

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060417.D
 Acq On : 3 Oct 2018 15:41
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 04 05:20:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	304439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	486530	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	434281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	227555	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	214370	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	
35) Dibromofluoromethane	4.27	113	208545	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
50) Toluene-d8	7.69	98	564550	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.50	95	239010	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	272943	40.659	ug/l	94
3) Chloromethane	1.13	50	185316	44.827	ug/l	100
4) Vinyl Chloride	1.18	62	193118	44.906	ug/l	97
5) Bromomethane	1.36	94	149706	44.943	ug/l	99
6) Chloroethane	1.42	64	95994	44.731	ug/l	96
7) Trichlorofluoromethane	1.53	101	422950	42.390	ug/l	98
8) Diethyl Ether	1.70	74	59659	43.630	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.89	101	199119	41.663	ug/l	94
10) Methyl Iodide	1.96	142	318306	43.673	ug/l	95
11) Tert butyl alcohol	2.68	59	56584	196.372	ug/l #	81
12) 1,1-Dichloroethene	1.85	96	156012	42.248	ug/l	93
13) Acrolein	2.08	56	51858	223.786	ug/l	92
14) Allyl chloride	2.18	41	273813	46.275	ug/l	86
15) Acrylonitrile	3.06	53	109979	222.747	ug/l #	88
16) Acetone	2.33	43	238330	242.143	ug/l #	90
17) Carbon Disulfide	1.89	76	489366	43.763	ug/l	95
18) Methyl Acetate	2.44	43	83599	46.572	ug/l #	87
19) Methyl tert-butyl Ether	2.53	73	380680	42.324	ug/l	98
20) Methylene Chloride	2.27	84	62449	13.945	ug/l	88
21) trans-1,2-Dichloroethene	2.41	96	163641	44.370	ug/l	88
22) Diisopropyl ether	2.91	45	512766	47.742	ug/l	93
23) Vinyl Acetate	3.32	43	952499	223.255	ug/l	97
24) 1,1-Dichloroethane	2.99	63	331263	45.609	ug/l	99
25) 2-Butanone	4.49	43	274640	222.652	ug/l	95
26) 2,2-Dichloropropane	3.75	77	185276	45.040	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	186940	45.334	ug/l	90
28) Bromochloromethane	3.87	49	123665	46.199	ug/l	93
29) Tetrahydrofuran	4.23	42	104072	223.489	ug/l	97
30) Chloroform	4.02	83	385578	43.023	ug/l	91
31) Cyclohexane	3.85	56	250612	48.052	ug/l	93
32) 1,1,1-Trichloroethane	4.26	97	331626	44.467	ug/l	99
36) 1,1-Dichloropropene	4.44	75	291748	48.637	ug/l	99
37) Ethyl Acetate	4.26	43	97707	42.535	ug/l	81
38) Carbon Tetrachloride	4.15	117	358642	49.118	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060417.D
 Acq On : 3 Oct 2018 15:41
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 04 05:20:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	284327	48.350	ug/l	92
40) Benzene	4.79	78	593582	49.846	ug/l	99
41) Methacrylonitrile	4.90	41	55808	45.821	ug/l	94
42) 1,2-Dichloroethane	5.10	62	243050	42.782	ug/l	97
43) Isopropyl Acetate	7.09	43	127969	46.099	ug/l #	94
44) Trichloroethene	5.65	130	183456	48.014	ug/l	93
45) 1,2-Dichloropropane	6.38	63	155378	48.995	ug/l	96
46) Dibromomethane	6.23	93	119365	46.815	ug/l	98
47) Bromodichloromethane	6.53	83	301410	47.731	ug/l	96
48) Methyl methacrylate	6.85	41	88469	44.397	ug/l	96
49) 1,4-Dioxane	6.84	88	16532	962.209	ug/l #	85
51) 4-Methyl-2-Pentanone	8.38	43	450693	228.077	ug/l	96
52) Toluene	7.76	92	398377	49.253	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	237335	47.958	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	279114	48.258	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	121245	47.292	ug/l	91
56) Ethyl methacrylate	8.75	69	141637	48.618	ug/l	94
57) 1,3-Dichloropropane	8.98	76	212911	49.089	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.76	63	67444	226.643	ug/l	100
59) 2-Hexanone	9.61	43	346588	239.124	ug/l	100
60) Dibromochloromethane	8.85	129	185323	48.009	ug/l	98
61) 1,2-Dibromoethane	9.12	107	139738	49.812	ug/l	96
64) Tetrachloroethene	8.28	164	170245	49.314	ug/l	94
65) Chlorobenzene	9.93	112	435888	48.861	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	179501	46.083	ug/l	90
67) Ethyl Benzene	10.02	91	814671	48.029	ug/l	99
68) m/p-Xylenes	10.26	106	575510	98.698	ug/l	92
69) o-Xylene	10.82	106	310256	48.814	ug/l	96
70) Styrene	10.89	104	434167	48.024	ug/l	99
71) Bromoform	10.88	173	95376	45.990	ug/l	97
73) Isopropylbenzene	11.21	105	941645	52.556	ug/l	99
74) N-amyl acetate	11.45	43	192648	46.849	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	164325	50.305	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	111984	46.566	ug/l	96
77) Bromobenzene	11.59	156	190840	47.649	ug/l	93
78) n-propylbenzene	11.67	91	1081301	49.782	ug/l	98
79) 2-Chlorotoluene	11.80	91	621608	48.923	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	737618	48.456	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	73127	68.599	ug/l	90
82) 4-Chlorotoluene	11.98	91	612208	47.092	ug/l	97
83) tert-Butylbenzene	12.21	119	766513	51.052	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	753548	49.915	ug/l	97
85) sec-Butylbenzene	12.37	105	993114	47.920	ug/l	98
86) p-Isopropyltoluene	12.53	119	833180	49.209	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	369203	48.988	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	354448	47.695	ug/l	99
89) n-Butylbenzene	12.91	91	859737	47.986	ug/l	98
90) Hexachloroethane	12.99	117	219222	50.096	ug/l	82
91) 1,2-Dichlorobenzene	13.02	146	364516	50.479	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	30889	48.778	ug/l	93

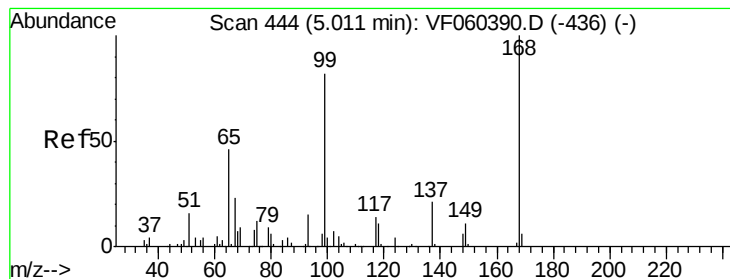
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100318\
Data File : VF060417.D
Acq On : 3 Oct 2018 15:41
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Quant Time: Oct 04 05:20:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	268021	49.658	ug/l	96
94) Hexachlorobutadiene	14.25	225	183226	48.639	ug/l	93
95) Naphthalene	14.51	128	459239	47.588	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	260252	51.439	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

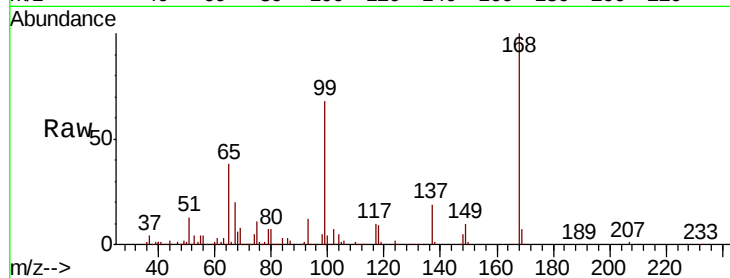
VSTDCCC050

Tot Ion:168 Resp: 304439

Ion Ratio Lower Upper

168 100

99 67.7 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

120000

100000

80000

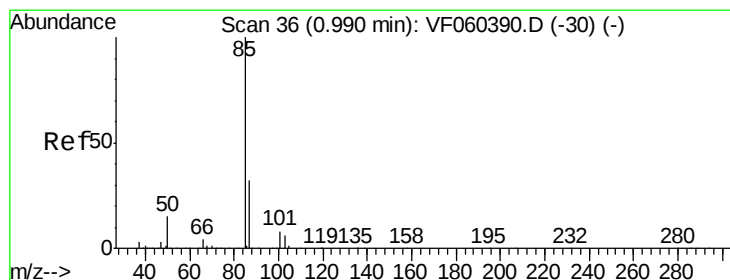
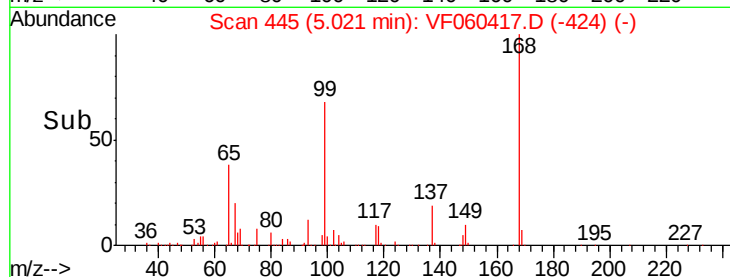
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.659 ug/l

RT: 0.99 min Scan# 36

Delta R.T. 0.00 min

Lab File: VF060417.D

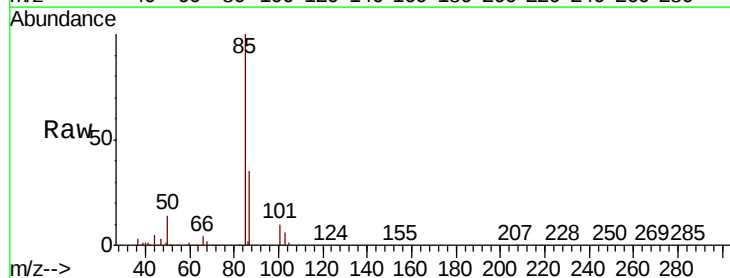
Acq: 3 Oct 2018 15:41

Tgt Ion: 85 Resp: 272943

Ion Ratio Lower Upper

85 100

87 34.9 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

120000

100000

80000

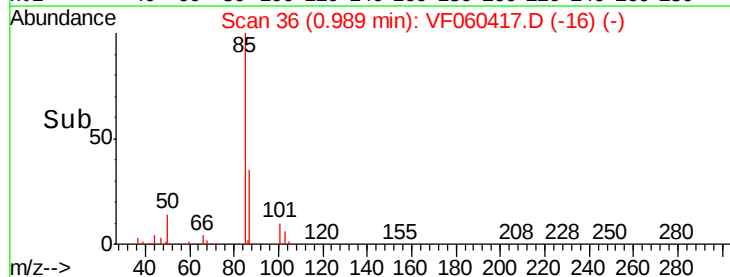
60000

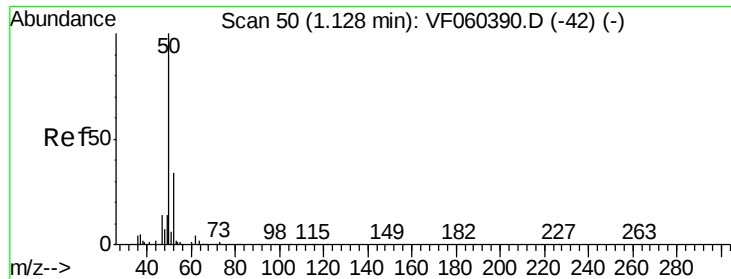
40000

20000

0

Time-->





#3

Chloromethane

Concen: 44.827 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

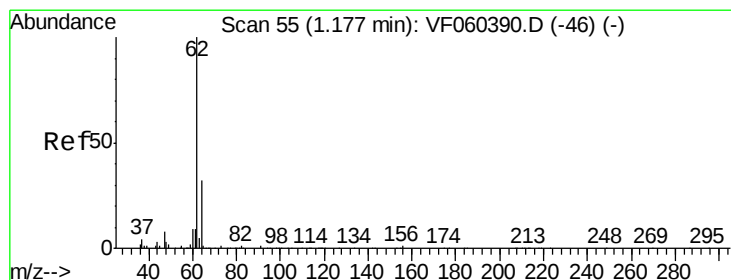
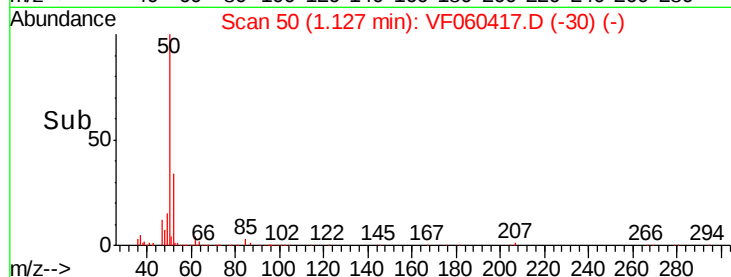
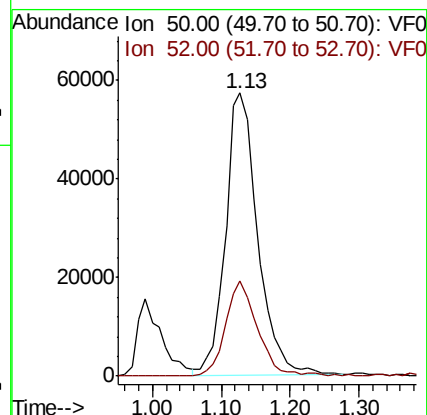
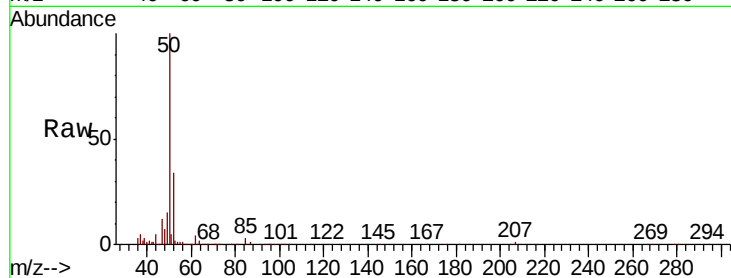
VSTDCCC050

Tot Ion: 50 Resp: 185316

Ion Ratio Lower Upper

50 100

52 33.7 26.9 40.3



#4

Vinyl Chloride

Concen: 44.906 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060417.D

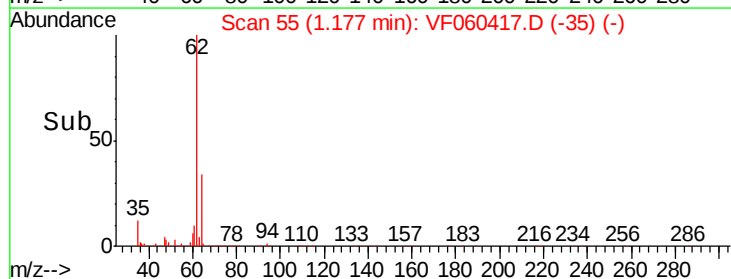
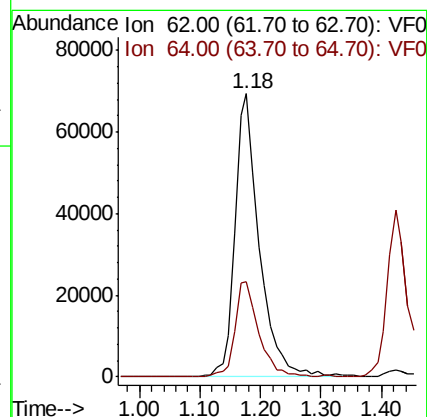
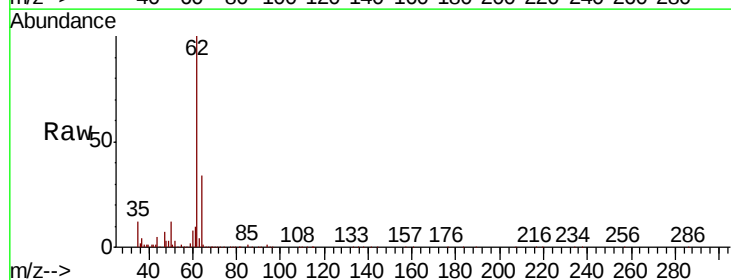
Acq: 3 Oct 2018 15:41

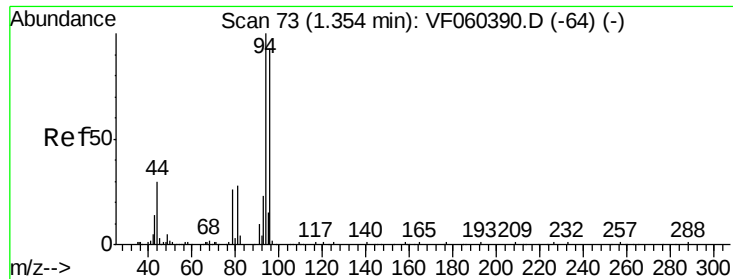
Tgt Ion: 62 Resp: 193118

Ion Ratio Lower Upper

62 100

64 33.7 25.8 38.6





#5

Bromomethane

Concen: 44.943 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

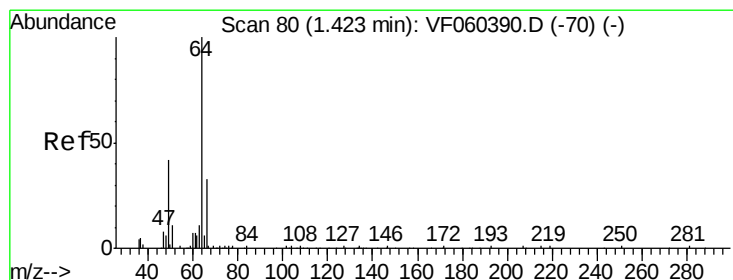
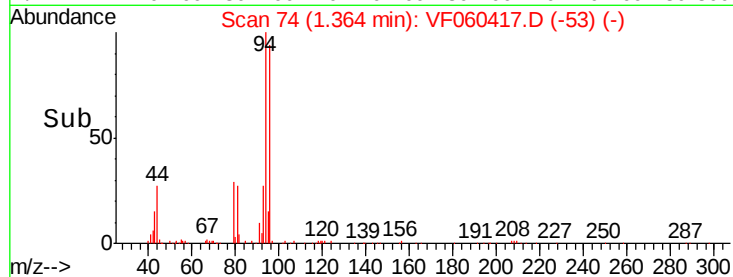
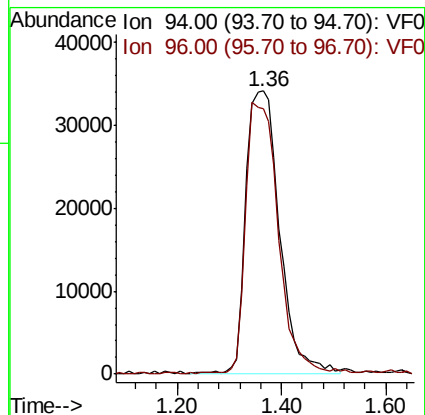
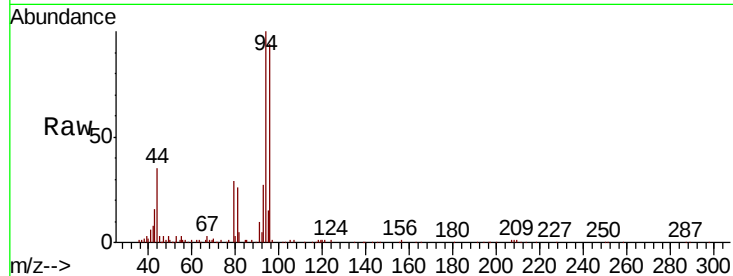
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 149706

Ion Ratio Lower Upper

94 100

96 93.8 74.3 111.5



#6

Chloroethane

Concen: 44.731 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060417.D

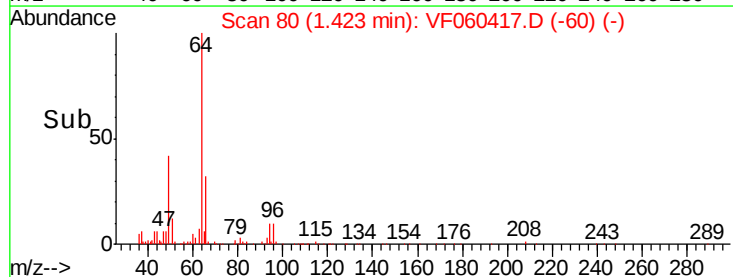
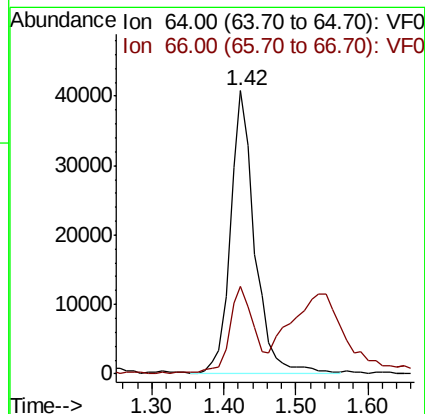
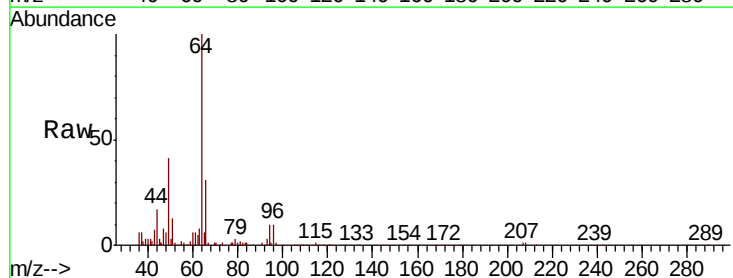
Acq: 3 Oct 2018 15:41

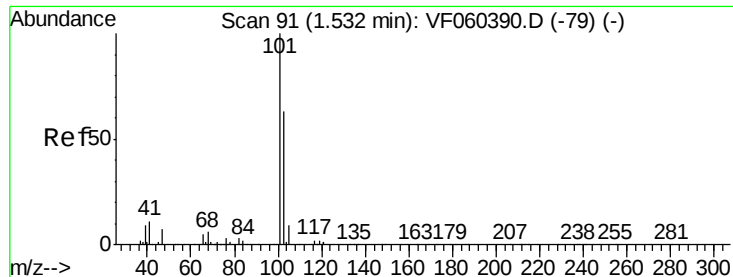
Tgt Ion: 64 Resp: 95994

Ion Ratio Lower Upper

64 100

66 30.7 26.3 39.5





#7

Trichlorofluoromethane

Concen: 42.390 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

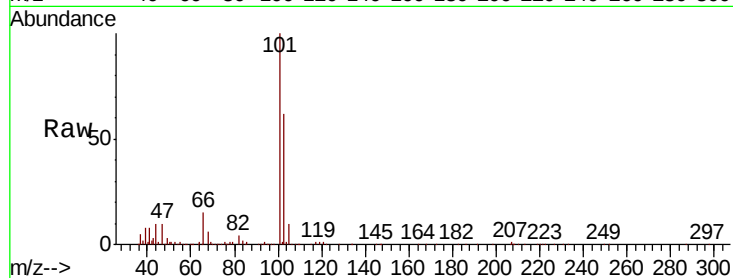
VSTDCCC050

Tot Ion:101 Resp: 422950

Ion Ratio Lower Upper

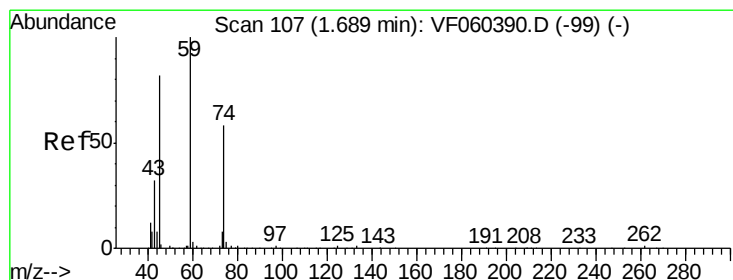
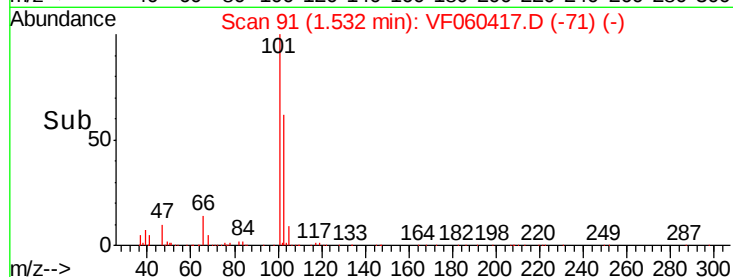
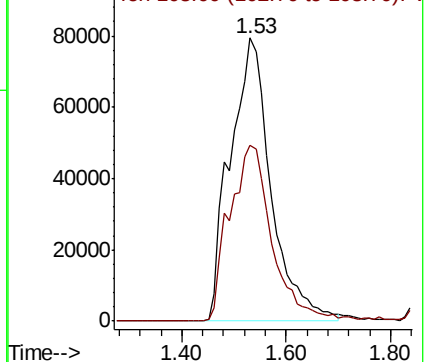
101 100

103 62.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 43.630 ug/l

RT: 1.70 min Scan# 108

Delta R.T. 0.01 min

Lab File: VF060417.D

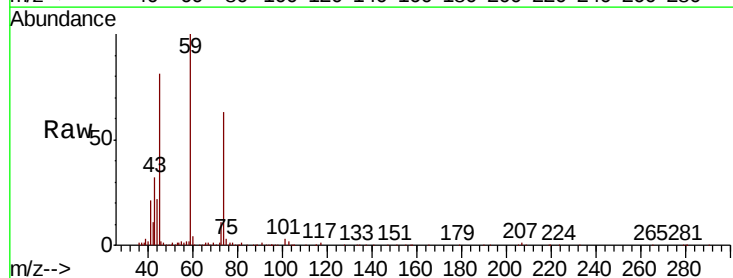
Acq: 3 Oct 2018 15:41

Tgt Ion: 74 Resp: 59659

Ion Ratio Lower Upper

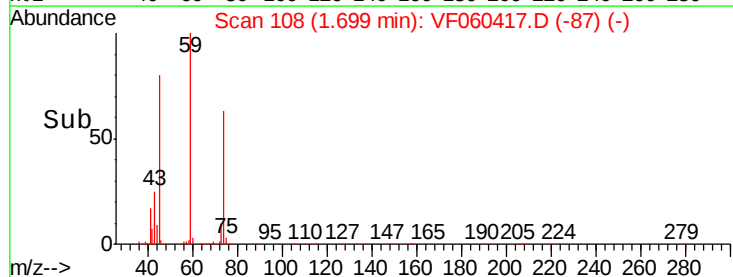
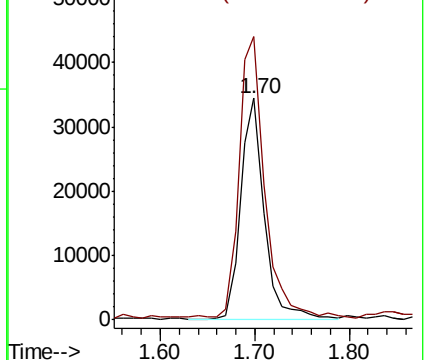
74 100

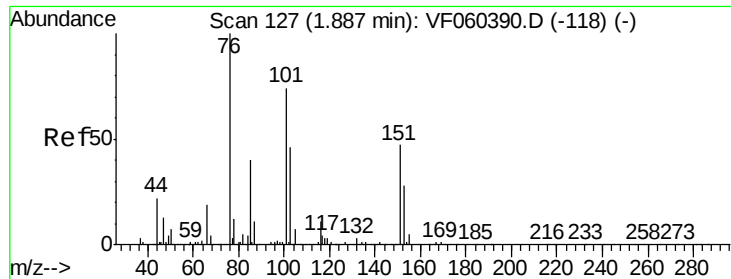
45 127.7 71.3 213.8



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: 41.663 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

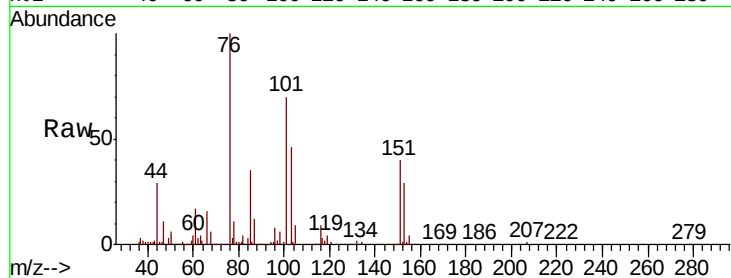
Tot Ion:101 Resp: 199119

Ion Ratio Lower Upper

101 100

85 50.0 42.5 63.7

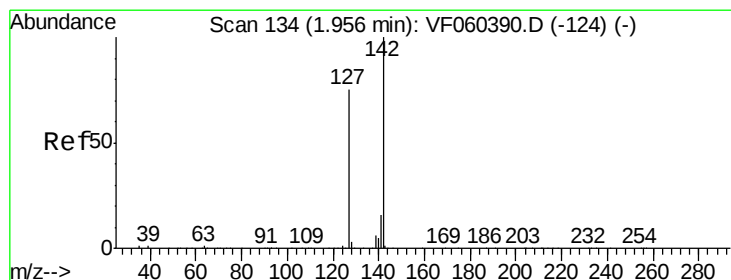
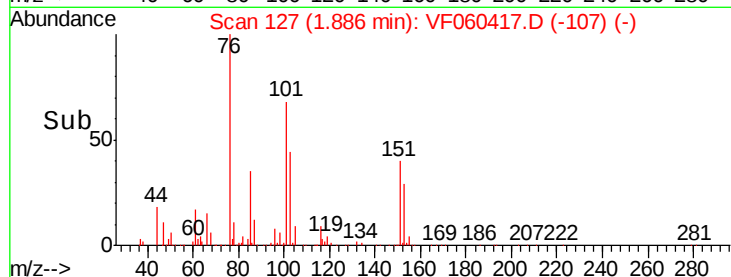
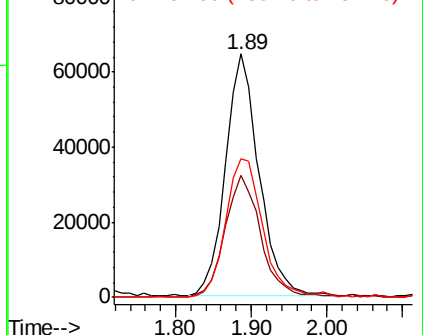
151 57.1 49.8 74.8



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: 43.673 ug/l

RT: 1.96 min Scan# 134

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

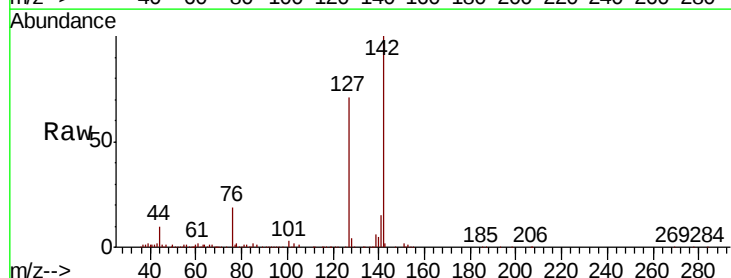
Tgt Ion:142 Resp: 318306

Ion Ratio Lower Upper

142 100

127 70.5 60.2 90.2

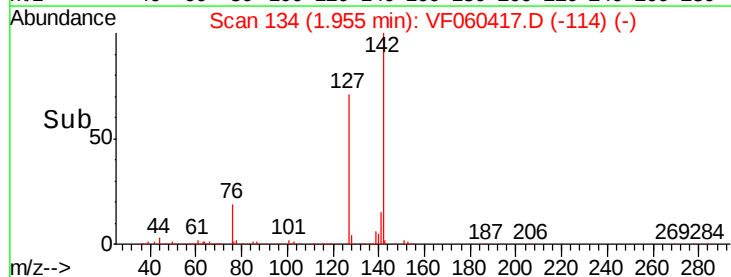
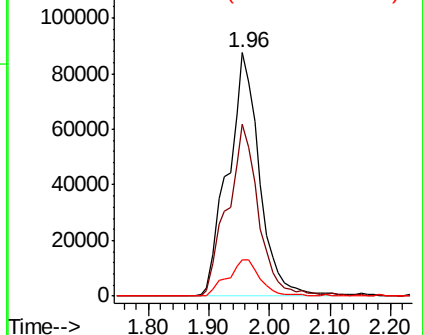
141 14.9 13.1 19.7

