

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100118\
 Data File : VF060393.D
 Acq On : 1 Oct 2018 20:05
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 02 00:05:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	280706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	490332	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	425857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	221382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	605951	153.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.76%	
35) Dibromofluoromethane	4.27	113	618322	138.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	277.50%	
50) Toluene-d8	7.69	98	1503730	131.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	262.86%	
62) 4-Bromofluorobenzene	11.49	95	660599	132.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	264.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	823089	153.091	ug/l	97
3) Chloromethane	1.13	50	532659	136.382	ug/l	98
4) Vinyl Chloride	1.17	62	558405	139.621	ug/l	96
5) Bromomethane	1.36	94	392505	141.503	ug/l	98
6) Chloroethane	1.42	64	253016	132.034	ug/l	98
7) Trichlorofluoromethane	1.54	101	1151387	148.263	ug/l	97
8) Diethyl Ether	1.69	74	173127	140.916	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.89	101	572372	142.527	ug/l	95
10) Methyl Iodide	1.96	142	957166	149.266	ug/l	95
11) Tert butyl alcohol	2.67	59	195398	775.475	ug/l #	85
12) 1,1-Dichloroethene	1.85	96	468809	144.025	ug/l	87
13) Acrolein	2.08	56	145516	1008.970	ug/l	87
14) Allyl chloride	2.18	41	795169	141.341	ug/l	88
15) Acrylonitrile	3.05	53	338684	641.466	ug/l	88
16) Acetone	2.32	43	549328	519.869	ug/l #	91
17) Carbon Disulfide	1.89	76	1416380	141.498	ug/l	98
18) Methyl Acetate	2.43	43	244431	134.963	ug/l	94
19) Methyl tert-butyl Ether	2.52	73	1184738	144.980	ug/l	98
20) Methylene Chloride	2.27	84	175534	46.066	ug/l	88
21) trans-1,2-Dichloroethene	2.39	96	484997	143.514	ug/l	95
22) Diisopropyl ether	2.91	45	1401536	133.154	ug/l #	92
23) Vinyl Acetate	3.31	43	2812701	677.037	ug/l #	94
24) 1,1-Dichloroethane	2.98	63	910585	131.162	ug/l	99
25) 2-Butanone	4.48	43	758451	551.699	ug/l #	91
26) 2,2-Dichloropropane	3.73	77	473573	120.932	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	555340	129.083	ug/l	95
28) Bromochloromethane	3.86	49	344575	127.512	ug/l	92
29) Tetrahydrofuran	4.22	42	318792	616.938	ug/l	100
30) Chloroform	4.01	83	1117583	134.184	ug/l	99
31) Cyclohexane	3.84	56	713089	124.442	ug/l	96
32) 1,1,1-Trichloroethane	4.25	97	907459	135.979	ug/l	95
36) 1,1-Dichloropropene	4.43	75	804243	130.423	ug/l	98
37) Ethyl Acetate	4.27	43	306163	120.159	ug/l #	73
38) Carbon Tetrachloride	4.14	117	1063183	153.164	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	784895	121.133	ug/l	93
40) Benzene	4.79	78	1623033	119.670	ug/l	99
41) Methacrylonitrile	4.90	41	173370	126.842	ug/l	95
42) 1,2-Dichloroethane	5.09	62	761105	144.952	ug/l	98
43) Isopropyl Acetate	7.09	43	414589	135.020	ug/l	100
44) Trichloroethene	5.65	130	494389	121.682	ug/l	95
45) 1,2-Dichloropropane	6.38	63	444433	125.781	ug/l	97
46) Dibromomethane	6.23	93	338055	130.972	ug/l	93
47) Bromodichloromethane	6.52	83	821284	131.767	ug/l	100
48) Methyl methacrylate	6.85	41	274237	125.569	ug/l	99
49) 1,4-Dioxane	6.84	88	49607	2566.622	ug/l #	80
51) 4-Methyl-2-Pentanone	8.39	43	1318591	572.047	ug/l	93
52) Toluene	7.76	92	1060528	122.536	ug/l	87
53) t-1,3-Dichloropropene	8.41	75	655807	131.987	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	763980	122.538	ug/l	98
55) 1,1,2-Trichloroethane	8.61	97	344617	131.234	ug/l	94
56) Ethyl methacrylate	8.74	69	411155	129.498	ug/l	92
57) 1,3-Dichloropropane	8.98	76	587589	134.558	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	182998	635.902	ug/l #	100
59) 2-Hexanone	9.61	43	934011	573.057	ug/l	98
60) Dibromochloromethane	8.84	129	544513	137.588	ug/l	98
61) 1,2-Dibromoethane	9.12	107	401081	135.639	ug/l	95
64) Tetrachloroethene	8.28	164	452224	118.953	ug/l	95
65) Chlorobenzene	9.91	112	1211086	126.896	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	513432	127.754	ug/l	97
67) Ethyl Benzene	10.02	91	2119720	119.581	ug/l	94
68) m/p-Xylenes	10.25	106	1509590	246.720	ug/l	80
69) o-Xylene	10.81	106	848359	123.890	ug/l	86
70) Styrene	10.88	104	1197163	124.300	ug/l	99
71) Bromoform	10.87	173	302983	138.238	ug/l	90
73) Isopropylbenzene	11.21	105	2294550	117.402	ug/l	93
74) N-amyl acetate	11.44	43	607427	143.461	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	446027	128.563	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	328549	130.896	ug/l	94
77) Bromobenzene	11.58	156	545936	129.296	ug/l	93
78) n-propylbenzene	11.67	91	2547027	109.742	ug/l	95
79) 2-Chlorotoluene	11.80	91	1600137	119.552	ug/l	91
80) 1,3,5-Trimethylbenzene	11.90	105	1838635	116.316	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.95	75	219750	167.788	ug/l	87
82) 4-Chlorotoluene	11.97	91	1636824	122.250	ug/l	94
83) tert-Butylbenzene	12.20	119	1800452	112.034	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1893437	117.315	ug/l	94
85) sec-Butylbenzene	12.38	105	2487240	112.395	ug/l	93
86) p-Isopropyltoluene	12.53	119	2007539	113.987	ug/l	94
87) 1,3-Dichlorobenzene	12.55	146	966632	121.926	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	958648	122.849	ug/l	95
89) n-Butylbenzene	12.90	91	2055931	109.608	ug/l	92
90) Hexachloroethane	12.98	117	581804	128.630	ug/l	77
91) 1,2-Dichlorobenzene	13.01	146	926493	122.084	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	98626	150.142	ug/l	93

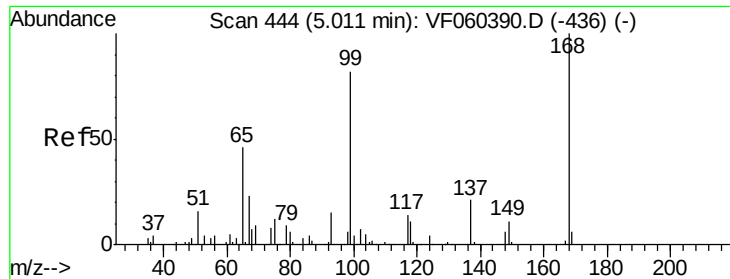
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	689781	124.505	ug/l	96
94) Hexachlorobutadiene	14.24	225	492219	131.555	ug/l	97
95) Naphthalene	14.51	128	1456851	148.895	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	683991	133.889	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

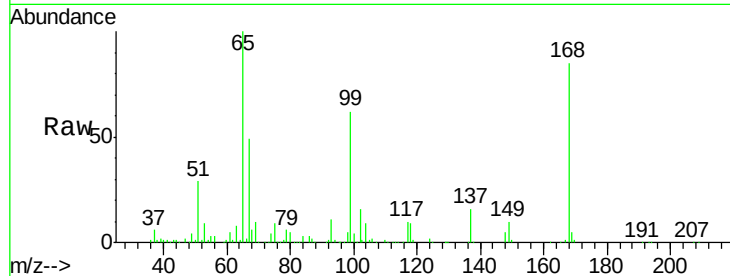
VSTDIC150

Tgt Ion:168 Resp: 280706

Ion Ratio Lower Upper

168 100

99 73.3 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

80000

60000

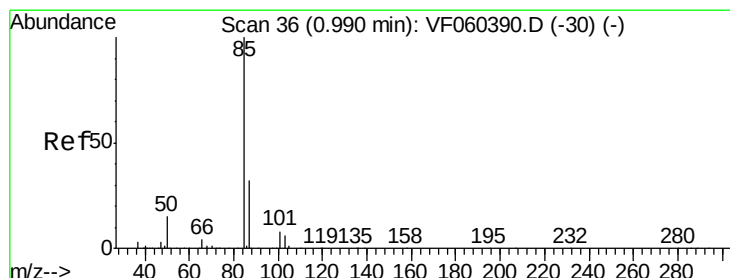
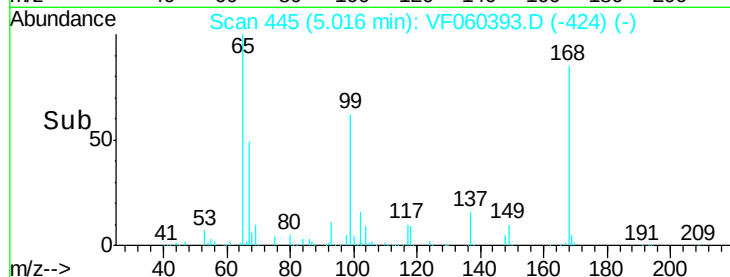
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 153.091 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060393.D

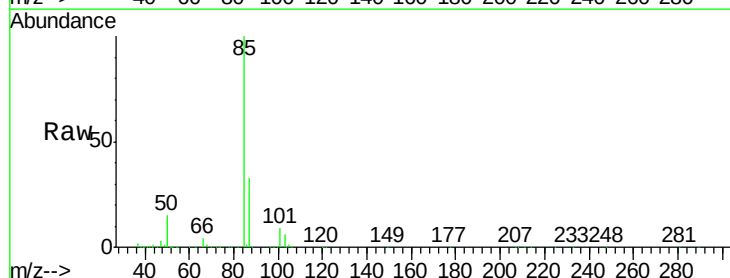
Acq: 1 Oct 2018 20:05

Tgt Ion: 85 Resp: 823089

Ion Ratio Lower Upper

85 100

87 33.2 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

300000

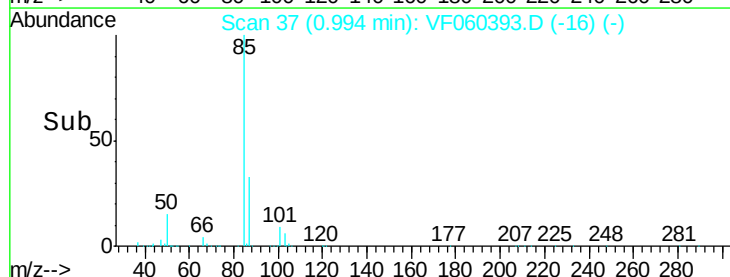
200000

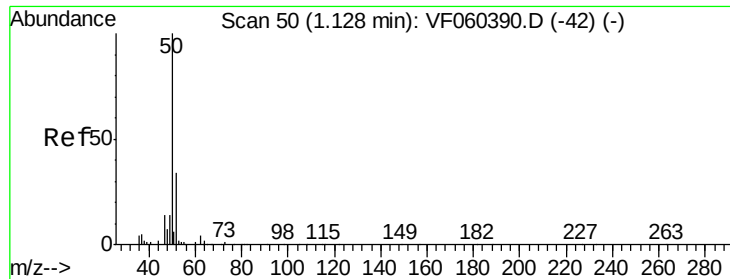
100000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 136.382 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

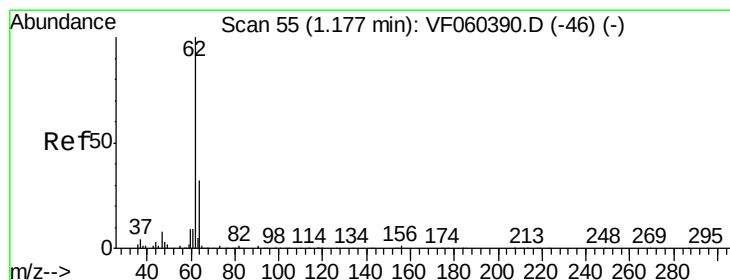
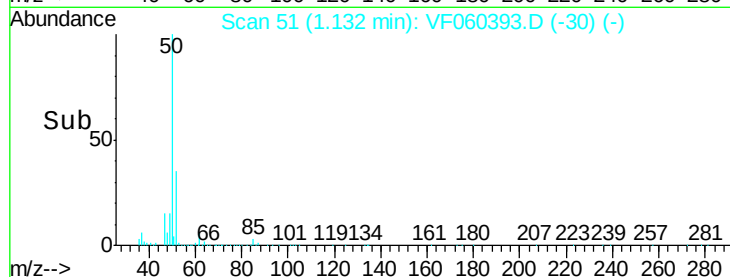
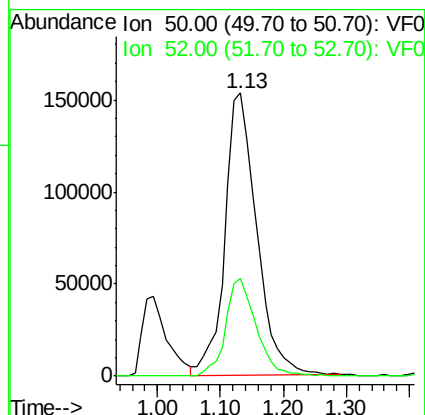
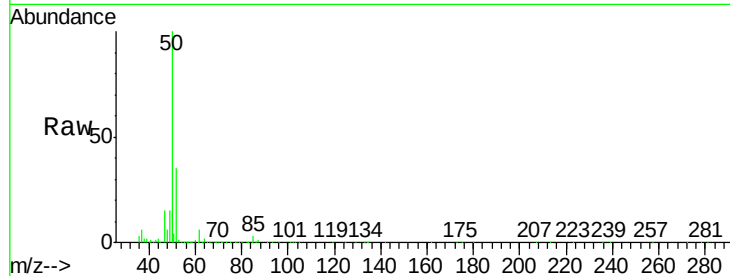
VSTDIC150

Tgt Ion: 50 Resp: 532659

Ion Ratio Lower Upper

50 100

52 34.7 26.9 40.3



#4

Vinyl Chloride

Concen: 139.621 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060393.D

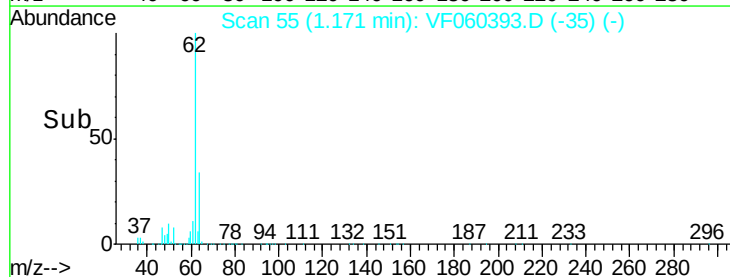
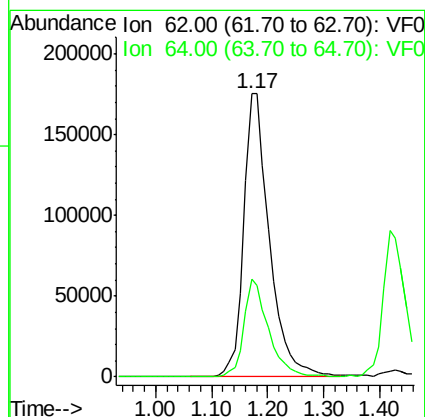
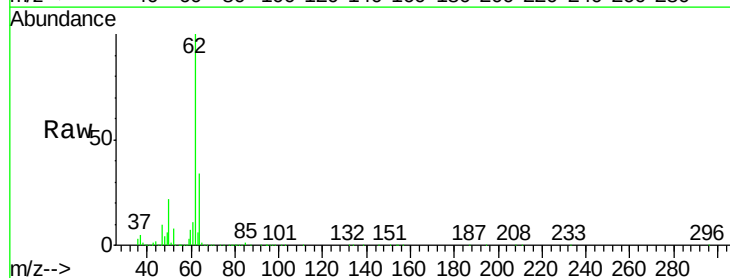
Acq: 1 Oct 2018 20:05

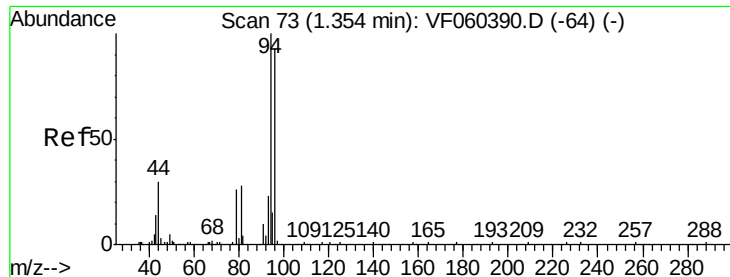
Tgt Ion: 62 Resp: 558405

Ion Ratio Lower Upper

62 100

64 34.4 25.8 38.6





#5

Bromomethane

Concen: 141.503 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

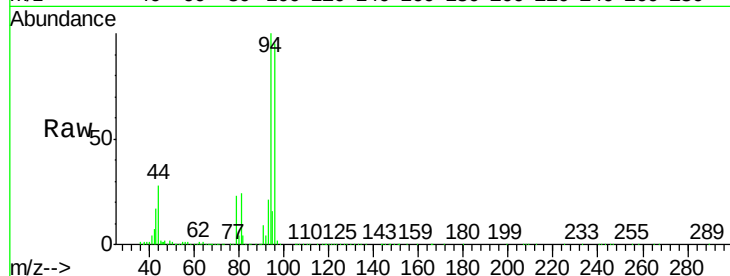
VSTDIC150

Tgt Ion: 94 Resp: 392505

Ion Ratio Lower Upper

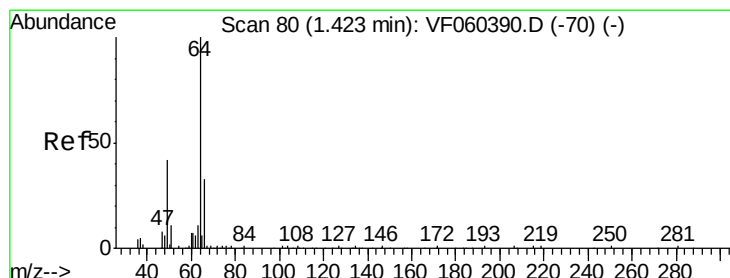
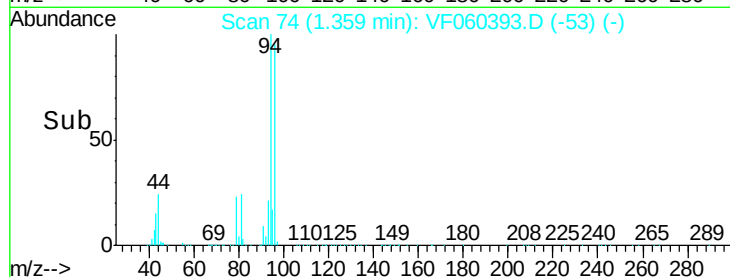
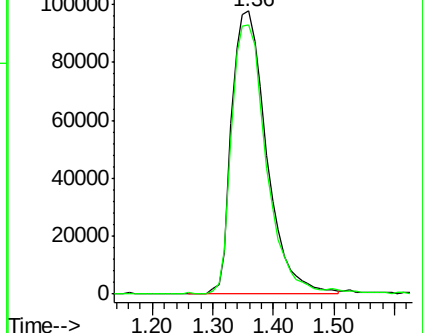
94 100

96 95.1 74.3 111.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 132.034 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060393.D

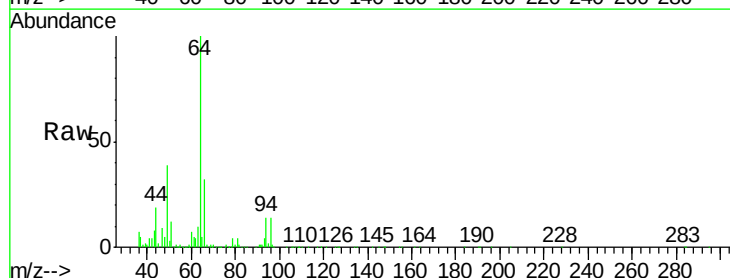
Acq: 1 Oct 2018 20:05

Tgt Ion: 64 Resp: 253016

Ion Ratio Lower Upper

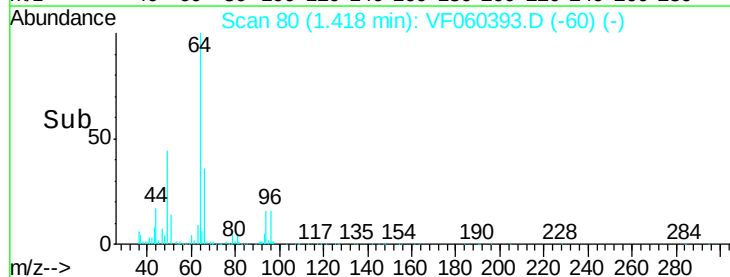
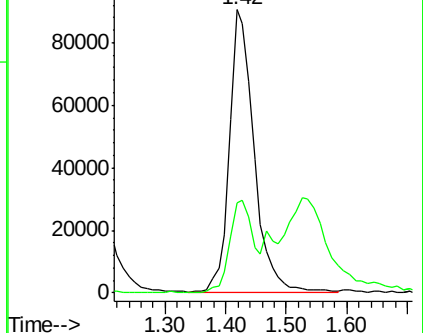
64 100

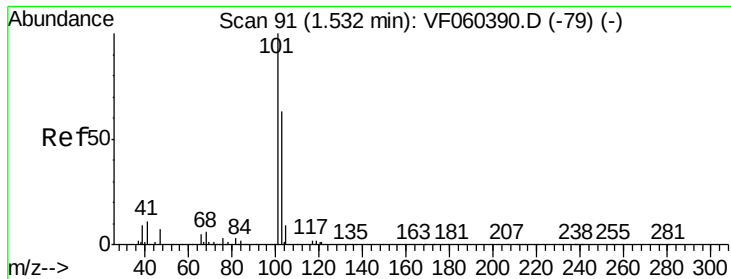
66 31.8 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



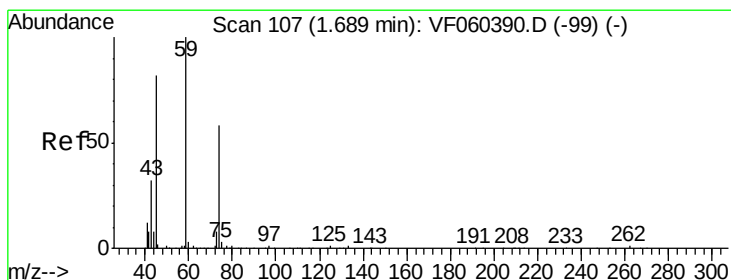
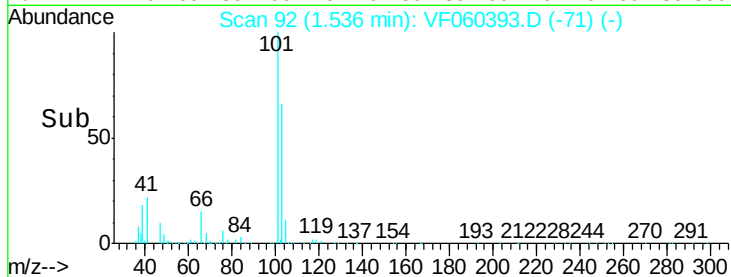
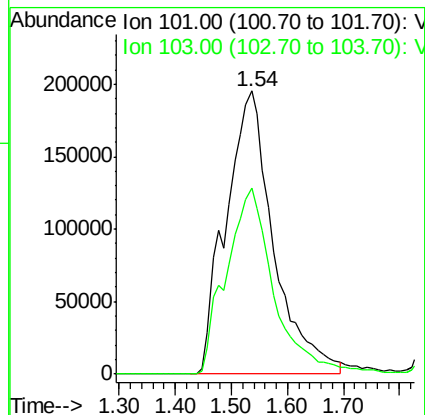
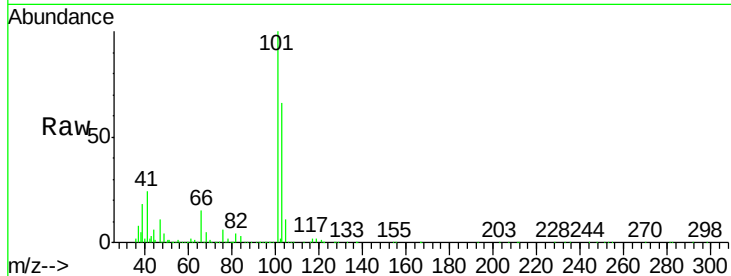


#7

Trichlorofluoromethane
 Concen: 148.263 ug/l
 RT: 1.54 min Scan# 92
 Delta R.T. 0.00 min
 Lab File: VF060393.D
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 VSTDIC150

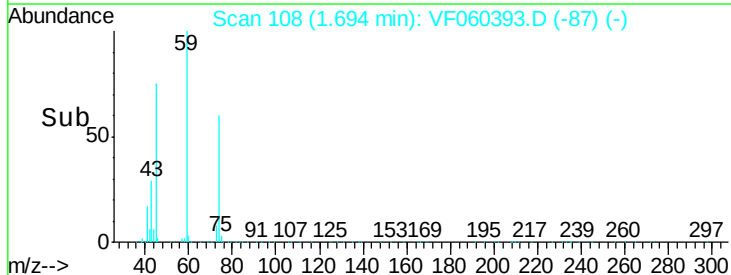
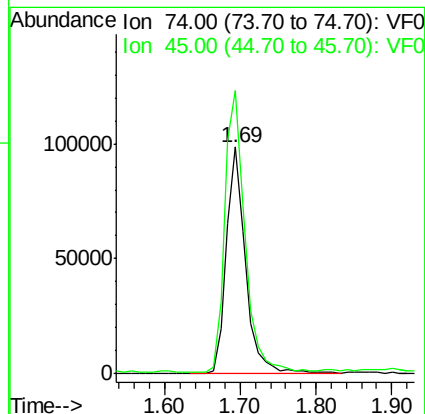
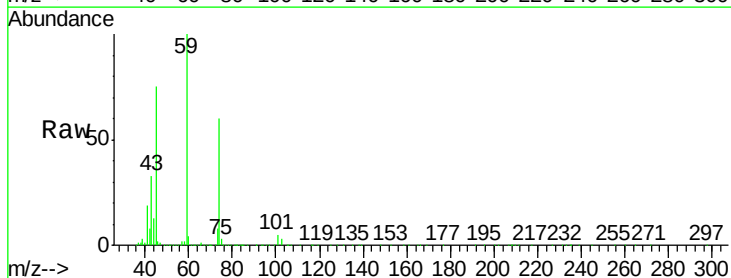
Tgt Ion:101 Resp: 1151387
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.0 76.4

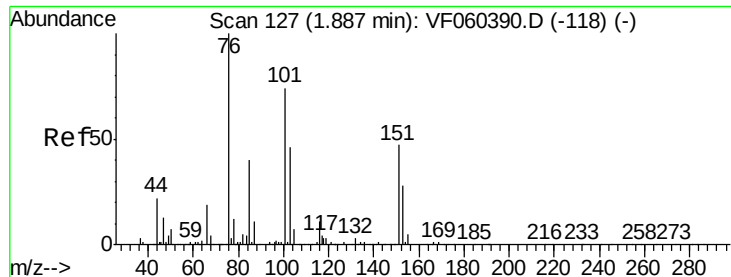


#8

Diethyl Ether
 Concen: 140.916 ug/l
 RT: 1.69 min Scan# 108
 Delta R.T. 0.00 min
 Lab File: VF060393.D
 Acq: 1 Oct 2018 20:05

Tgt Ion: 74 Resp: 173127
 Ion Ratio Lower Upper
 74 100
 45 124.7 71.3 213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 142.527 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

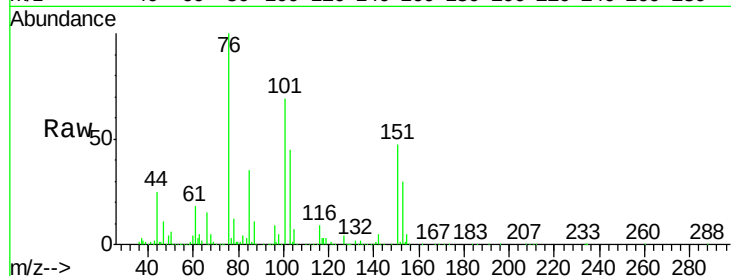
Tgt Ion:101 Resp: 572372

Ion Ratio Lower Upper

101 100

85 50.5 42.5 63.7

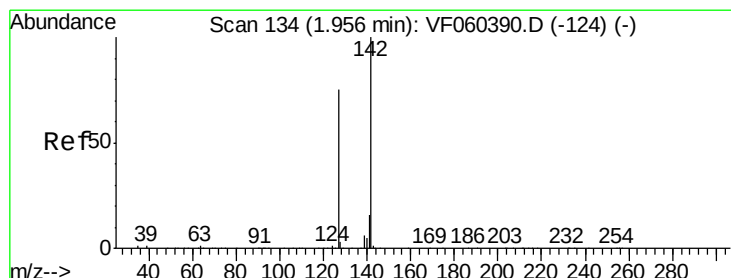
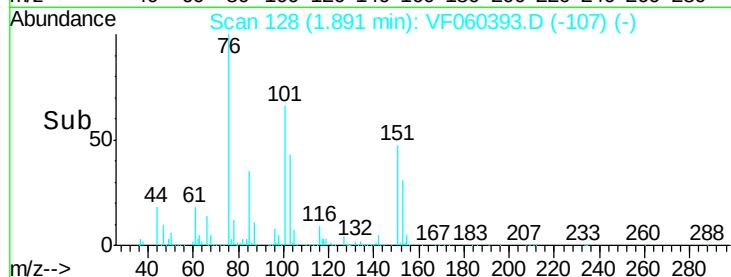
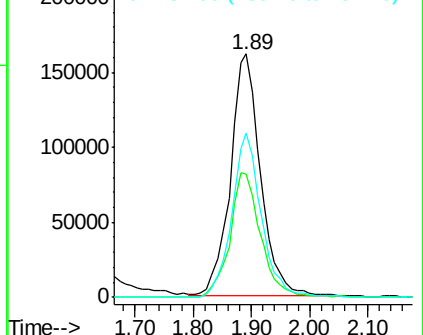
151 67.4 49.8 74.8



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: 149.266 ug/l

RT: 1.96 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

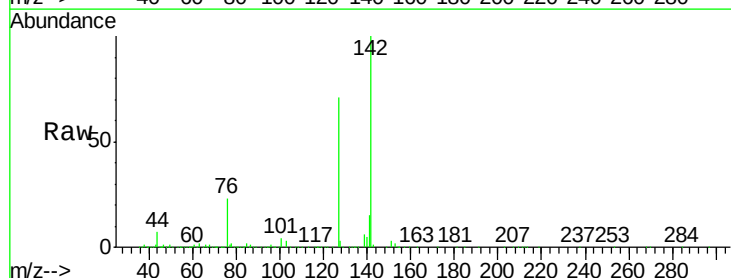
Tgt Ion:142 Resp: 957166

Ion Ratio Lower Upper

142 100

127 70.9 60.2 90.2

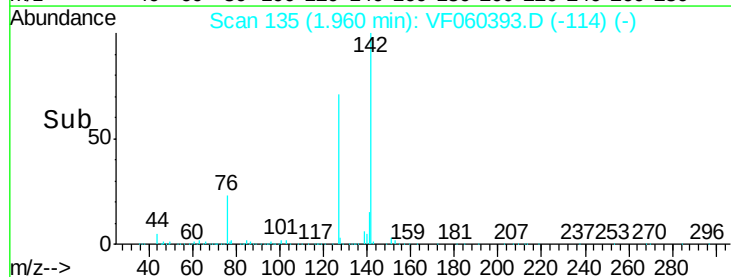
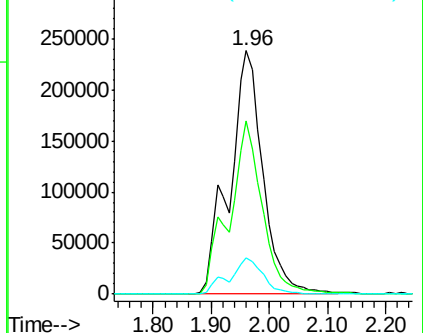
141 15.1 13.1 19.7

