

Data File : VF060026.D
Acq On : 21 Aug 2018 18:23
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Quant Time: Aug 22 04:00:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 03:57:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	216604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	334248	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	349320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	207251	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	141680	35.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.92%	
35) Dibromofluoromethane	4.30	113	130300	39.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.32%	
50) Toluene-d8	7.72	98	354871	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
62) 4-Bromofluorobenzene	11.52	95	187108	41.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	133917	37.804	ug/l	100
3) Chloromethane	1.08	50	93546	47.453	ug/l	100
4) Vinyl Chloride	1.13	62	83910	39.027	ug/l	100
5) Bromomethane	1.32	94	64953	31.567	ug/l	100
6) Chloroethane	1.39	64	33611	31.286	ug/l	100
7) Trichlorofluoromethane	1.49	101	185612	31.415	ug/l	100
8) Diethyl Ether	1.71	74	32657	36.607	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.87	101	94108	33.613	ug/l	100
10) Methyl Iodide	1.93	142	129977	36.677	ug/l	100
11) Tert butyl alcohol	2.68	59	39396	169.710	ug/l	100
12) 1,1-Dichloroethene	1.83	96	69825	35.723	ug/l	100
13) Acrolein	2.09	56	23493	187.152	ug/l	100
14) Allyl chloride	2.19	41	118382	35.794	ug/l	100
15) Acrylonitrile	3.08	53	73191	195.386	ug/l	100
16) Acetone	2.34	43	195991	157.768	ug/l	100
17) Carbon Disulfide	1.85	76	195383	31.594	ug/l	100
18) Methyl Acetate	2.46	43	66511	28.044	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	222415	34.960	ug/l	100
20) Methylene Chloride	2.28	84	77861	28.177	ug/l	100
21) trans-1,2-Dichloroethene	2.42	96	70726	33.759	ug/l	100
22) Diisopropyl ether	2.93	45	275205	38.783	ug/l	100
23) Vinyl Acetate	3.33	43	783928	264.277	ug/l	100
24) 1,1-Dichloroethane	3.01	63	166978	36.443	ug/l	100
25) 2-Butanone	4.52	43	251237	244.934	ug/l	100
26) 2,2-Dichloropropane	3.77	77	173643	41.973	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	110240	54.127	ug/l	100
28) Bromochloromethane	3.90	49	68536	48.485	ug/l	100
29) Tetrahydrofuran	4.26	42	94861	257.791	ug/l	100
30) Chloroform	4.04	83	236333	42.987	ug/l	100
31) Cyclohexane	3.87	56	122894	53.675	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	205278	39.098	ug/l	100
36) 1,1-Dichloropropene	4.47	75	153490	40.958	ug/l	100
37) Ethyl Acetate	4.29	43	91718	44.746	ug/l	100
38) Carbon Tetrachloride	4.17	117	179063	34.624	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	138226	48.292	ug/l	100
40) Benzene	4.82	78	325566	50.558	ug/l	100
41) Methacrylonitrile	4.93	41	44915	45.263	ug/l	100
42) 1,2-Dichloroethane	5.13	62	177851	34.421	ug/l	100
43) Isopropyl Acetate	7.12	43	119304	51.335	ug/l	100
44) Trichloroethene	5.68	130	108007	43.865	ug/l	100
45) 1,2-Dichloropropane	6.41	63	98436	52.961	ug/l	100
46) Dibromomethane	6.26	93	75776	42.579	ug/l	100
47) Bromodichloromethane	6.56	83	180861	38.578	ug/l	100
48) Methyl methacrylate	6.88	41	79761	47.106	ug/l	100
49) 1,4-Dioxane	6.87	88	14950	1124.630	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	501420	233.560	ug/l	100
52) Toluene	7.79	92	231837	48.152	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	161054	40.378	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	190998	48.457	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	94177	48.931	ug/l	100
56) Ethyl methacrylate	8.77	69	117330	52.357	ug/l	100
57) 1,3-Dichloropropane	9.01	76	168807	49.091	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.79	63	42133	236.875	ug/l	100
59) 2-Hexanone	9.63	43	407073	229.329	ug/l	100
60) Dibromochloromethane	8.87	129	137765	40.665	ug/l	100
61) 1,2-Dibromoethane	9.14	107	108021	45.662	ug/l	100
64) Tetrachloroethene	8.31	164	114664	43.319	ug/l	100
65) Chlorobenzene	9.95	112	318185	46.254	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	120689	39.219	ug/l	100
67) Ethyl Benzene	10.05	91	537679	43.412	ug/l	100
68) m/p-Xylenes	10.27	106	396001	90.736	ug/l	100
69) o-Xylene	10.84	106	224084	50.172	ug/l	100
70) Styrene	10.91	104	327831	46.015	ug/l	100
71) Bromoform	10.89	173	86056	37.889	ug/l	100
73) Isopropylbenzene	11.24	105	618382	49.579	ug/l	100
74) N-amyl acetate	11.47	43	205294	57.053	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	139136	55.492	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	103694	48.033	ug/l	100
77) Bromobenzene	11.60	156	169078	48.765	ug/l	100
78) n-propylbenzene	11.69	91	758122	48.840	ug/l	100
79) 2-Chlorotoluene	11.82	91	441820	47.457	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	539395	48.183	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	60405	66.320	ug/l	100
82) 4-Chlorotoluene	12.00	91	477091	46.832	ug/l	100
83) tert-Butylbenzene	12.23	119	521453	47.638	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	559707	47.564	ug/l	100
85) sec-Butylbenzene	12.39	105	718075	49.154	ug/l	100
86) p-Isopropyltoluene	12.54	119	609852	47.210	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	309147	46.703	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	298692	46.449	ug/l	100
89) n-Butylbenzene	12.93	91	618227	49.527	ug/l	100
90) Hexachloroethane	13.00	117	137449	47.776	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	301114	47.757	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	28995	44.230	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082118\
Quantitation Report (Not Reviewed)

