

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060415.D
 Acq On : 2 Oct 2018 21:42
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 03 02:37:41 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	354079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	563649	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	511120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	251787	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	223066	40.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.52%	
35) Dibromofluoromethane	4.27	113	260918	49.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.56%	
50) Toluene-d8	7.69	98	653807	50.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.50	95	271095	45.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	301445	38.288	ug/l	96
3) Chloromethane	1.13	50	217350	45.205	ug/l	94
4) Vinyl Chloride	1.17	62	231281	46.241	ug/l	99
5) Bromomethane	1.36	94	158983	41.037	ug/l	100
6) Chloroethane	1.42	64	117485	47.070	ug/l	98
7) Trichlorofluoromethane	1.54	101	441964	38.086	ug/l	96
8) Diethyl Ether	1.70	74	71077	44.693	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.88	101	228164	41.047	ug/l	93
10) Methyl Iodide	1.96	142	385040	45.423	ug/l	88
11) Tert butyl alcohol	2.67	59	70551	210.518	ug/l #	85
12) 1,1-Dichloroethene	1.85	96	197411	45.964	ug/l	92
13) Acrolein	2.08	56	53275	197.670	ug/l	85
14) Allyl chloride	2.18	41	329133	47.826	ug/l	83
15) Acrylonitrile	3.06	53	138528	241.235	ug/l #	91
16) Acetone	2.33	43	214167	181.135	ug/l #	88
17) Carbon Disulfide	1.88	76	582440	44.784	ug/l	97
18) Methyl Acetate	2.44	43	107330	51.601	ug/l	92
19) Methyl tert-butyl Ether	2.53	73	477755	45.670	ug/l	95
20) Methylene Chloride	2.27	84	90839	19.012	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	201650	47.011	ug/l	89
22) Diisopropyl ether	2.91	45	576830	46.178	ug/l #	92
23) Vinyl Acetate	3.31	43	1173698	236.534	ug/l	96
24) 1,1-Dichloroethane	2.98	63	372835	44.136	ug/l	98
25) 2-Butanone	4.49	43	369281	257.406	ug/l #	92
26) 2,2-Dichloropropane	3.74	77	197751	41.333	ug/l	100
27) cis-1,2-Dichloroethene	3.61	96	246579	51.414	ug/l	90
28) Bromochloromethane	3.87	49	165938	53.300	ug/l	96
29) Tetrahydrofuran	4.23	42	154287	286.156	ug/l	98
30) Chloroform	4.01	83	480307	46.080	ug/l	96
31) Cyclohexane	3.85	56	332651	54.841	ug/l	97
32) 1,1,1-Trichloroethane	4.25	97	387143	44.634	ug/l	97
36) 1,1-Dichloropropene	4.44	75	365884	52.650	ug/l	96
37) Ethyl Acetate	4.26	43	142993	53.733	ug/l	88
38) Carbon Tetrachloride	4.14	117	424062	50.132	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	352895	51.799	ug/l	92
40) Benzene	4.78	78	749508	54.329	ug/l	98
41) Methacrylonitrile	4.90	41	69972	49.590	ug/l	92
42) 1,2-Dichloroethane	5.10	62	272316	41.375	ug/l	94
43) Isopropyl Acetate	7.09	43	179934	55.950	ug/l	100
44) Trichloroethene	5.65	130	220626	49.841	ug/l	96
45) 1,2-Dichloropropane	6.38	63	196264	53.420	ug/l	93
46) Dibromomethane	6.23	93	142127	48.115	ug/l	94
47) Bromodichloromethane	6.53	83	325432	44.484	ug/l	98
48) Methyl methacrylate	6.85	41	110278	47.770	ug/l	94
49) 1,4-Dioxane	6.84	88	22138	1112.201	ug/l	94
51) 4-Methyl-2-Pentanone	8.39	43	607143	265.212	ug/l	98
52) Toluene	7.76	92	485306	51.791	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	257601	44.931	ug/l	98
54) cis-1,3-Dichloropropene	7.43	75	333164	49.721	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	146068	49.179	ug/l	91
56) Ethyl methacrylate	8.75	69	191881	56.853	ug/l #	91
57) 1,3-Dichloropropane	8.98	76	251660	50.084	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	77901	225.966	ug/l	100
59) 2-Hexanone	9.61	43	425956	253.673	ug/l	93
60) Dibromochloromethane	8.84	129	210065	46.973	ug/l	97
61) 1,2-Dibromoethane	9.12	107	162994	50.152	ug/l	99
64) Tetrachloroethene	8.28	164	205423	50.558	ug/l	97
65) Chlorobenzene	9.93	112	521625	49.681	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	214893	46.875	ug/l	97
67) Ethyl Benzene	10.03	91	972493	48.714	ug/l	97
68) m/p-Xylenes	10.25	106	674865	98.338	ug/l	86
69) o-Xylene	10.82	106	355568	47.533	ug/l	92
70) Styrene	10.88	104	514821	48.384	ug/l	97
71) Bromoform	10.87	173	114619	46.960	ug/l	92
73) Isopropylbenzene	11.22	105	1004698	50.678	ug/l	98
74) N-amyl acetate	11.45	43	266252	58.517	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	187473	51.868	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	125336	47.103	ug/l	98
77) Bromobenzene	11.58	156	225556	50.897	ug/l	94
78) n-propylbenzene	11.67	91	1192454	49.616	ug/l	98
79) 2-Chlorotoluene	11.80	91	682795	48.567	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	813442	48.294	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	80294	68.073	ug/l	87
82) 4-Chlorotoluene	11.98	91	707901	49.212	ug/l	99
83) tert-Butylbenzene	12.21	119	821646	49.457	ug/l	93
84) 1,2,4-Trimethylbenzene	12.27	105	832395	49.831	ug/l	98
85) sec-Butylbenzene	12.38	105	1132544	49.388	ug/l	97
86) p-Isopropyltoluene	12.53	119	903564	48.230	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	406789	48.780	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	385713	46.907	ug/l	97
89) n-Butylbenzene	12.91	91	934969	47.163	ug/l	97
90) Hexachloroethane	12.98	117	229810	47.461	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	386141	48.327	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	33169	47.337	ug/l	93

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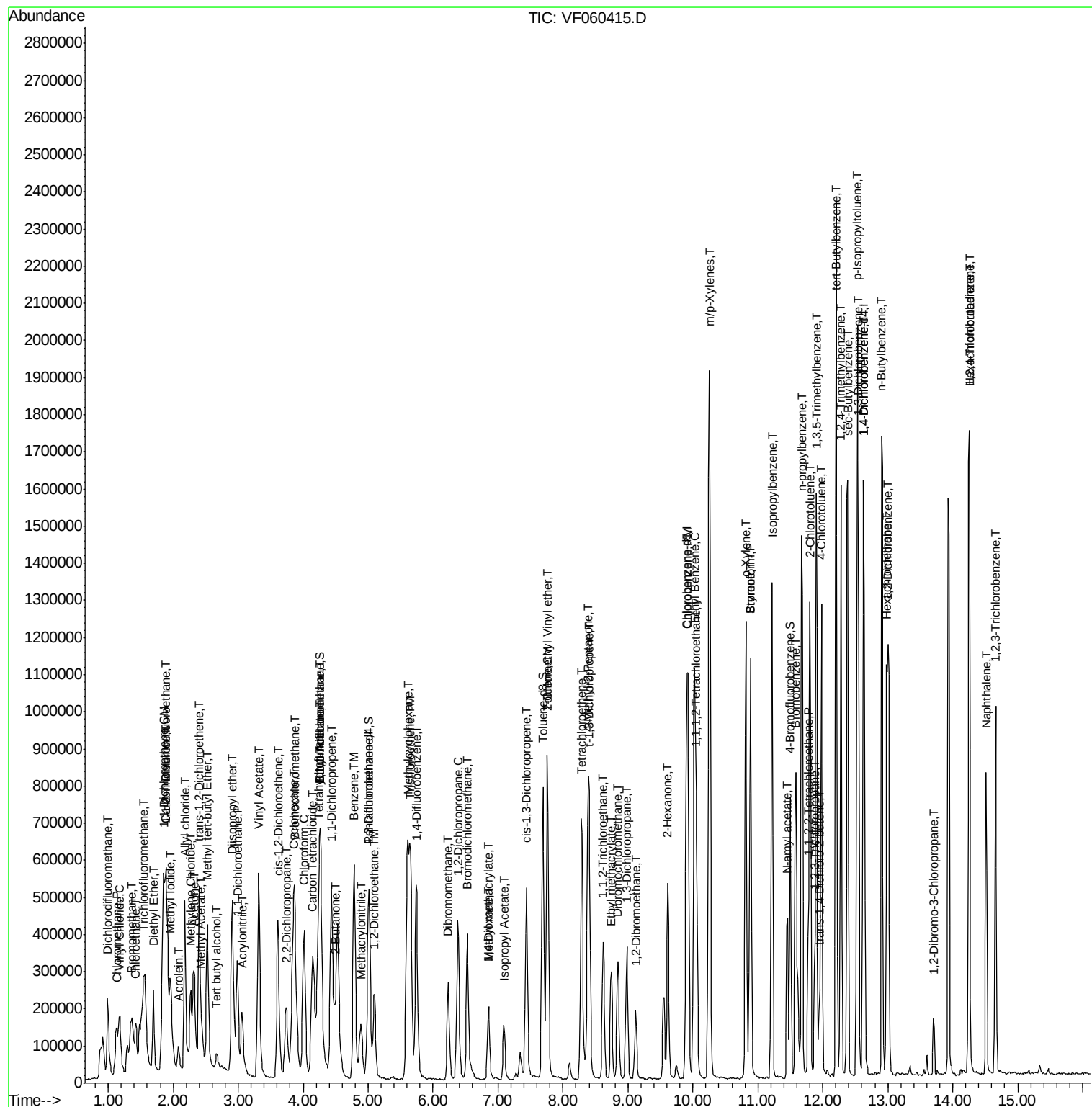
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	276760	46.342	ug/l	93
94) Hexachlorobutadiene	14.25	225	183824	44.102	ug/l	97
95) Naphthalene	14.51	128	541082	50.673	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	267128	47.716	ug/l	95

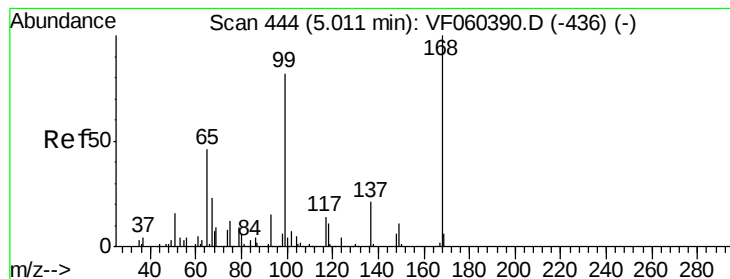
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

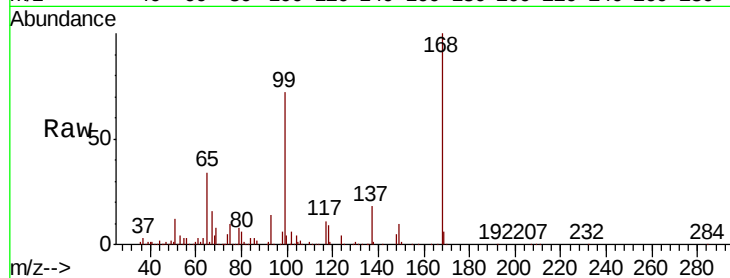
VSTDCCC050EC

Tot Ion:168 Resp: 354079

Ion Ratio Lower Upper

168 100

99 72.0 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

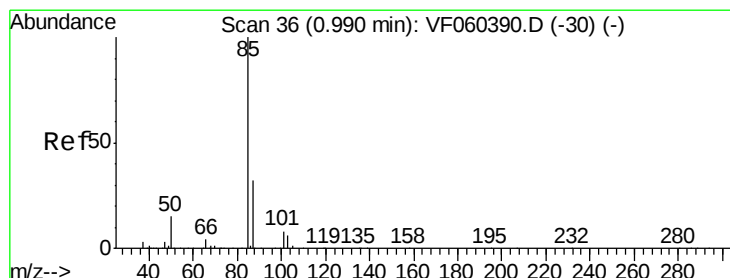
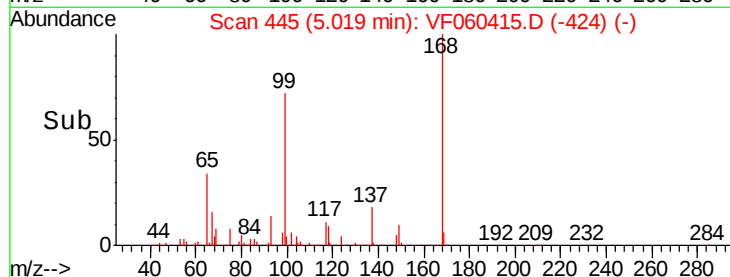
100000

50000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 38.288 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060415.D

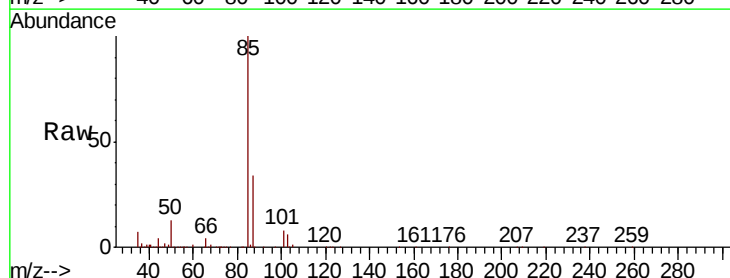
Acq: 2 Oct 2018 21:42

Tgt Ion: 85 Resp: 301445

Ion Ratio Lower Upper

85 100

87 33.8 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

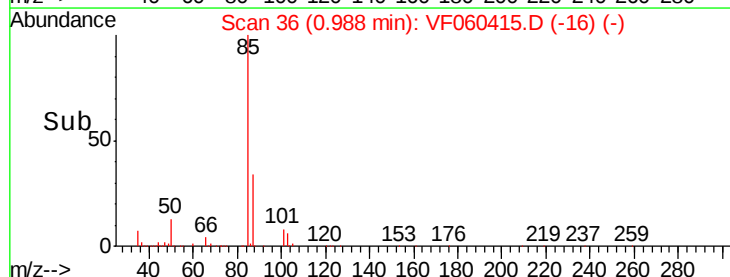
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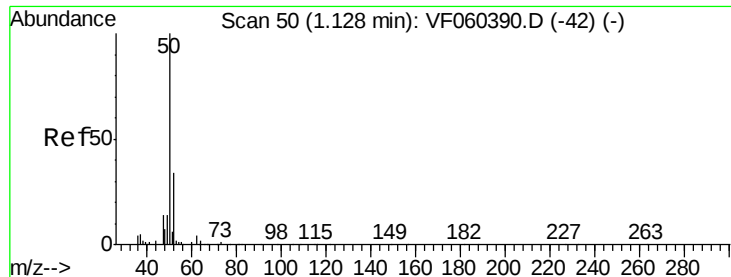
50000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 45.205 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

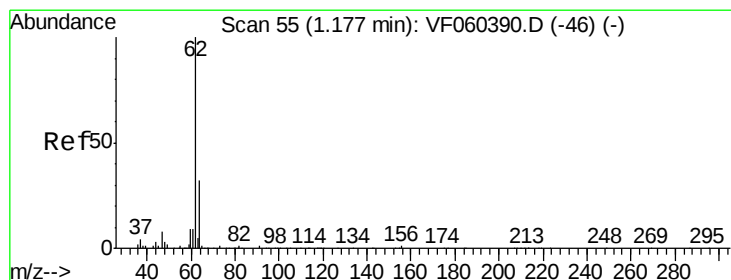
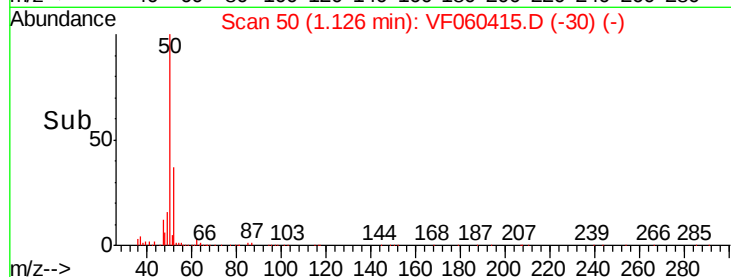
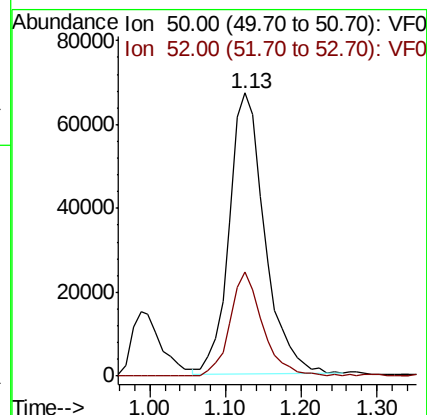
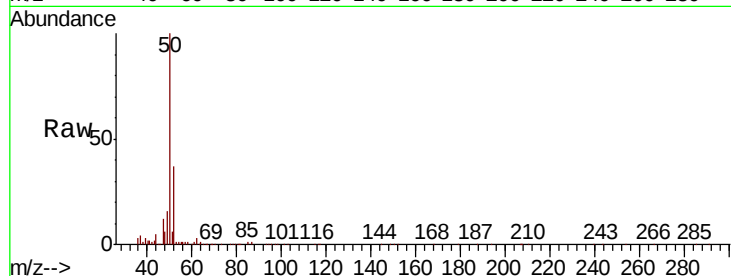
VSTDCCC050EC

Tot Ion: 50 Resp: 217350

Ion Ratio Lower Upper

50 100

52 37.0 26.9 40.3



#4

Vinyl Chloride

Concen: 46.241 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060415.D

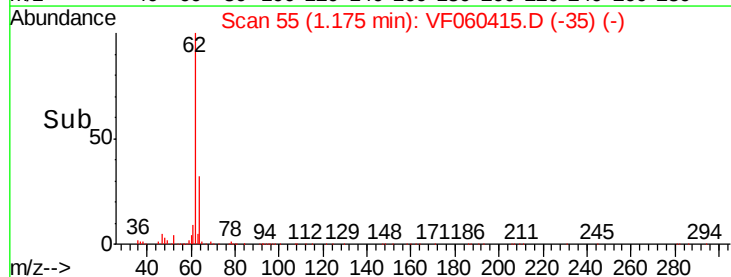
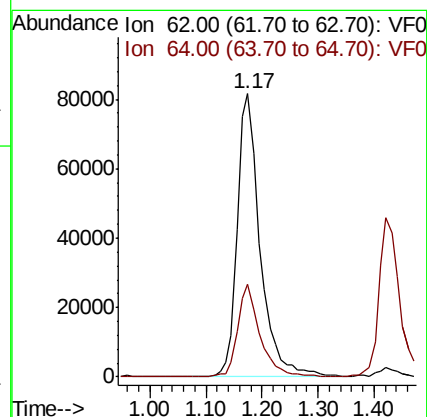
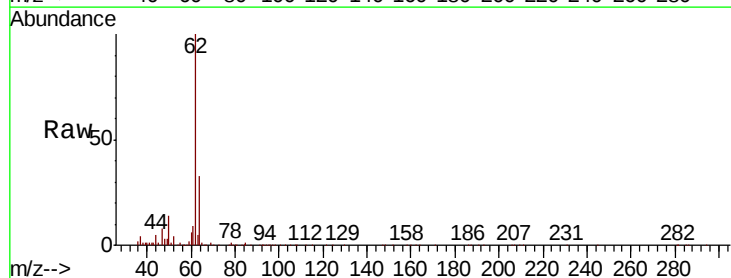
Acq: 2 Oct 2018 21:42

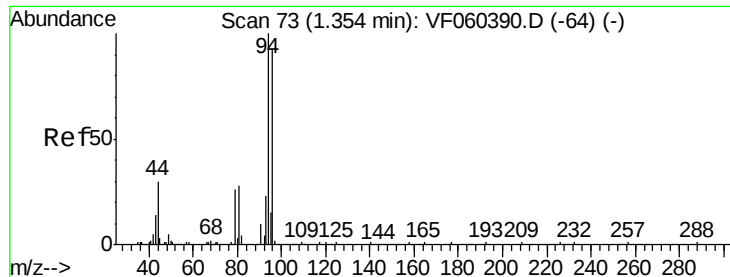
Tgt Ion: 62 Resp: 231281

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.6





#5

Bromomethane

Concen: 41.037 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

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ClientSampleId :

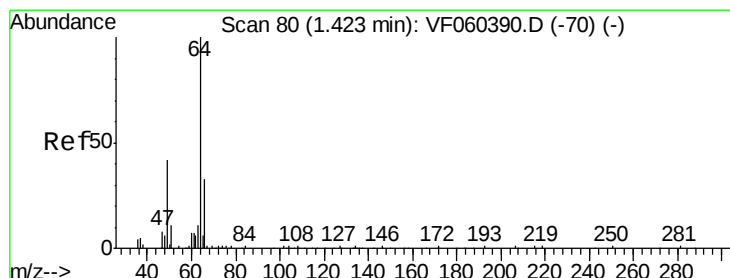
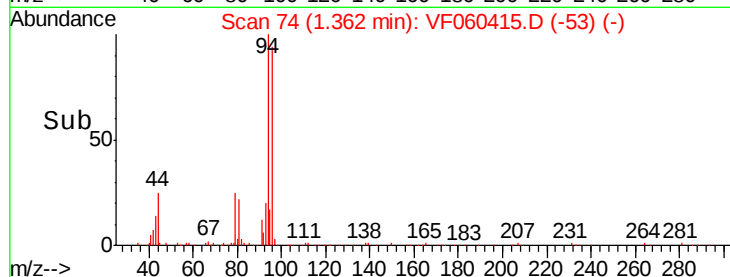
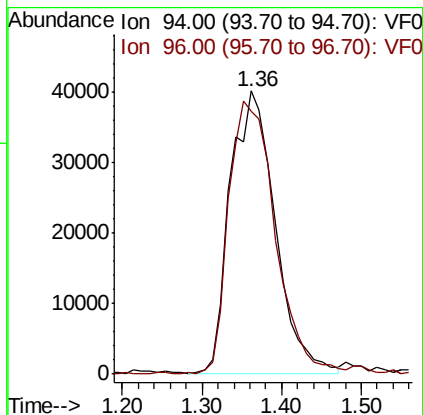
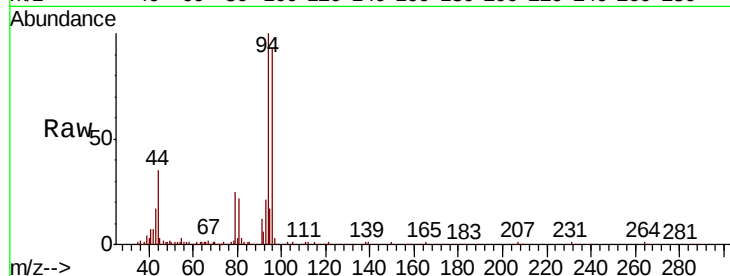
VSTDCCC050EC

Tot Ion: 94 Resp: 158983

Ion Ratio Lower Upper

94 100

96 93.1 74.3 111.5



#6

Chloroethane

Concen: 47.070 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060415.D

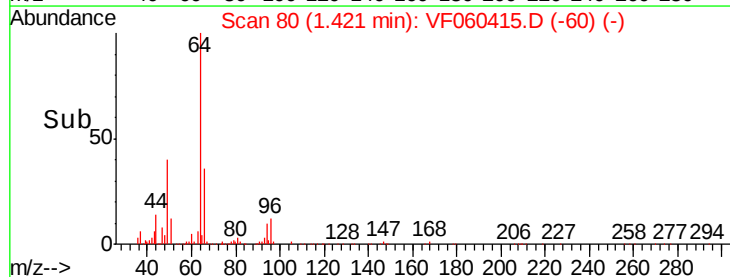
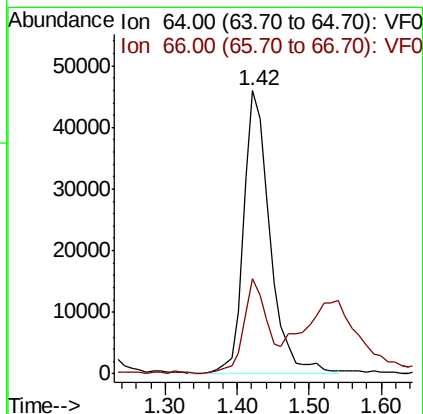
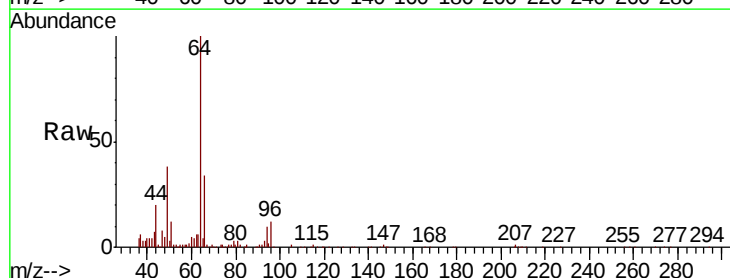
Acq: 2 Oct 2018 21:42

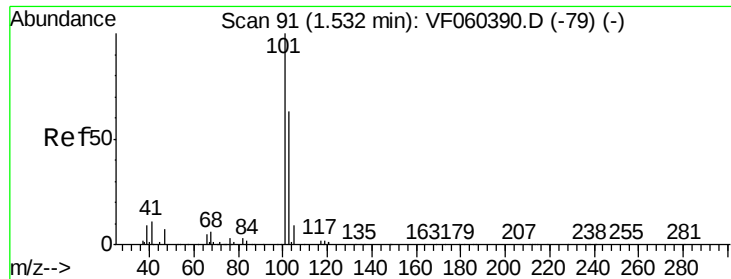
Tgt Ion: 64 Resp: 117485

Ion Ratio Lower Upper

64 100

66 33.8 26.3 39.5





#7

Trichlorofluoromethane

Concen: 38.086 ug/l

RT: 1.54 min Scan# 92

Delta R.T. 0.01 min

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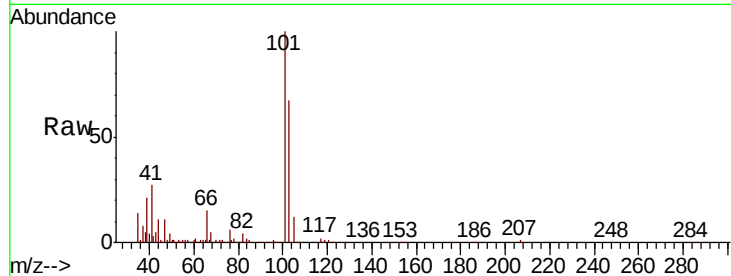
VSTDCCC050EC

Tot Ion:101 Resp: 441964

Ion Ratio Lower Upper

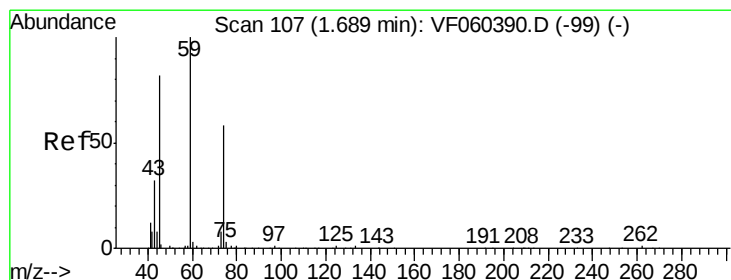
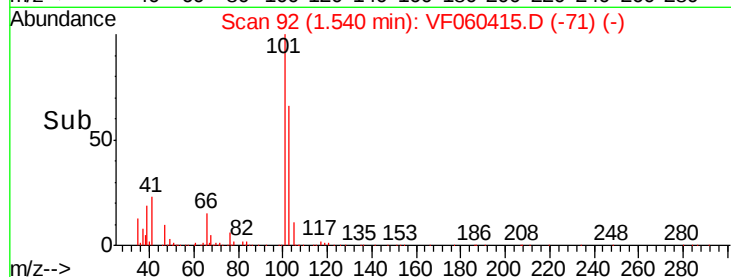
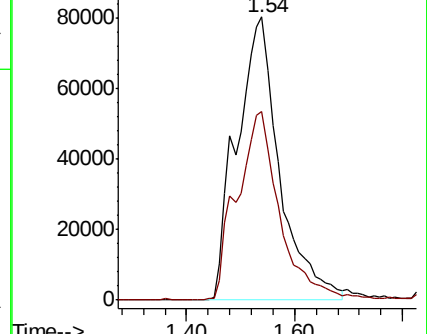
101 100

103 66.6 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: 44.693 ug/l

RT: 1.70 min Scan# 108

Delta R.T. 0.01 min

Lab File: VF060415.D

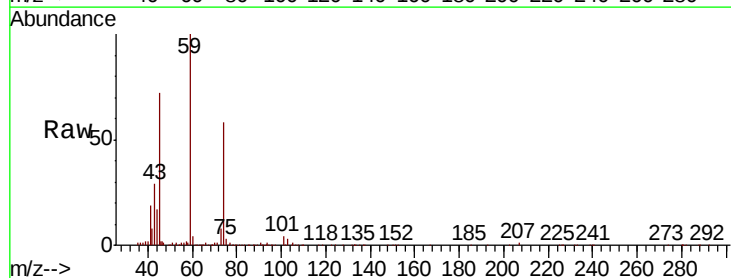
Acq: 2 Oct 2018 21:42

Tgt Ion: 74 Resp: 71077

Ion Ratio Lower Upper

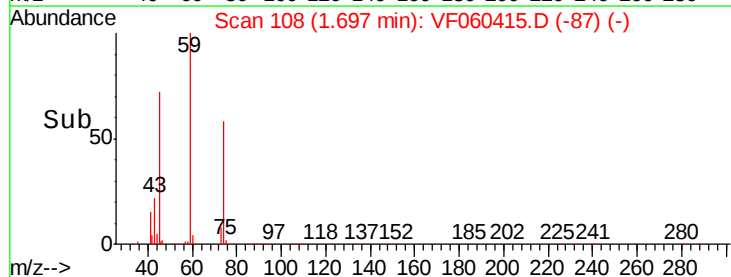
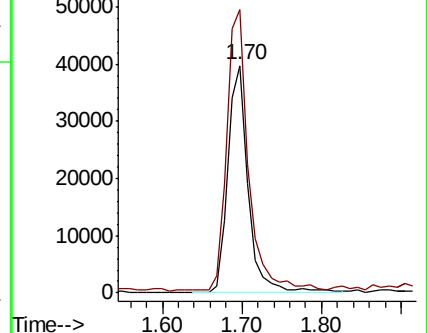
74 100

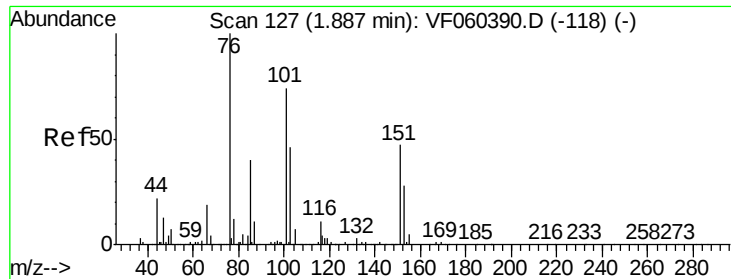
45 124.3 71.3 213.8



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: 41.047 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.00 min

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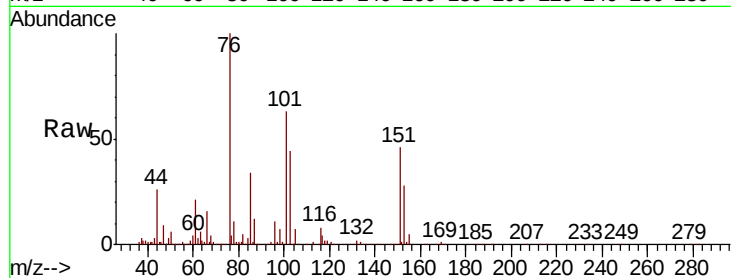
Tot Ion:101 Resp: 228164