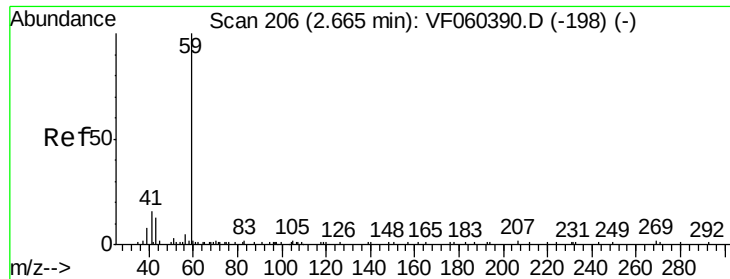


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



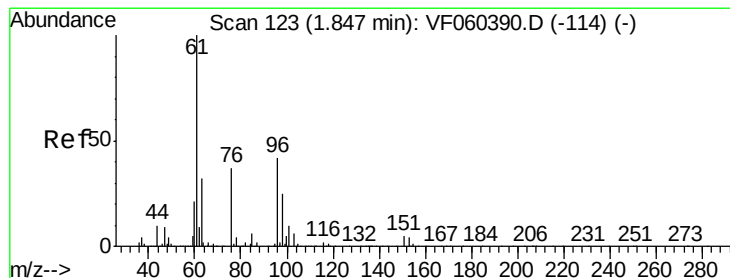
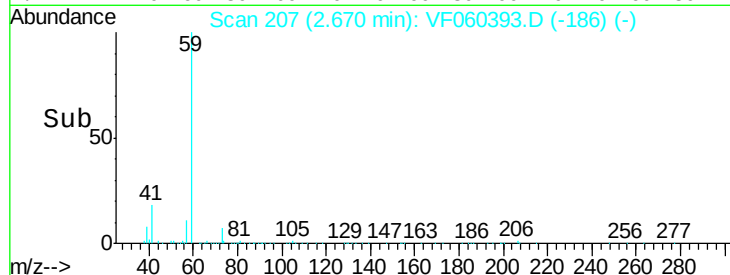
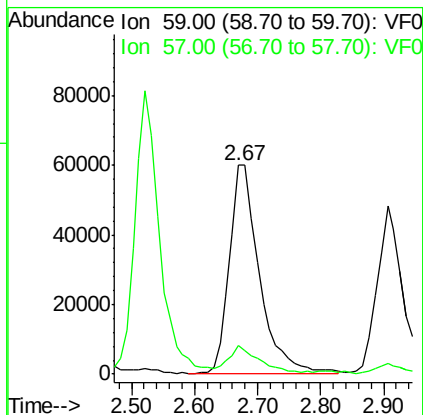
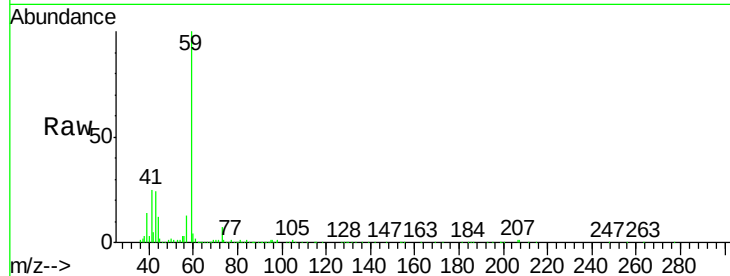


#11

Tert butyl alcohol
Concen: 775.475 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

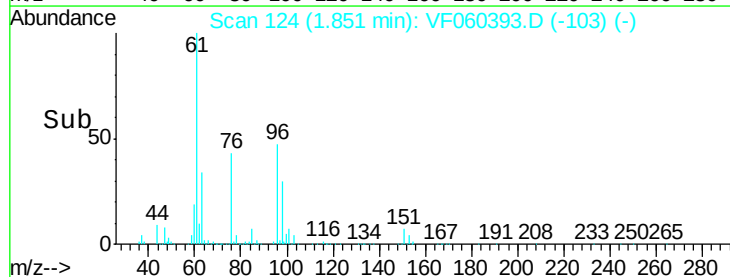
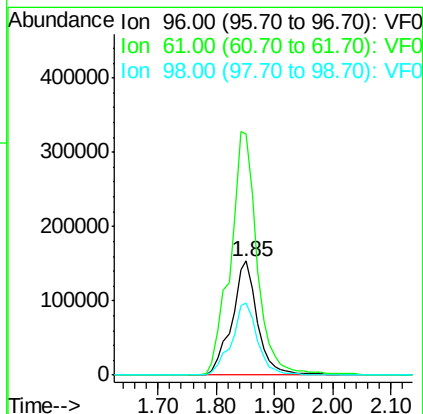
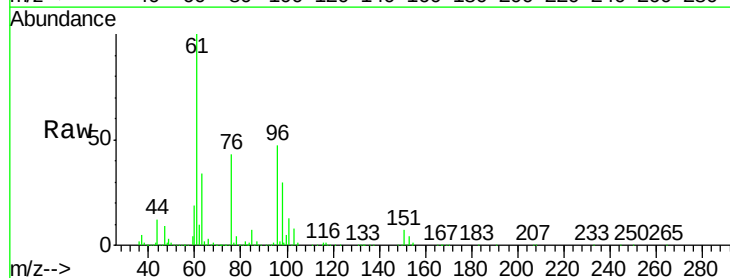
Tgt Ion: 59 Resp: 195398
Ion Ratio Lower Upper
59 100
57 13.5 6.5 9.7#

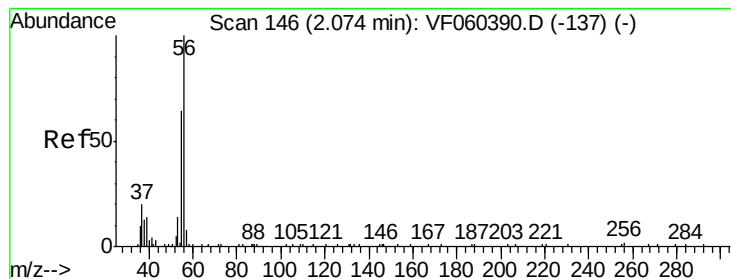


#12

1,1-Dichloroethene
Concen: 144.025 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Tgt Ion: 96 Resp: 468809
Ion Ratio Lower Upper
96 100
61 211.5 189.4 284.0
98 62.9 47.8 71.6





#13

Acrolein

Concen: 1008.970 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

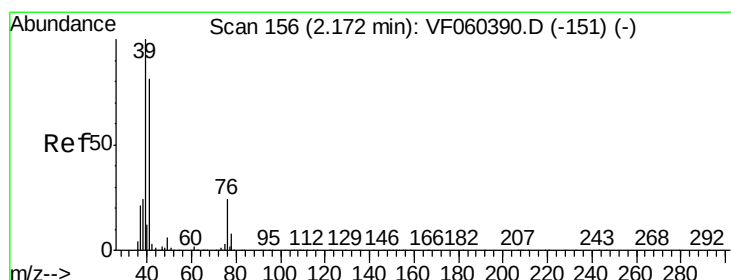
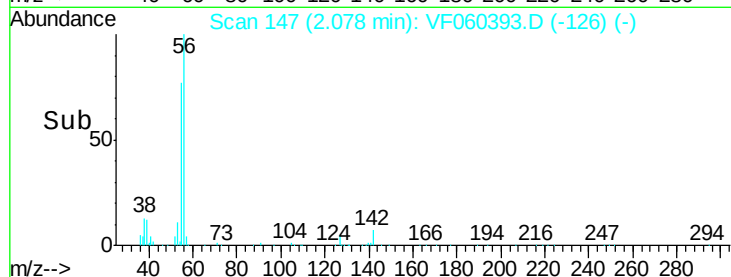
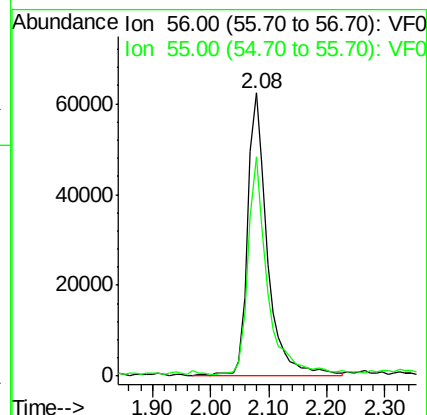
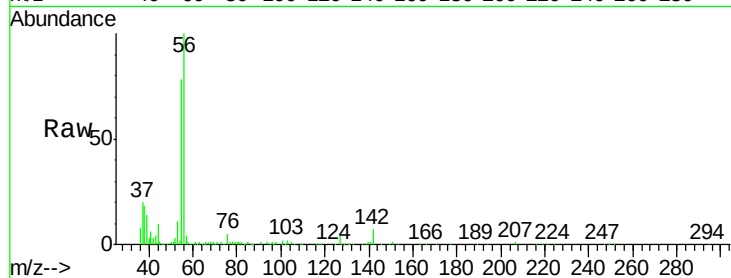
VSTDIC150

Tgt Ion: 56 Resp: 145516

Ion Ratio Lower Upper

56 100

55 77.5 53.9 80.9



#14

Allyl chloride

Concen: 141.341 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

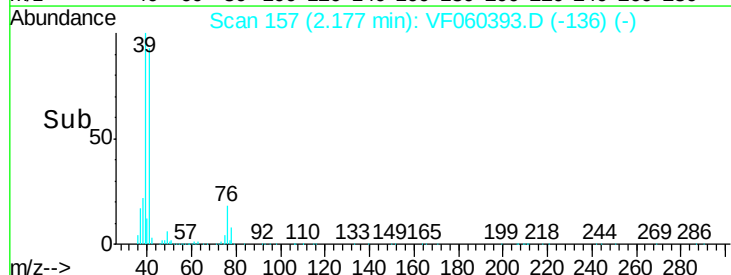
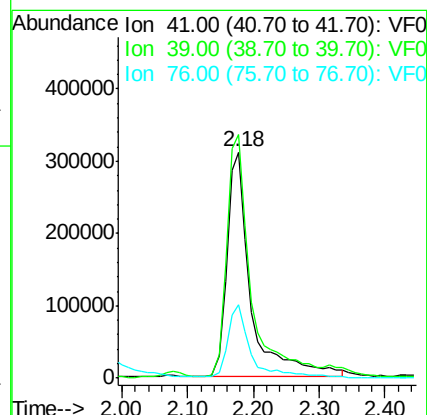
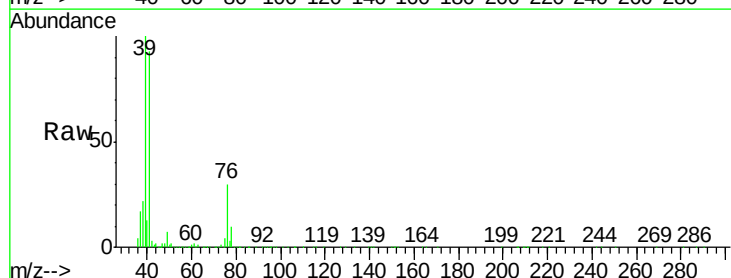
Tgt Ion: 41 Resp: 795169

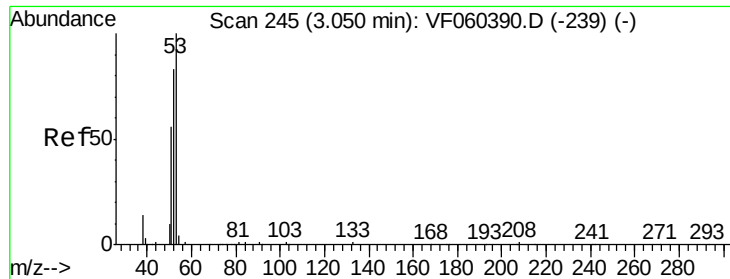
Ion Ratio Lower Upper

41 100

39 107.8 98.3 147.5

76 32.4 23.9 35.9





#15

Acrylonitrile

Concen: 641.466 ug/l

RT: 3.05 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

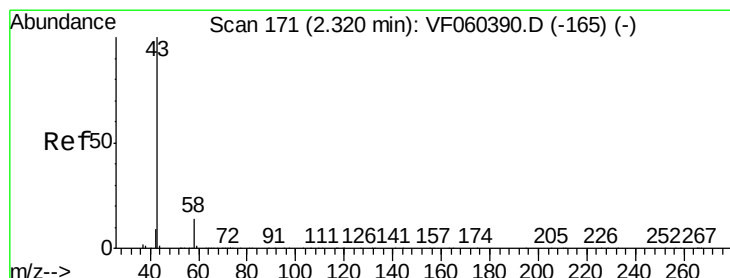
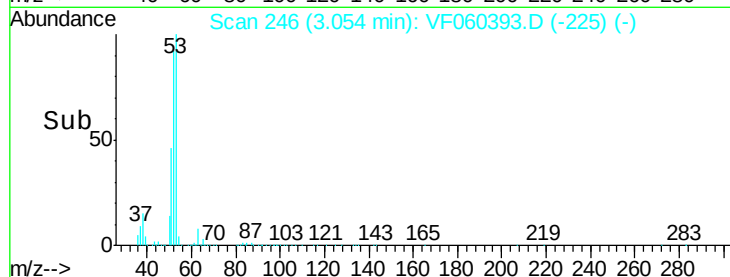
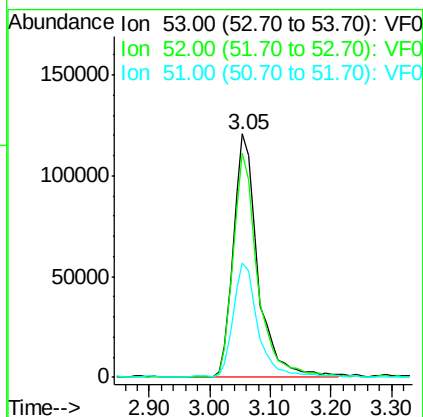
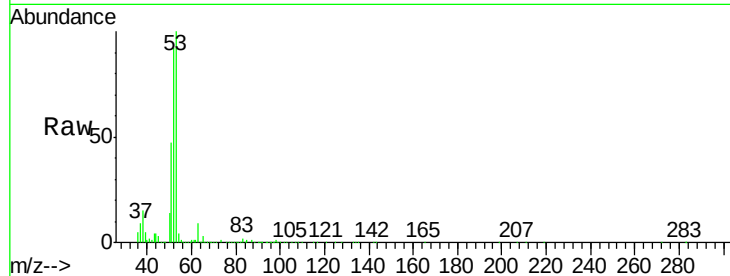
Tgt Ion: 53 Resp: 338684

Ion Ratio Lower Upper

53 100

52 92.4 66.0 99.0

51 46.8 45.6 68.4



#16

Acetone

Concen: 519.869 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.00 min

Lab File: VF060393.D

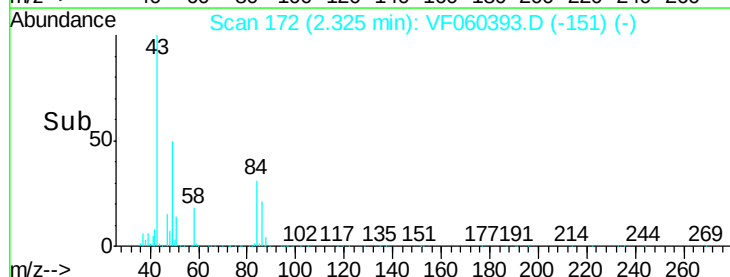
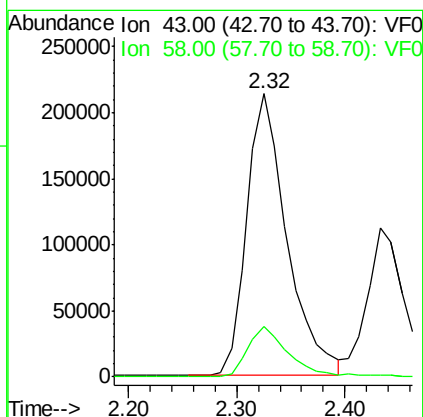
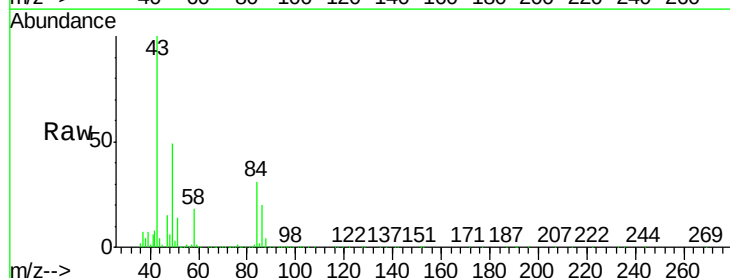
Acq: 1 Oct 2018 20:05

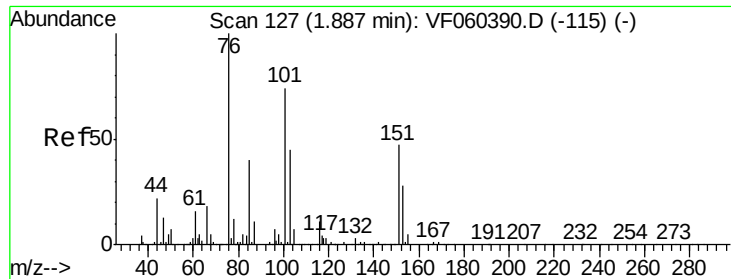
Tgt Ion: 43 Resp: 549328

Ion Ratio Lower Upper

43 100

58 17.6 11.2 16.8#





#17

Carbon Disulfide

Concen: 141.498 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

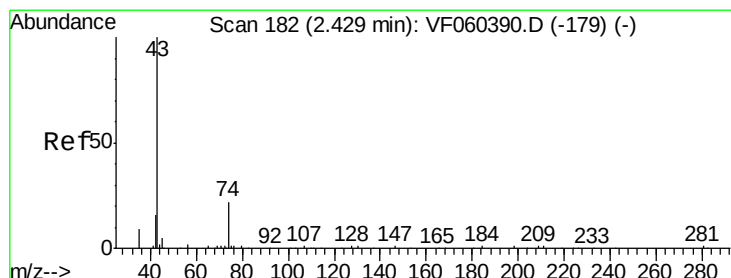
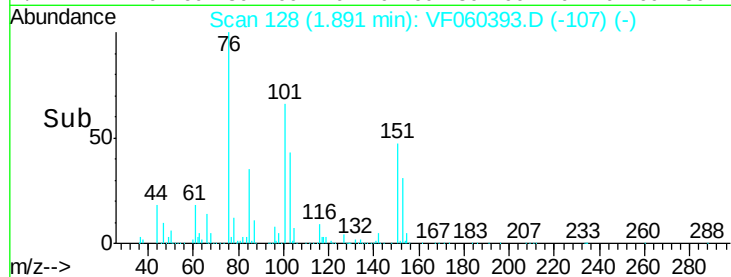
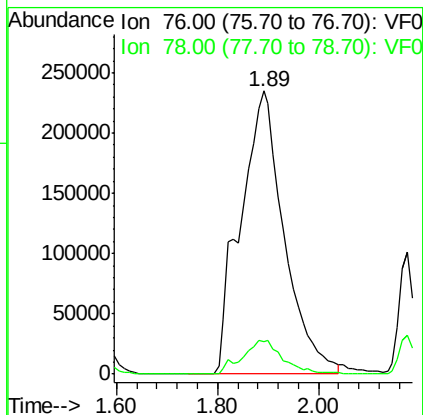
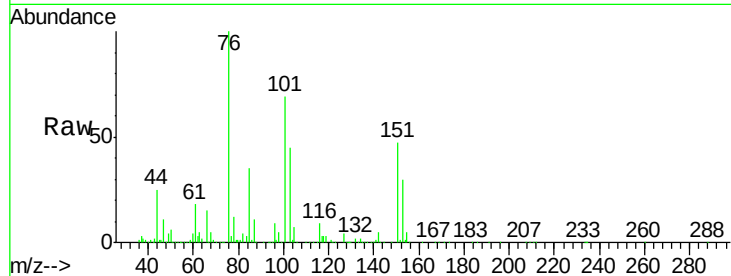
VSTDIC150

Tgt Ion: 76 Resp: 1416380

Ion Ratio Lower Upper

76 100

78 11.7 10.1 15.1



#18

Methyl Acetate

Concen: 134.963 ug/l

RT: 2.43 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF060393.D

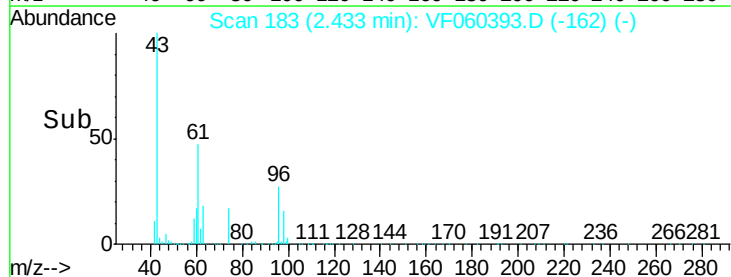
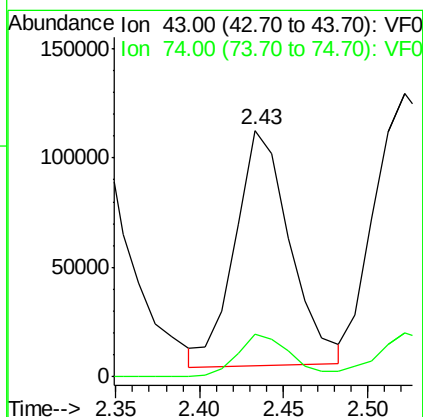
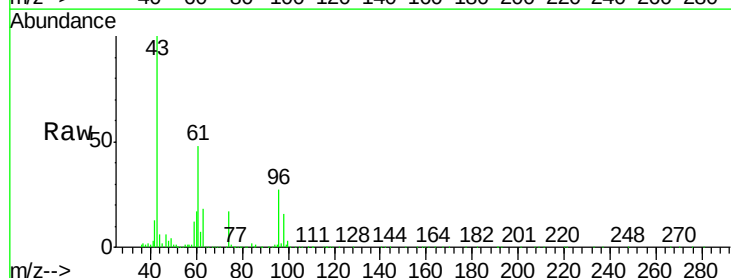
Acq: 1 Oct 2018 20:05

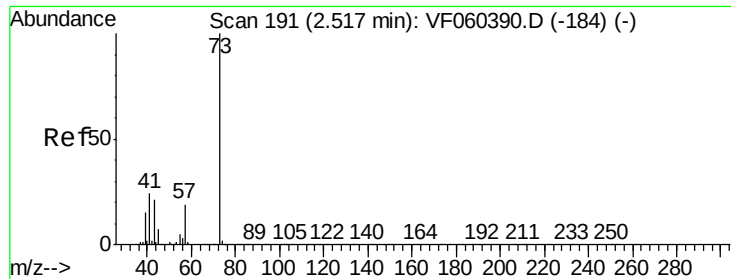
Tgt Ion: 43 Resp: 244431

Ion Ratio Lower Upper

43 100

74 17.1 15.8 23.8





#19

Methyl tert-butyl Ether

Concen: 144.980 ug/l

RT: 2.52 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

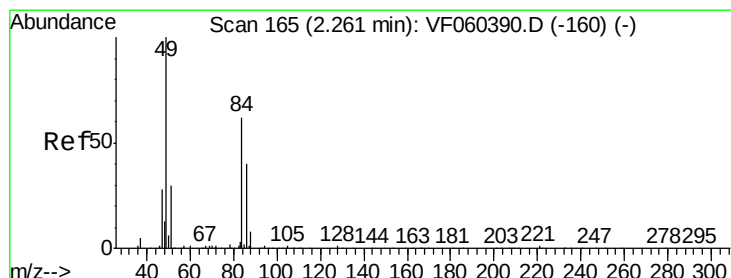
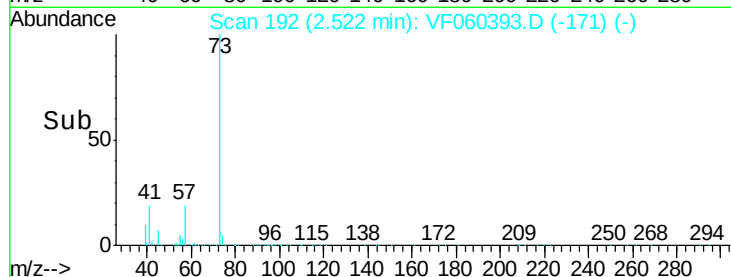
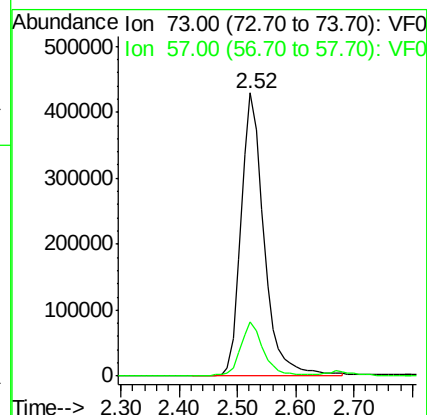
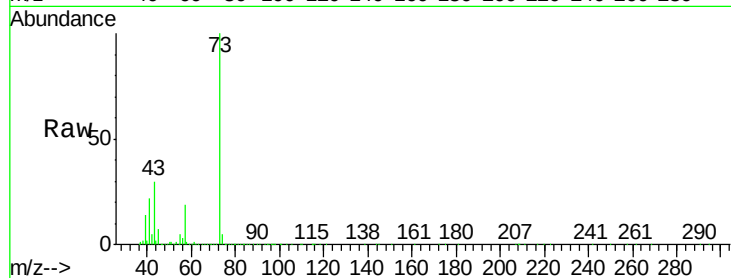
VSTDIC150

Tgt Ion: 73 Resp: 1184738

Ion Ratio Lower Upper

73 100

57 18.9 15.9 23.9



#20

Methylene Chloride

Concen: 46.066 ug/l

RT: 2.27 min Scan# 166

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Tgt Ion: 84 Resp: 175534

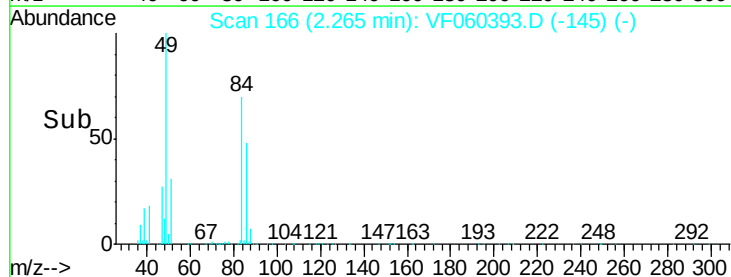
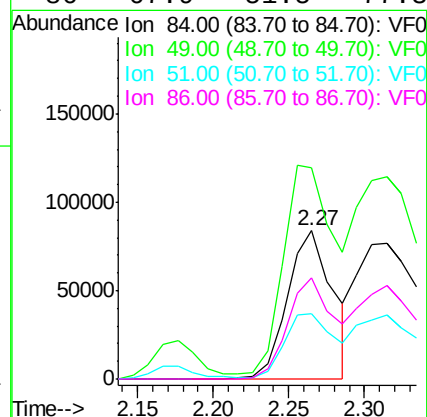
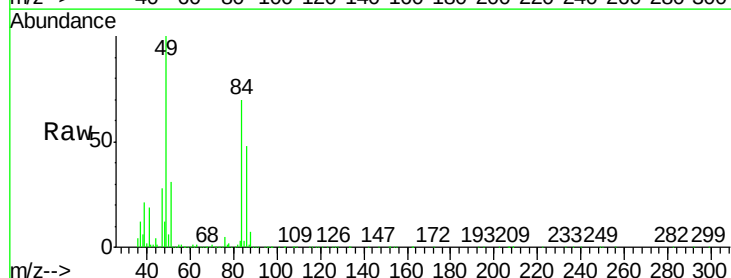
Ion Ratio Lower Upper

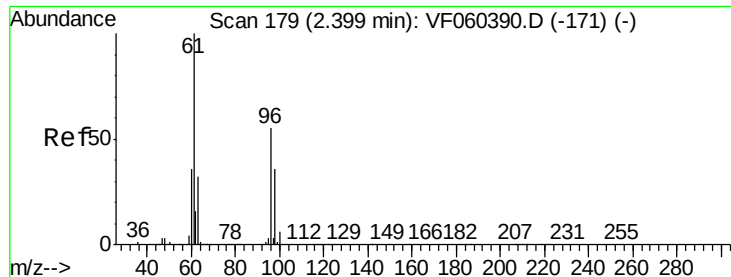
84 100

49 142.7 130.2 195.2

51 44.1 41.0 61.6

86 67.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 143.514 ug/l

RT: 2.39 min Scan# 179

Delta R.T. -0.01 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

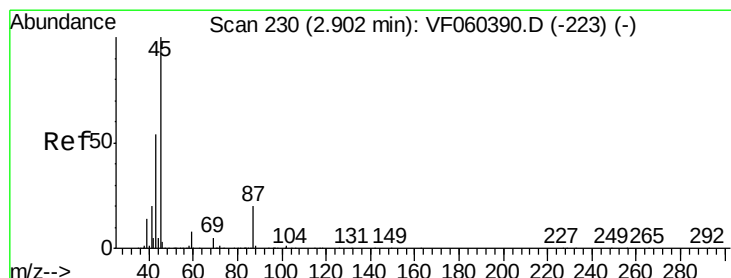
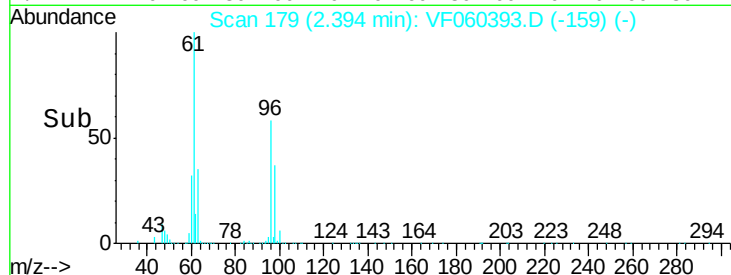
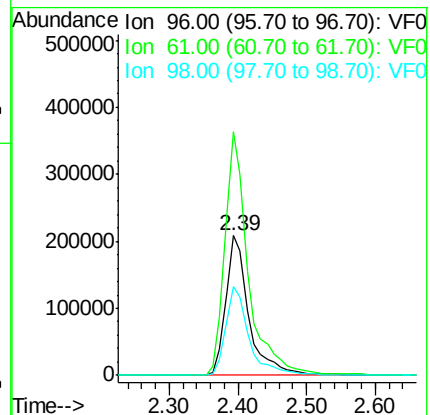
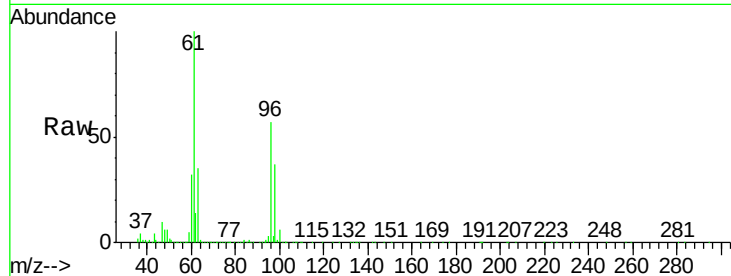
Tgt Ion: 96 Resp: 484997

Ion Ratio Lower Upper

96 100

61 174.3 146.2 219.2

98 63.9 52.6 78.8



#22

Diisopropyl ether

Concen: 133.154 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Tgt Ion: 45 Resp: 1401536

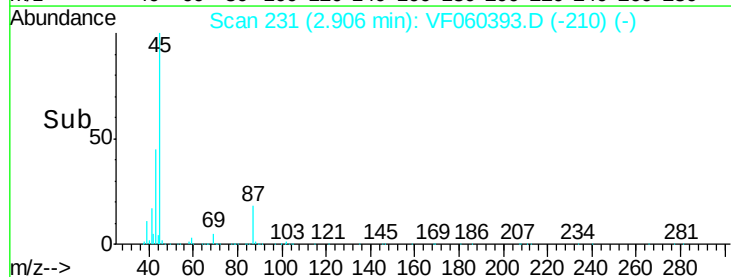
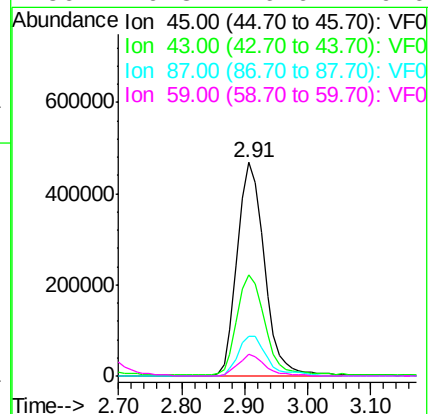
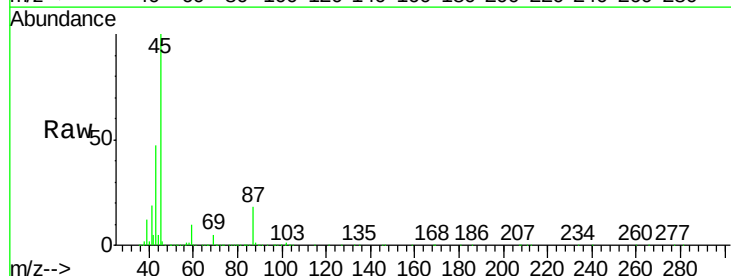
Ion Ratio Lower Upper