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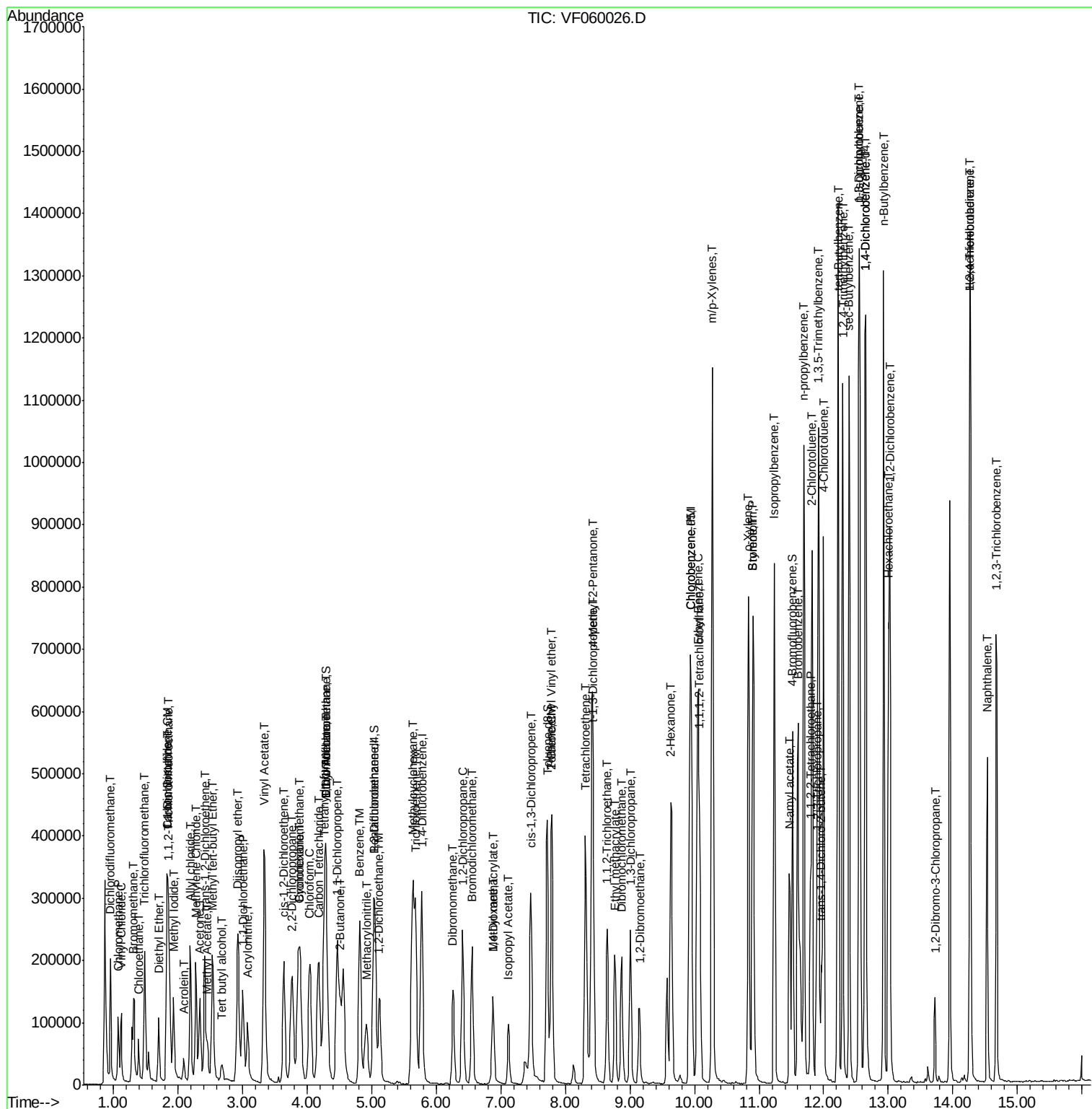
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	235720	46.206	ug/l	100
94) Hexachlorobutadiene	14.27	225	139661	41.659	ug/l	100
95) Naphthalene	14.53	128	386214	52.703	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	226039	46.196	ug/l	100

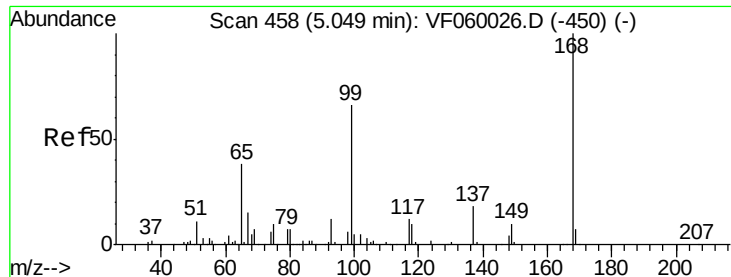
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

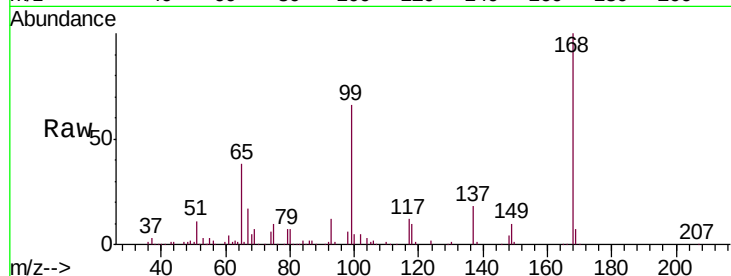
VSTDICCC050

Tgt Ion:168 Resp: 216604

Ion Ratio Lower Upper

168 100

99 65.8 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

60000

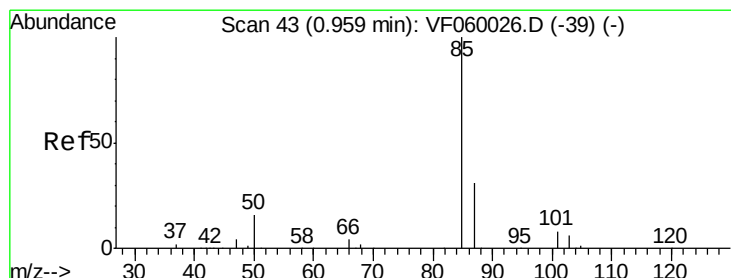
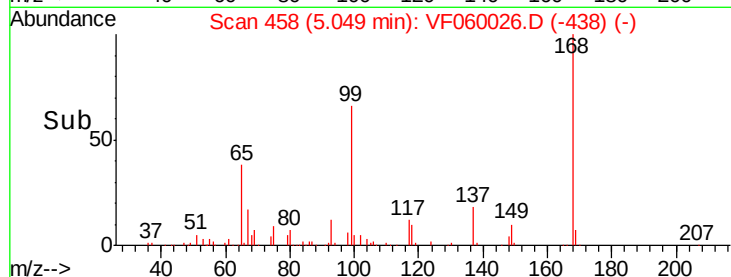
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 37.804 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060026.D

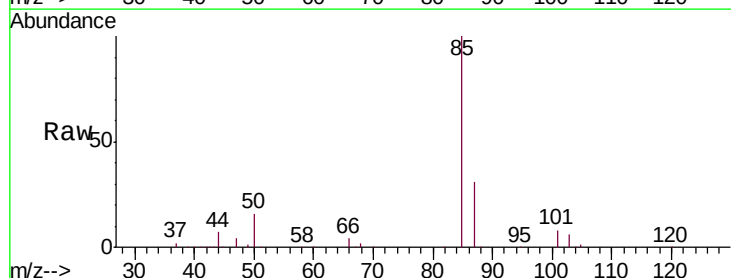
Acq: 21 Aug 2018 18:23

Tgt Ion: 85 Resp: 133917

Ion Ratio Lower Upper

85 100

87 30.6 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

120000

100000

80000

60000

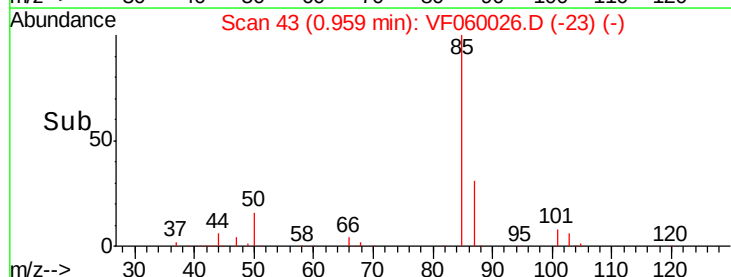
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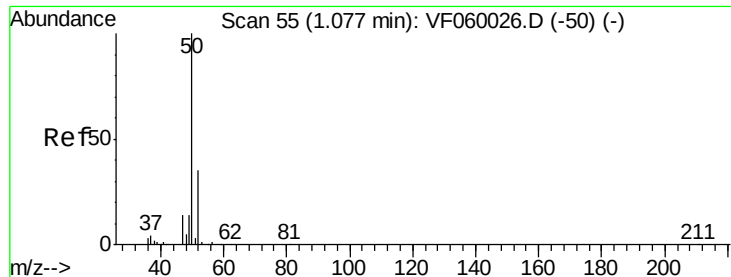
20000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 47.453 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