Ion Ratio Lower Upper

101 100

85 53.6 42.5 63.7

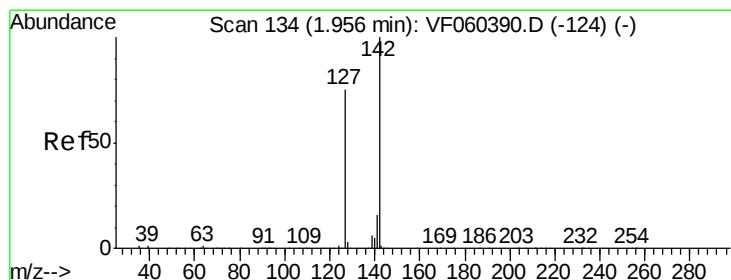
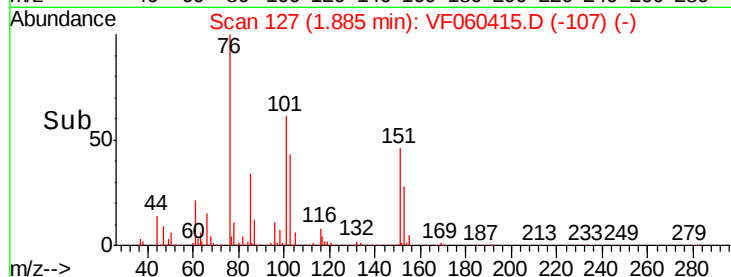
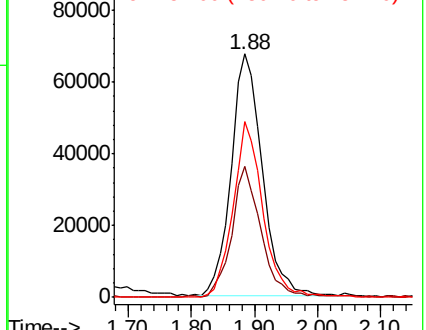
151 72.0 49.8 74.8



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: 45.423 ug/l

RT: 1.96 min Scan# 135

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

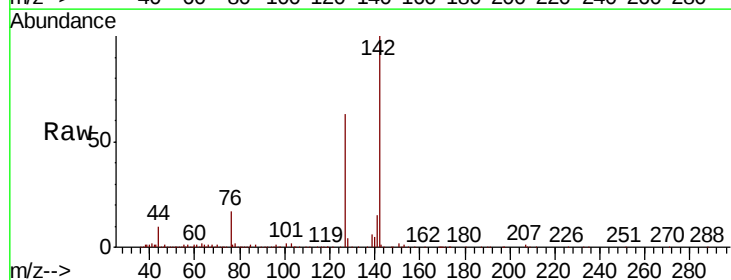
Tgt Ion:142 Resp: 385040

Ion Ratio Lower Upper

142 100

127 63.2 60.2 90.2

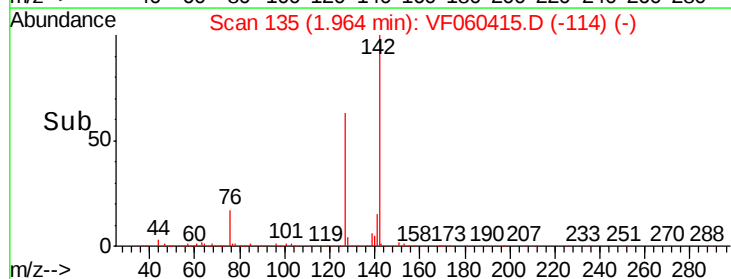
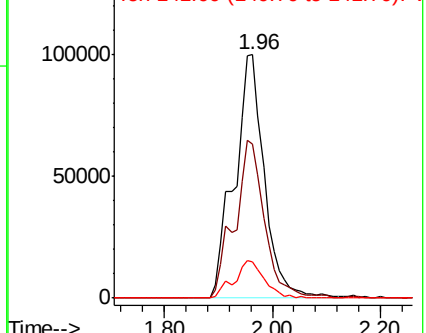
141 14.7 13.1 19.7

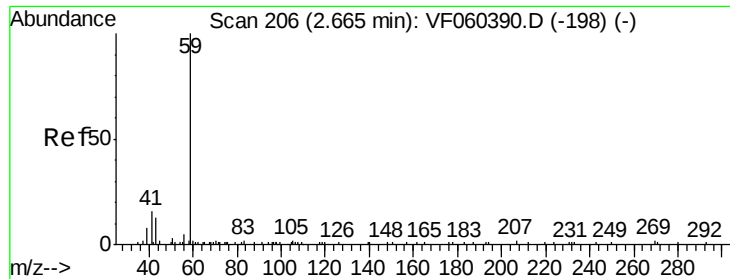


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

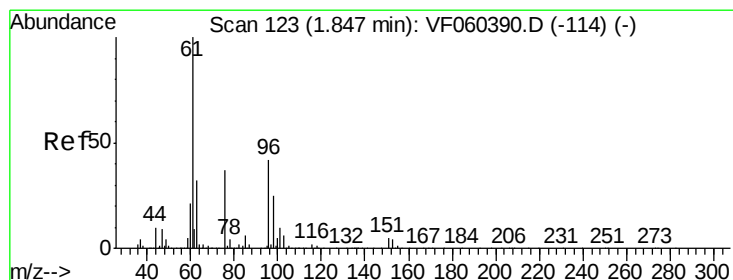
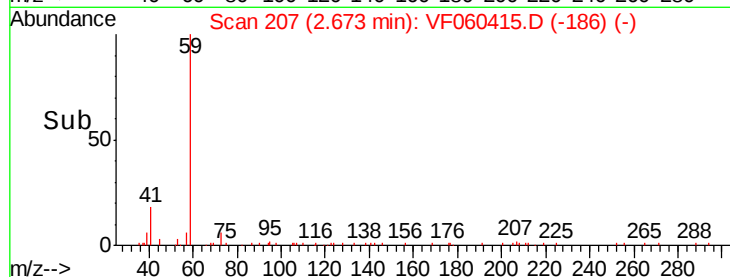
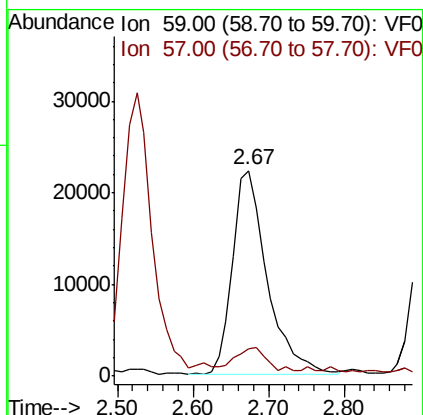
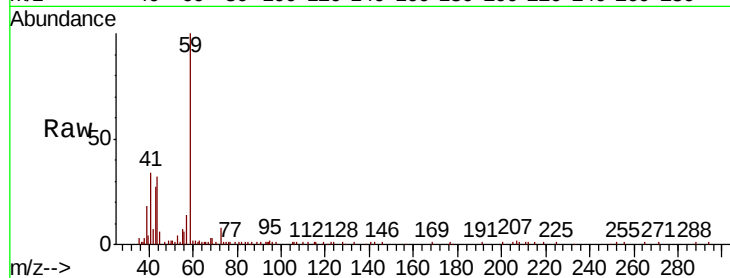




#11
Tert butyl alcohol
Concen: 210.518 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

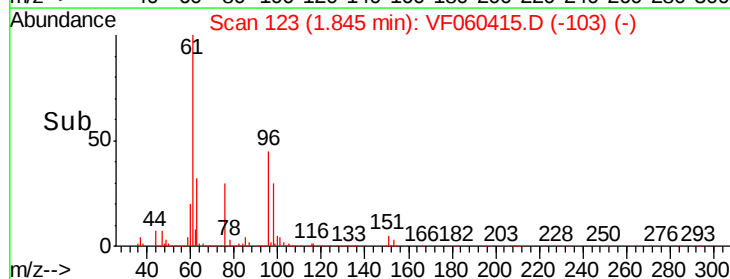
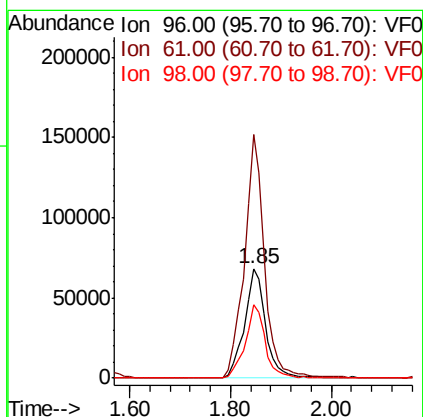
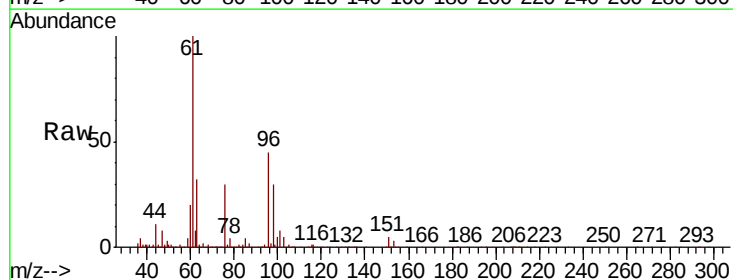
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

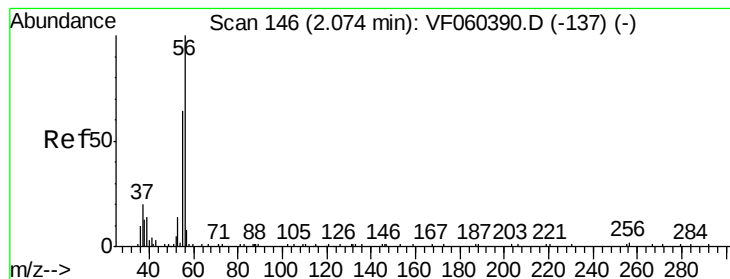
Tot Ion: 59 Resp: 70551
Ion Ratio Lower Upper
59 100
57 13.5 6.5 9.7#



#12
1,1-Dichloroethene
Concen: 45.964 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion: 96 Resp: 197411
Ion Ratio Lower Upper
96 100
61 223.0 189.4 284.0
98 67.0 47.8 71.6





#13

Acrolein

Concen: 197.670 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

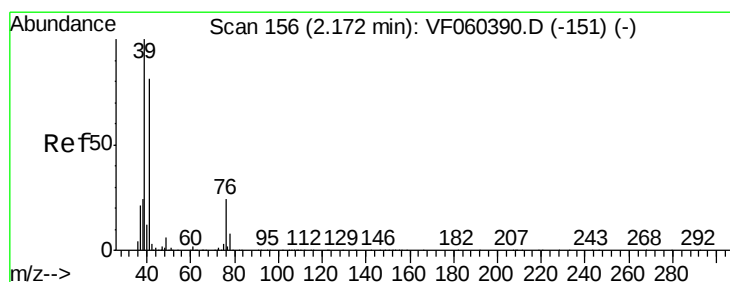
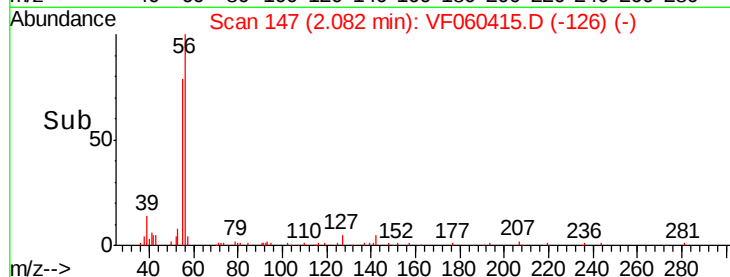
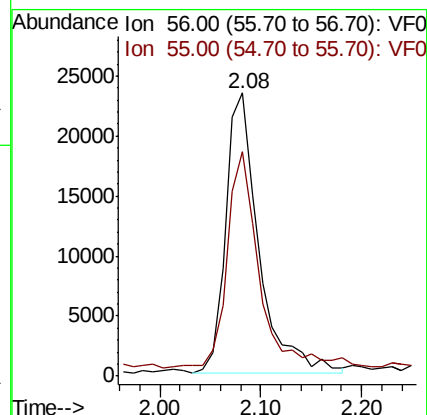
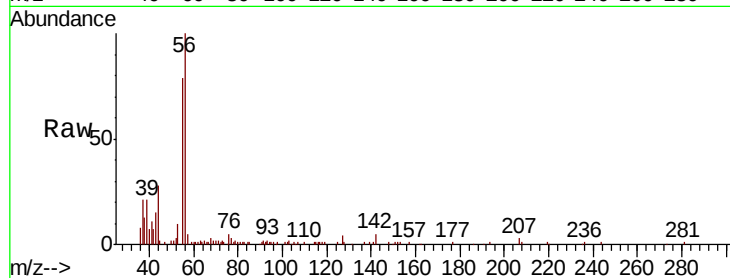
VSTDCCC050EC

Tot Ion: 56 Resp: 53275

Ion Ratio Lower Upper

56 100

55 79.2 53.9 80.9



#14

Allyl chloride

Concen: 47.826 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

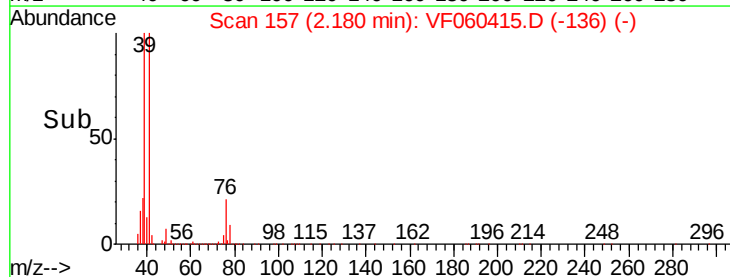
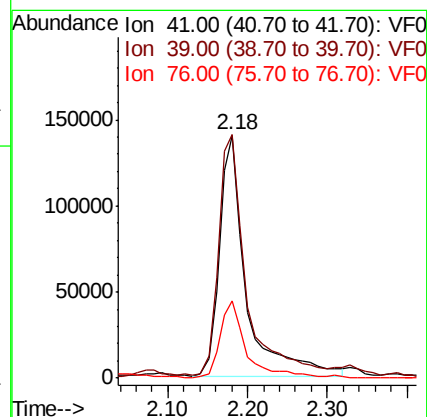
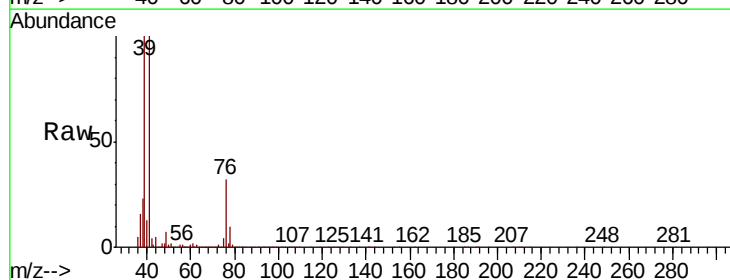
Tgt Ion: 41 Resp: 329133

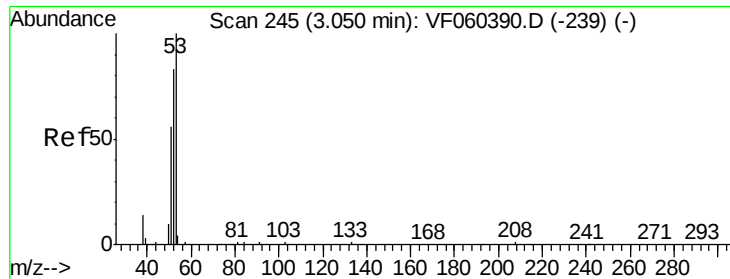
Ion Ratio Lower Upper

41 100

39 100.2 98.3 147.5

76 31.8 23.9 35.9





#15

Acrylonitrile

Concen: 241.235 ug/l

RT: 3.06 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

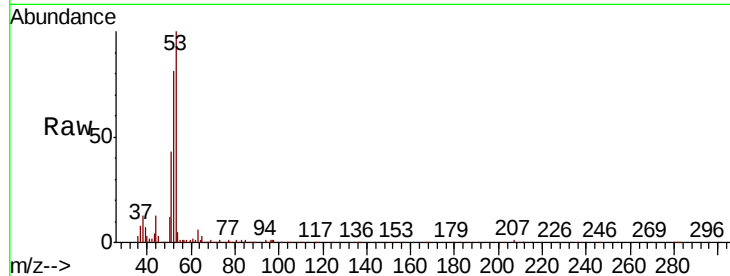
Tot Ion: 53 Resp: 138528

Ion Ratio Lower Upper

53 100

52 81.1 66.0 99.0

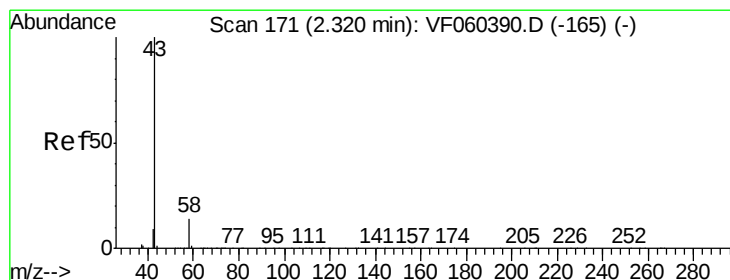
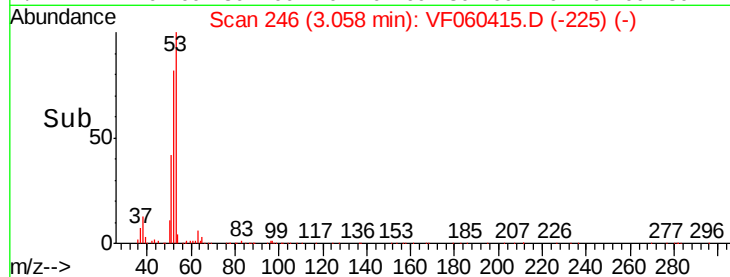
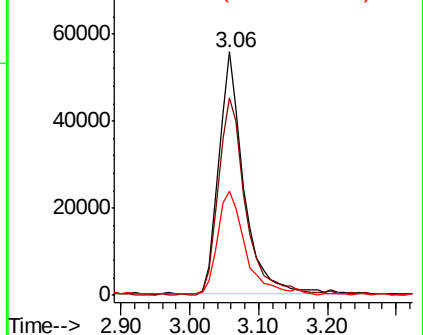
51 43.0 45.6 68.4#



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: 181.135 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060415.D

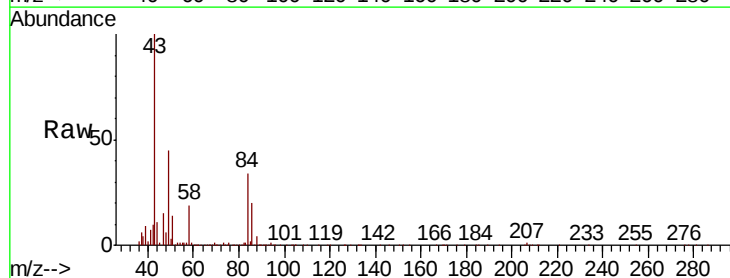
Acq: 2 Oct 2018 21:42

Tgt Ion: 43 Resp: 214167

Ion Ratio Lower Upper

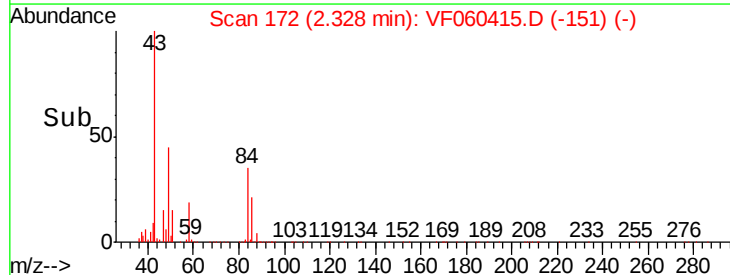
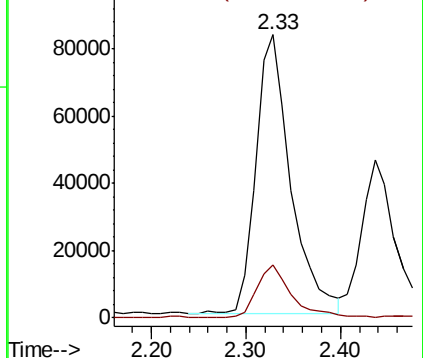
43 100

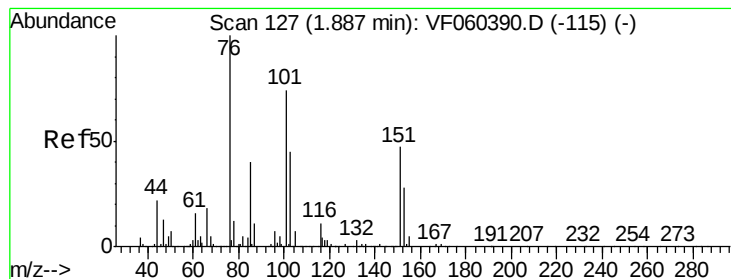
58 18.8 11.2 16.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 44.784 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

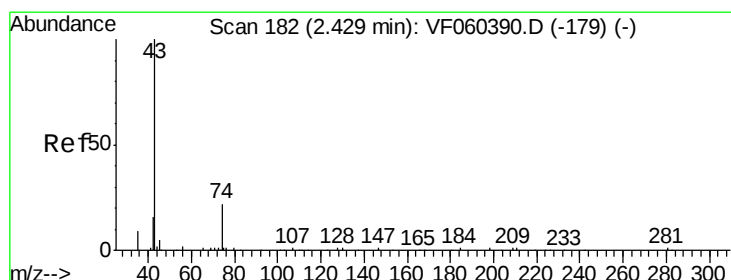
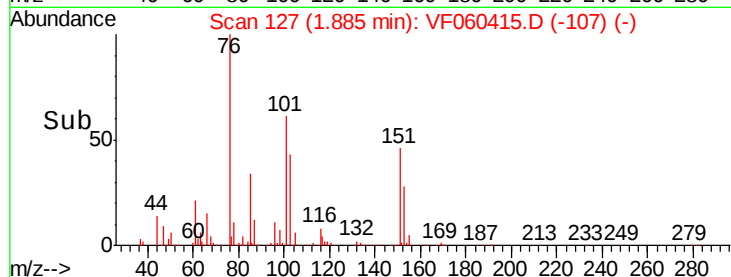
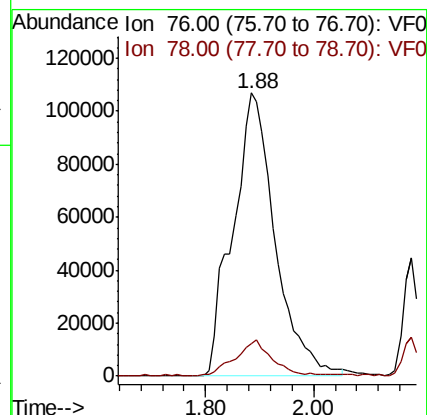
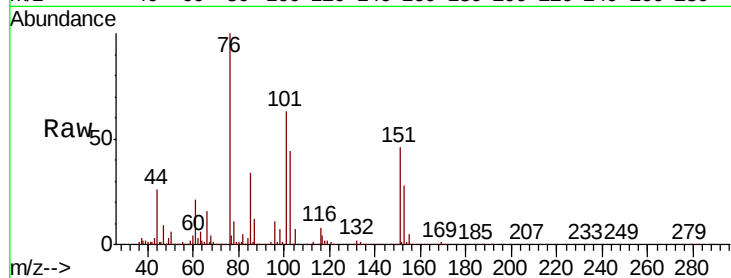
VSTDCCC050EC

Tot Ion: 76 Resp: 582440

Ion Ratio Lower Upper

76 100

78 11.5 10.1 15.1



#18

Methyl Acetate

Concen: 51.601 ug/l

RT: 2.44 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF060415.D

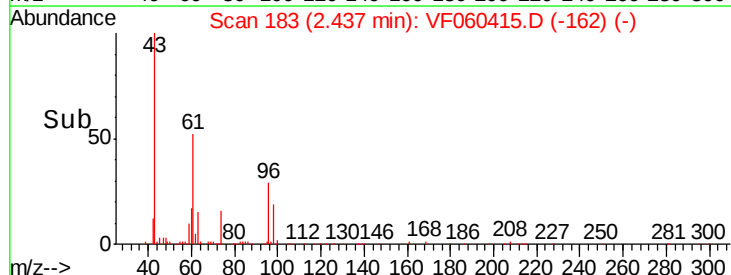
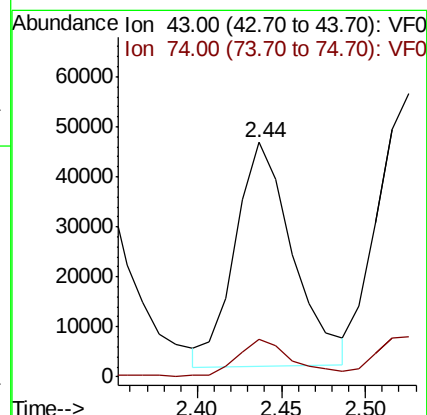
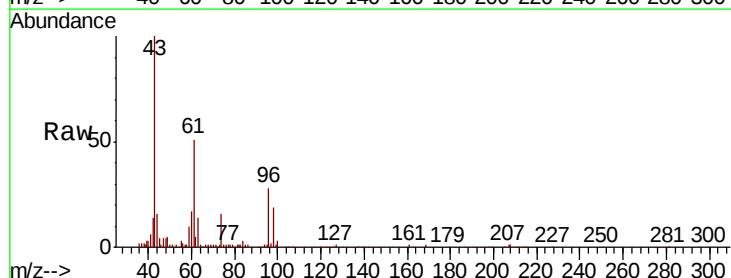
Acq: 2 Oct 2018 21:42

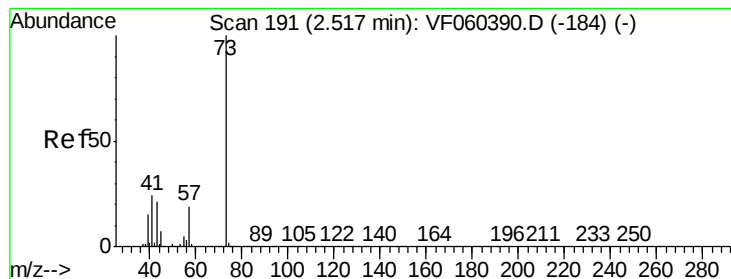
Tgt Ion: 43 Resp: 107330

Ion Ratio Lower Upper

43 100

74 16.0 15.8 23.8



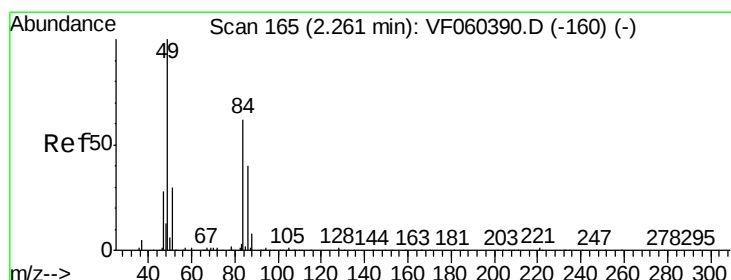
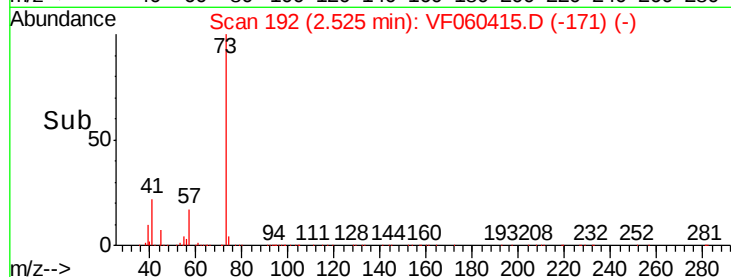
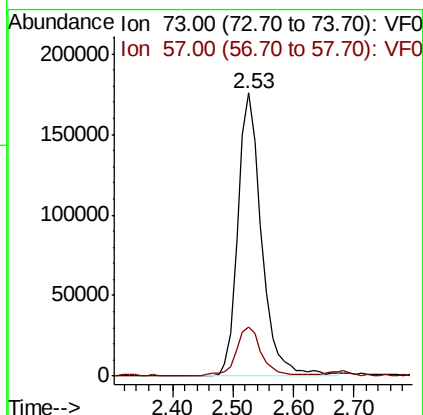
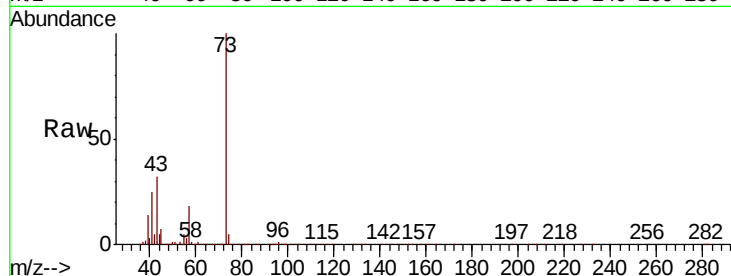


#19

Methyl tert-butyl Ether
 Concen: 45.670 ug/l
 RT: 2.53 min Scan# 192
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

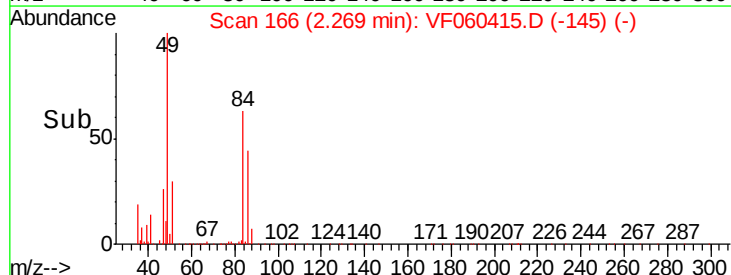
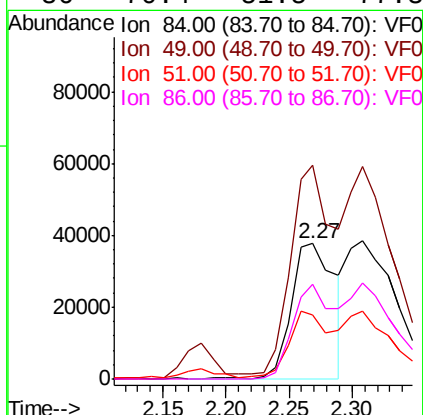
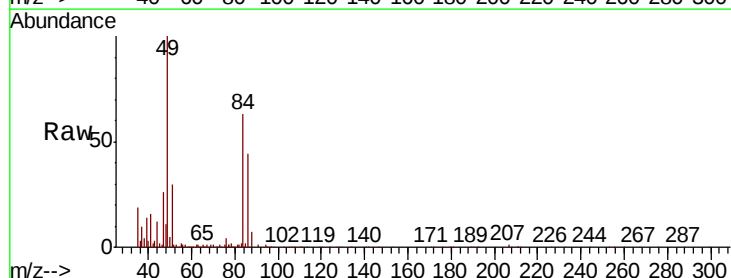
Tot Ion: 73 Resp: 477755
 Ion Ratio Lower Upper
 73 100
 57 17.6 15.9 23.9

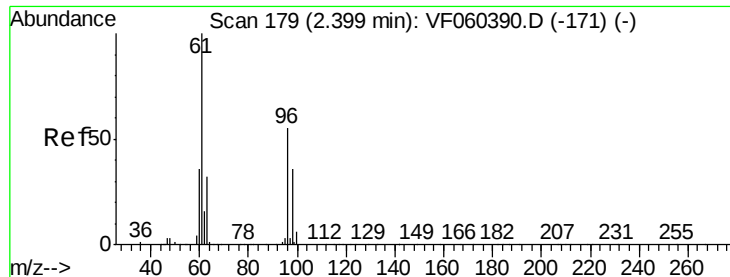


#20

Methylene Chloride
 Concen: 19.012 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion: 84 Resp: 90839
 Ion Ratio Lower Upper
 84 100
 49 157.8 130.2 195.2
 51 47.6 41.0 61.6
 86 70.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 47.011 ug/l

RT: 2.40 min Scan# 179

Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

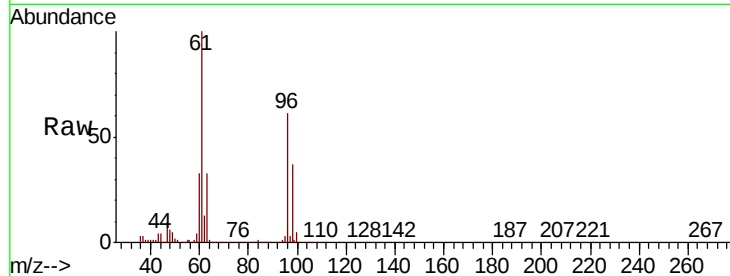
Tot Ion: 96 Resp: 201650

Ion Ratio Lower Upper

96 100

61 164.1 146.2 219.2

98 61.2 52.6 78.8

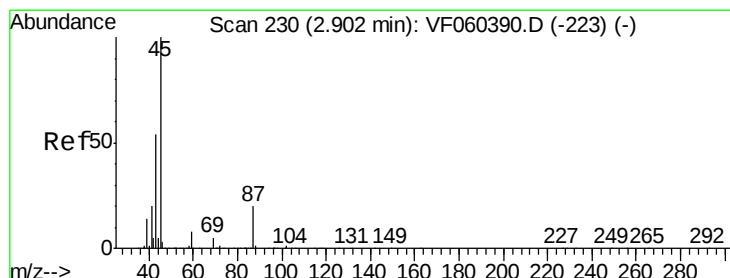
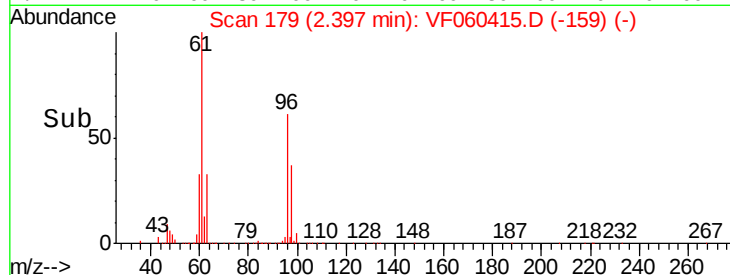
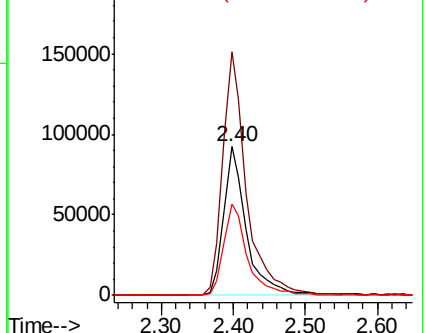