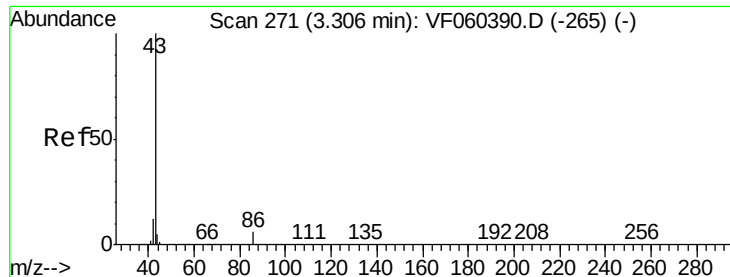
45 100

43 47.5 43.8 65.8

87 18.4 16.3 24.5

59 10.3 6.6 10.0#





#23

Vinyl Acetate

Concen: 677.037 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

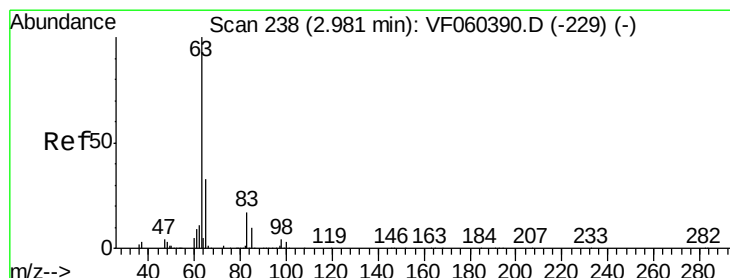
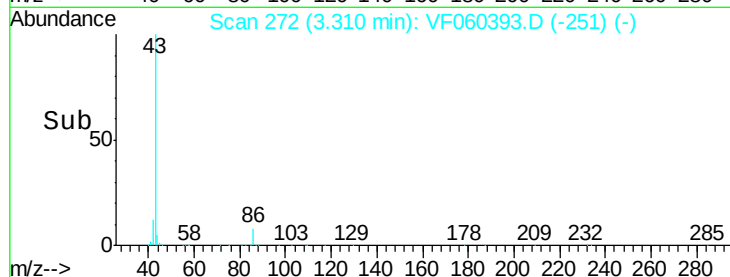
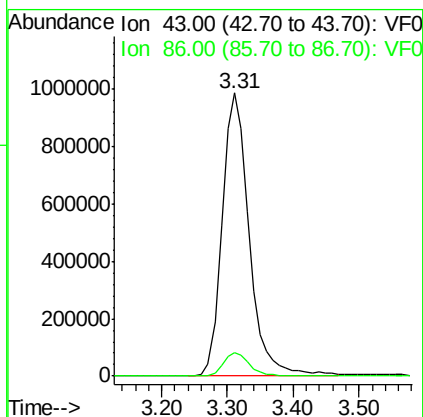
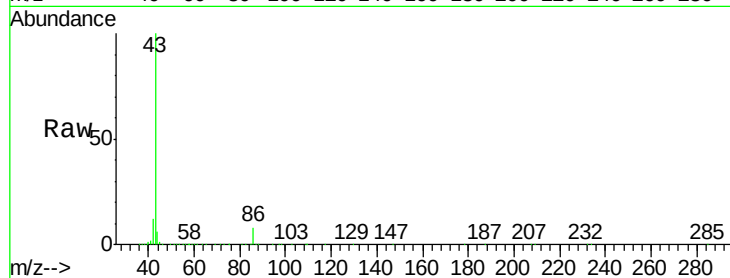
VSTDIC150

Tgt Ion: 43 Resp: 2812701

Ion Ratio Lower Upper

43 100

86 8.5 5.1 7.7#



#24

1,1-Dichloroethane

Concen: 131.162 ug/l

RT: 2.98 min Scan# 239

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

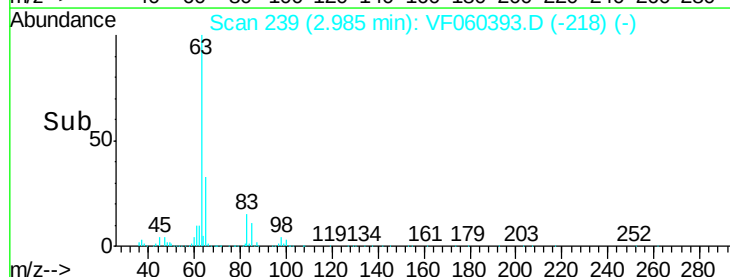
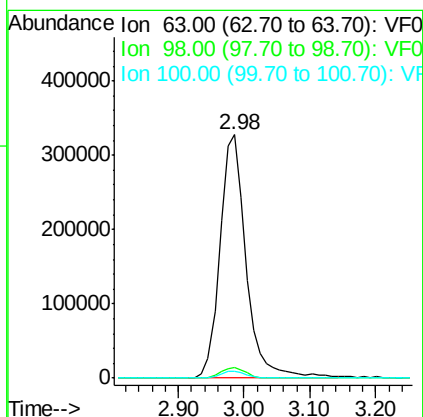
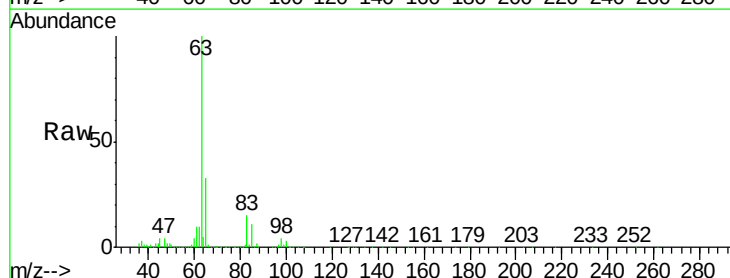
Tgt Ion: 63 Resp: 910585

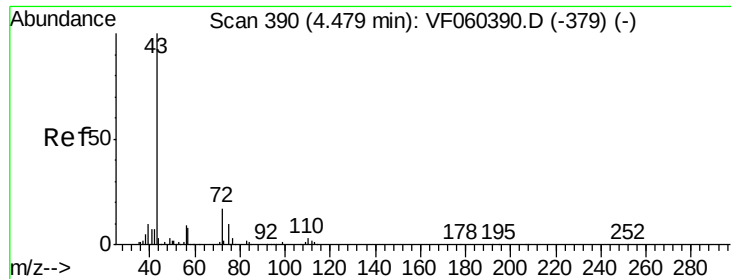
Ion Ratio Lower Upper

63 100

98 4.4 2.0 5.8

100 2.8 1.4 4.2





#25

2-Butanone

Concen: 551.699 ug/l

RT: 4.48 min Scan# 391

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

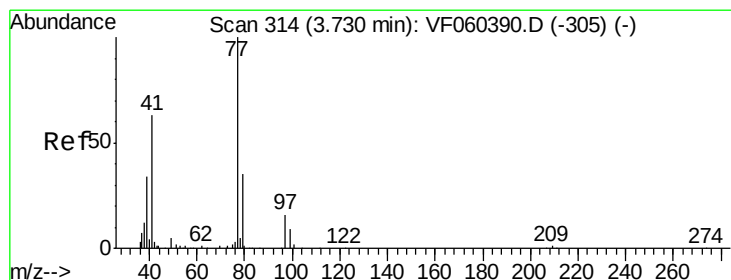
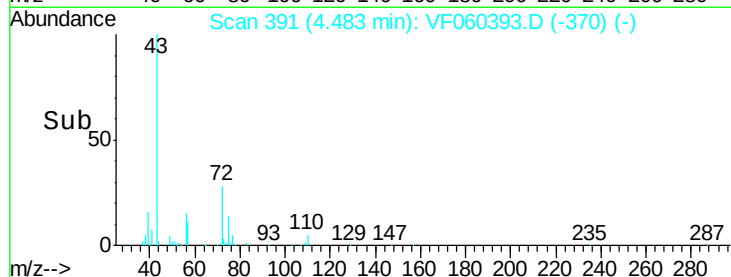
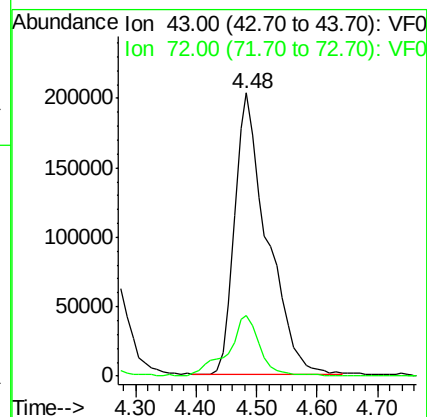
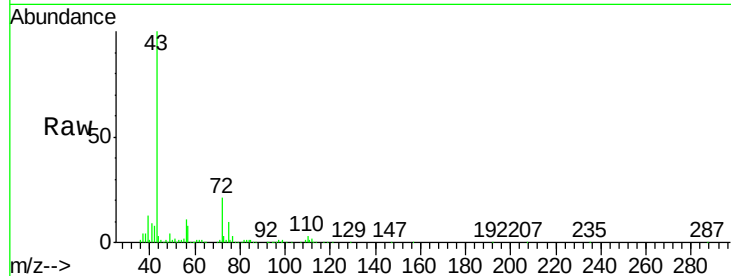
VSTDIC150

Tgt Ion: 43 Resp: 758451

Ion Ratio Lower Upper

43 100

72 21.4 14.1 21.1#



#26

2,2-Dichloropropane

Concen: 120.932 ug/l

RT: 3.73 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF060393.D

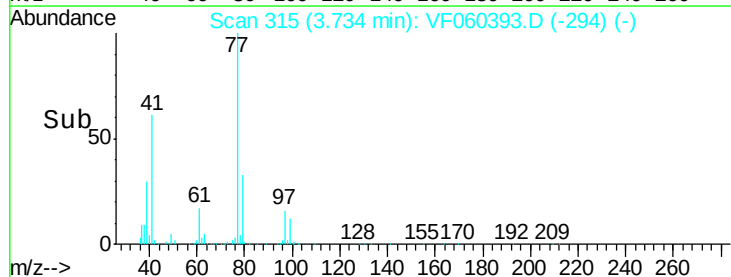
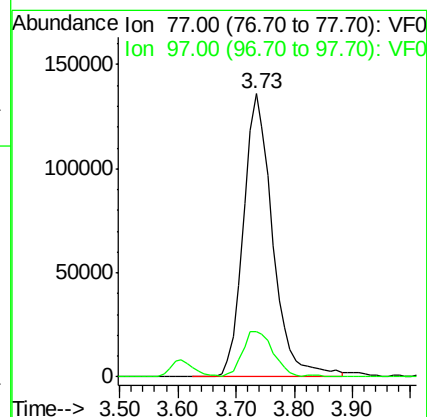
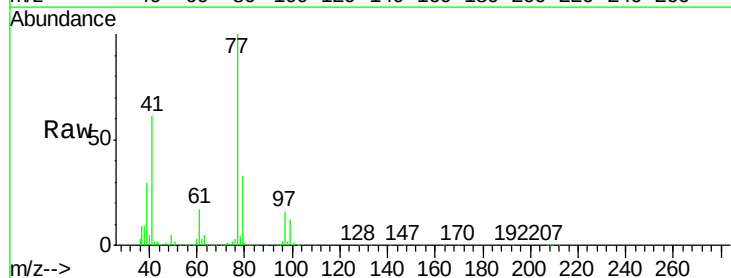
Acq: 1 Oct 2018 20:05

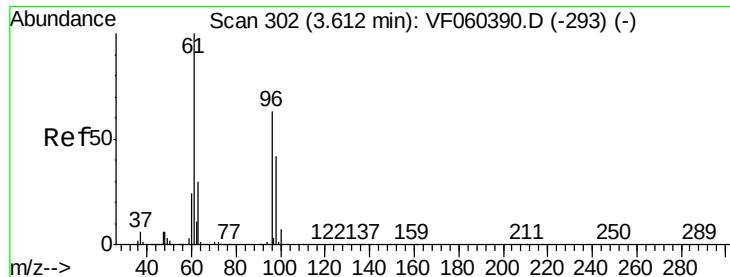
Tgt Ion: 77 Resp: 473573

Ion Ratio Lower Upper

77 100

97 16.2 8.3 25.1



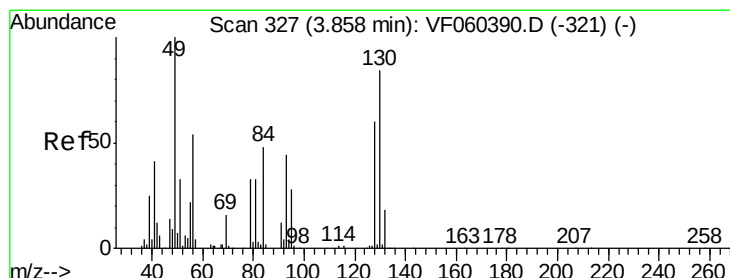
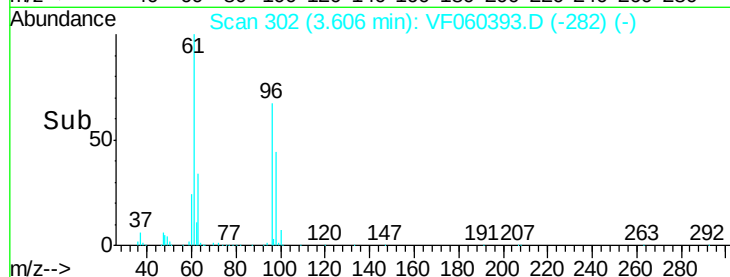
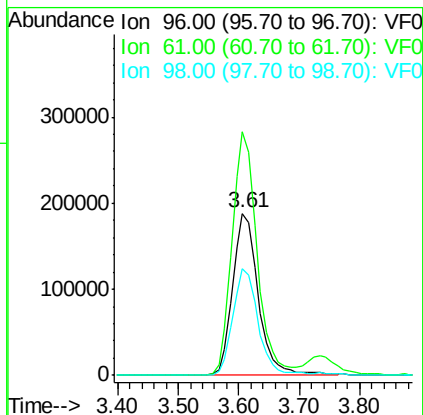
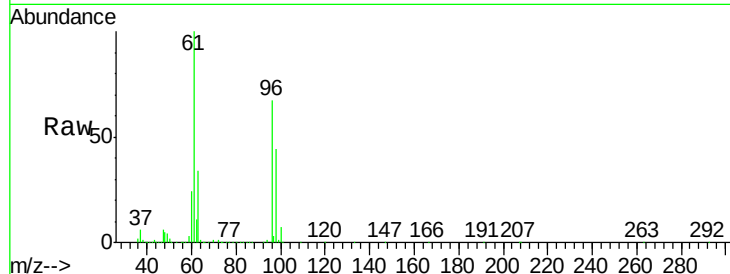


#27

cis-1,2-Dichloroethene
Concen: 129.083 ug/l
RT: 3.61 min Scan# 302
Delta R.T. -0.01 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

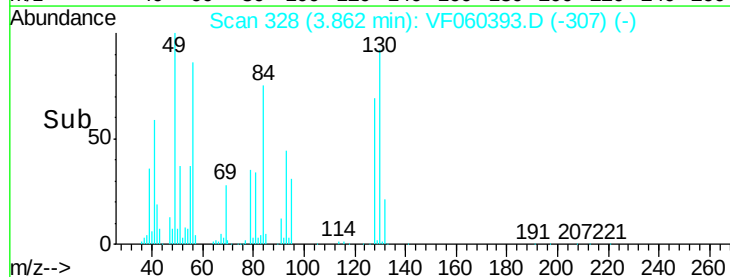
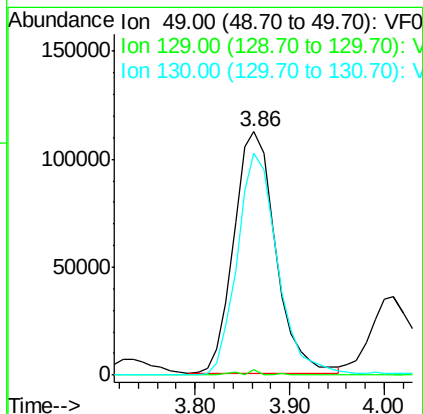
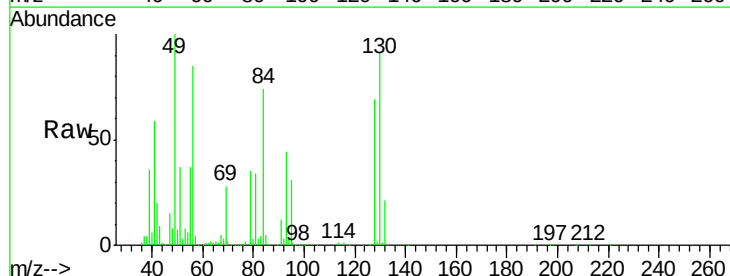
Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	318.2
98	66.0	0.0	134.0

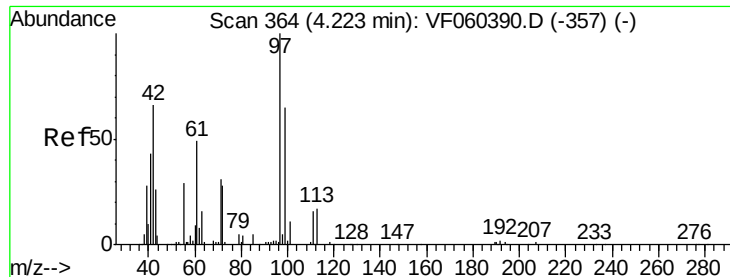


#28

Bromochloromethane
Concen: 127.512 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	91.1	67.3	100.9





#29

Tetrahydrofuran

Concen: 616.938 ug/l

RT: 4.22 min Scan# 364

Delta R.T. -0.01 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

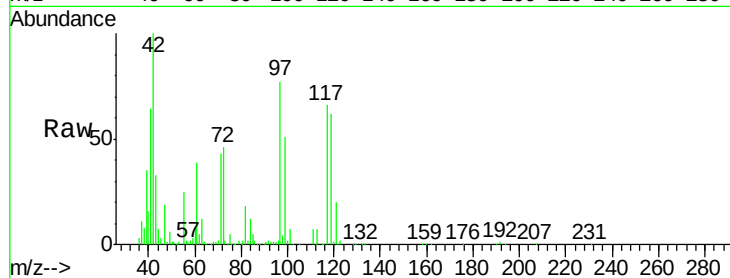
Tgt Ion: 42 Resp: 318792

Ion Ratio Lower Upper

42 100

72 41.7 33.6 50.4

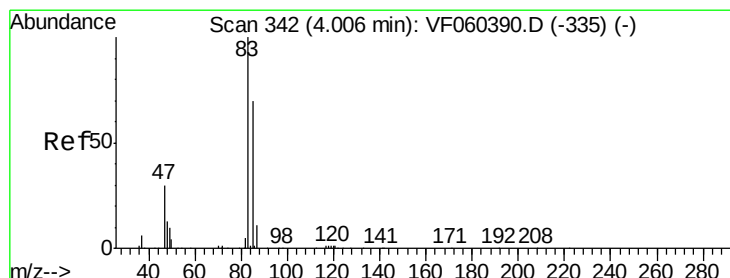
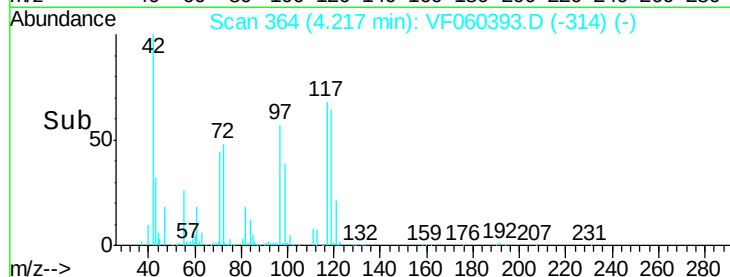
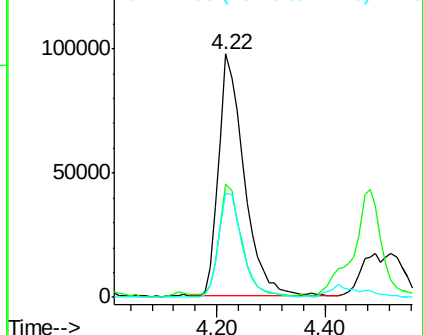
71 40.8 32.7 49.1



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 134.184 ug/l

RT: 4.01 min Scan# 343

Delta R.T. 0.00 min

Lab File: VF060393.D

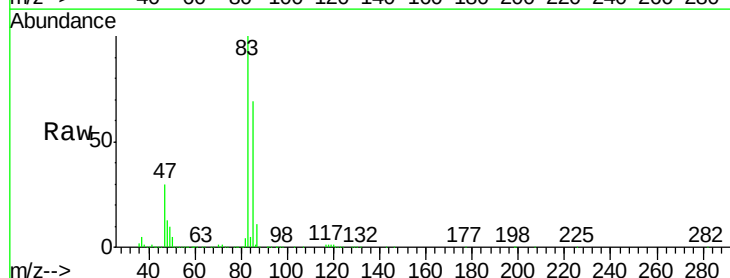
Acq: 1 Oct 2018 20:05

Tgt Ion: 83 Resp: 1117583

Ion Ratio Lower Upper

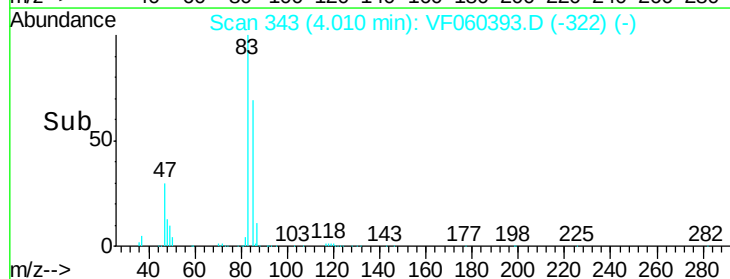
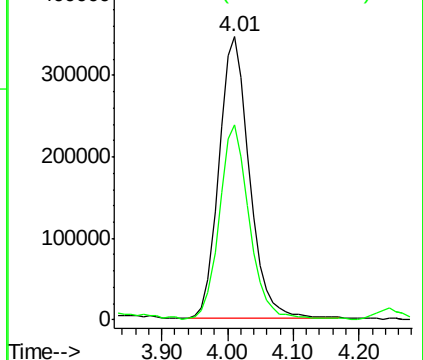
83 100

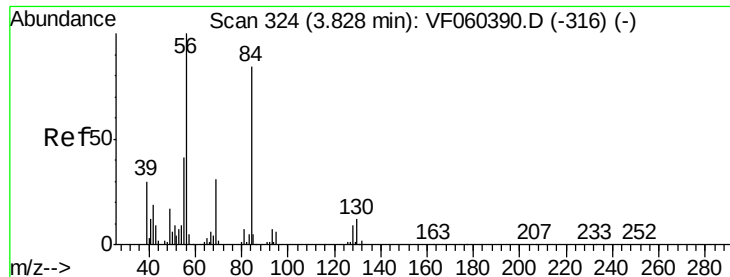
85 68.9 55.9 83.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

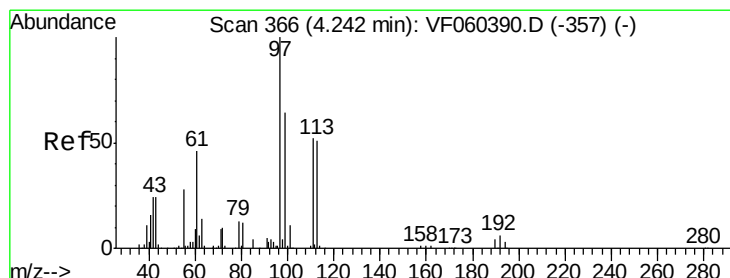
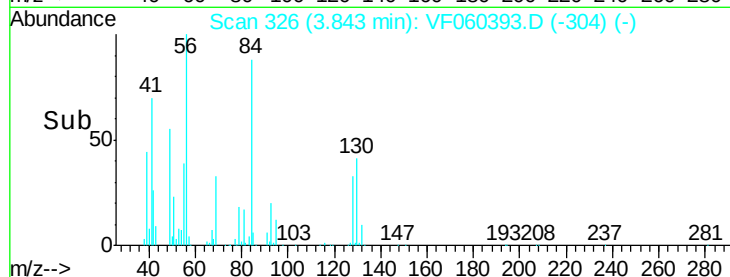
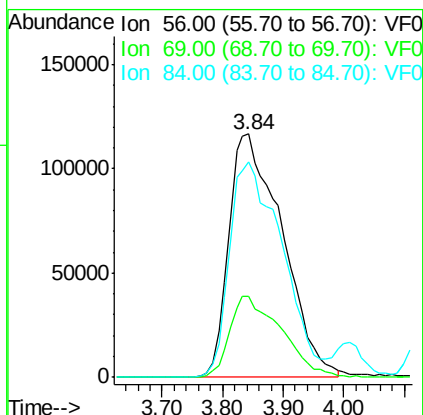
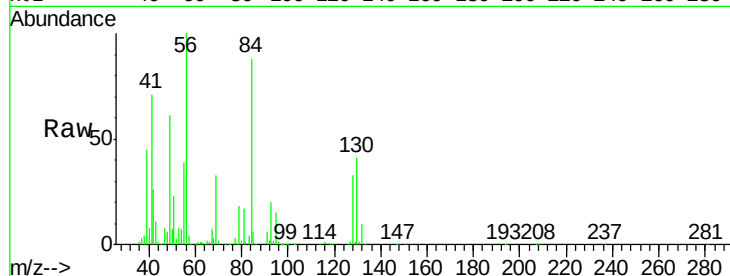




#31
Cyclohexane
Concen: 124.442 ug/l
RT: 3.84 min Scan# 326
Delta R.T. 0.01 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

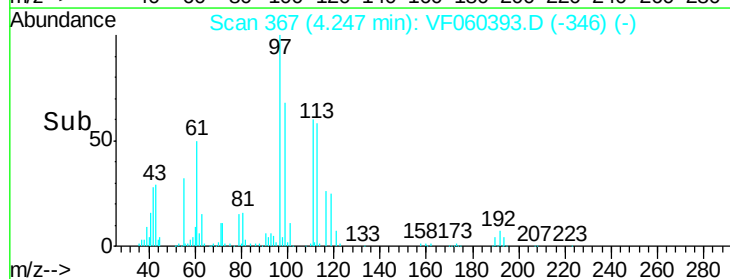
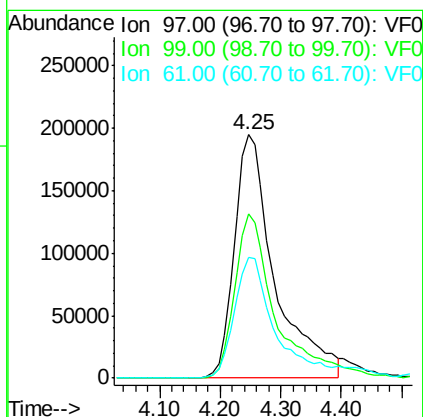
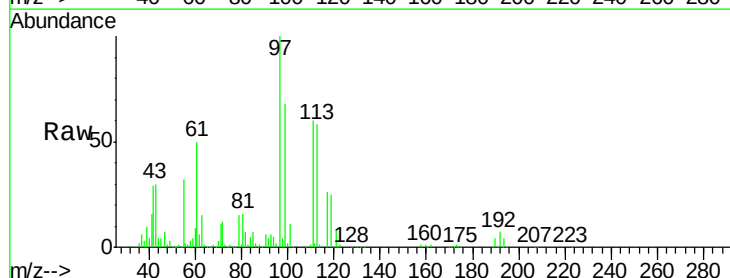
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

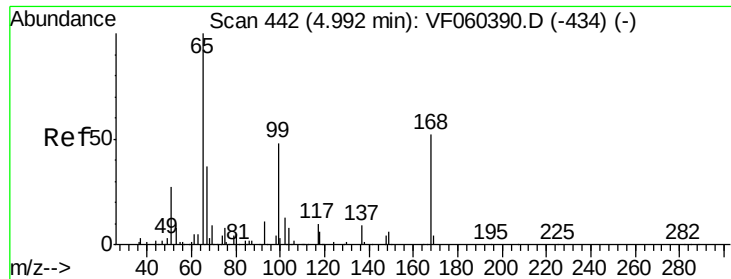
Tgt Ion: 56 Resp: 713089
Ion Ratio Lower Upper
56 100
69 33.4 25.5 38.3
84 88.3 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 135.979 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Tgt Ion: 97 Resp: 907459
Ion Ratio Lower Upper
97 100
99 67.7 51.0 76.4
61 49.6 37.5 56.3

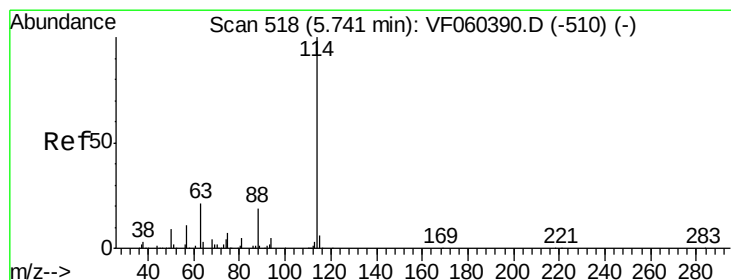
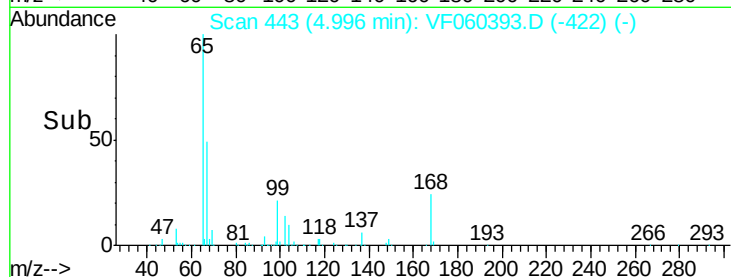
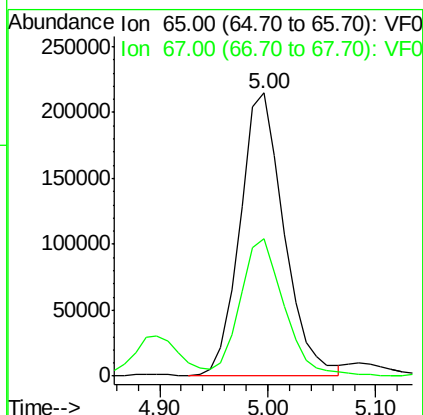
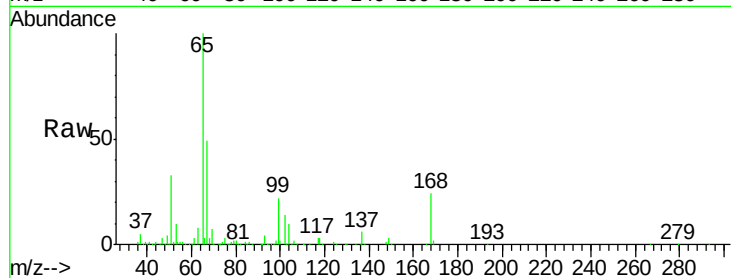




#33
 1,2-Dichloroethane-d4
 Concen: 153.879 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VF060393.D
 Acq: 1 Oct 2018 20:05

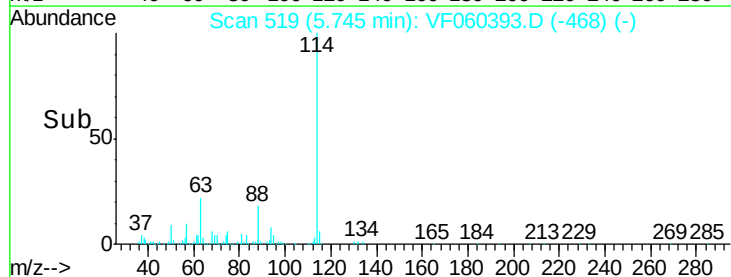
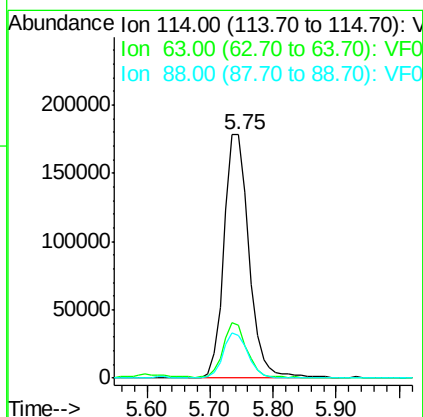
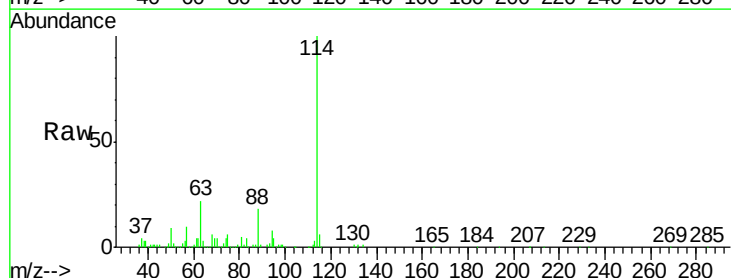
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

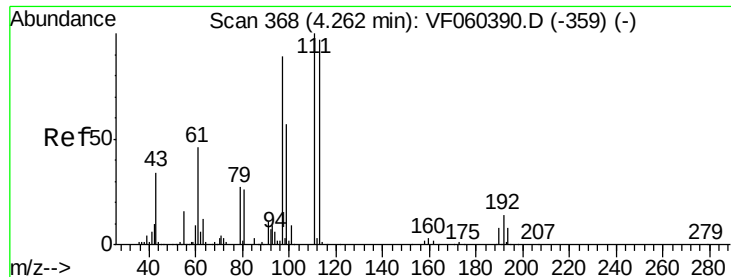
Tgt Ion: 65 Resp: 605951
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VF060393.D
 Acq: 1 Oct 2018 20:05