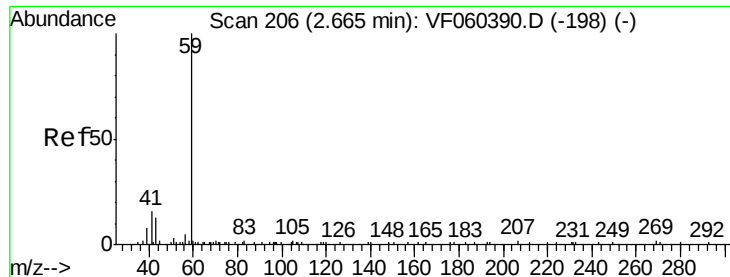


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

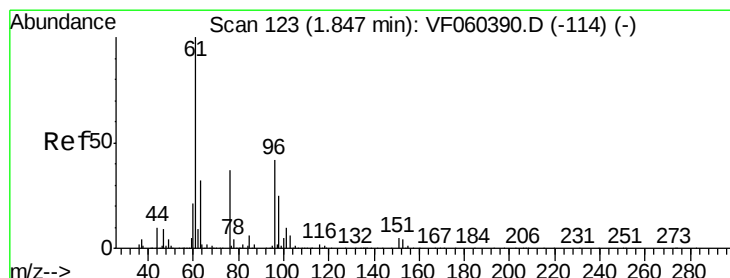
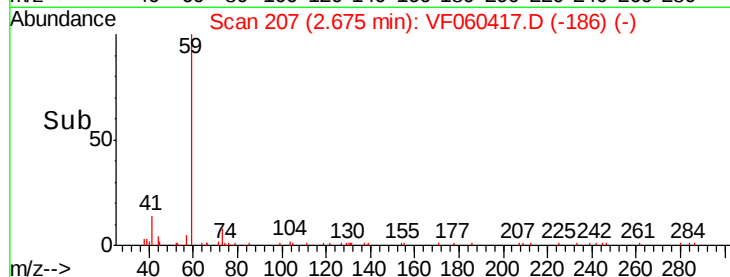
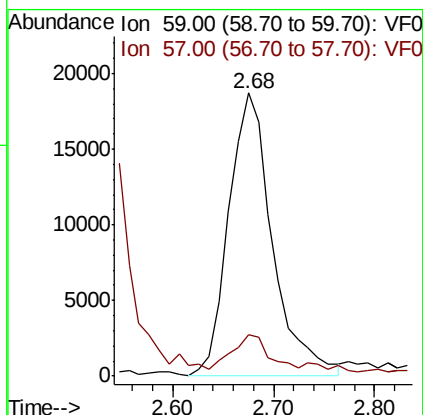
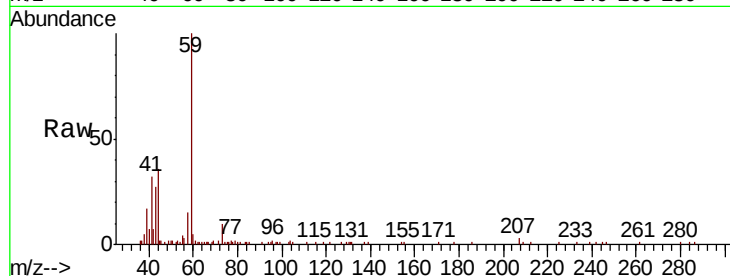




#11
Tert butyl alcohol
Concen: 196.372 ug/l
RT: 2.68 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

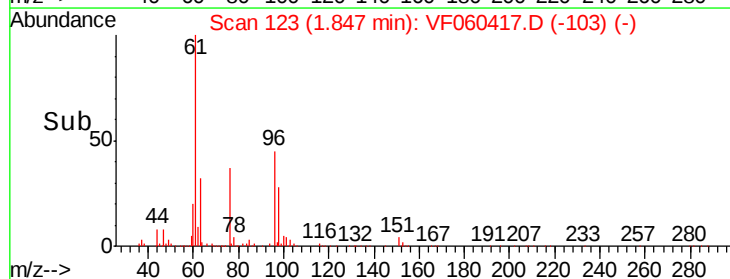
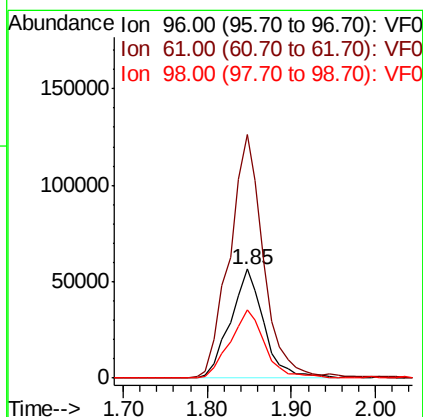
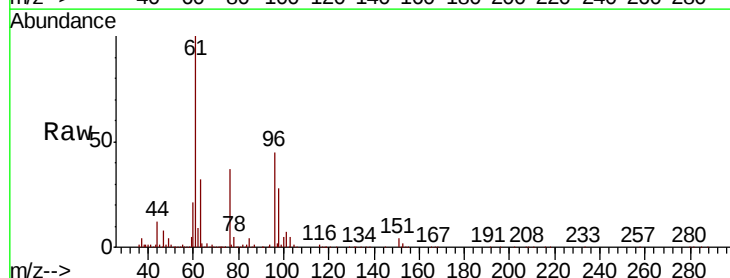
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

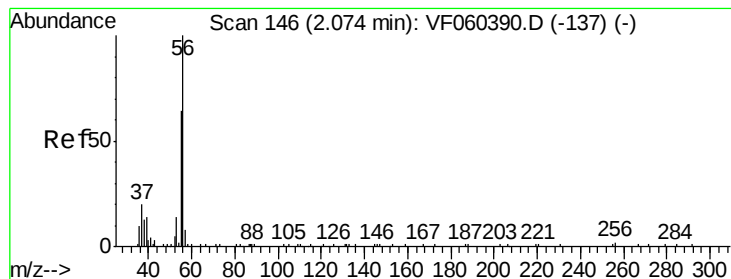
Tot Ion: 59 Resp: 56584
Ion Ratio Lower Upper
59 100
57 14.7 6.5 9.7#



#12
1,1-Dichloroethene
Concen: 42.248 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion: 96 Resp: 156012
Ion Ratio Lower Upper
96 100
61 223.7 189.4 284.0
98 63.0 47.8 71.6





#13

Acrolein

Concen: 223.786 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

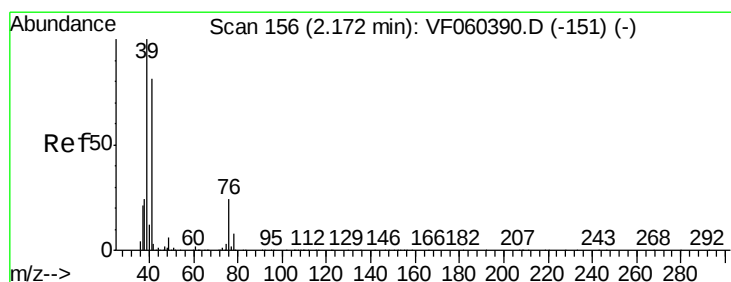
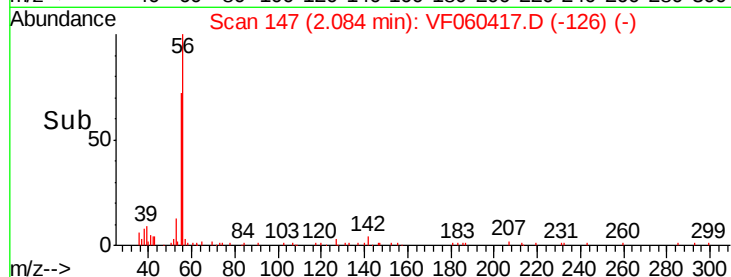
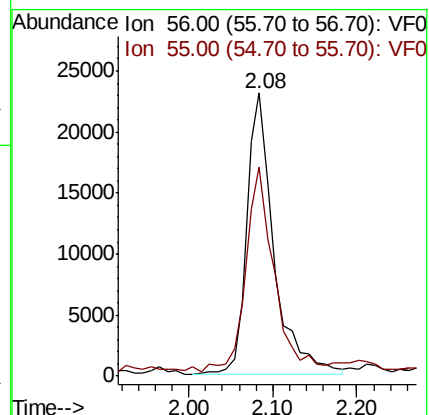
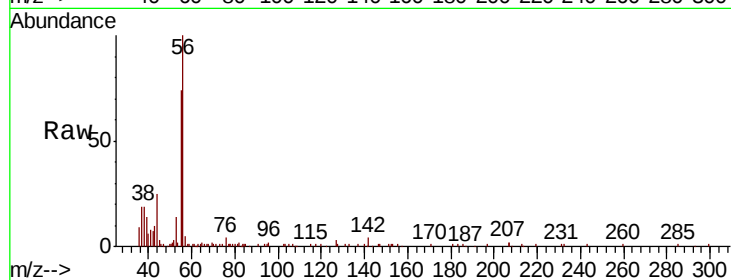
VSTDCCC050

Tot Ion: 56 Resp: 51858

Ion Ratio Lower Upper

56 100

55 74.1 53.9 80.9



#14

Allyl chloride

Concen: 46.275 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

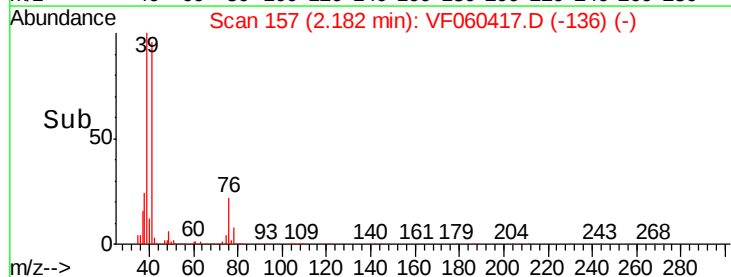
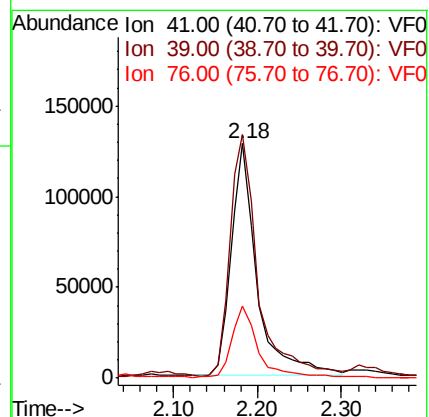
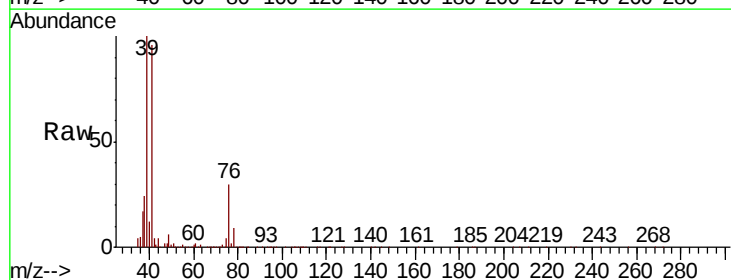
Tgt Ion: 41 Resp: 273813

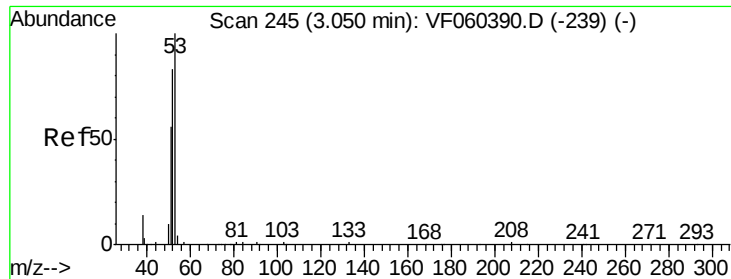
Ion Ratio Lower Upper

41 100

39 103.9 98.3 147.5

76 30.9 23.9 35.9





#15

Acrylonitrile

Concen: 222.747 ug/l

RT: 3.06 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

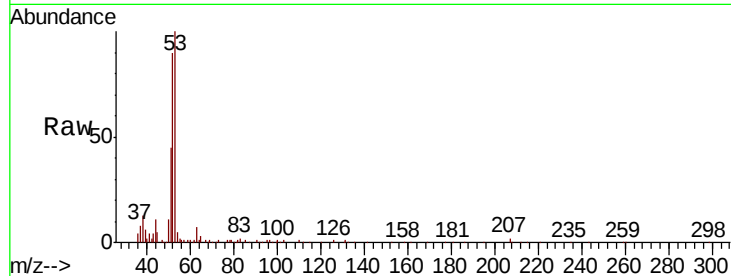
Tot Ion: 53 Resp: 109979

Ion Ratio Lower Upper

53 100

52 89.6 66.0 99.0

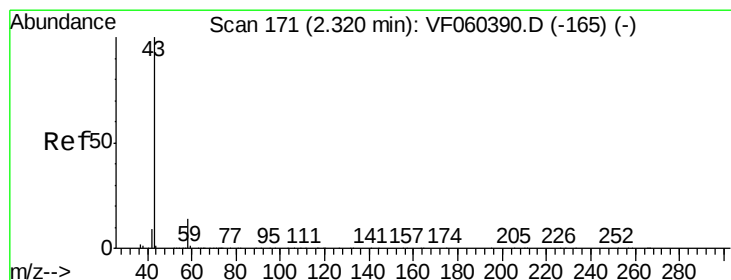
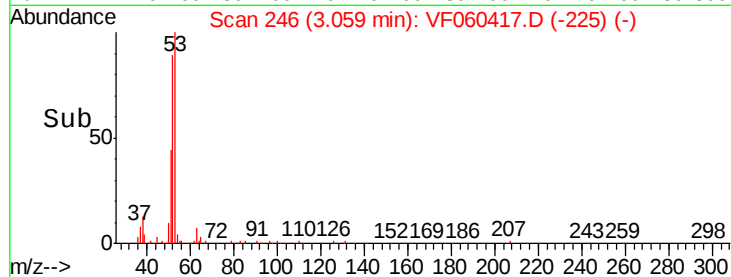
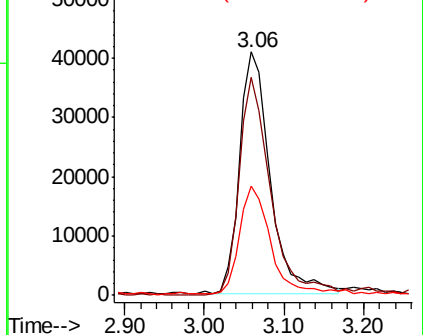
51 44.6 45.6 68.4#



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: 242.143 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060417.D

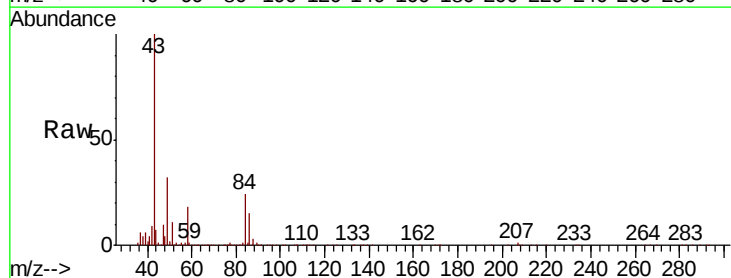
Acq: 3 Oct 2018 15:41

Tgt Ion: 43 Resp: 238330

Ion Ratio Lower Upper

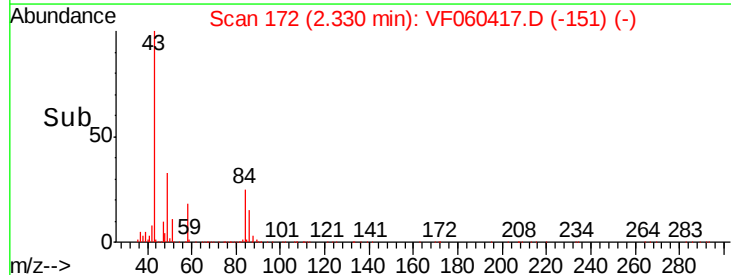
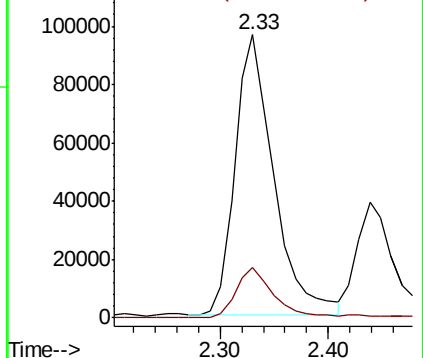
43 100

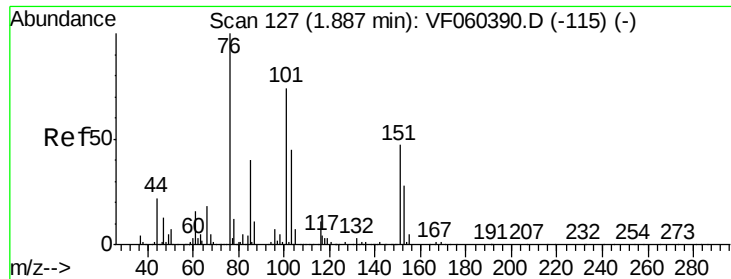
58 17.9 11.2 16.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 43.763 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

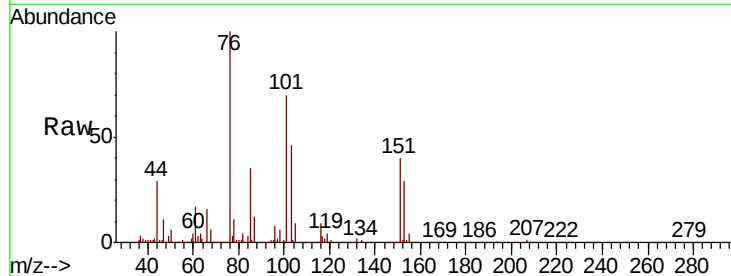
VSTDCCC050

Tot Ion: 76 Resp: 489366

Ion Ratio Lower Upper

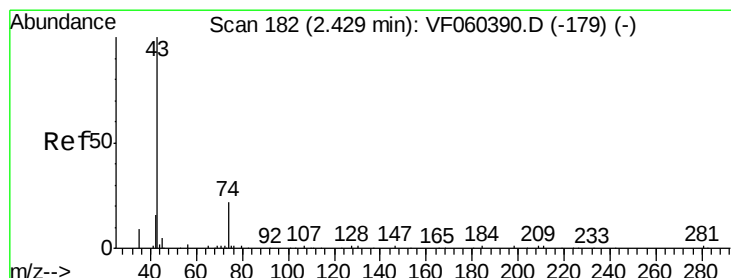
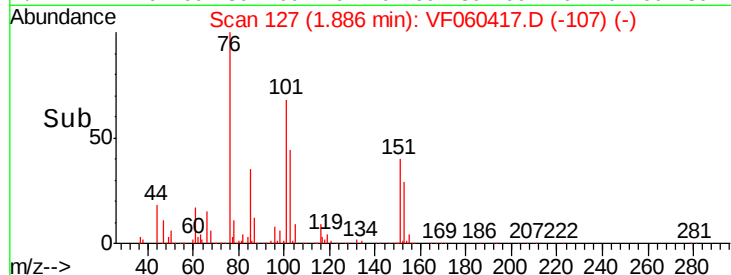
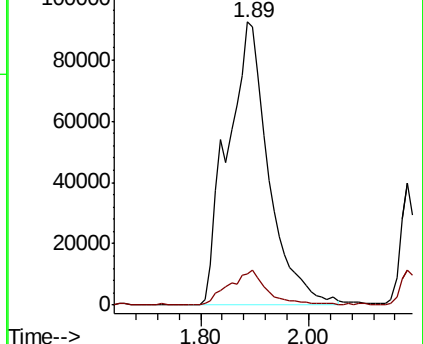
76 100

78 10.8 10.1 15.1



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 46.572 ug/l

RT: 2.44 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF060417.D

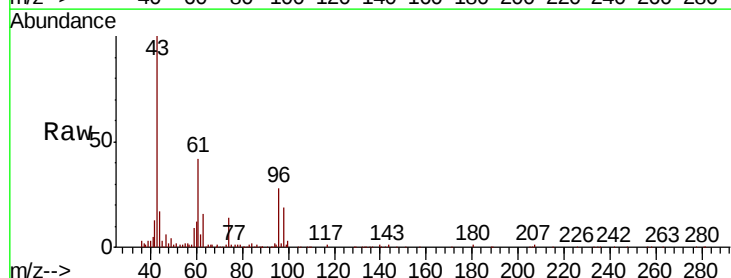
Acq: 3 Oct 2018 15:41

Tgt Ion: 43 Resp: 83599

Ion Ratio Lower Upper

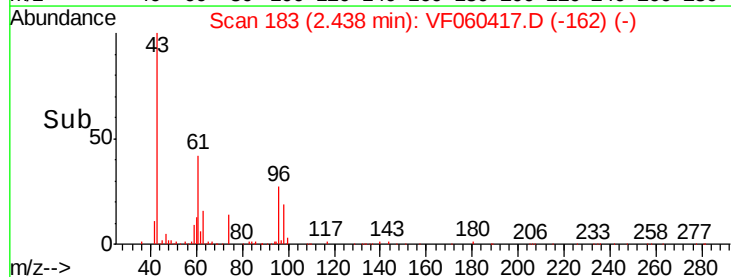
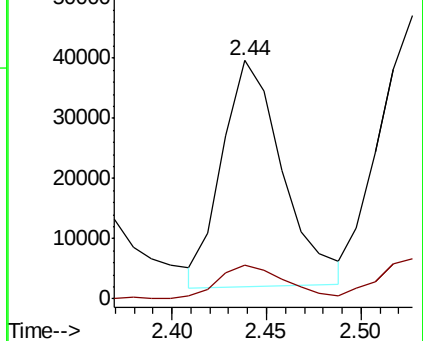
43 100

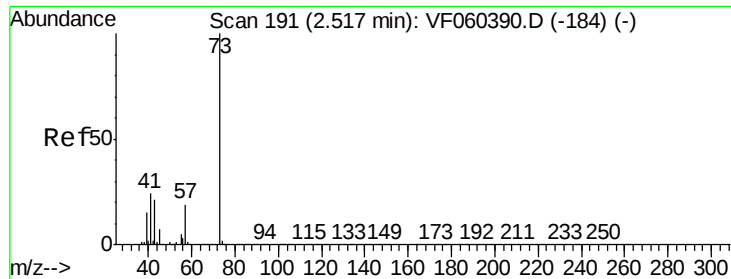
74 14.0 15.8 23.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

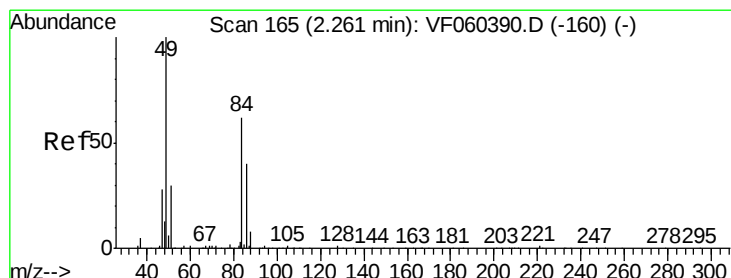
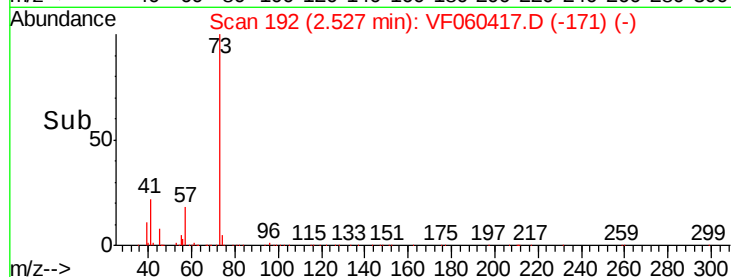
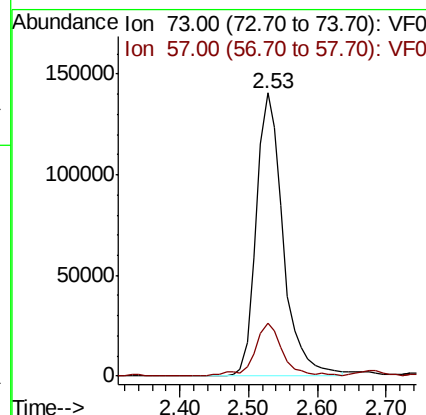
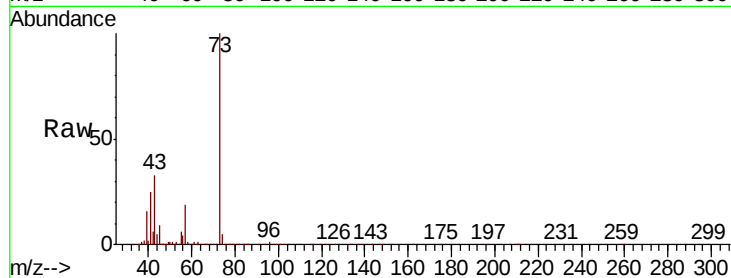




#19
Methvl tert-butvl Ether
Concen: 42.324 ug/l
RT: 2.53 min Scan# 192
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

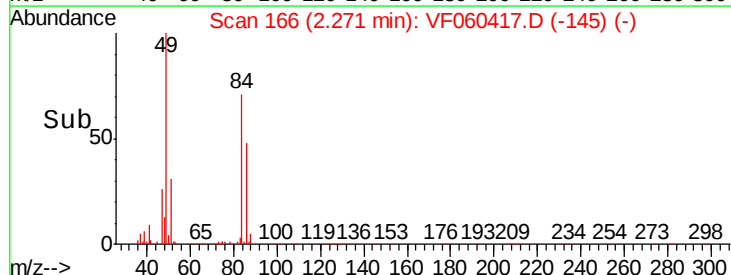
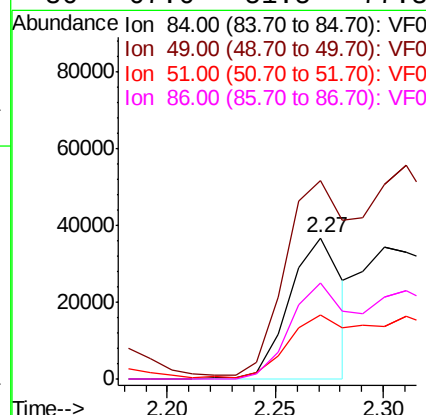
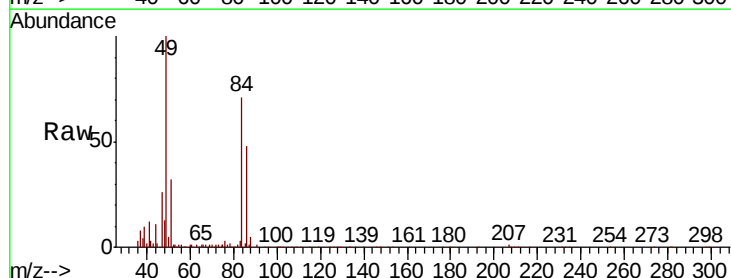
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

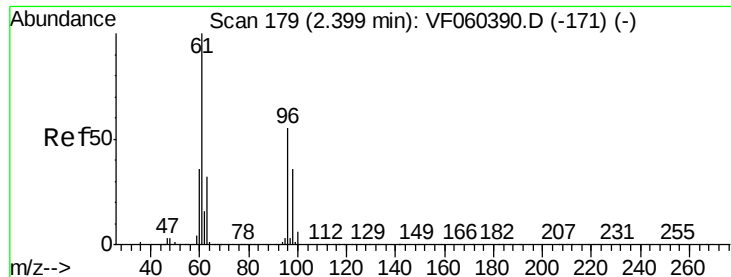
Tot Ion: 73 Resp: 380680
Ion Ratio Lower Upper
73 100
57 18.8 15.9 23.9



#20
Methylene Chloride
Concen: 13.945 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion: 84 Resp: 62449
Ion Ratio Lower Upper
84 100
49 140.3 130.2 195.2
51 45.6 41.0 61.6
86 67.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 44.370 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

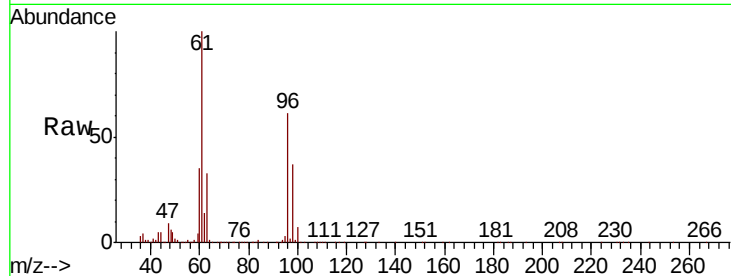
Tot Ion: 96 Resp: 163641

Ion Ratio Lower Upper

96 100

61 163.2 146.2 219.2

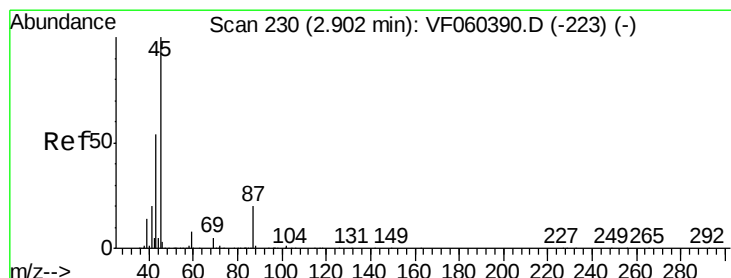
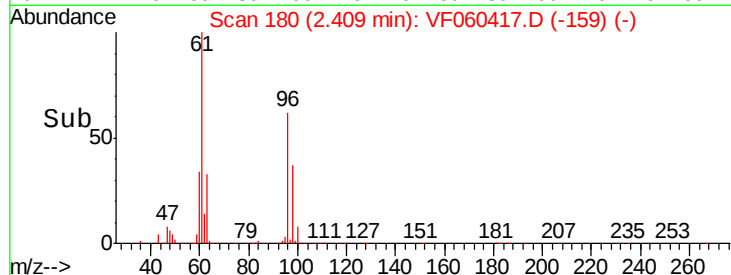
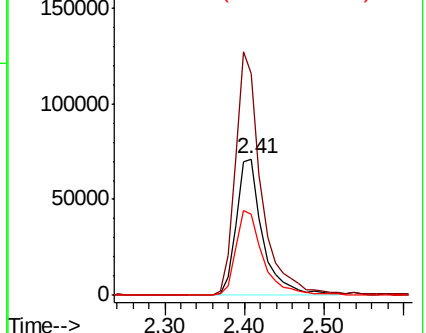
98 59.9 52.6 78.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 47.742 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Tgt Ion: 45 Resp: 512766

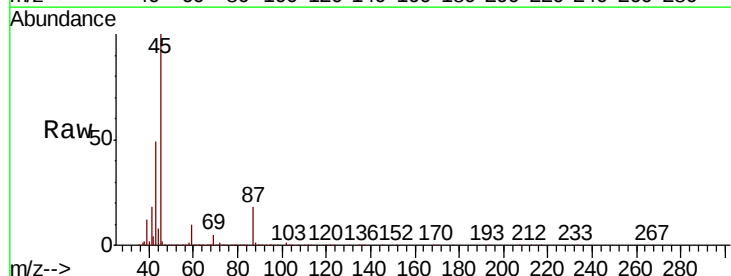
Ion Ratio Lower Upper

45 100

43 49.0 43.8 65.8

87 18.5 16.3 24.5

59 9.6 6.6 10.0

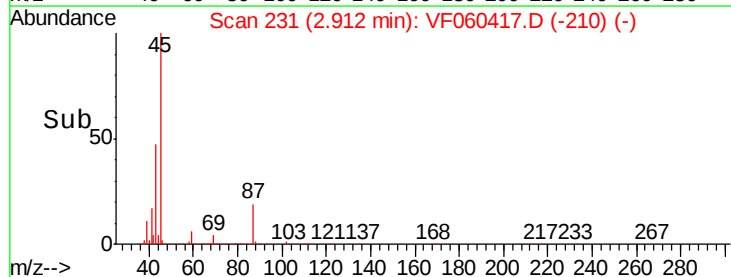
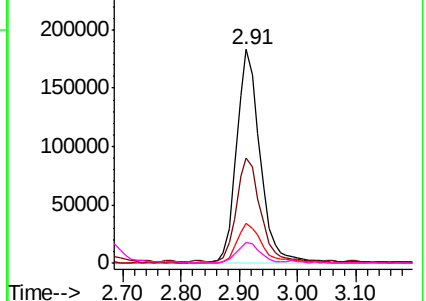