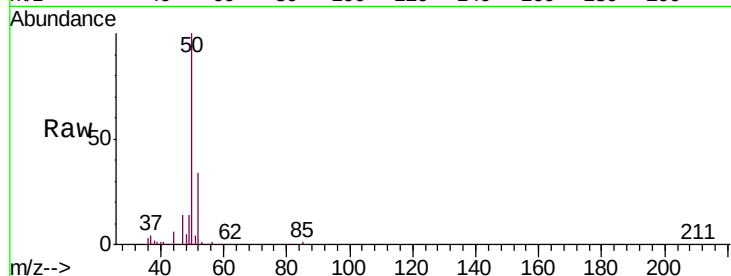
VSTDICCC050

Tgt Ion: 50 Resp: 93546

Ion Ratio Lower Upper

50 100

52 34.5 27.6 41.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

60000

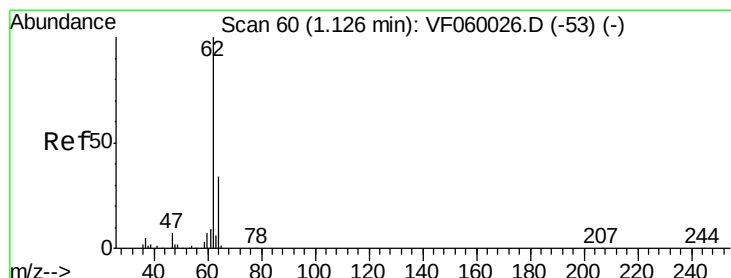
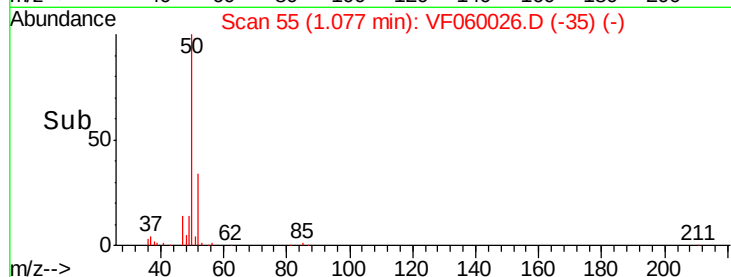
40000

20000

0

1.00 1.10 1.20

Time-->



#4

Vinyl Chloride

Concen: 39.027 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060026.D

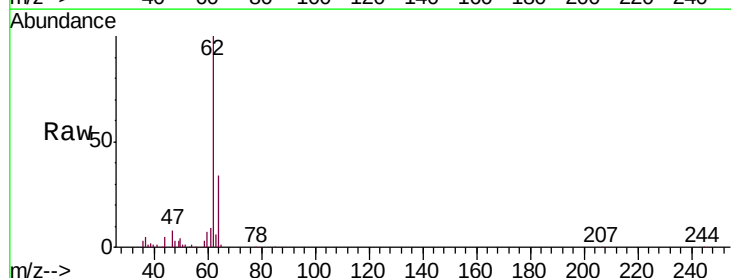
Acq: 21 Aug 2018 18:23

Tgt Ion: 62 Resp: 83910

Ion Ratio Lower Upper

62 100

64 34.3 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.13

60000

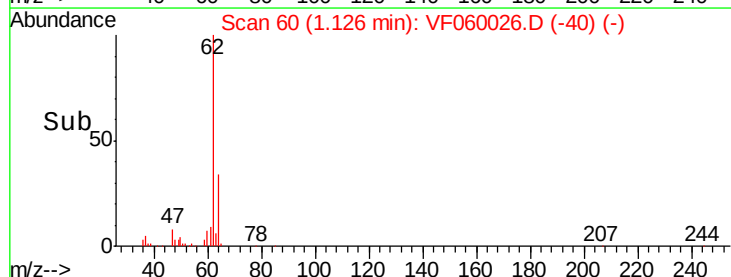
40000

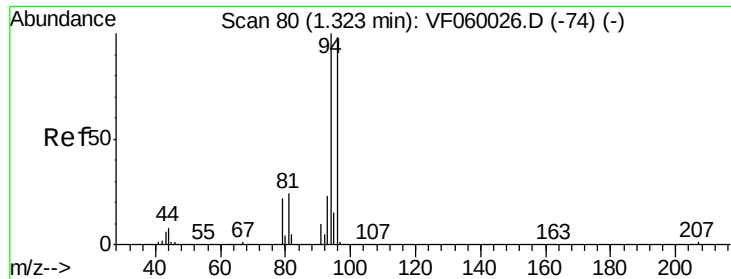
20000

0

1.00 1.10 1.20 1.30

Time-->





#5

Bromomethane

Concen: 31.567 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

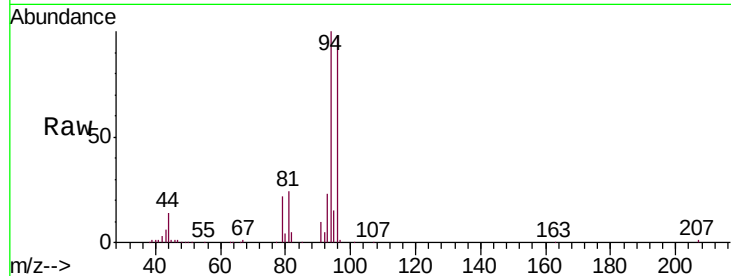
VSTDICCC050

Tgt Ion: 94 Resp: 64953

Ion Ratio Lower Upper

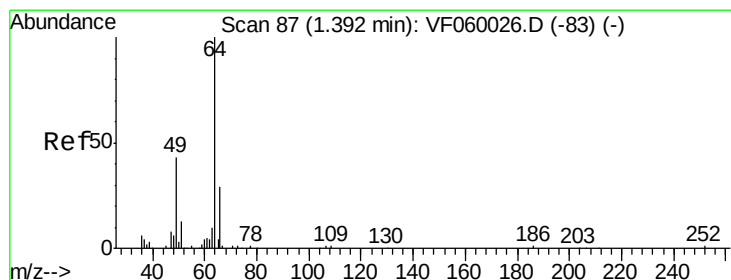
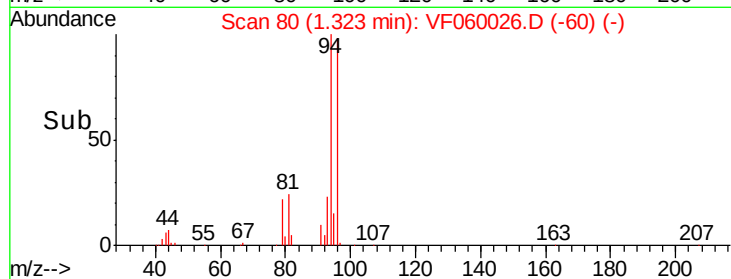
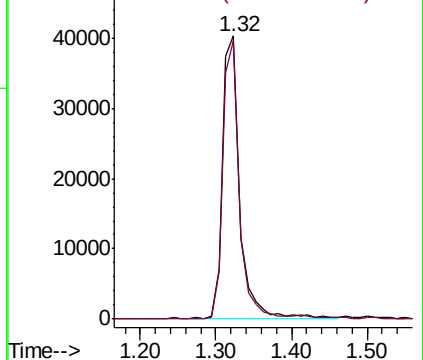
94 100

96 98.3 78.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 31.286 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060026.D