Tgt Ion: 114 Resp: 490332
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.2
 88 17.6 0.0 38.8

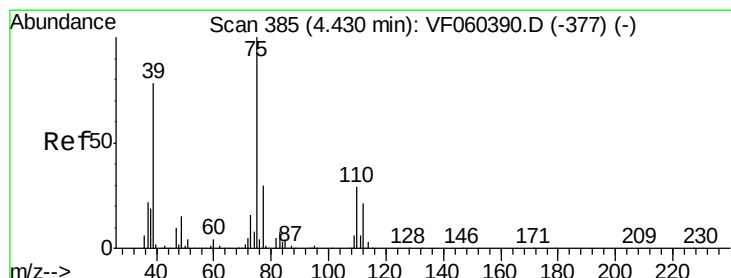
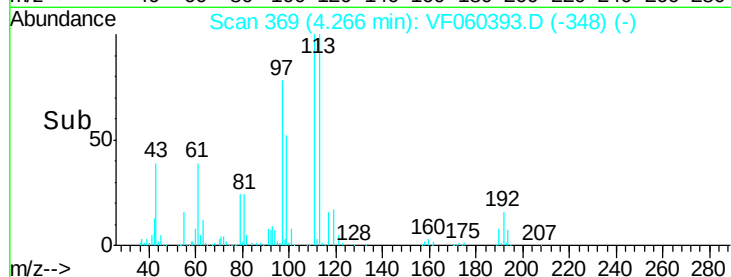
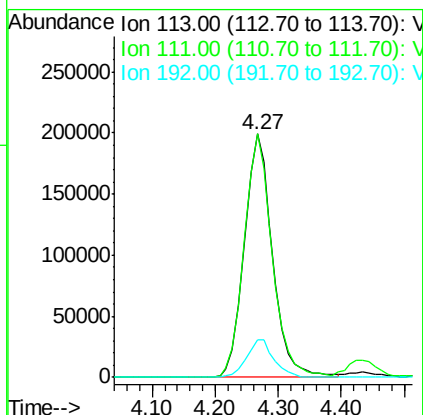
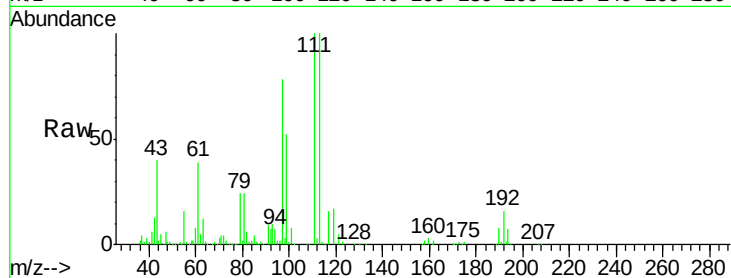




#35
 Dibromofluoromethane
 Concen: 138.752 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VF060393.D
 Acq: 1 Oct 2018 20:05

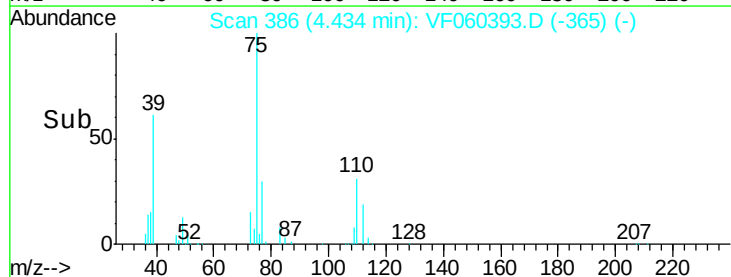
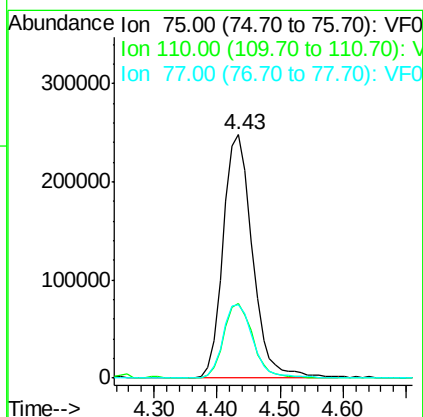
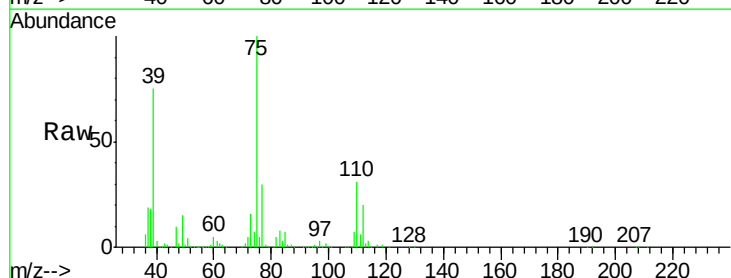
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

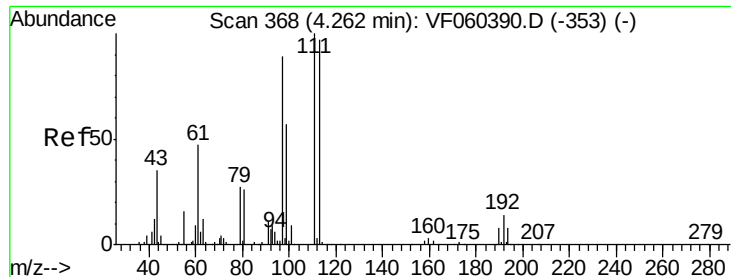
Tgt Ion:113 Resp: 618322
 Ion Ratio Lower Upper
 113 100
 111 99.9 82.3 123.5
 192 15.6 11.8 17.6



#36
 1,1-Dichloropropene
 Concen: 130.423 ug/l
 RT: 4.43 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VF060393.D
 Acq: 1 Oct 2018 20:05

Tgt Ion: 75 Resp: 804243
 Ion Ratio Lower Upper
 75 100
 110 30.9 14.5 43.6
 77 30.3 24.3 36.5

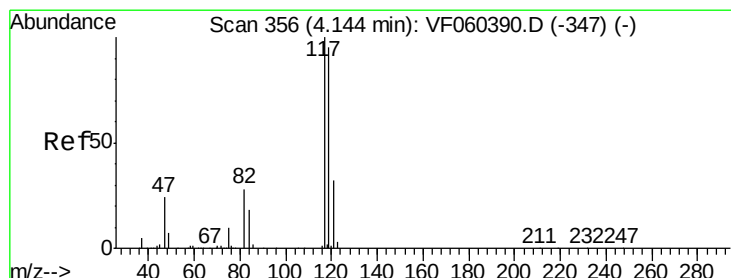
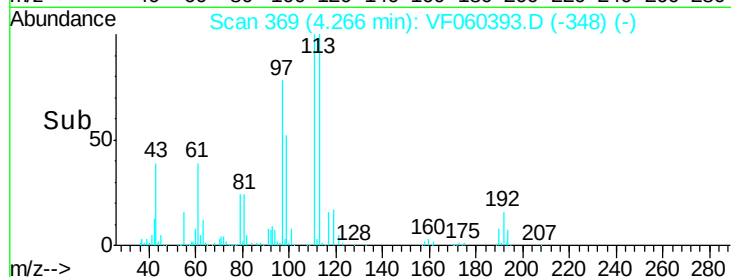
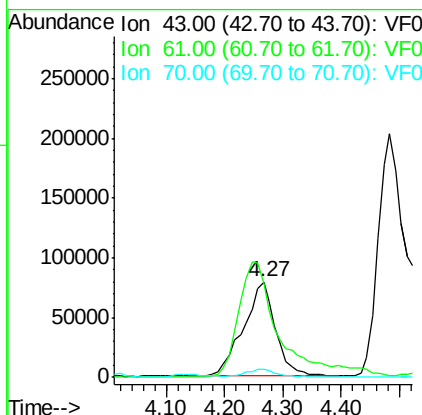
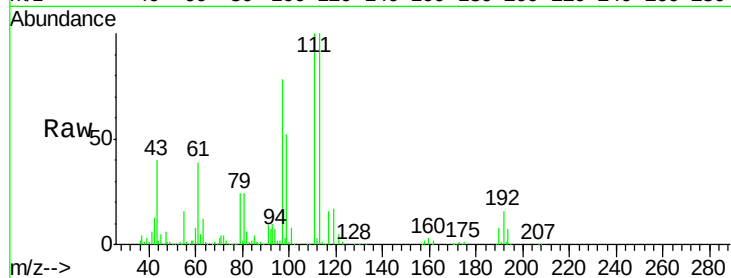




#37
Ethyl Acetate
Concen: 120.159 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

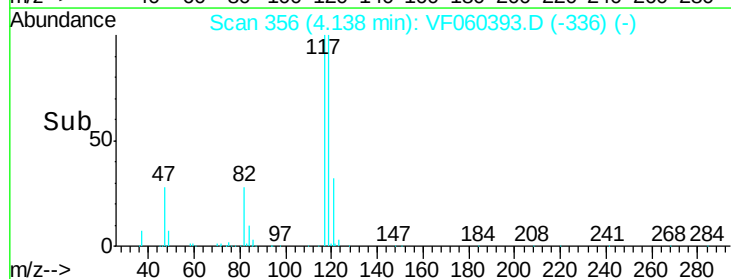
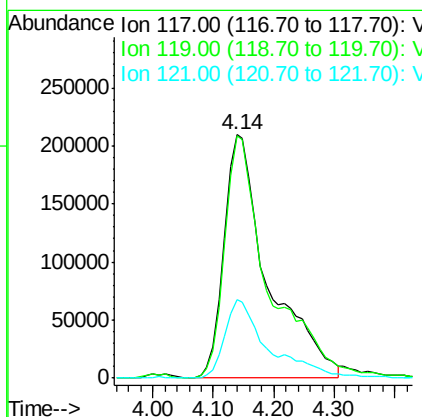
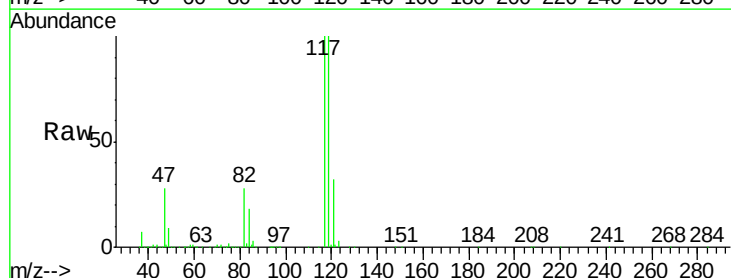
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

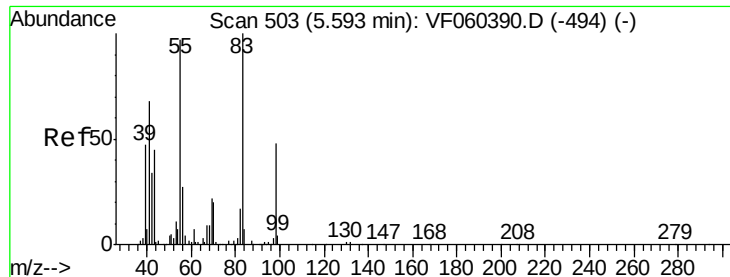
Tgt Ion: 43 Resp: 306163
Ion Ratio Lower Upper
43 100
61 98.3 105.1 157.7#
70 8.7 8.0 12.0



#38
Carbon Tetrachloride
Concen: 153.164 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Tgt Ion: 117 Resp: 1063183
Ion Ratio Lower Upper
117 100
119 99.5 75.5 113.3
121 32.4 25.4 38.0

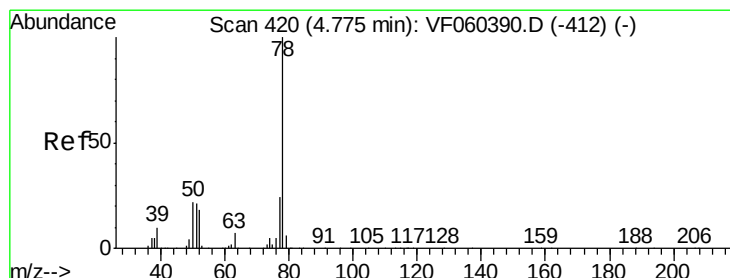
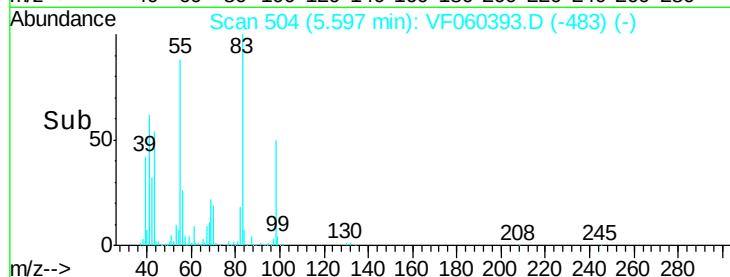
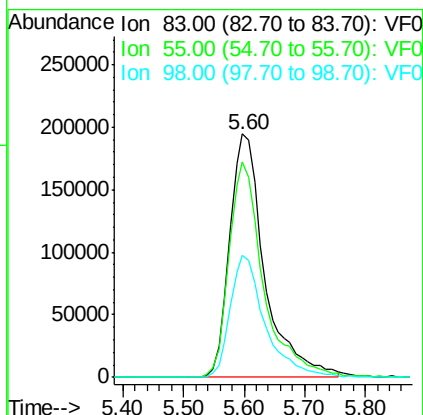
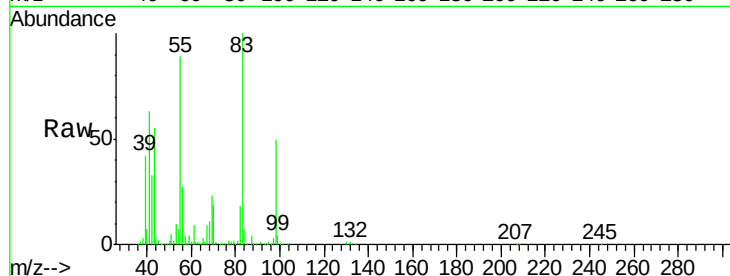




#39
Methylcyclohexane
Concen: 121.133 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

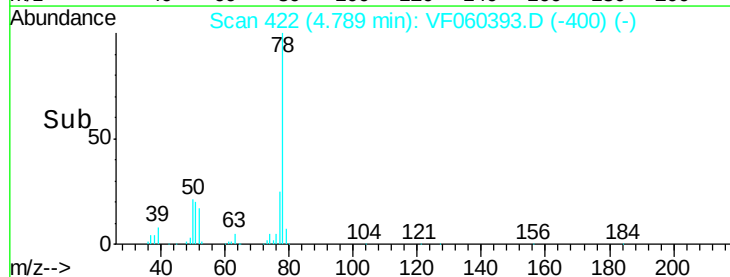
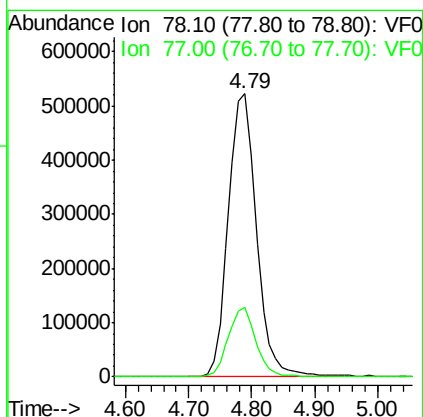
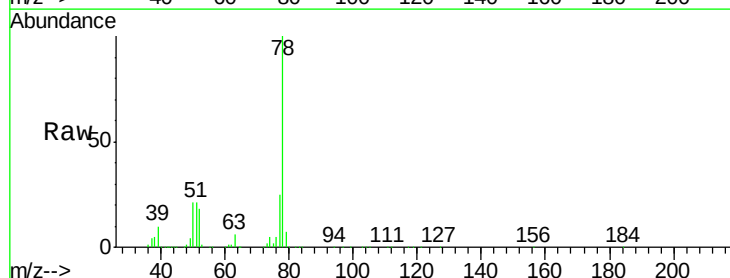
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

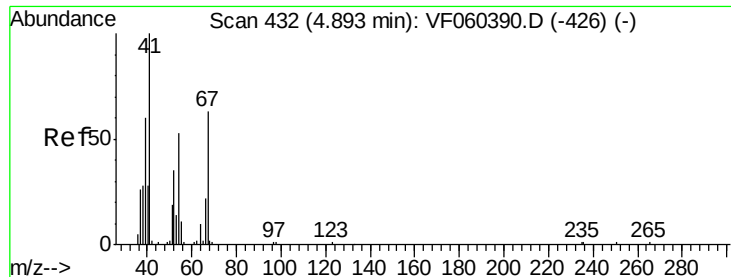
Tgt Ion: 83 Resp: 784895
Ion Ratio Lower Upper
83 100
55 88.6 77.5 116.3
98 50.1 38.7 58.1



#40
Benzene
Concen: 119.670 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.01 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Tgt Ion: 78 Resp: 1623033
Ion Ratio Lower Upper
78 100
77 24.7 19.2 28.8

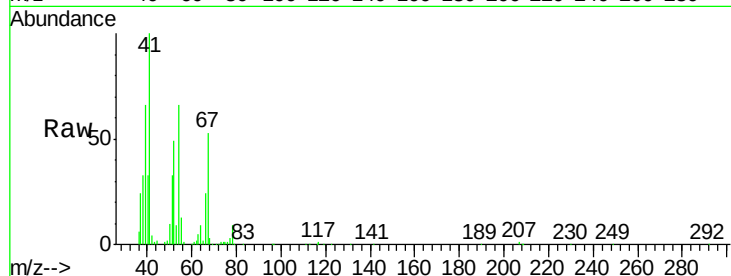




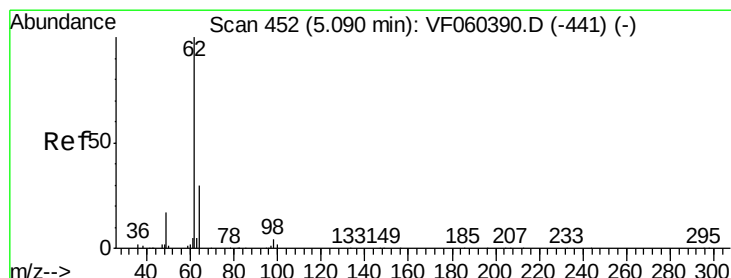
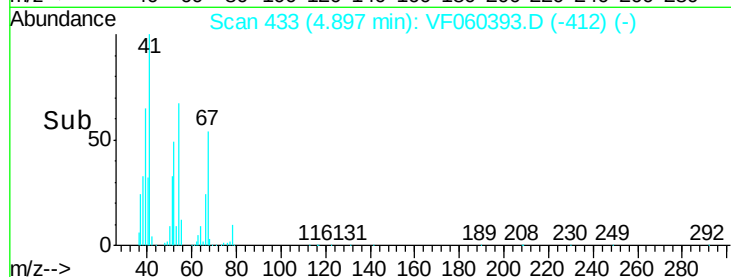
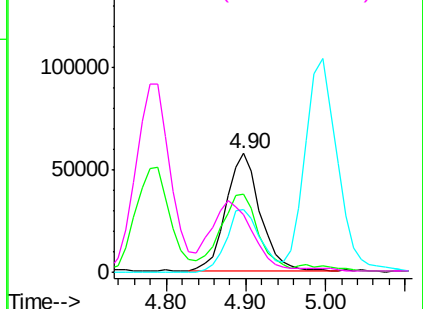
#41
Methacrylonitrile
Concen: 126.842 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:	41	Resp:	173370
Ion	Ratio	Lower	Upper
41	100		
39	65.7	55.0	82.4
67	53.2	49.6	74.4
52	48.7	38.8	58.2

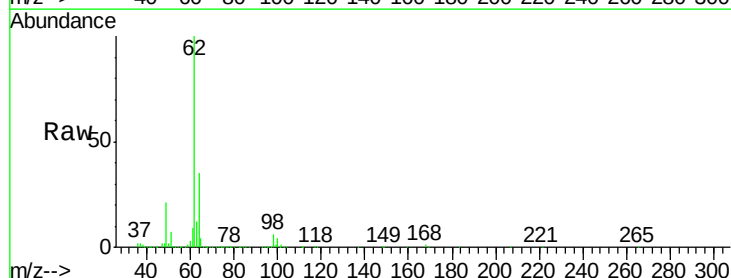


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

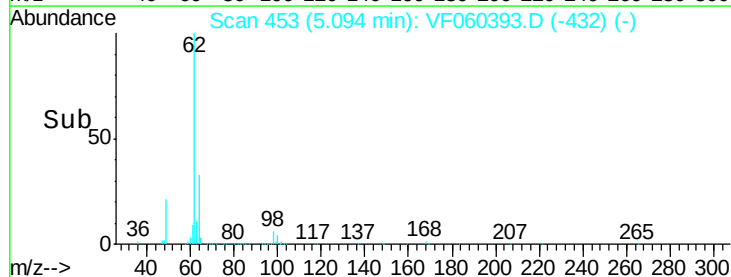
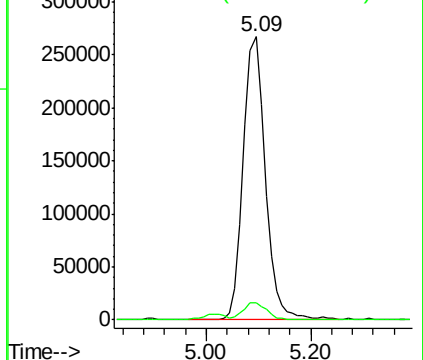


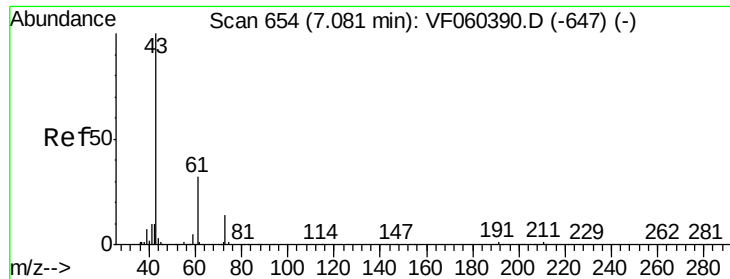
#42
1,2-Dichloroethane
Concen: 144.952 ug/l
RT: 5.09 min Scan# 453
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Tgt Ion:	62	Resp:	761105
Ion	Ratio	Lower	Upper
62	100		
98	6.2	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: 135.020 ug/l

RT: 7.09 min Scan# 655

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

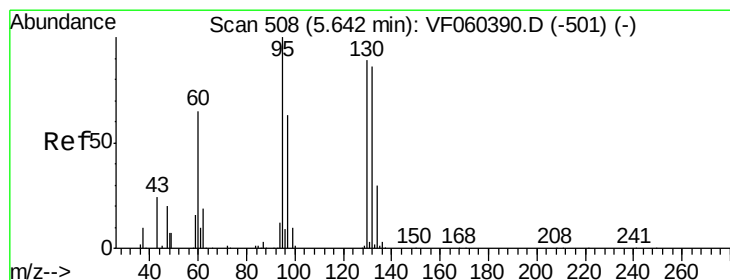
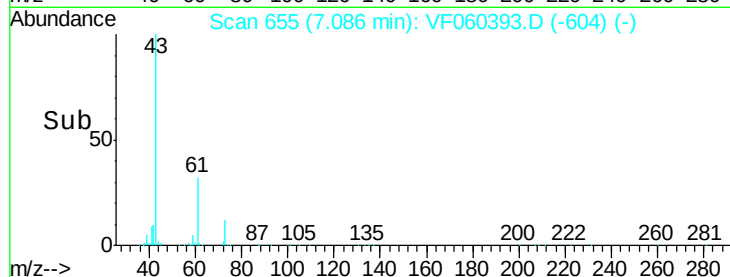
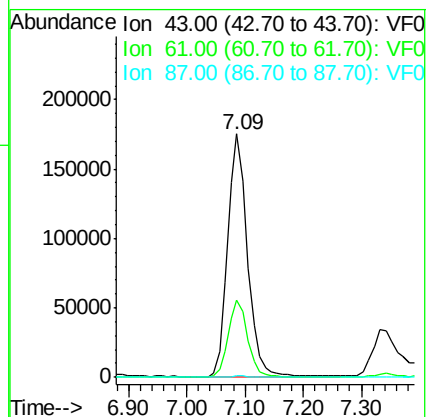
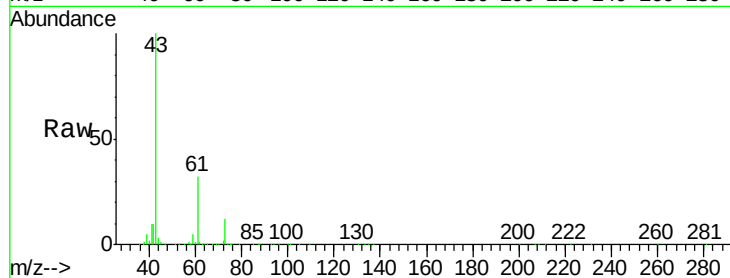
Tgt Ion: 43 Resp: 414589

Ion Ratio Lower Upper

43 100

61 31.5 25.4 38.2

87 0.4 0.3 0.5



#44

Trichloroethene

Concen: 121.682 ug/l

RT: 5.65 min Scan# 509

Delta R.T. 0.00 min

Lab File: VF060393.D

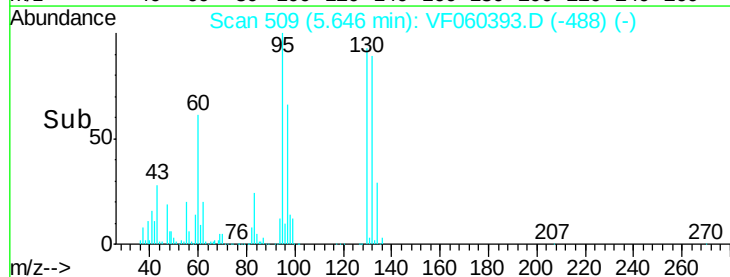
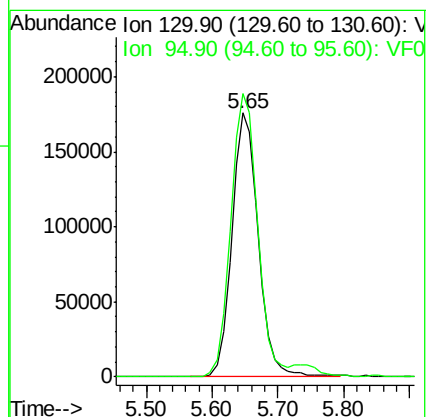
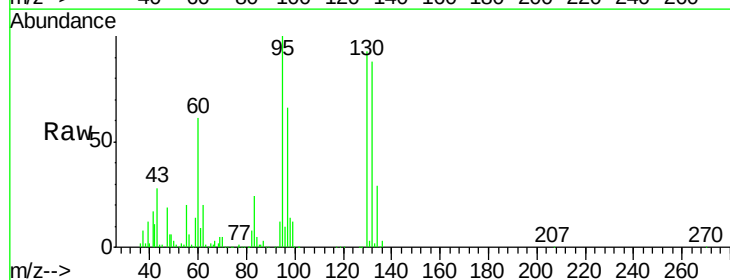
Acq: 1 Oct 2018 20:05

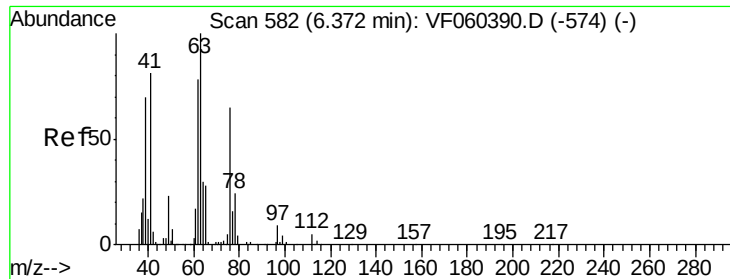
Tgt Ion: 130 Resp: 494389

Ion Ratio Lower Upper

130 100

95 107.4 0.0 224.4





#45

1,2-Dichloropropane

Concen: 125.781 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

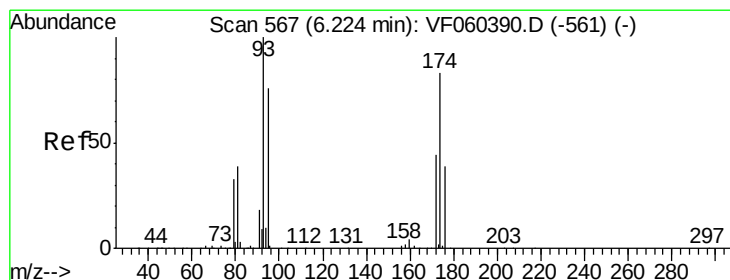
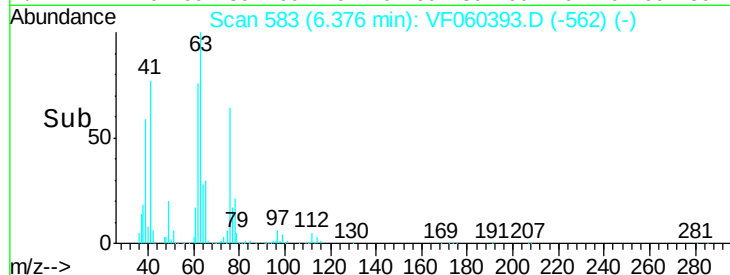
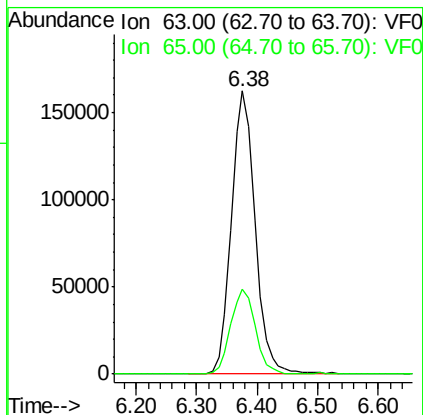
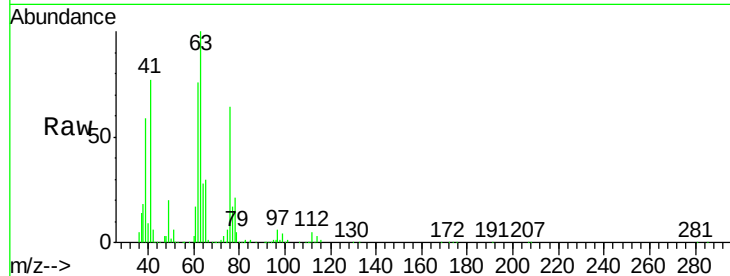
VSTDIC150

Tgt Ion: 63 Resp: 444433

Ion Ratio Lower Upper

63 100

65 30.2 22.7 34.1



#46

Dibromomethane

Concen: 130.972 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

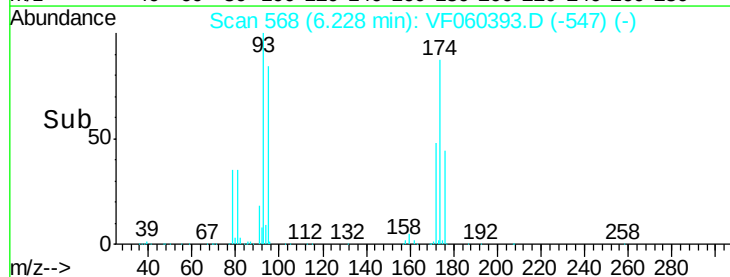
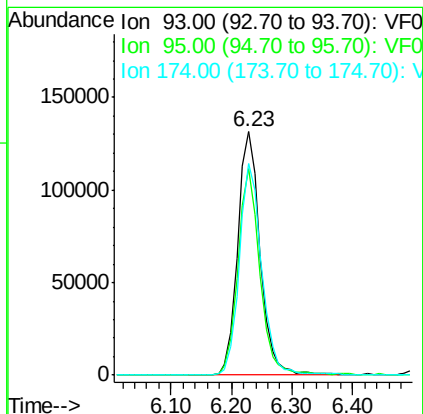
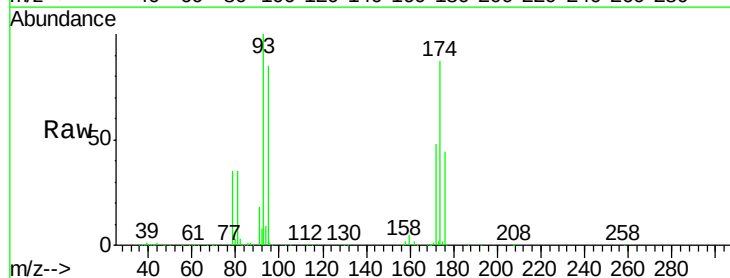
Tgt Ion: 93 Resp: 338055