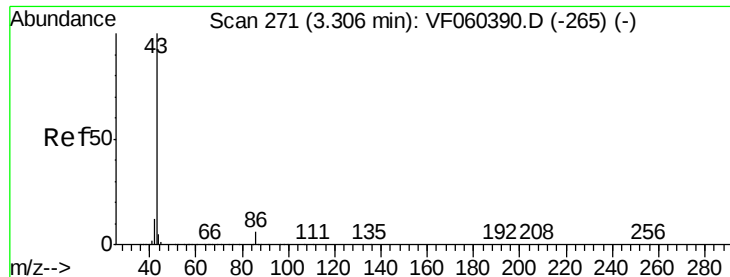
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 223.255 ug/l

RT: 3.32 min Scan# 272

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

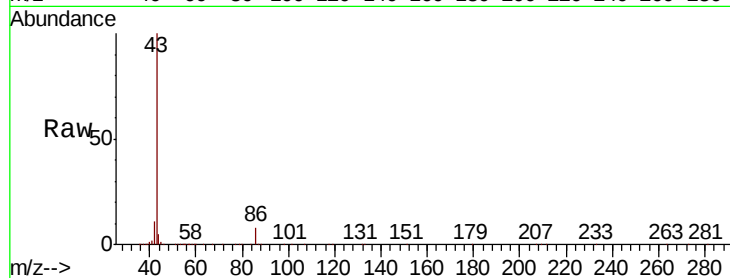
VSTDCCC050

Tot Ion: 43 Resp: 952499

Ion Ratio Lower Upper

43 100

86 7.6 5.1 7.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.32

400000

300000

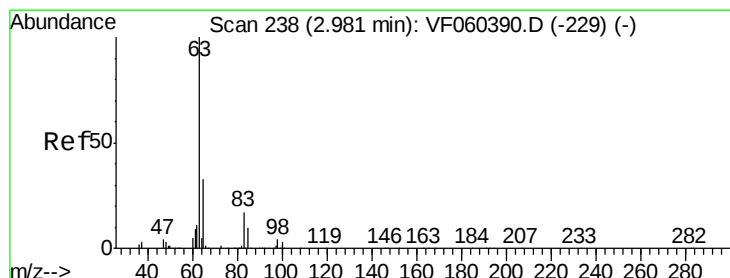
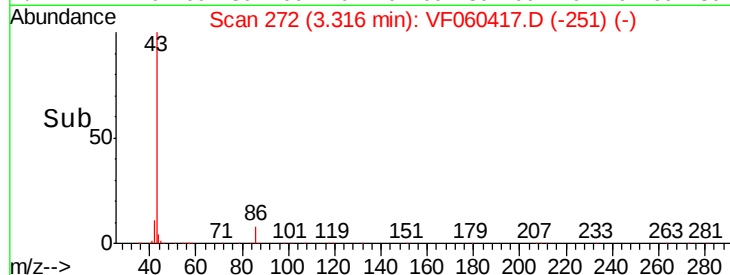
200000

100000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 45.609 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

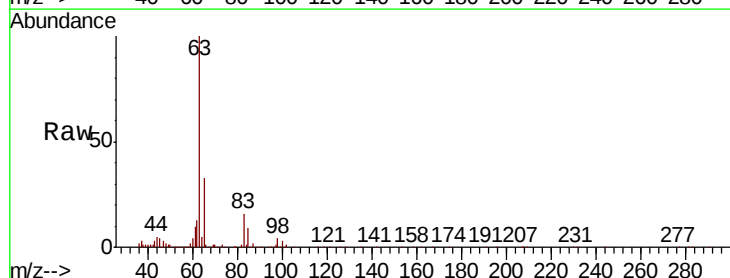
Tgt Ion: 63 Resp: 331263

Ion Ratio Lower Upper

63 100

98 4.4 2.0 5.8

100 2.7 1.4 4.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.99

150000

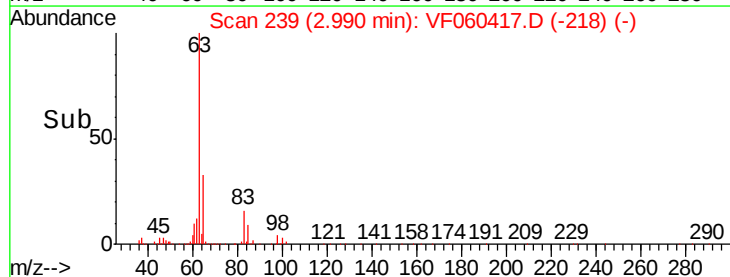
100000

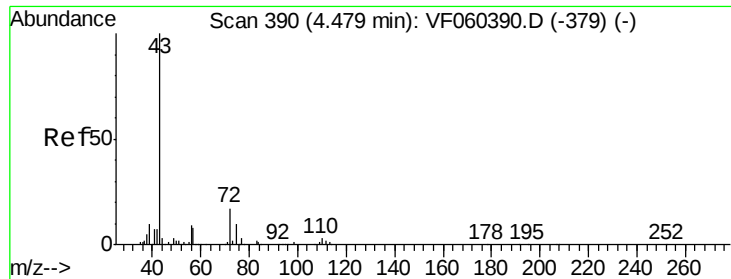
50000

0

Time-->

2.80 2.90 3.00 3.10 3.20

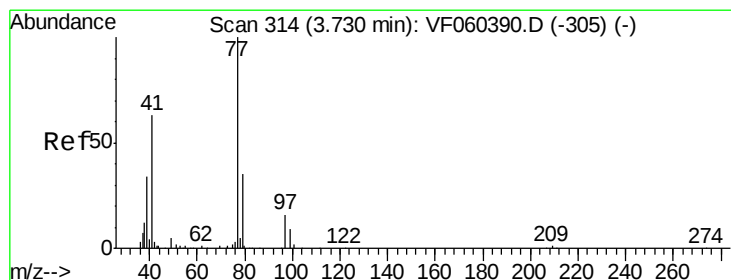
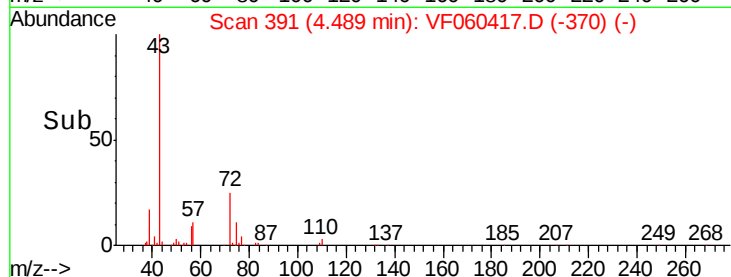
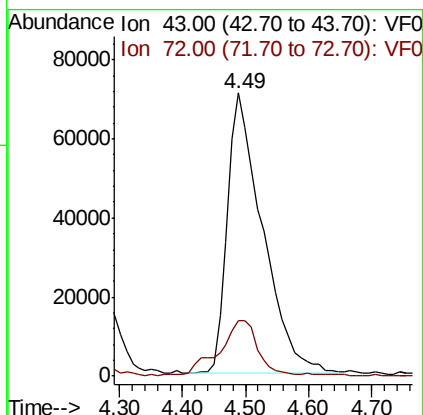
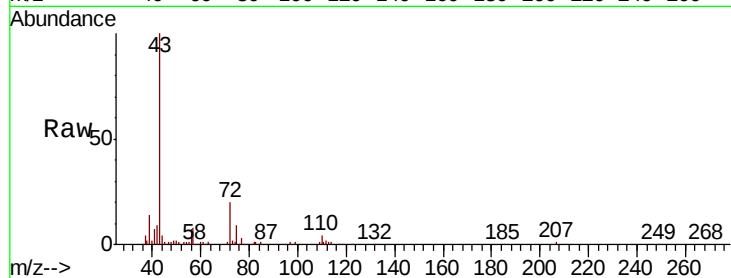




#25
2-Butanone
Concen: 222.652 ug/l
RT: 4.49 min Scan# 391
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

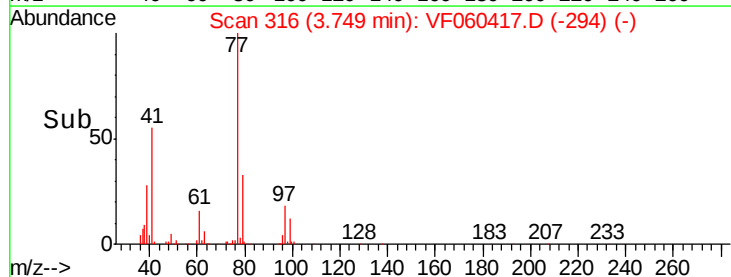
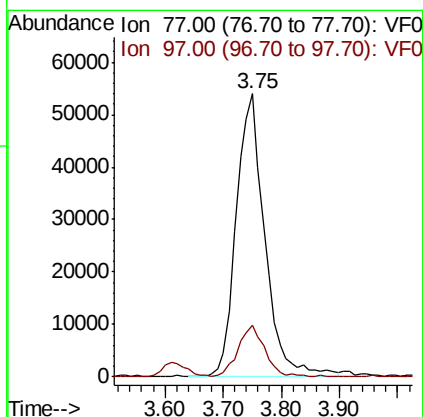
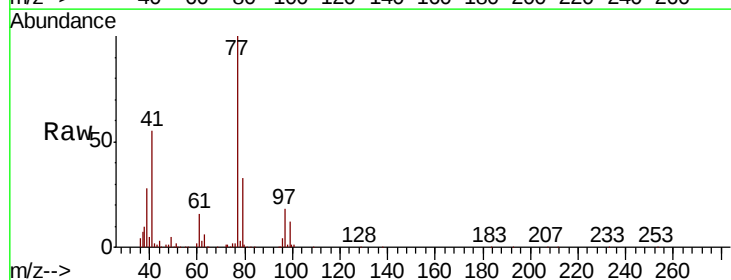
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

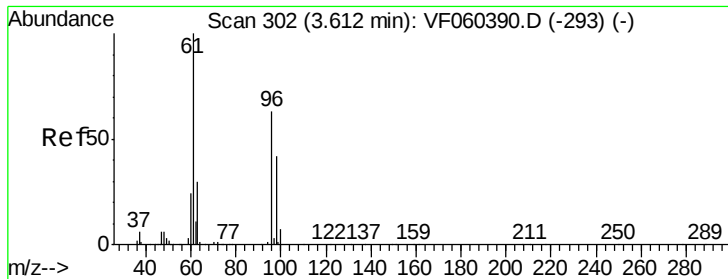
Tot Ion: 43 Resp: 274640
Ion Ratio Lower Upper
43 100
72 19.8 14.1 21.1



#26
2,2-Dichloropropane
Concen: 45.040 ug/l
RT: 3.75 min Scan# 316
Delta R.T. 0.02 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion: 77 Resp: 185276
Ion Ratio Lower Upper
77 100
97 18.1 8.3 25.1



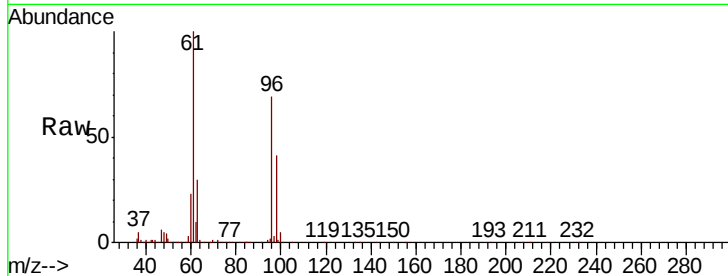


#27

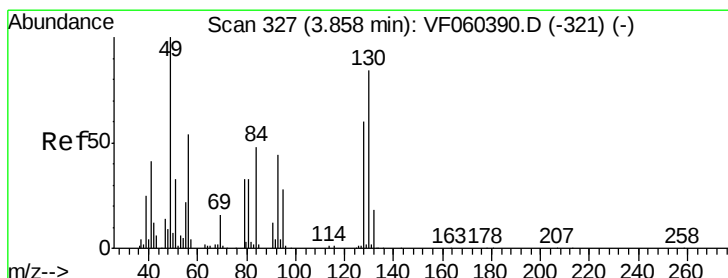
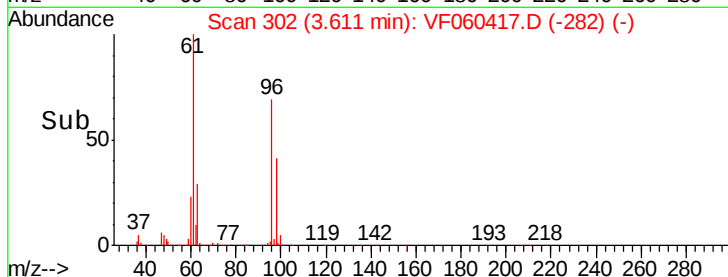
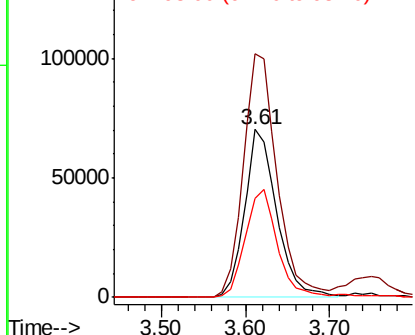
cis-1,2-Dichloroethene
Concen: 45.334 ug/l
RT: 3.61 min Scan# 302
Delta R.T. -0.00 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	318.2
98	59.3	0.0	134.0



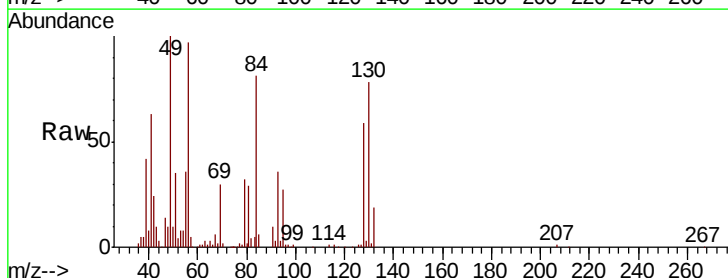
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



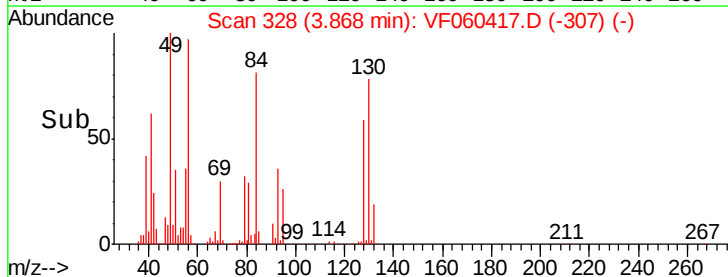
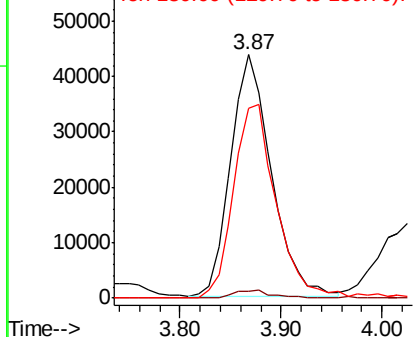
#28

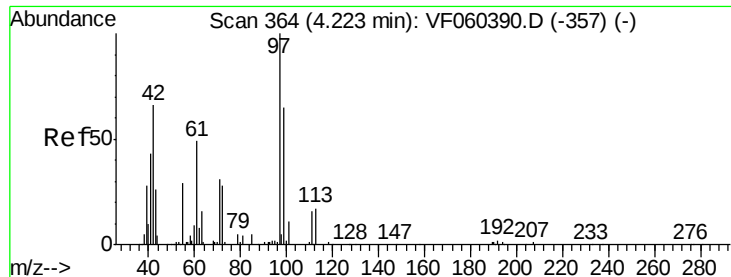
Bromochloromethane
Concen: 46.199 ug/l
RT: 3.87 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	77.8	67.3	100.9



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 223.489 ug/l

RT: 4.23 min Scan# 365

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

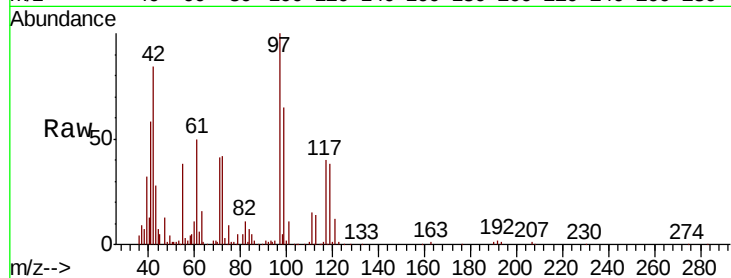
Tot Ion: 42 Resp: 104072

Ion Ratio Lower Upper

42 100

72 44.0 33.6 50.4

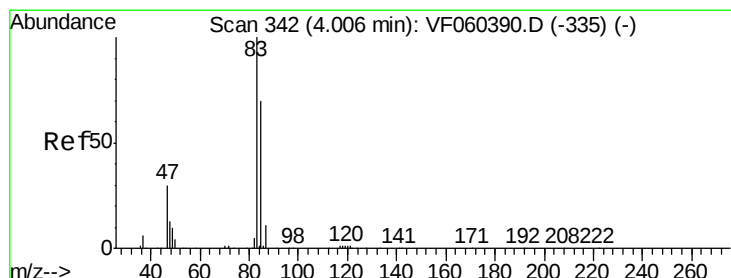
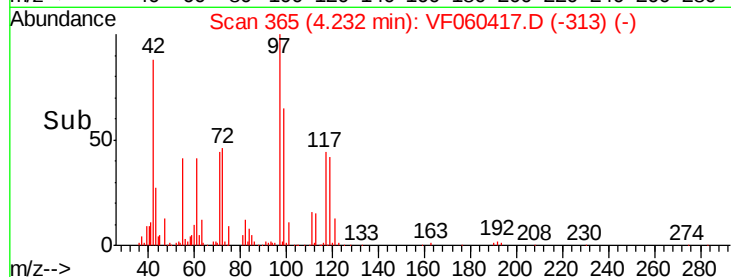
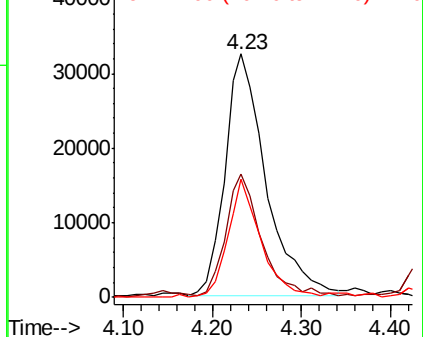
71 39.8 32.7 49.1



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 43.023 ug/l

RT: 4.02 min Scan# 343

Delta R.T. 0.01 min

Lab File: VF060417.D

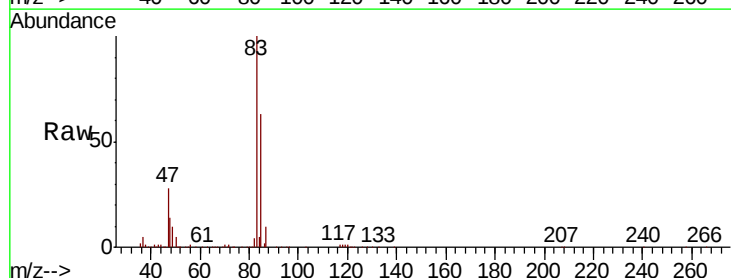
Acq: 3 Oct 2018 15:41

Tgt Ion: 83 Resp: 385578

Ion Ratio Lower Upper

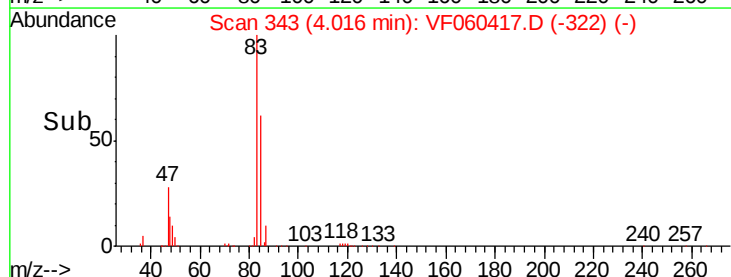
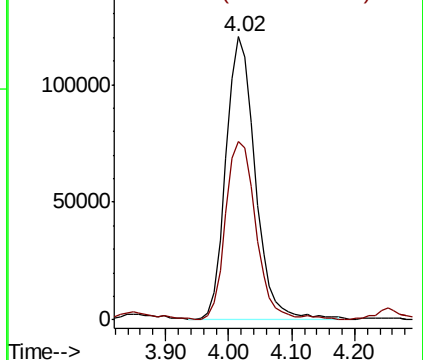
83 100

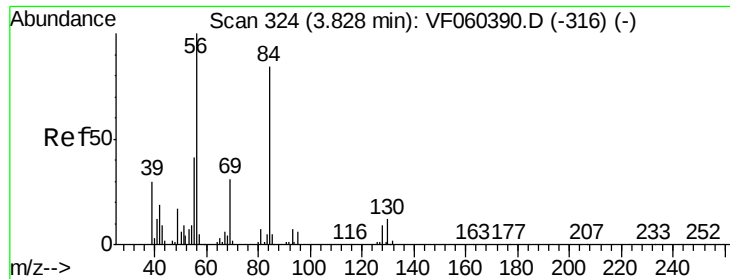
85 62.8 55.9 83.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

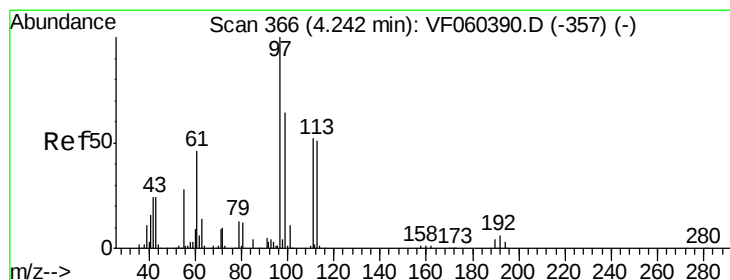
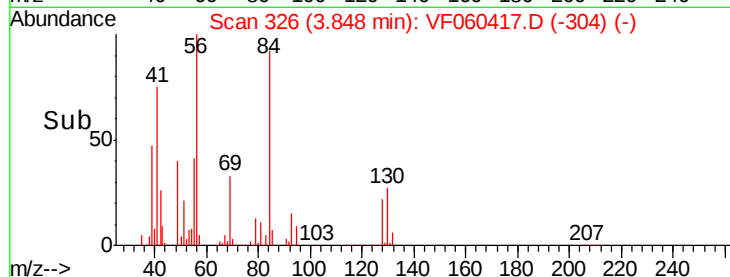
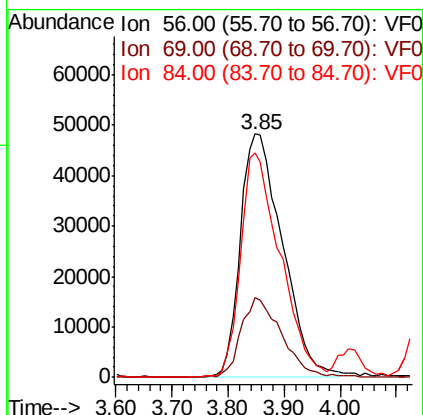
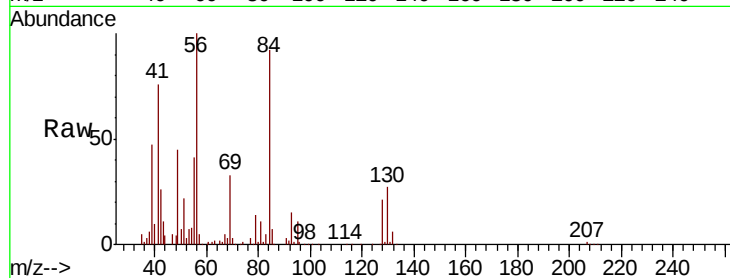




#31
Cvclohexane
Concen: 48.052 ug/l
RT: 3.85 min Scan# 326
Delta R.T. 0.02 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

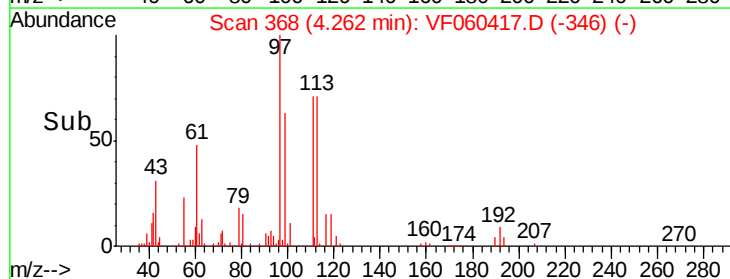
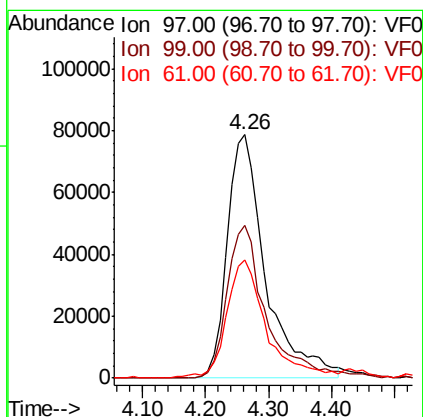
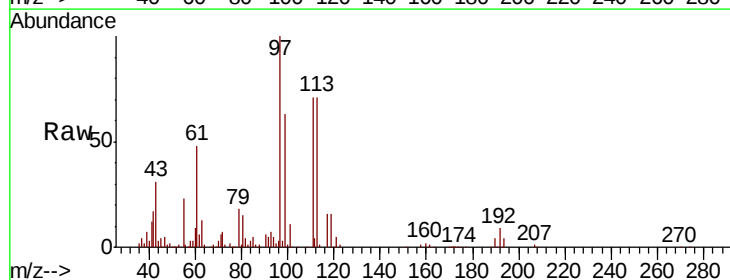
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

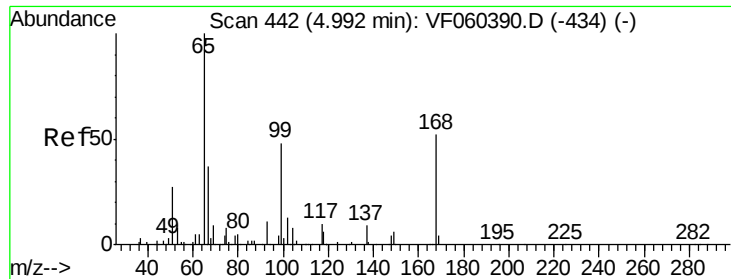
Tot Ion: 56 Resp: 250612
Ion Ratio Lower Upper
56 100
69 32.8 25.5 38.3
84 92.2 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 44.467 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.02 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion: 97 Resp: 331626
Ion Ratio Lower Upper
97 100
99 62.9 51.0 76.4
61 48.4 37.5 56.3





#33

1,2-Dichloroethane-d4

Concen: 45.000 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

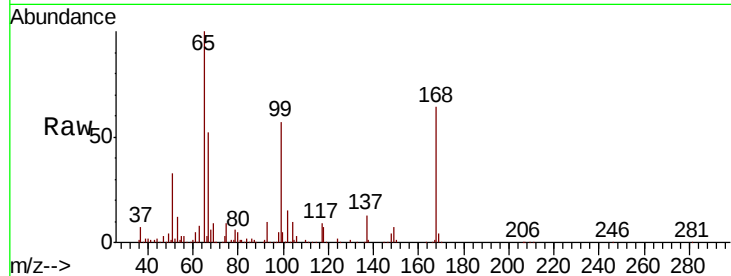
VSTDCCC050

Tot Ion: 65 Resp: 214370

Ion Ratio Lower Upper

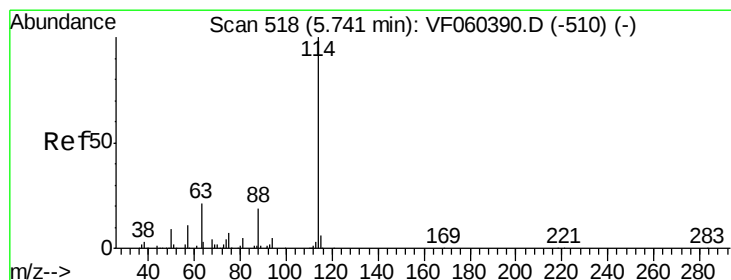
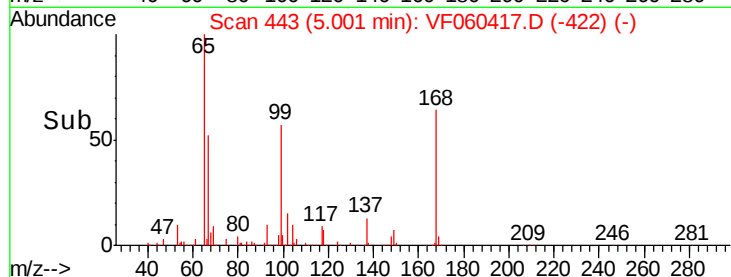
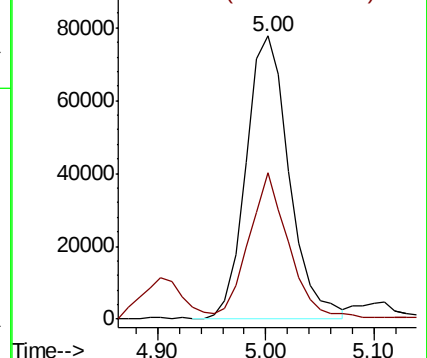
65 100

67 51.9 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

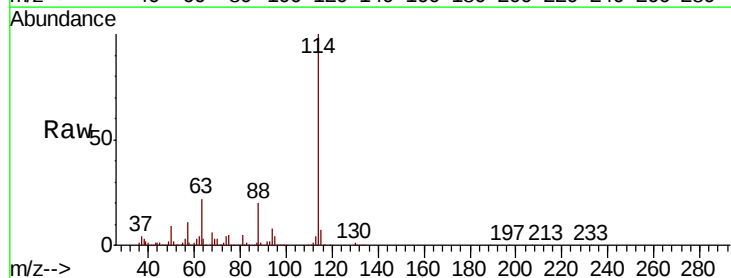
Tgt Ion: 114 Resp: 486530

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.2

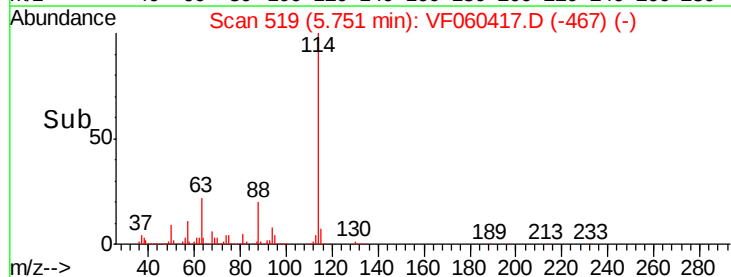
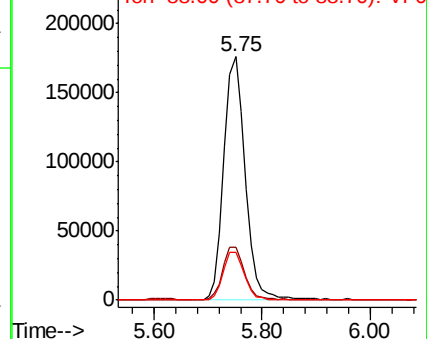
88 19.8 0.0 38.8