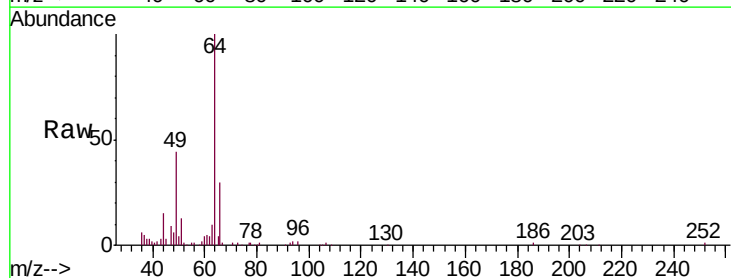
Acq: 21 Aug 2018 18:23

Tgt Ion: 64 Resp: 33611

Ion Ratio Lower Upper

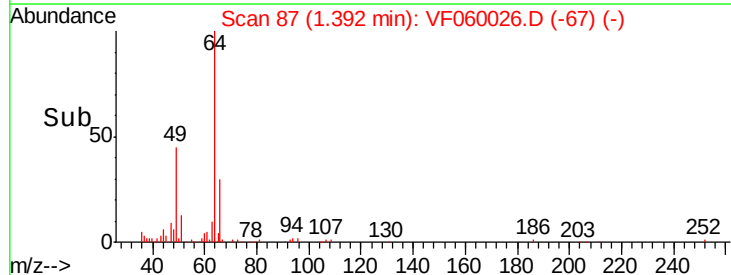
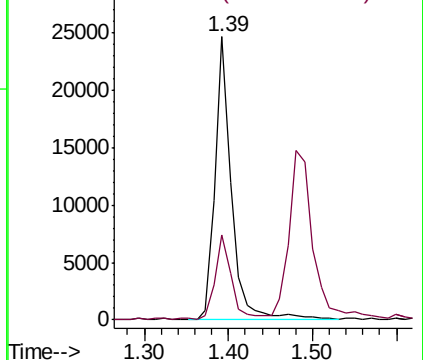
64 100

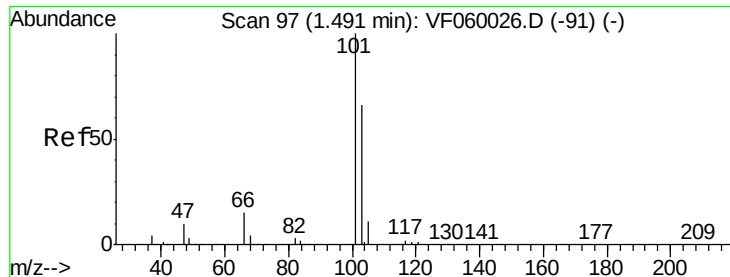
66 30.1 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



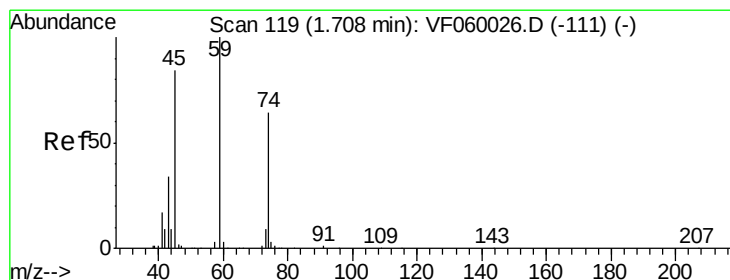
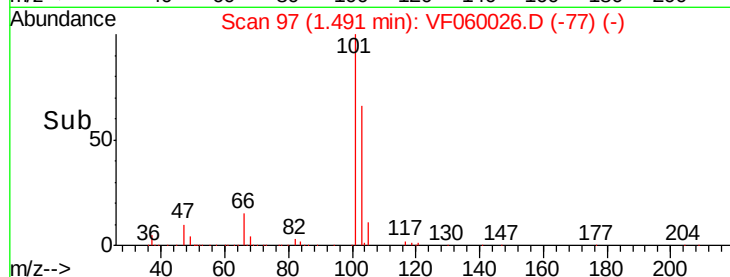
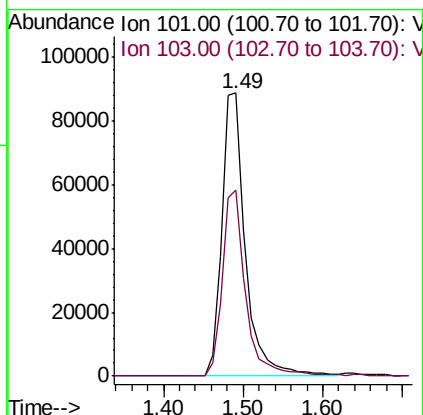
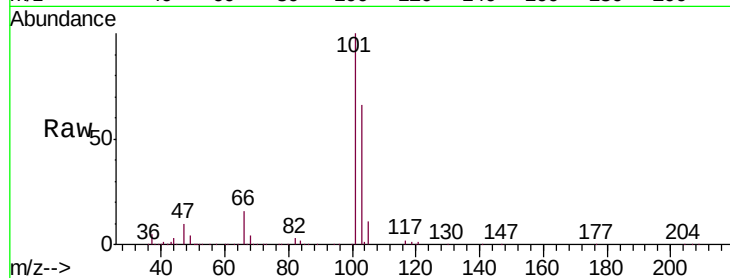


#7

Trichlorofluoromethane
 Concen: 31.415 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VF060026.D
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Instrument :
 MSVOA_F
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 VSTDICCC050

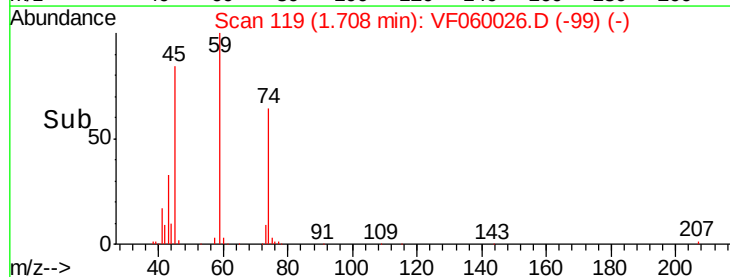
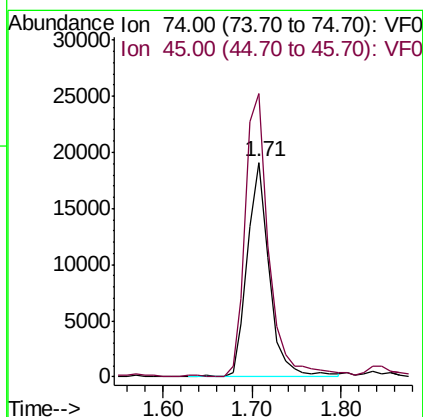
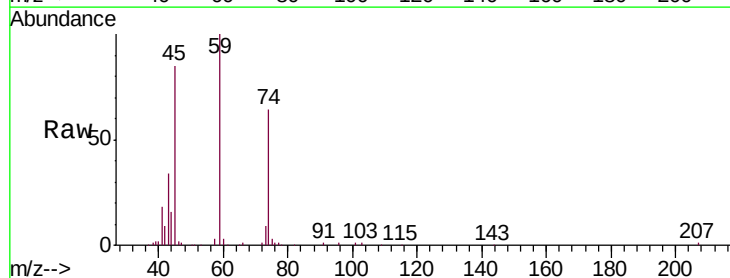
Tgt Ion: 101 Resp: 185612
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.5 78.7