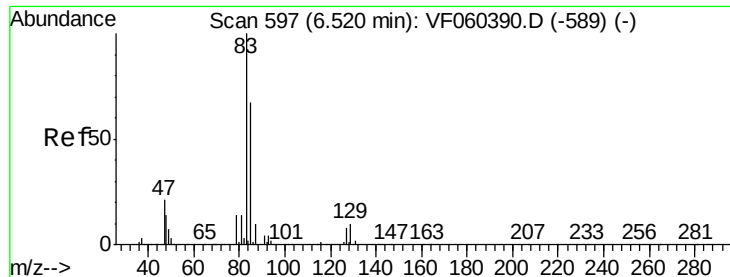
Ion Ratio Lower Upper

93 100

95 85.7 61.1 91.7

174 86.8 66.7 100.1





#47

Bromodichloromethane

Concen: 131.767 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

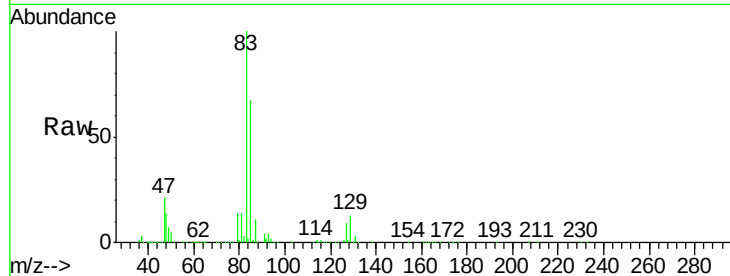
Tgt Ion: 83 Resp: 821284

Ion Ratio Lower Upper

83 100

85 66.6 53.2 79.8

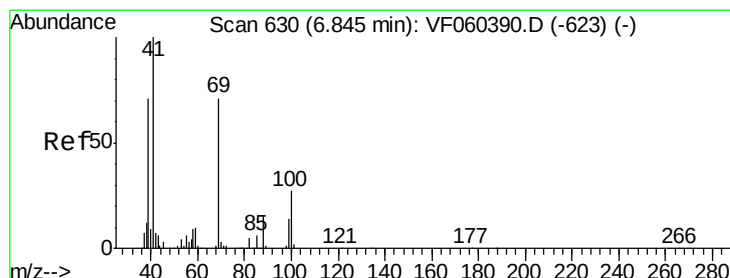
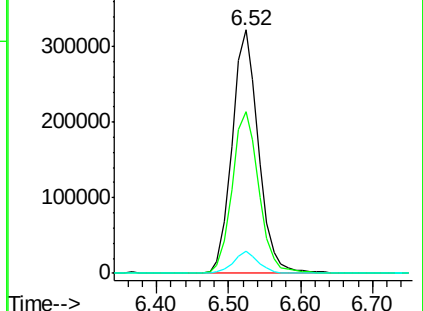
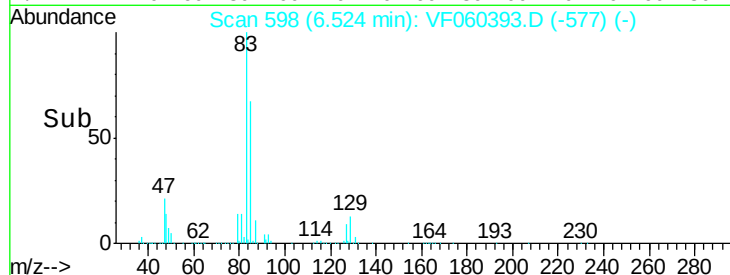
127 8.9 6.6 9.8



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: 125.569 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

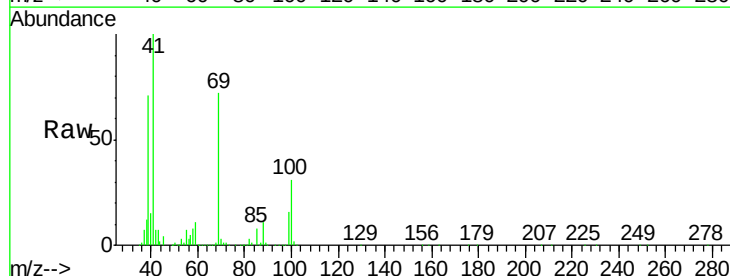
Tgt Ion: 41 Resp: 274237

Ion Ratio Lower Upper

41 100

69 72.3 56.3 84.5

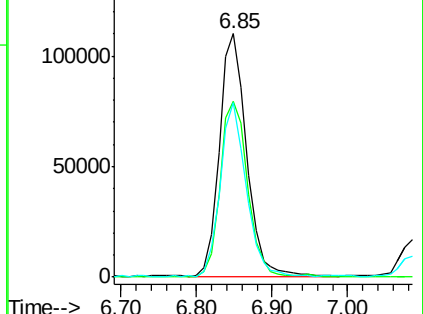
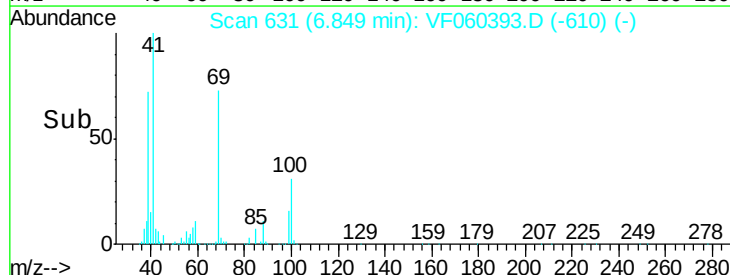
39 71.5 56.9 85.3

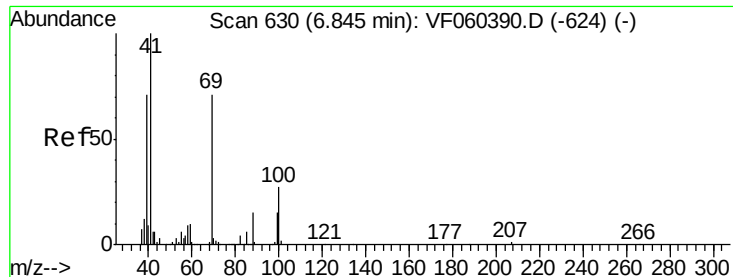


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

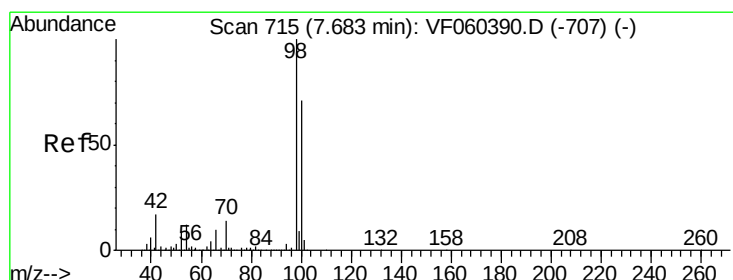
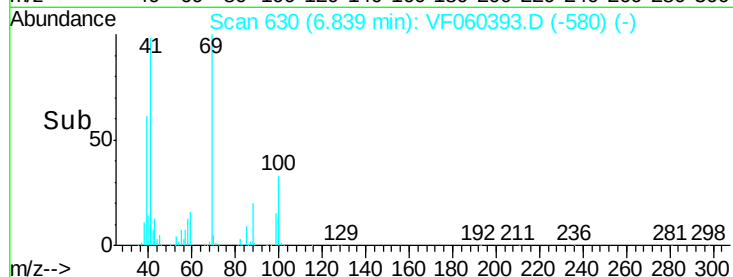
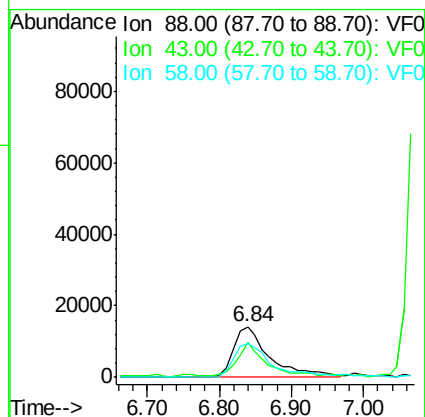
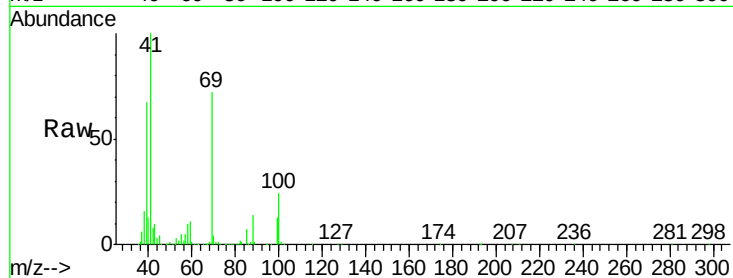




#49
1,4-Dioxane
Concen: 2566.622 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.01 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

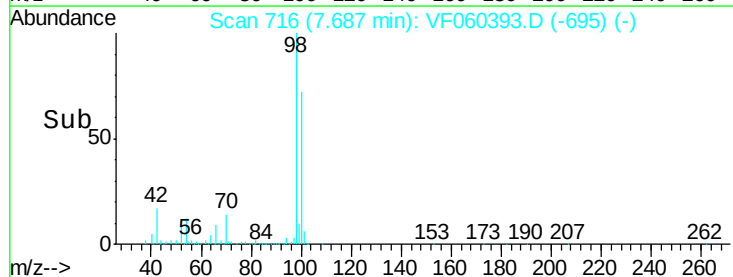
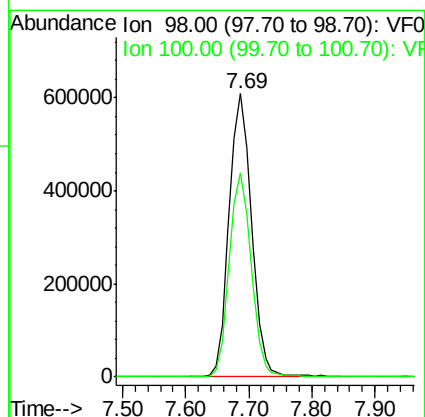
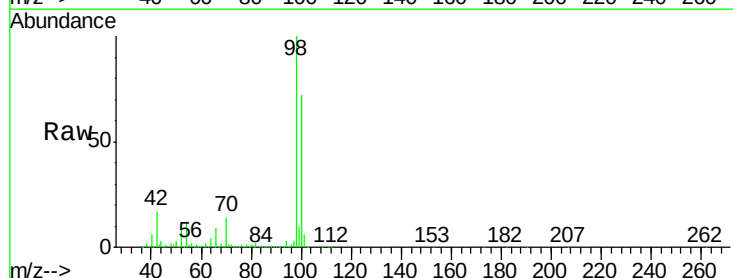
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

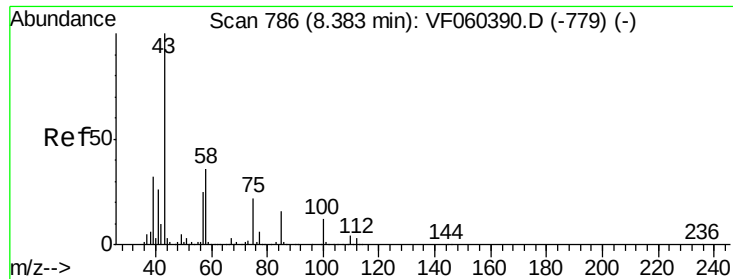
Tgt Ion: 88 Resp: 49607
Ion Ratio Lower Upper
88 100
43 69.1 38.3 57.5#
58 67.6 47.4 71.2



#50
Toluene-d8
Concen: 131.433 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Tgt Ion: 98 Resp: 1503730
Ion Ratio Lower Upper
98 100
100 71.9 56.5 84.7

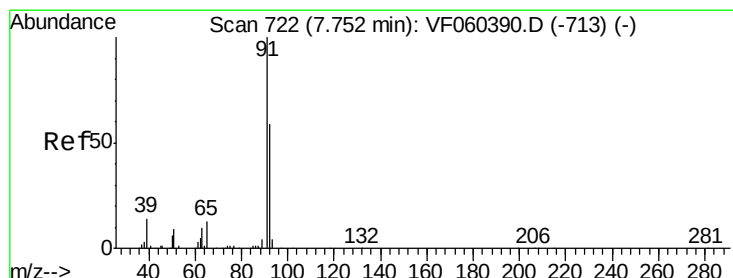
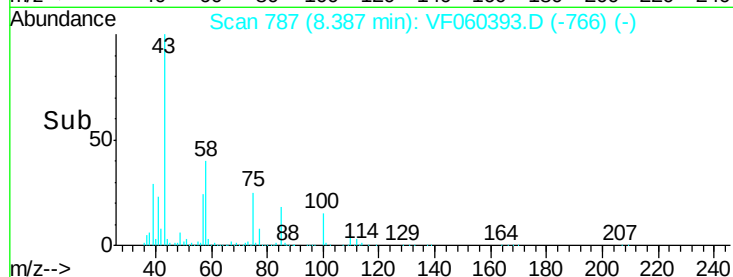
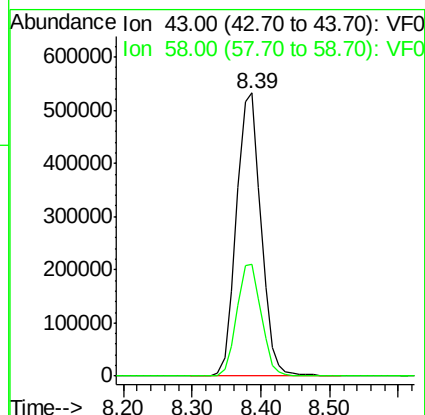
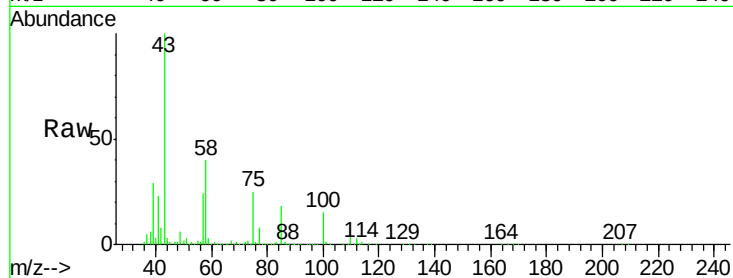




#51
 4-Methyl-2-Pentanone
 Concen: 572.047 ug/l
 RT: 8.39 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: VF060393.D
 Acq: 1 Oct 2018 20:05

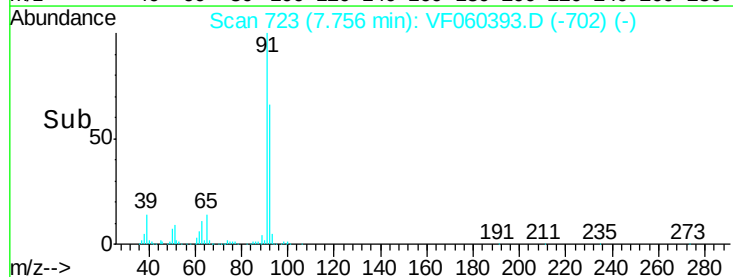
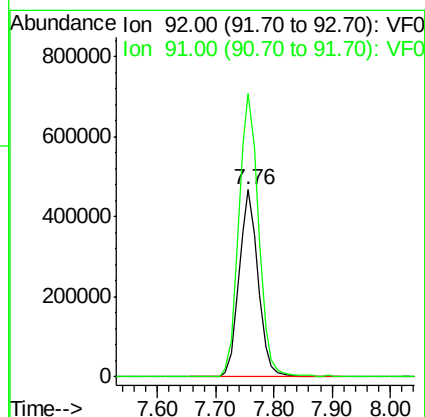
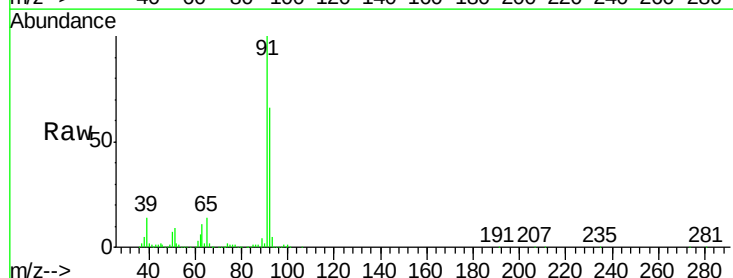
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

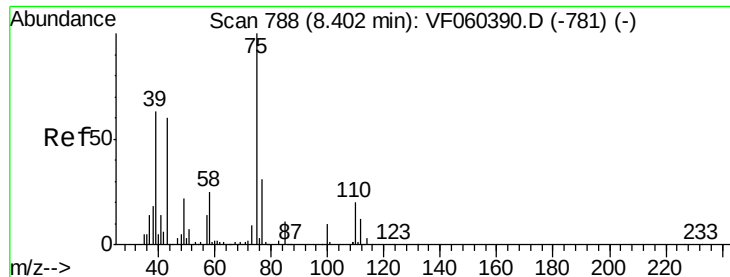
Tgt Ion: 43 Resp: 1318591
 Ion Ratio Lower Upper
 43 100
 58 39.7 28.5 42.7



#52
 Toluene
 Concen: 122.536 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VF060393.D
 Acq: 1 Oct 2018 20:05

Tgt Ion: 92 Resp: 1060528
 Ion Ratio Lower Upper
 92 100
 91 151.1 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 131.987 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

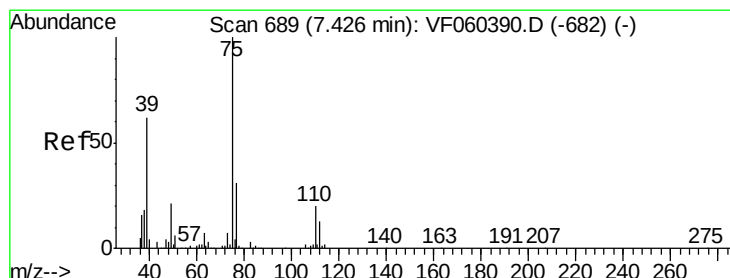
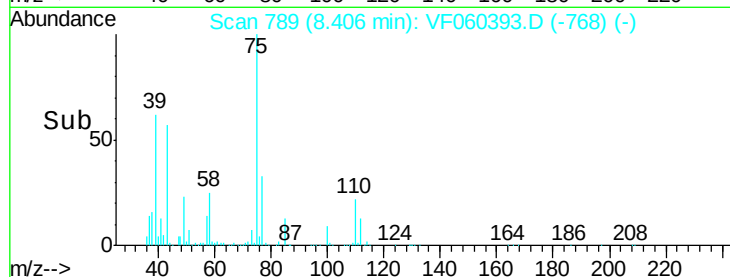
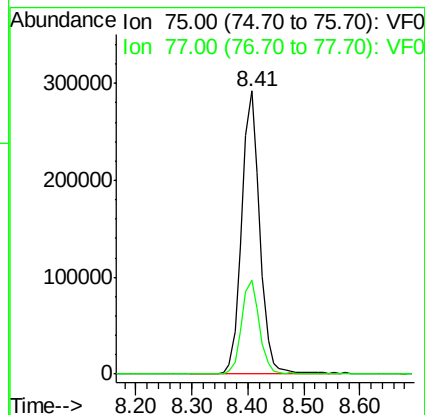
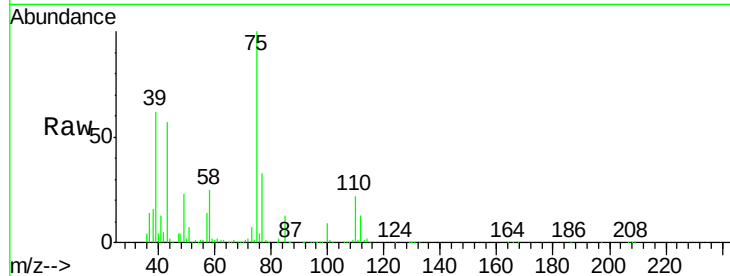
VSTDIC150

Tgt Ion: 75 Resp: 655807

Ion Ratio Lower Upper

75 100

77 33.1 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 122.538 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

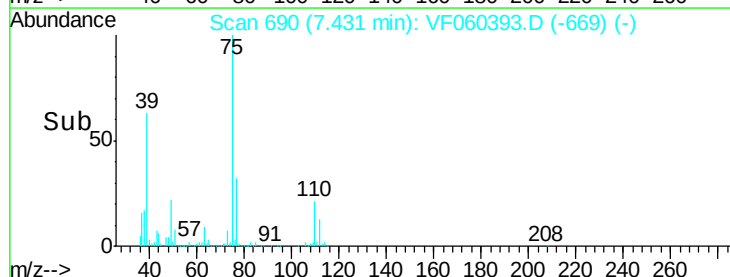
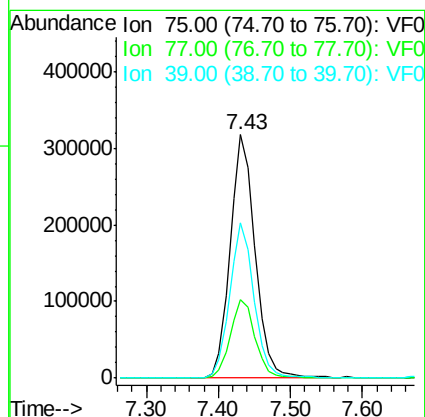
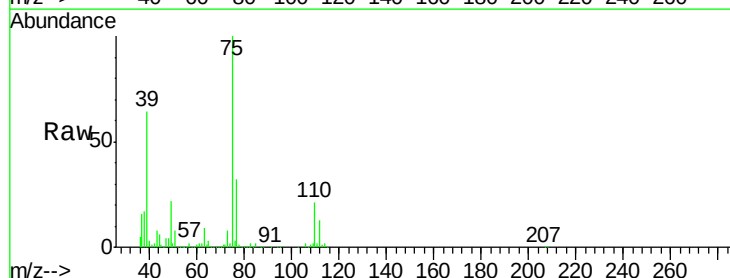
Tgt Ion: 75 Resp: 763980

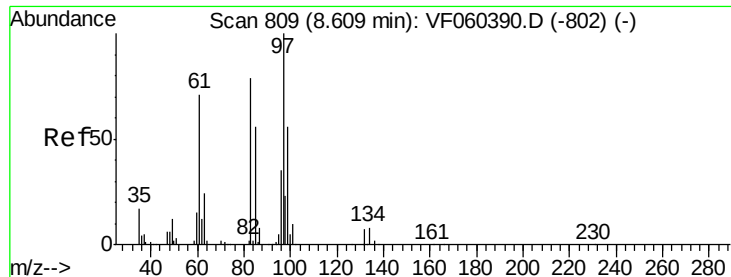
Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8

39 63.6 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 131.234 ug/l

RT: 8.61 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 344617

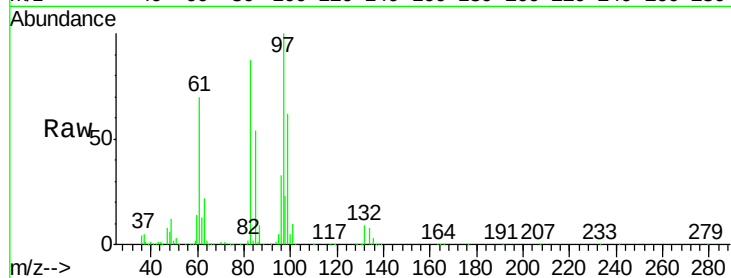
Ion Ratio Lower Upper

97 100

83 87.0 63.4 95.0

85 54.3 44.5 66.7

99 61.8 45.1 67.7

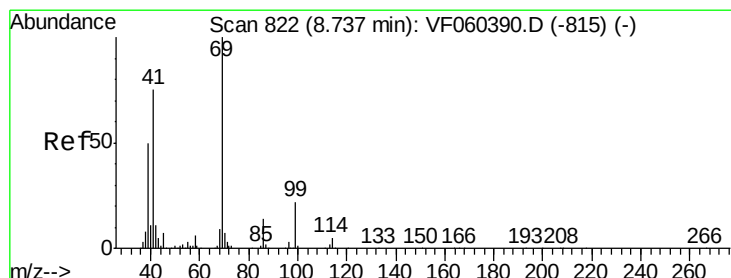
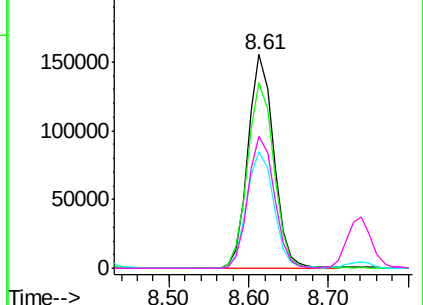
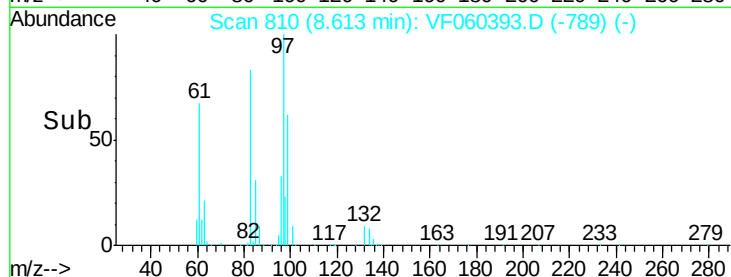


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 129.498 ug/l

RT: 8.74 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

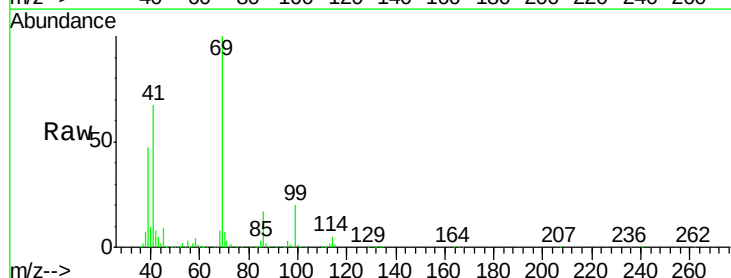
Tgt Ion: 69 Resp: 411155

Ion Ratio Lower Upper

69 100

41 66.6 60.2 90.4

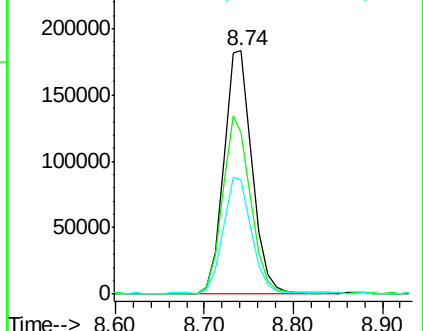
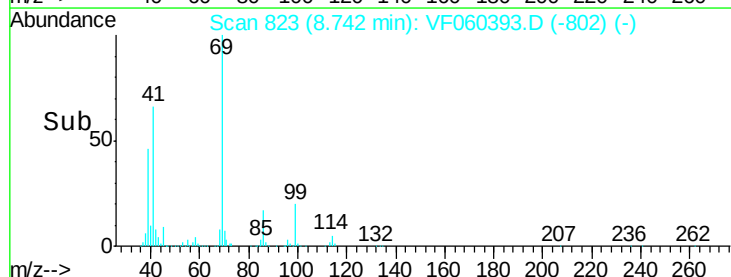
39 46.8 40.2 60.2

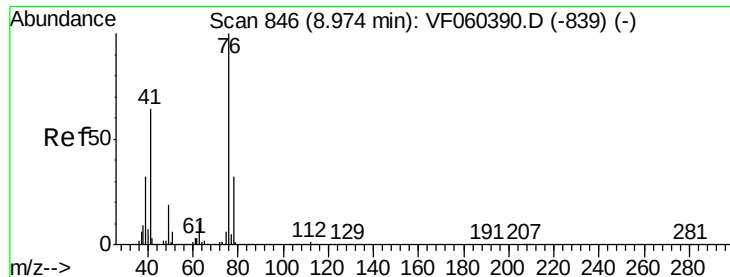


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 134.558 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

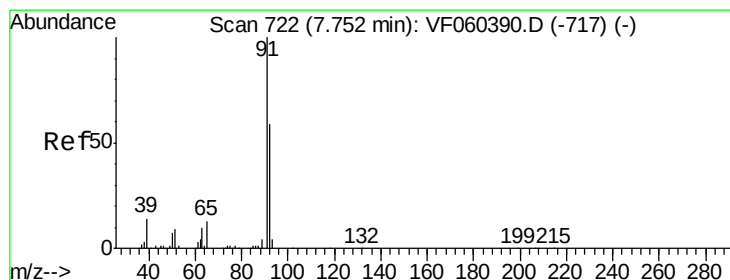
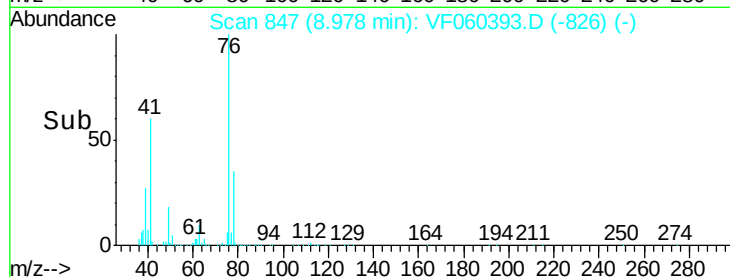
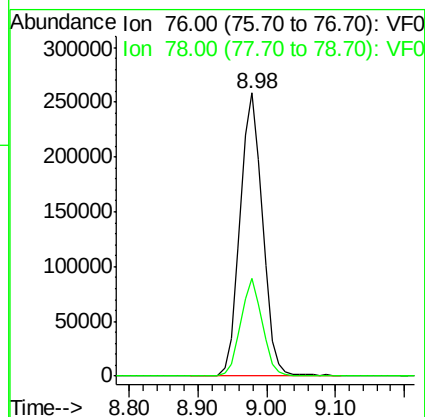
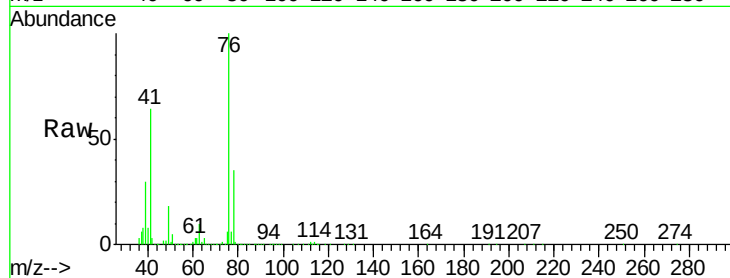
VSTDIC150

Tgt Ion: 76 Resp: 587589

Ion Ratio Lower Upper

76 100

78 34.6 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 635.902 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060393.D

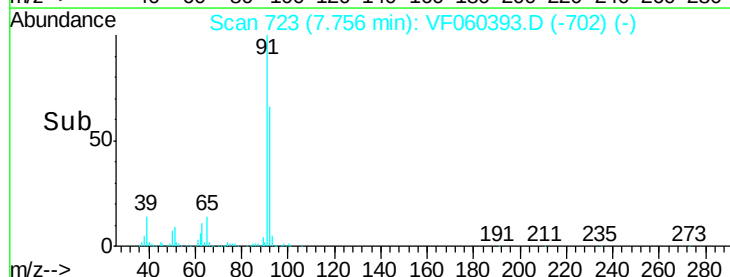
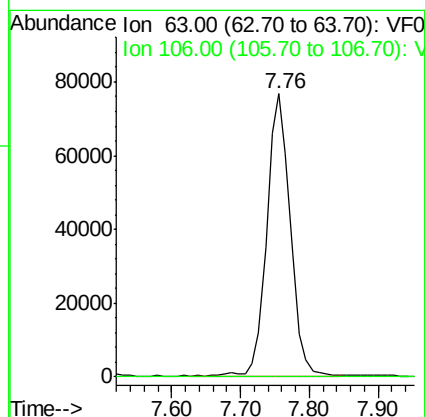
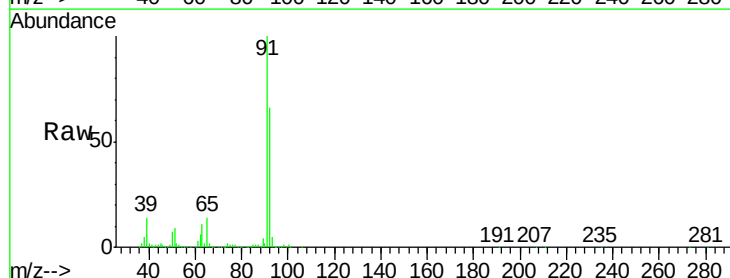
Acq: 1 Oct 2018 20:05