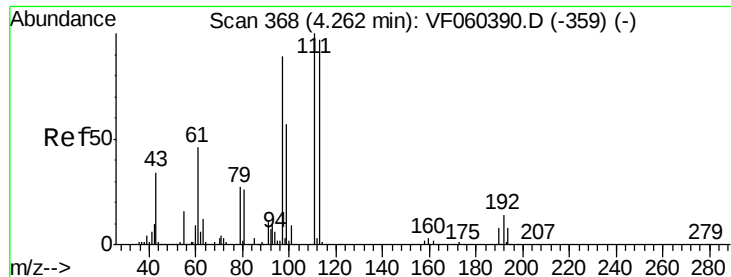


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

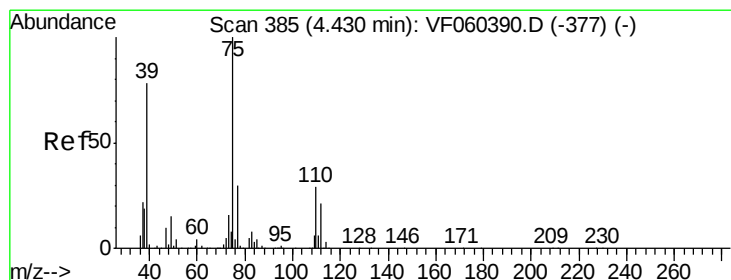
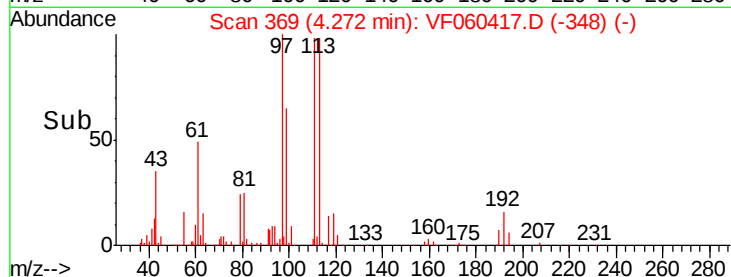
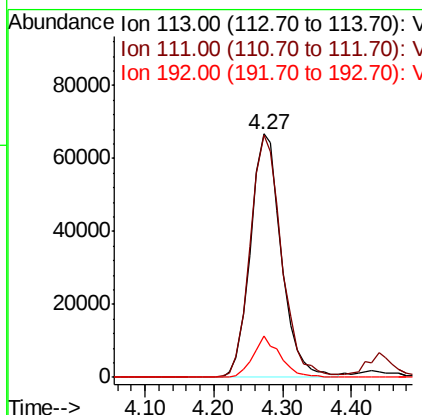
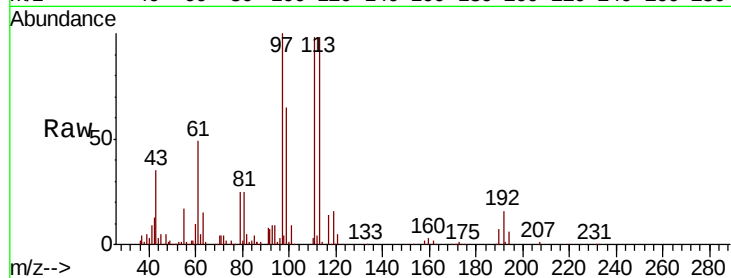




#35
 Dibromofluoromethane
 Concen: 45.627 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

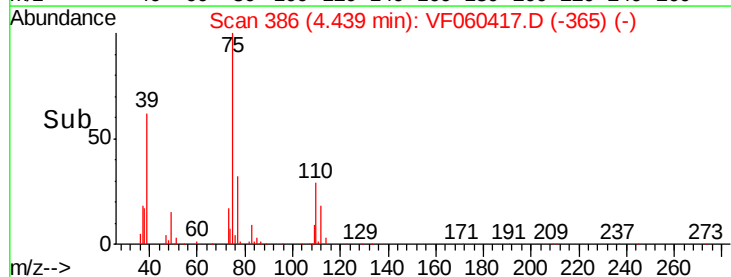
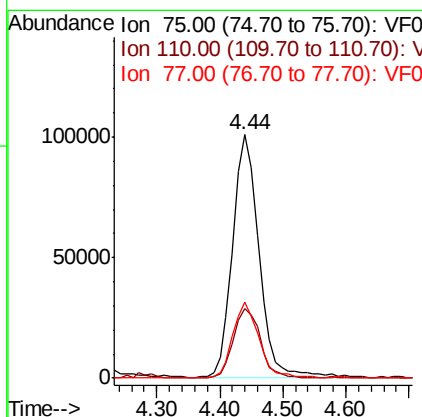
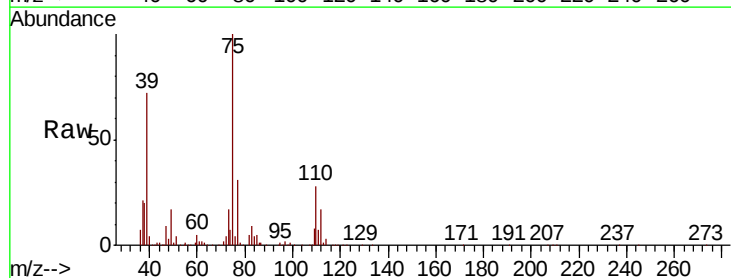
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

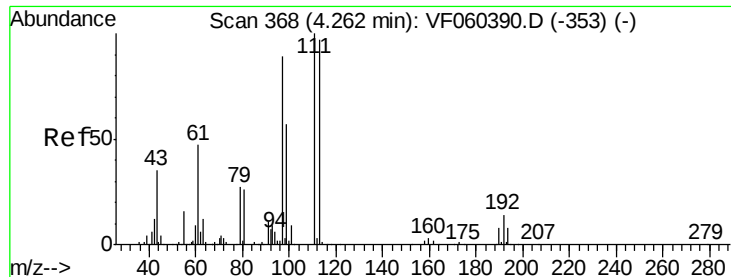
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.3	82.3	123.5
192	17.1	11.8	17.6



#36
 1,1-Dichloropropene
 Concen: 48.637 ug/l
 RT: 4.44 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.3	14.5	43.6
77	30.9	24.3	36.5





#37

Ethyl Acetate

Concen: 42.535 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

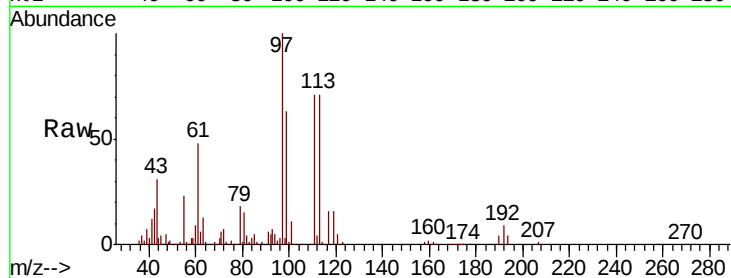
Tot Ion: 43 Resp: 97707

Ion Ratio Lower Upper

43 100

61 155.3 105.1 157.7

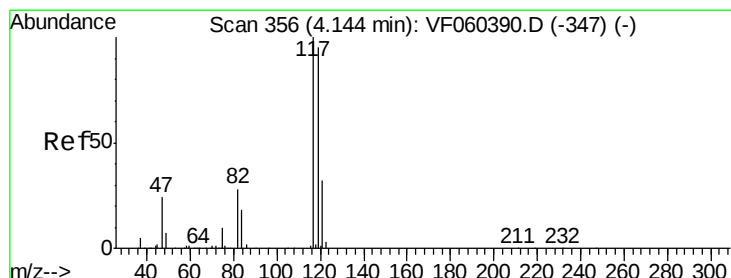
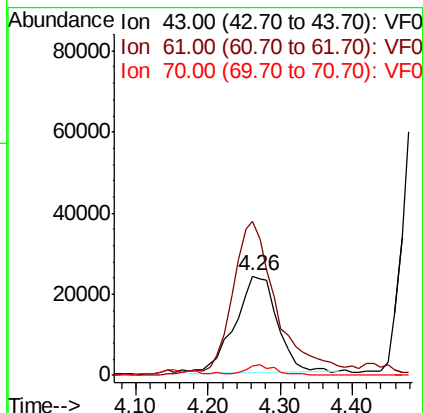
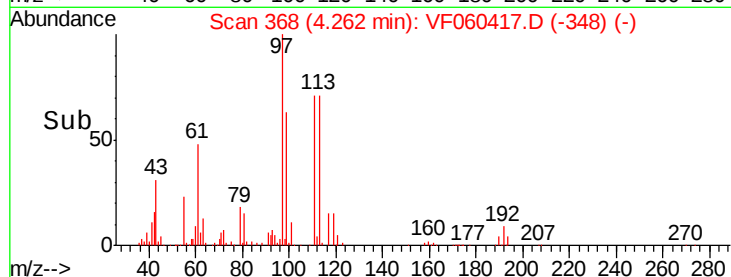
70 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 49.118 ug/l

RT: 4.15 min Scan# 357

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

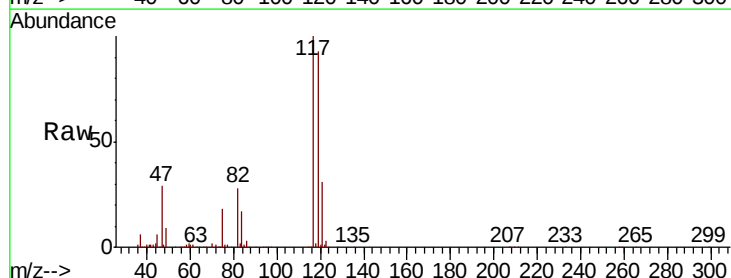
Tgt Ion: 117 Resp: 358642

Ion Ratio Lower Upper

117 100

119 93.2 75.5 113.3

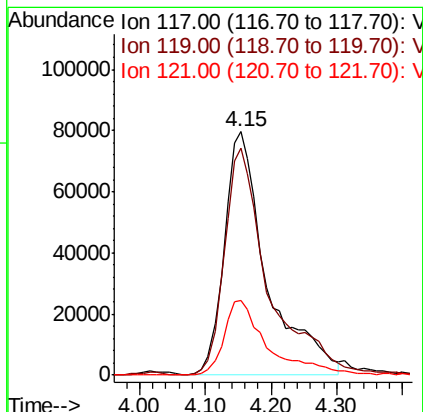
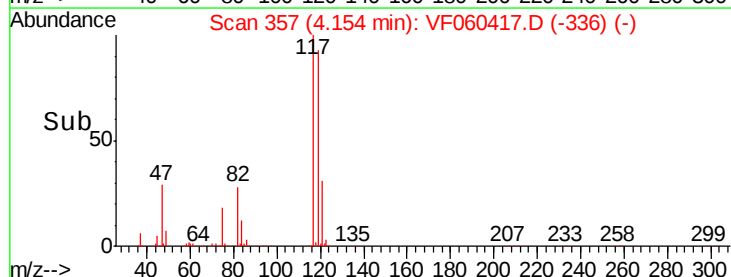
121 30.6 25.4 38.0

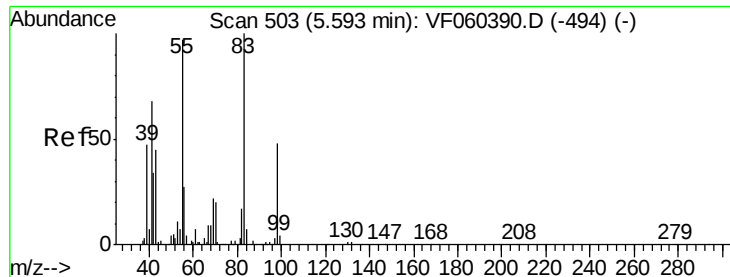


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

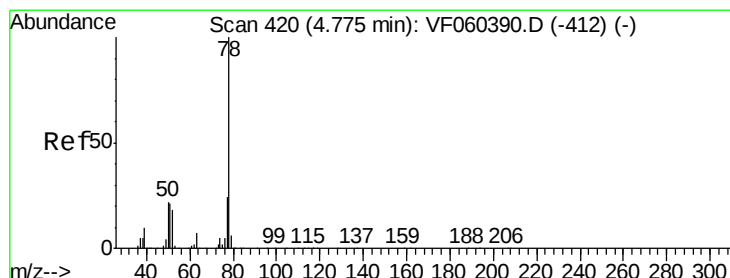
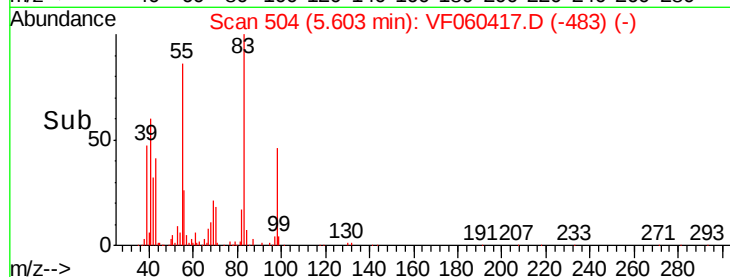
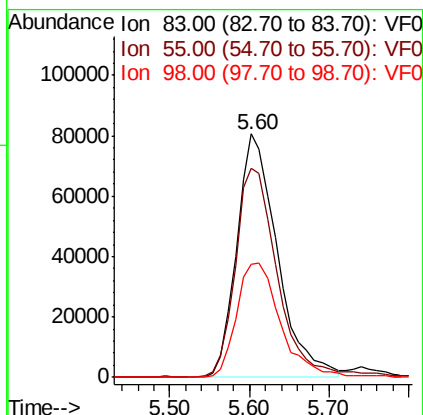
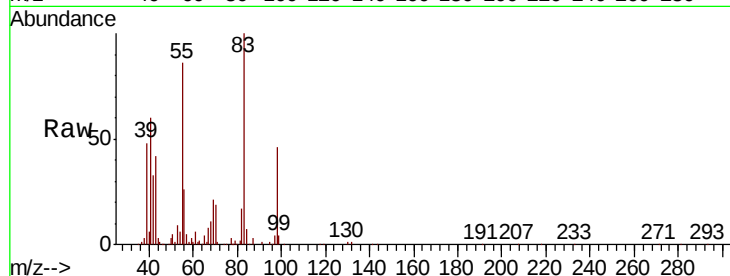




#39
Methvlcvclohexane
Concen: 48.350 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

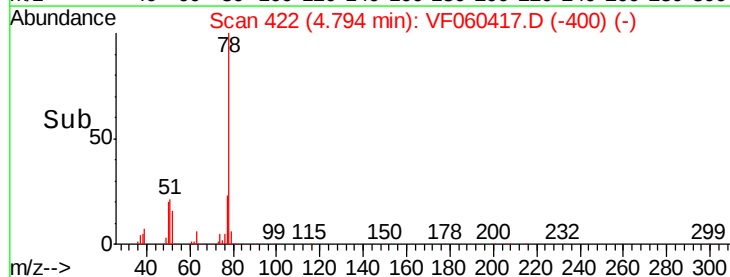
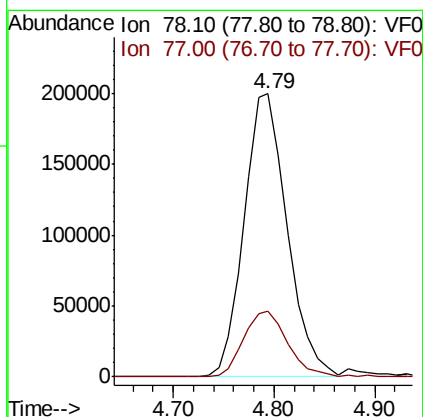
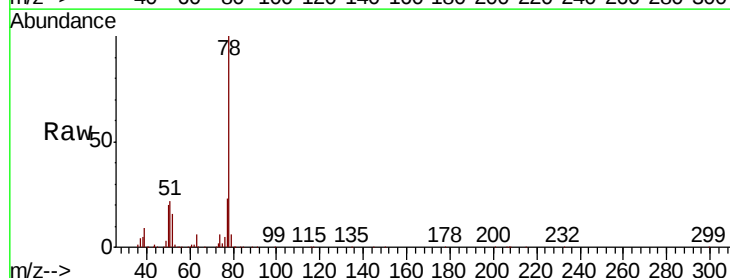
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

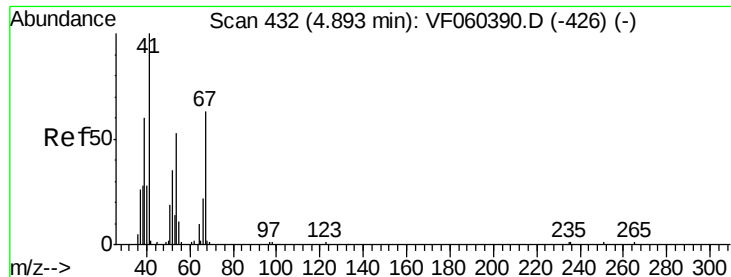
Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	77.5	116.3
98	46.2	38.7	58.1



#40
Benzene
Concen: 49.846 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.02 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8

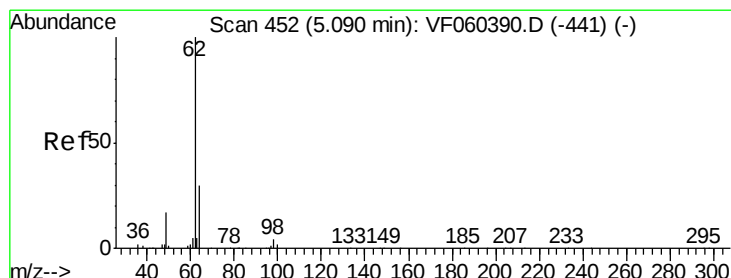
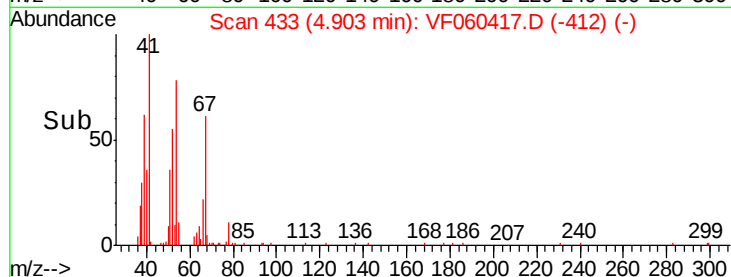
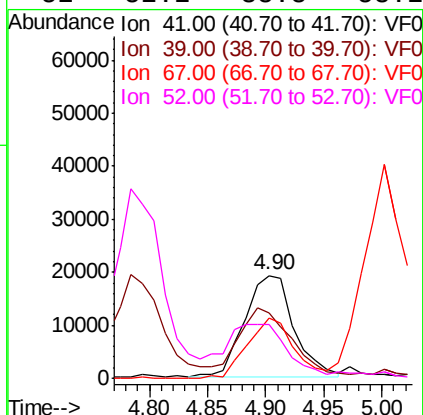
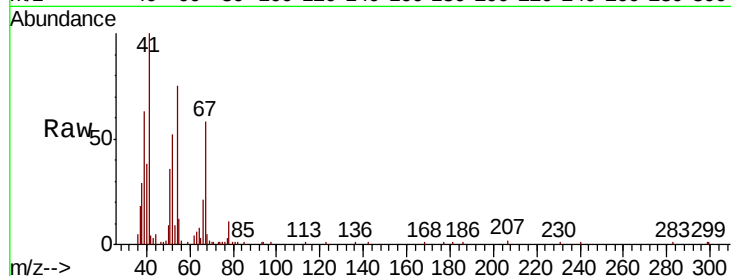




#41
Methacrylonitrile
Concen: 45.821 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

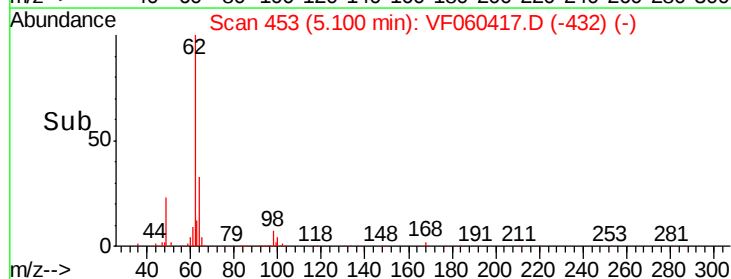
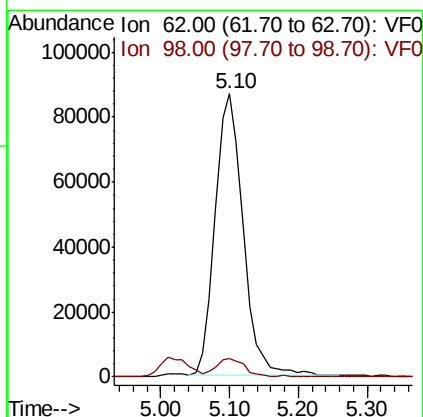
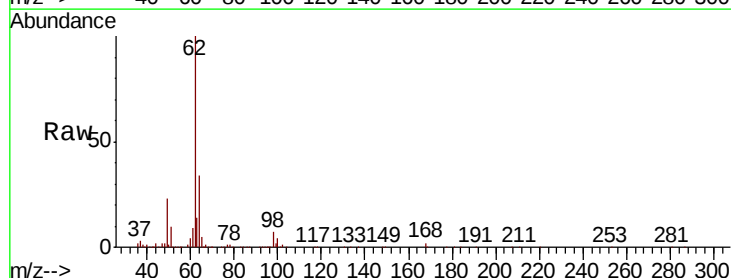
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

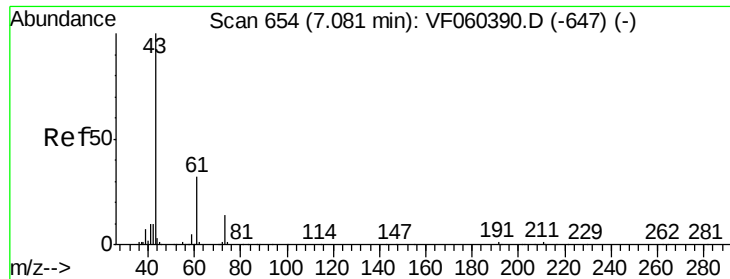
Tot Ion:	41	Resp:	55808
Ion	Ratio	Lower	Upper
41	100		
39	63.4	55.0	82.4
67	58.4	49.6	74.4
52	52.2	38.8	58.2



#42
1,2-Dichloroethane
Concen: 42.782 ug/l
RT: 5.10 min Scan# 453
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion:	62	Resp:	243050
Ion	Ratio	Lower	Upper
62	100		
98	6.5	0.0	11.2



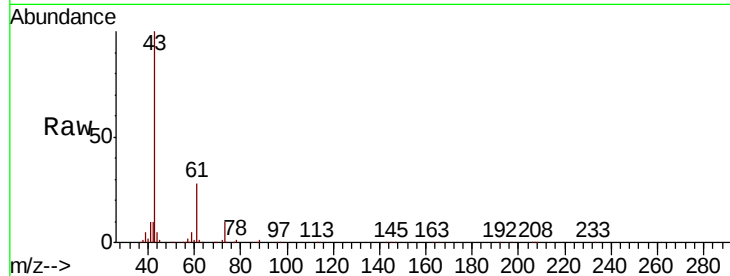


#43

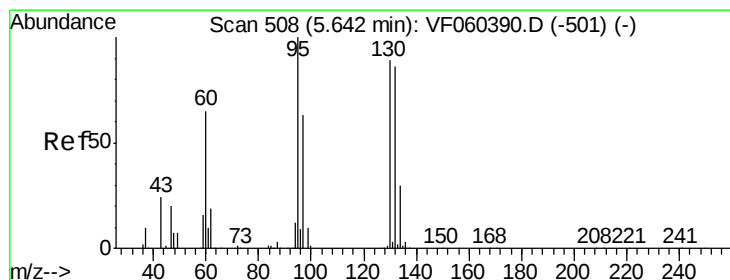
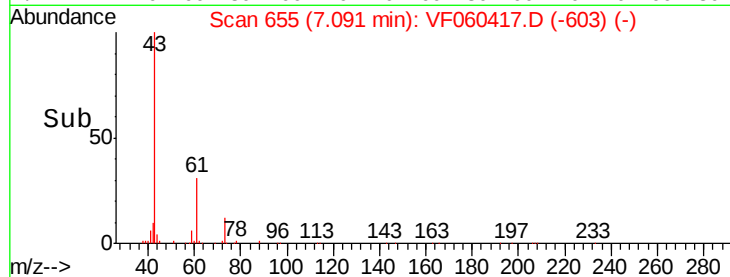
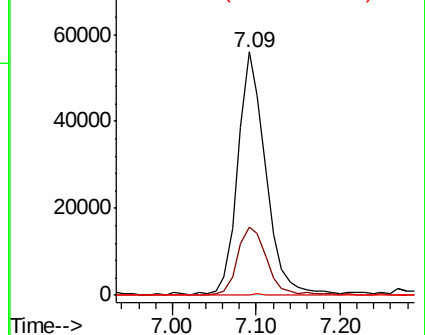
Isopropyl Acetate
 Concen: 46.099 ug/l
 RT: 7.09 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	25.4	38.2
87	0.2	0.3	0.5



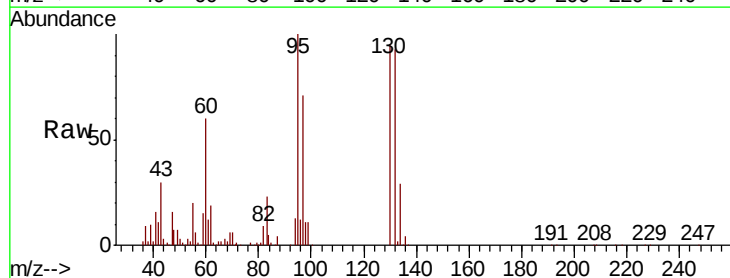
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



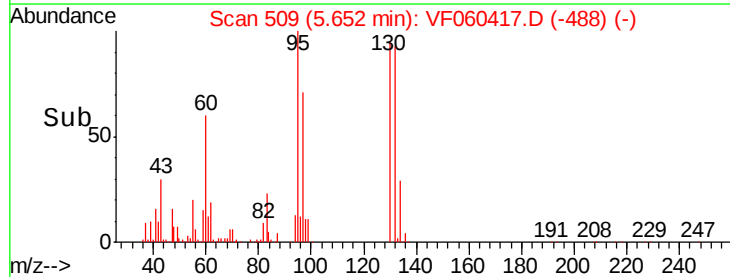
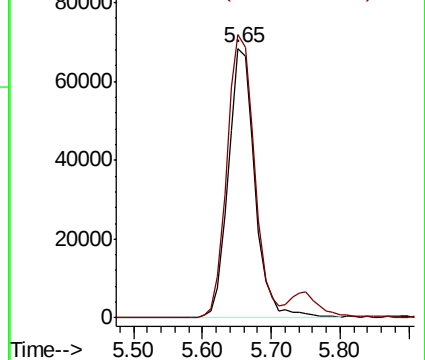
#44

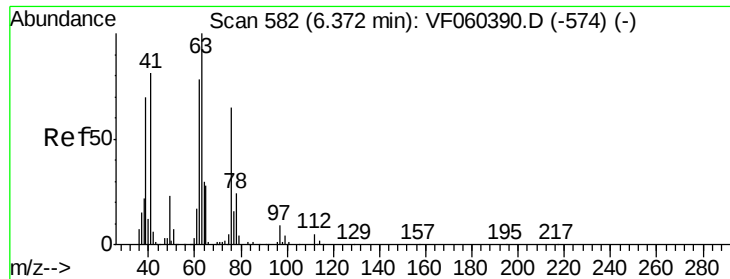
Trichloroethene
 Concen: 48.014 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	224.4



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





#45

1,2-Dichloropropane

Concen: 48.995 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

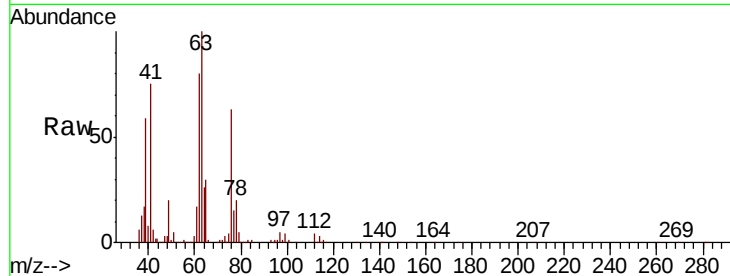
VSTDCCC050

Tot Ion: 63 Resp: 155378

Ion Ratio Lower Upper

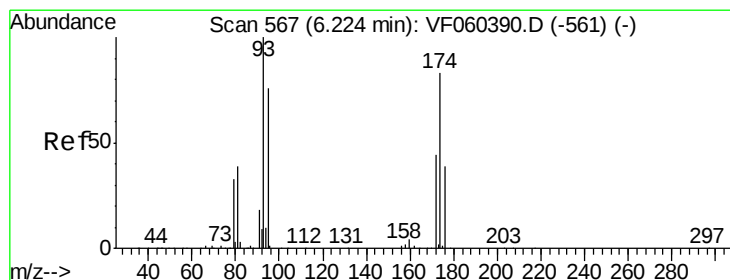
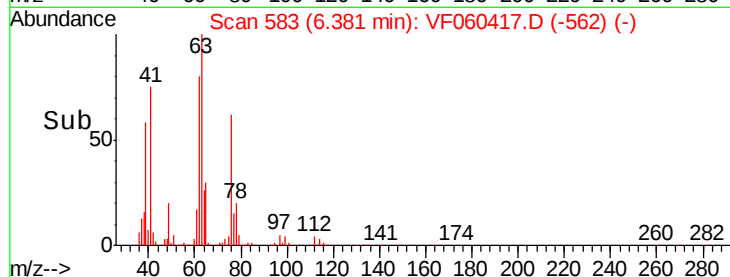
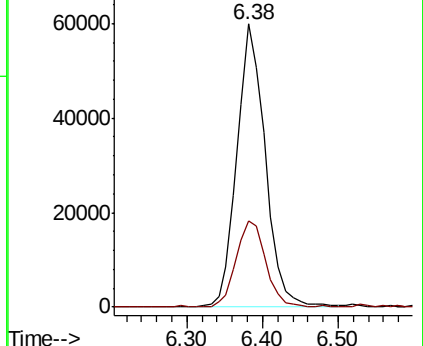
63 100

65 30.3 22.7 34.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 46.815 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

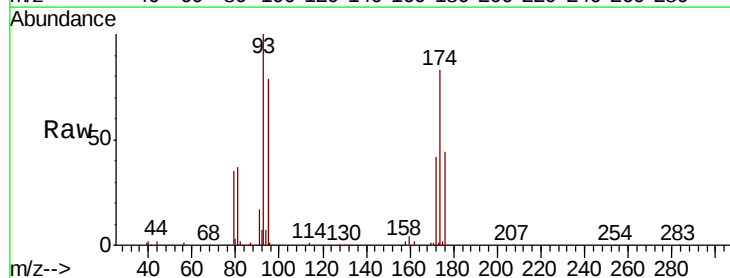
Tgt Ion: 93 Resp: 119365

Ion Ratio Lower Upper

93 100

95 79.1 61.1 91.7

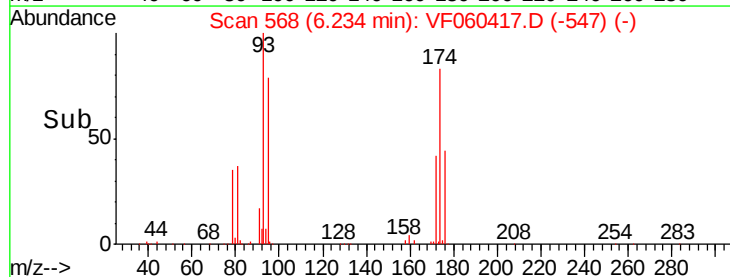
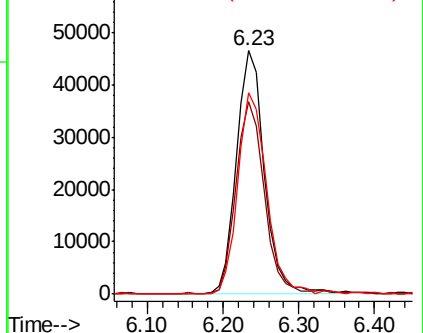
174 82.6 66.7 100.1