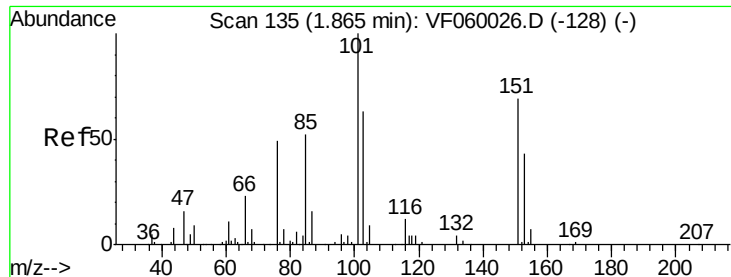


#8

Diethyl Ether
 Concen: 36.607 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion: 74 Resp: 32657
 Ion Ratio Lower Upper
 74 100
 45 132.0 66.0 198.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 33.613 ug/l

RT: 1.87 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

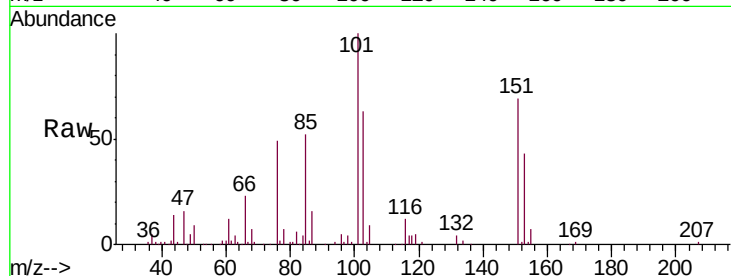
Tgt Ion:101 Resp: 94108

Ion Ratio Lower Upper

101 100

85 51.9 41.5 62.3

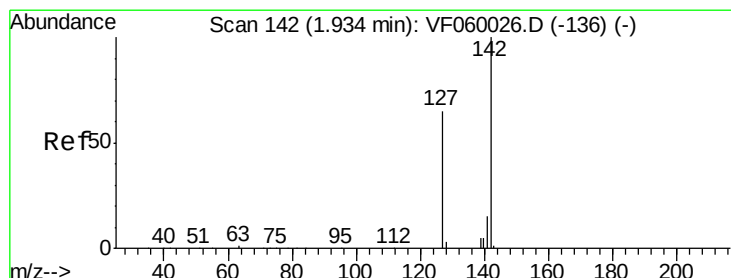
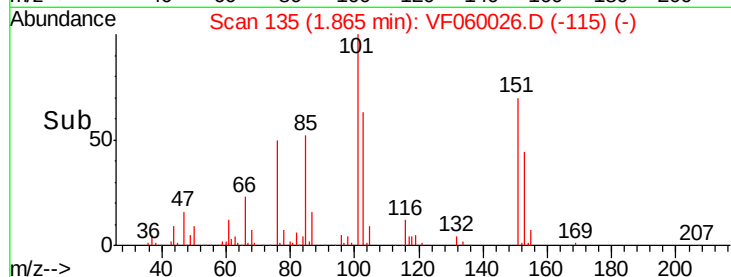
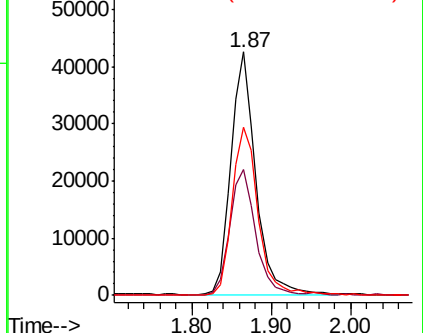
151 69.0 55.2 82.8



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: 36.677 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

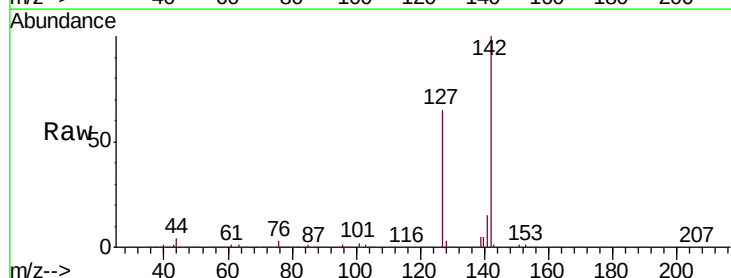
Tgt Ion:142 Resp: 129977

Ion Ratio Lower Upper

142 100

127 64.7 51.8 77.6

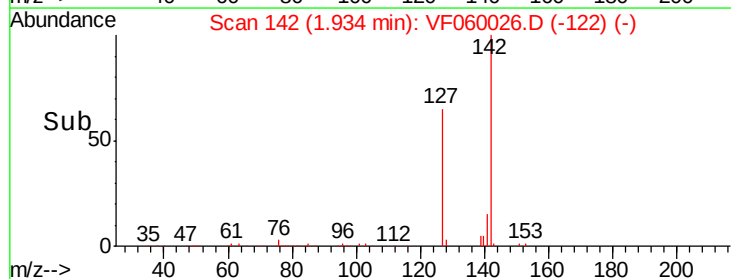
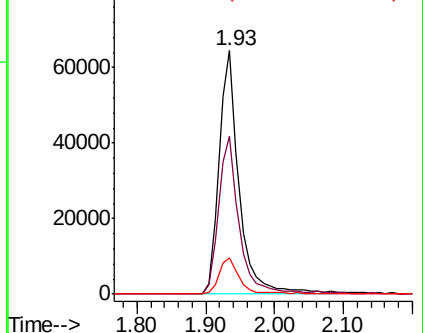
141 14.9 11.9 17.9

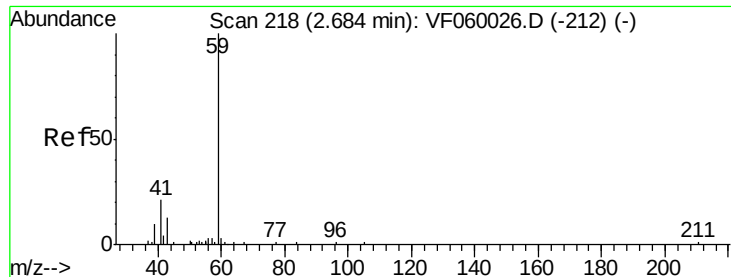


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



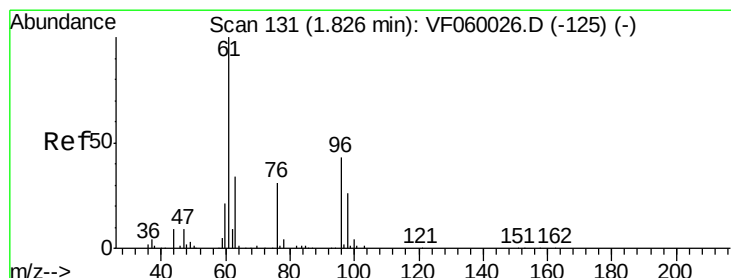
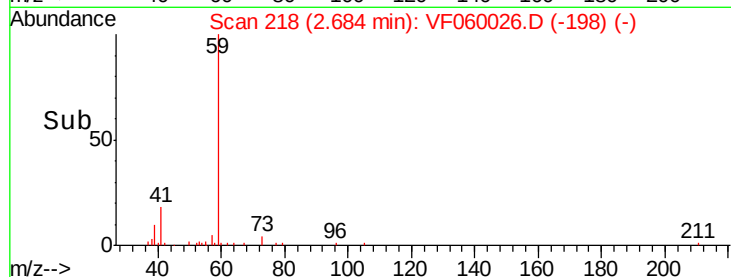
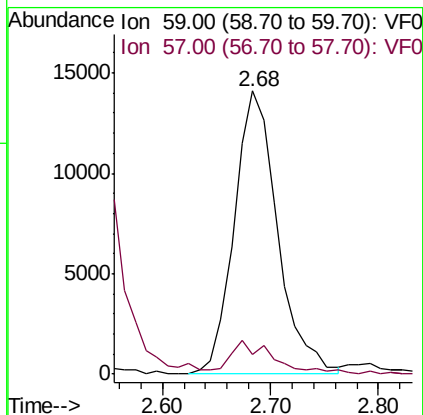
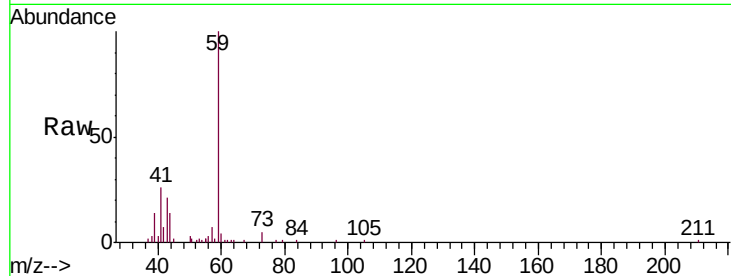


