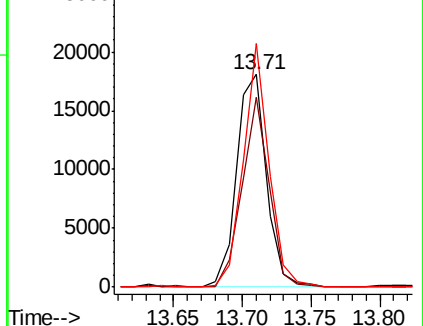
157 114.6 42.9 128.5

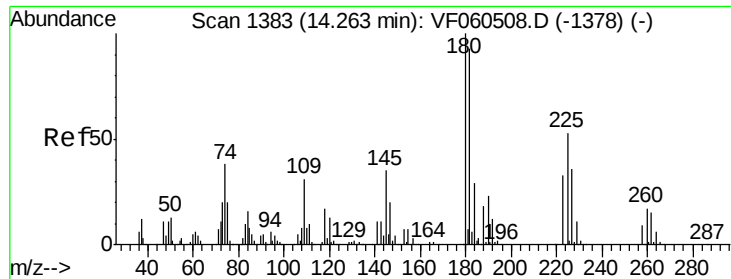


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

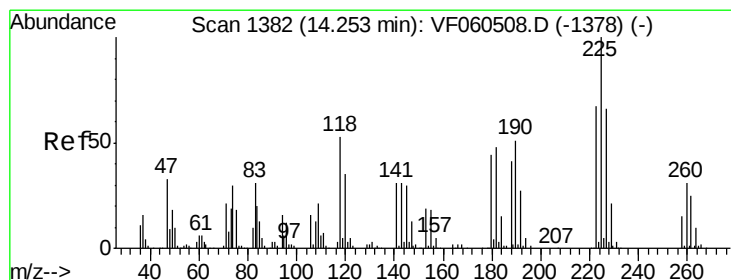
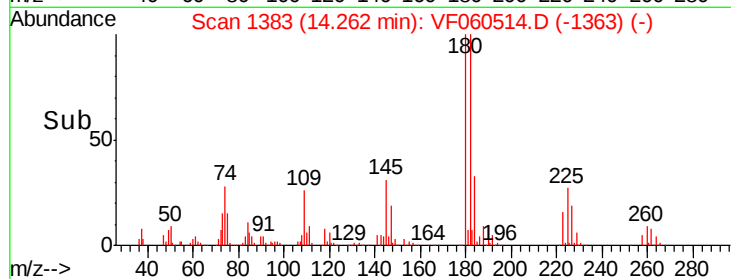
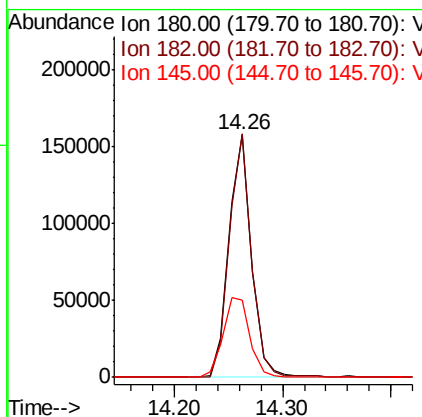
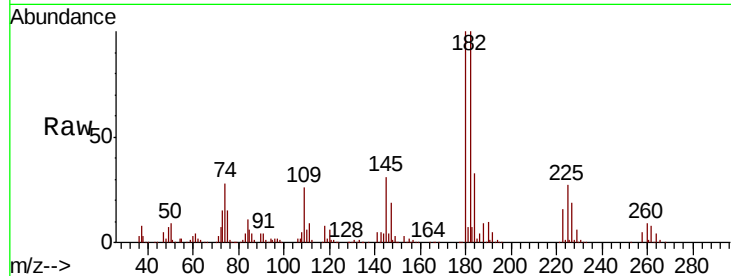




#93
 1,2,4-Trichlorobenzene
 Concen: 47.854 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060514.D
 Acq: 26 Oct 2018 11:01

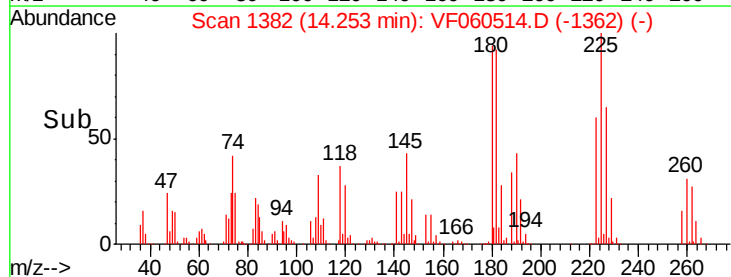
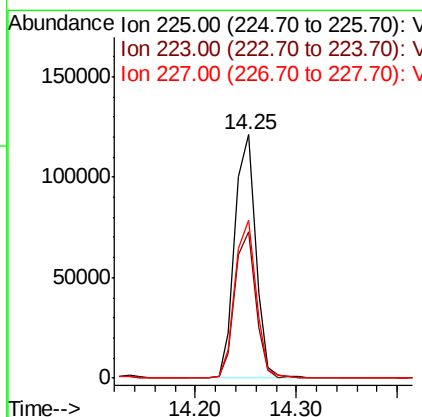
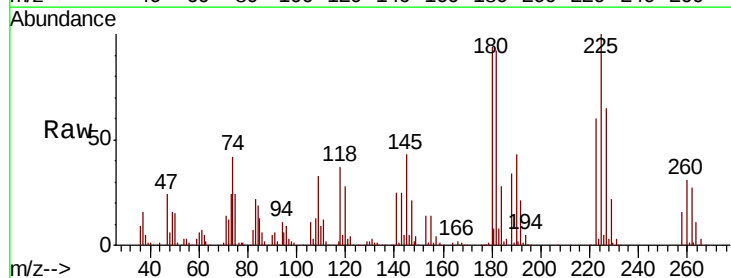
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF102518