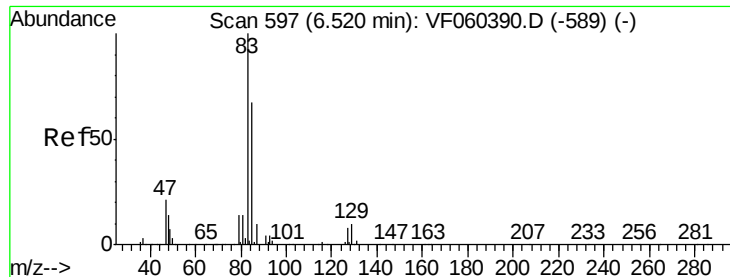


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 47.731 ug/l

RT: 6.53 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

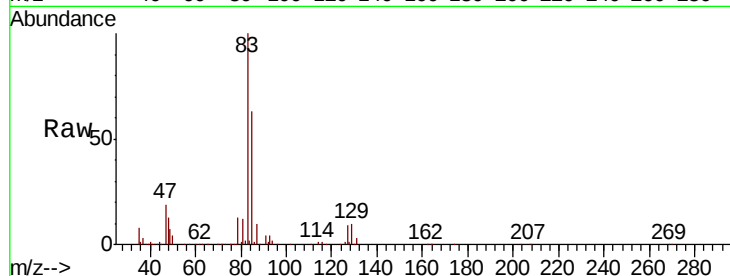
Tot Ion: 83 Resp: 301410

Ion Ratio Lower Upper

83 100

85 63.2 53.2 79.8

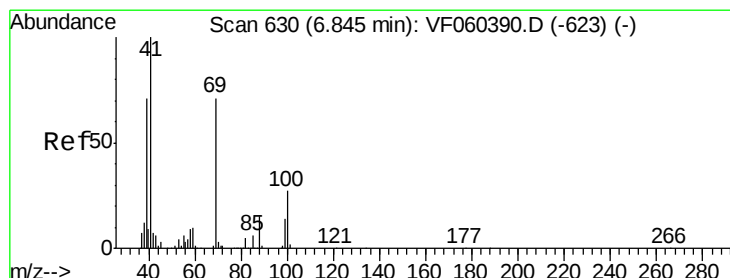
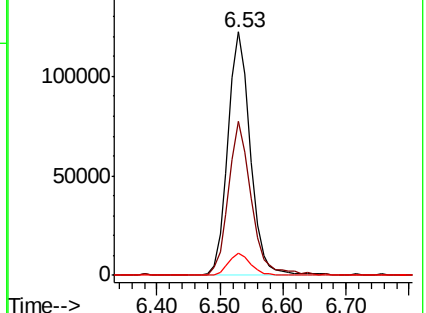
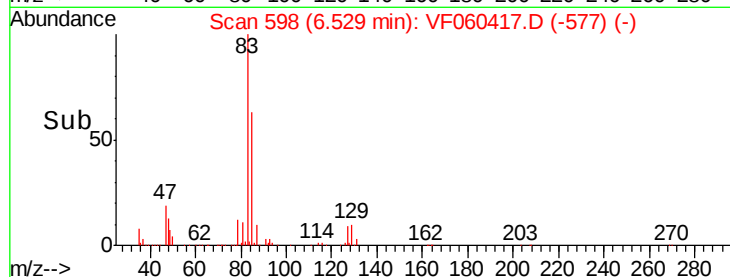
127 9.4 6.6 9.8



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: 44.397 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

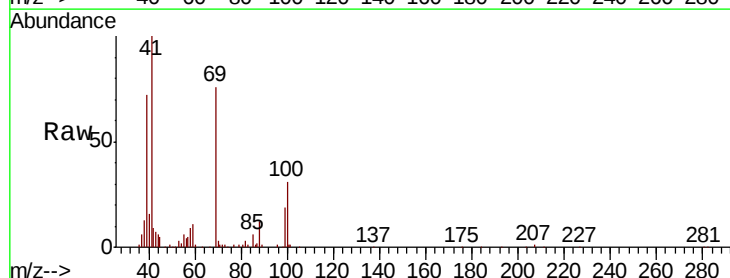
Tgt Ion: 41 Resp: 88469

Ion Ratio Lower Upper

41 100

69 76.4 56.3 84.5

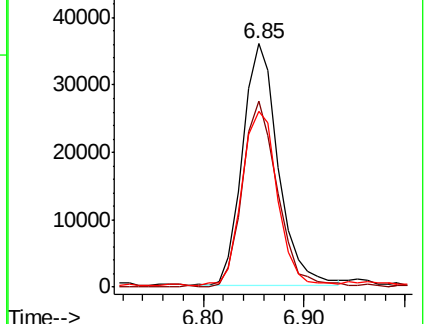
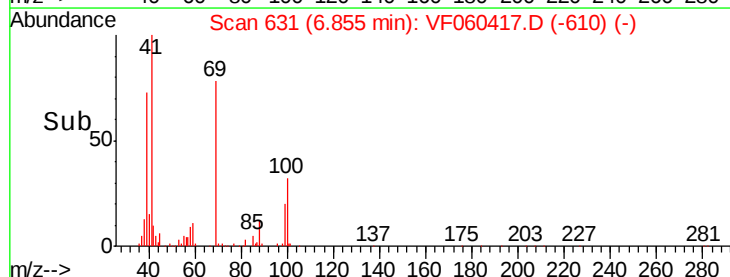
39 72.4 56.9 85.3

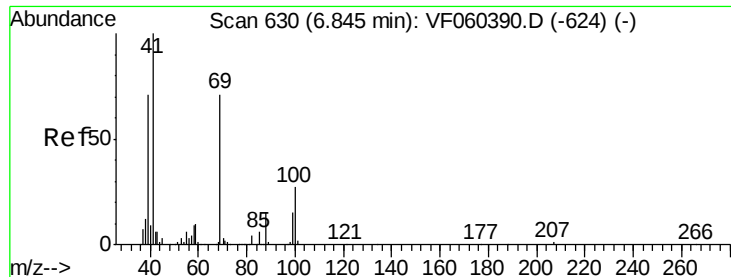


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 962.209 ug/l

RT: 6.84 min Scan# 630

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

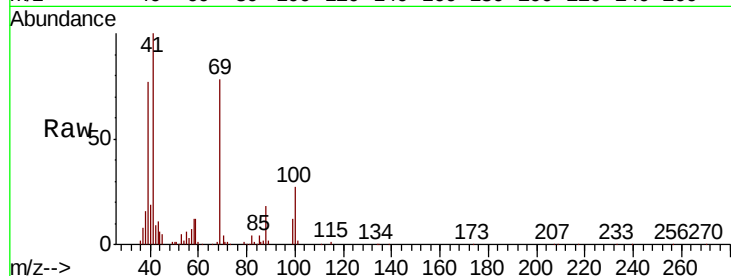
Tot Ion: 88 Resp: 16532

Ion Ratio Lower Upper

88 100

43 63.1 38.3 57.5#

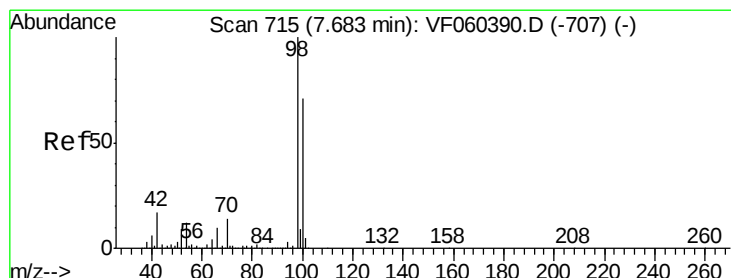
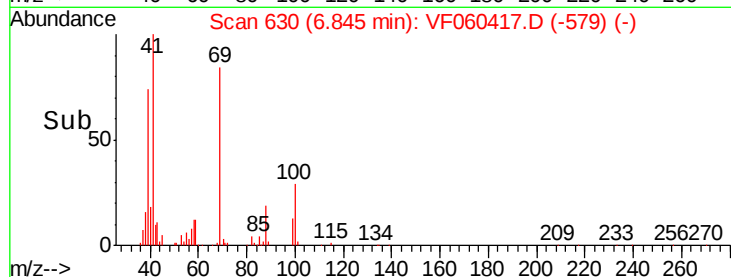
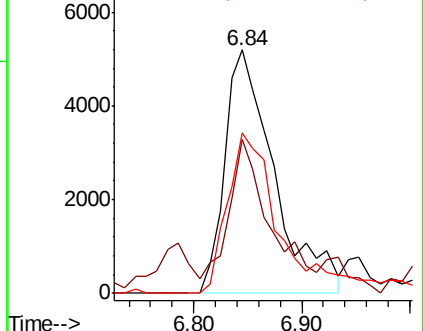
58 65.7 47.4 71.2



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: 50.153 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.01 min

Lab File: VF060417.D

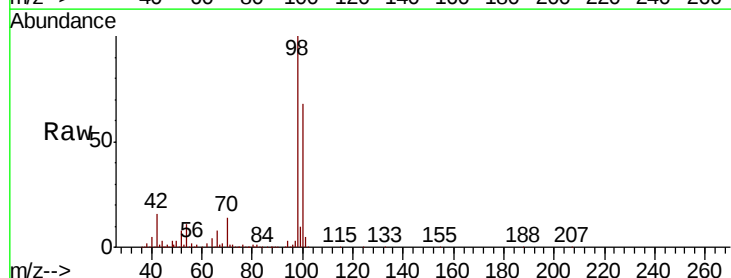
Acq: 3 Oct 2018 15:41

Tgt Ion: 98 Resp: 564550

Ion Ratio Lower Upper

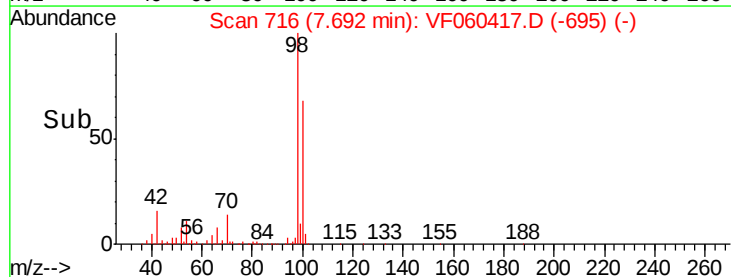
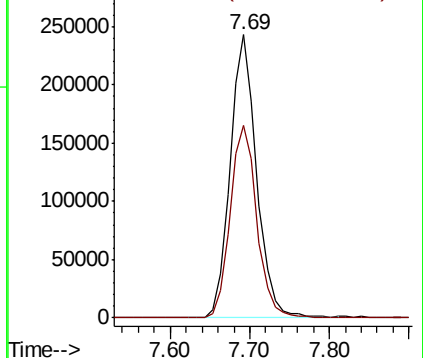
98 100

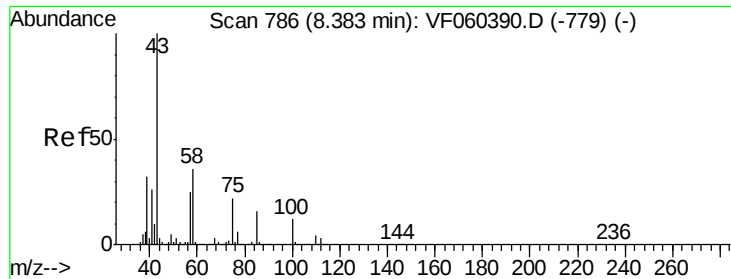
100 68.0 56.5 84.7



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: 228.077 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

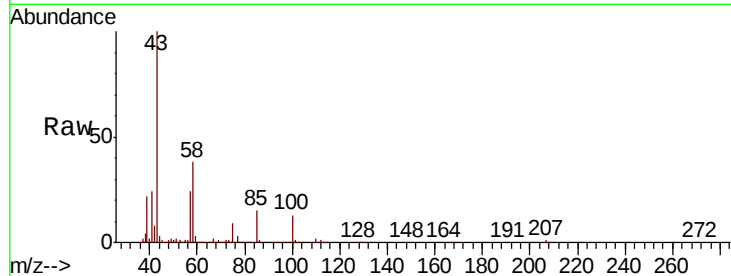
VSTDCCC050

Tot Ion: 43 Resp: 450693

Ion Ratio Lower Upper

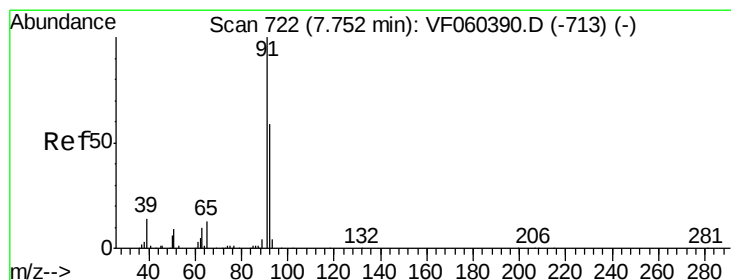
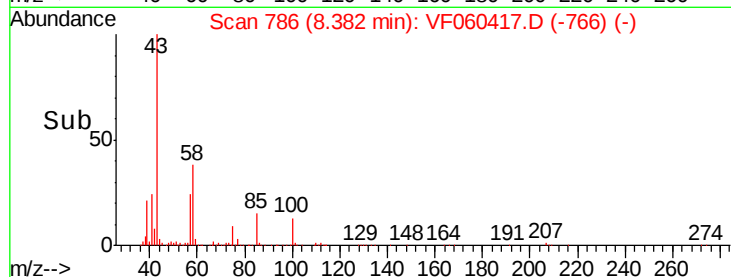
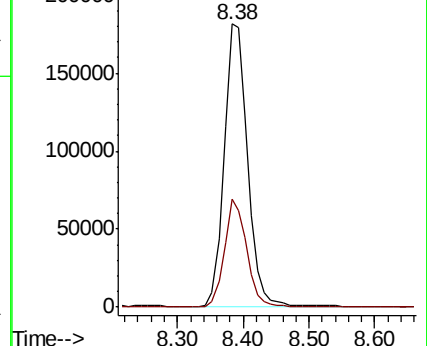
43 100

58 38.2 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.253 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060417.D

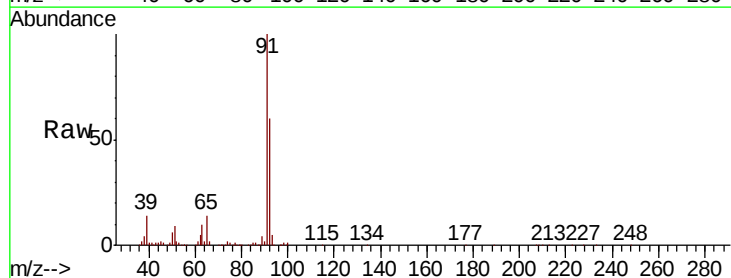
Acq: 3 Oct 2018 15:41

Tgt Ion: 92 Resp: 398377

Ion Ratio Lower Upper

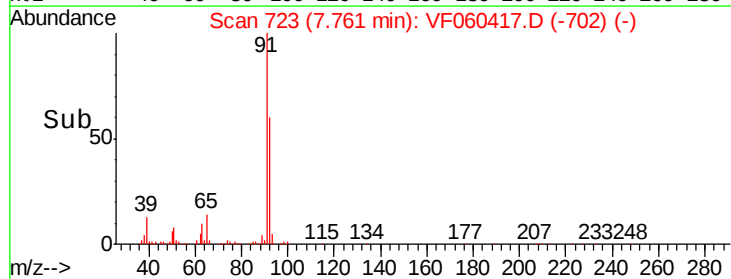
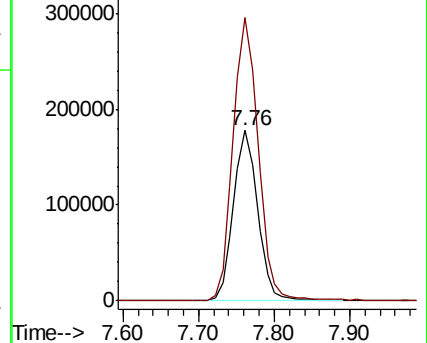
92 100

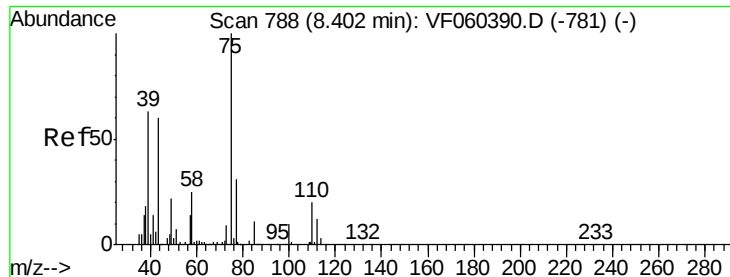
91 165.9 135.4 203.0



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: 47.958 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

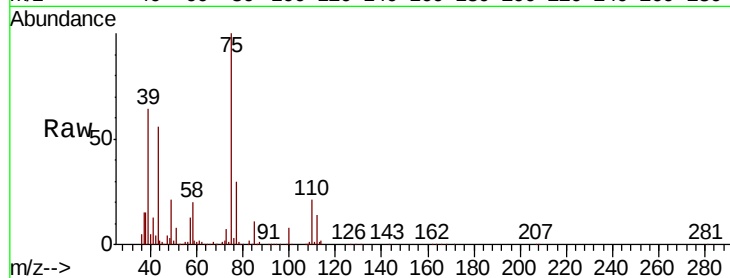
VSTDCCC050

Tot Ion: 75 Resp: 237335

Ion Ratio Lower Upper

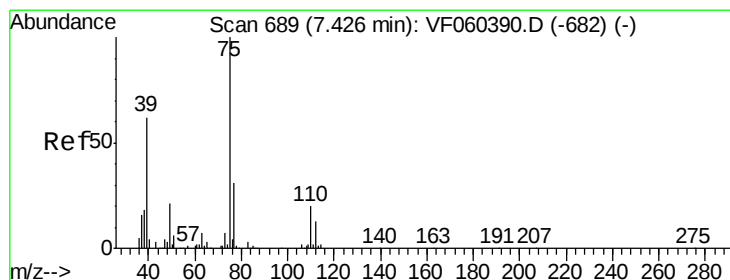
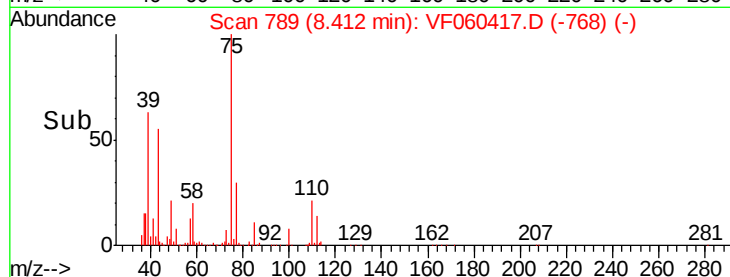
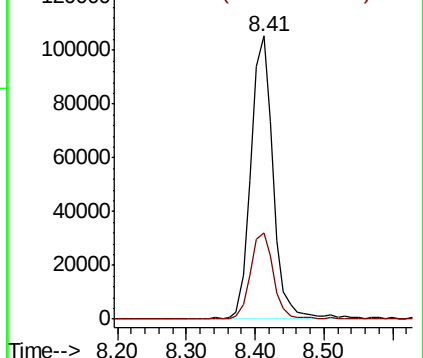
75 100

77 30.5 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 48.258 ug/l

RT: 7.44 min Scan# 690

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

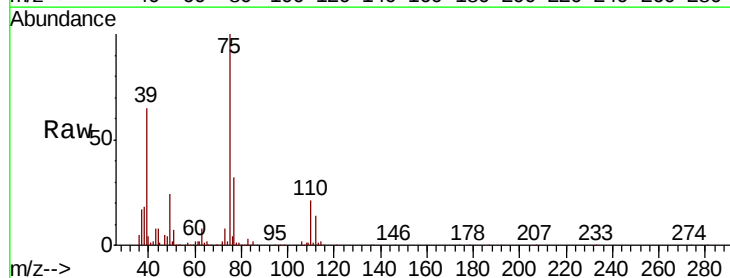
Tgt Ion: 75 Resp: 279114

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

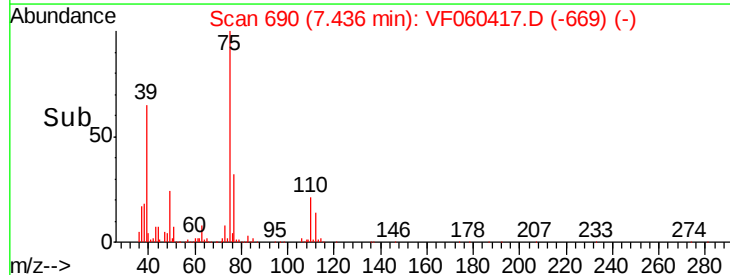
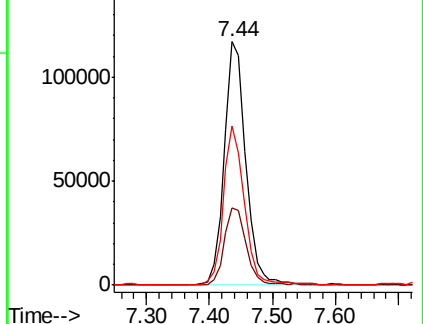
39 65.1 49.7 74.5

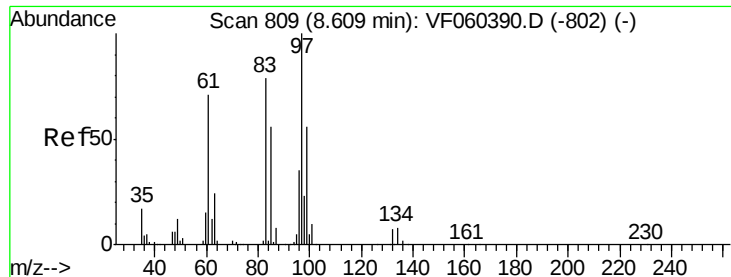


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

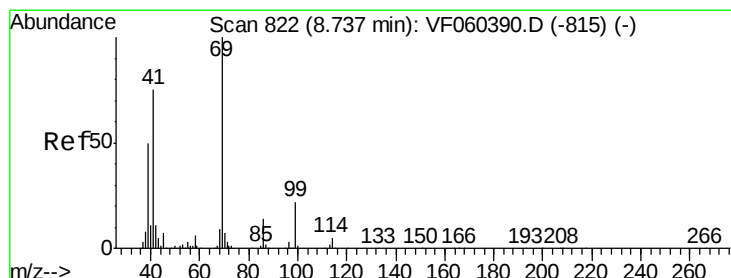
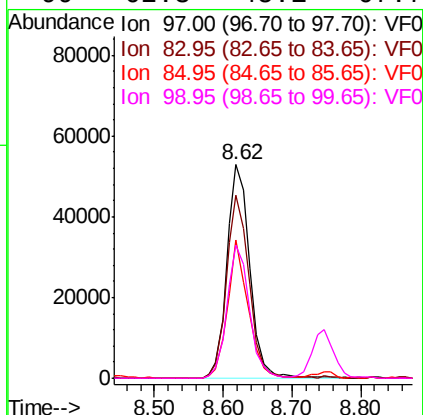
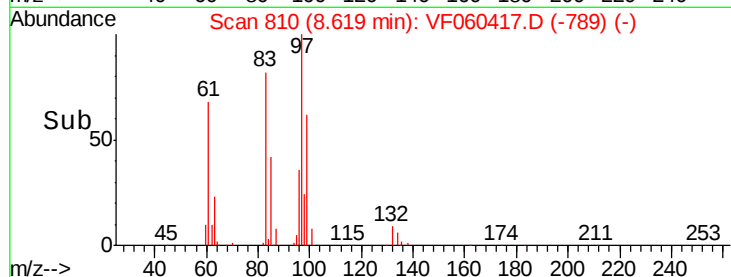
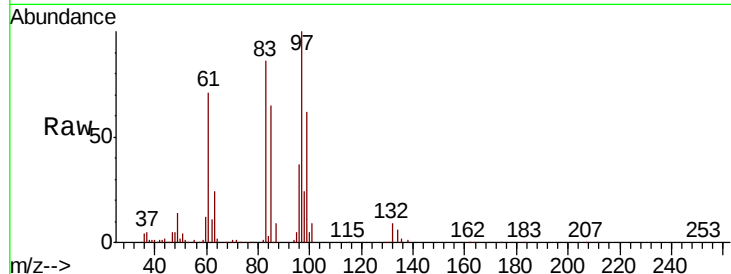




#55
 1,1,2-Trichloroethane
 Concen: 47.292 ug/l
 RT: 8.62 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

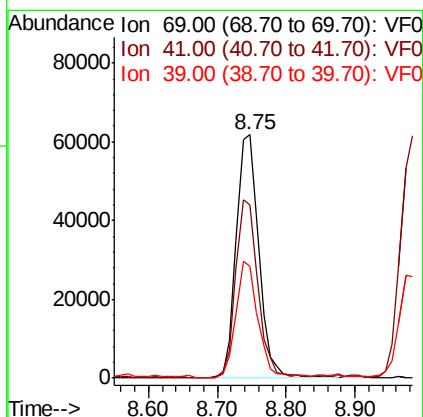
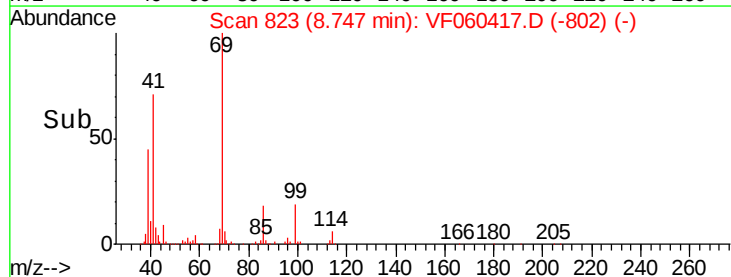
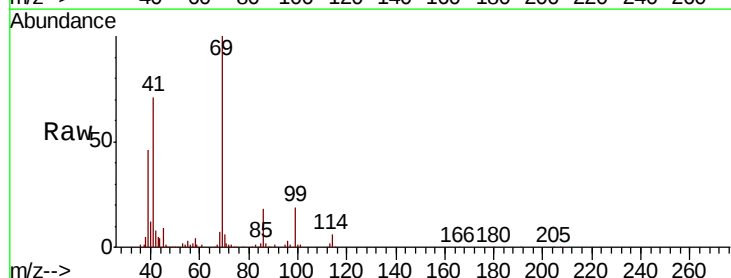
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

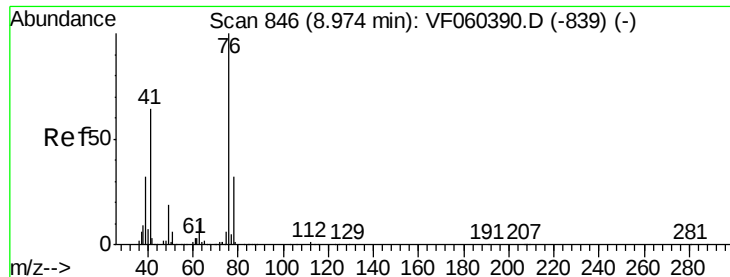
Tot Ion:	97	Resp:	121245
Ion	Ratio	Lower	Upper
97	100		
83	85.7	63.4	95.0
85	64.9	44.5	66.7
99	62.3	45.1	67.7



#56
 Ethyl methacrylate
 Concen: 48.618 ug/l
 RT: 8.75 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion:	69	Resp:	141637
Ion	Ratio	Lower	Upper
69	100		
41	70.9	60.2	90.4
39	46.0	40.2	60.2





#57

1,3-Dichloropropane

Concen: 49.089 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

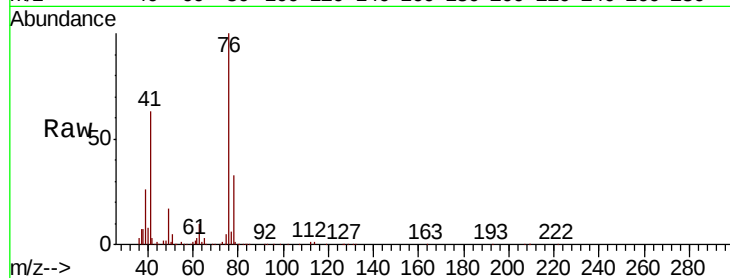
VSTDCCC050

Tot Ion: 76 Resp: 212911

Ion Ratio Lower Upper

76 100

78 33.5 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.98

100000

80000

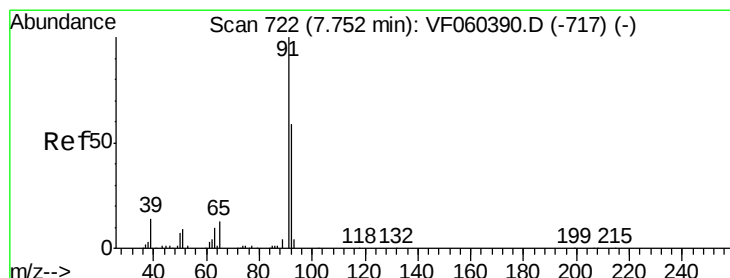
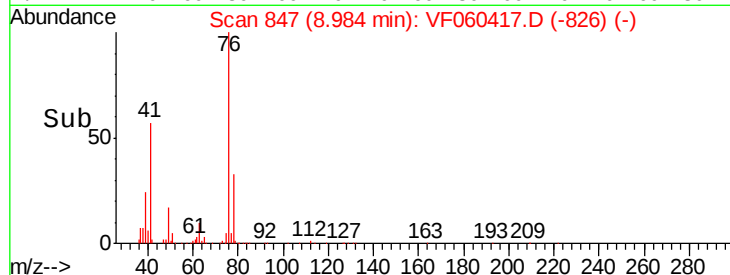
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 226.643 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060417.D

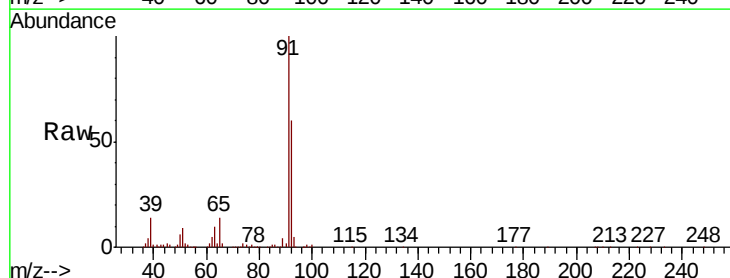
Acq: 3 Oct 2018 15:41

Tgt Ion: 63 Resp: 67444

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

7.76

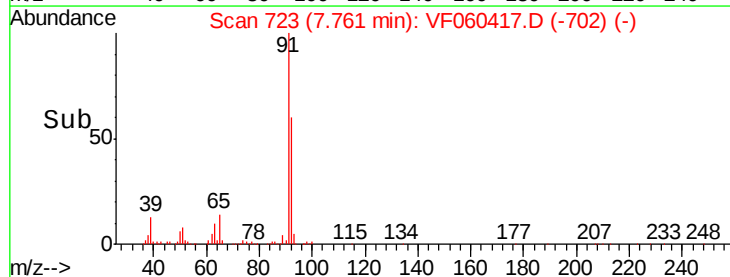
30000

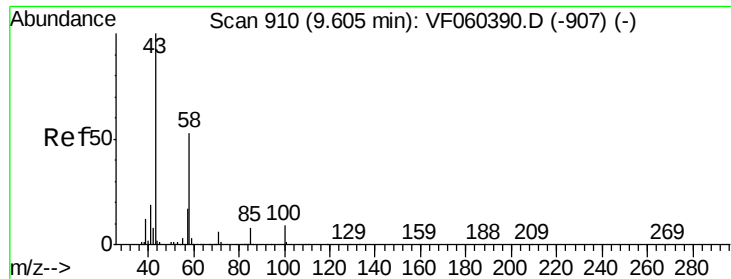
20000

10000

0

Time-->

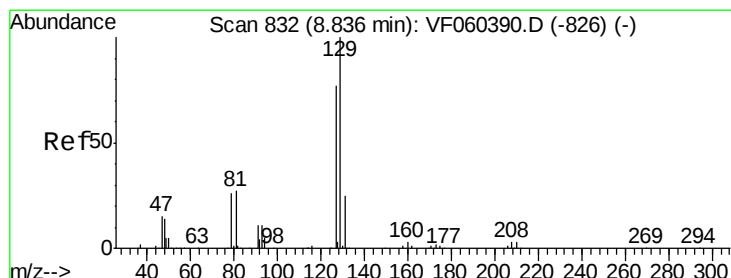
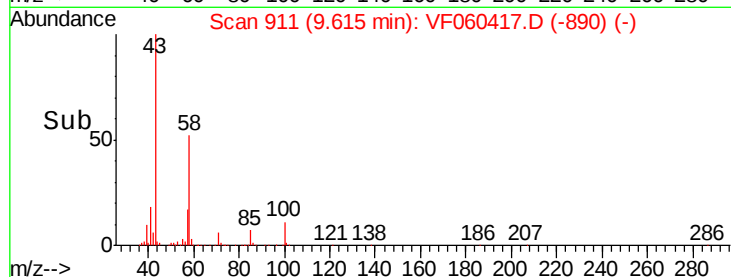
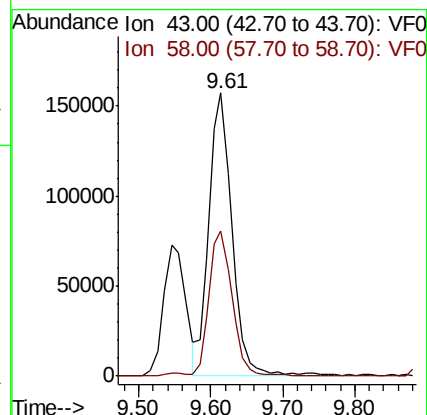
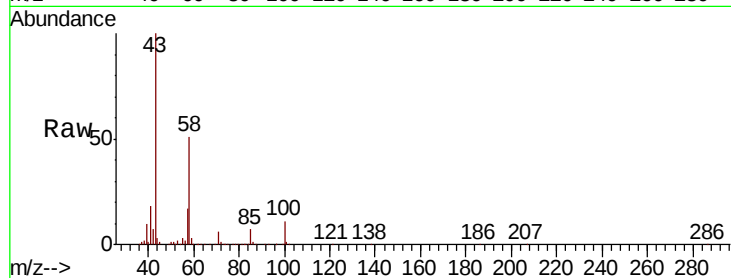