#11

Tert butyl alcohol
 Concen: 169.710 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

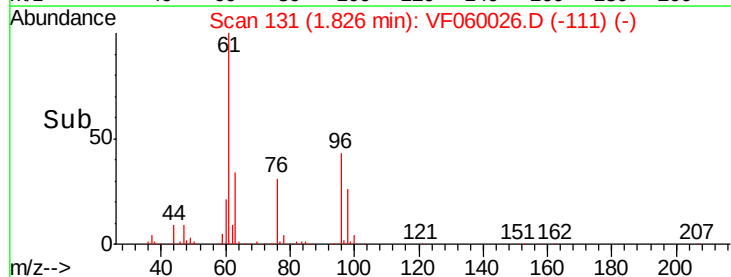
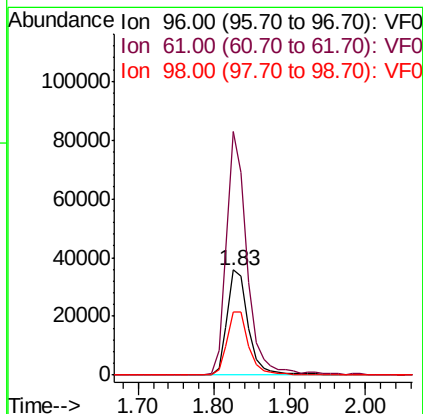
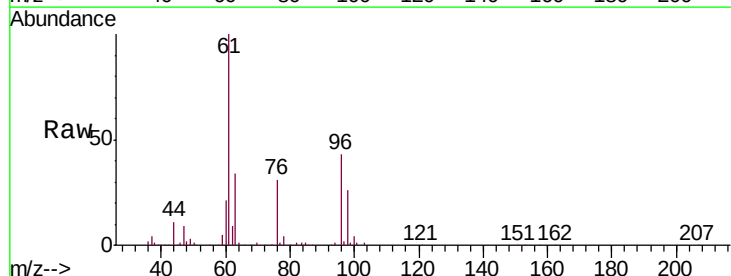
Tgt Ion: 59 Resp: 39396
 Ion Ratio Lower Upper
 59 100
 57 6.8 5.4 8.2

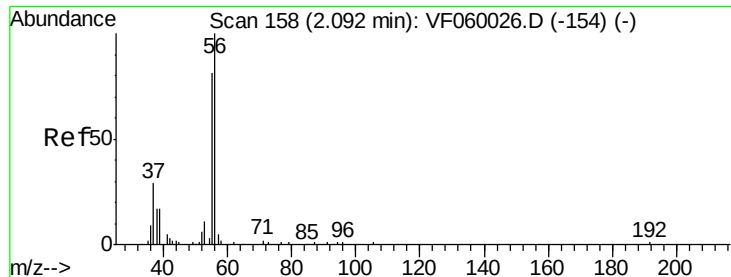


#12

1,1-Dichloroethene
 Concen: 35.723 ug/l
 RT: 1.83 min Scan# 131
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion: 96 Resp: 69825
 Ion Ratio Lower Upper
 96 100
 61 231.3 185.0 277.6
 98 59.8 47.8 71.8





#13

Acrolein

Concen: 187.152 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

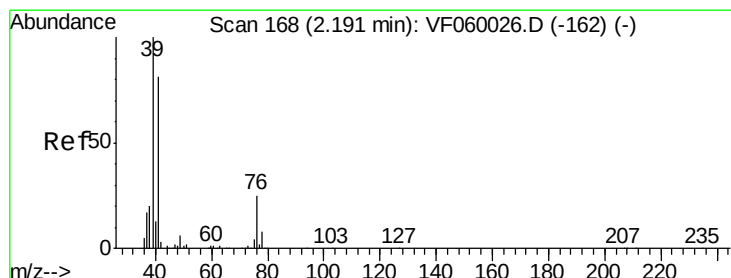
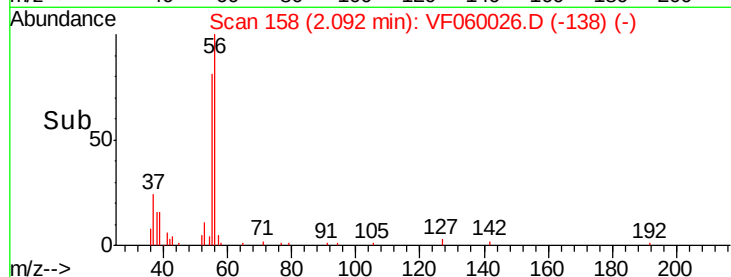
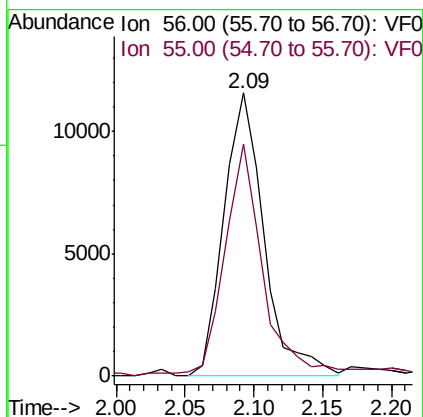
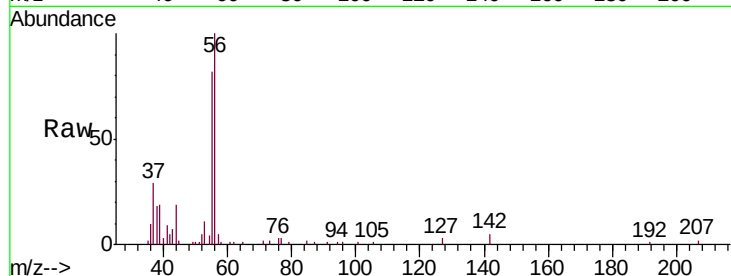
VSTDICCC050