Abundance

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: 46.178 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tgt Ion: 45 Resp: 576830

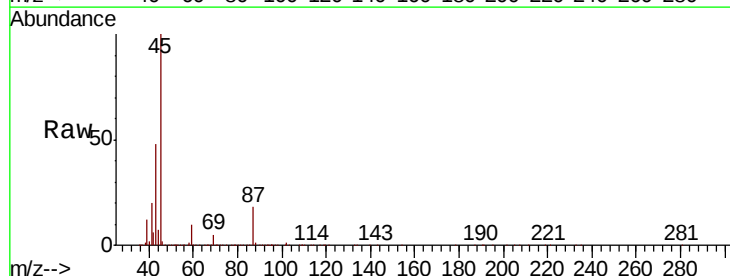
Ion Ratio Lower Upper

45 100

43 48.4 43.8 65.8

87 17.5 16.3 24.5

59 10.5 6.6 10.0#



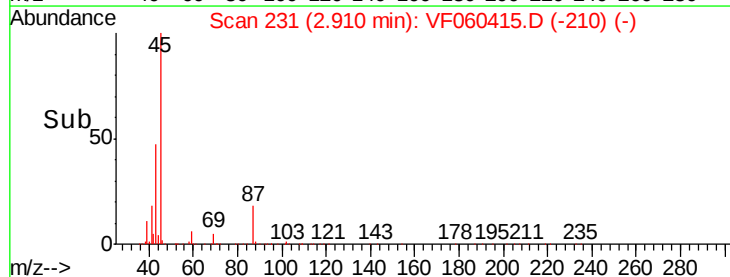
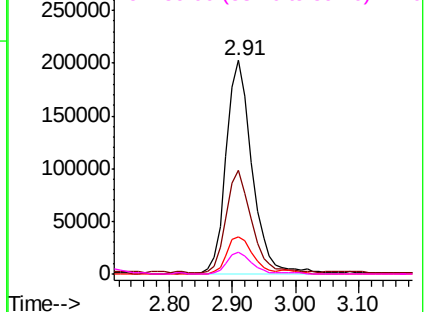
Abundance

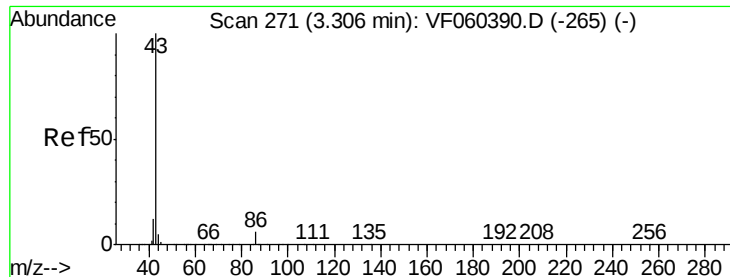
Ion 45.00 (44.70 to 45.70): VF0

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: 236.534 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

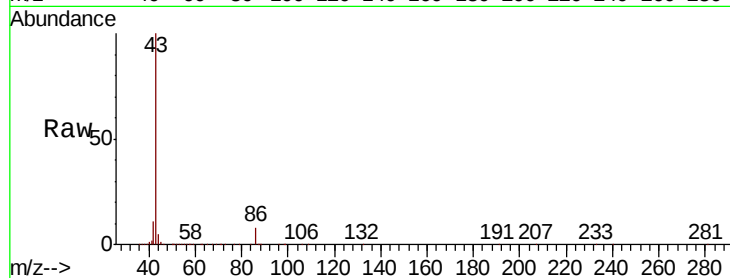
MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1173698

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

3.31

400000

300000

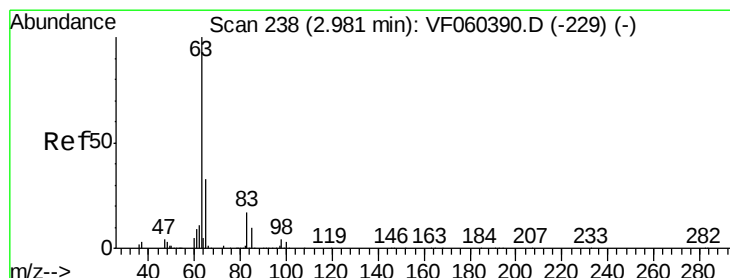
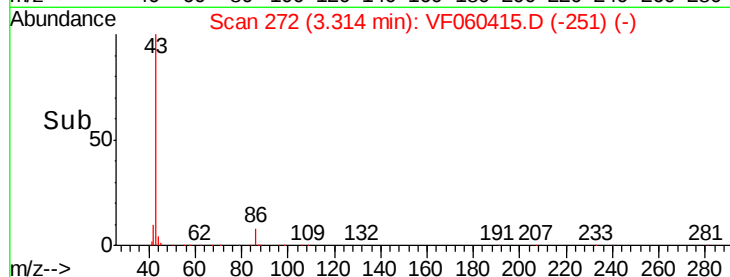
200000

100000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 44.136 ug/l

RT: 2.98 min Scan# 238

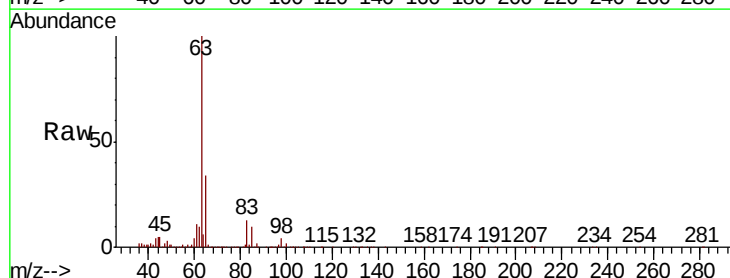
Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tgt Ion: 63 Resp: 372835

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.0	5.8
100	1.8	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

2.98

150000

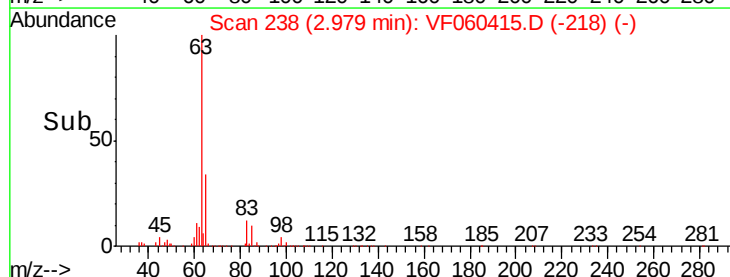
100000

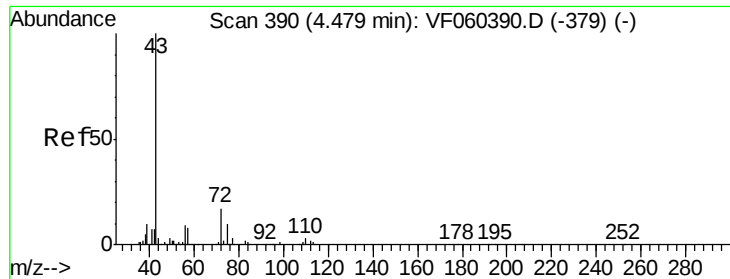
50000

0

Time-->

2.80 2.90 3.00 3.10





#25

2-Butanone

Concen: 257.406 ug/l

RT: 4.49 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

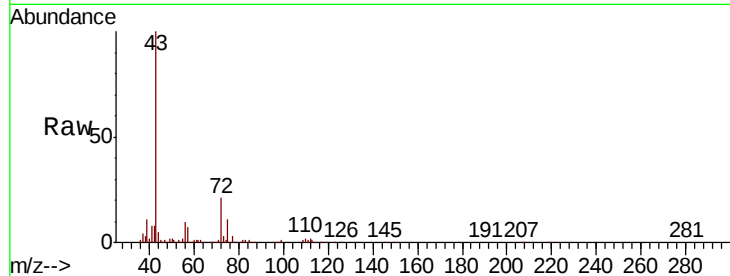
VSTDCCC050EC

Tot Ion: 43 Resp: 369281

Ion Ratio Lower Upper

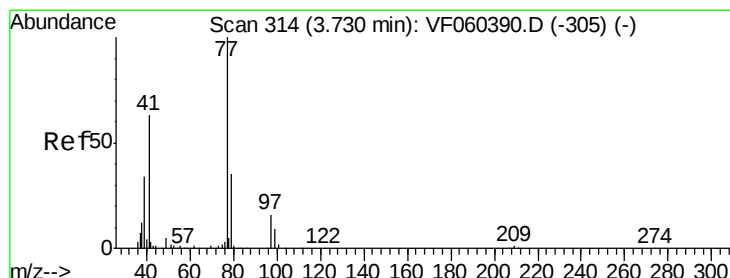
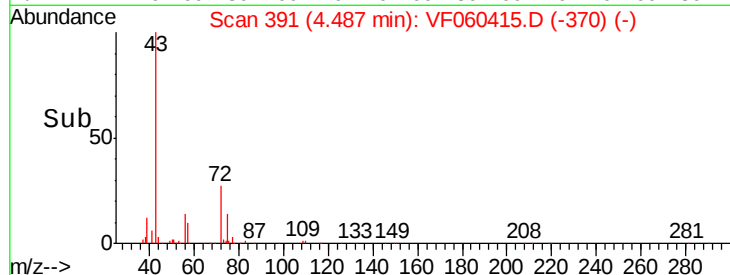
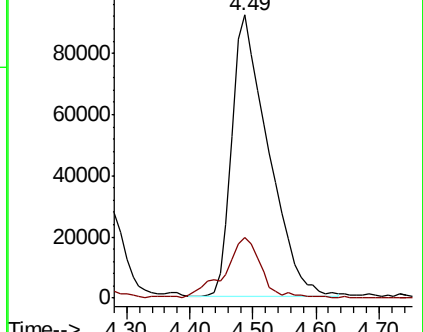
43 100

72 21.2 14.1 21.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 41.333 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF060415.D

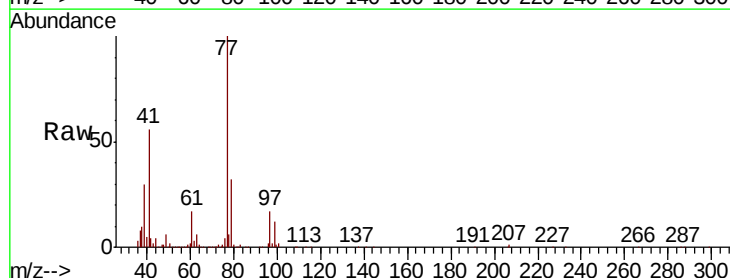
Acq: 2 Oct 2018 21:42

Tgt Ion: 77 Resp: 197751

Ion Ratio Lower Upper

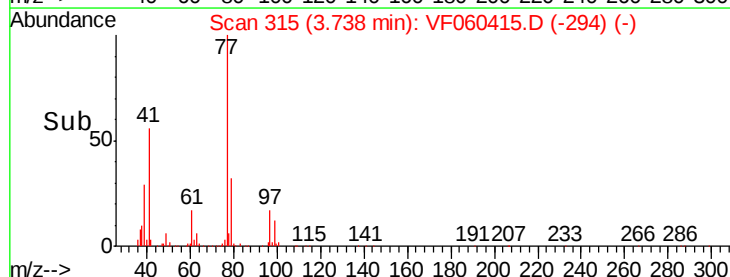
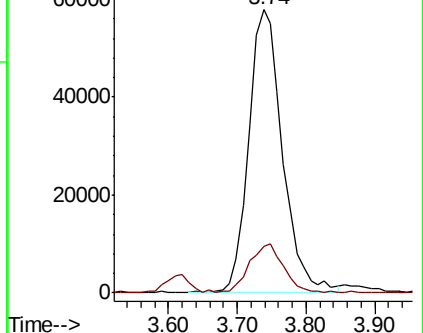
77 100

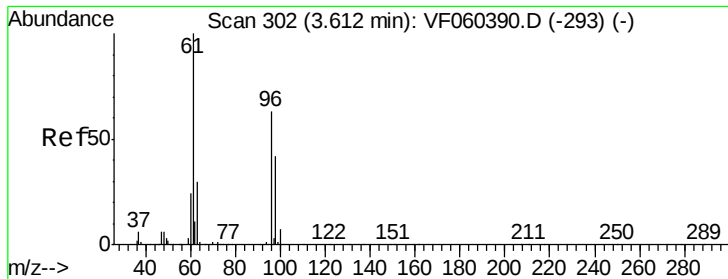
97 16.7 8.3 25.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



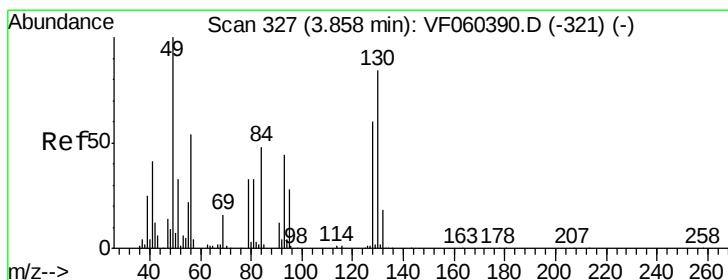
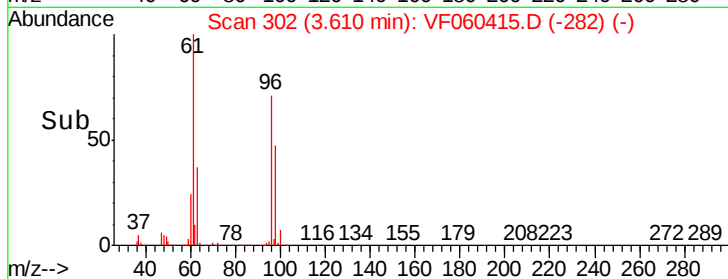
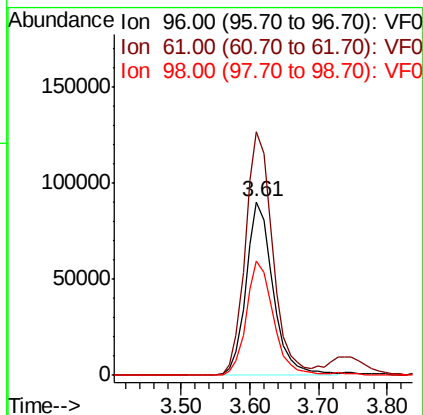
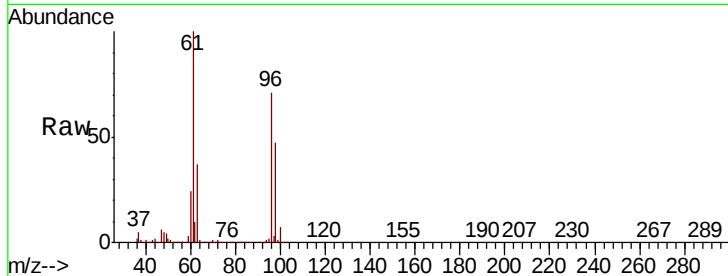


#27

cis-1,2-Dichloroethene
 Concen: 51.414 ug/l
 RT: 3.61 min Scan# 302
 Delta R.T. -0.00 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

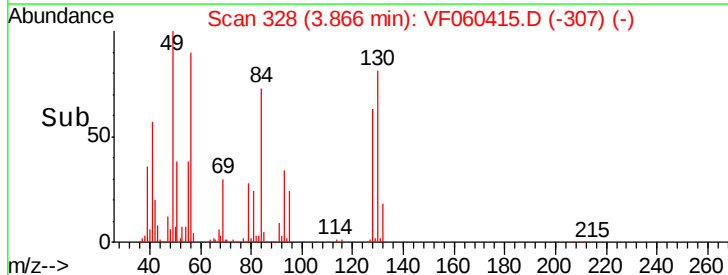
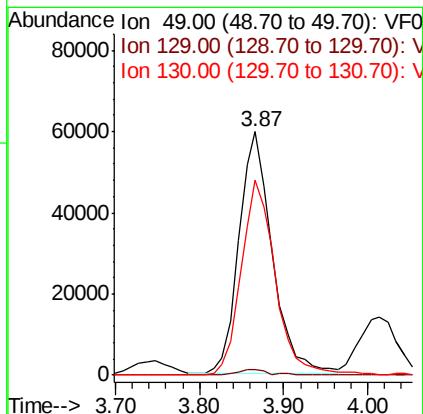
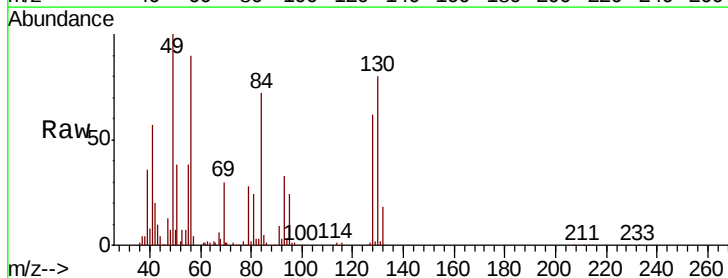
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	318.2
98	65.7	0.0	134.0

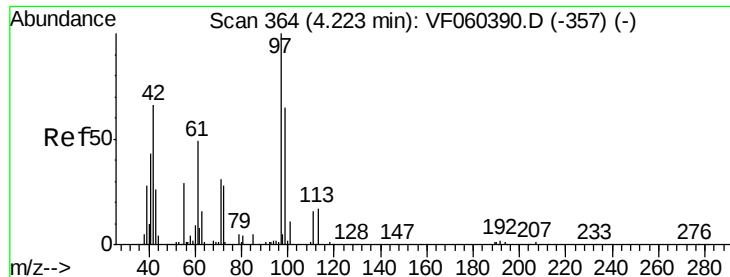


#28

Bromochloromethane
 Concen: 53.300 ug/l
 RT: 3.87 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	80.2	67.3	100.9





#29

Tetrahydrofuran

Concen: 286.156 ug/l

RT: 4.23 min Scan# 365

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

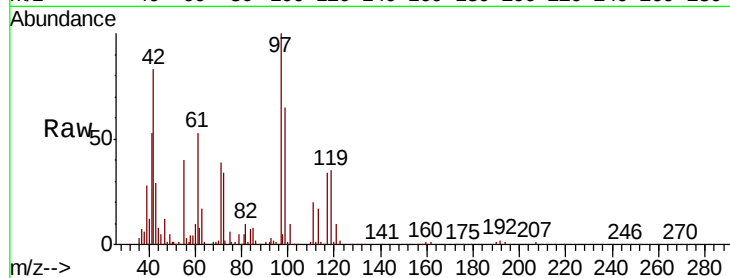
Tot Ion: 42 Resp: 154287

Ion Ratio Lower Upper

42 100

72 41.3 33.6 50.4

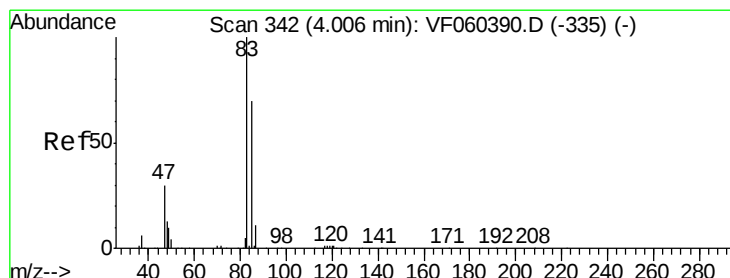
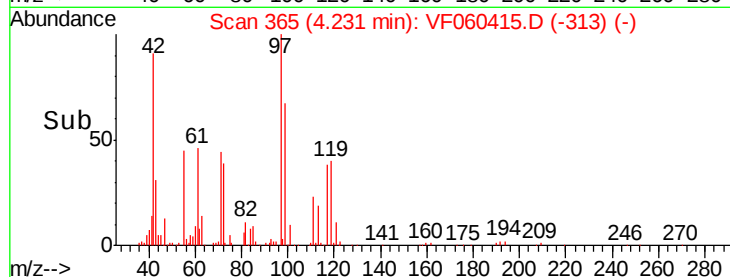
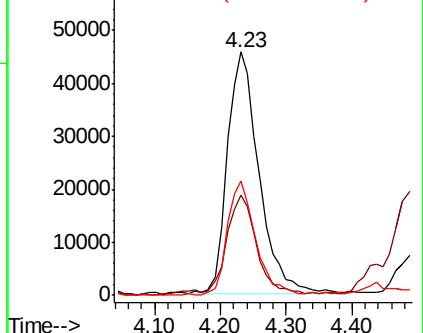
71 42.4 32.7 49.1



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: 46.080 ug/l

RT: 4.01 min Scan# 343

Delta R.T. 0.01 min

Lab File: VF060415.D

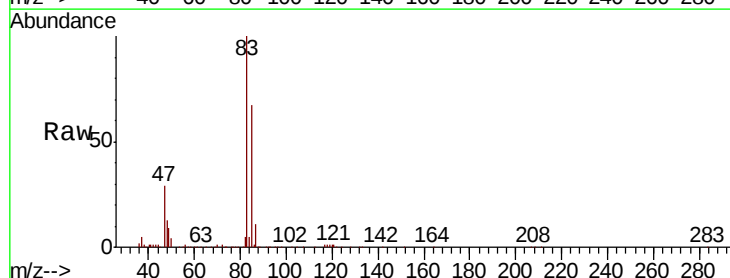
Acq: 2 Oct 2018 21:42

Tgt Ion: 83 Resp: 480307

Ion Ratio Lower Upper

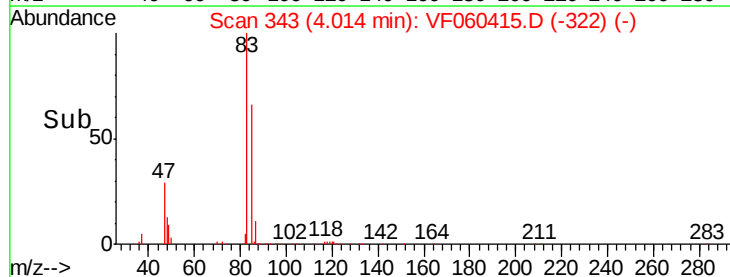
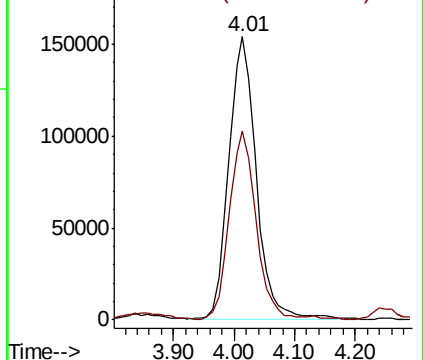
83 100

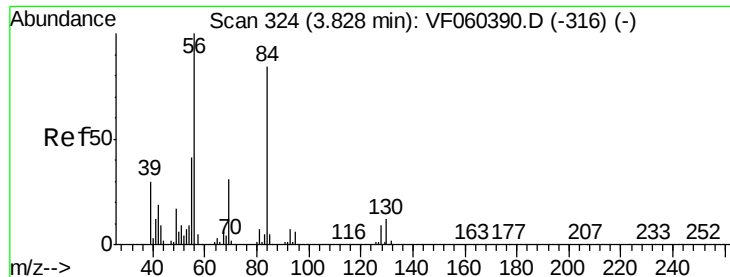
85 66.7 55.9 83.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

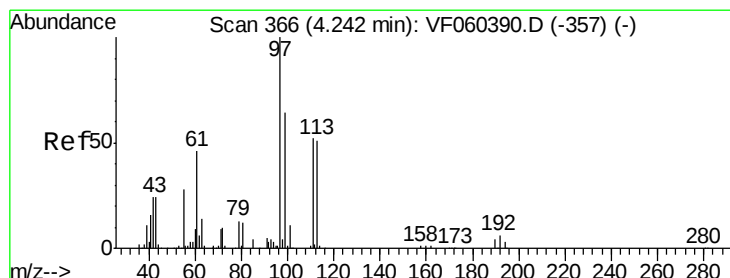
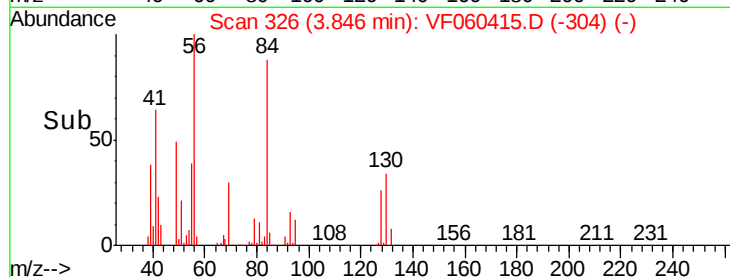
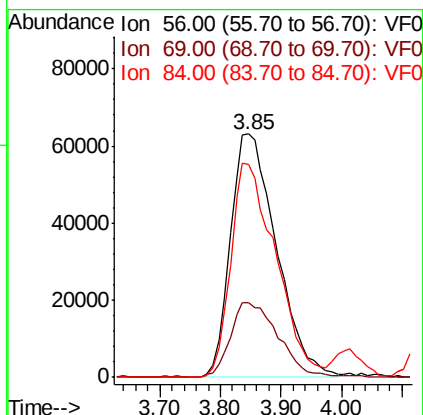
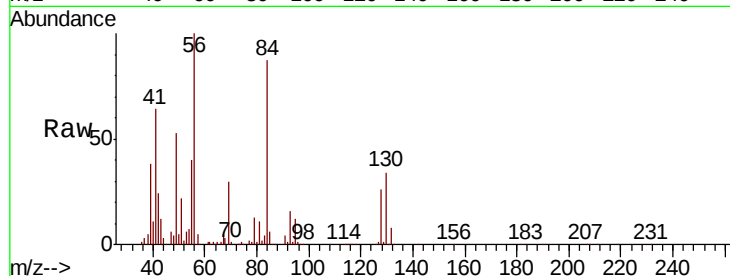




#31
Cyclohexane
Concen: 54.841 ug/l
RT: 3.85 min Scan# 326
Delta R.T. 0.02 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

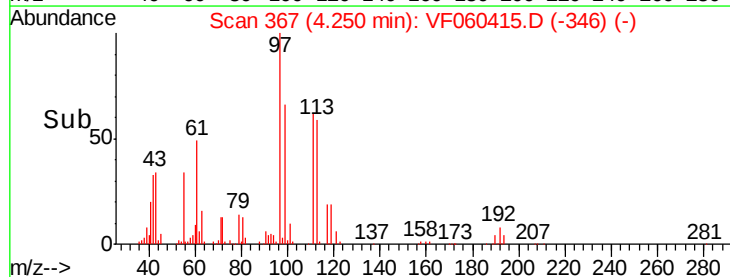
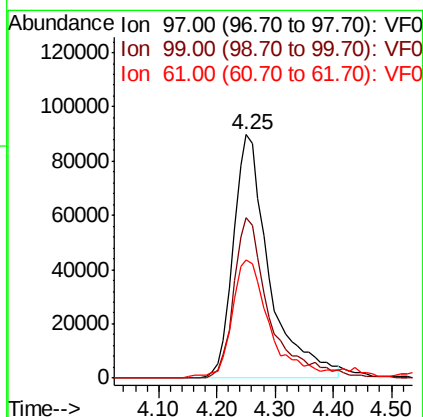
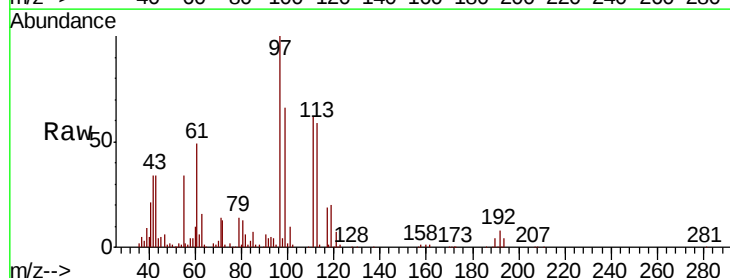
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

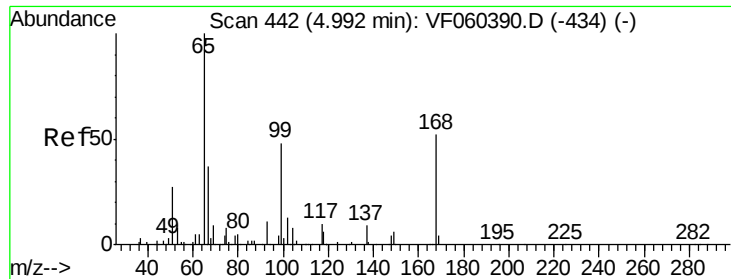
Tot Ion: 56 Resp: 332651
Ion Ratio Lower Upper
56 100
69 30.4 25.5 38.3
84 87.5 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 44.634 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion: 97 Resp: 387143
Ion Ratio Lower Upper
97 100
99 65.9 51.0 76.4
61 48.7 37.5 56.3





#33

1,2-Dichloroethane-d4

Concen: 40.261 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

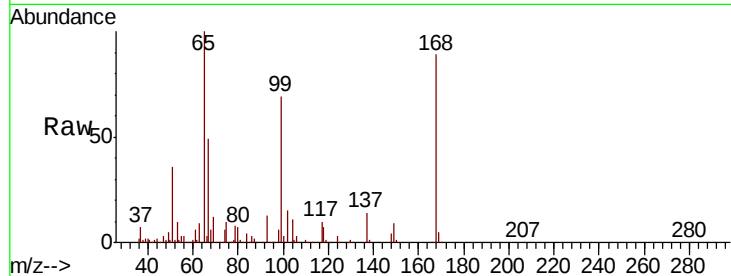
VSTDCCC050EC

Tot Ion: 65 Resp: 223066

Ion Ratio Lower Upper

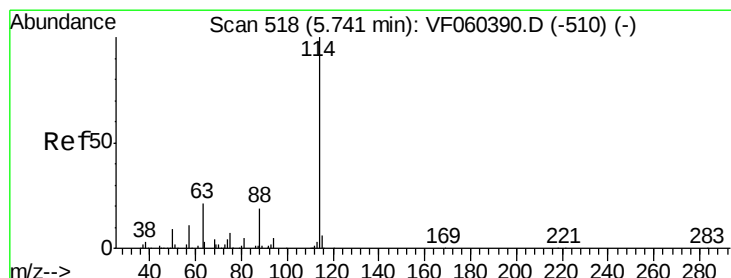
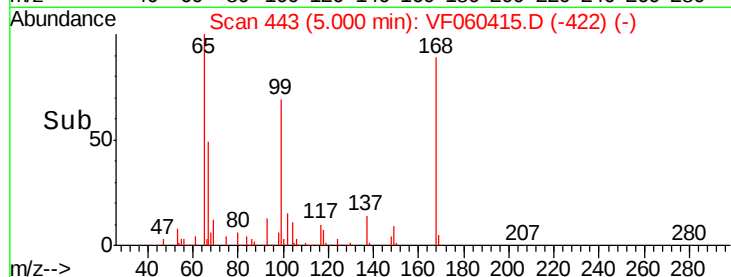
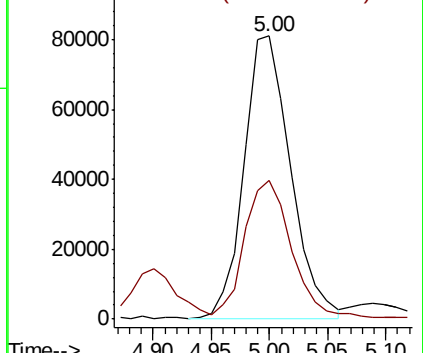
65 100

67 48.8 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: 5.74 min Scan# 518

Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

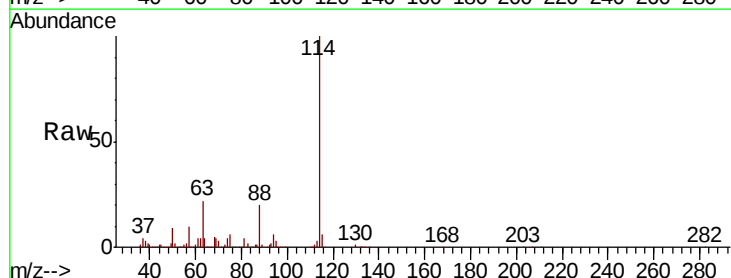
Tgt Ion: 114 Resp: 563649

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.2

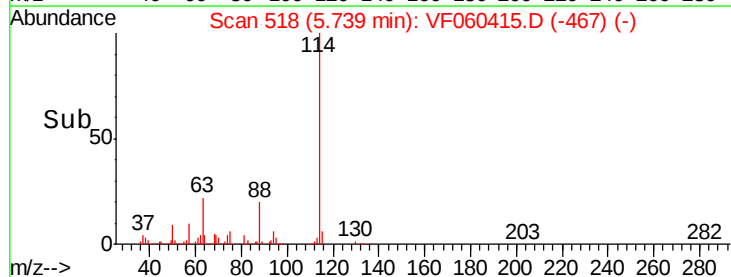
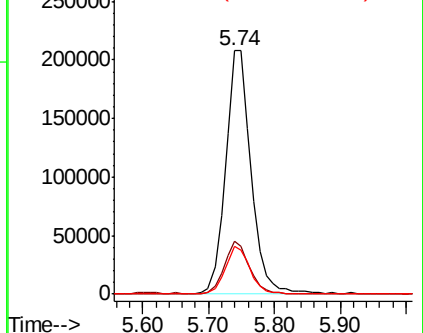
88 19.7 0.0 38.8

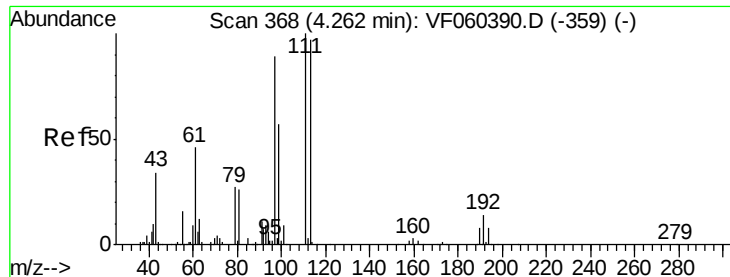


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 49.275 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

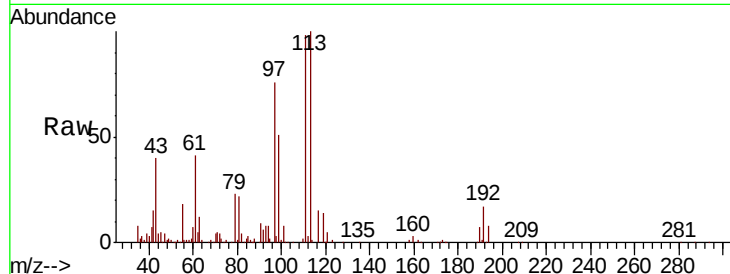
Tot Ion:113 Resp: 260918

Ion Ratio Lower Upper

113 100

111 97.8 82.3 123.5

192 17.4 11.8 17.6

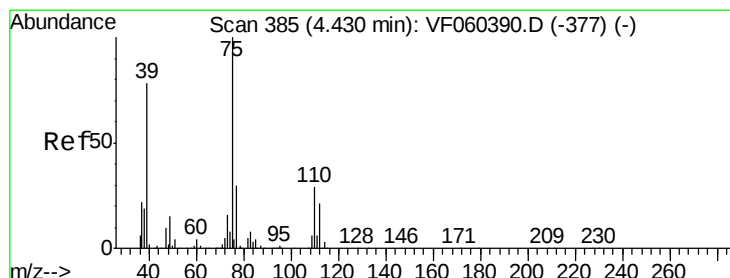
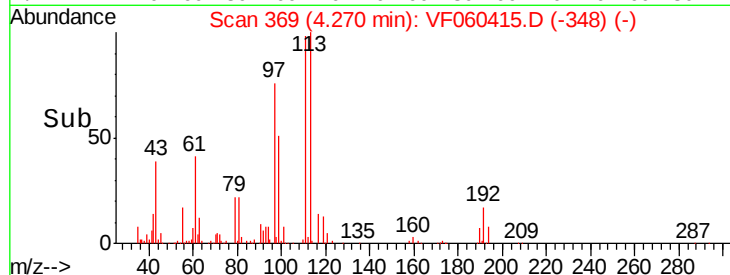
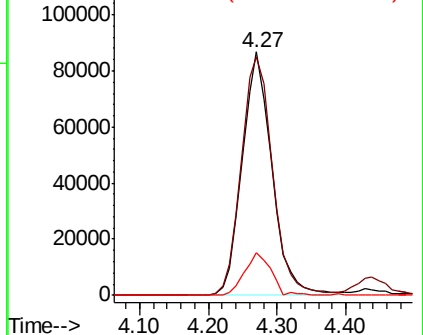


Abundance

Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 52.650 ug/l

RT: 4.44 min Scan# 386

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

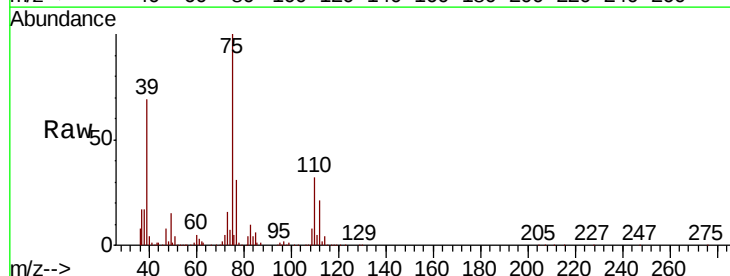
Tgt Ion: 75 Resp: 365884

Ion Ratio Lower Upper

75 100

110 32.2 14.5 43.6

77 31.2 24.3 36.5

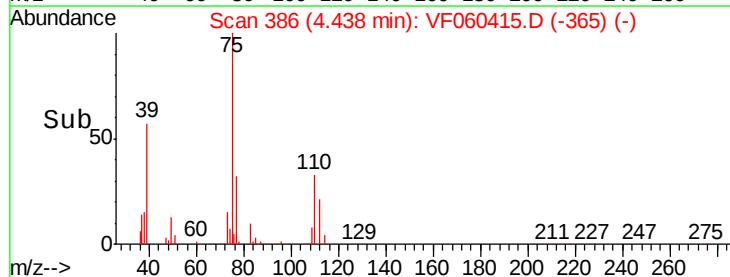
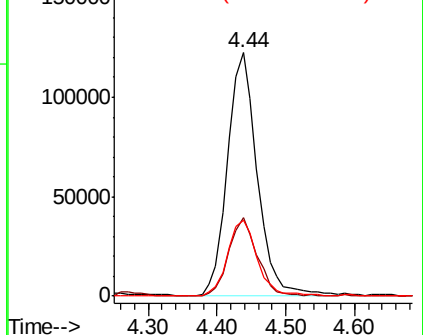


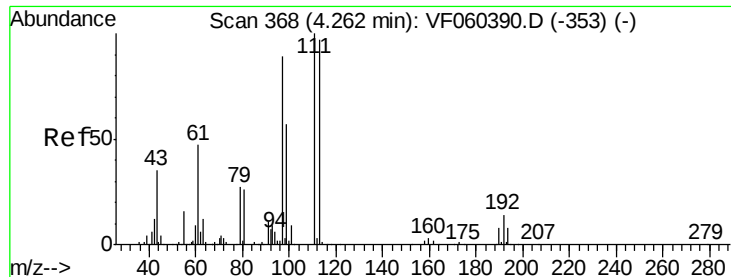
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

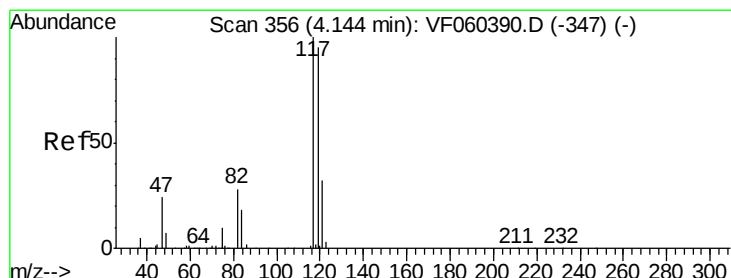
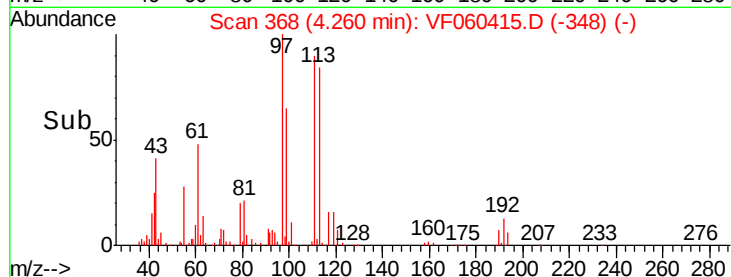
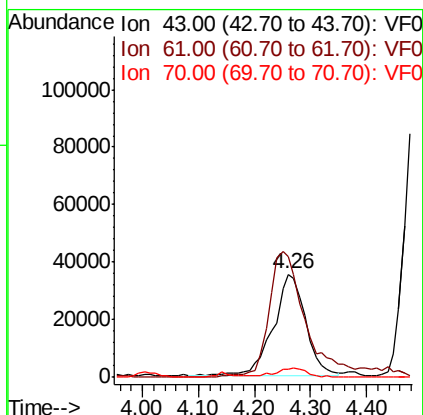
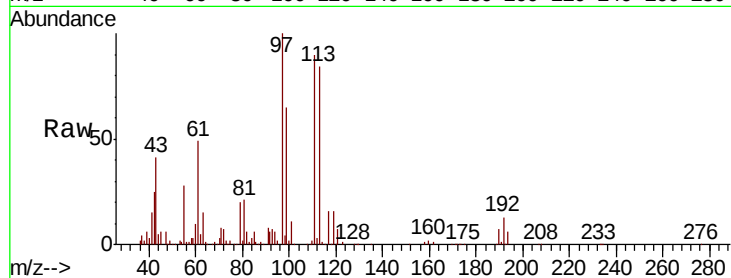




#37
Ethyl Acetate
Concen: 53.733 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

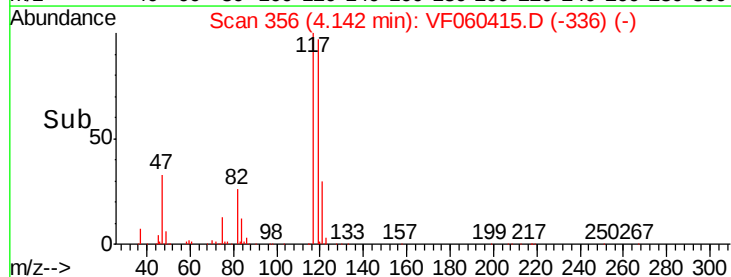
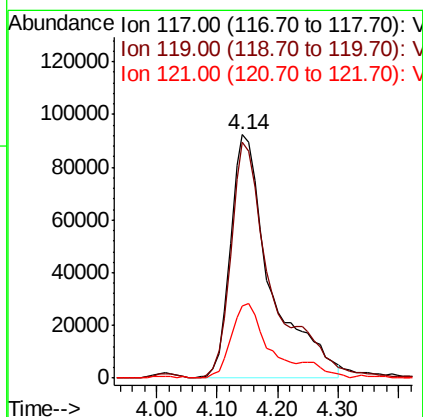
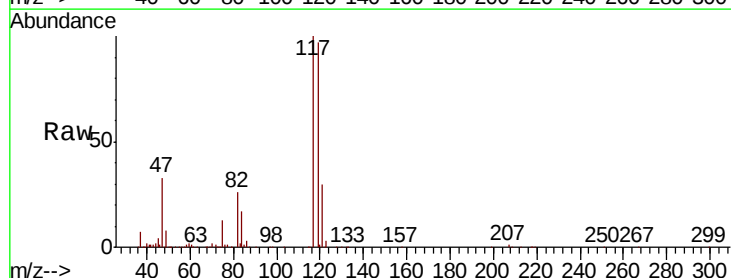
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

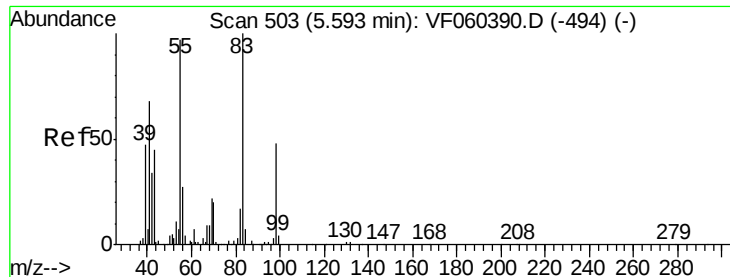
Tot Ion: 43 Resp: 142993
Ion Ratio Lower Upper
43 100
61 117.1 105.1 157.7
70 8.1 8.0 12.0



#38
Carbon Tetrachloride
Concen: 50.132 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion: 117 Resp: 424062
Ion Ratio Lower Upper
117 100
119 97.1 75.5 113.3
121 29.6 25.4 38.0

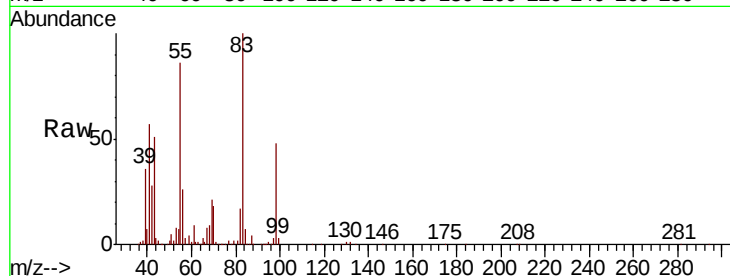




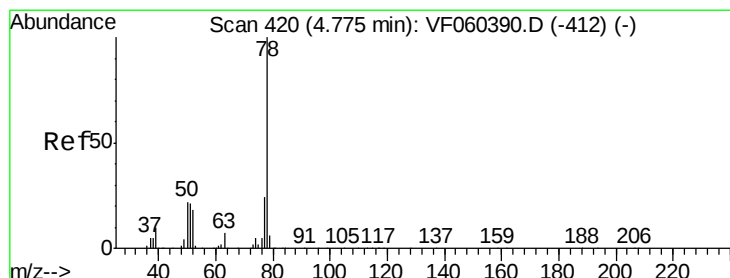
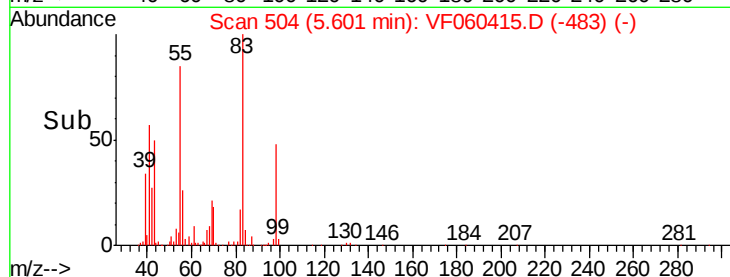
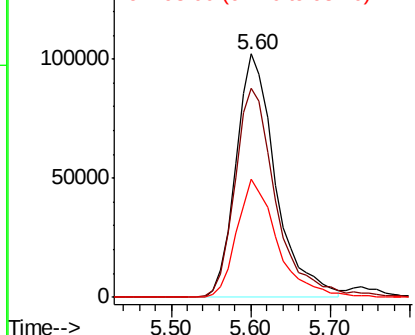
#39
Methvlcvclohexane
Concen: 51.799 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 352895
Ion Ratio Lower Upper
83 100
55 85.8 77.5 116.3
98 48.5 38.7 58.1

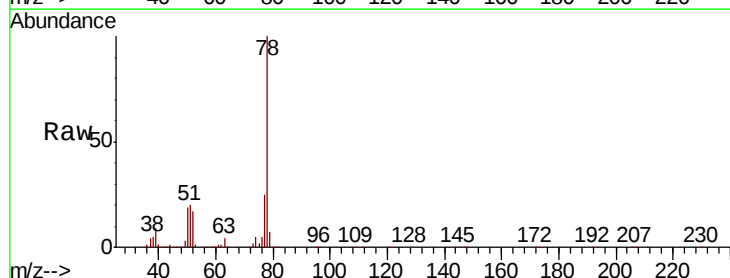


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

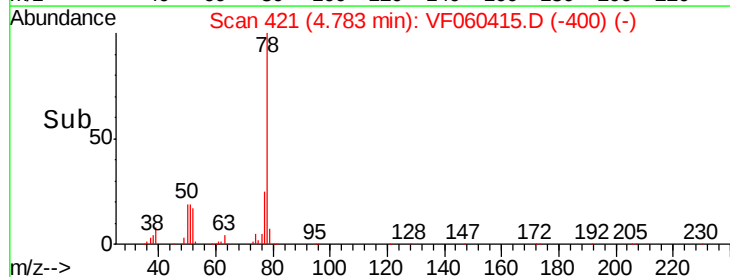
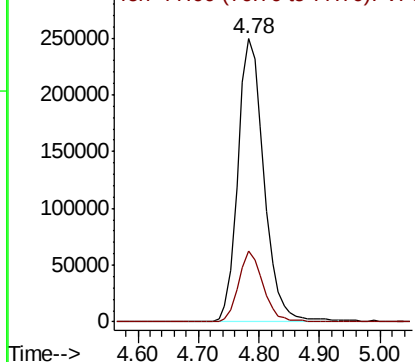


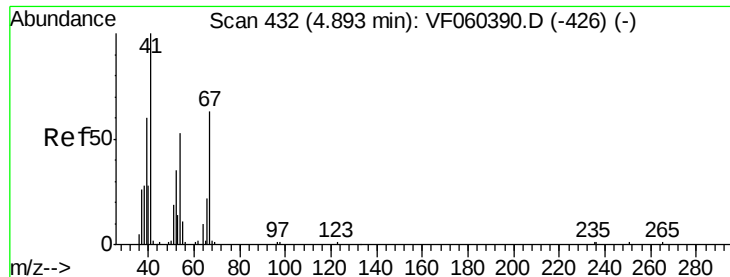
#40
Benzene
Concen: 54.329 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion: 78 Resp: 749508
Ion Ratio Lower Upper
78 100
77 24.9 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 49.590 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 69972

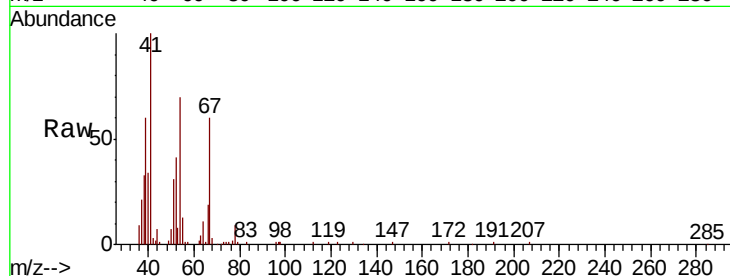
Ion Ratio Lower Upper

41 100

39 59.9 55.0 82.4

67 60.4 49.6 74.4

52 41.4 38.8 58.2

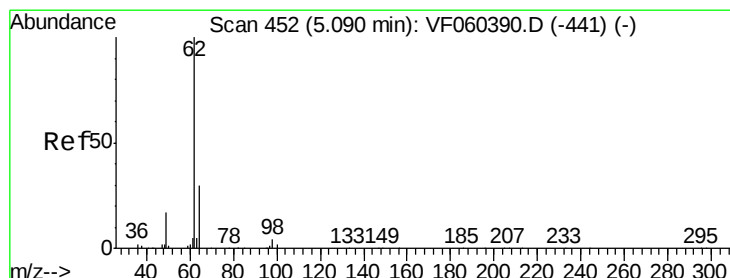
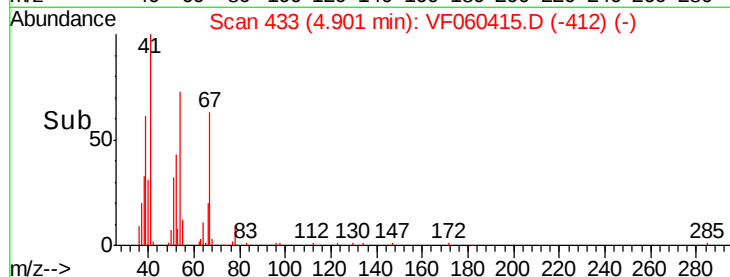
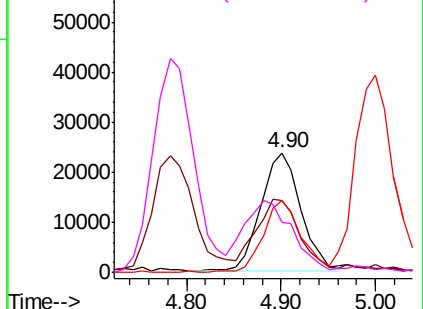


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 41.375 ug/l

RT: 5.10 min Scan# 453

Delta R.T. 0.01 min

Lab File: VF060415.D

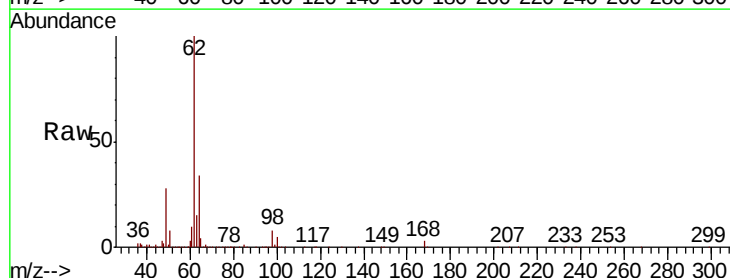
Acq: 2 Oct 2018 21:42

Tgt Ion: 62 Resp: 272316

Ion Ratio Lower Upper

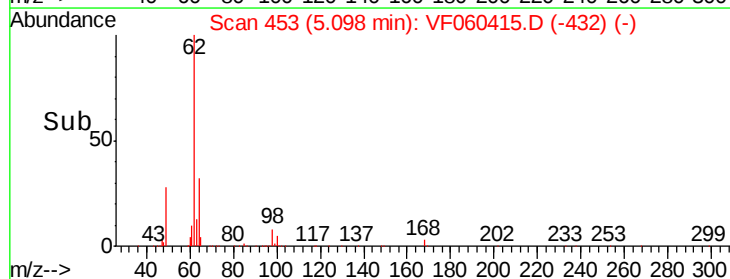
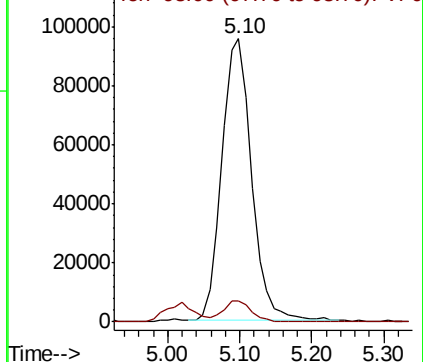
62 100

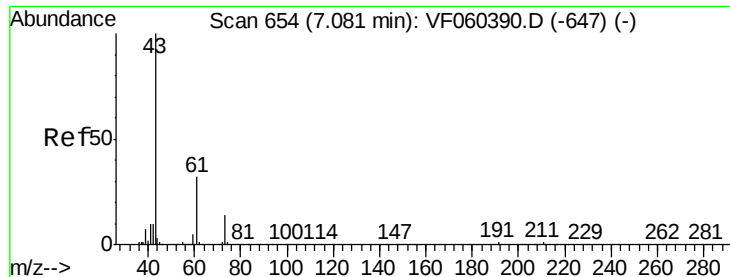
98 7.6 0.0 11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



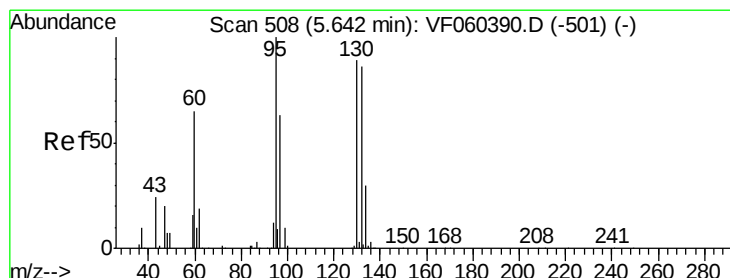
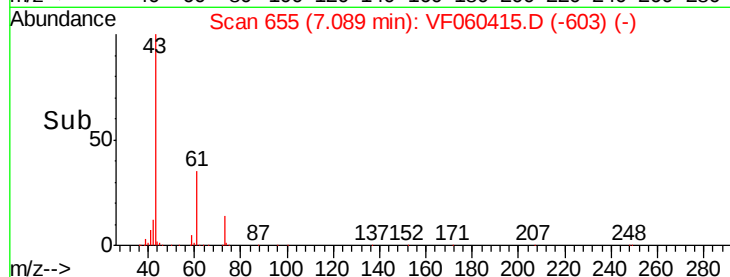
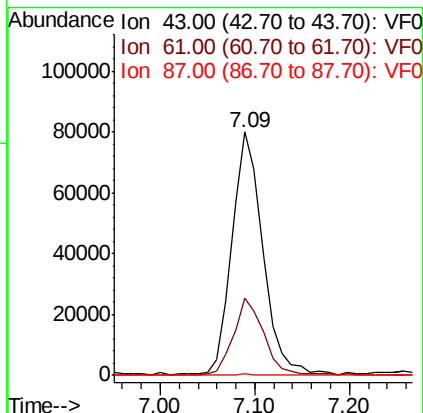
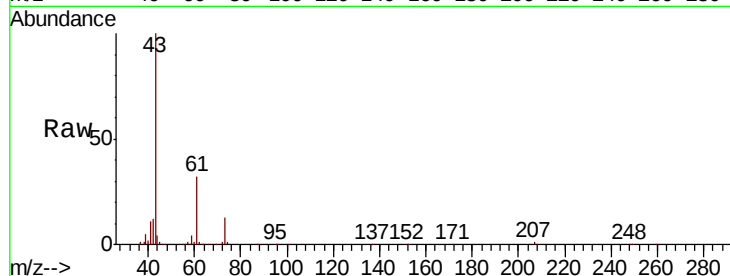


#43

Isopropyl Acetate
 Concen: 55.950 ug/l
 RT: 7.09 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

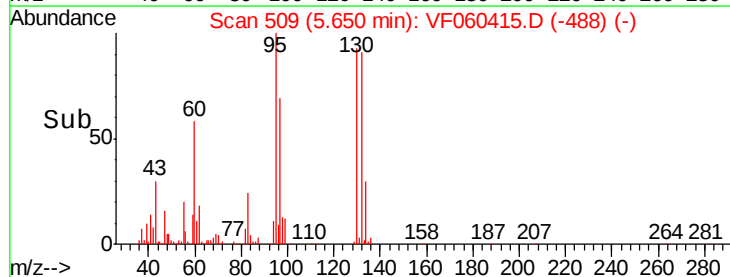
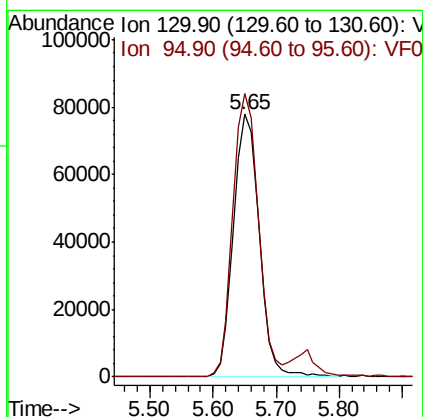
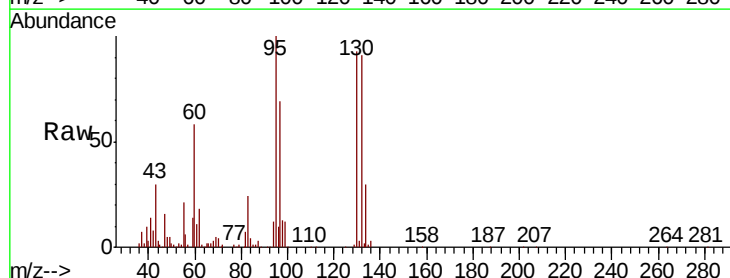
Tot Ion: 43 Resp: 179934
 Ion Ratio Lower Upper
 43 100
 61 31.9 25.4 38.2
 87 0.5 0.3 0.5

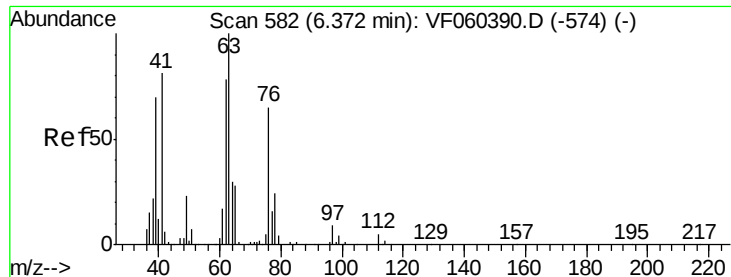


#44

Trichloroethene
 Concen: 49.841 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion: 130 Resp: 220626
 Ion Ratio Lower Upper
 130 100
 95 107.9 0.0 224.4





#45

1,2-Dichloropropane

Concen: 53.420 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

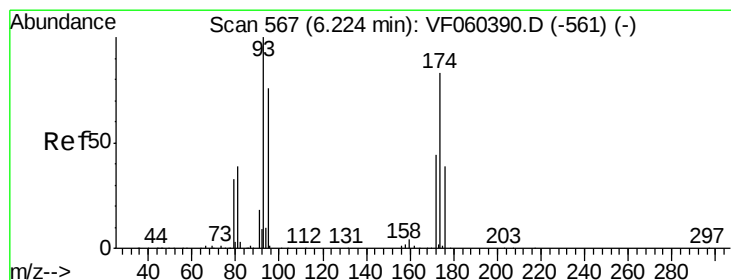
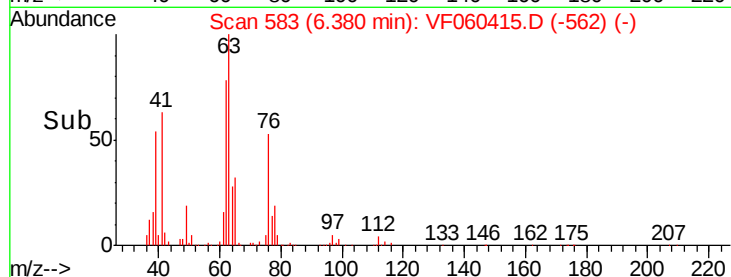
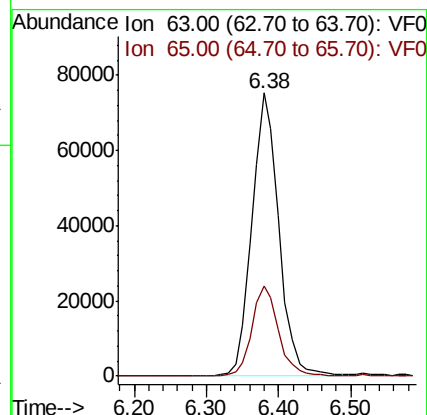
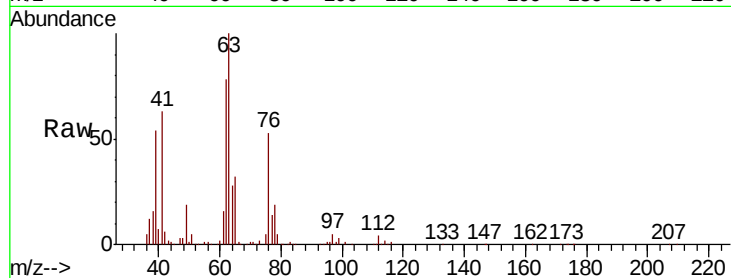
VSTDCCC050EC

Tot Ion: 63 Resp: 196264

Ion Ratio Lower Upper

63 100

65 31.9 22.7 34.1



#46

Dibromomethane

Concen: 48.115 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

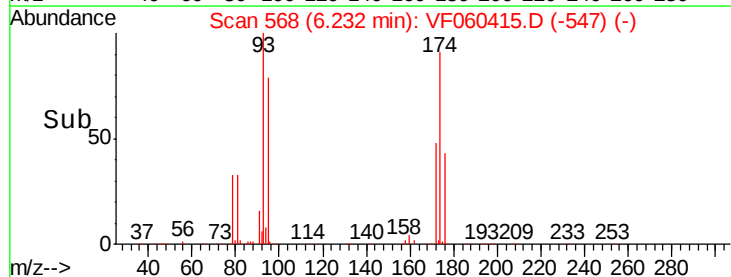
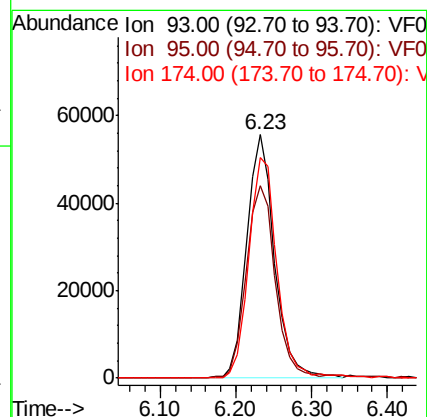
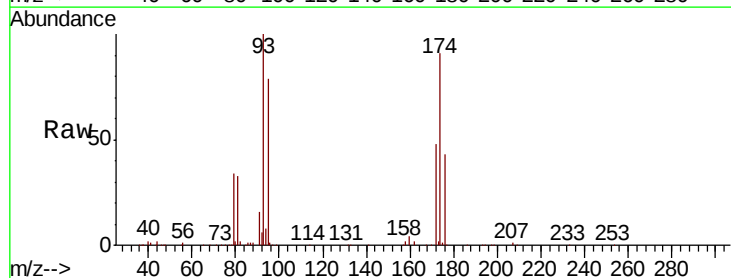
Tgt Ion: 93 Resp: 142127