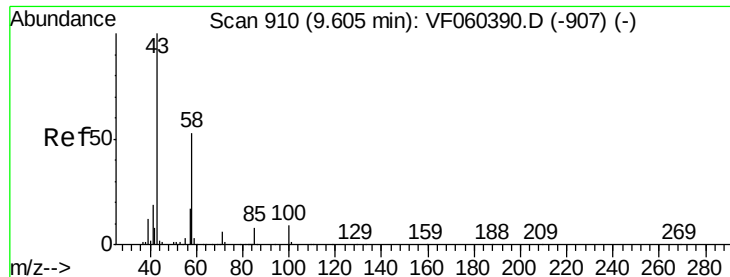
Tgt Ion: 63 Resp: 182998

Ion Ratio Lower Upper

63 100

106 0.1 0.0 0.0#

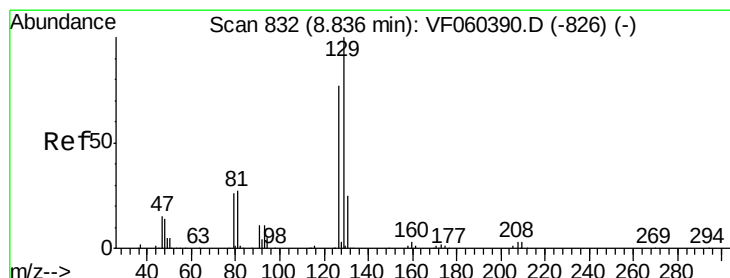
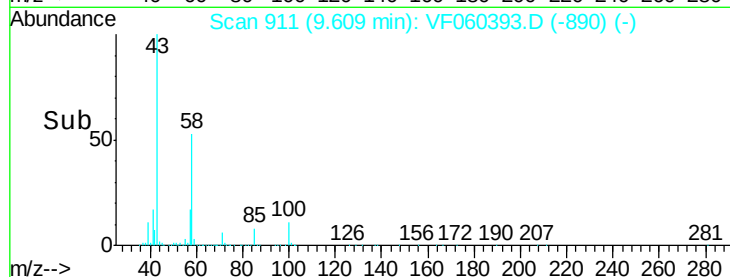
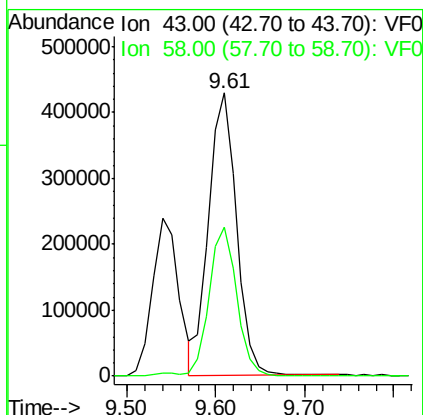
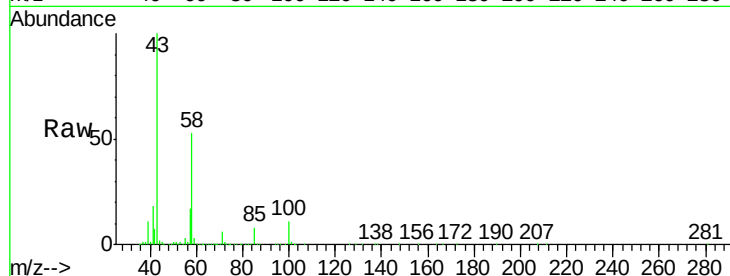




#59
2-Hexanone
Concen: 573.057 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

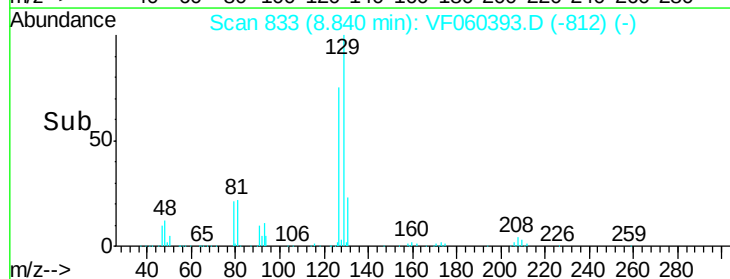
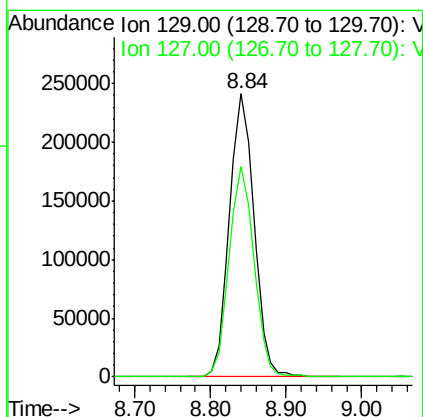
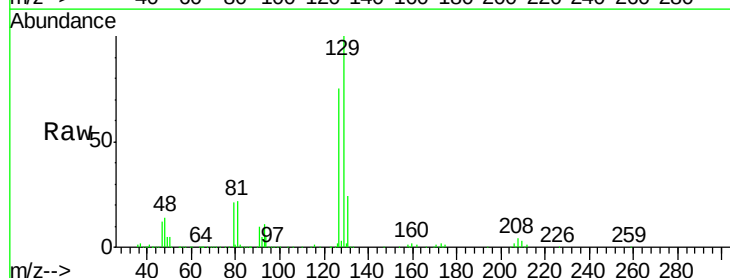
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

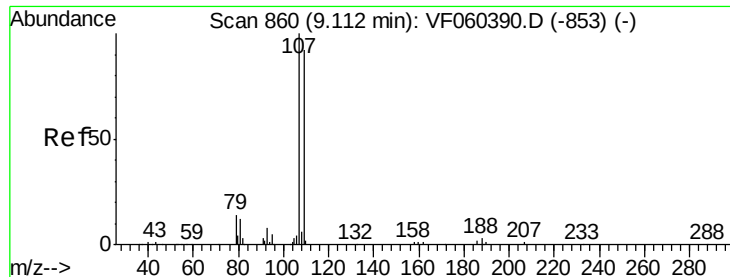
Tgt Ion: 43 Resp: 934011
Ion Ratio Lower Upper
43 100
58 52.6 25.6 76.6



#60
Dibromochloromethane
Concen: 137.588 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Tgt Ion: 129 Resp: 544513
Ion Ratio Lower Upper
129 100
127 74.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 135.639 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

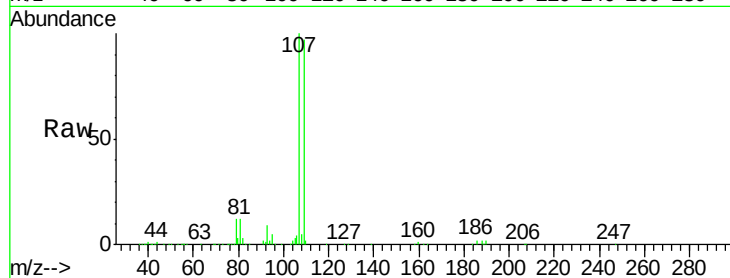
VSTDIC150

Tgt Ion: 107 Resp: 401081

Ion Ratio Lower Upper

107 100

109 97.1 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

200000

150000

100000

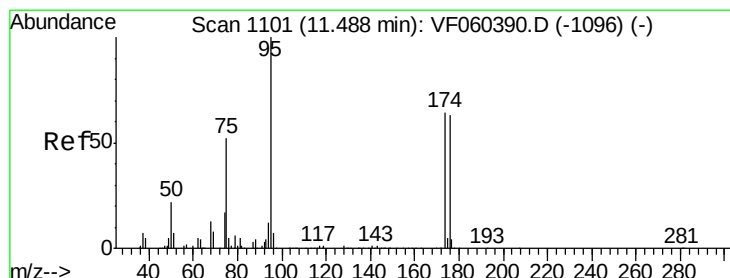
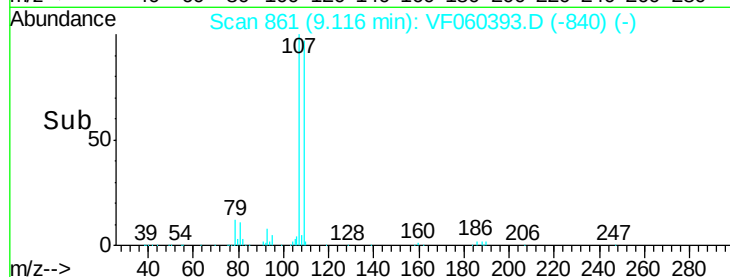
50000

0

9.12

9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 132.458 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

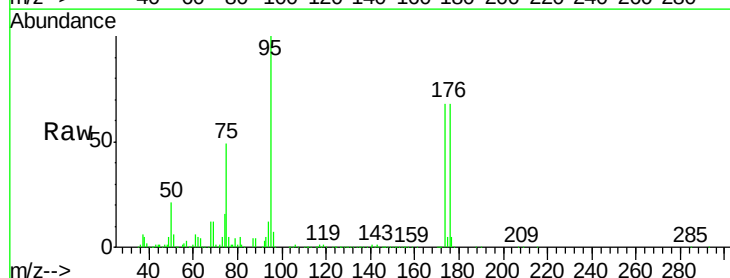
Tgt Ion: 95 Resp: 660599

Ion Ratio Lower Upper

95 100

174 68.3 0.0 129.0

176 67.7 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

500000

400000

300000

200000

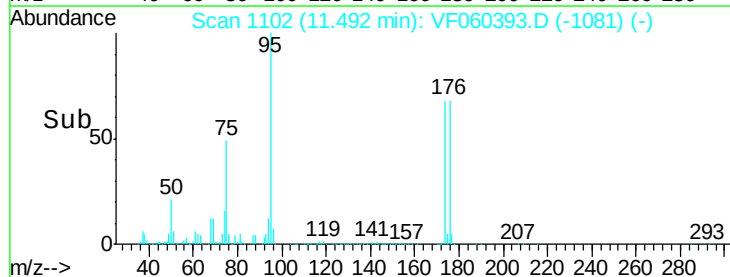
100000

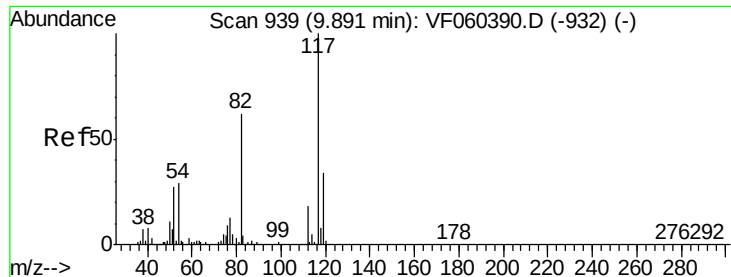
0

11.49

11.40 11.50 11.60 11.70

Time-->

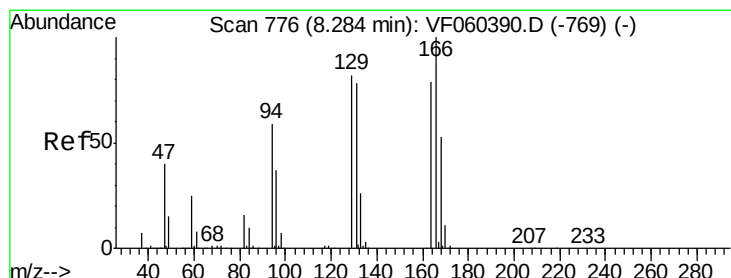
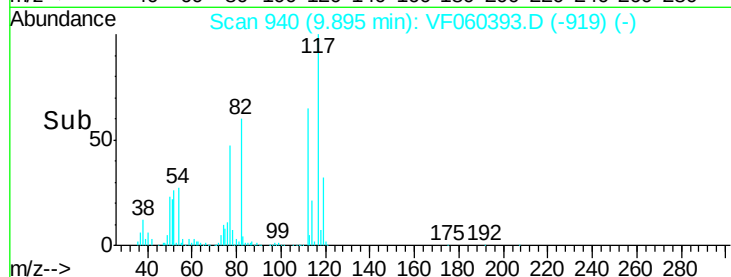
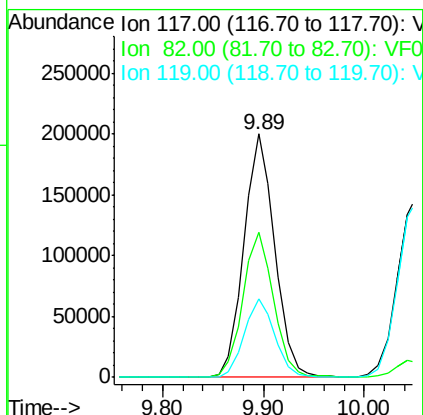
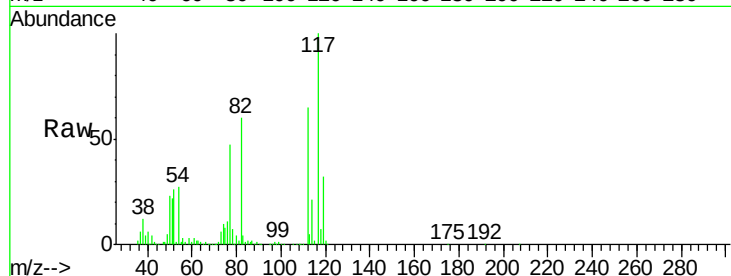




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

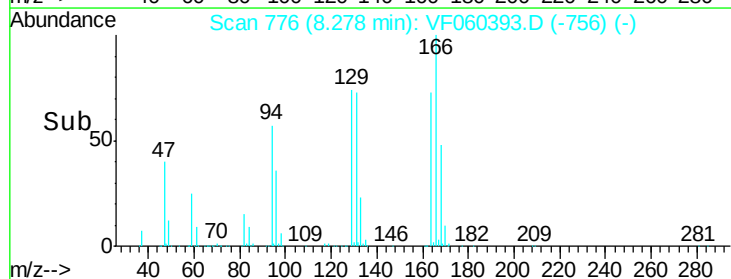
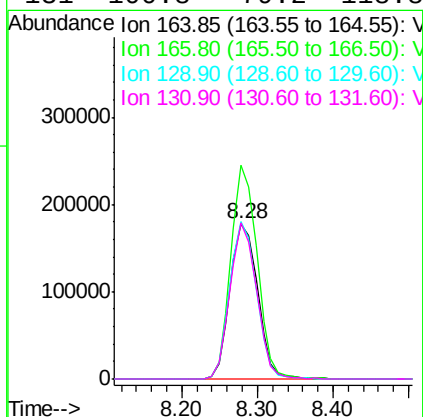
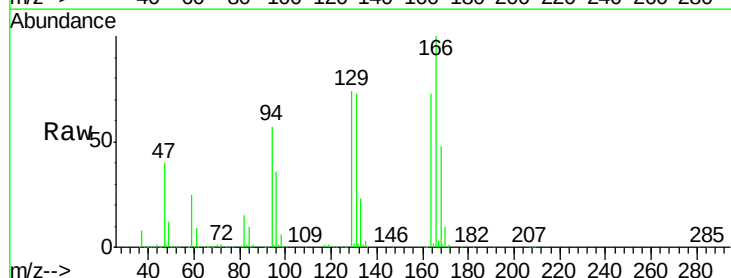
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

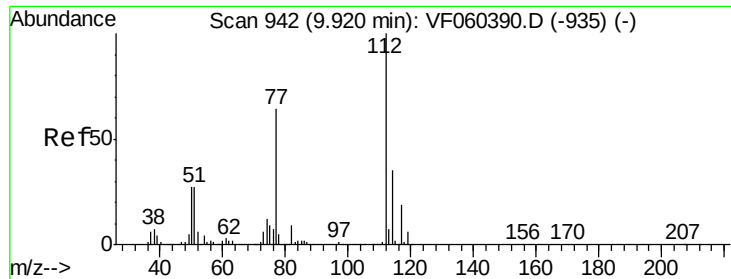
Tgt Ion:117 Resp: 425857
Ion Ratio Lower Upper
117 100
82 59.8 49.5 74.3
119 32.1 27.0 40.6



#64
Tetrachloroethene
Concen: 118.953 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.01 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Tgt Ion:164 Resp: 452224
Ion Ratio Lower Upper
164 100
166 137.7 101.0 151.6
129 101.8 82.5 123.7
131 100.8 79.2 118.8

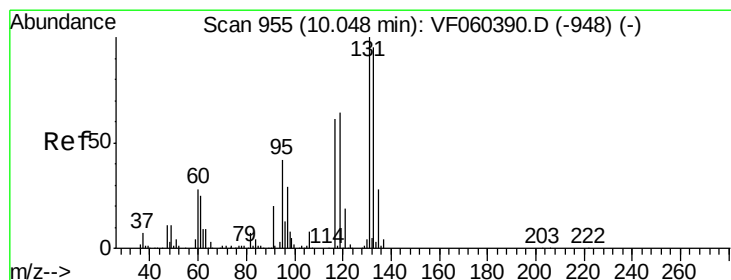
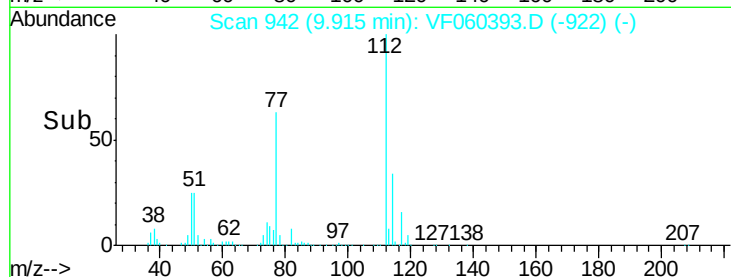
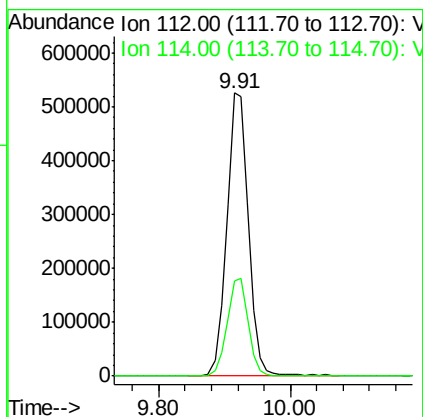
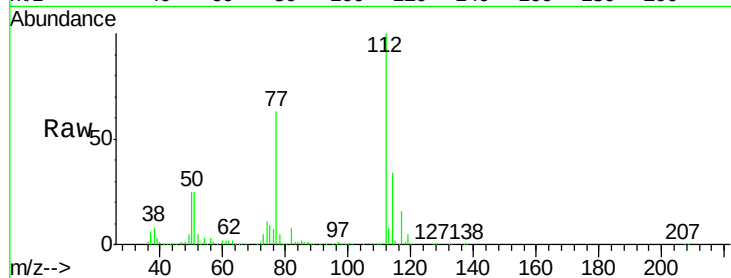




#65
Chlorobenzene
Concen: 126.896 ug/l
RT: 9.91 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

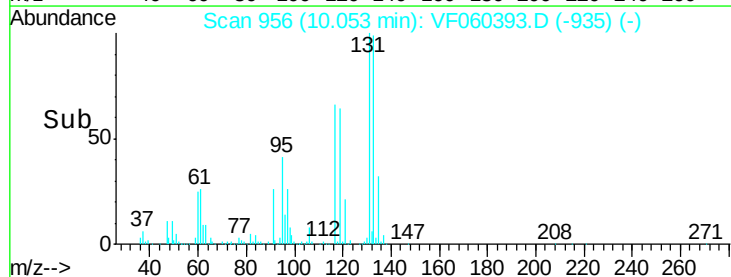
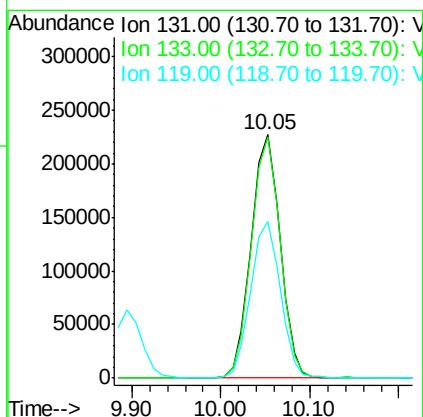
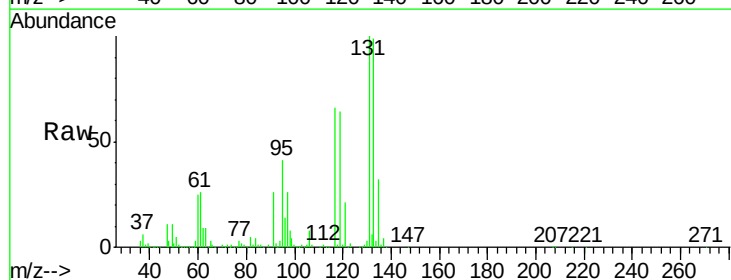
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

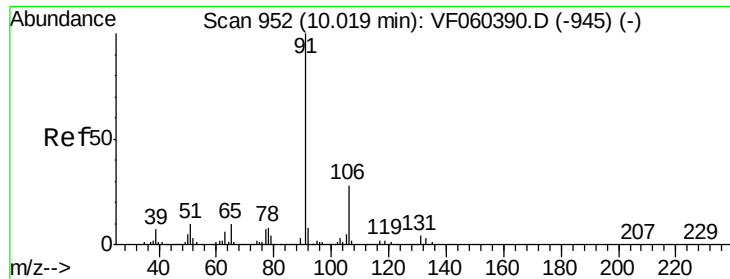
Tgt Ion:112 Resp: 1211086
Ion Ratio Lower Upper
112 100
114 33.6 27.7 41.5



#66
1,1,1,2-Tetrachloroethane
Concen: 127.754 ug/l
RT: 10.05 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Tgt Ion:131 Resp: 513432
Ion Ratio Lower Upper
131 100
133 98.8 47.3 141.8
119 64.5 32.3 96.9

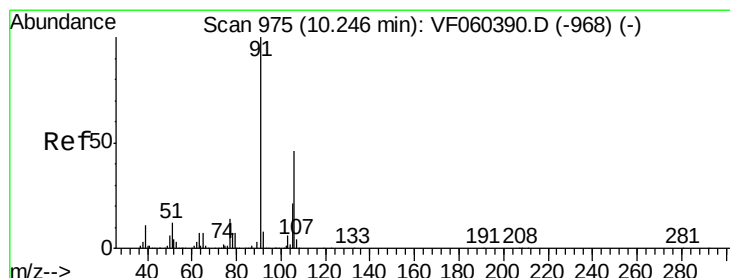
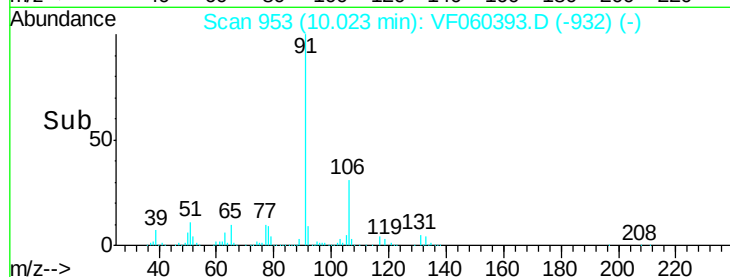
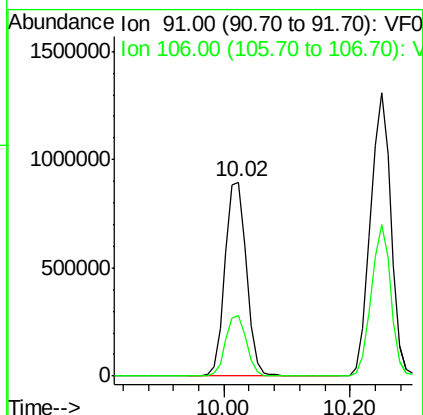
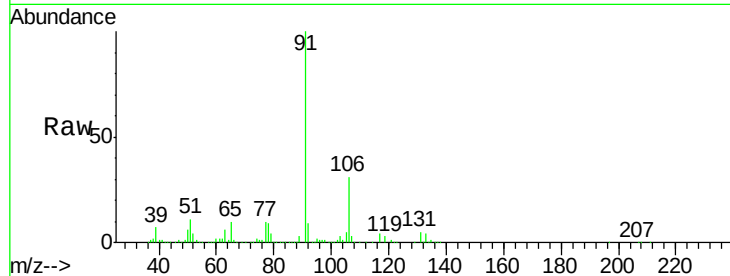




#67
Ethyl Benzene
Concen: 119.581 ug/l
RT: 10.02 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

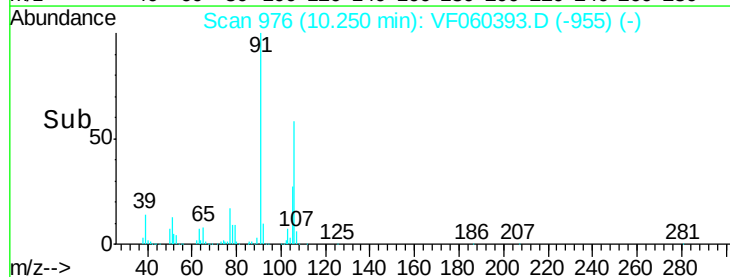
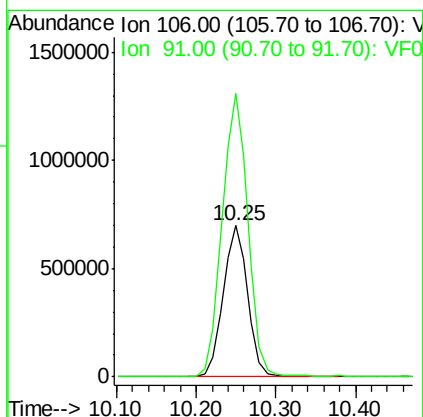
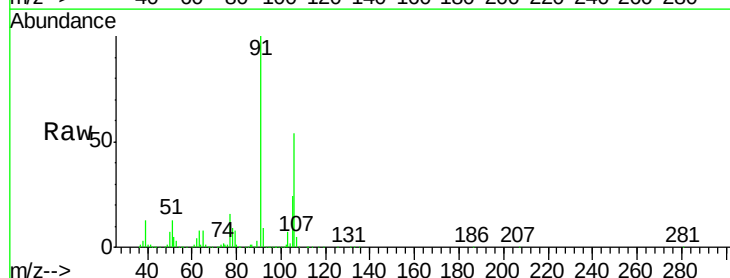
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

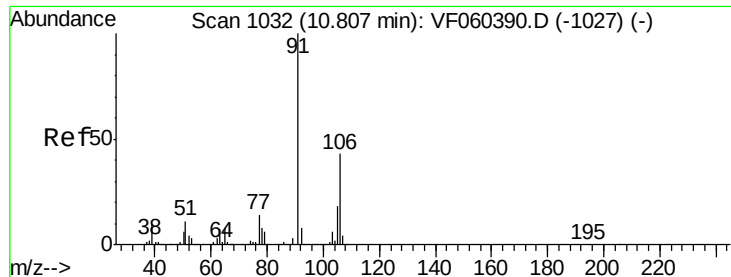
Tgt Ion: 91 Resp: 2119720
Ion Ratio Lower Upper
91 100
106 31.1 22.5 33.7



#68
m/p-Xylenes
Concen: 246.720 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Tgt Ion: 106 Resp: 1509590
Ion Ratio Lower Upper
106 100
91 186.8 175.0 262.6

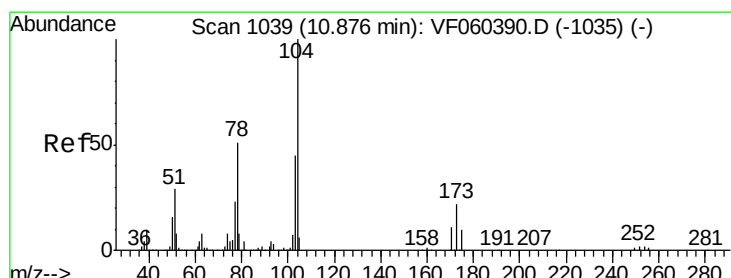
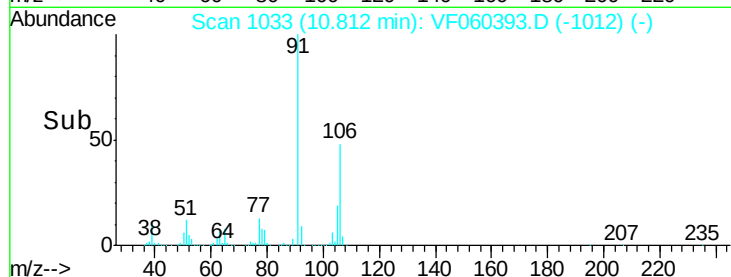
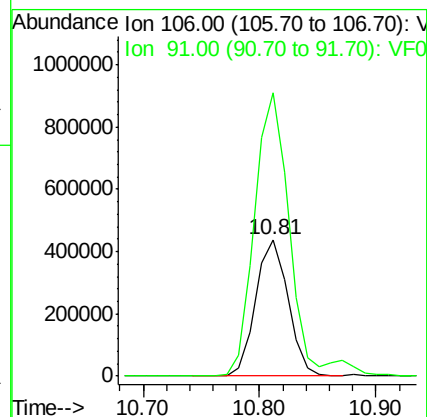
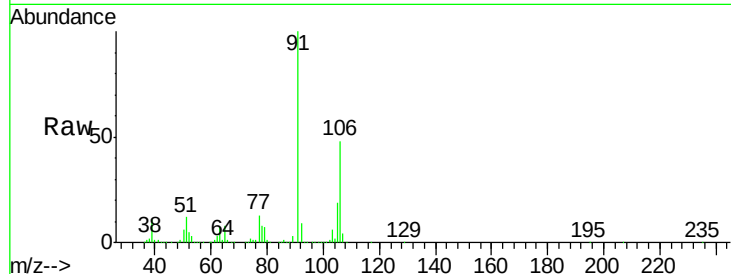




#69
o-Xylene
Concen: 123.890 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

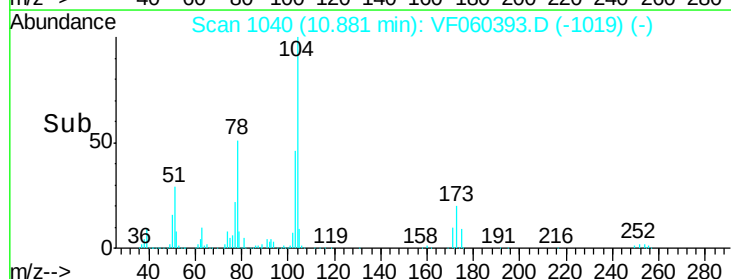
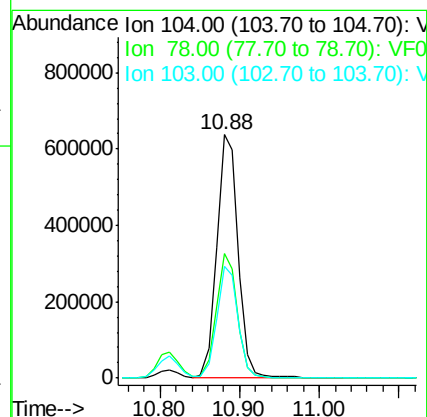
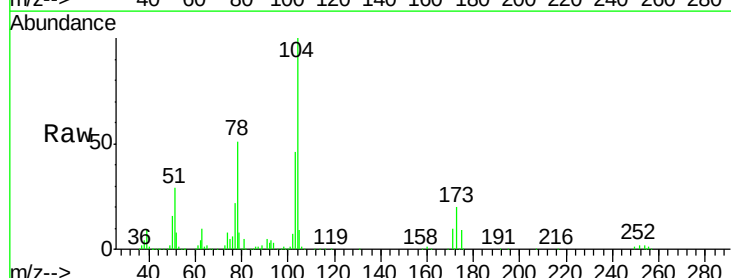
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

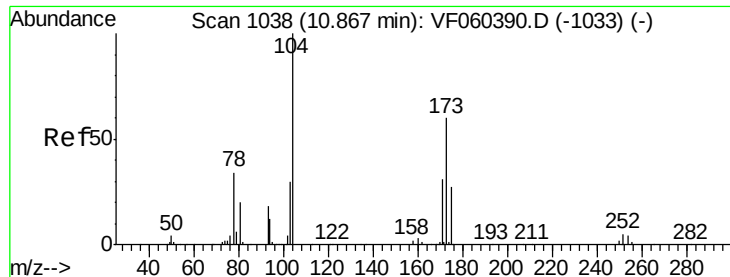
Tgt Ion:106 Resp: 848359
Ion Ratio Lower Upper
106 100
91 207.0 115.1 345.2



#70
Styrene
Concen: 124.300 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Tgt Ion:104 Resp: 1197163
Ion Ratio Lower Upper
104 100
78 51.4 41.0 61.4
103 46.0 36.4 54.6





#71

Bromoform

Concen: 138.238 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

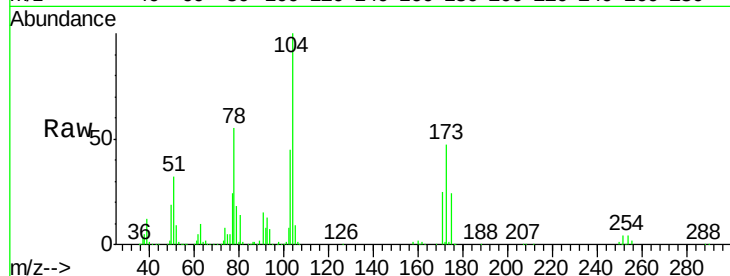
Tgt Ion:173 Resp: 302983

Ion Ratio Lower Upper

173 100

175 50.5 22.1 66.1

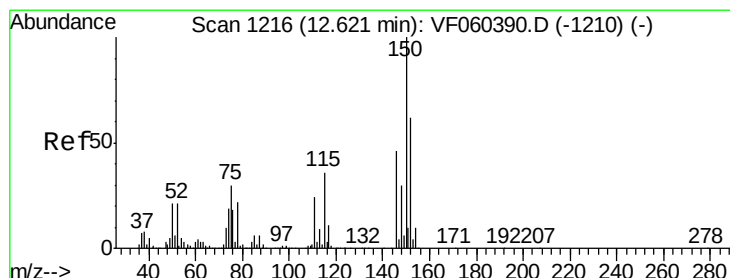
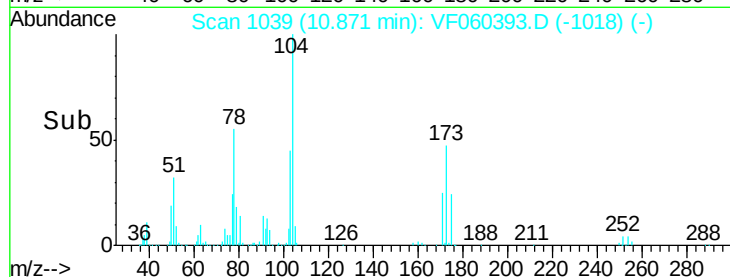
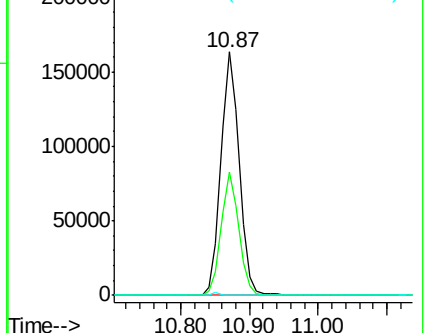
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