#59
2-Hexanone
Concen: 239.124 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

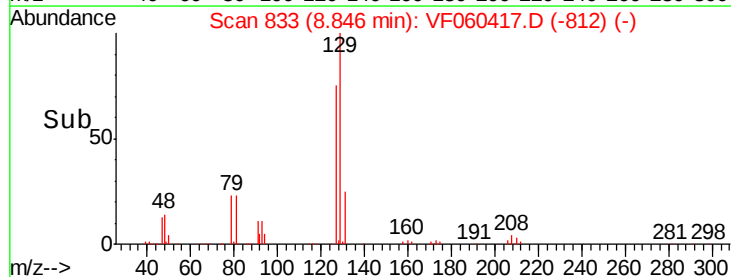
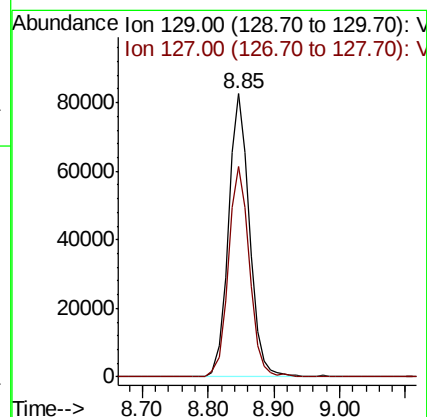
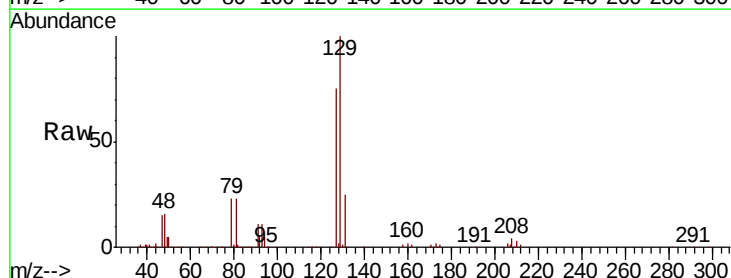
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

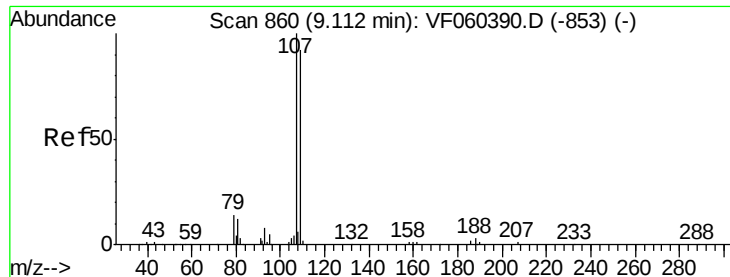
Tot Ion: 43 Resp: 346588
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.6



#60
Dibromochloromethane
Concen: 48.009 ug/l
RT: 8.85 min Scan# 833
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion: 129 Resp: 185323
Ion Ratio Lower Upper
129 100
127 74.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 49.812 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

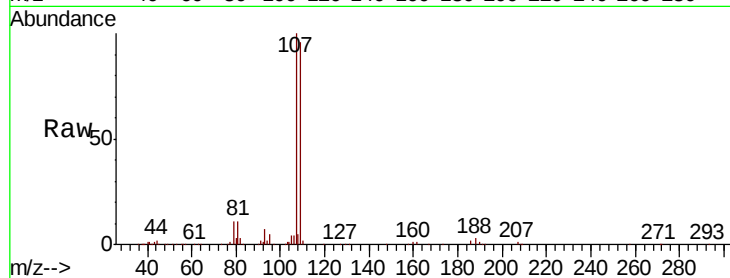
VSTDCCC050

Tot Ion:107 Resp: 139738

Ion Ratio Lower Upper

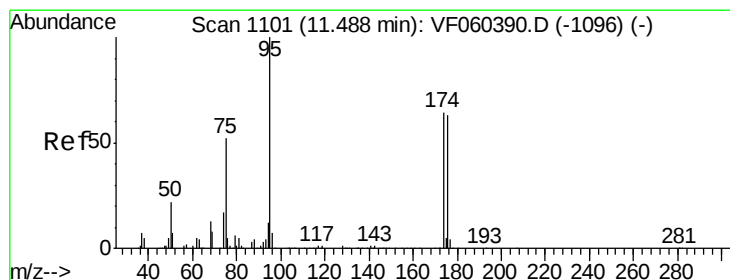
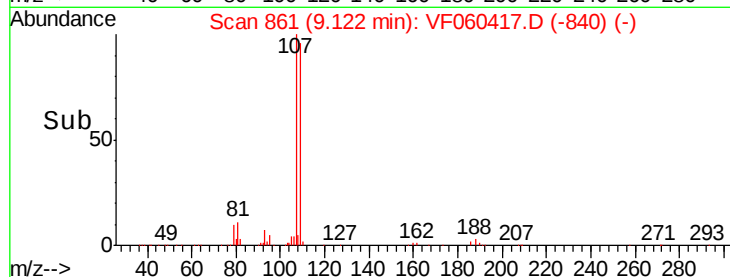
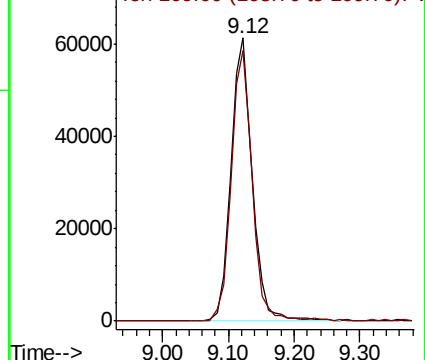
107 100

109 95.6 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.503 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

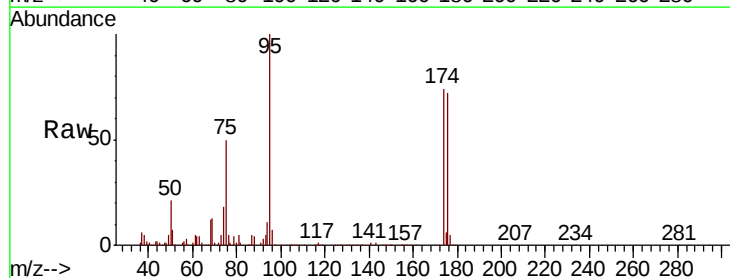
Tgt Ion: 95 Resp: 239010

Ion Ratio Lower Upper

95 100

174 74.5 0.0 129.0

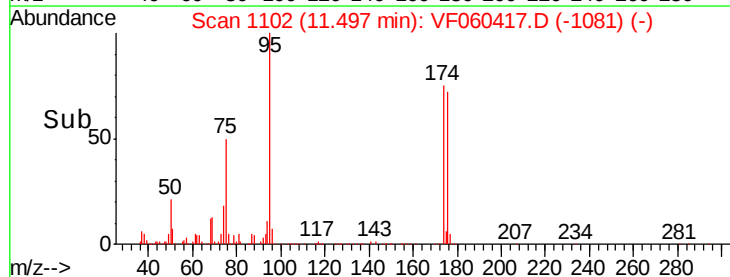
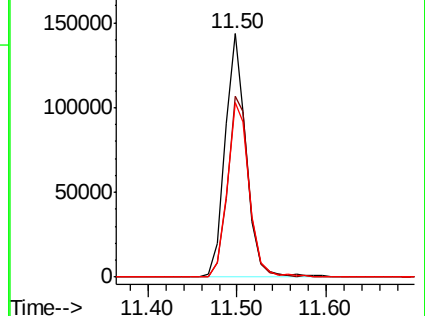
176 71.8 0.0 125.6

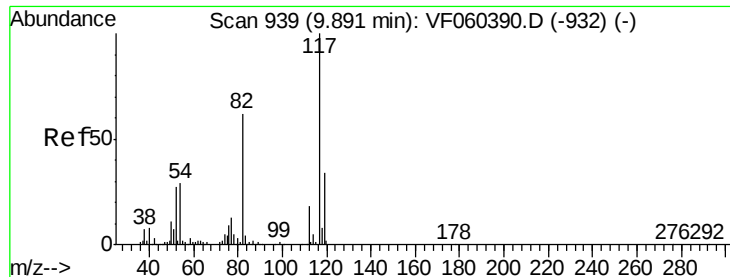


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

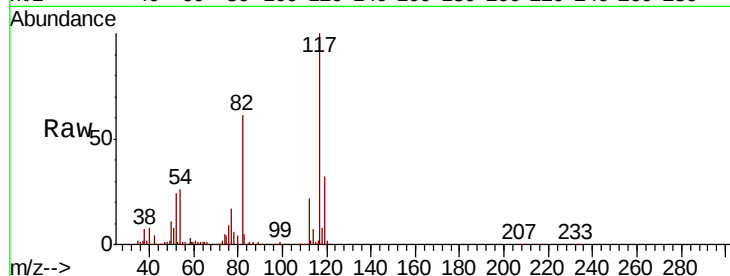




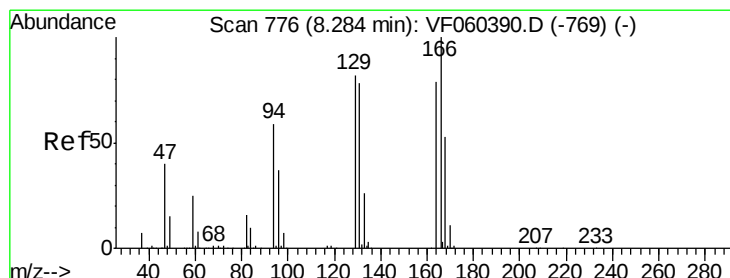
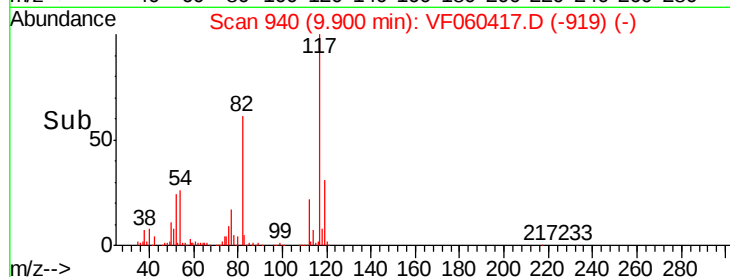
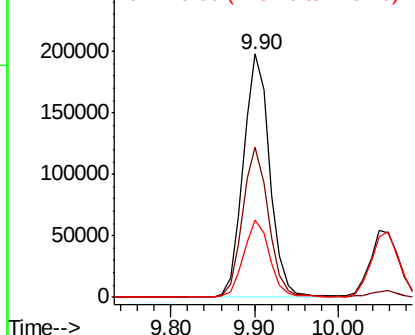
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 434281
Ion Ratio Lower Upper
117 100
82 61.4 49.5 74.3
119 31.5 27.0 40.6

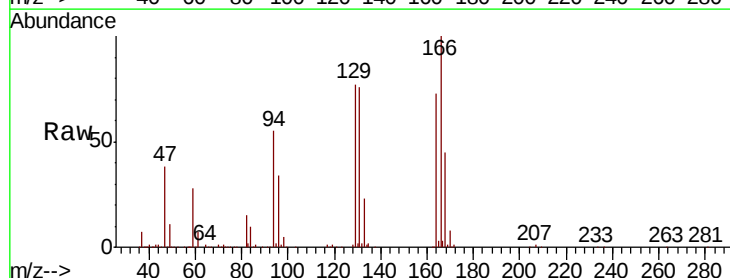


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

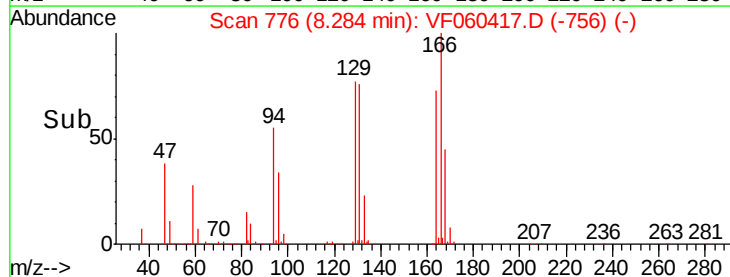
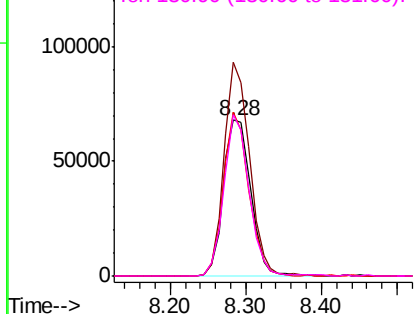


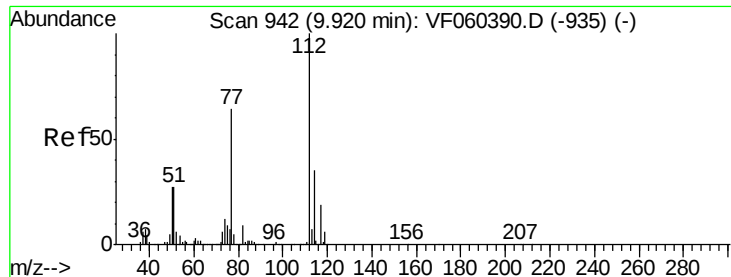
#64
Tetrachloroethene
Concen: 49.314 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.00 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion:164 Resp: 170245
Ion Ratio Lower Upper
164 100
166 137.0 101.0 151.6
129 105.3 82.5 123.7
131 103.8 79.2 118.8



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

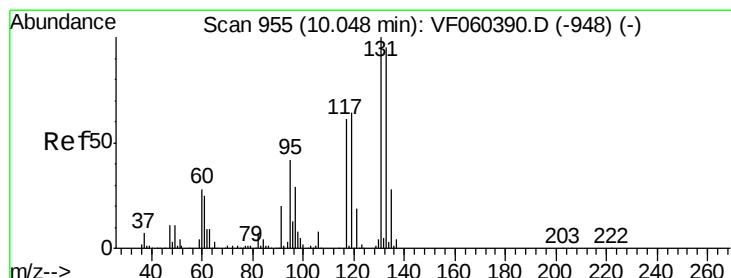
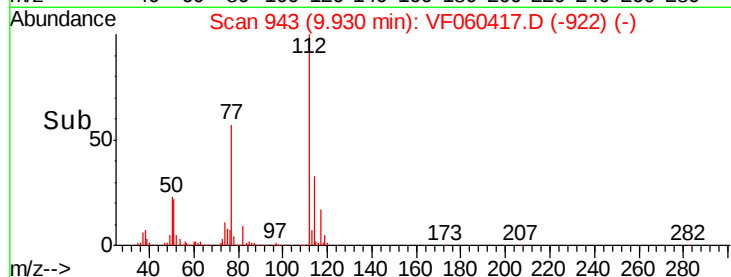
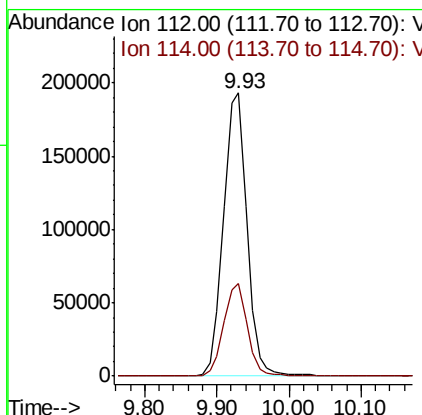
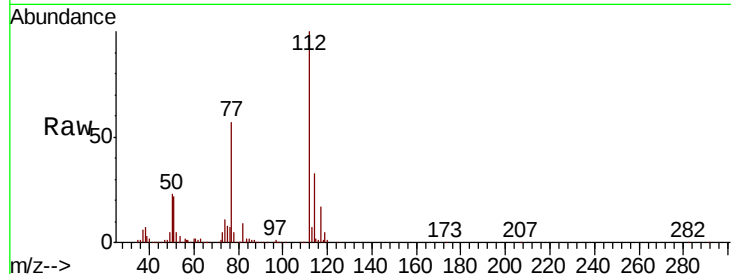




#65
Chlorobenzene
Concen: 48.861 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

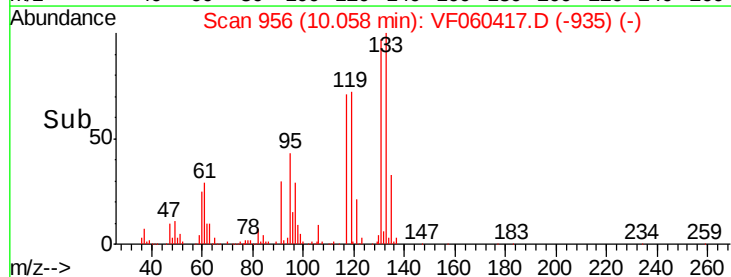
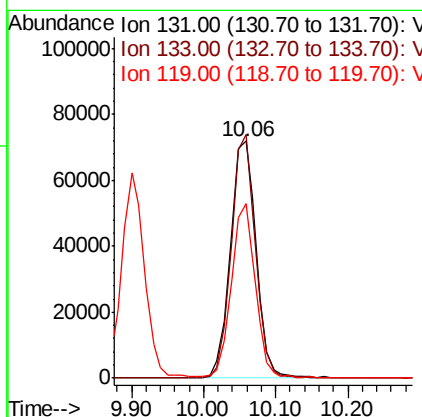
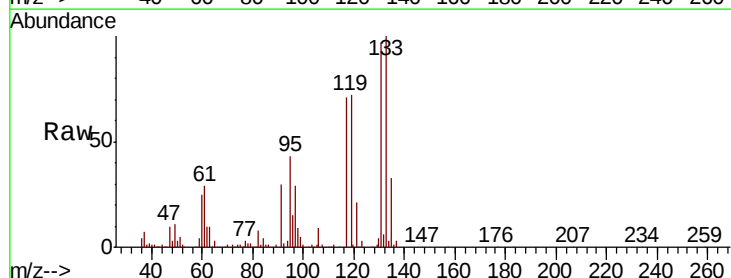
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

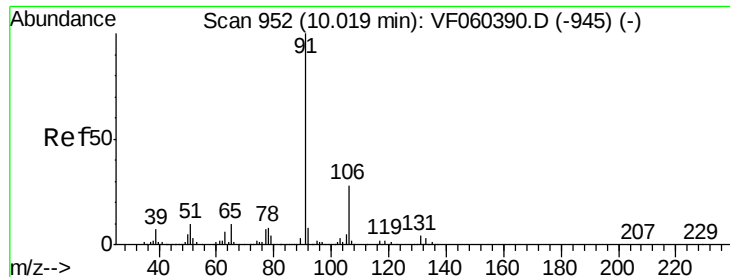
Tot Ion:112 Resp: 435888
Ion Ratio Lower Upper
112 100
114 32.8 27.7 41.5



#66
1,1,1,2-Tetrachloroethane
Concen: 46.083 ug/l
RT: 10.06 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion:131 Resp: 179501
Ion Ratio Lower Upper
131 100
133 102.7 47.3 141.8
119 73.8 32.3 96.9





#67

Ethyl Benzene

Concen: 48.029 ug/l

RT: 10.02 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

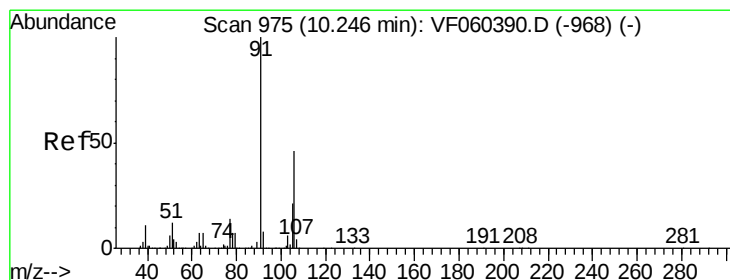
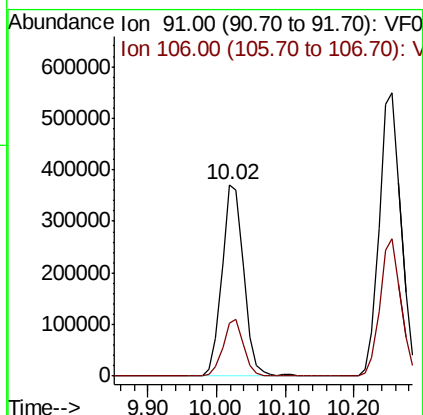
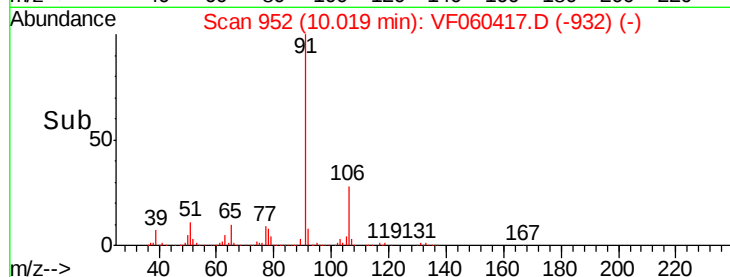
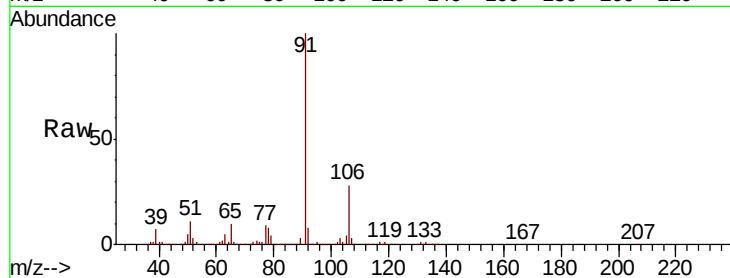
VSTDCCC050

Tot Ion: 91 Resp: 814671

Ion Ratio Lower Upper

91 100

106 27.6 22.5 33.7



#68

m/p-Xylenes

Concen: 98.698 ug/l

RT: 10.26 min Scan# 976

Delta R.T. 0.01 min

Lab File: VF060417.D

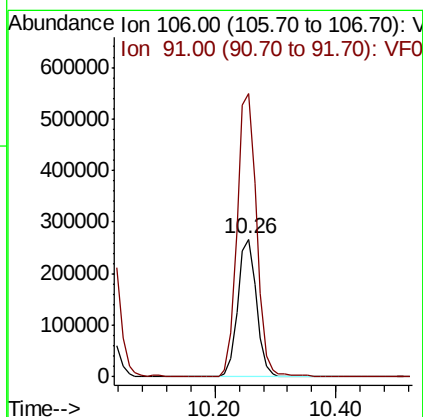
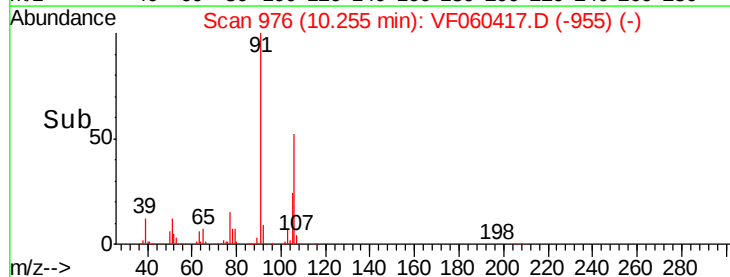
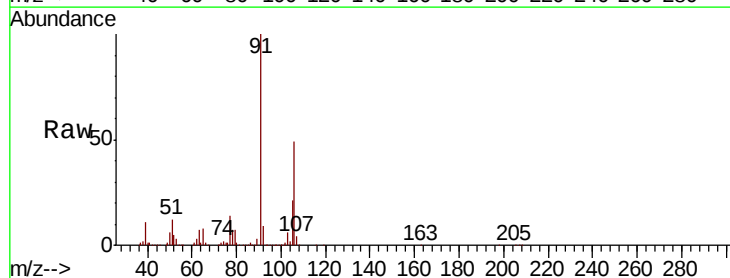
Acq: 3 Oct 2018 15:41

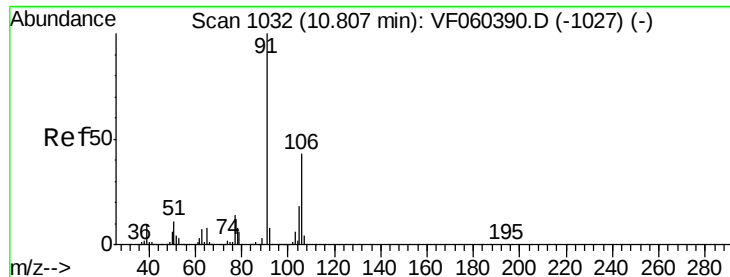
Tgt Ion: 106 Resp: 575510

Ion Ratio Lower Upper

106 100

91 205.6 175.0 262.6

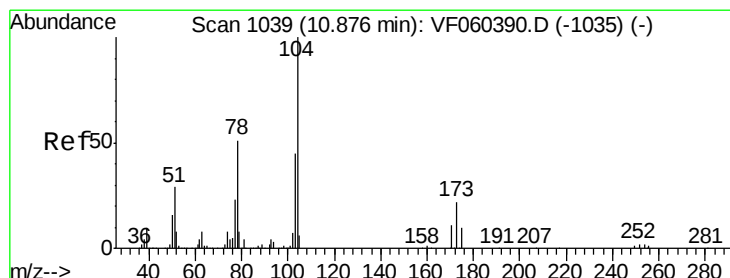
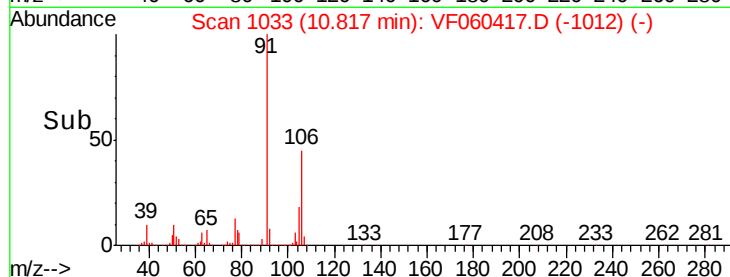
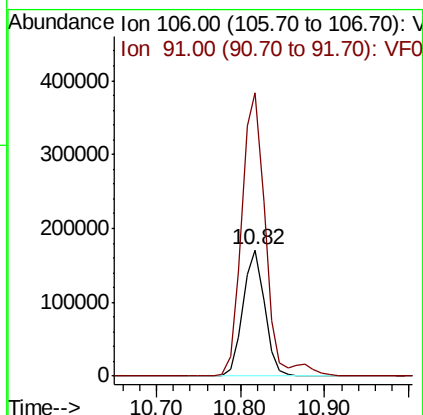
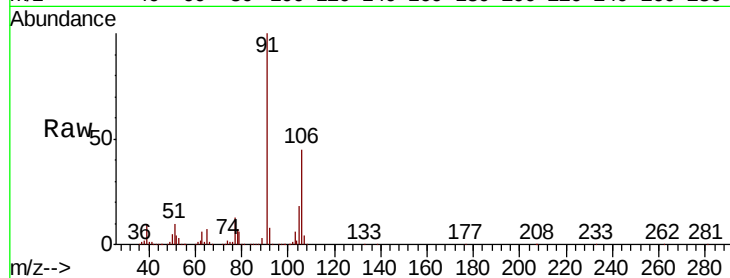




#69
o-Xylene
Concen: 48.814 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

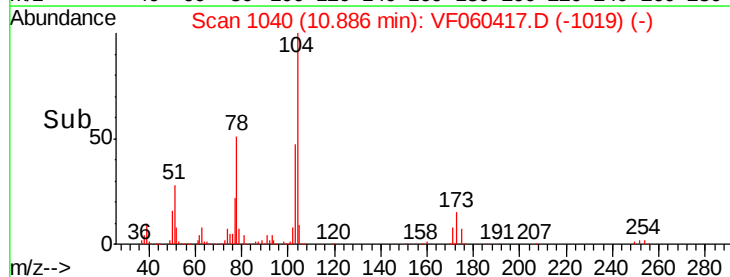
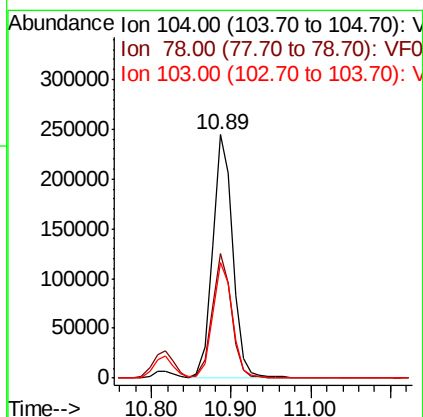
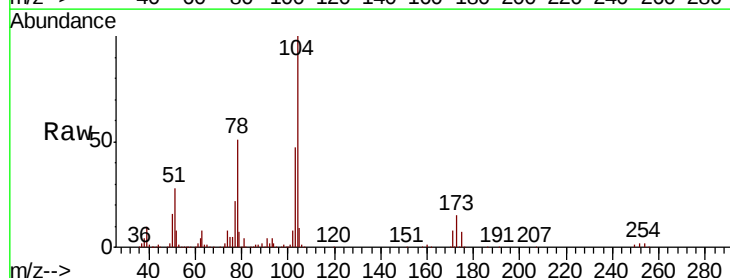
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

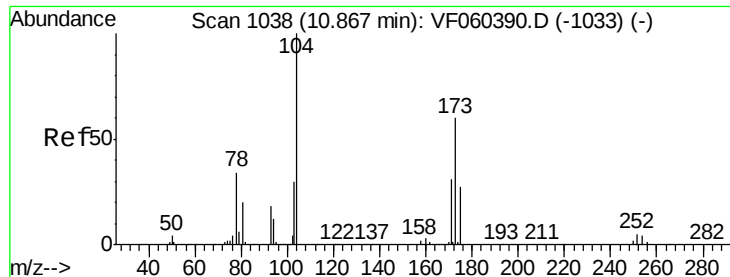
Tot Ion:106 Resp: 310256
Ion Ratio Lower Upper
106 100
91 224.2 115.1 345.2



#70
Styrene
Concen: 48.024 ug/l
RT: 10.89 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion:104 Resp: 434167
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.4
103 47.3 36.4 54.6





#71

Bromoform

Concen: 45.990 ug/l

RT: 10.88 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

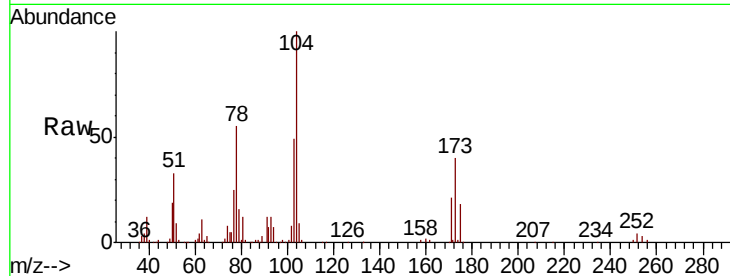
Tot Ion:173 Resp: 95376

Ion Ratio Lower Upper

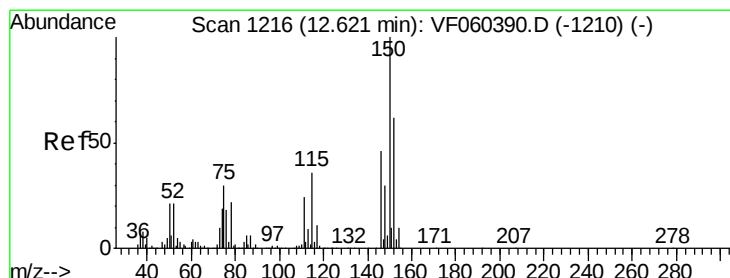
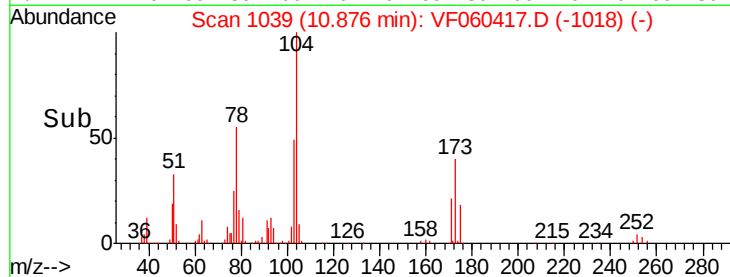
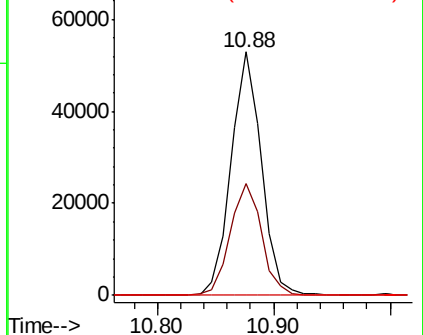
173 100