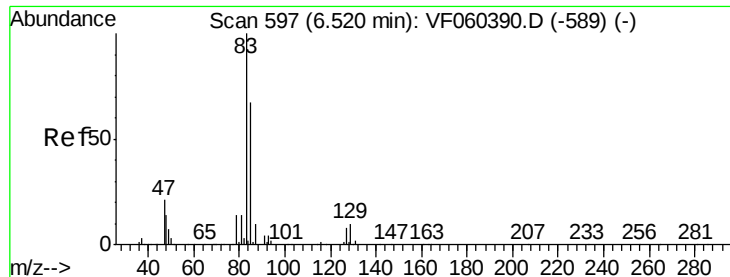
Ion Ratio Lower Upper

93 100

95 79.2 61.1 91.7

174 91.9 66.7 100.1





#47

Bromodichloromethane

Concen: 44.484 ug/l

RT: 6.53 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

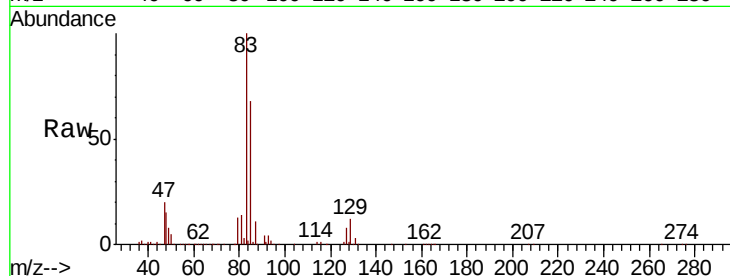
Tot Ion: 83 Resp: 325432

Ion Ratio Lower Upper

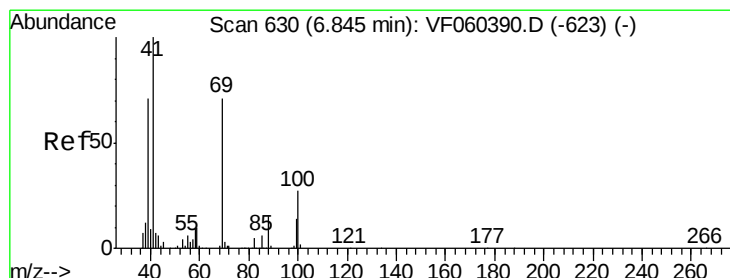
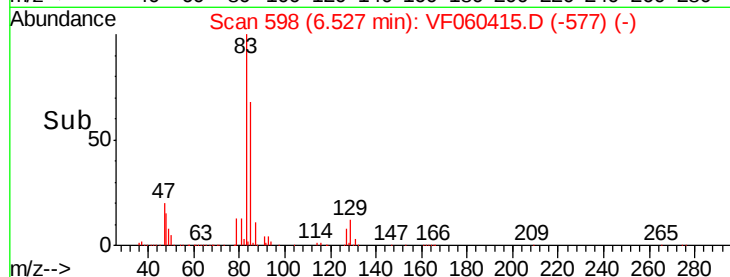
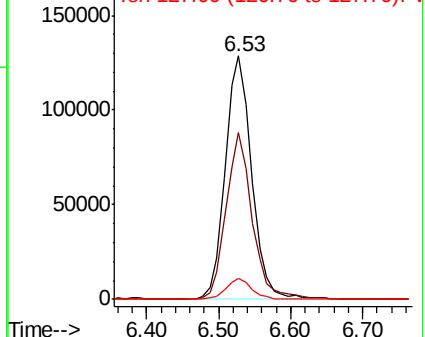
83 100

85 68.4 53.2 79.8

127 8.3 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: 47.770 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

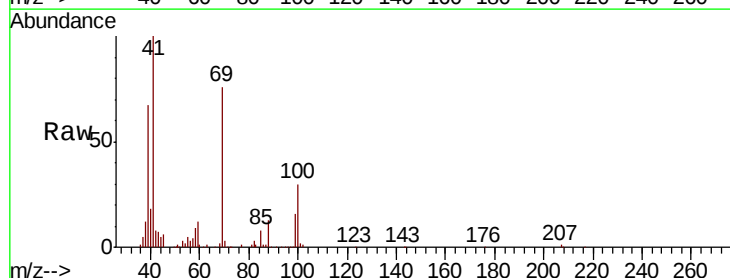
Tgt Ion: 41 Resp: 110278

Ion Ratio Lower Upper

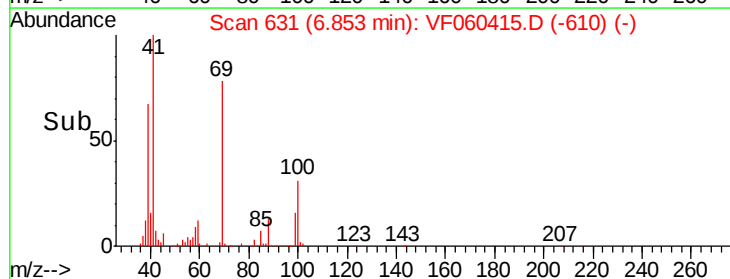
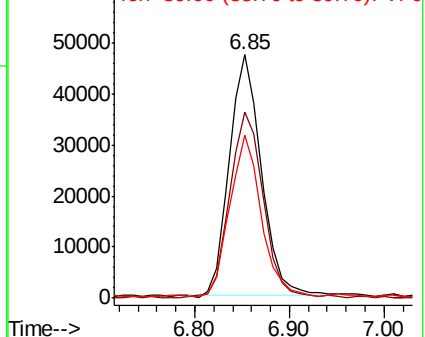
41 100

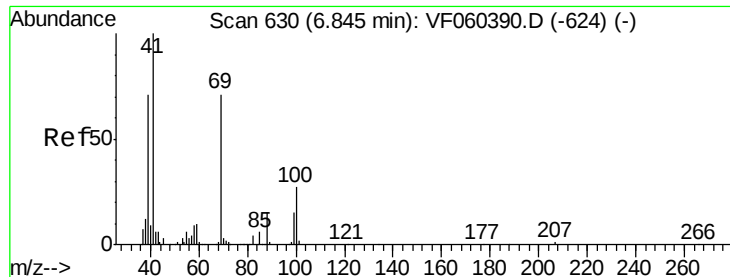
69 76.3 56.3 84.5

39 67.1 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

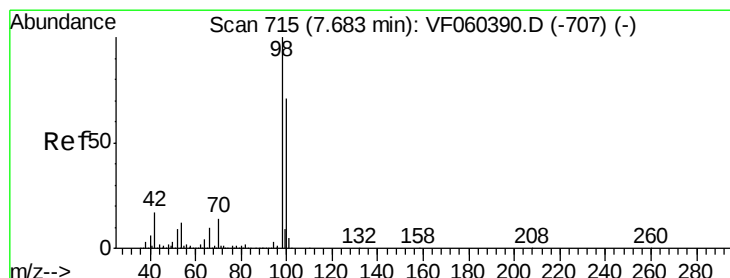
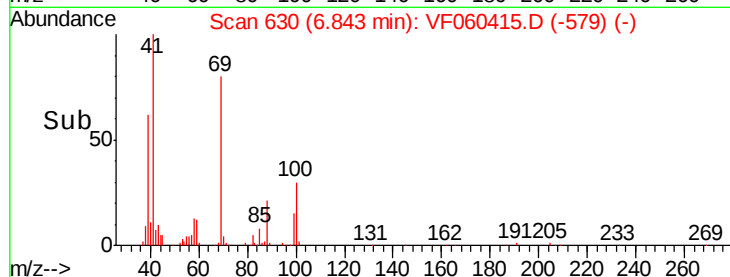
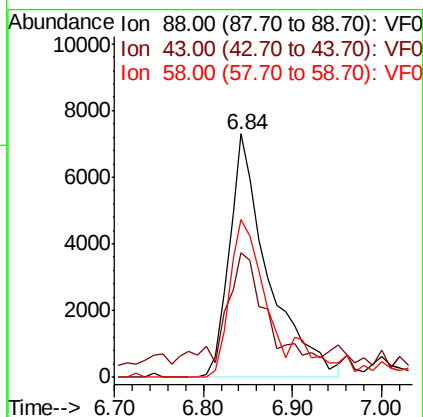
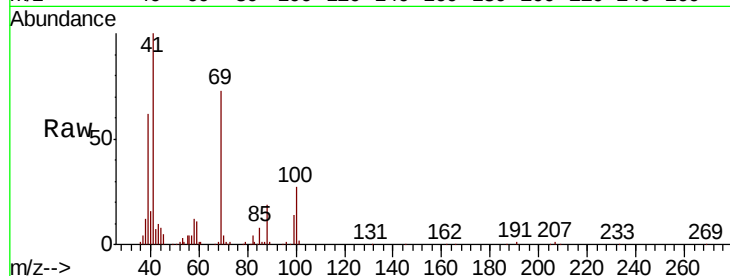




#49
1,4-Dioxane
Concen: 1112.201 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

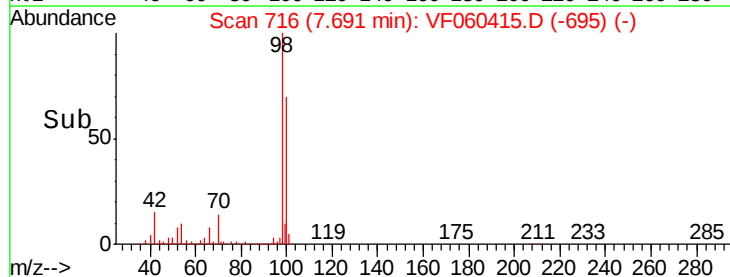
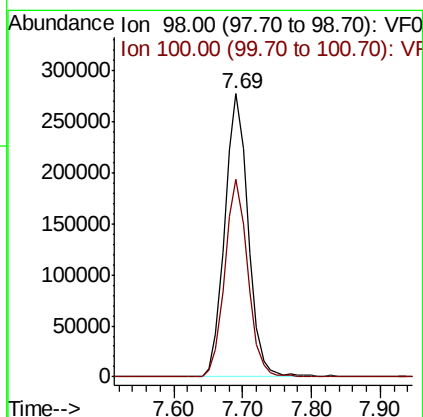
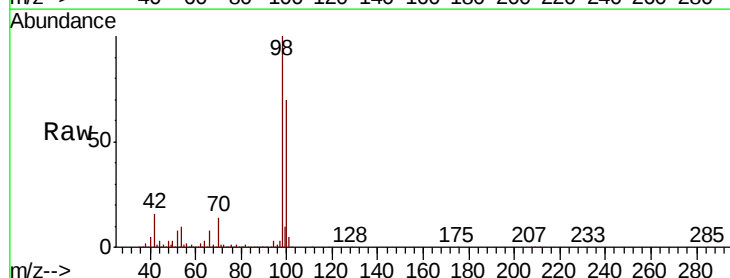
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

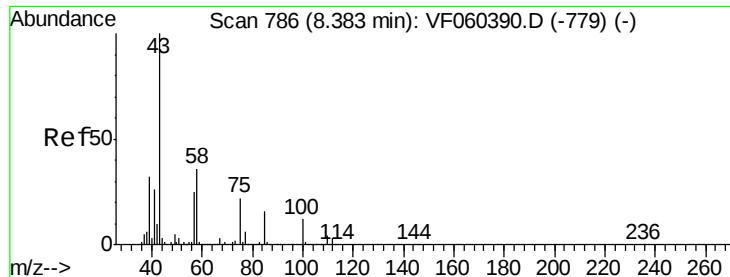
Tot Ion: 88 Resp: 22138
Ion Ratio Lower Upper
88 100
43 50.9 38.3 57.5
58 64.8 47.4 71.2



#50
Toluene-d8
Concen: 50.135 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion: 98 Resp: 653807
Ion Ratio Lower Upper
98 100
100 69.9 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 265.212 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

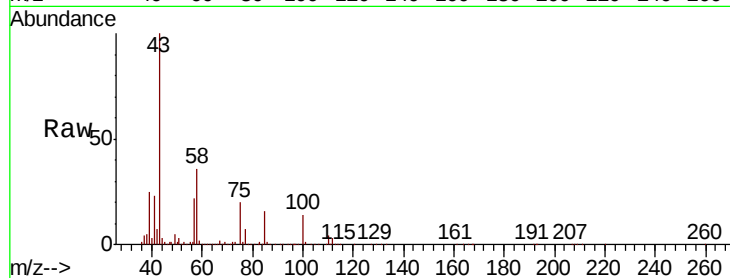
VSTDCCC050EC

Tot Ion: 43 Resp: 607143

Ion Ratio Lower Upper

43 100

58 36.5 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

250000

200000

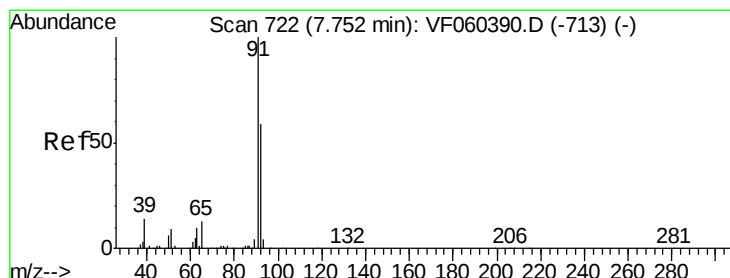
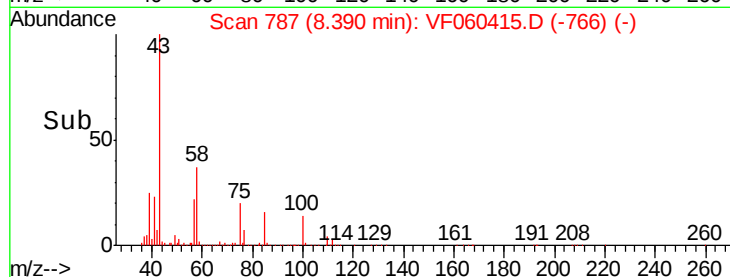
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 51.791 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060415.D

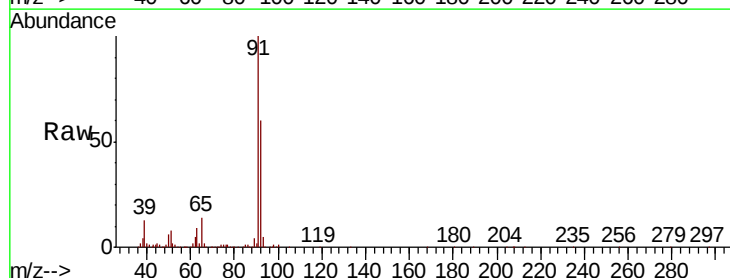
Acq: 2 Oct 2018 21:42

Tgt Ion: 92 Resp: 485306

Ion Ratio Lower Upper

92 100

91 166.7 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

400000

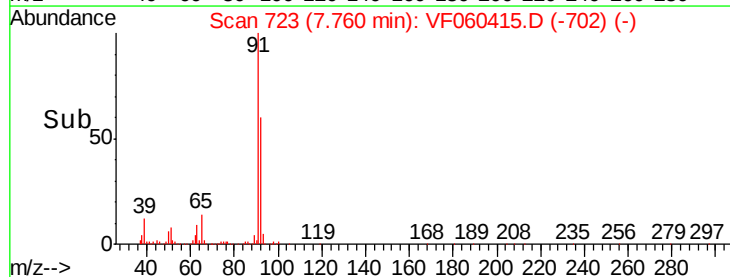
300000

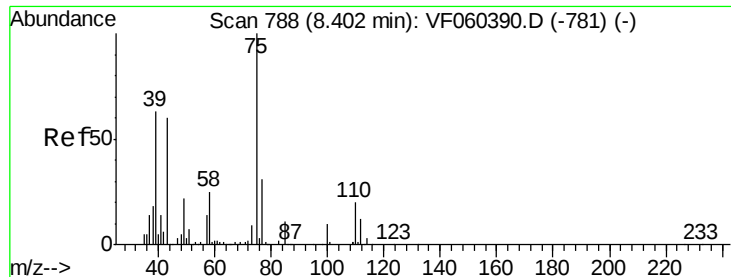
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 44.931 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

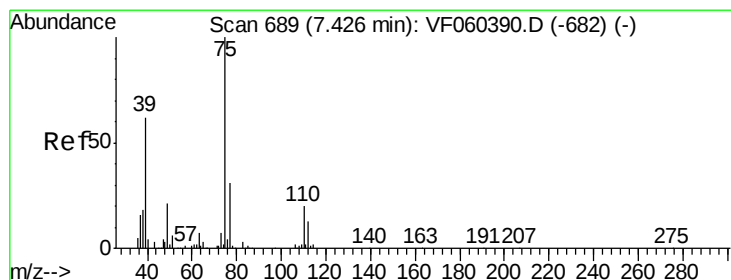
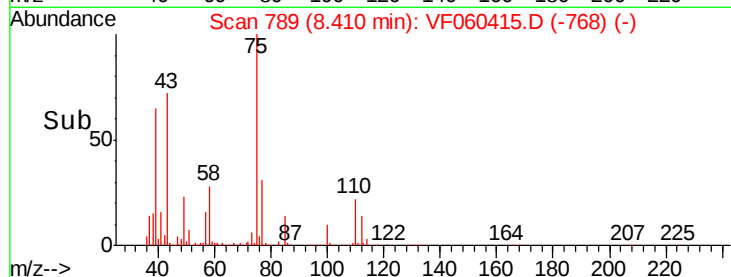
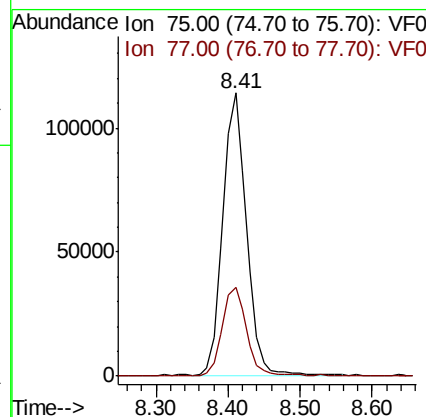
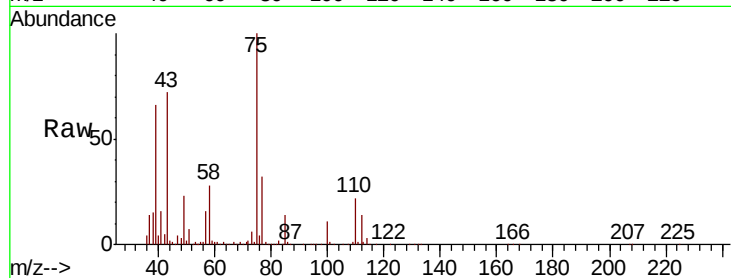
VSTDCCC050EC

Tot Ion: 75 Resp: 257601

Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 49.721 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

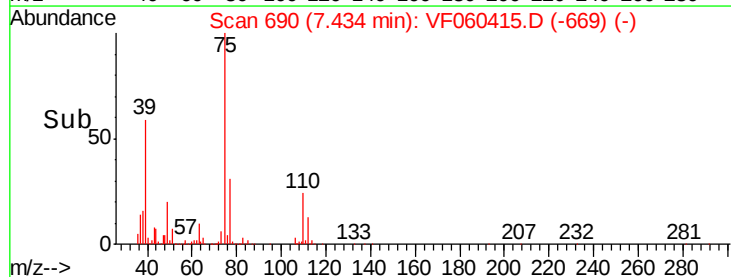
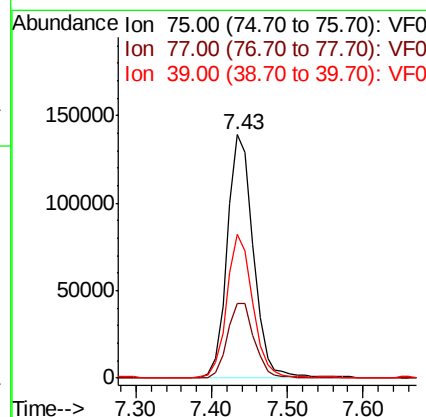
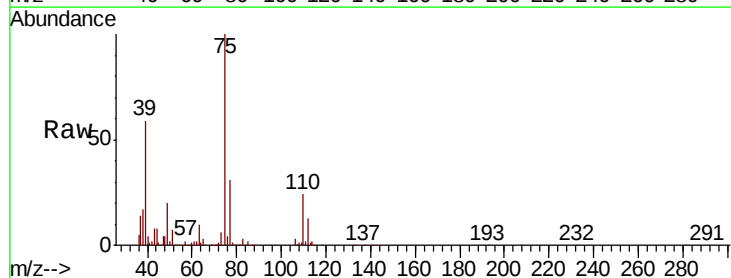
Tgt Ion: 75 Resp: 333164

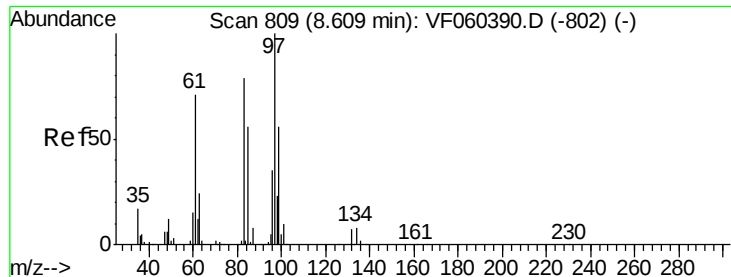
Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

39 59.2 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 49.179 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 146068

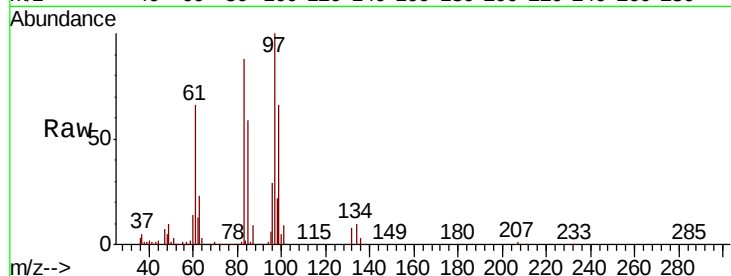
Ion Ratio Lower Upper

97 100

83 88.2 63.4 95.0

85 59.0 44.5 66.7

99 65.6 45.1 67.7

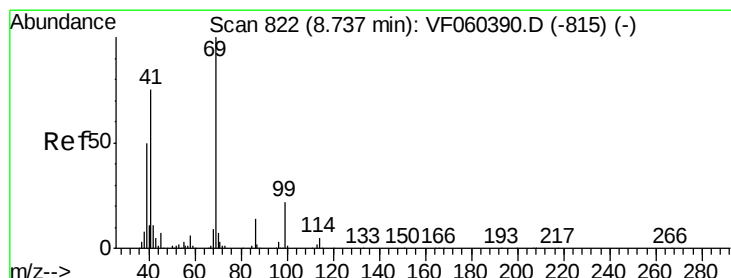
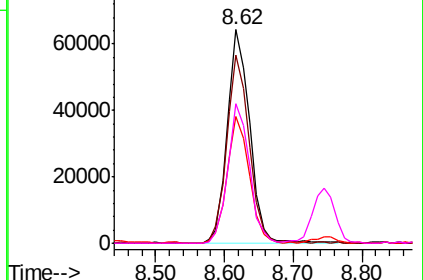
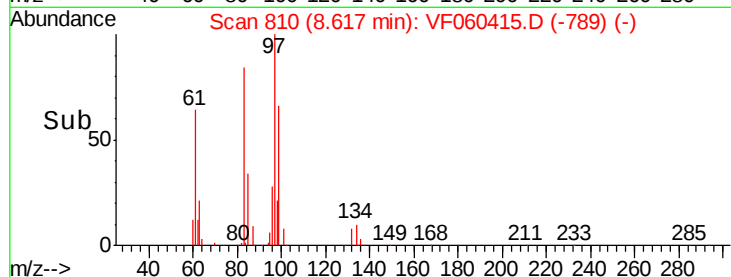


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 56.853 ug/l

RT: 8.75 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

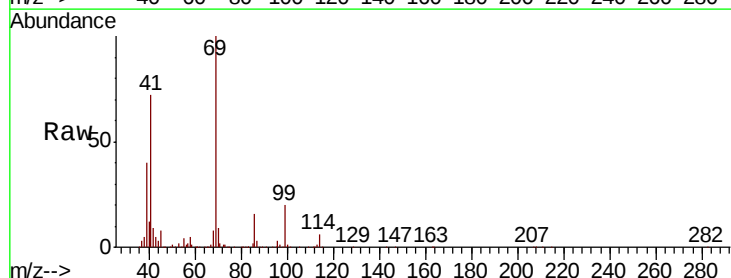
Tgt Ion: 69 Resp: 191881

Ion Ratio Lower Upper

69 100

41 71.5 60.2 90.4

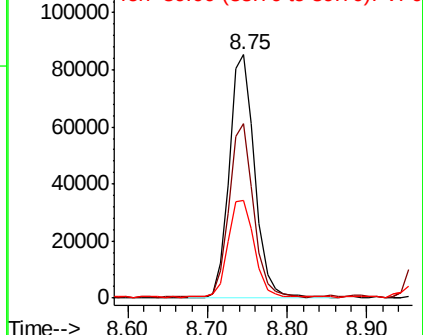
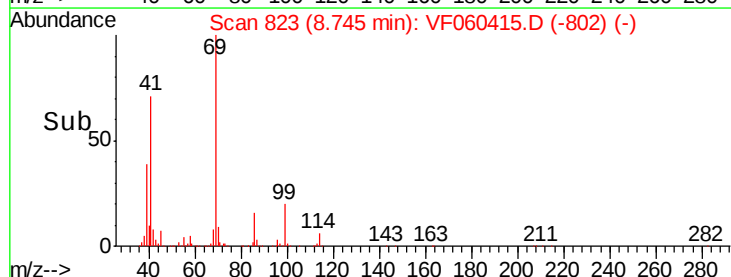
39 39.9 40.2 60.2#

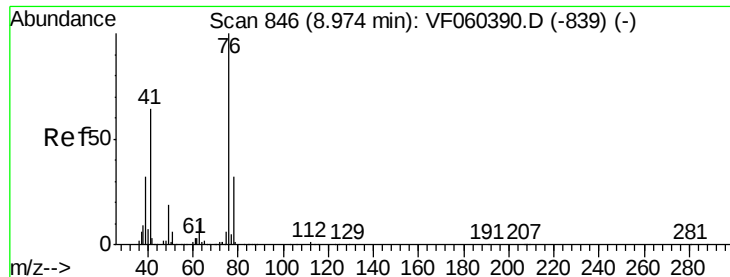


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 50.084 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

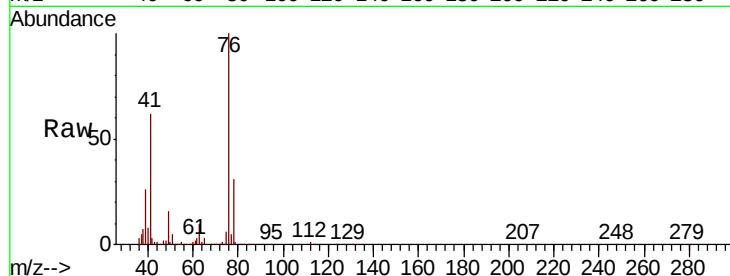
VSTDCCC050EC

Tot Ion: 76 Resp: 251660

Ion Ratio Lower Upper

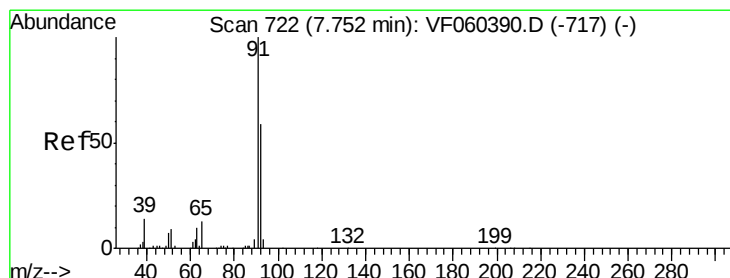
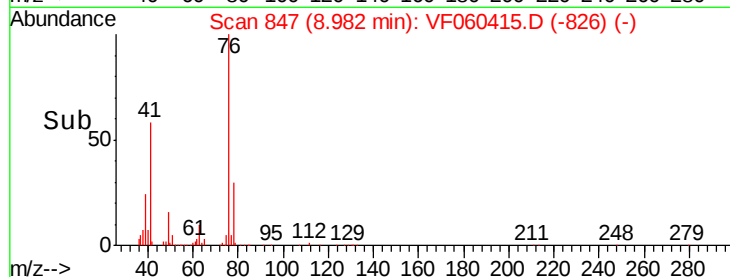
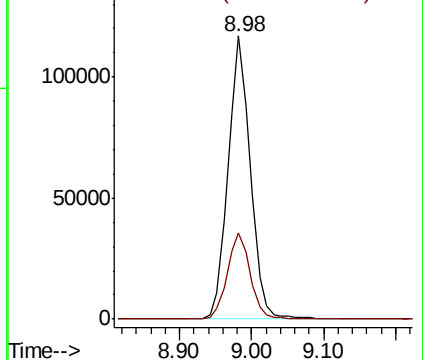
76 100

78 30.6 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 225.966 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060415.D

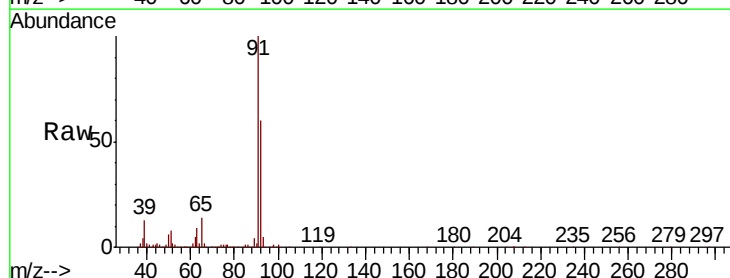
Acq: 2 Oct 2018 21:42

Tgt Ion: 63 Resp: 77901

Ion Ratio Lower Upper

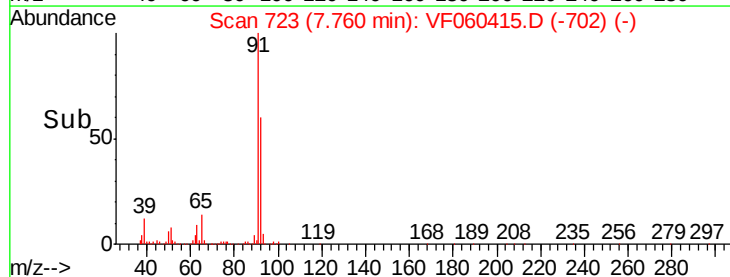
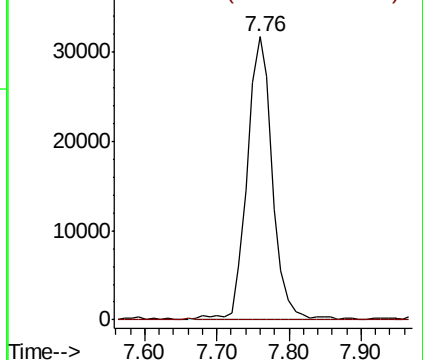
63 100

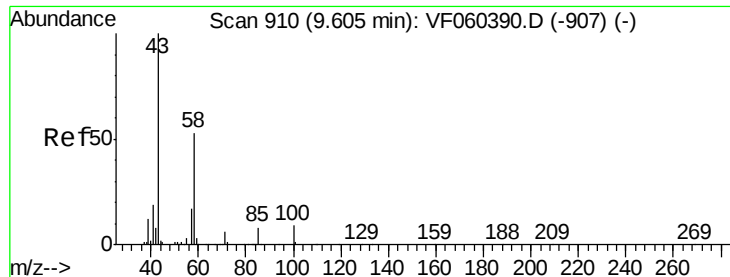
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