Tgt Ion: 56 Resp: 23493

Ion Ratio Lower Upper

56 100

55 82.0 65.6 98.4



#14

Allyl chloride

Concen: 35.794 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

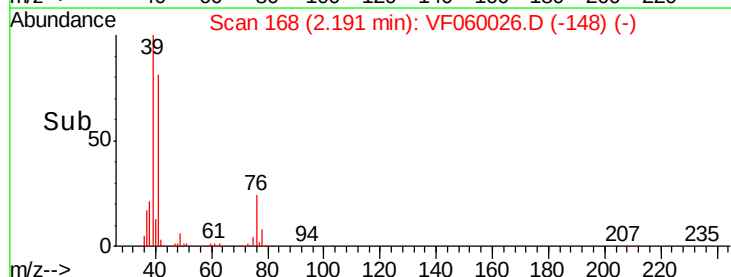
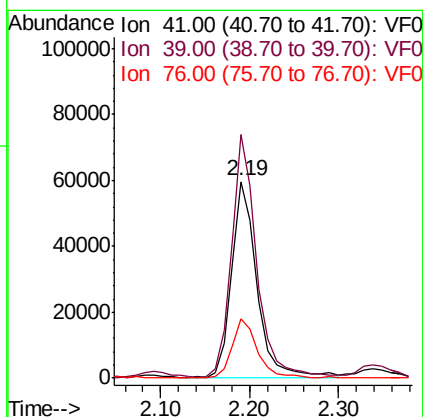
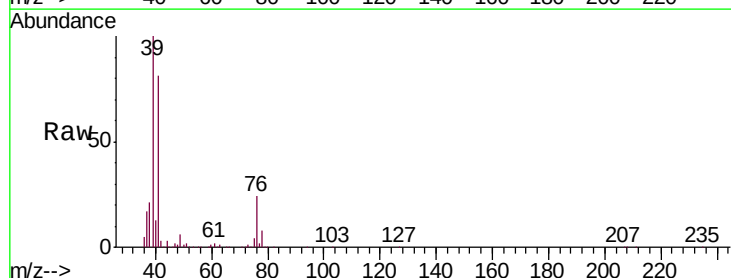
Tgt Ion: 41 Resp: 118382

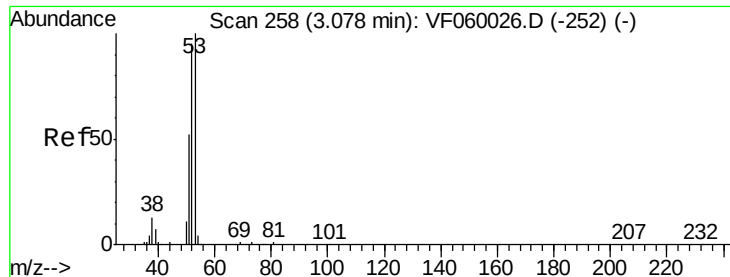
Ion Ratio Lower Upper

41 100

39 124.1 99.3 148.9

76 30.4 24.3 36.5





#15

Acrylonitrile

Concen: 195.386 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

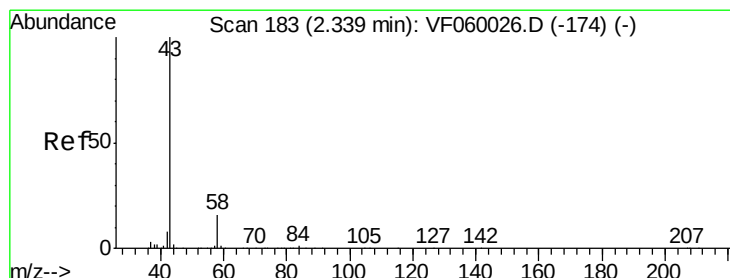
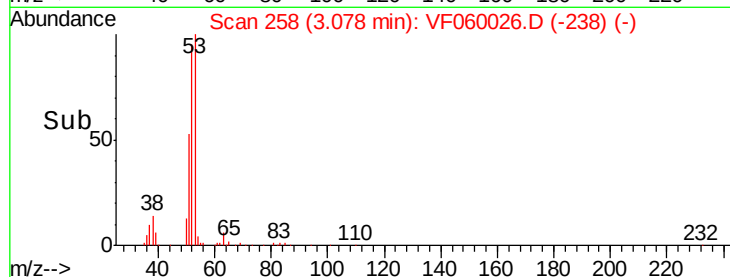
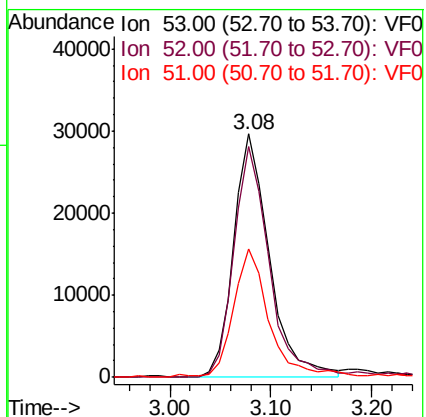
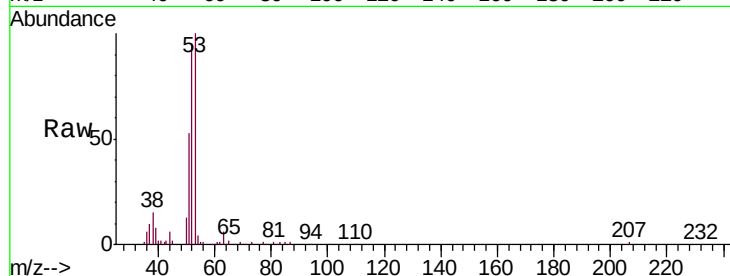
Tgt Ion: 53 Resp: 73191

Ion Ratio Lower Upper

53 100

52 94.8 75.8 113.8

51 52.6 42.1 63.1



#16

Acetone

Concen: 157.768 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF060026.D

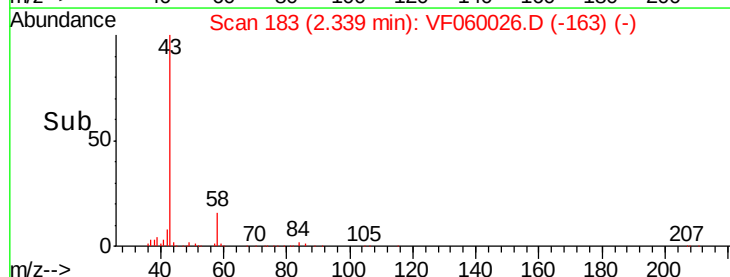
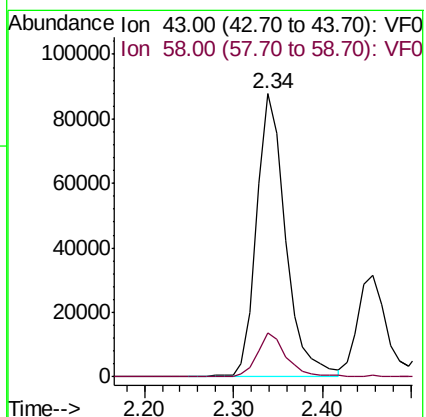
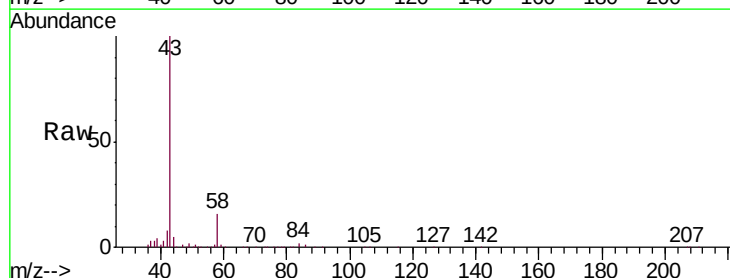
Acq: 21 Aug 2018 18:23