175 46.1 22.1 66.1

254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

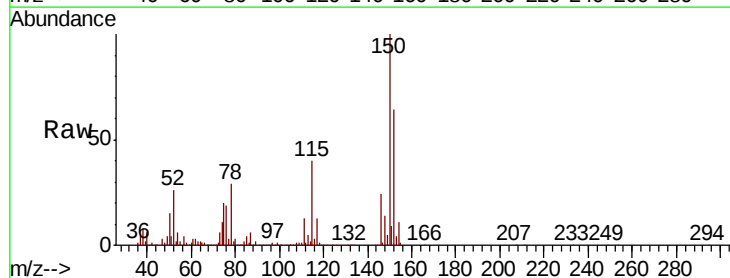
Tgt Ion:152 Resp: 227555

Ion Ratio Lower Upper

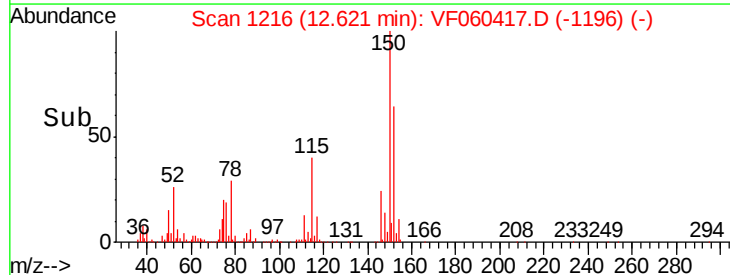
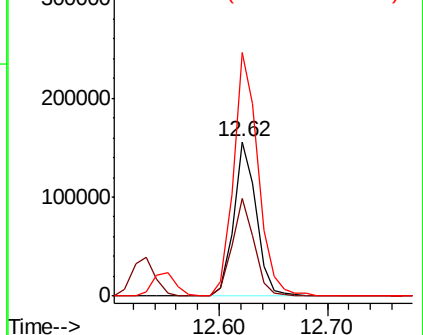
152 100

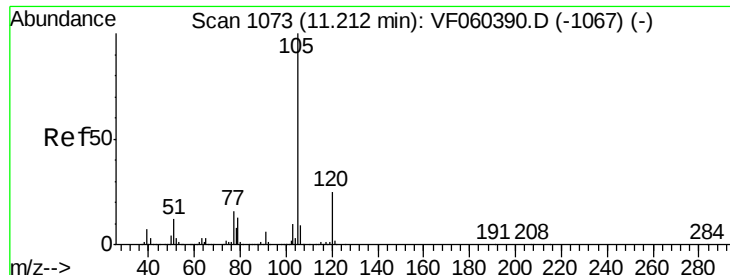
115 62.8 28.6 85.8

150 157.4 0.0 324.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 52.556 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

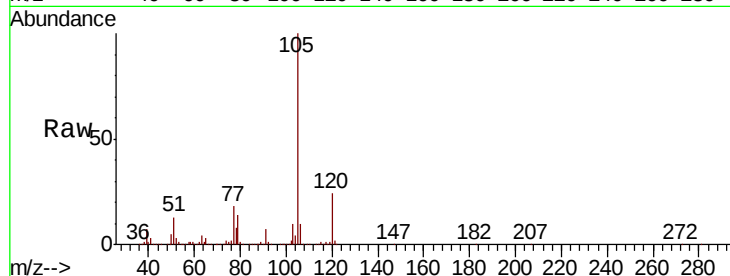
VSTDCCC050

Tot Ion: 105 Resp: 941645

Ion Ratio Lower Upper

105 100

120 24.1 12.3 36.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

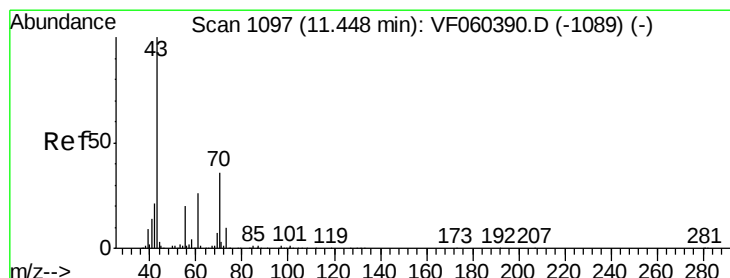
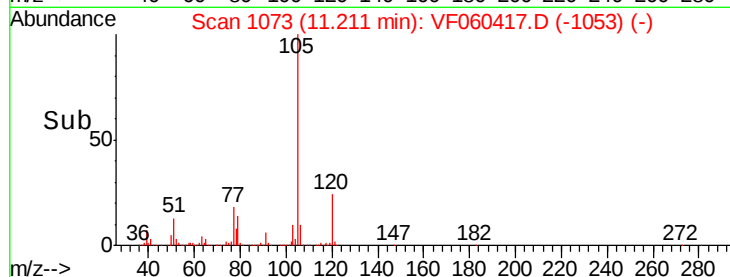
200000

100000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 46.849 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Tgt Ion: 43 Resp: 192648

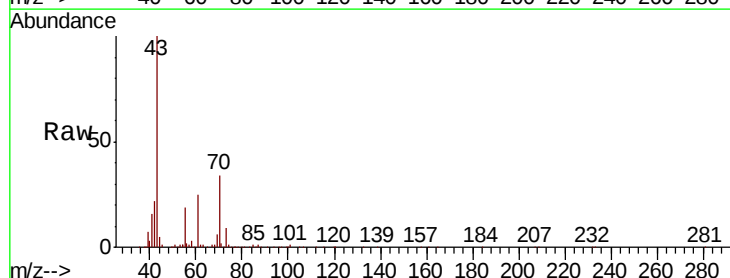
Ion Ratio Lower Upper

43 100

70 34.0 29.1 43.7

55 19.4 16.3 24.5

61 25.0 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

150000

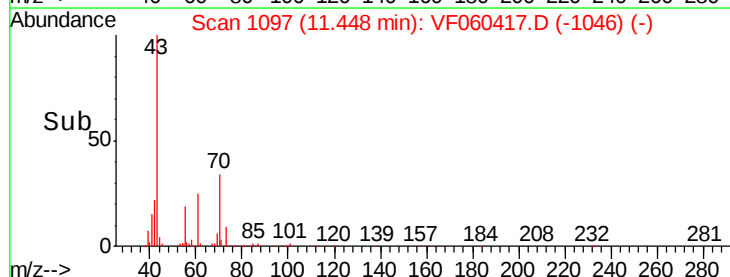
100000

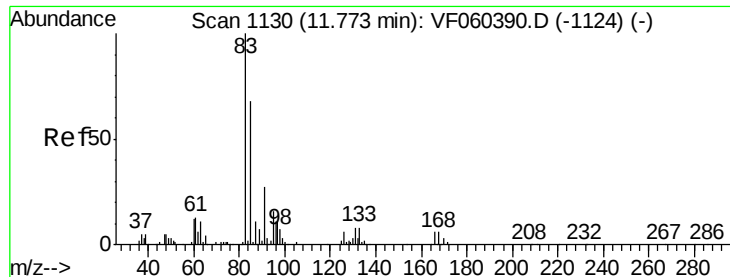
50000

0

11.30 11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.305 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

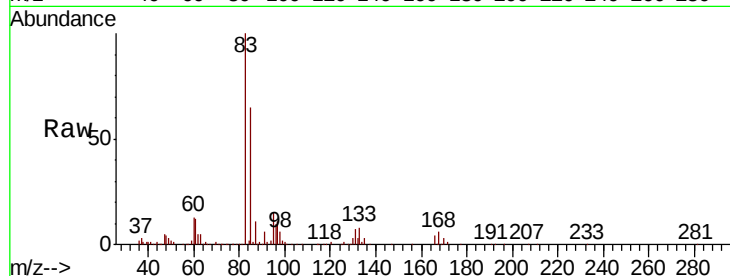
Tot Ion: 83 Resp: 164325

Ion Ratio Lower Upper

83 100

131 7.1 4.0 12.0

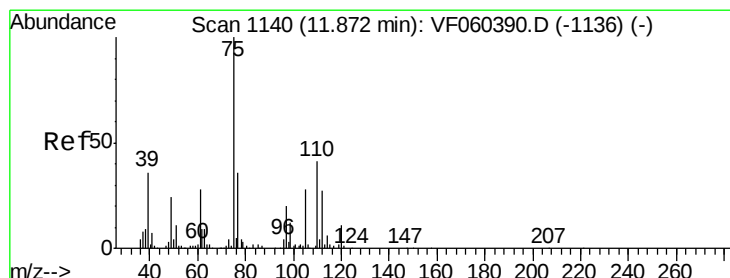
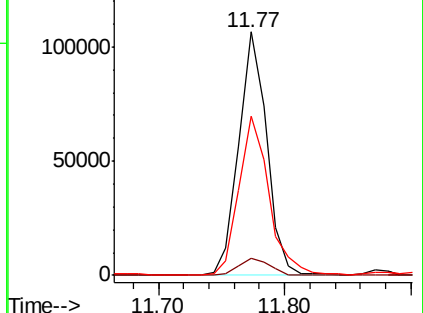
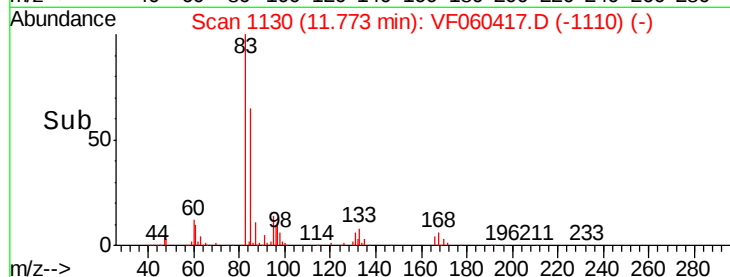
85 65.2 34.0 102.0



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: 46.566 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF060417.D

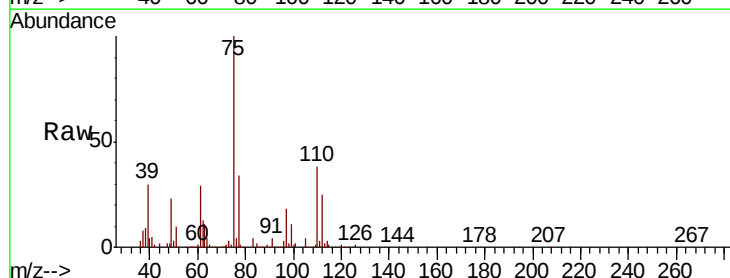
Acq: 3 Oct 2018 15:41

Tgt Ion: 75 Resp: 111984

Ion Ratio Lower Upper

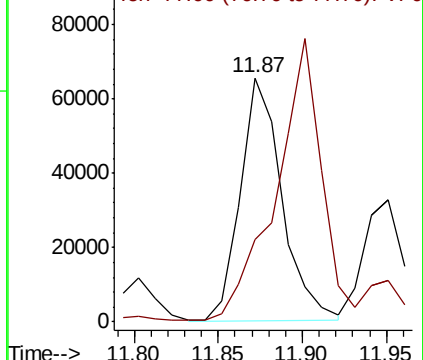
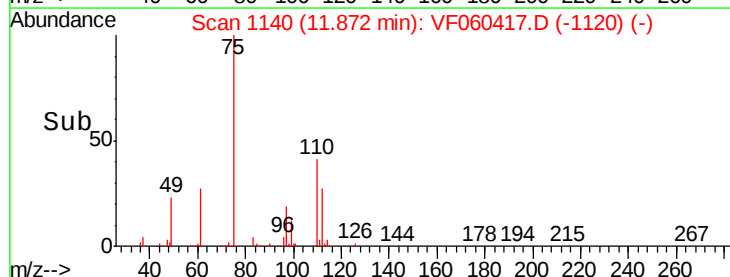
75 100

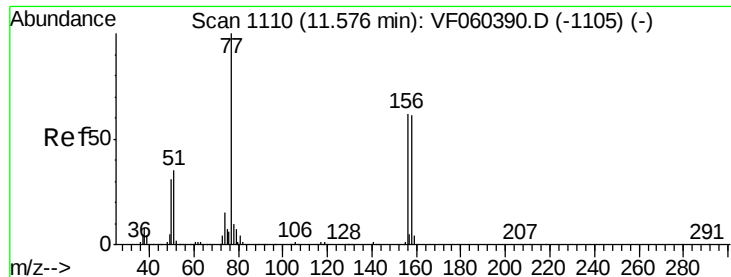
77 34.0 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 47.649 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

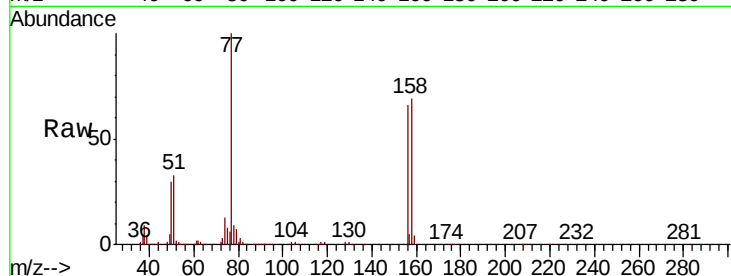
Tot Ion:156 Resp: 190840

Ion Ratio Lower Upper

156 100

77 151.4 81.3 243.9

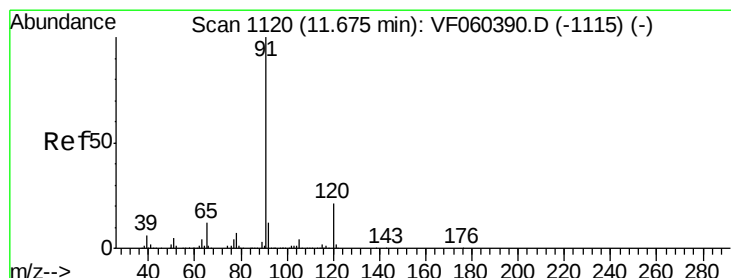
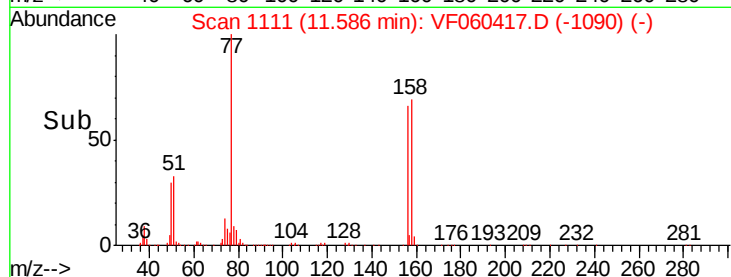
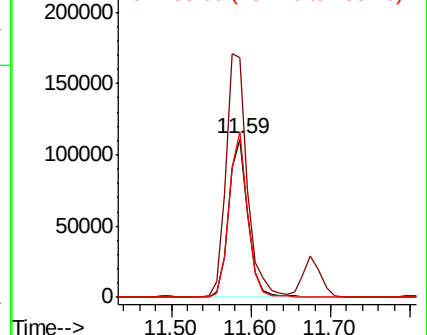
158 104.7 49.6 149.0



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: 49.782 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF060417.D

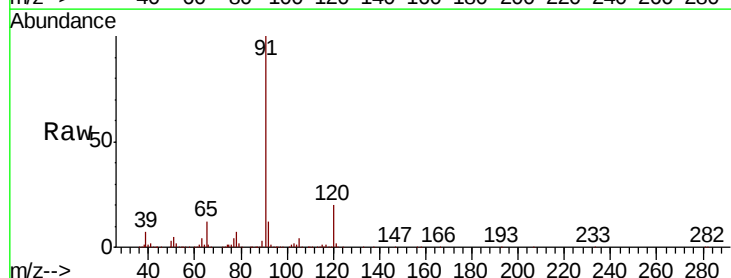
Acq: 3 Oct 2018 15:41

Tgt Ion: 91 Resp: 1081301

Ion Ratio Lower Upper

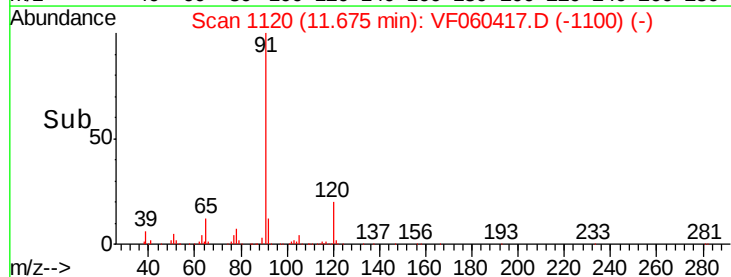
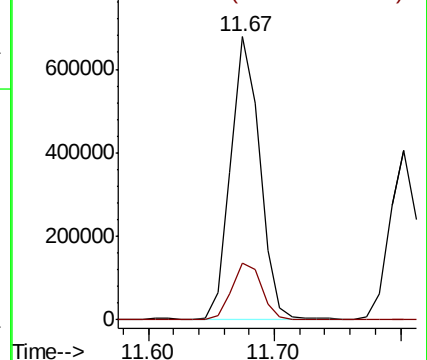
91 100

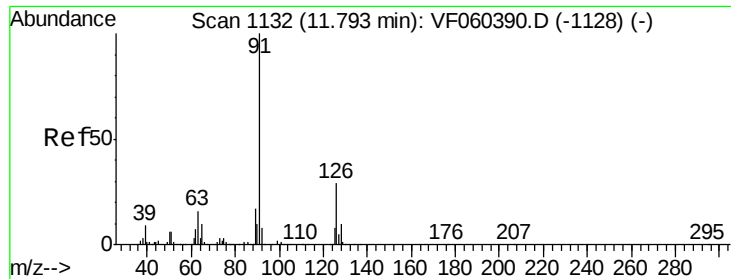
120 20.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

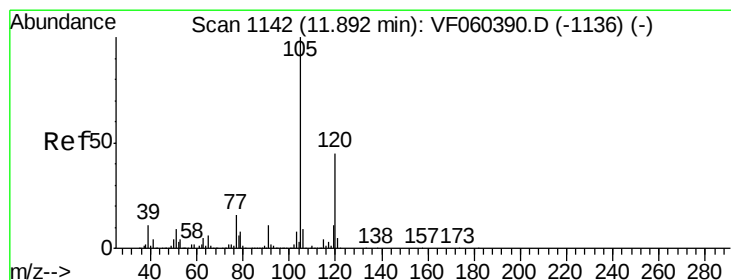
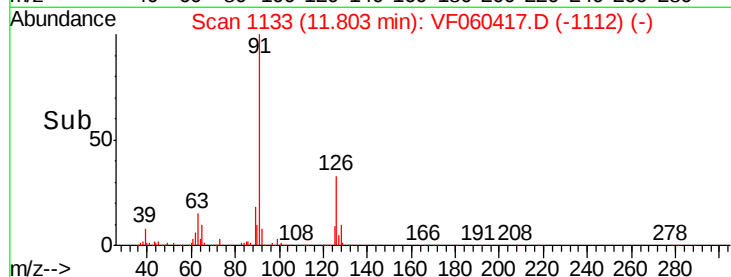
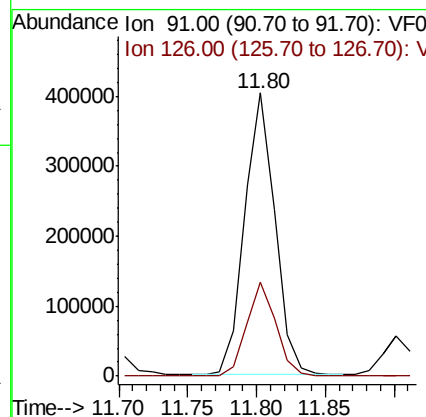
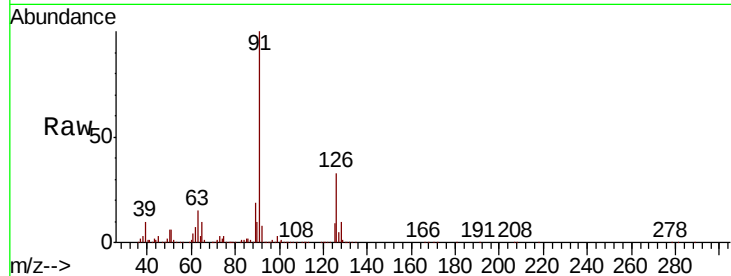




#79
 2-Chlorotoluene
 Concen: 48.923 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

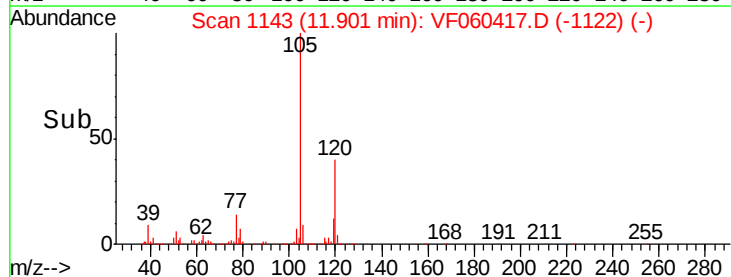
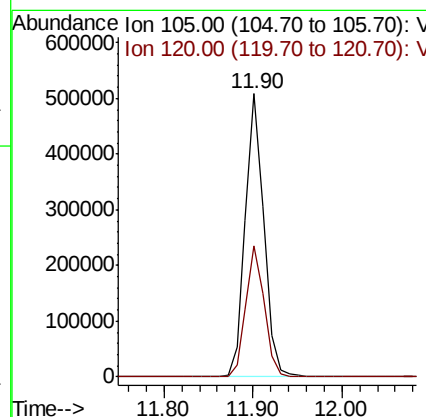
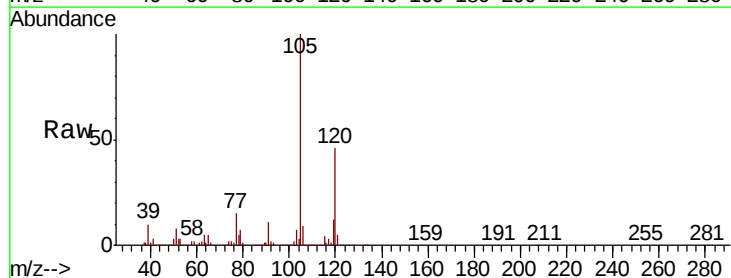
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

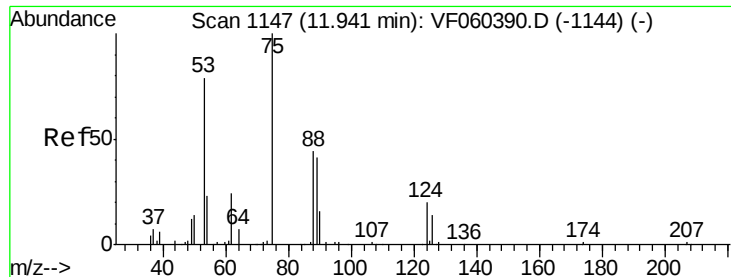
Tot Ion: 91 Resp: 621608
 Ion Ratio Lower Upper
 91 100
 126 33.0 14.4 43.4



#80
 1,3,5-Trimethylbenzene
 Concen: 48.456 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion: 105 Resp: 737618
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.3 66.9

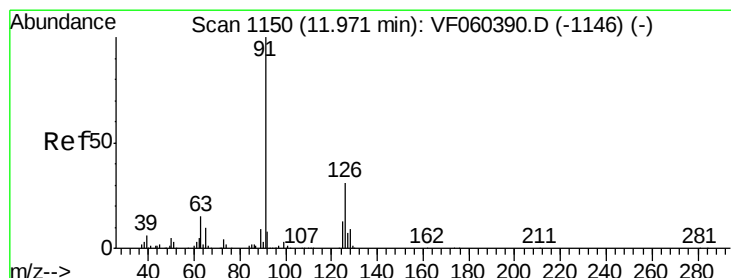
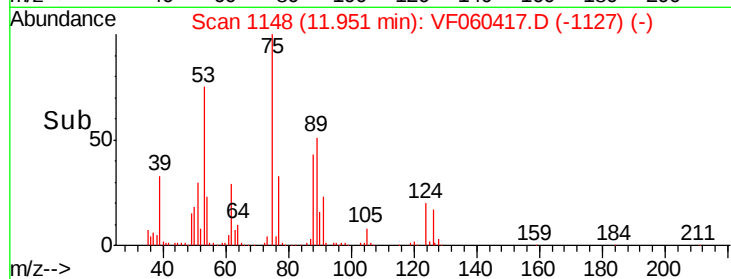
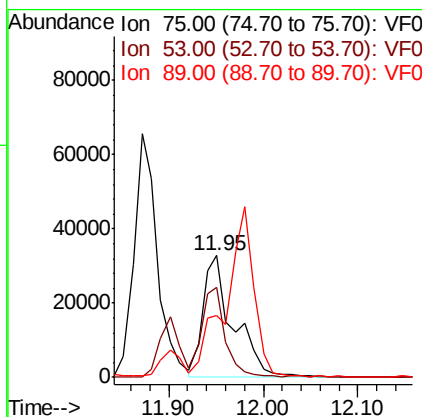
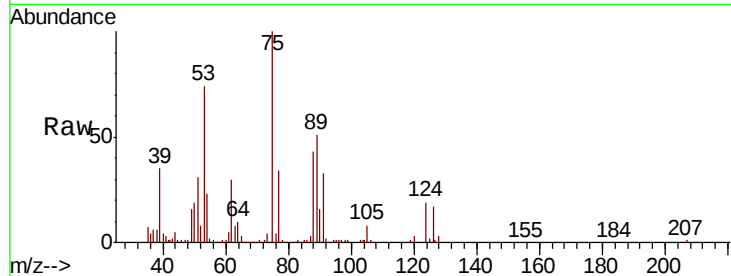




#81
trans-1,4-Dichloro-2-butene
Concen: 68.599 ug/l
RT: 11.95 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

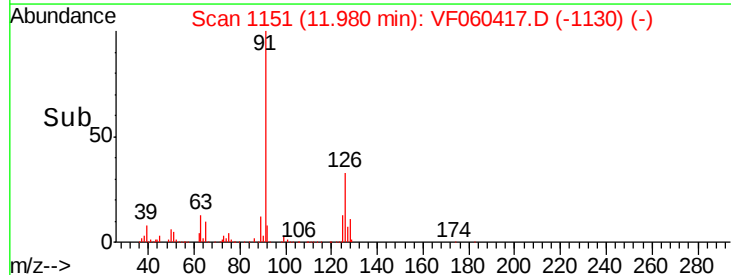
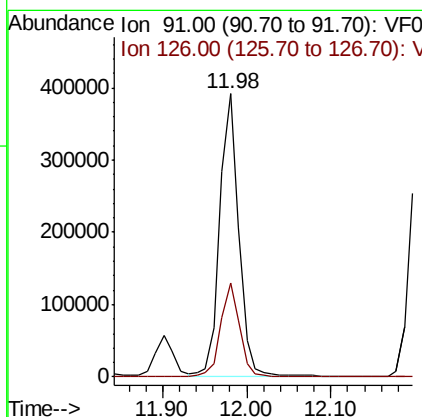
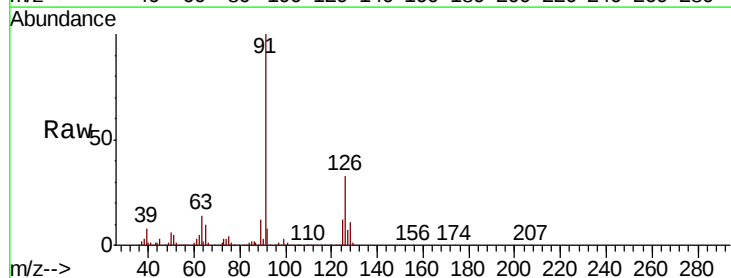
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

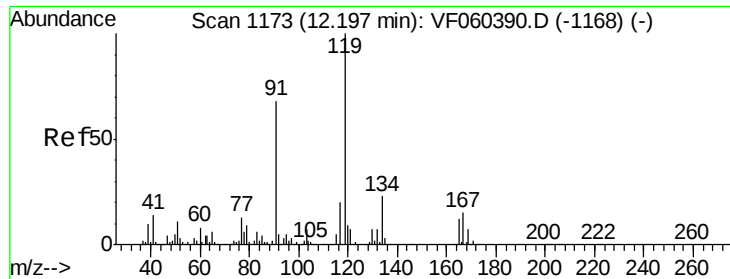
Tot Ion: 75 Resp: 73127
Ion Ratio Lower Upper
75 100
53 74.3 67.8 101.8
89 51.0 36.7 55.1



#82
4-Chlorotoluene
Concen: 47.092 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion: 91 Resp: 612208
Ion Ratio Lower Upper
91 100
126 33.0 15.7 47.0

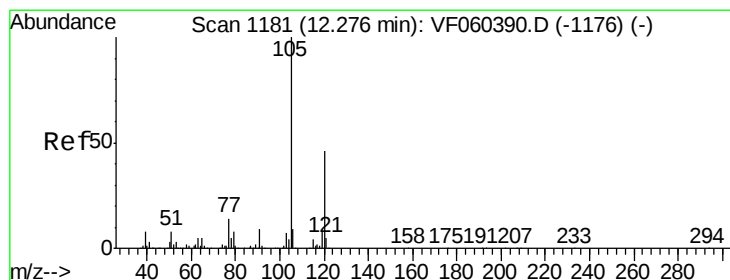
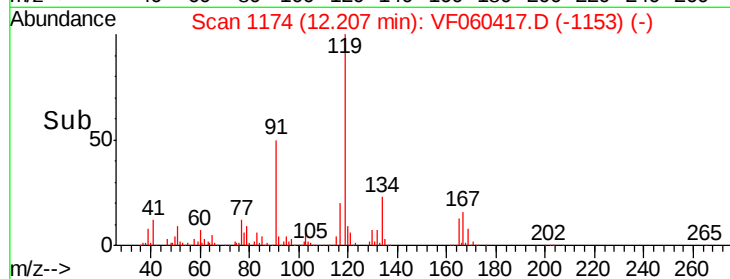
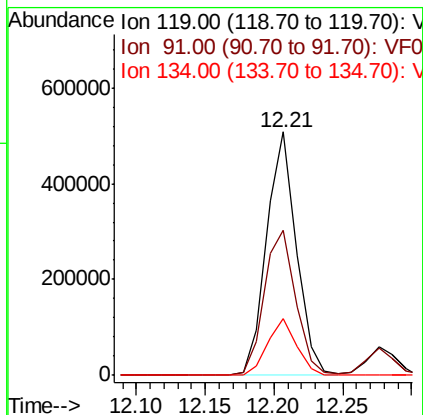
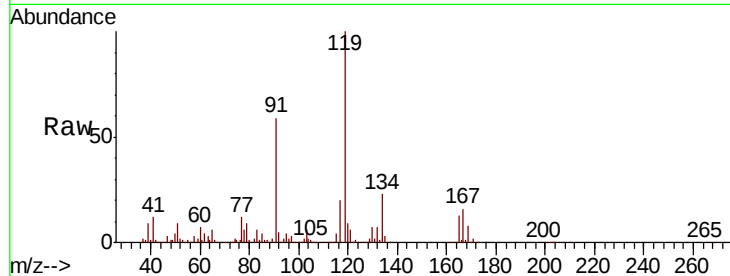




#83
tert-Butylbenzene
Concen: 51.052 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