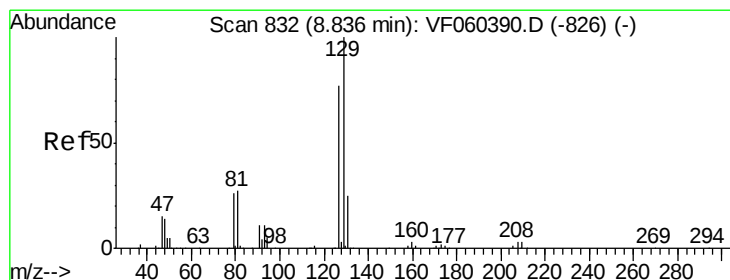
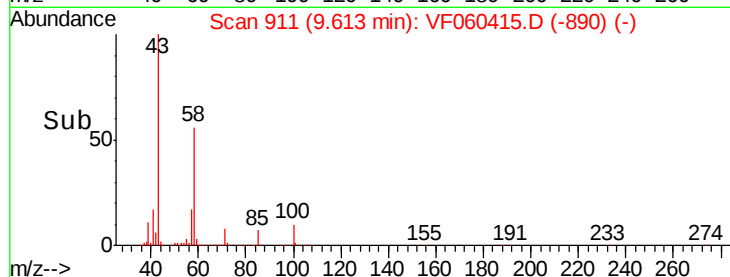
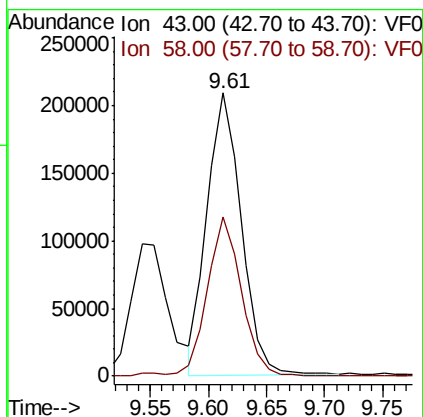
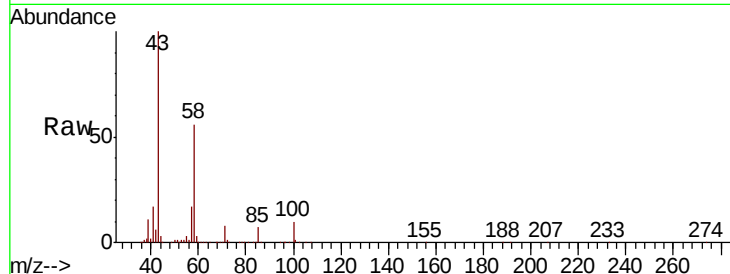




#59
2-Hexanone
Concen: 253.673 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

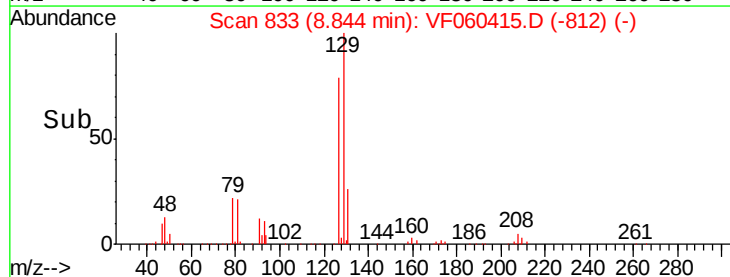
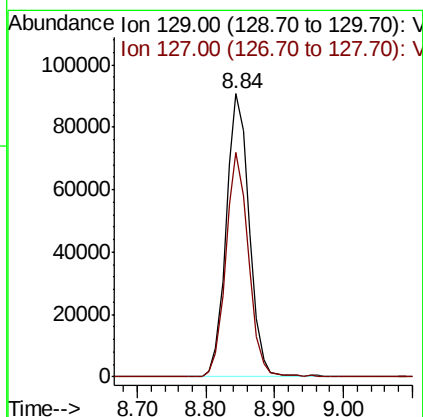
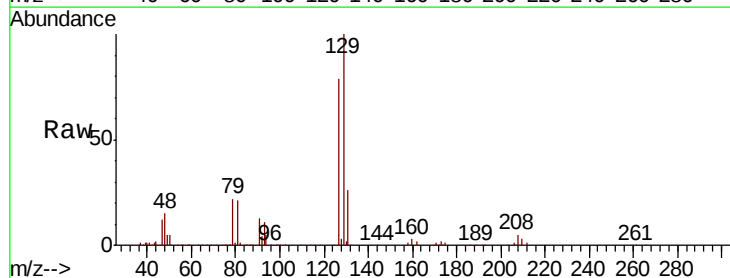
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

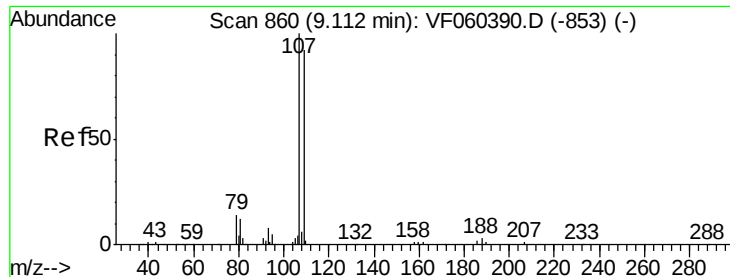
Tot Ion: 43 Resp: 425956
Ion Ratio Lower Upper
43 100
58 56.3 25.6 76.6



#60
Dibromochloromethane
Concen: 46.973 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion: 129 Resp: 210065
Ion Ratio Lower Upper
129 100
127 79.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 50.152 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

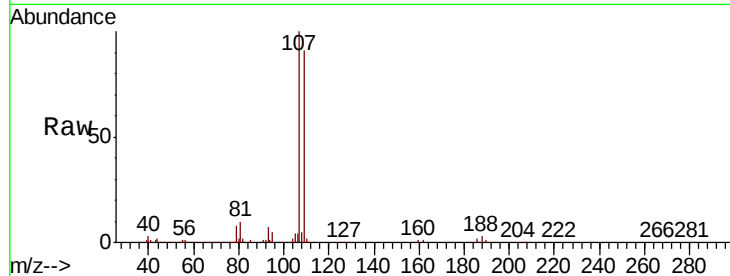
VSTDCCC050EC

Tot Ion:107 Resp: 162994

Ion Ratio Lower Upper

107 100

109 91.1 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

80000

60000

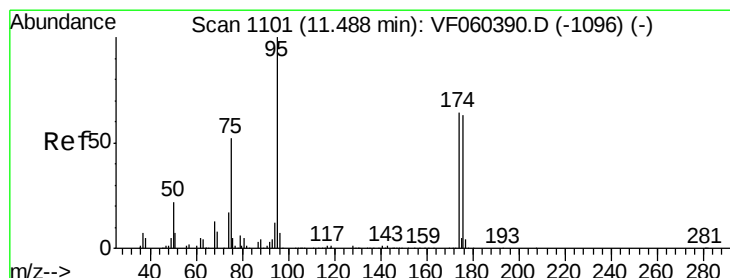
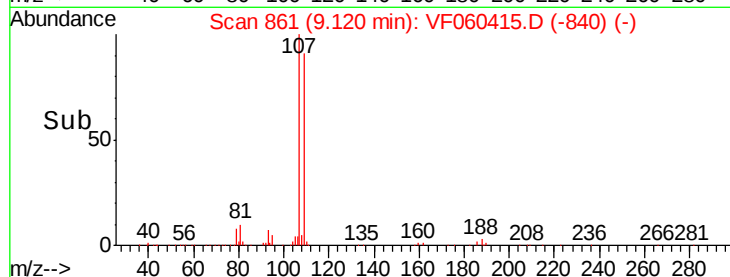
40000

20000

0

9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 45.529 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

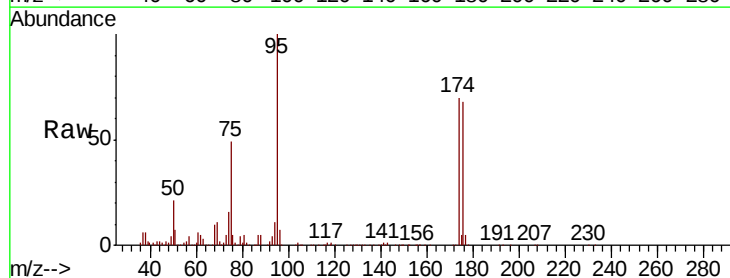
Tgt Ion: 95 Resp: 271095

Ion Ratio Lower Upper

95 100

174 69.7 0.0 129.0

176 67.5 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

200000

150000

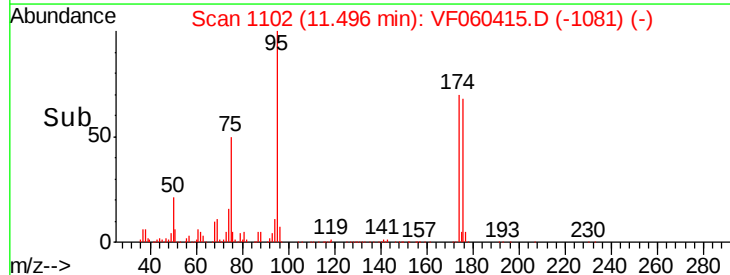
100000

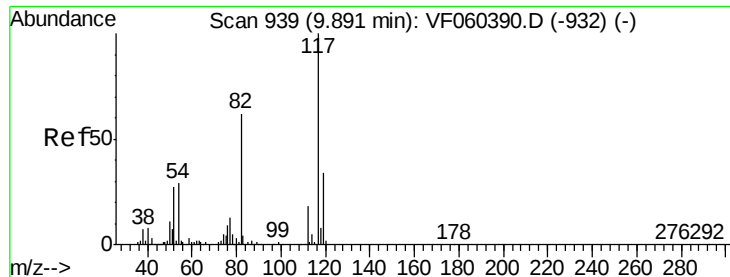
50000

0

11.40 11.50 11.60

Time-->

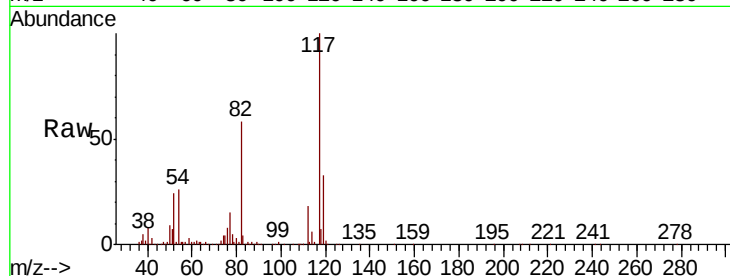




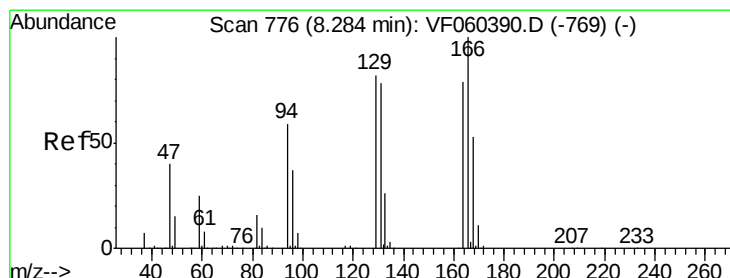
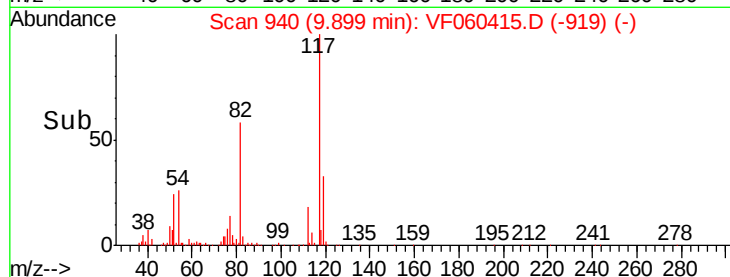
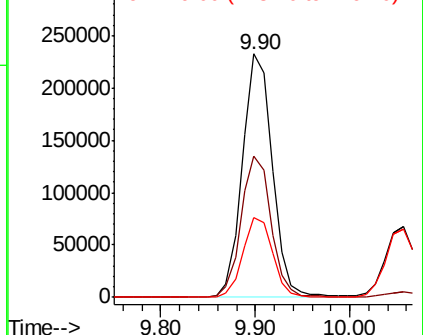
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 511120
Ion Ratio Lower Upper
117 100
82 58.3 49.5 74.3
119 32.7 27.0 40.6

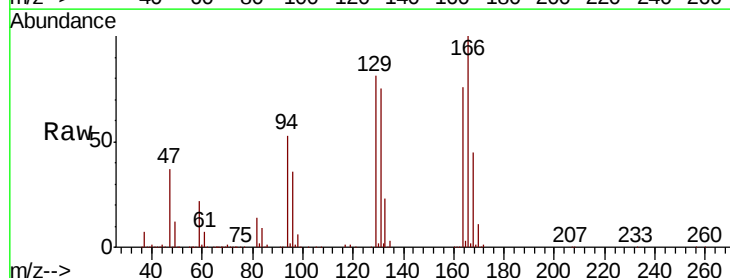


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

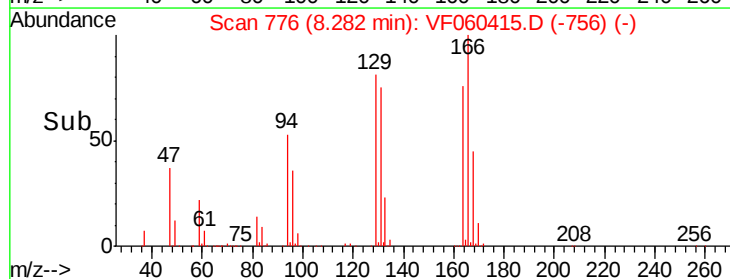
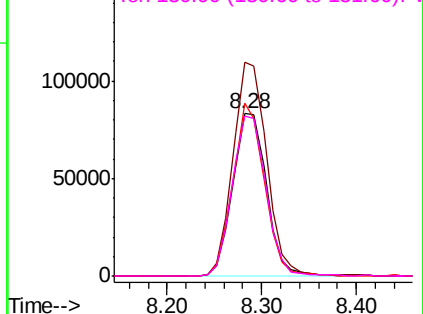


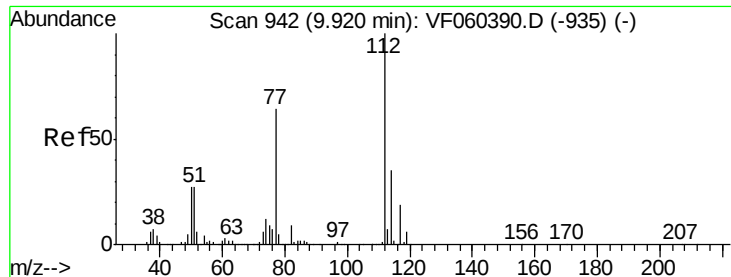
#64
Tetrachloroethene
Concen: 50.558 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion:164 Resp: 205423
Ion Ratio Lower Upper
164 100
166 131.6 101.0 151.6
129 106.8 82.5 123.7
131 98.4 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

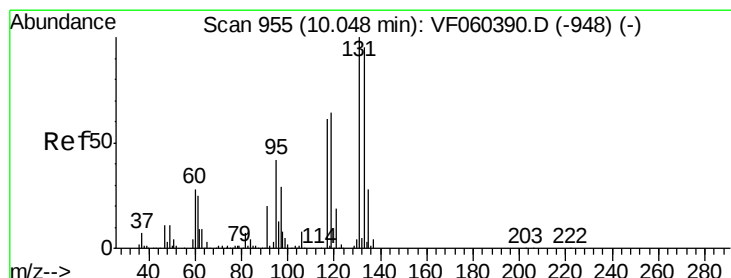
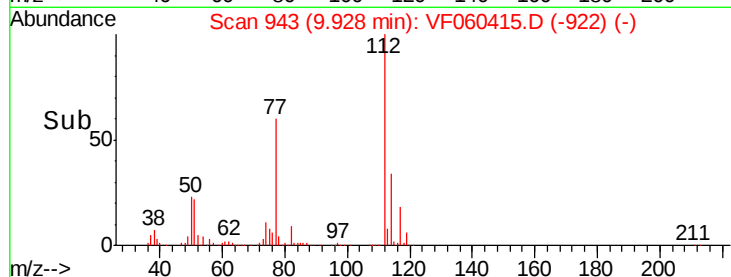
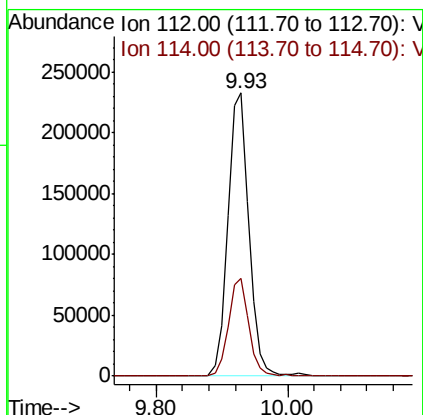
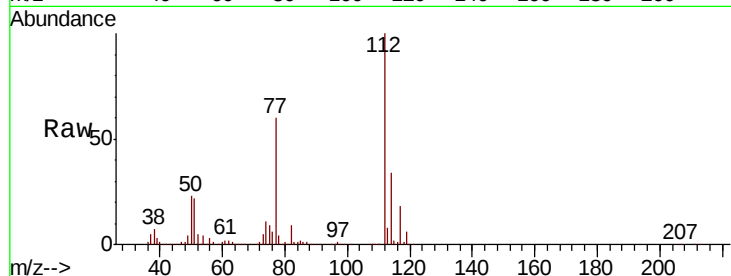




#65
Chlorobenzene
Concen: 49.681 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

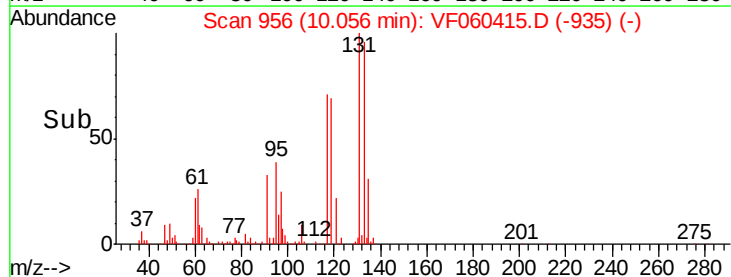
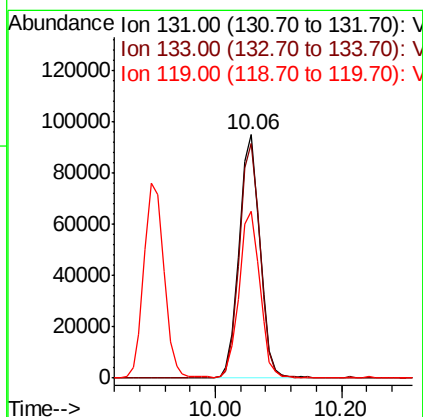
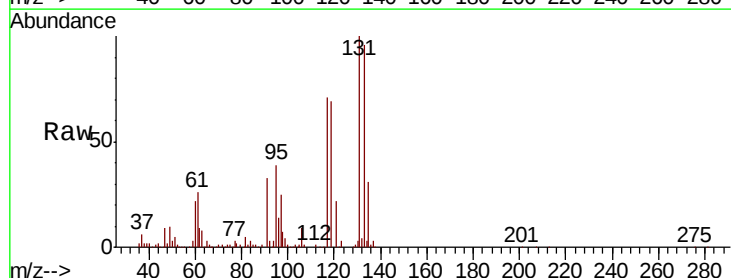
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

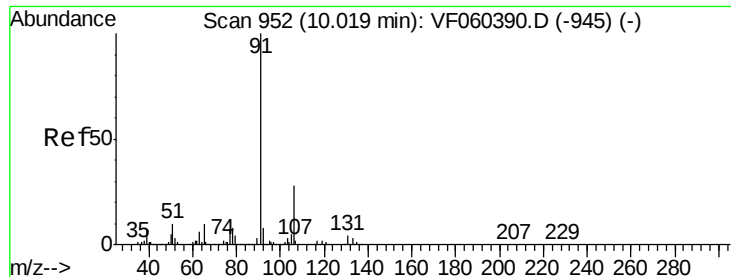
Tot Ion:112 Resp: 521625
Ion Ratio Lower Upper
112 100
114 34.5 27.7 41.5



#66
1,1,1,2-Tetrachloroethane
Concen: 46.875 ug/l
RT: 10.06 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion:131 Resp: 214893
Ion Ratio Lower Upper
131 100
133 96.2 47.3 141.8
119 68.6 32.3 96.9

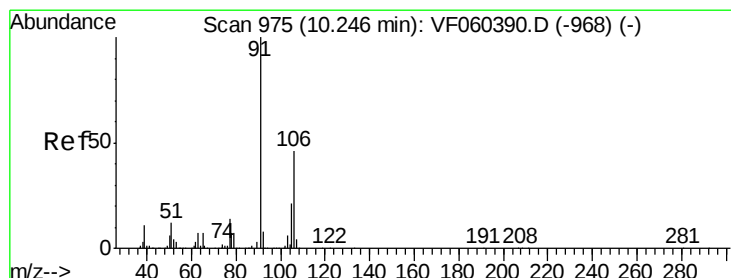
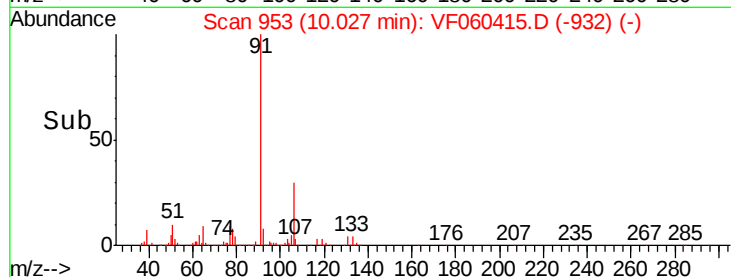
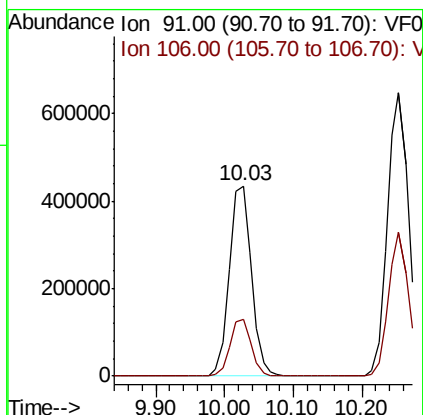
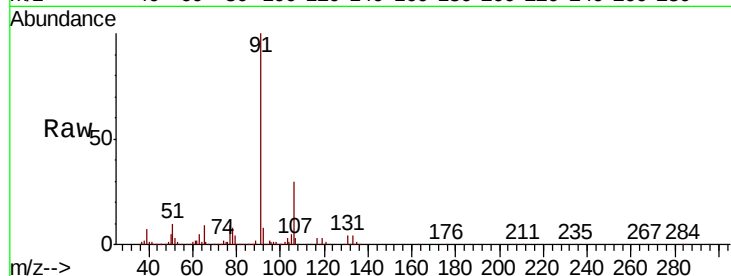




#67
Ethyl Benzene
Concen: 48.714 ug/l
RT: 10.03 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

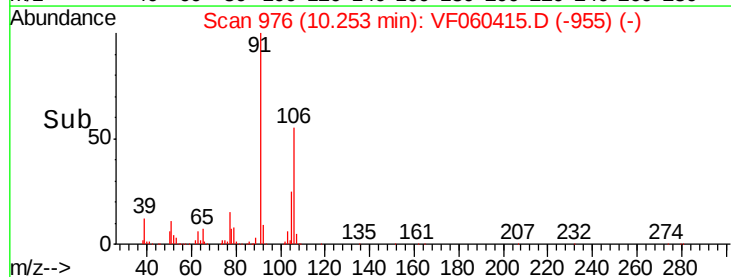
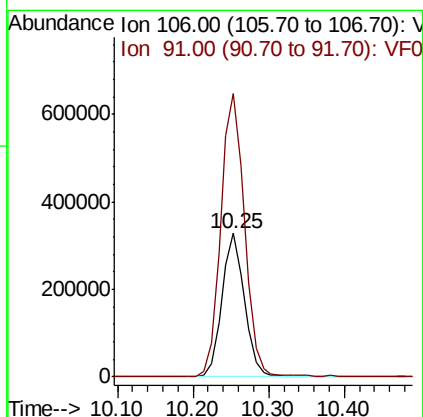
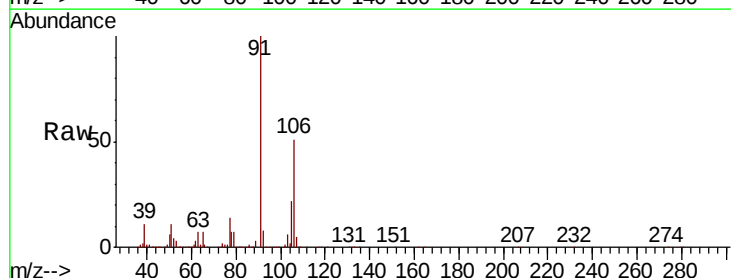
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

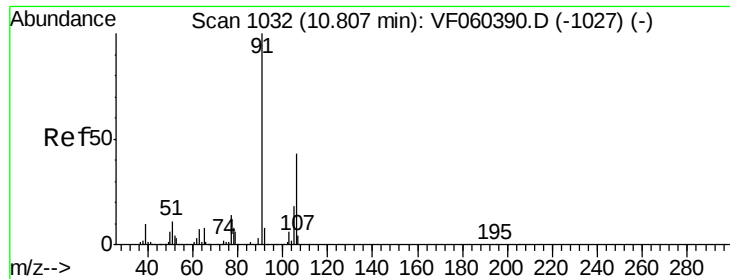
Tot Ion: 91 Resp: 972493
Ion Ratio Lower Upper
91 100
106 29.6 22.5 33.7



#68
m/p-Xylenes
Concen: 98.338 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion: 106 Resp: 674865
Ion Ratio Lower Upper
106 100
91 196.9 175.0 262.6

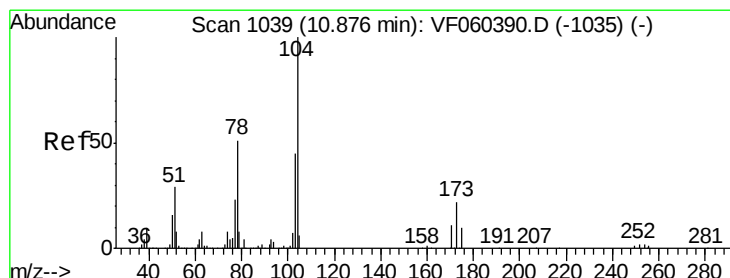
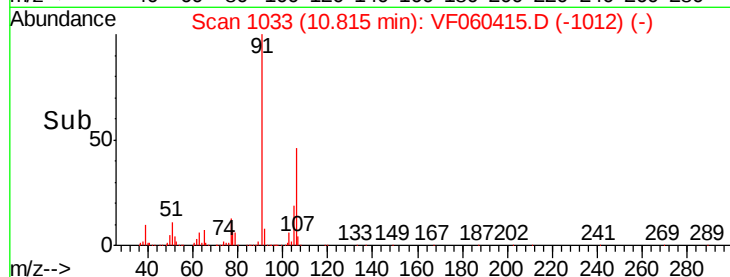
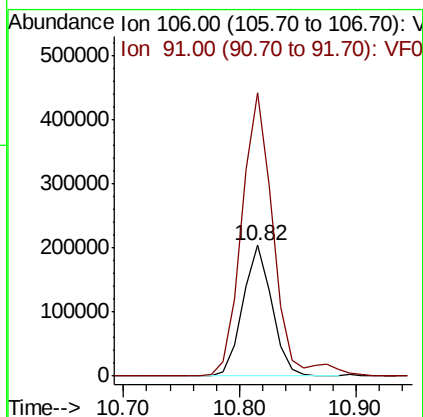
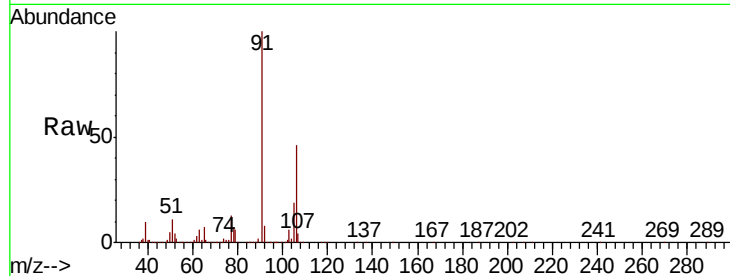




#69
o-Xylene
Concen: 47.533 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

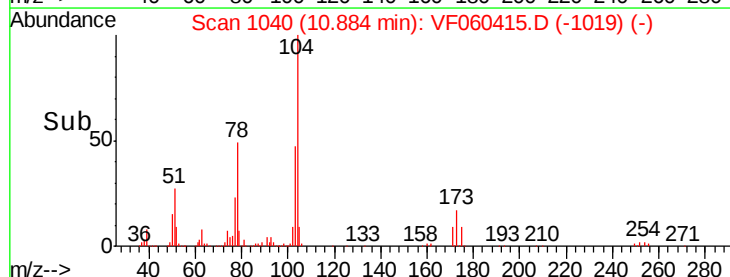
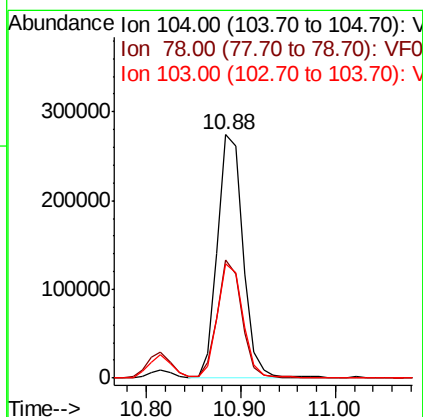
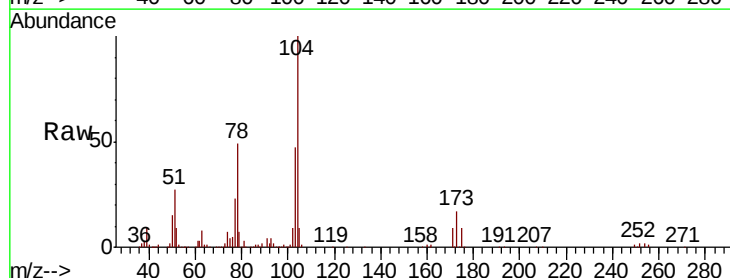
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

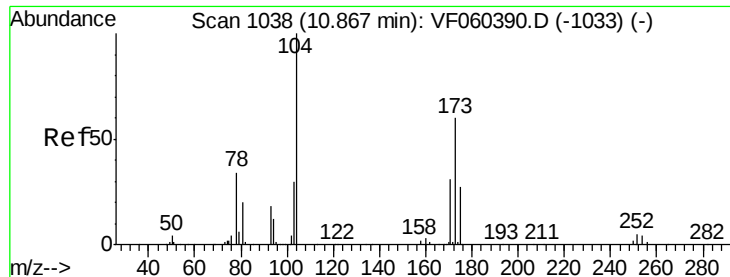
Tot Ion:106 Resp: 355568
Ion Ratio Lower Upper
106 100
91 216.3 115.1 345.2



#70
Styrene
Concen: 48.384 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion:104 Resp: 514821
Ion Ratio Lower Upper
104 100
78 48.6 41.0 61.4
103 46.9 36.4 54.6

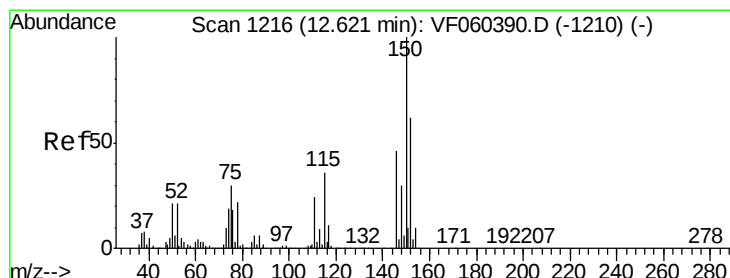
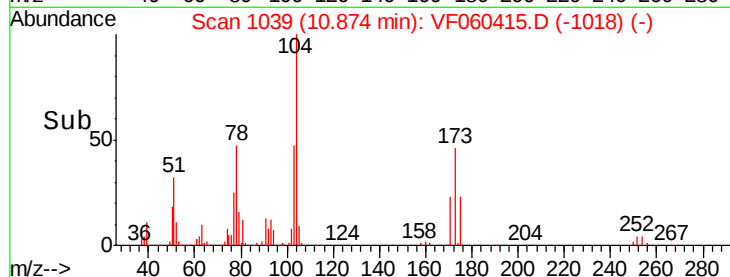
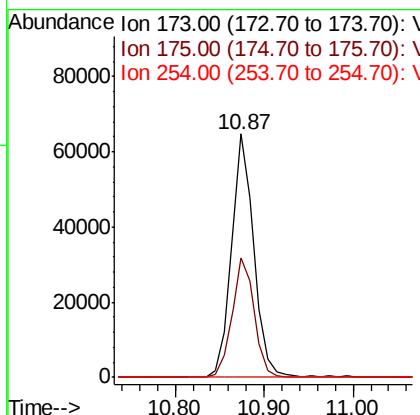
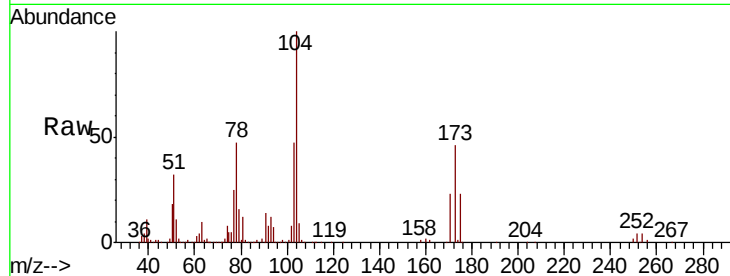