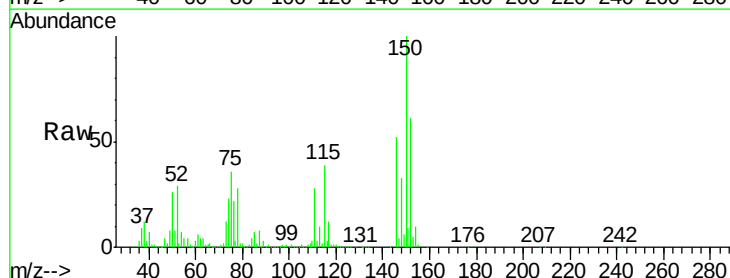
Tgt Ion:152 Resp: 221382

Ion Ratio Lower Upper

152 100

115 62.8 28.6 85.8

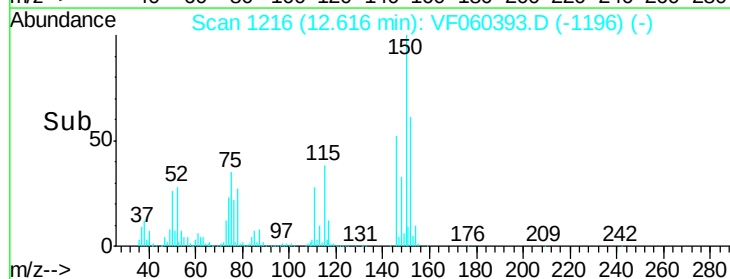
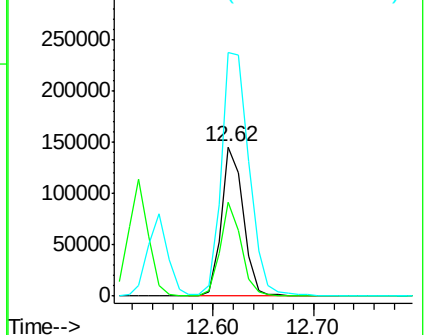
150 163.1 0.0 324.6

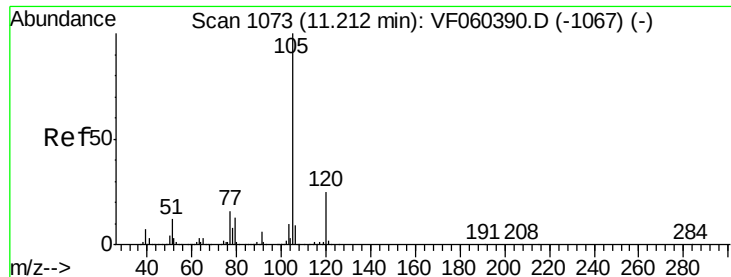


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 117.402 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

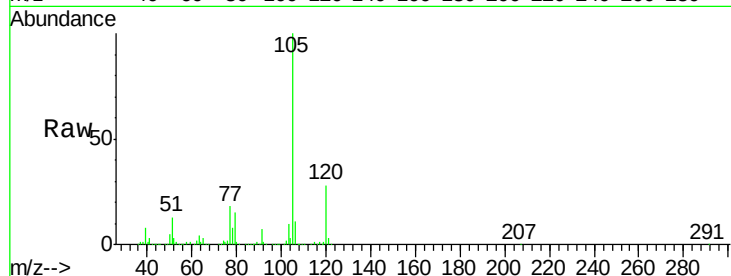
VSTDIC150

Tgt Ion:105 Resp: 2294550

Ion Ratio Lower Upper

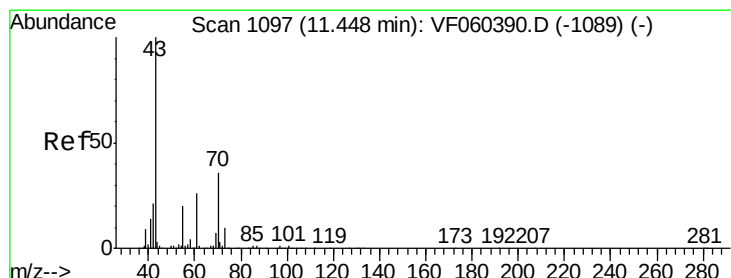
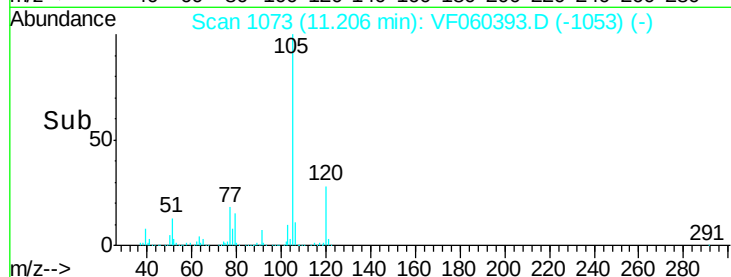
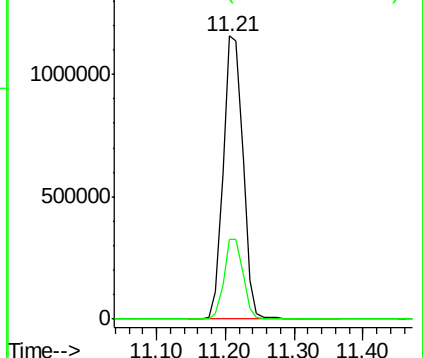
105 100

120 28.1 12.3 36.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 143.461 ug/l

RT: 11.44 min Scan# 1097

Delta R.T. -0.01 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Tgt Ion: 43 Resp: 607427

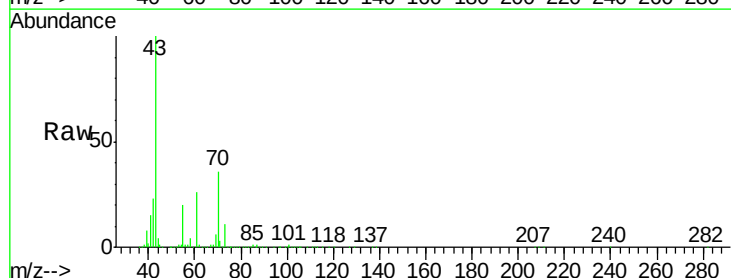
Ion Ratio Lower Upper

43 100

70 36.0 29.1 43.7

55 19.9 16.3 24.5

61 26.2 21.0 31.4

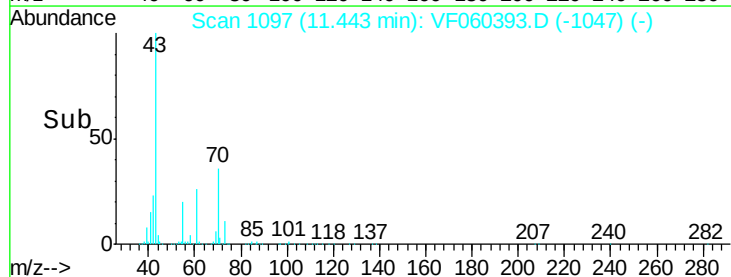
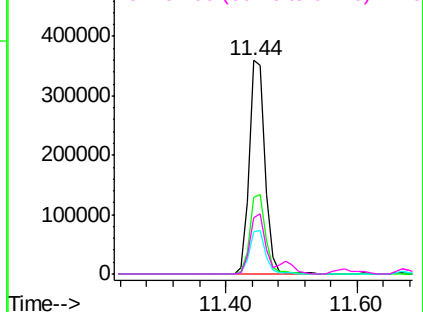


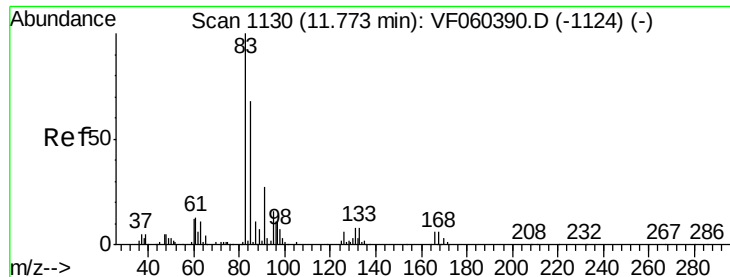
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 128.563 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

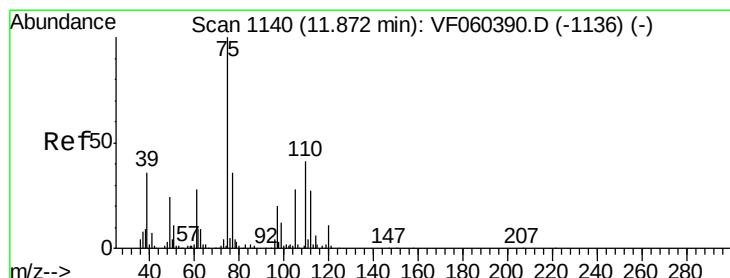
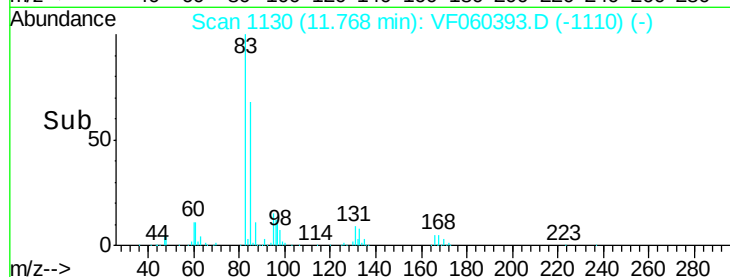
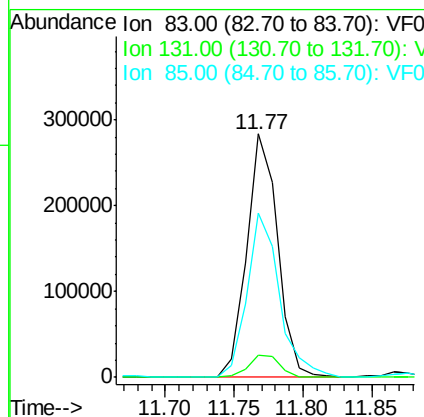
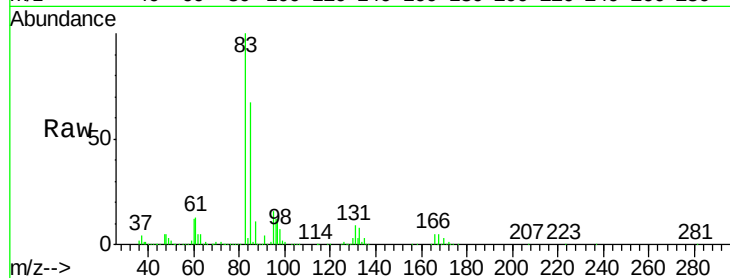
Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	446027
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.0	12.0
85	67.4	34.0	102.0



#76

1,2,3-Trichloropropane

Concen: 130.896 ug/l

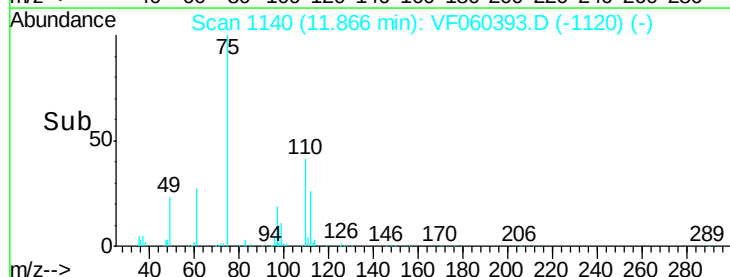
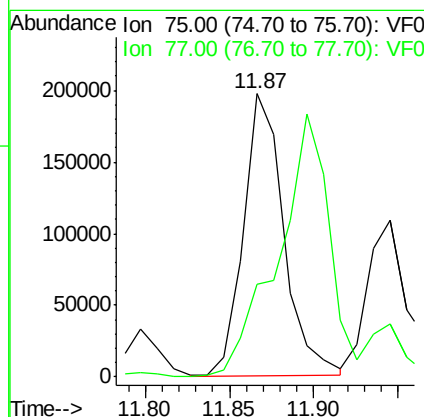
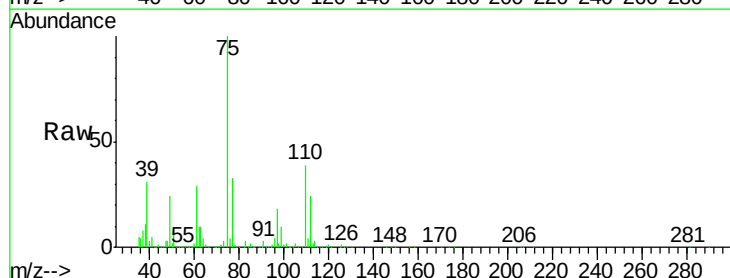
RT: 11.87 min Scan# 1140

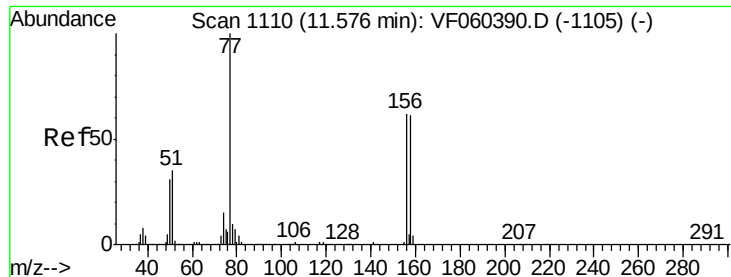
Delta R.T. -0.01 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Tgt Ion:	75	Resp:	328549
Ion	Ratio	Lower	Upper
75	100		
77	32.7	18.1	54.4





#77

Bromobenzene

Concen: 129.296 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

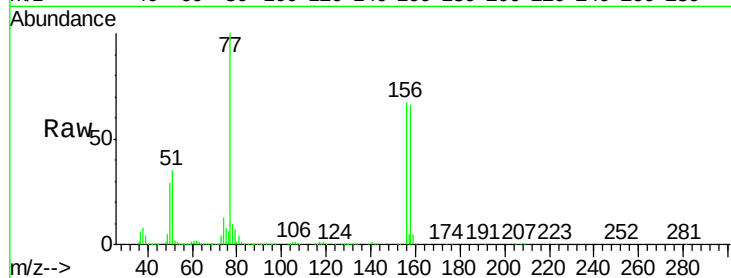
Tgt Ion:156 Resp: 545936

Ion Ratio Lower Upper

156 100

77 149.5 81.3 243.9

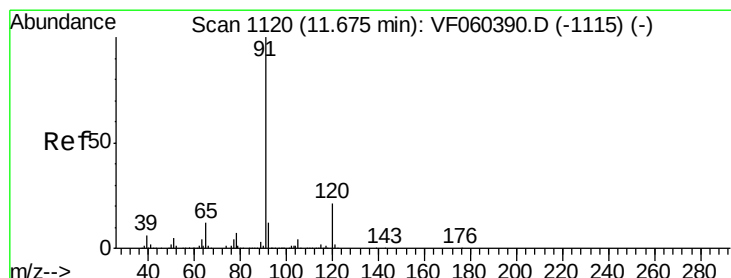
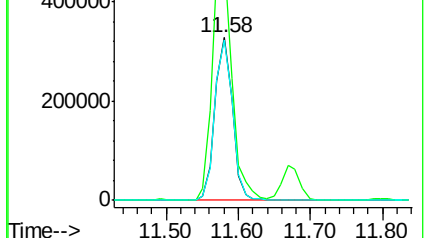
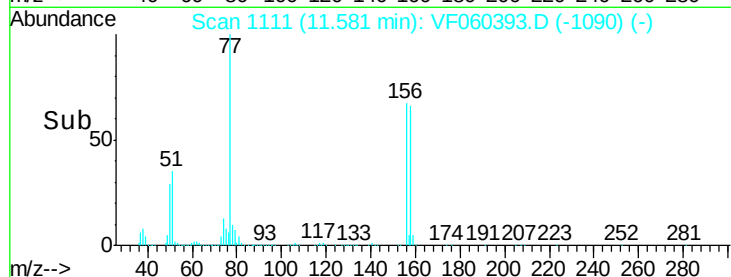
158 98.1 49.6 149.0



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: 109.742 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF060393.D

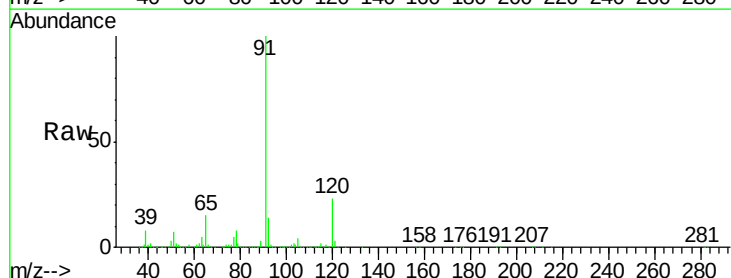
Acq: 1 Oct 2018 20:05

Tgt Ion: 91 Resp: 2547027

Ion Ratio Lower Upper

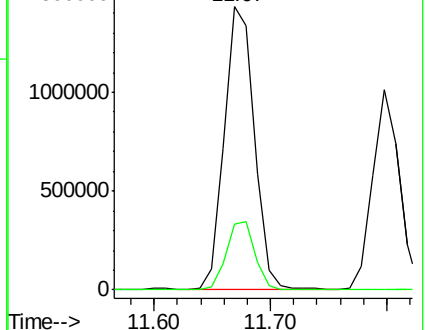
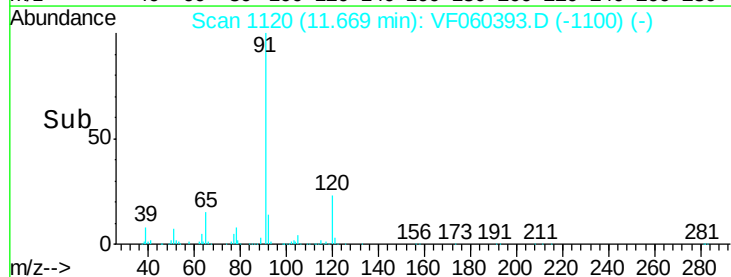
91 100

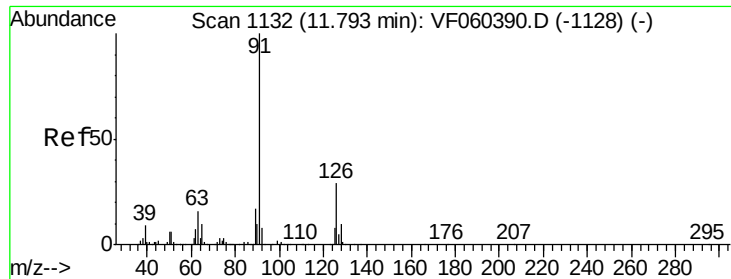
120 23.2 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 119.552 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

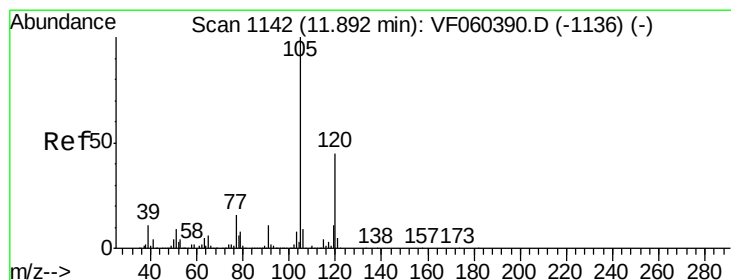
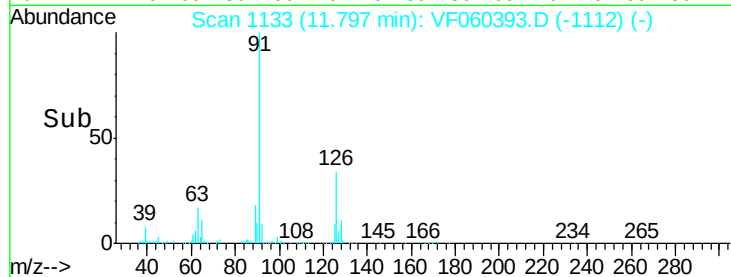
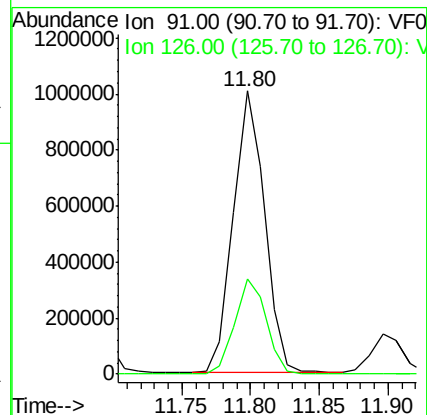
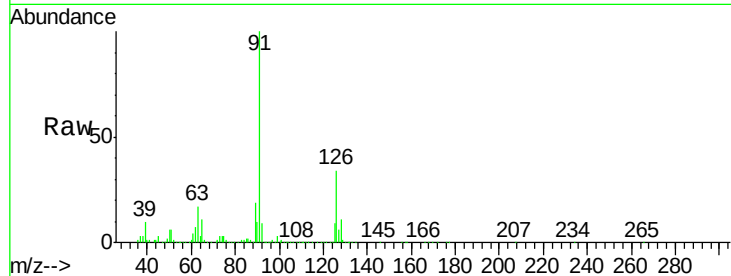
VSTDIC150

Tgt Ion: 91 Resp: 1600137

Ion Ratio Lower Upper

91 100

126 33.6 14.4 43.4



#80

1,3,5-Trimethylbenzene

Concen: 116.316 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060393.D

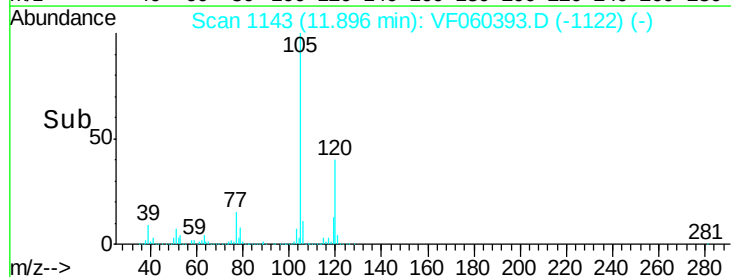
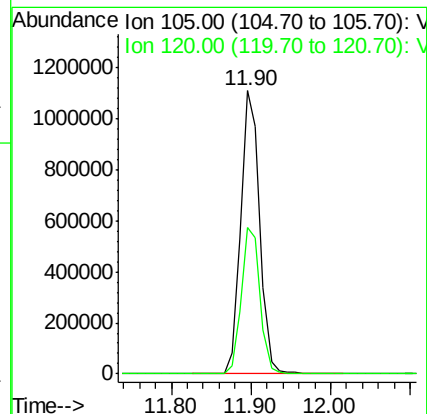
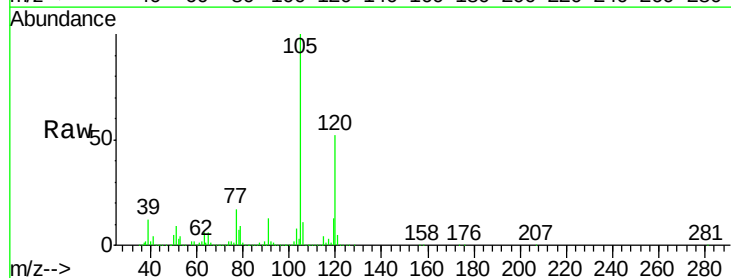
Acq: 1 Oct 2018 20:05

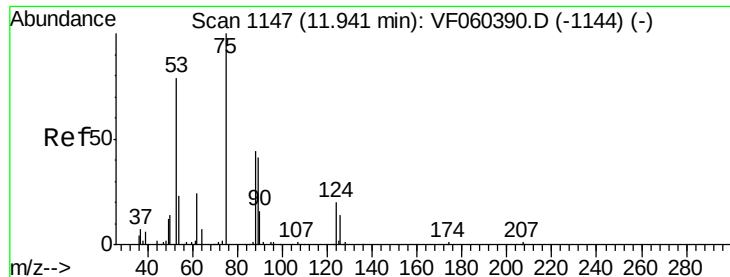
Tgt Ion: 105 Resp: 1838635

Ion Ratio Lower Upper

105 100

120 51.7 22.3 66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 167.788 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

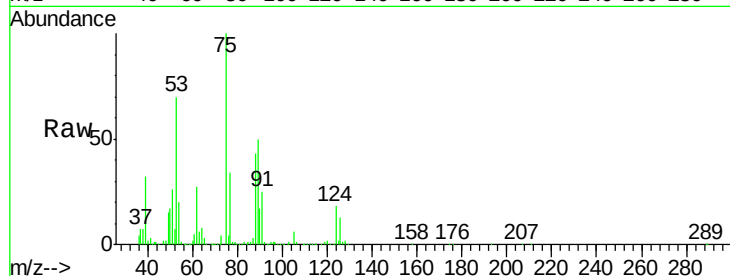
Tgt Ion: 75 Resp: 219750

Ion Ratio Lower Upper

75 100

53 70.0 67.8 101.8

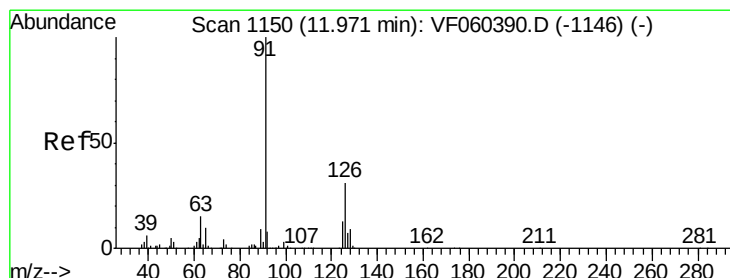
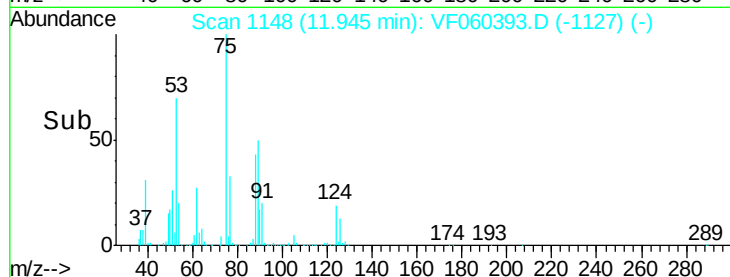
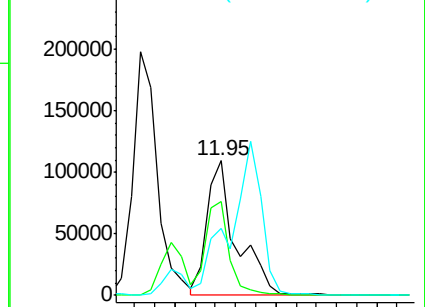
89 49.6 36.7 55.1



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: 122.250 ug/l

RT: 11.97 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF060393.D

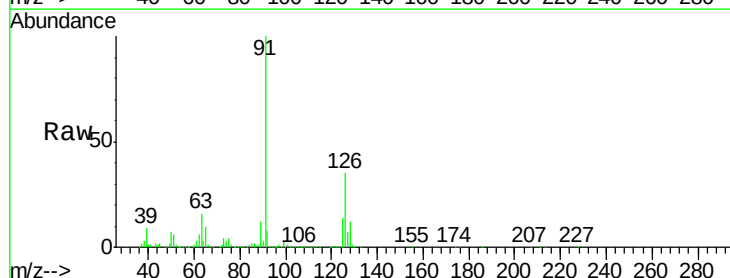
Acq: 1 Oct 2018 20:05

Tgt Ion: 91 Resp: 1636824

Ion Ratio Lower Upper

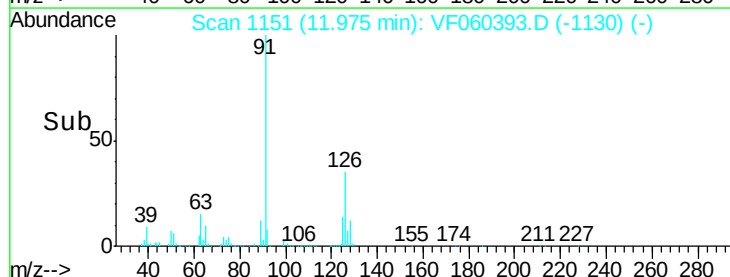
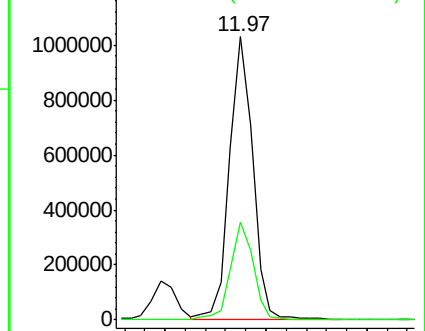
91 100

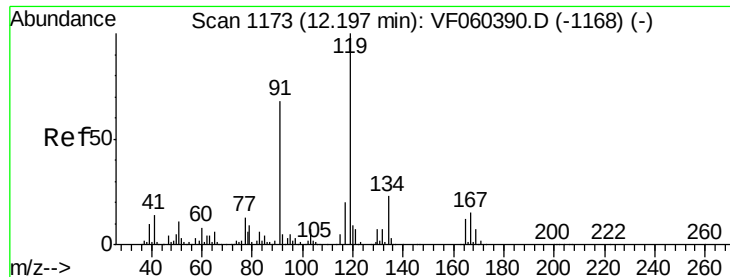
126 34.6 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

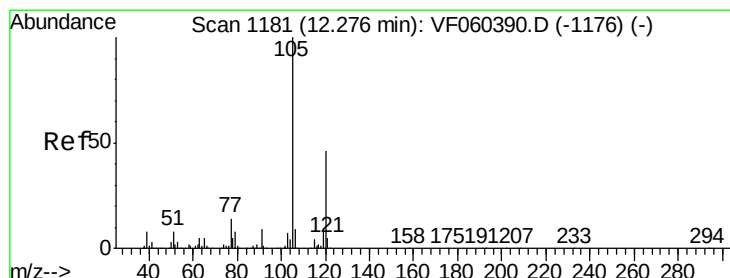
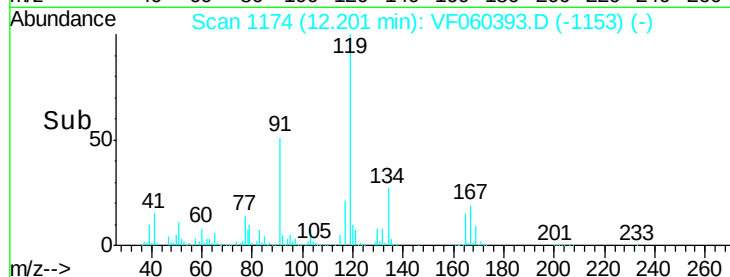
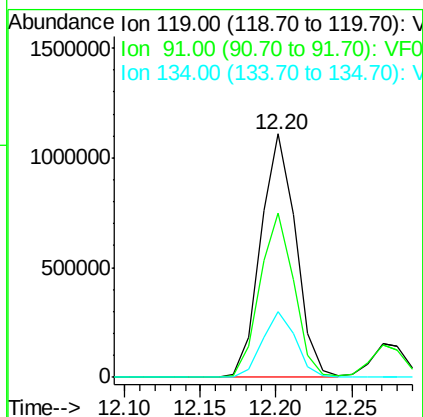
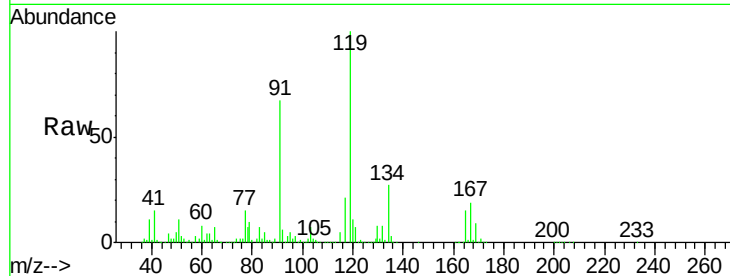




#83
 tert-Butylbenzene
 Concen: 112.034 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF060393.D
 Acq: 1 Oct 2018 20:05