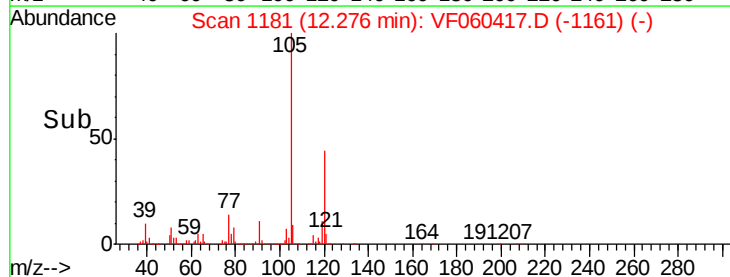
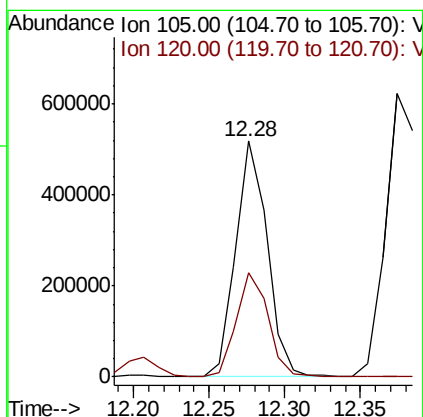
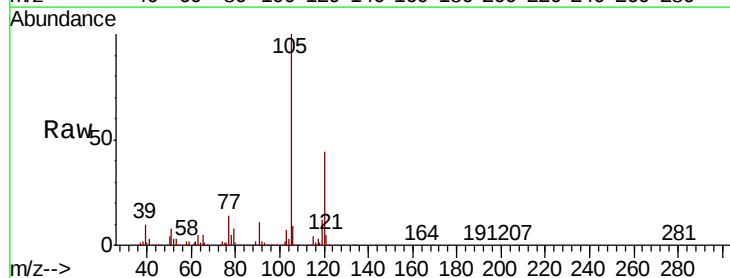
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

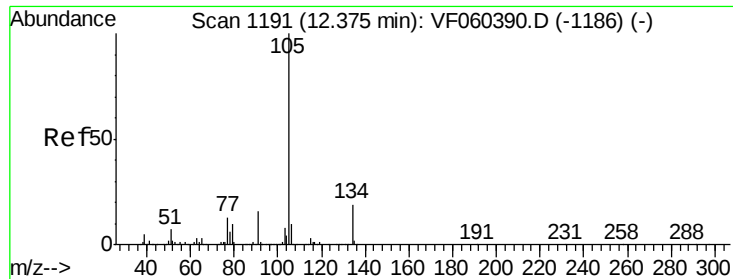
Tot Ion:119 Resp: 766513
Ion Ratio Lower Upper
119 100
91 59.4 34.0 102.0
134 23.5 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 49.915 ug/l
RT: 12.28 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion:105 Resp: 753548
Ion Ratio Lower Upper
105 100
120 44.1 23.1 69.2

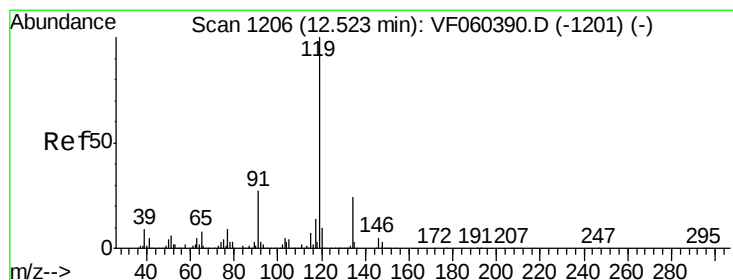
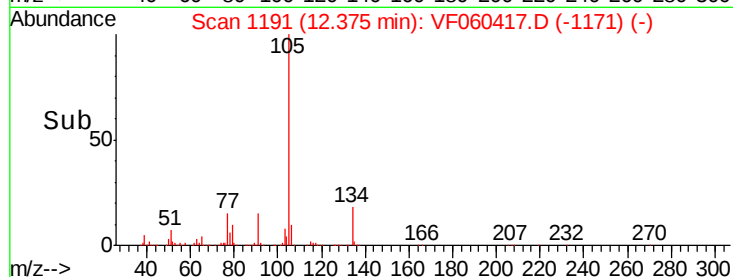
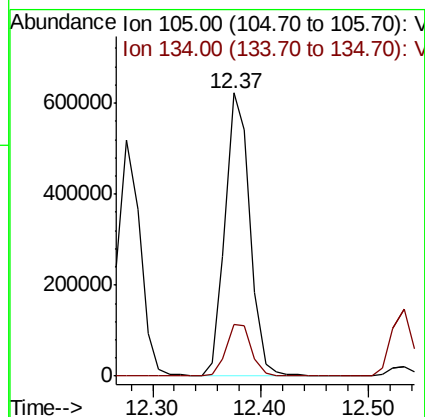
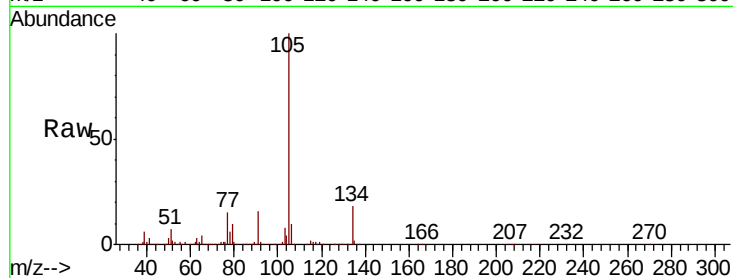




#85
 sec-Butylbenzene
 Concen: 47.920 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

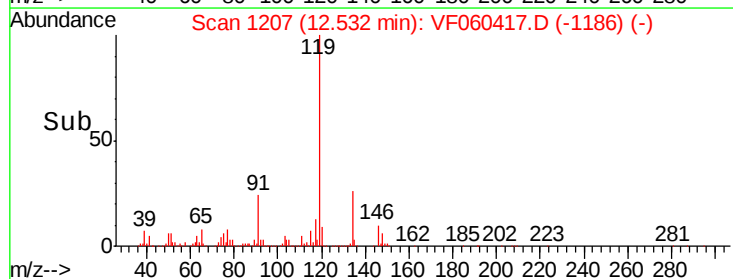
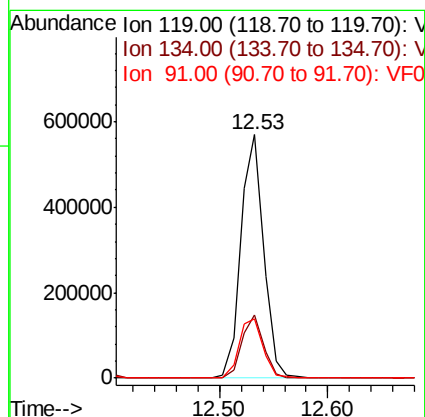
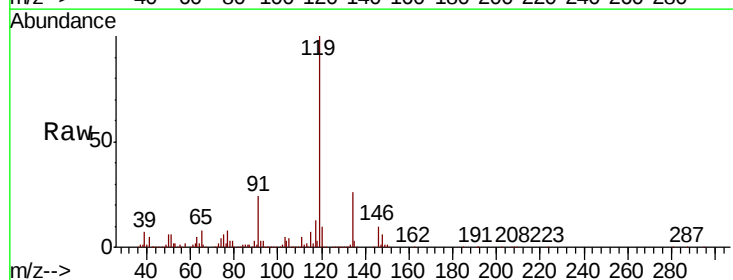
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

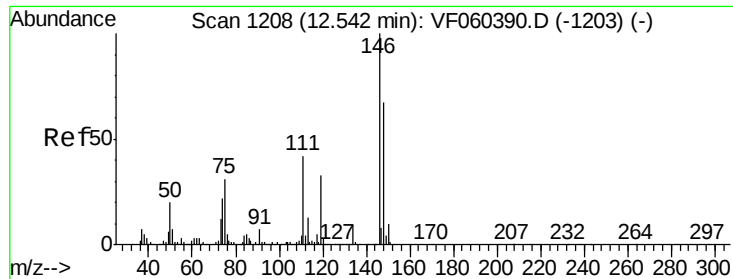
Tot Ion:105 Resp: 993114
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 49.209 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion:119 Resp: 833180
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.3 36.8
 91 24.4 13.5 40.4

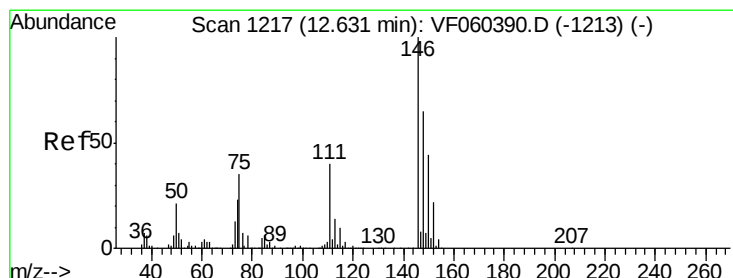
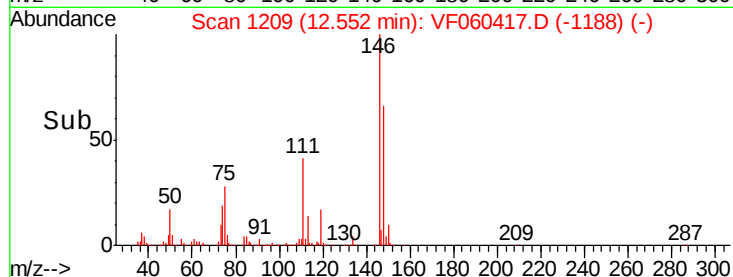
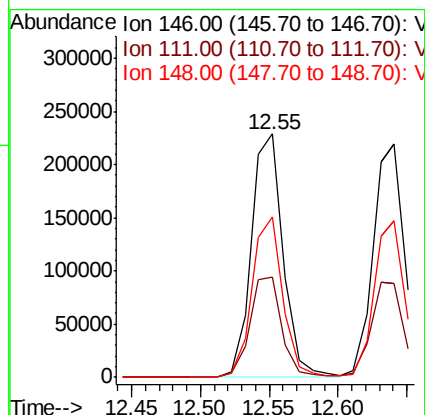
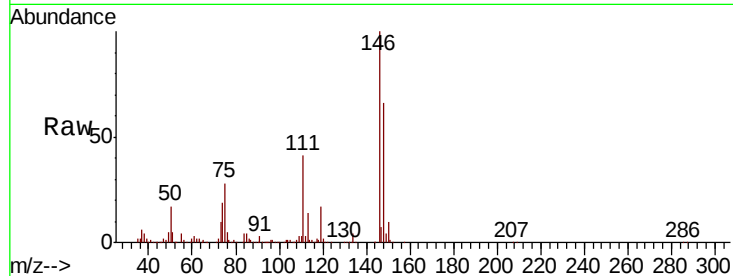




#87
 1,3-Dichlorobenzene
 Concen: 48.988 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

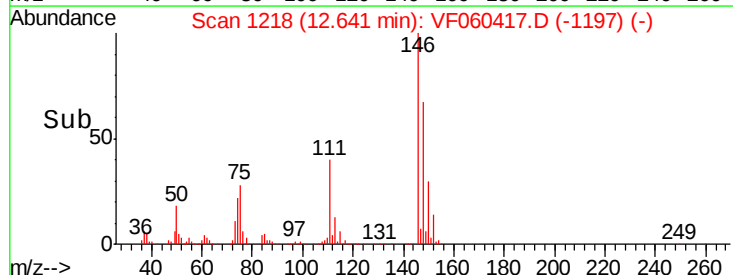
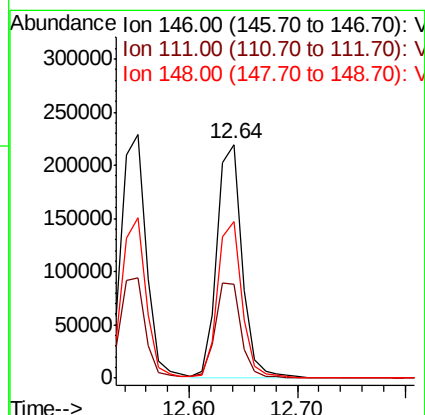
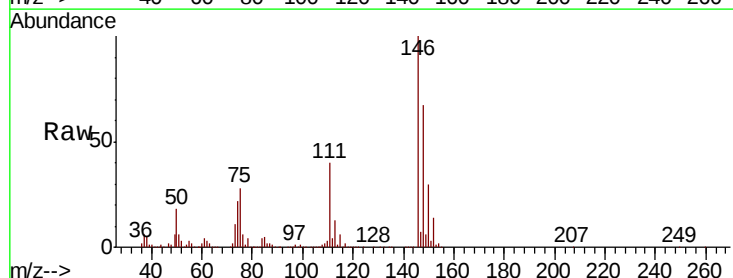
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

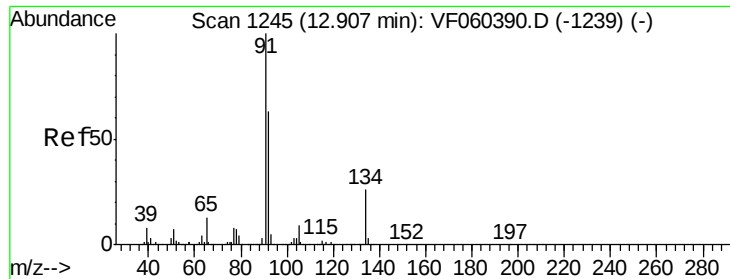
Tot Ion:146 Resp: 369203
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.9 62.7
 148 66.1 33.6 100.8



#88
 1,4-Dichlorobenzene
 Concen: 47.695 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion:146 Resp: 354448
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.2 60.6
 148 67.1 32.6 97.8





#89

n-Butylbenzene

Concen: 47.986 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

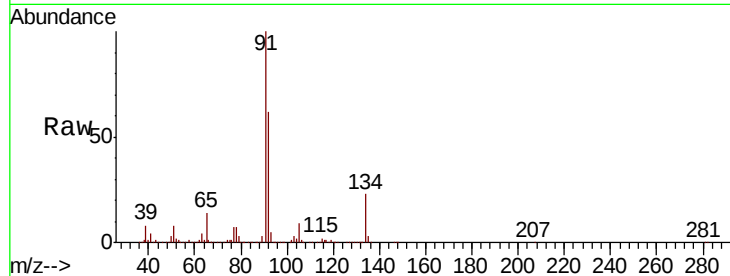
Tot Ion: 91 Resp: 859737

Ion Ratio Lower Upper

91 100

92 62.3 31.3 93.9

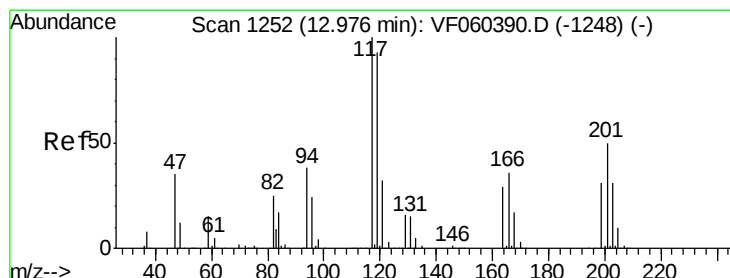
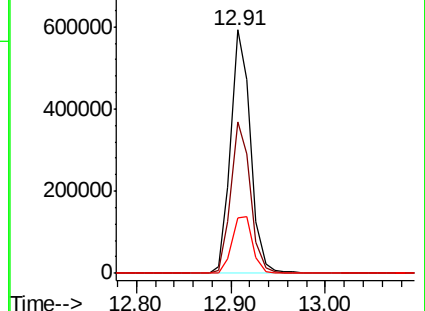
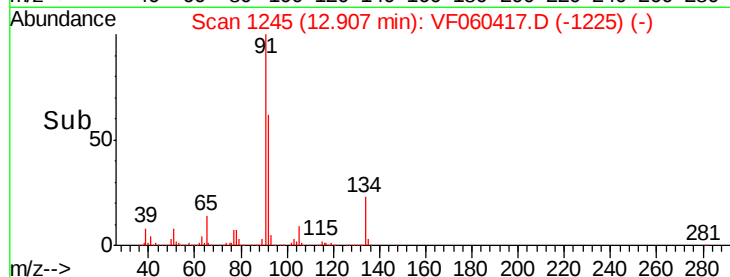
134 22.8 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VF060417.D (-1239) (-)

Ion 92.00 (91.70 to 92.70): VF060417.D (-1239) (-)

Ion 134.00 (133.70 to 134.70): VF060417.D (-1239) (-)



#90

Hexachloroethane

Concen: 50.096 ug/l

RT: 12.99 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VF060417.D

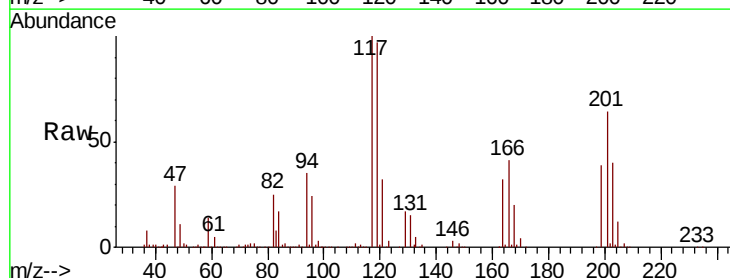
Acq: 3 Oct 2018 15:41

Tgt Ion: 117 Resp: 219222

Ion Ratio Lower Upper

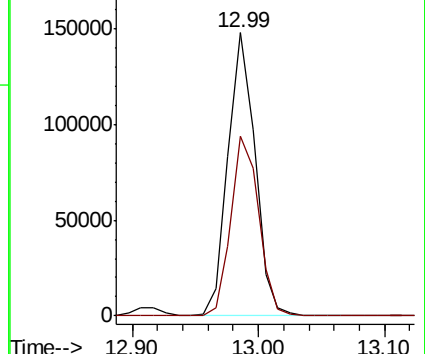
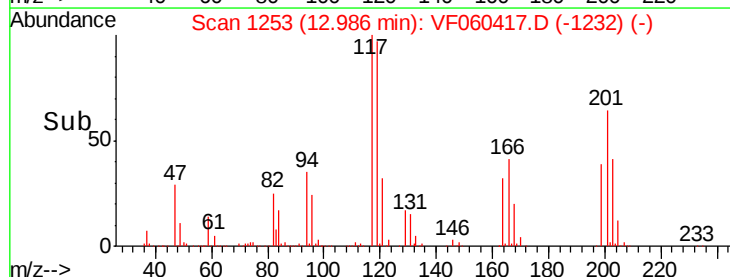
117 100

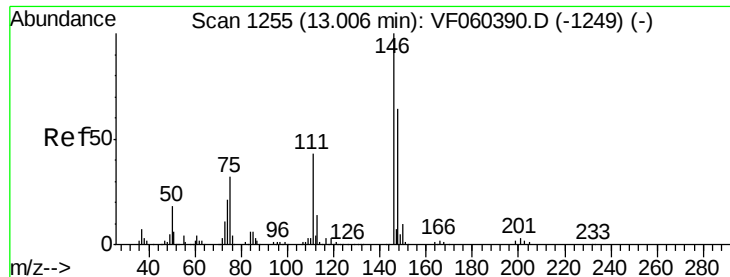
201 63.6 25.5 76.5



Abundance Ion 117.00 (116.70 to 117.70): VF060417.D (-1232) (-)

Ion 201.00 (200.70 to 201.70): VF060417.D (-1232) (-)





#91

1,2-Dichlorobenzene

Concen: 50.479 ug/l

RT: 13.02 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

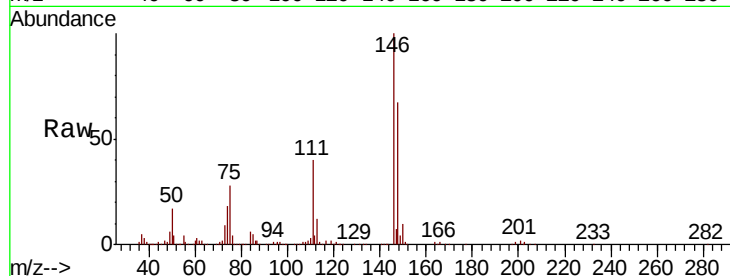
Tot Ion:146 Resp: 364516

Ion Ratio Lower Upper

146 100

111 40.2 21.3 64.0

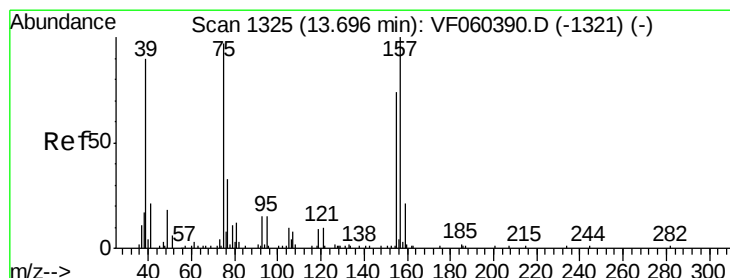
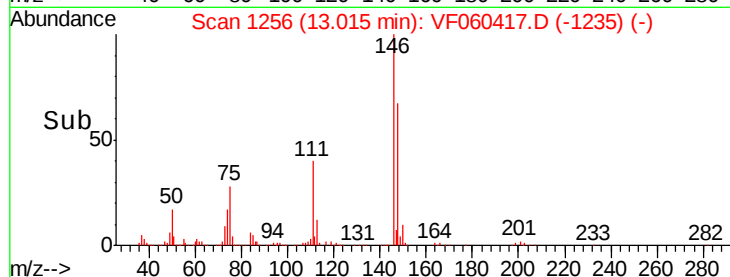
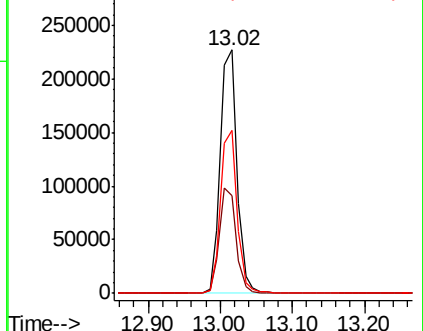
148 66.8 32.2 96.6



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: 48.778 ug/l

RT: 13.71 min Scan# 1326

Delta R.T. 0.01 min

Lab File: VF060417.D

Acq: 3 Oct 2018 15:41

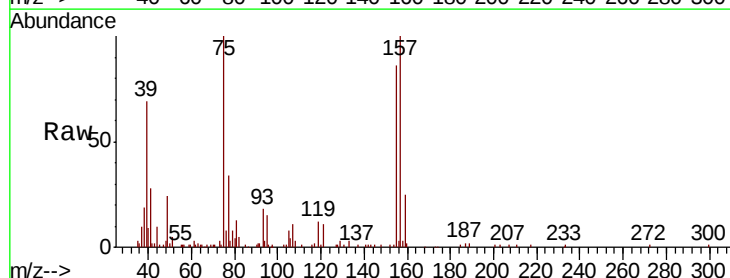
Tgt Ion: 75 Resp: 30889

Ion Ratio Lower Upper

75 100

155 86.5 37.9 113.6

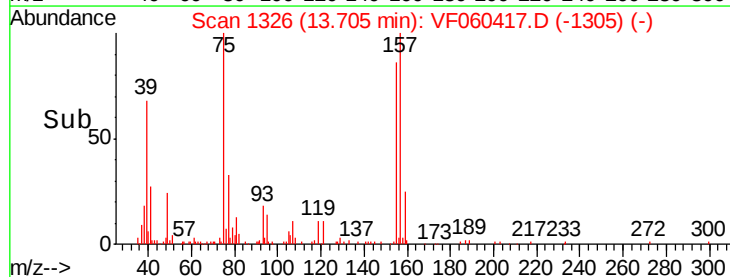
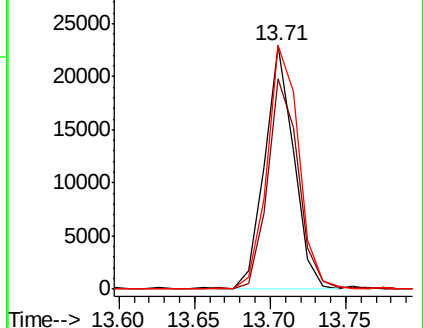
157 99.9 51.3 154.0

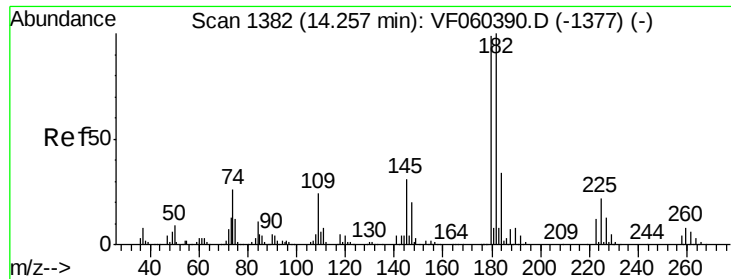


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

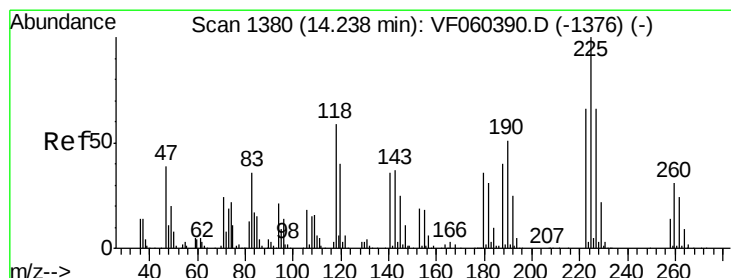
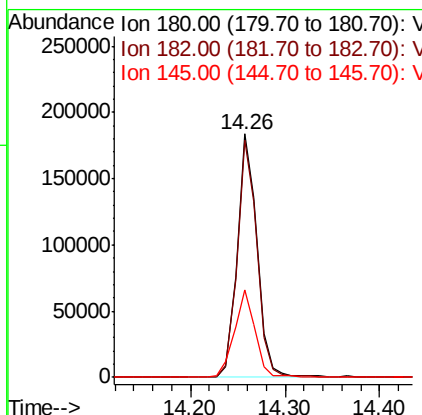
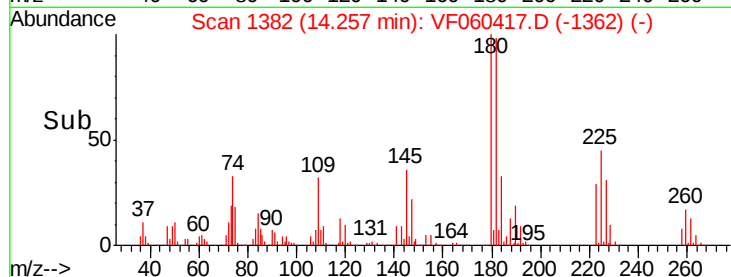
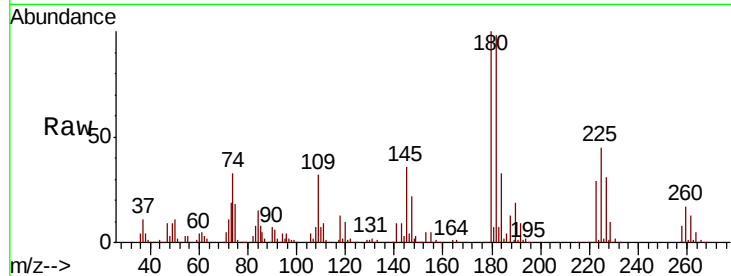




#93
 1,2,4-Trichlorobenzene
 Concen: 49.658 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

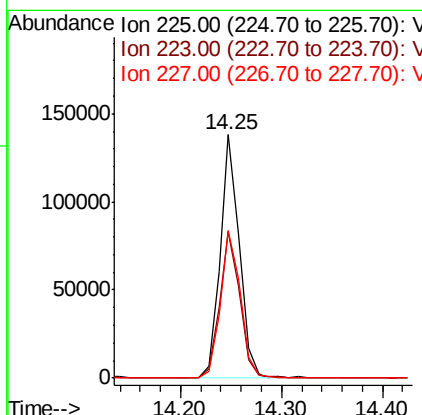
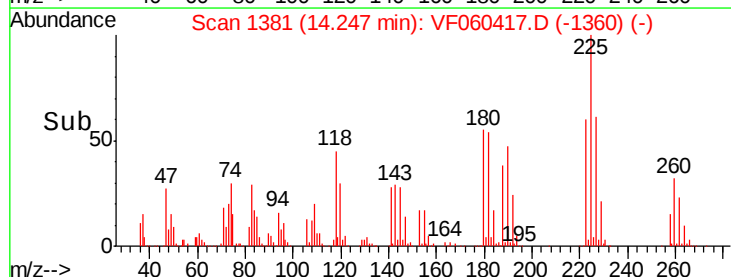
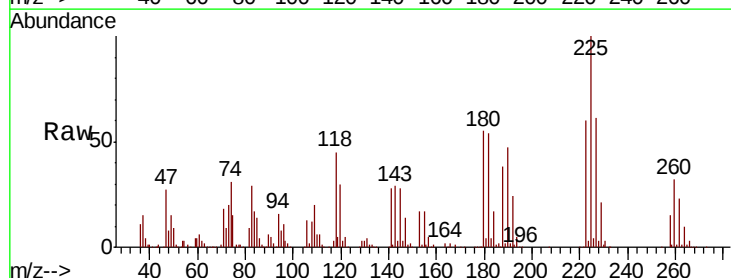
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

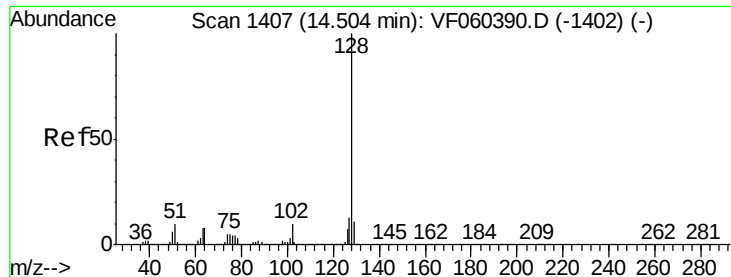
Tot Ion:180 Resp: 268021
 Ion Ratio Lower Upper
 180 100
 182 97.7 50.3 150.9
 145 36.0 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 48.639 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060417.D
 Acq: 3 Oct 2018 15:41

Tgt Ion:225 Resp: 183226
 Ion Ratio Lower Upper
 225 100
 223 60.2 32.8 98.4
 227 60.6 33.0 99.0

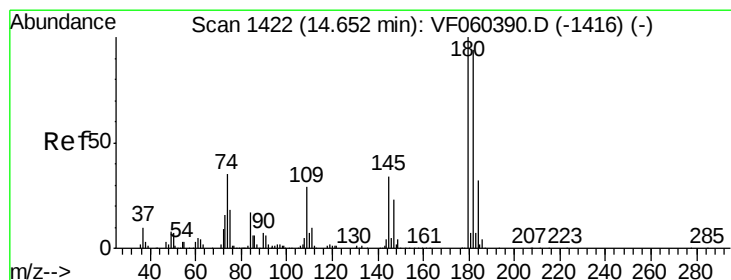
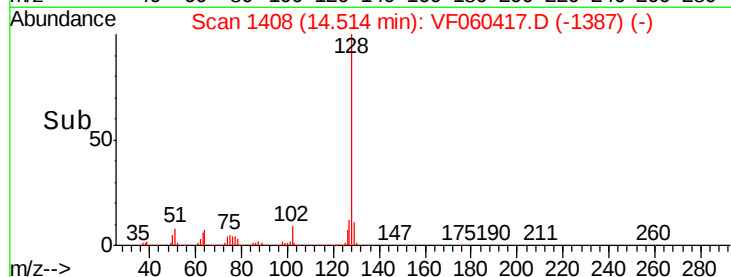
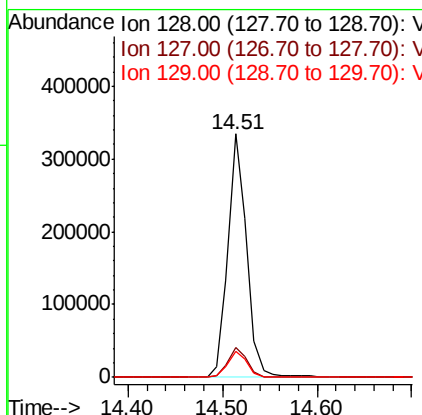
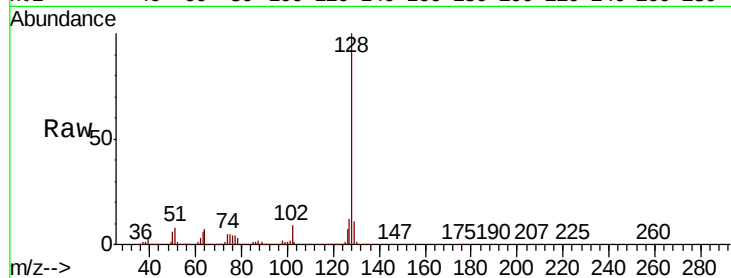




#95
Naphthalene
Concen: 47.588 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 459239
Ion Ratio Lower Upper
128 100
127 12.2 10.0 15.0
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.439 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060417.D
Acq: 3 Oct 2018 15:41

Tgt Ion:180 Resp: 260252
Ion Ratio Lower Upper
180 100
182 96.5 46.8 140.3
145 33.0 16.9 50.6