#71
Bromoform
Concen: 46.960 ug/l
RT: 10.87 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

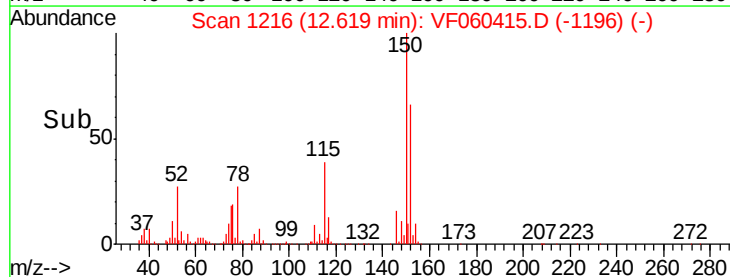
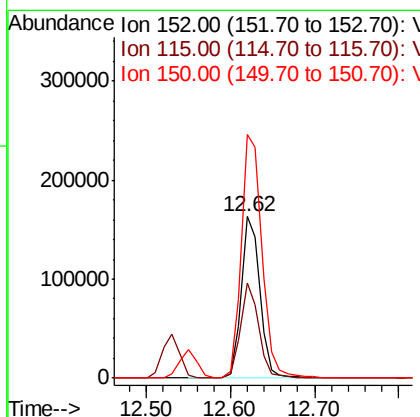
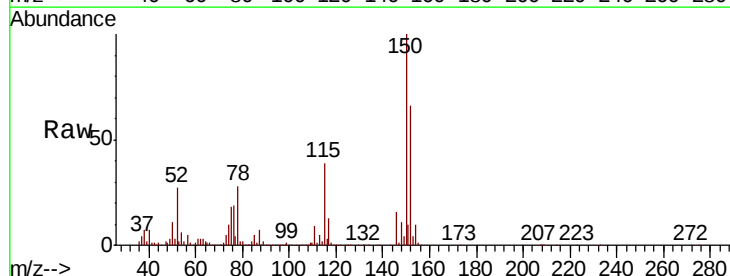
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

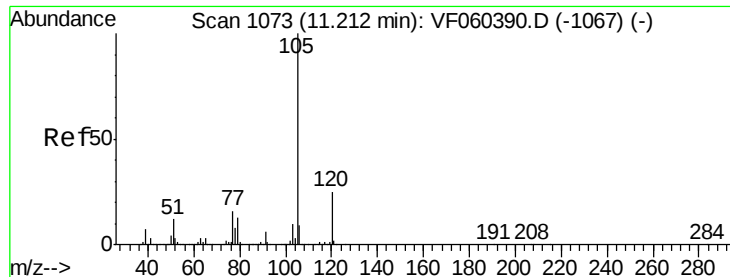
Tot Ion:173 Resp: 114619
Ion Ratio Lower Upper
173 100
175 49.2 22.1 66.1
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion:152 Resp: 251787
Ion Ratio Lower Upper
152 100
115 59.2 28.6 85.8
150 151.1 0.0 324.6

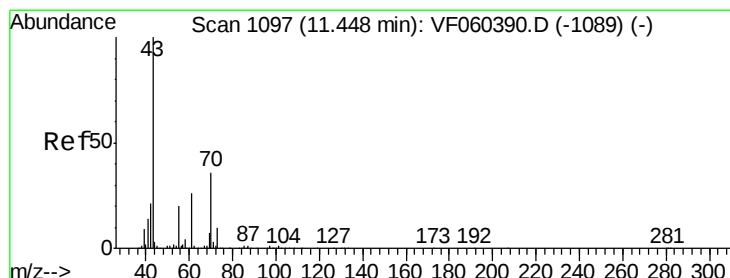
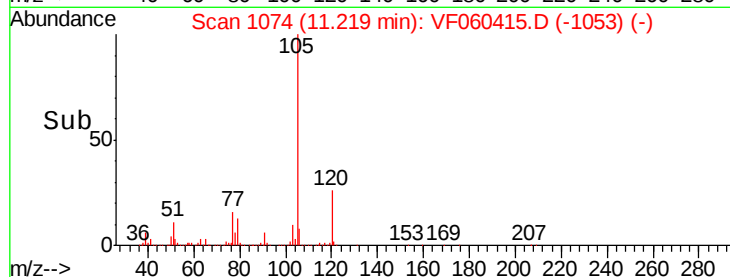
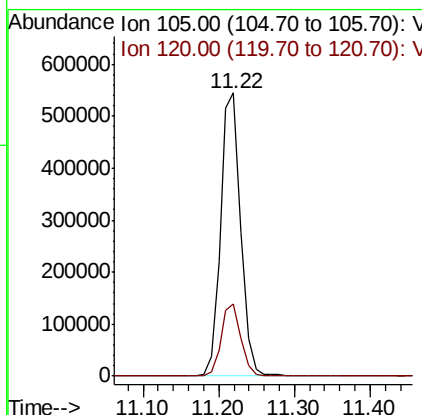
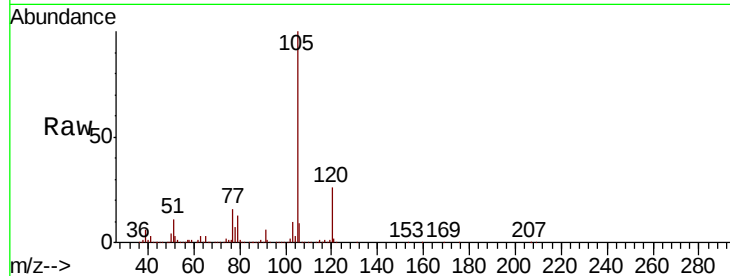




#73
Isopropylbenzene
Concen: 50.678 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

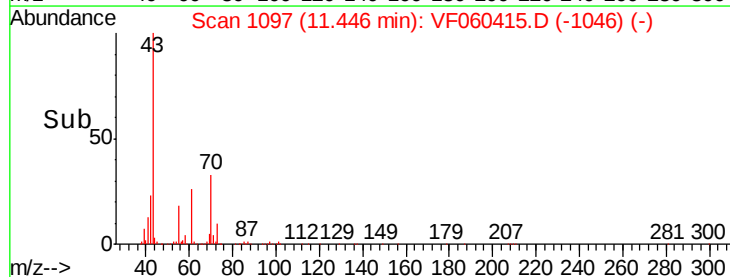
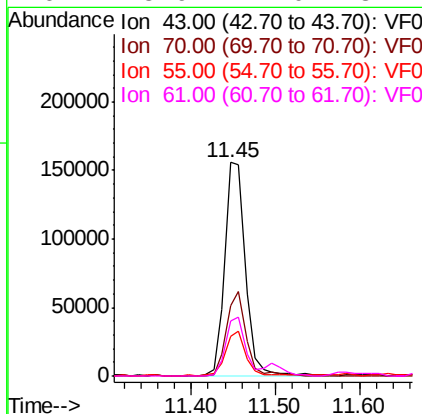
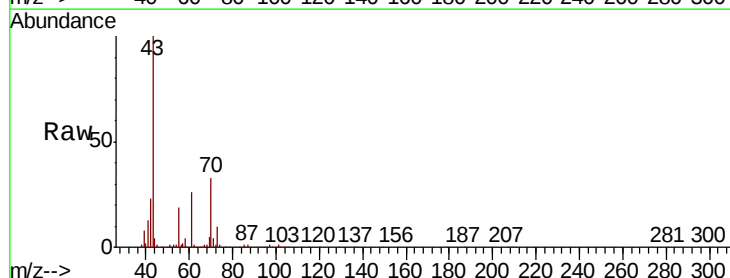
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

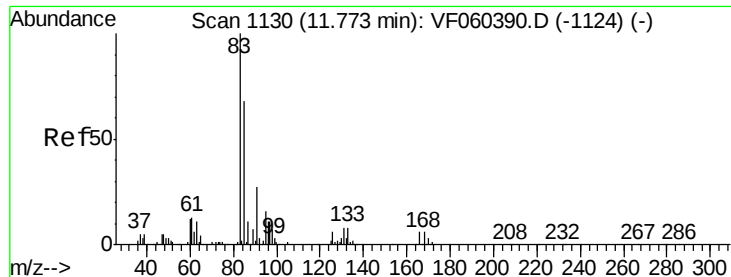
Tot Ion:105 Resp: 1004698
Ion Ratio Lower Upper
105 100
120 25.6 12.3 36.9



#74
N-ethyl acetate
Concen: 58.517 ug/l
RT: 11.45 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion: 43 Resp: 266252
Ion Ratio Lower Upper
43 100
70 32.8 29.1 43.7
55 18.5 16.3 24.5
61 25.9 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.868 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

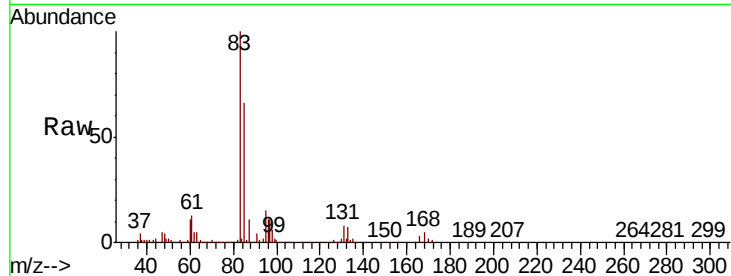
Tot Ion: 83 Resp: 187473

Ion Ratio Lower Upper

83 100

131 8.3 4.0 12.0

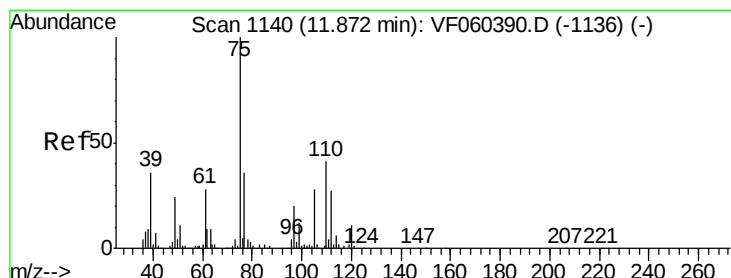
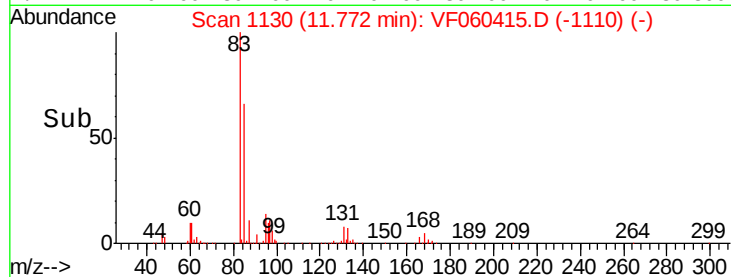
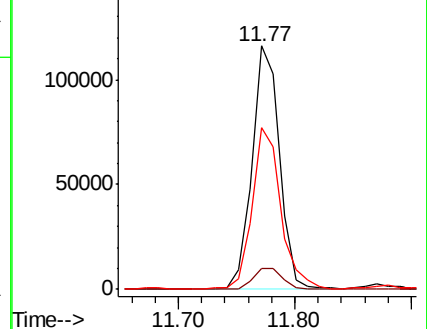
85 66.3 34.0 102.0



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: 47.103 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF060415.D

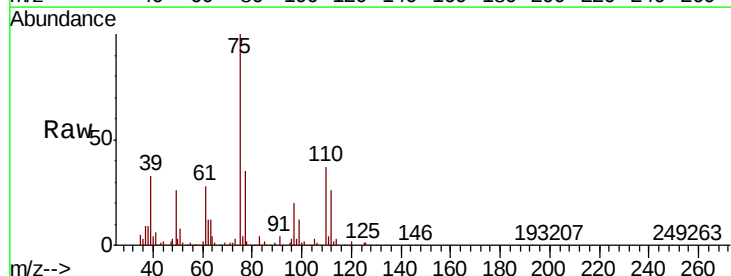
Acq: 2 Oct 2018 21:42

Tgt Ion: 75 Resp: 125336

Ion Ratio Lower Upper

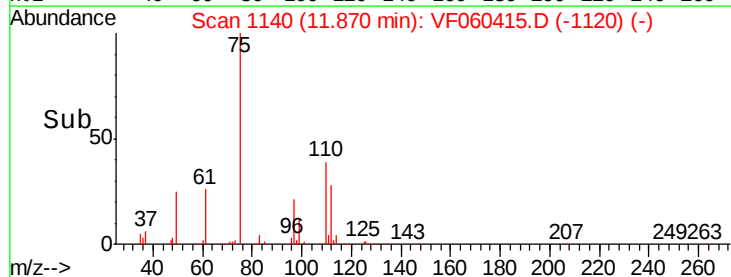
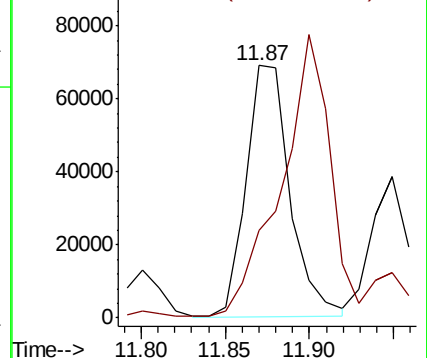
75 100

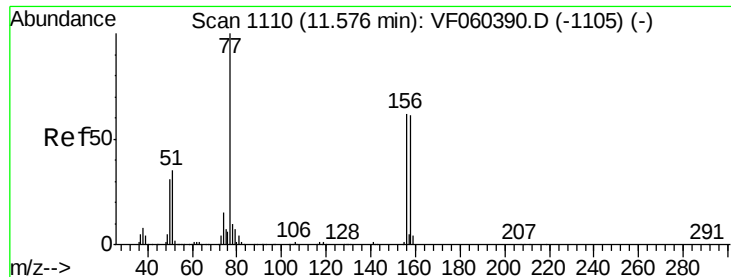
77 34.8 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 50.897 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

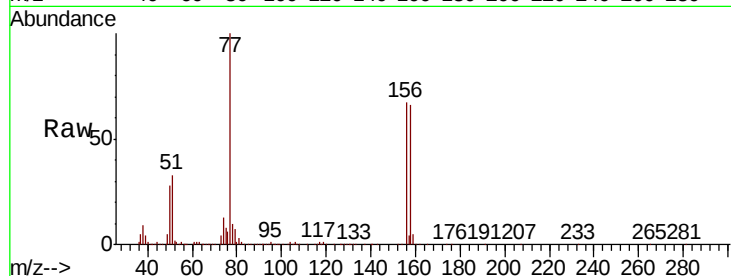
Tot Ion:156 Resp: 225556

Ion Ratio Lower Upper

156 100

77 149.6 81.3 243.9

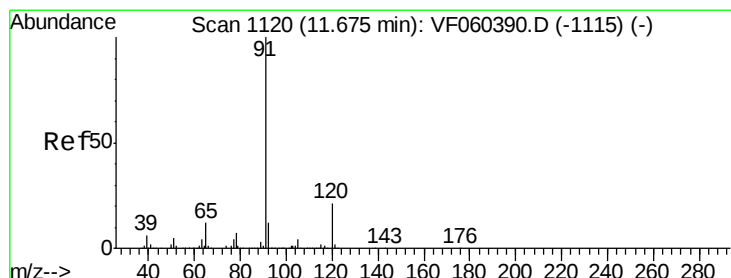
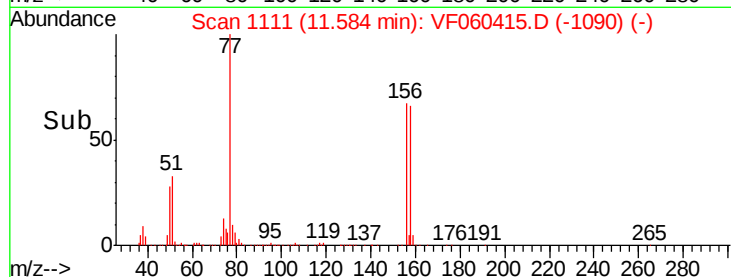
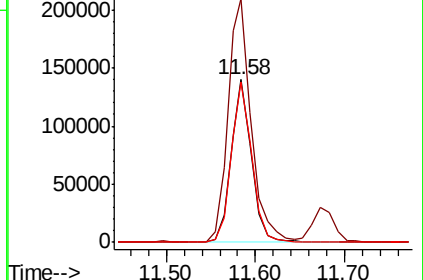
158 98.4 49.6 149.0



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: 49.616 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF060415.D

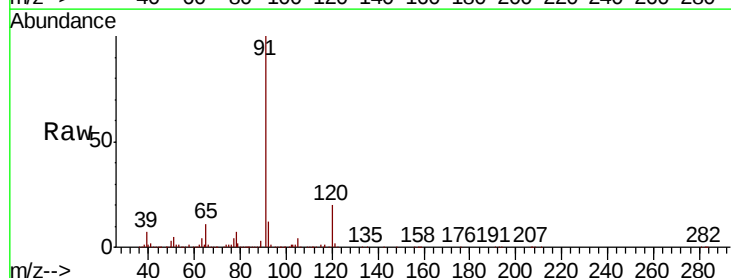
Acq: 2 Oct 2018 21:42

Tgt Ion: 91 Resp: 1192454

Ion Ratio Lower Upper

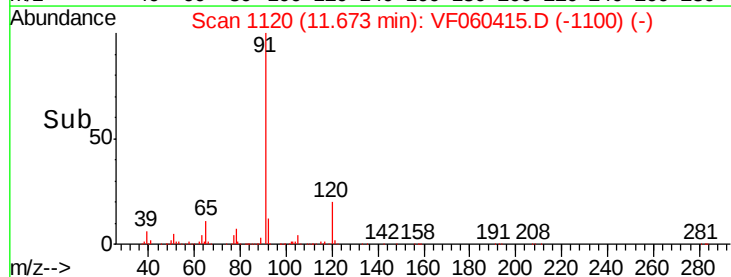
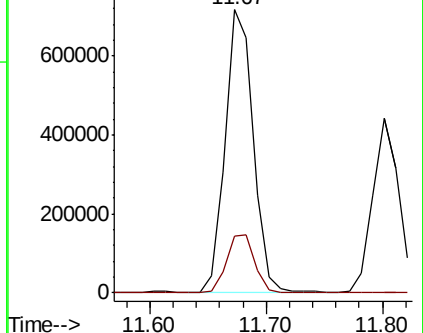
91 100

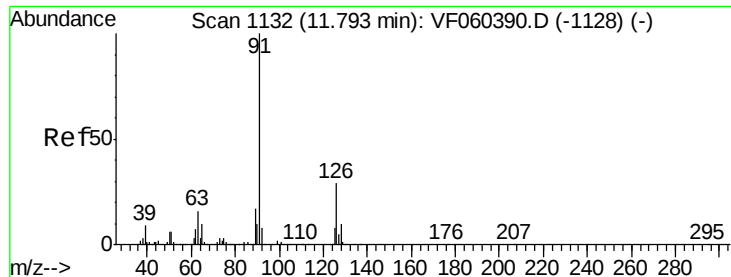
120 20.0 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.567 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

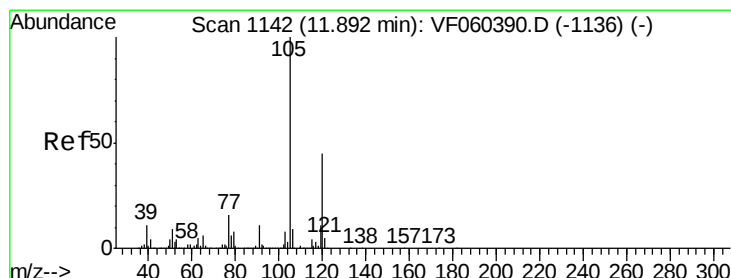
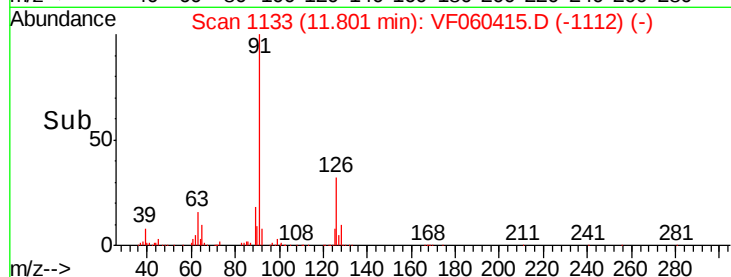
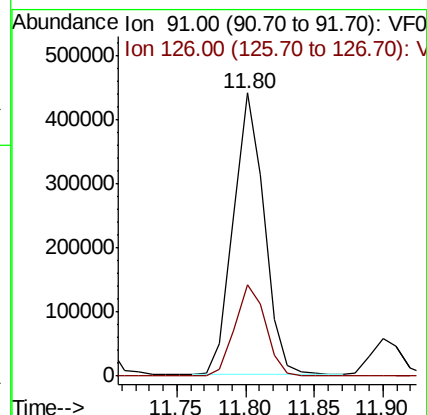
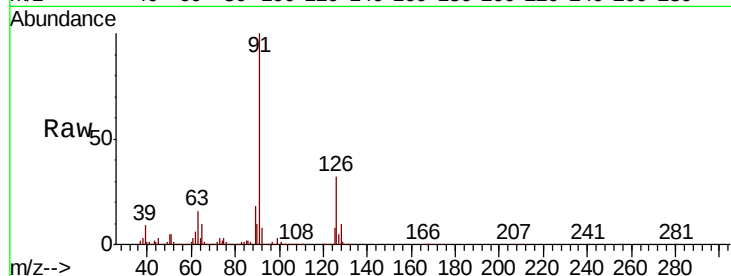
VSTDCCC050EC

Tot Ion: 91 Resp: 682795

Ion Ratio Lower Upper

91 100

126 32.4 14.4 43.4



#80

1,3,5-Trimethylbenzene

Concen: 48.294 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060415.D

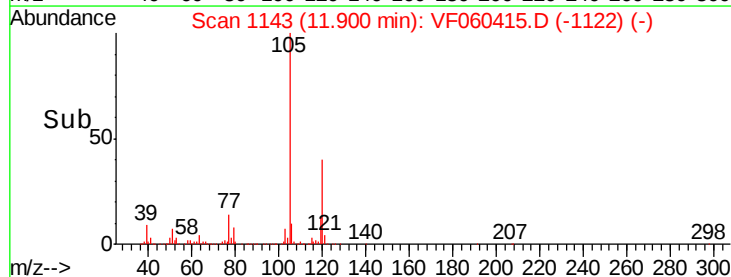
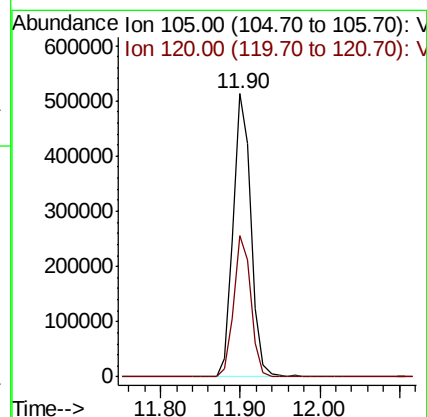
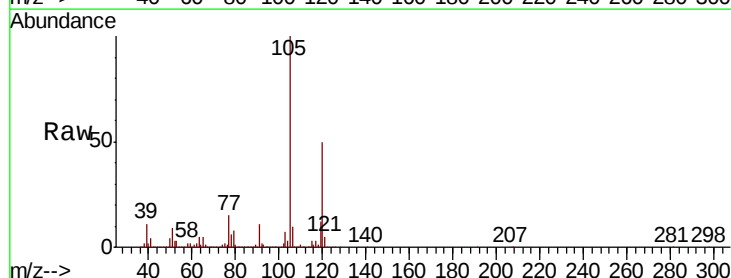
Acq: 2 Oct 2018 21:42

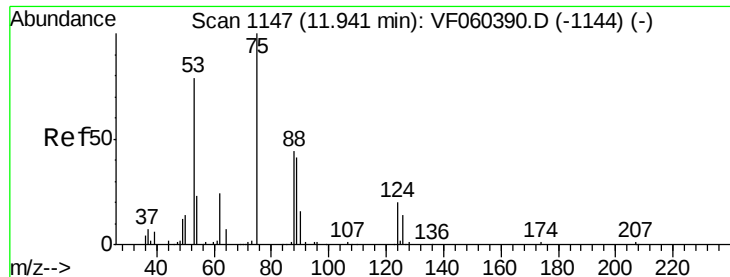
Tgt Ion: 105 Resp: 813442

Ion Ratio Lower Upper

105 100

120 49.8 22.3 66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 68.073 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

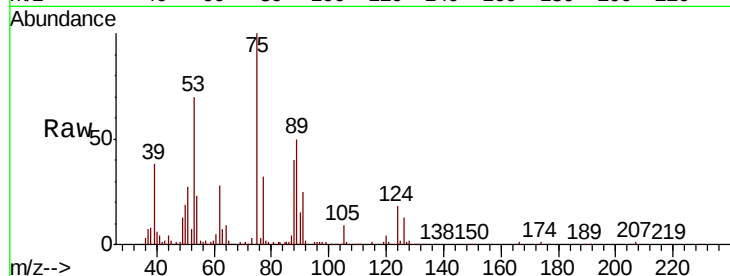
MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 80294

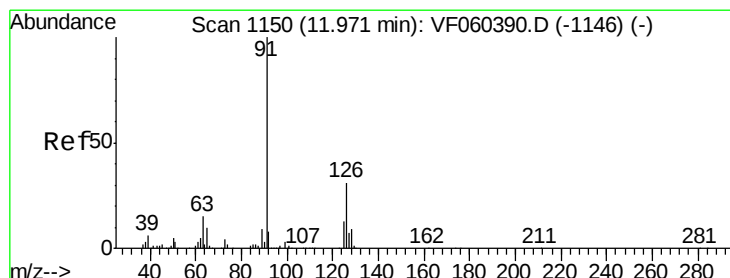
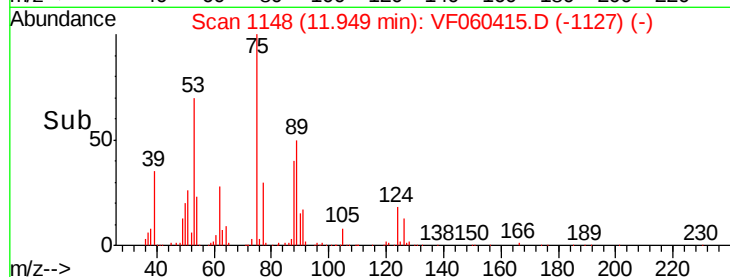
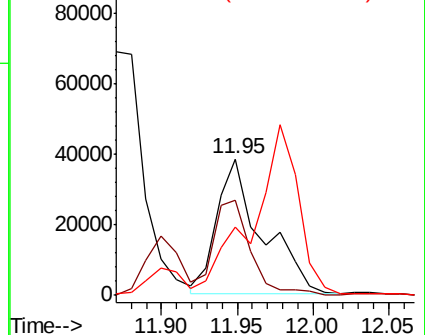
Ion	Ratio	Lower	Upper
75	100		
53	69.6	67.8	101.8
89	50.1	36.7	55.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 49.212 ug/l

RT: 11.98 min Scan# 1151

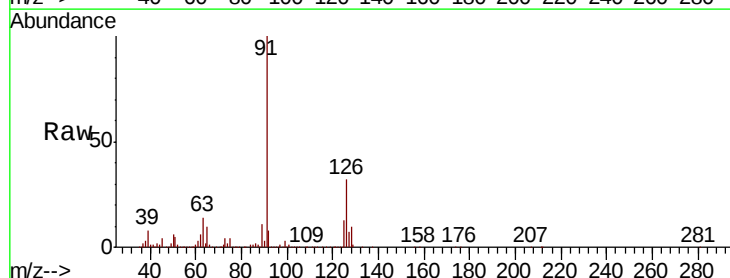
Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

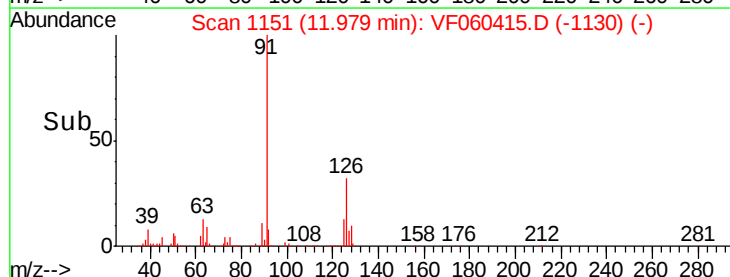
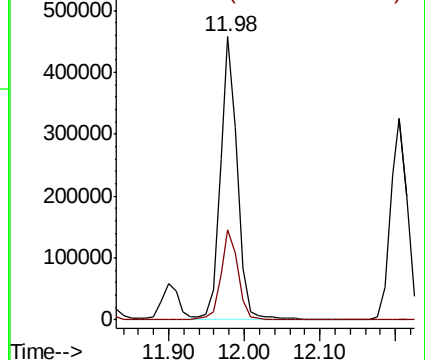
Tgt Ion: 91 Resp: 707901

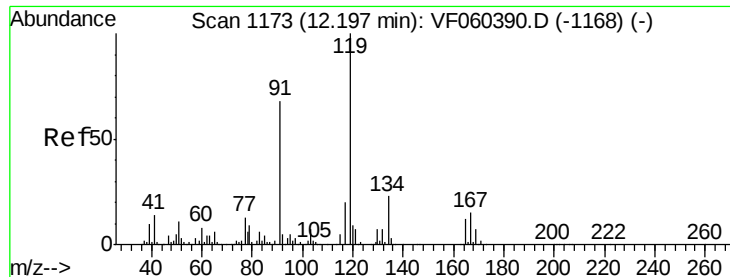
Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

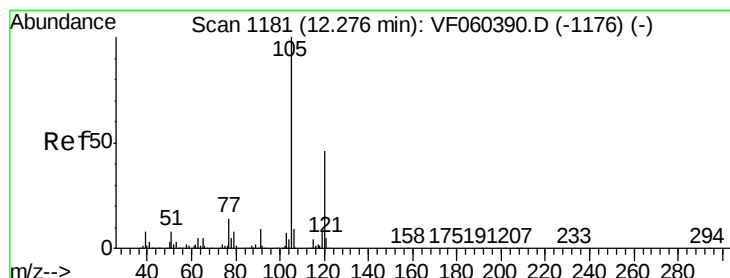
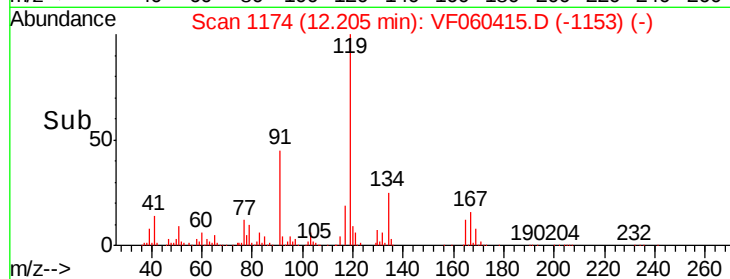
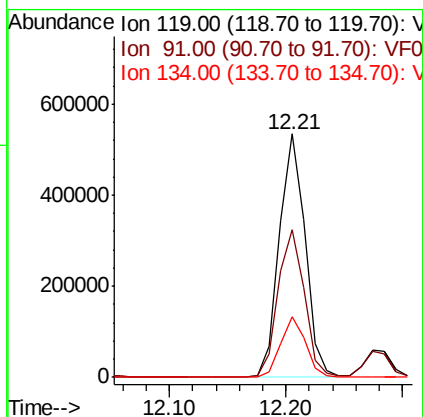
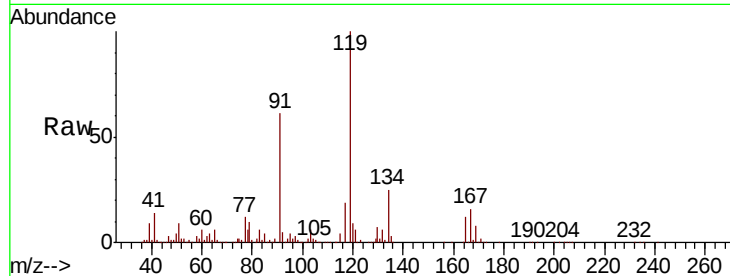