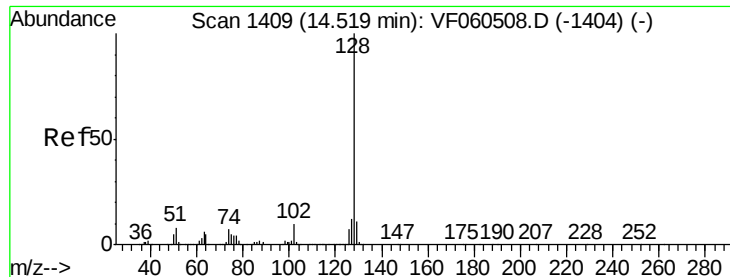
Tot Ion	Ratio	Lower	Upper
180	100		
182	100.4	46.7	140.0
145	31.6	17.3	52.0



#94
 Hexachlorobutadiene
 Concen: 48.759 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060514.D
 Acq: 26 Oct 2018 11:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	33.4	100.2
227	64.9	32.9	98.6

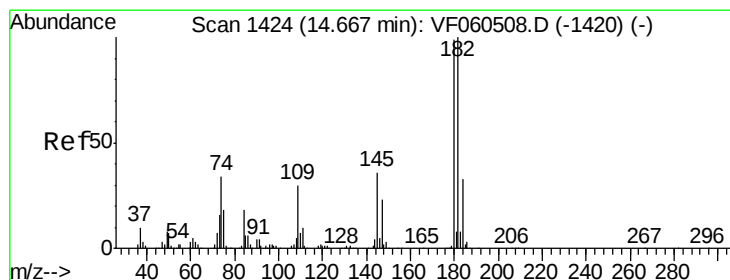
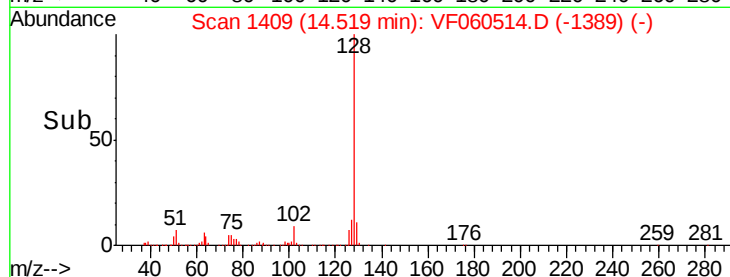
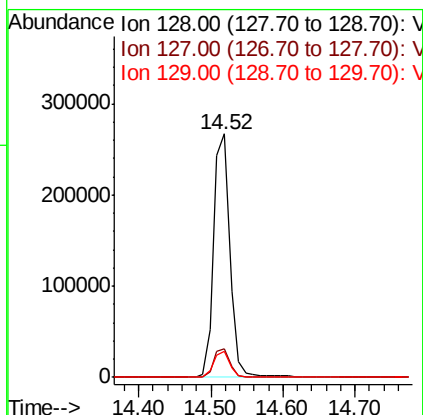
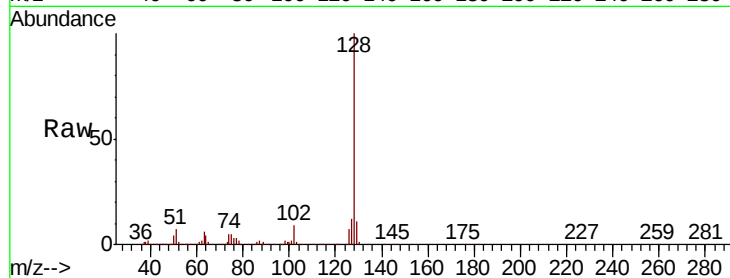




#95
Naphthalene
Concen: 54.333 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Instrument :
MSVOA_F
ClientSampleId :
ICVVF102518

Tot Ion:128 Resp: 413038
Ion Ratio Lower Upper
128 100
127 11.7 10.0 15.0
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 49.473 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VF060514.D
Acq: 26 Oct 2018 11:01

Tgt Ion:180 Resp: 219330
Ion Ratio Lower Upper
180 100
182 99.6 50.7 152.1
145 37.8 18.1 54.4