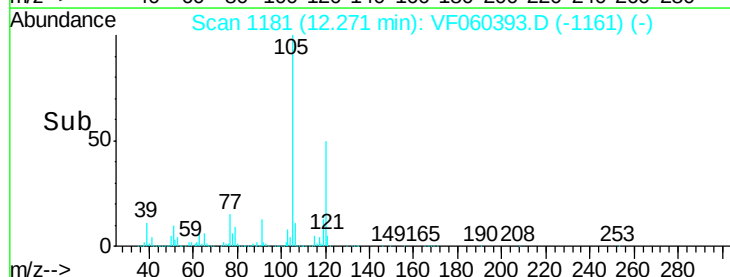
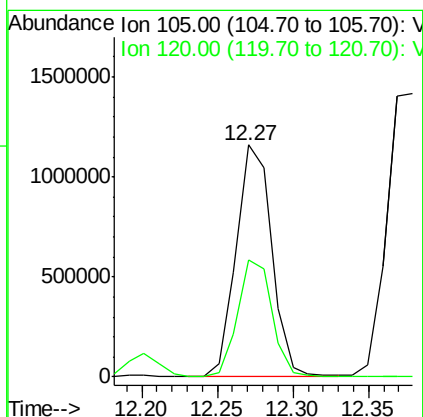
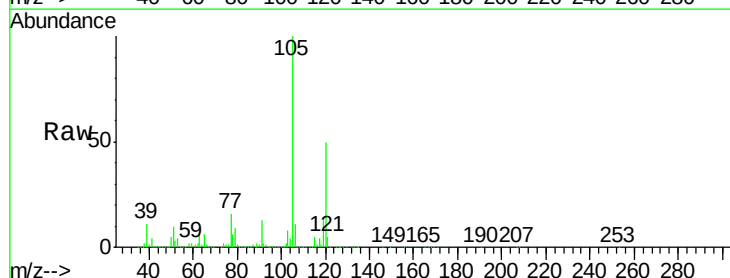
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

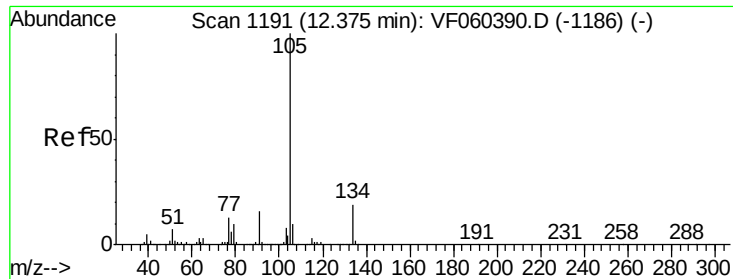
Tgt Ion:119 Resp: 1800452
 Ion Ratio Lower Upper
 119 100
 91 67.4 34.0 102.0
 134 26.8 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 117.315 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VF060393.D
 Acq: 1 Oct 2018 20:05

Tgt Ion:105 Resp: 1893437
 Ion Ratio Lower Upper
 105 100
 120 50.3 23.1 69.2





#85

sec-Butylbenzene

Concen: 112.395 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

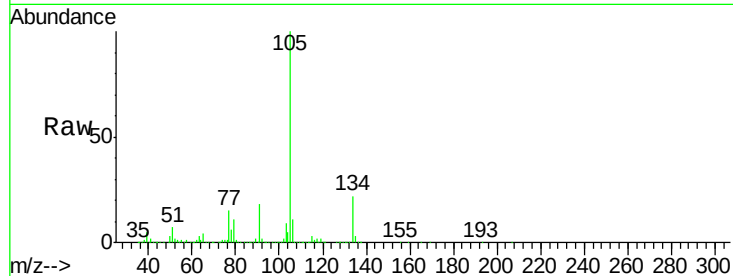
VSTDIC150

Tgt Ion:105 Resp: 2487240

Ion Ratio Lower Upper

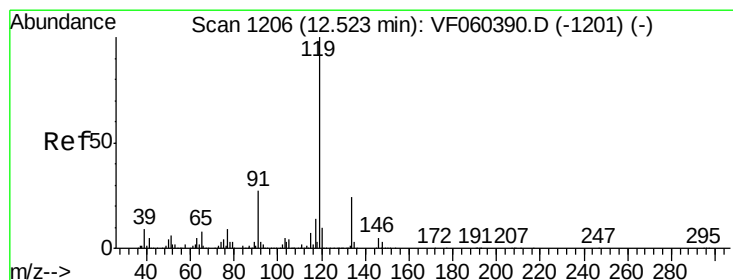
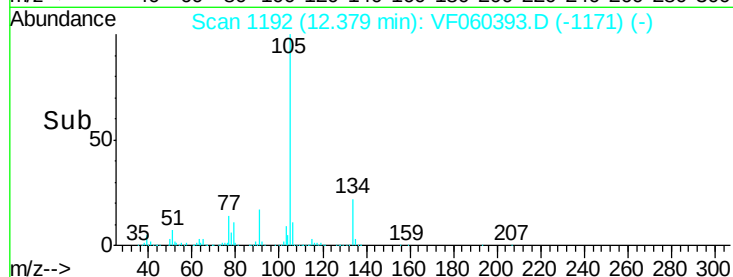
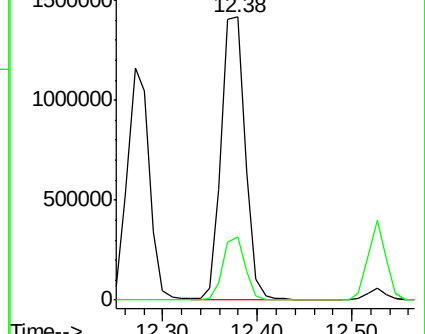
105 100

134 22.2 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 113.987 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

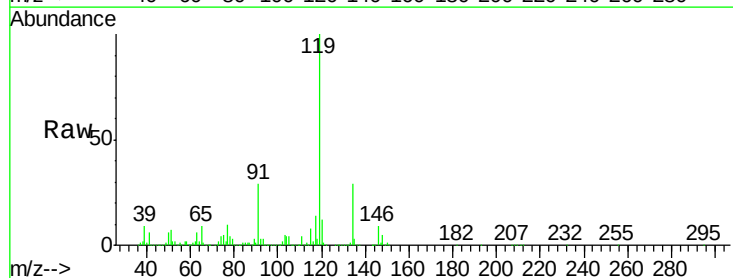
Tgt Ion:119 Resp: 2007539

Ion Ratio Lower Upper

119 100

134 28.8 12.3 36.8

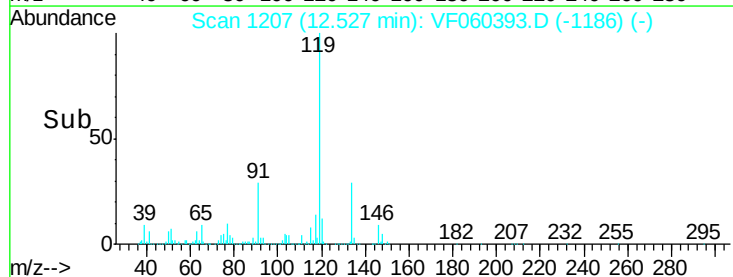
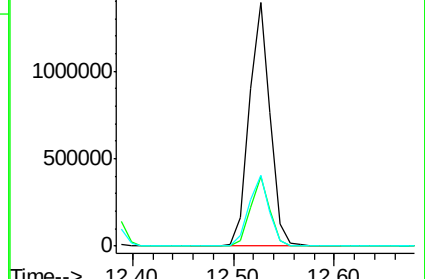
91 29.0 13.5 40.4

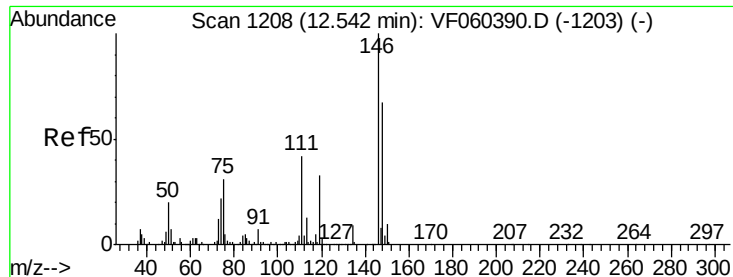


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

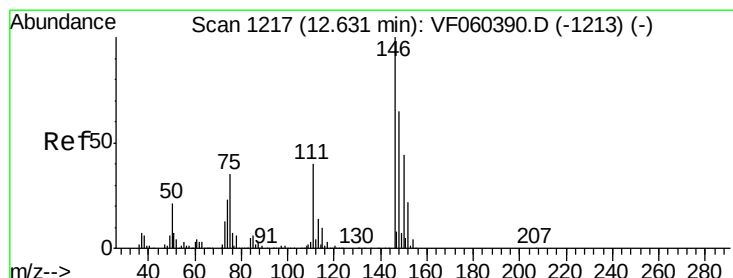
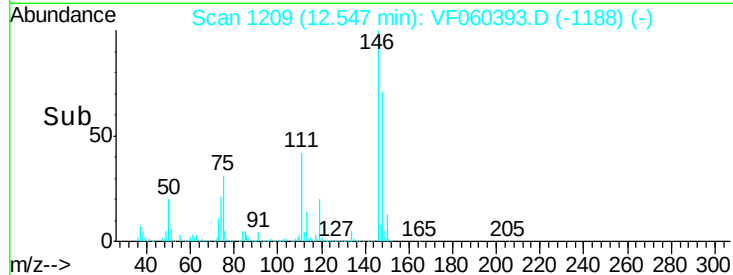
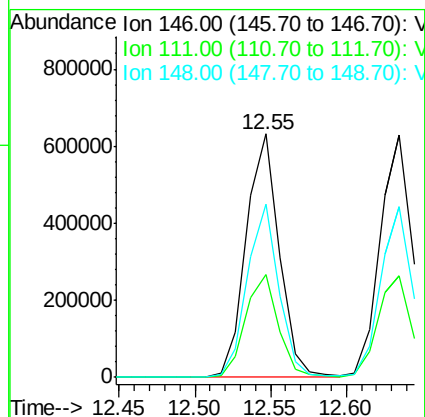
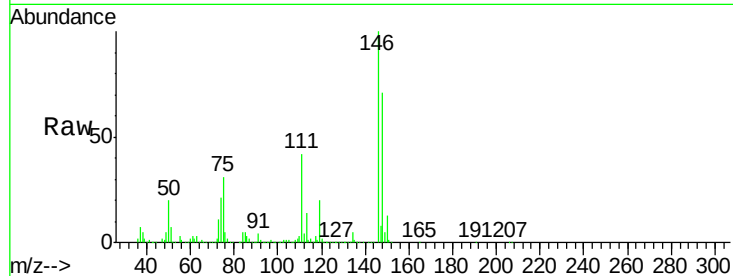




#87
 1,3-Dichlorobenzene
 Concen: 121.926 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF060393.D
 Acq: 1 Oct 2018 20:05

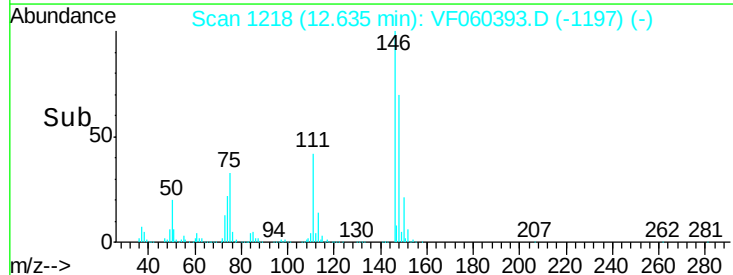
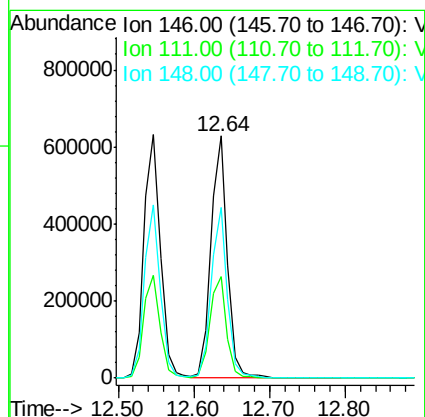
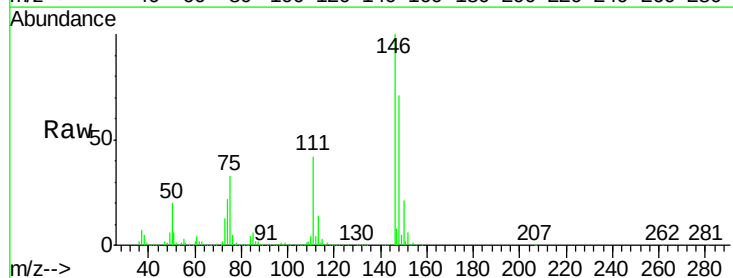
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

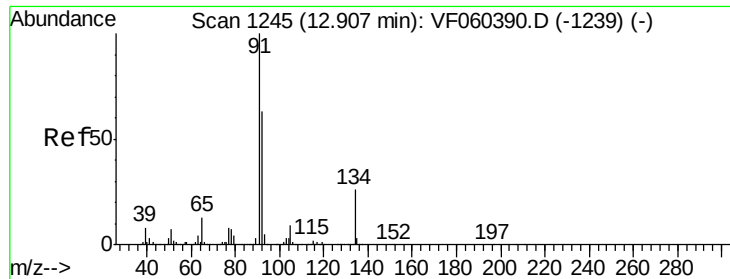
Tgt Ion:146 Resp: 966632
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.9 62.7
 148 71.2 33.6 100.8



#88
 1,4-Dichlorobenzene
 Concen: 122.849 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060393.D
 Acq: 1 Oct 2018 20:05

Tgt Ion:146 Resp: 958648
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.2 60.6
 148 70.5 32.6 97.8

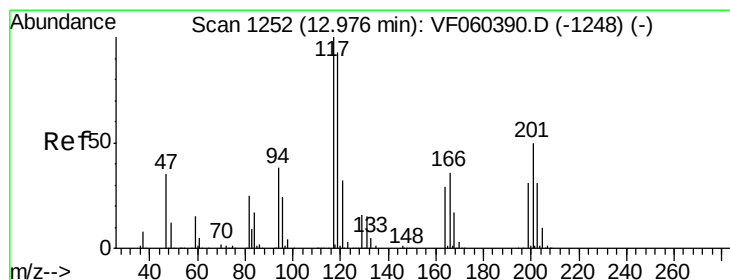
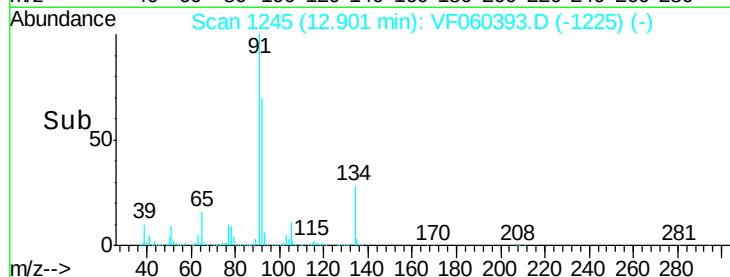
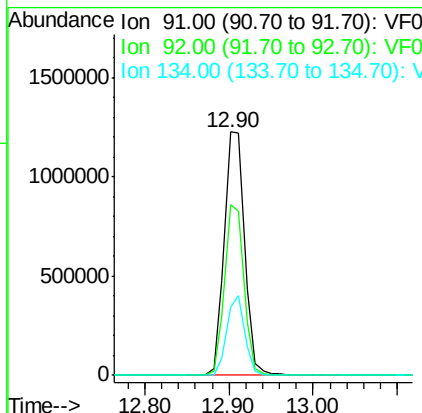
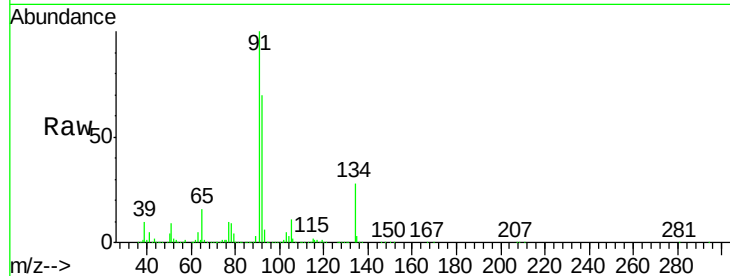




#89
n-Butylbenzene
Concen: 109.608 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

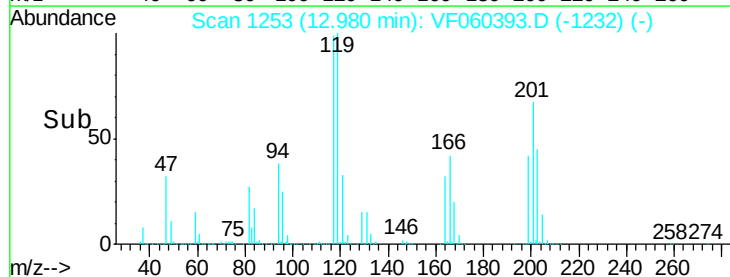
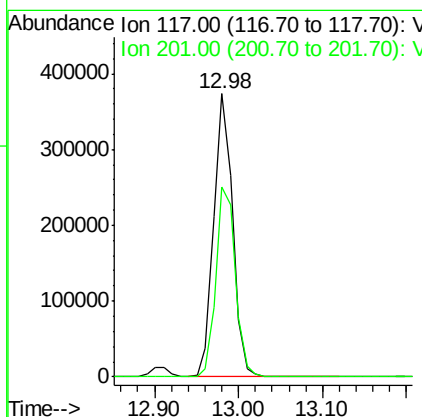
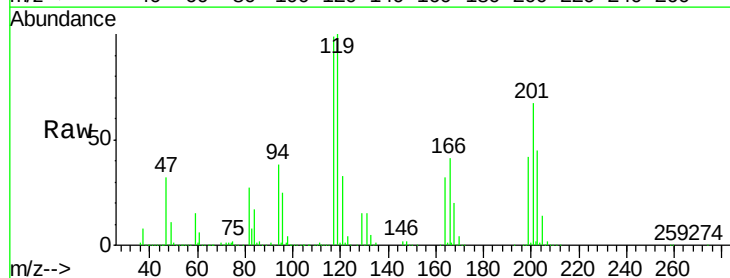
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

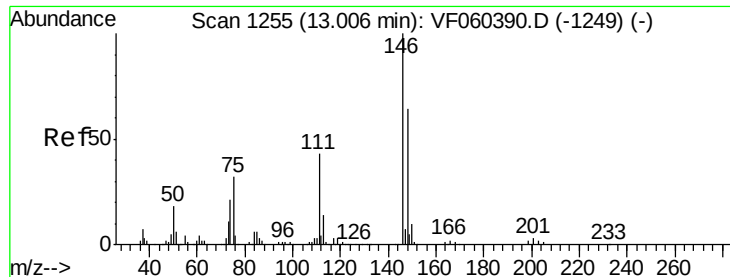
Tgt Ion: 91 Resp: 2055931
Ion Ratio Lower Upper
91 100
92 70.0 31.3 93.9
134 27.8 13.0 38.9



#90
Hexachloroethane
Concen: 128.630 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VF060393.D
Acq: 1 Oct 2018 20:05

Tgt Ion: 117 Resp: 581804
Ion Ratio Lower Upper
117 100
201 67.3 25.5 76.5





#91

1,2-Dichlorobenzene

Concen: 122.084 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

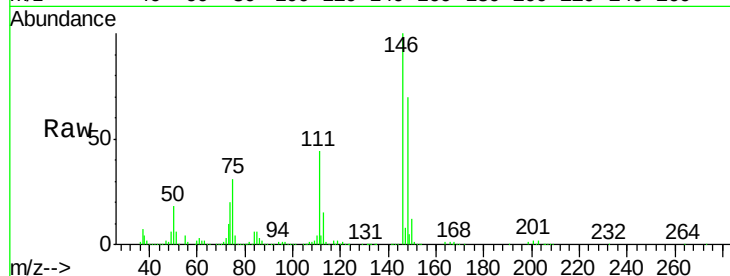
Tgt Ion:146 Resp: 926493

Ion Ratio Lower Upper

146 100

111 43.8 21.3 64.0

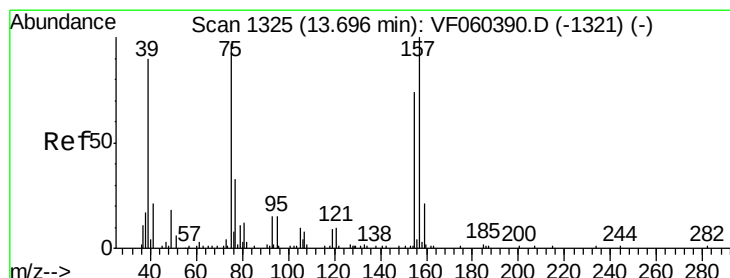
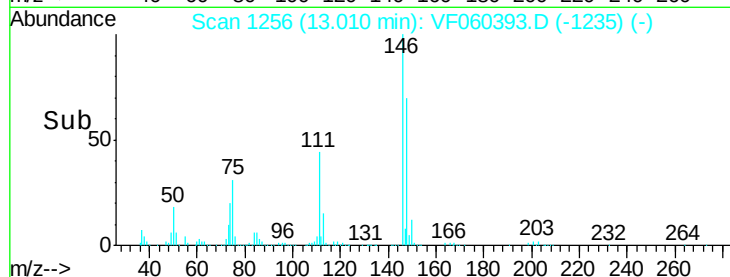
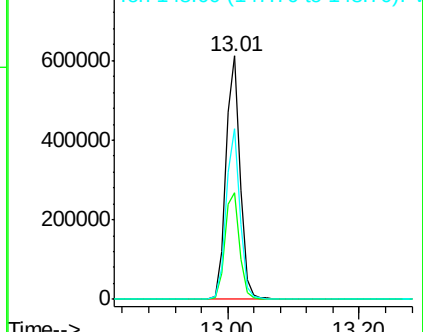
148 70.2 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 150.142 ug/l

RT: 13.70 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

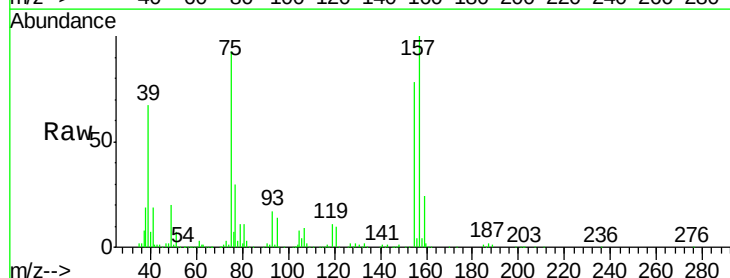
Tgt Ion: 75 Resp: 98626

Ion Ratio Lower Upper

75 100

155 84.2 37.9 113.6

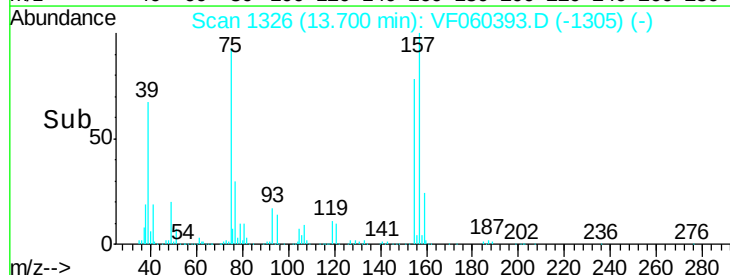
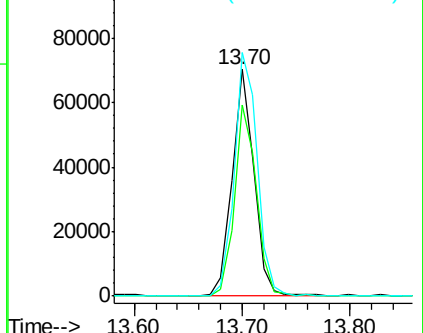
157 107.4 51.3 154.0

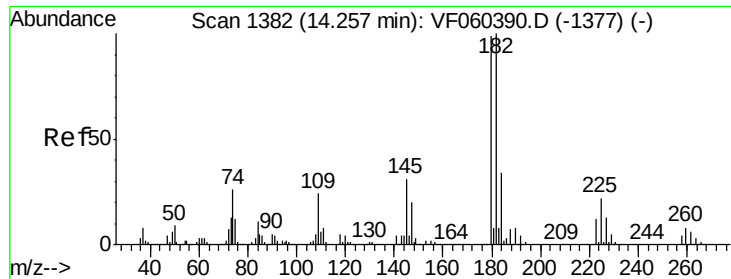


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

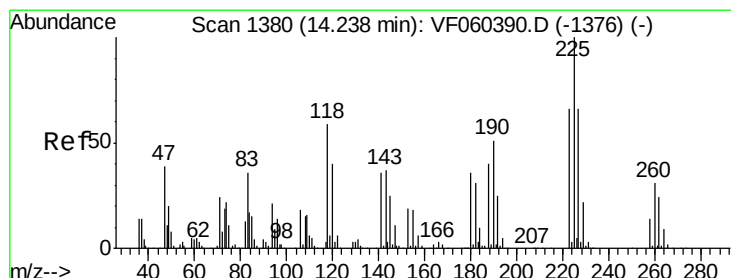
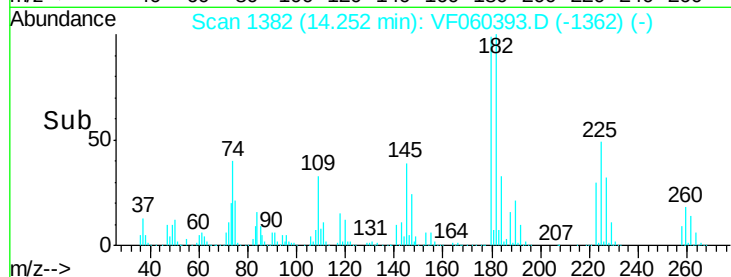
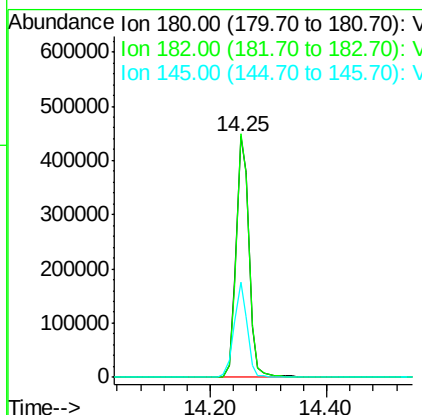
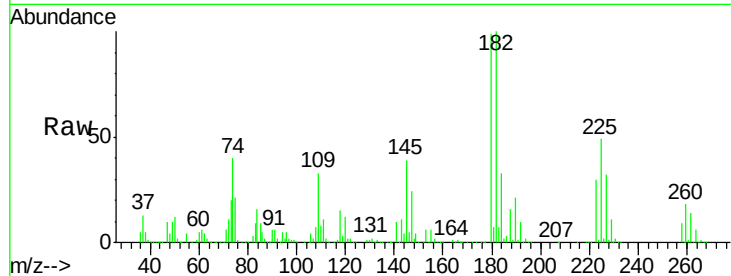




#93
 1,2,4-Trichlorobenzene
 Concen: 124.505 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060393.D
 Acq: 1 Oct 2018 20:05

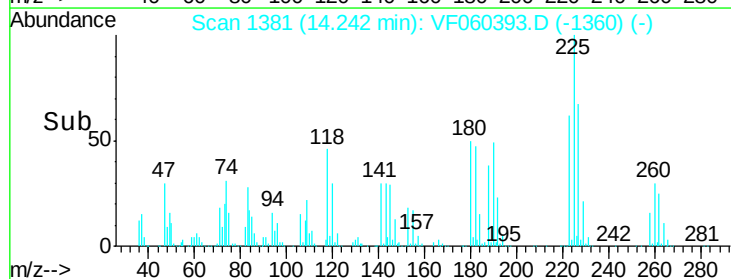
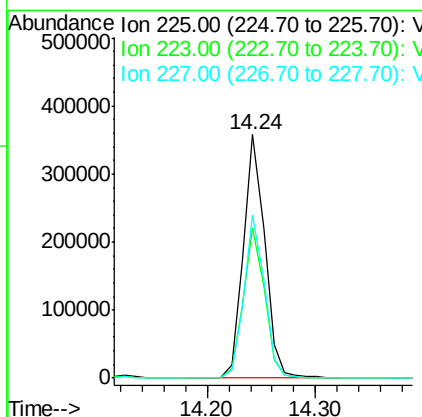
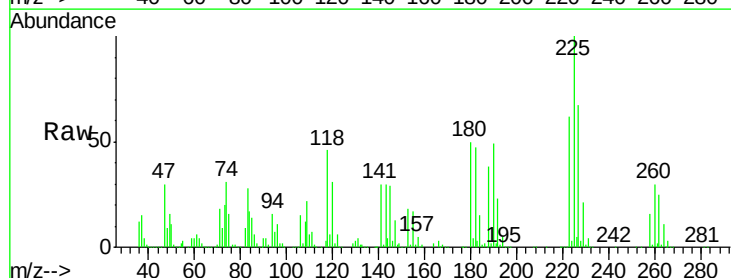
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

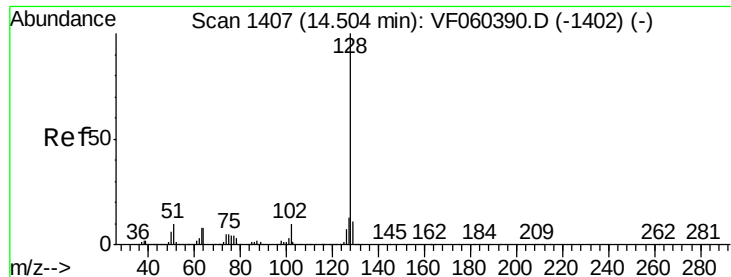
Tgt Ion:180 Resp: 689781
 Ion Ratio Lower Upper
 180 100
 182 101.1 50.3 150.9
 145 39.4 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 131.555 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VF060393.D
 Acq: 1 Oct 2018 20:05

Tgt Ion:225 Resp: 492219
 Ion Ratio Lower Upper
 225 100
 223 61.6 32.8 98.4
 227 66.7 33.0 99.0





#95

Naphthalene

Concen: 148.895 ug/l

RT: 14.51 min Scan# 1408

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

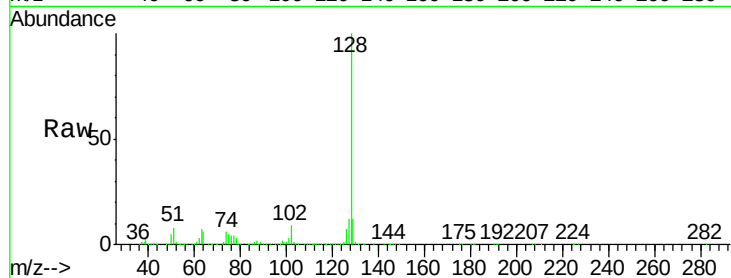
Tgt Ion:128 Resp: 1456851

Ion Ratio Lower Upper

128 100

127 12.2 10.0 15.0

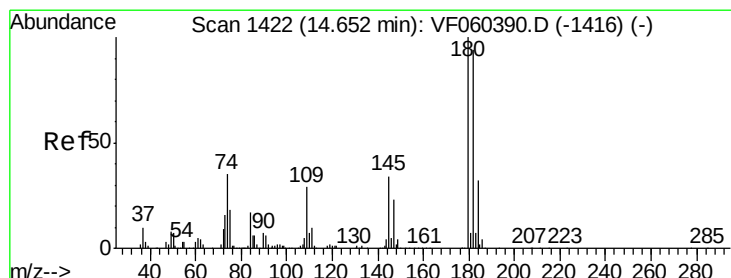
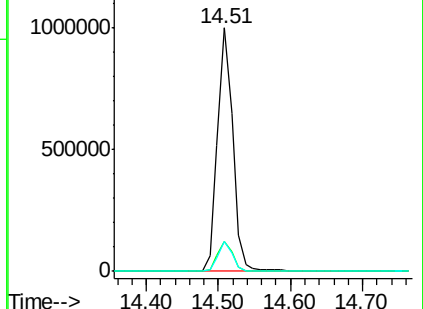
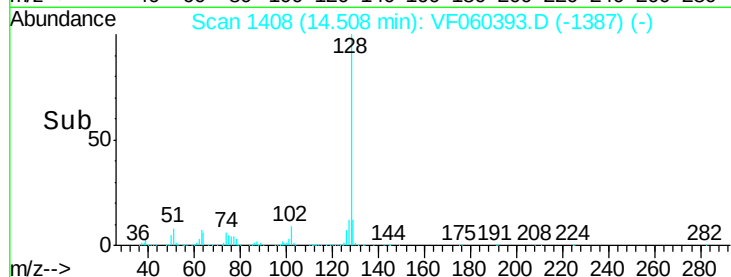
129 12.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 133.889 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. 0.00 min

Lab File: VF060393.D

Acq: 1 Oct 2018 20:05

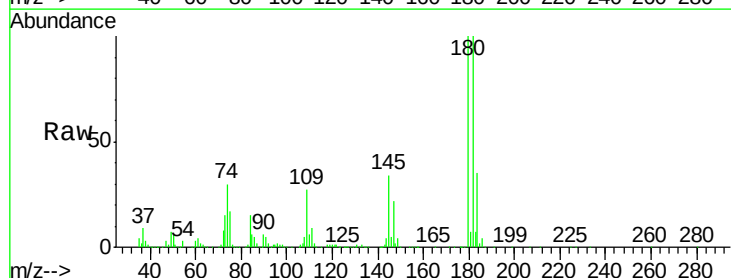
Tgt Ion:180 Resp: 683991

Ion Ratio Lower Upper

180 100

182 100.1 46.8 140.3

145 34.0 16.9 50.6



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