#83
tert-Butylbenzene
Concen: 49.457 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

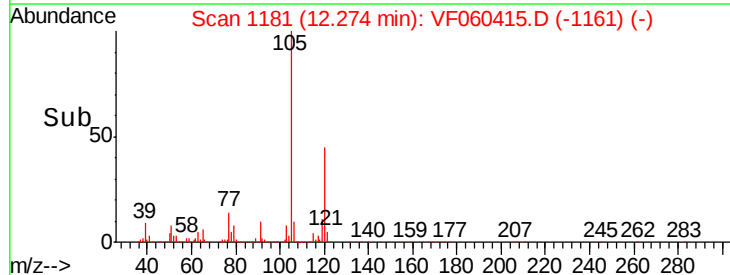
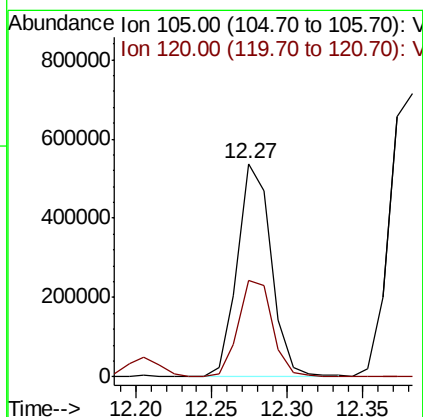
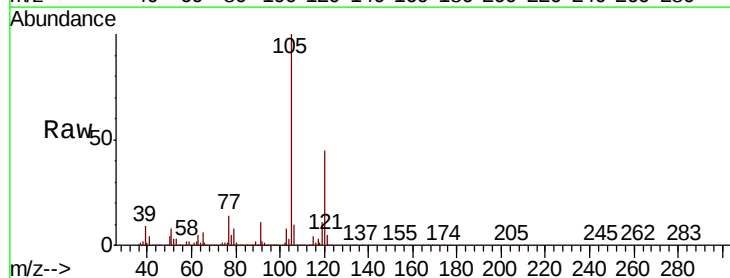
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

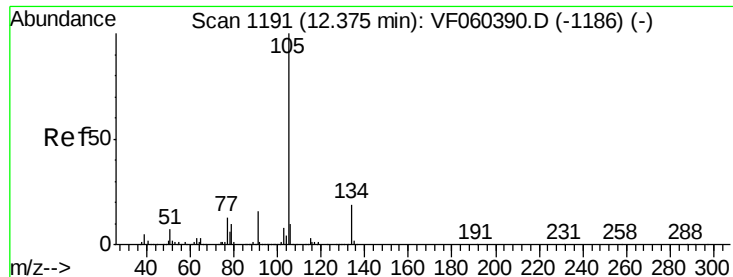
Tot Ion:119 Resp: 821646
Ion Ratio Lower Upper
119 100
91 60.9 34.0 102.0
134 24.6 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 49.831 ug/l
RT: 12.27 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion:105 Resp: 832395
Ion Ratio Lower Upper
105 100
120 45.0 23.1 69.2

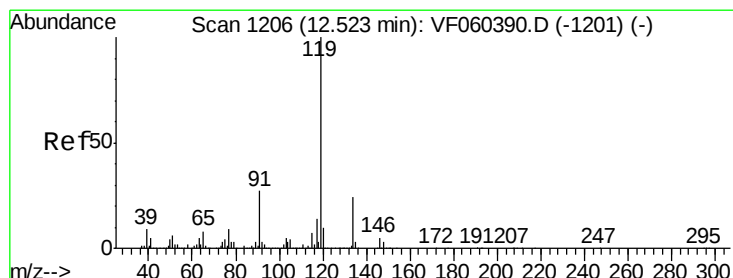
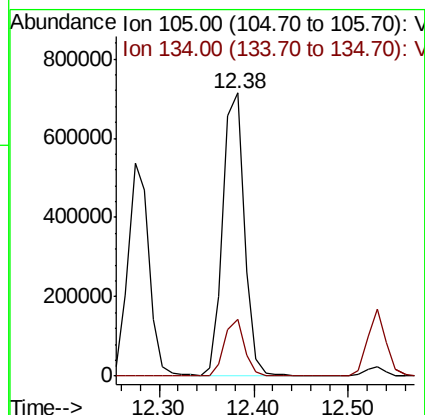
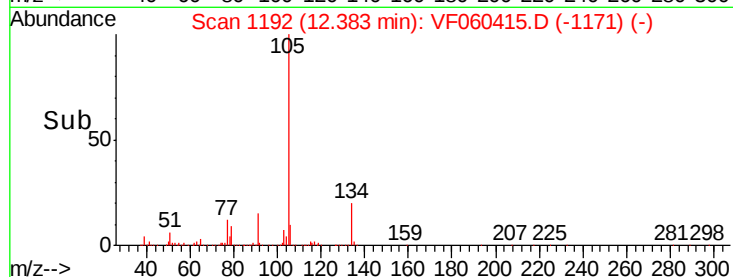
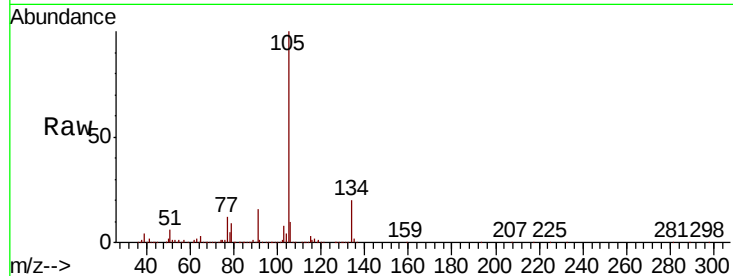




#85
 sec-Butylbenzene
 Concen: 49.388 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

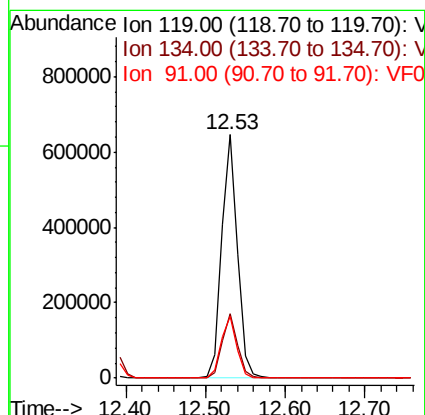
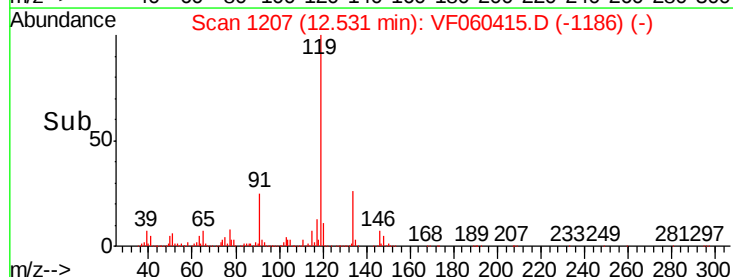
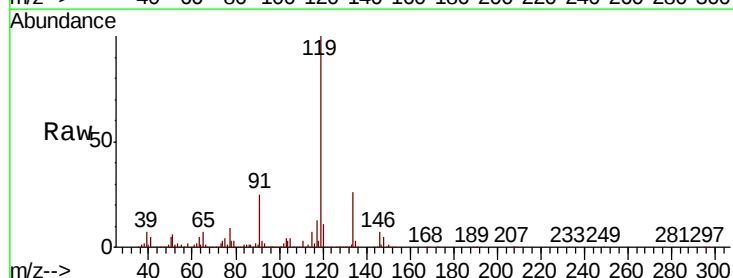
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

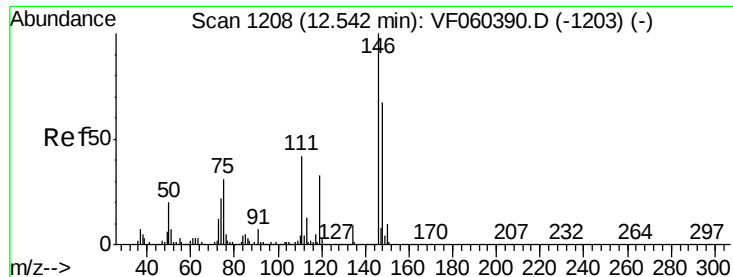
Tot Ion:105 Resp: 1132544
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 48.230 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion:119 Resp: 903564
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.3 36.8
 91 25.4 13.5 40.4

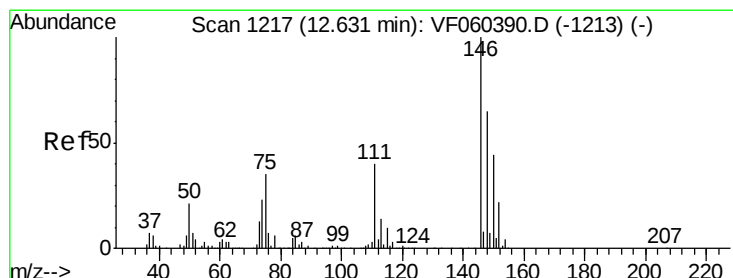
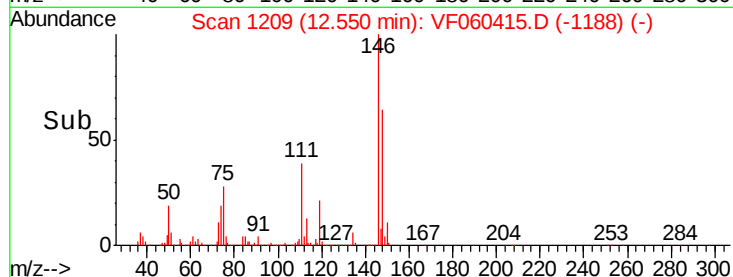
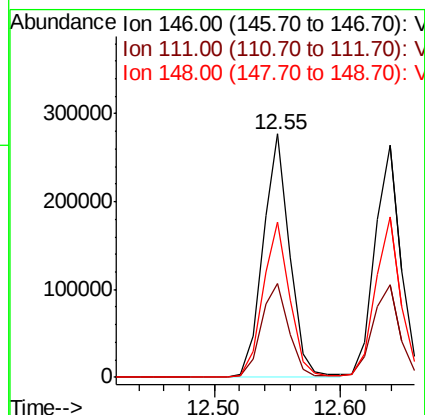
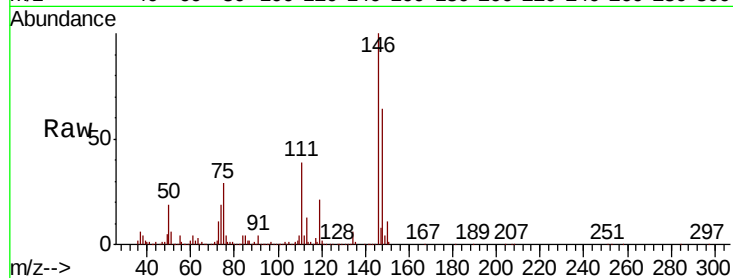




#87
 1,3-Dichlorobenzene
 Concen: 48.780 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

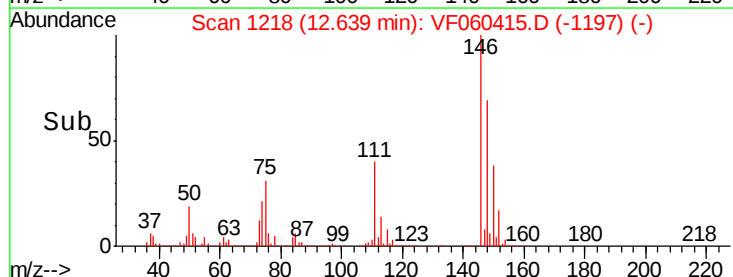
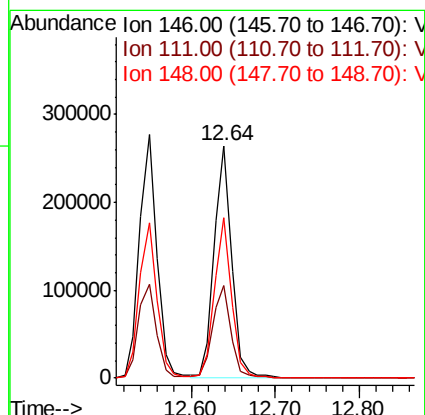
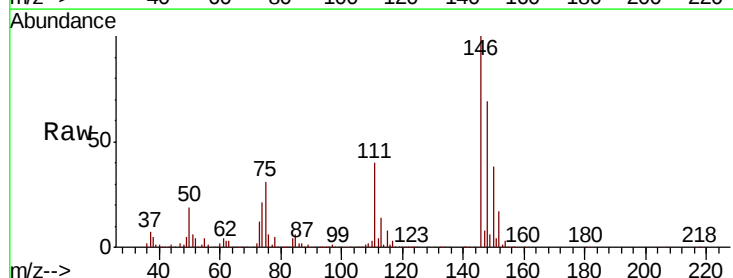
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

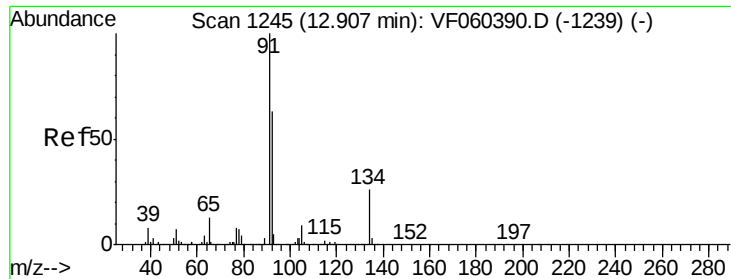
Tot Ion:146 Resp: 406789
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.9 62.7
 148 63.9 33.6 100.8



#88
 1,4-Dichlorobenzene
 Concen: 46.907 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion:146 Resp: 385713
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.2 60.6
 148 69.0 32.6 97.8

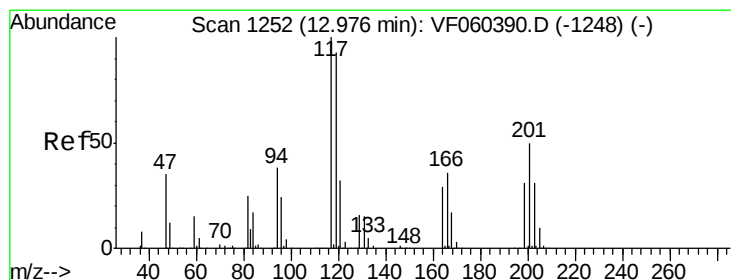
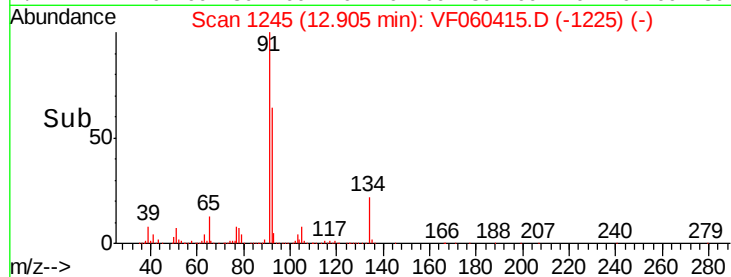
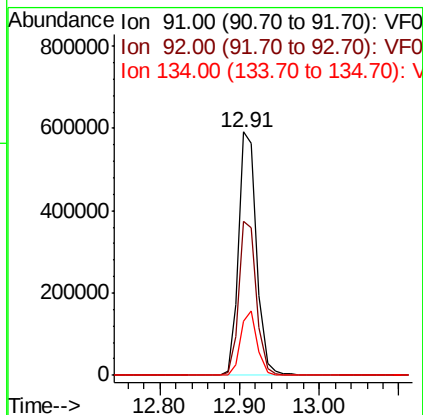
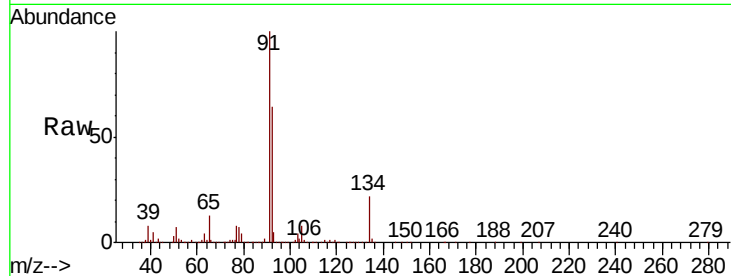




#89
n-Butylbenzene
Concen: 47.163 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

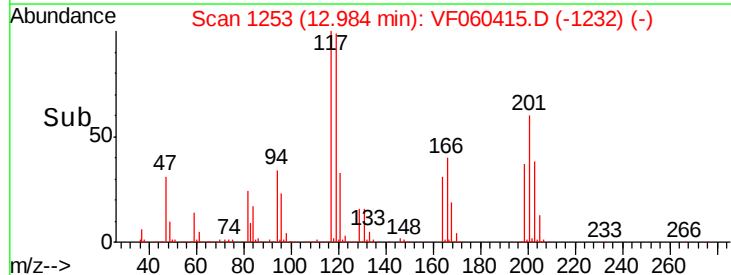
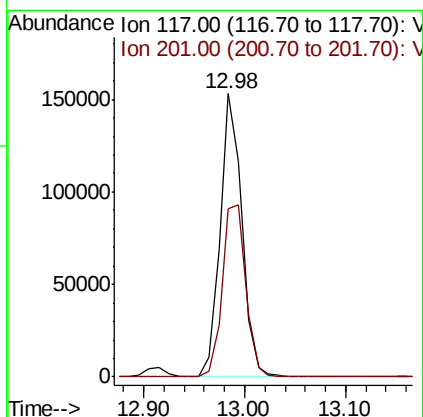
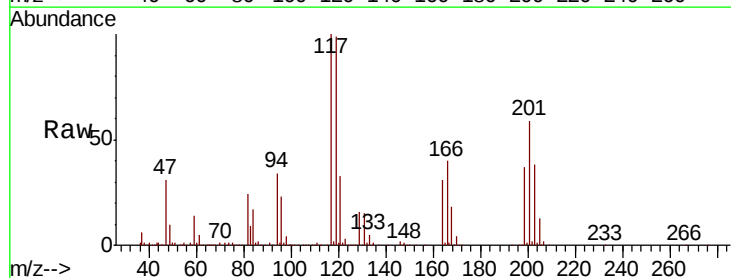
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

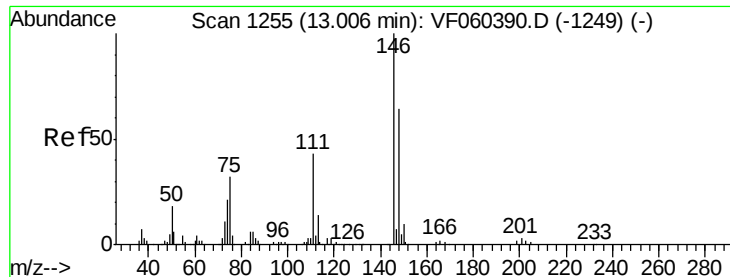
Tot Ion: 91 Resp: 934969
Ion Ratio Lower Upper
91 100
92 63.5 31.3 93.9
134 22.4 13.0 38.9



#90
Hexachloroethane
Concen: 47.461 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion: 117 Resp: 229810
Ion Ratio Lower Upper
117 100
201 59.3 25.5 76.5

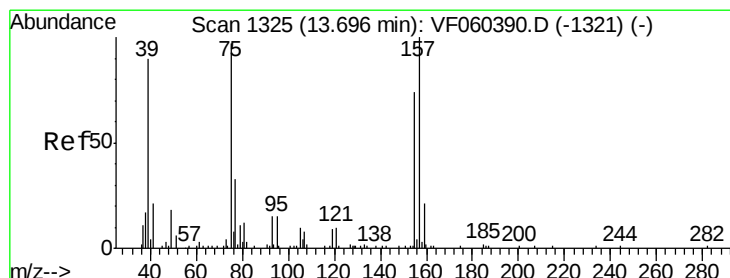
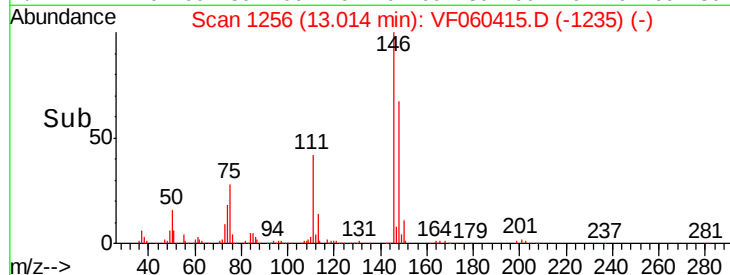
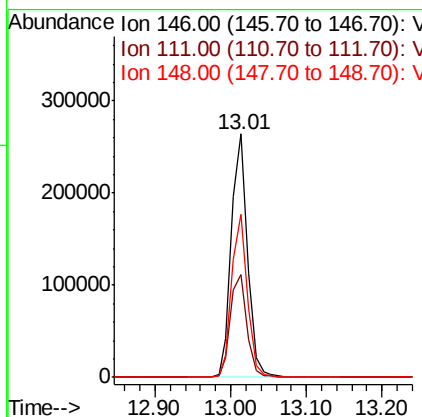
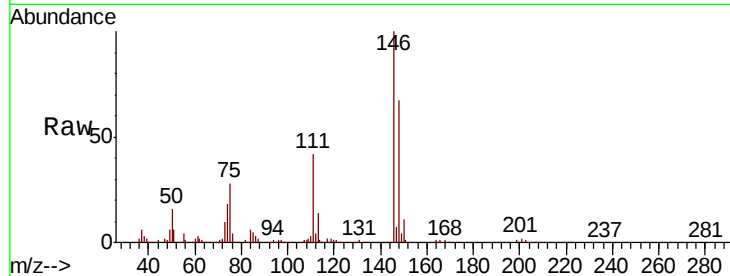




#91
 1,2-Dichlorobenzene
 Concen: 48.327 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

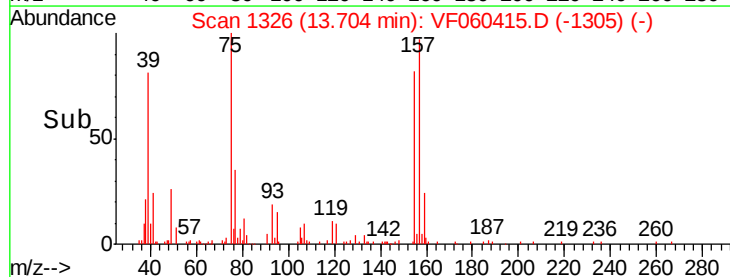
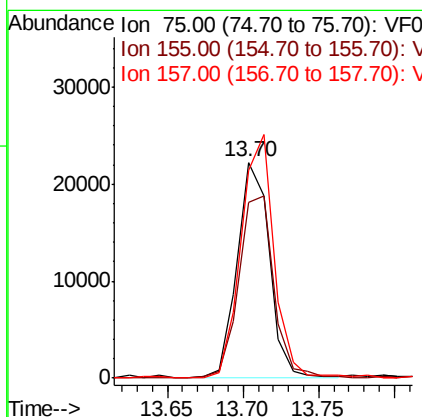
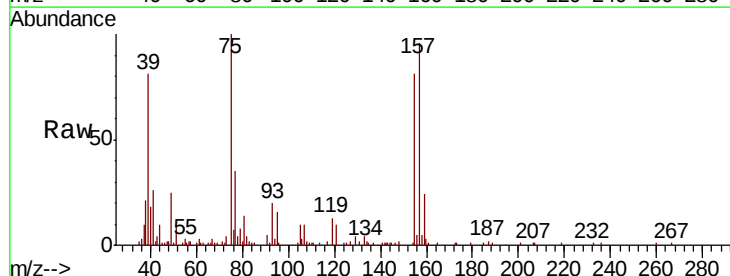
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

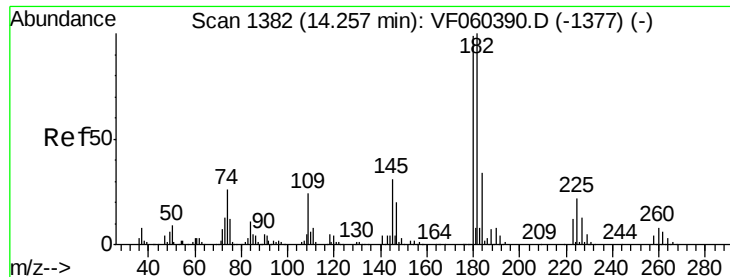
Tot Ion:146 Resp: 386141
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.3 64.0
 148 67.0 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.337 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion: 75 Resp: 33169
 Ion Ratio Lower Upper
 75 100
 155 81.4 37.9 113.6
 157 96.2 51.3 154.0

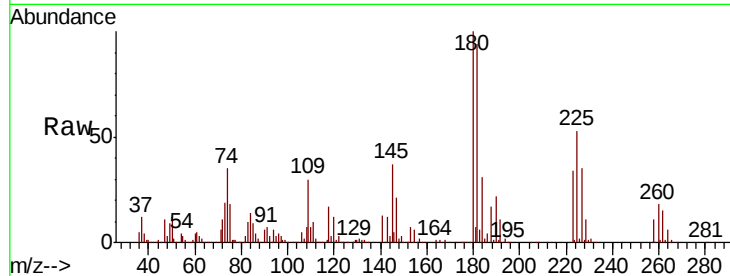




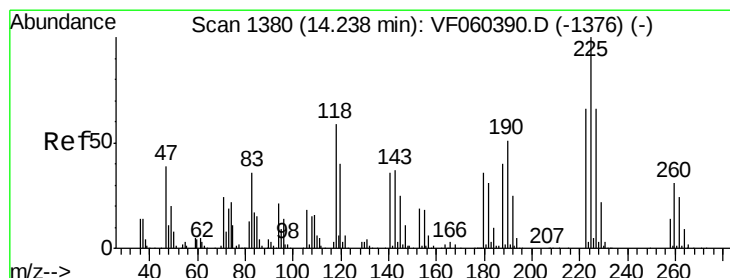
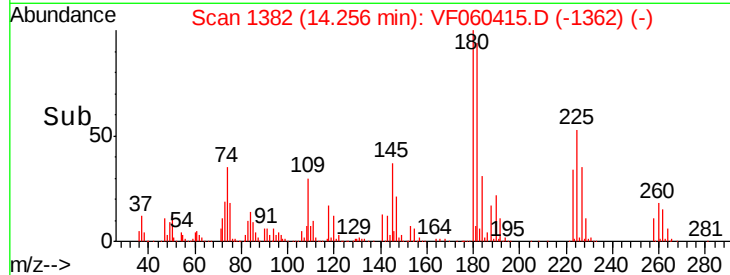
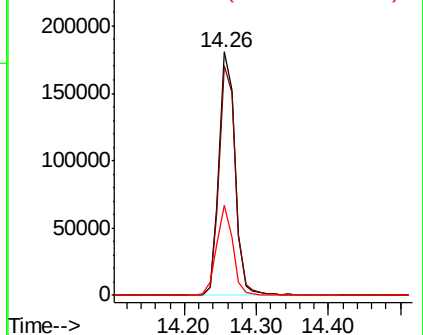
#93
 1,2,4-Trichlorobenzene
 Concen: 46.342 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 276760
 Ion Ratio Lower Upper
 180 100
 182 94.3 50.3 150.9
 145 36.8 15.5 46.5

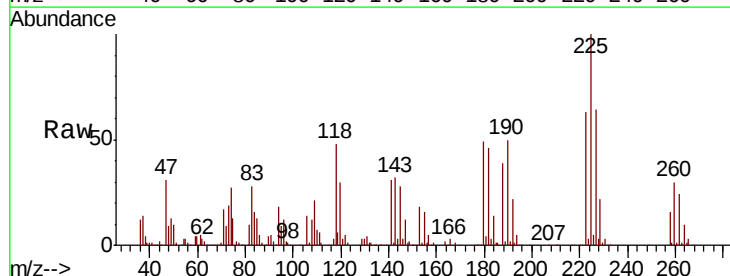


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

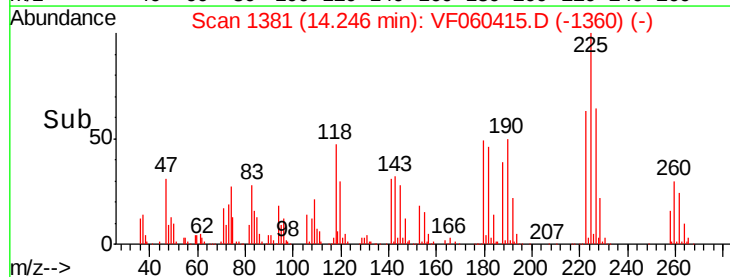
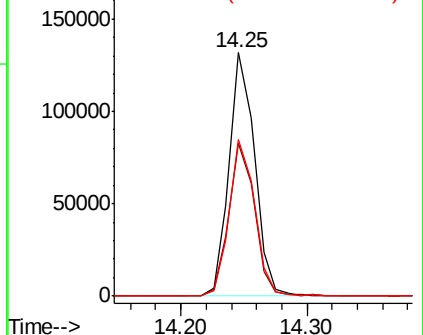


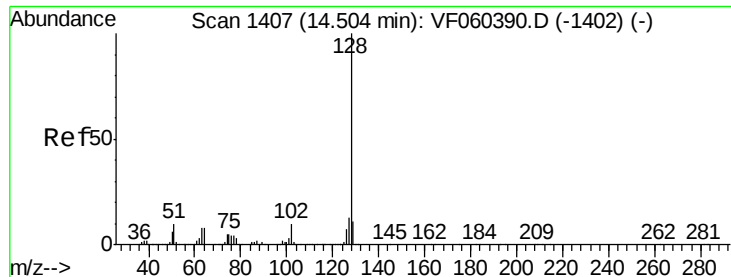
#94
 Hexachlorobutadiene
 Concen: 44.102 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion:225 Resp: 183824
 Ion Ratio Lower Upper
 225 100
 223 62.7 32.8 98.4
 227 64.4 33.0 99.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

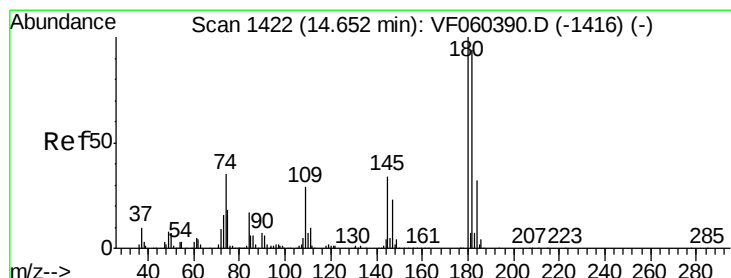
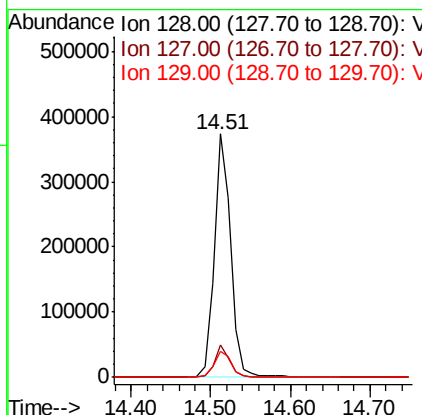
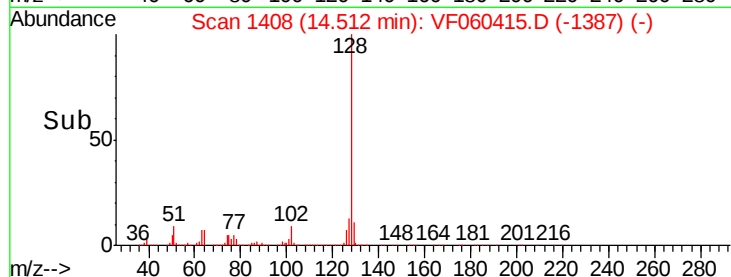
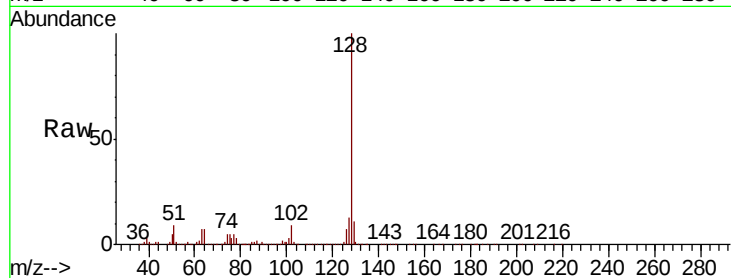




#95
Naphthalene
Concen: 50.673 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 541082
Ion Ratio Lower Upper
128 100
127 13.4 10.0 15.0
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 47.716 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion:180 Resp: 267128
Ion Ratio Lower Upper
180 100
182 99.0 46.8 140.3
145 31.7 16.9 50.6