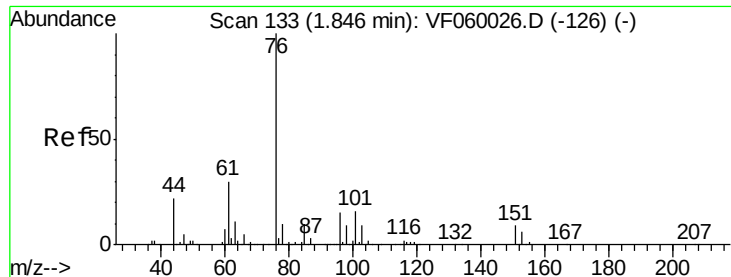
Tgt Ion: 43 Resp: 195991

Ion Ratio Lower Upper

43 100

58 15.8 12.6 19.0

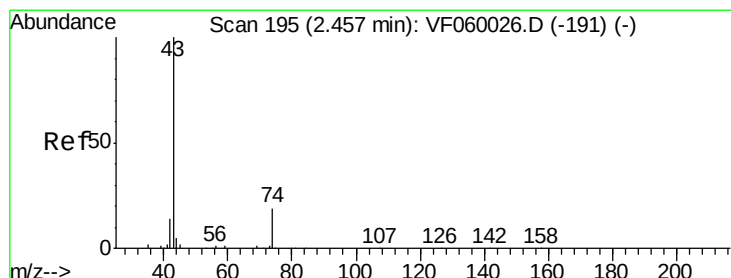
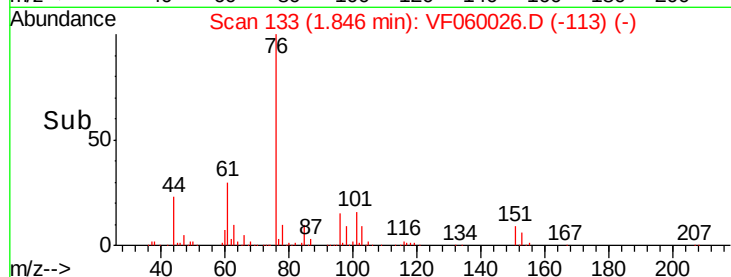
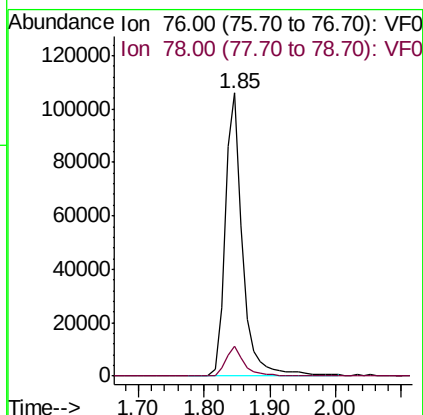
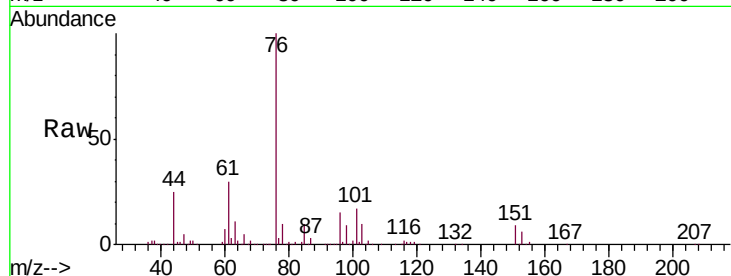




#17
Carbon Disulfide
Concen: 31.594 ug/l
RT: 1.85 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

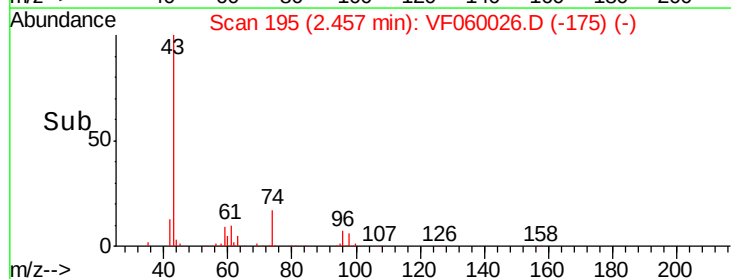
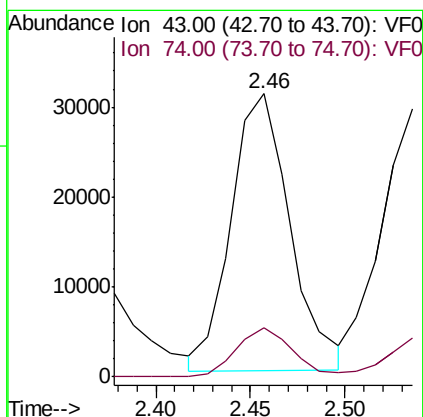
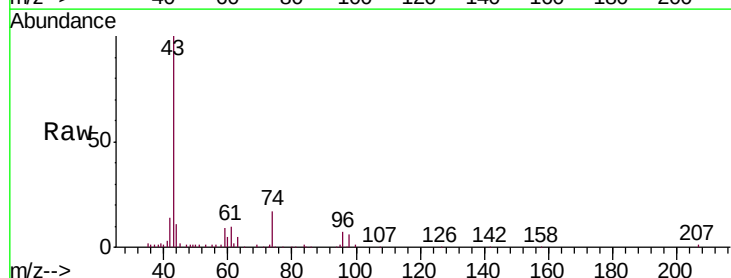
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

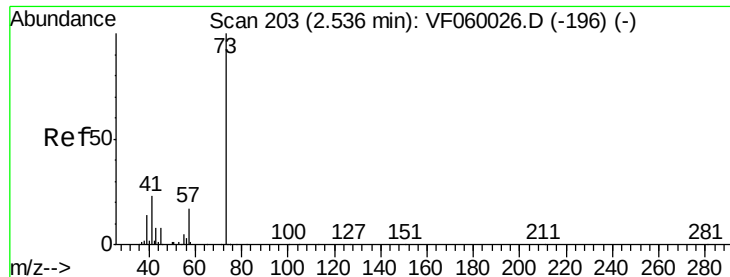
Tgt Ion: 76 Resp: 195383
Ion Ratio Lower Upper
76 100
78 10.5 8.4 12.6



#18
Methyl Acetate
Concen: 28.044 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion: 43 Resp: 66511
Ion Ratio Lower Upper
43 100
74 17.2 13.8 20.6





#19

Methyl tert-butyl Ether

Concen: 34.960 ug/l

RT: 2.54 min Scan# 203

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

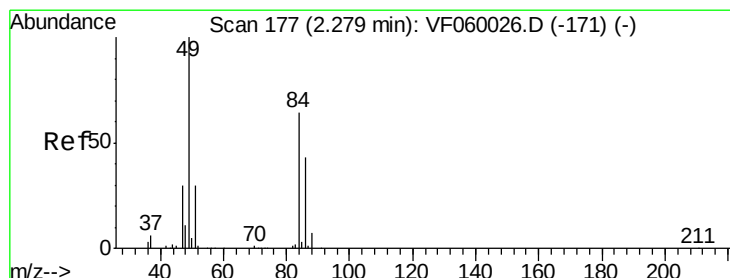
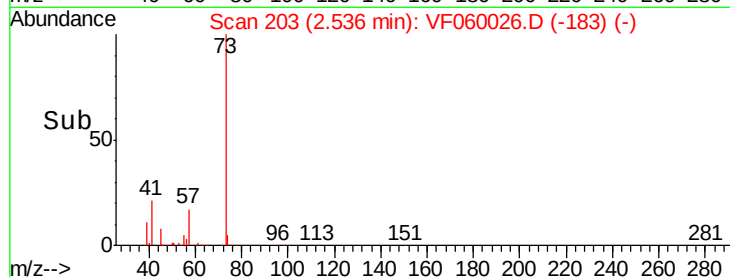
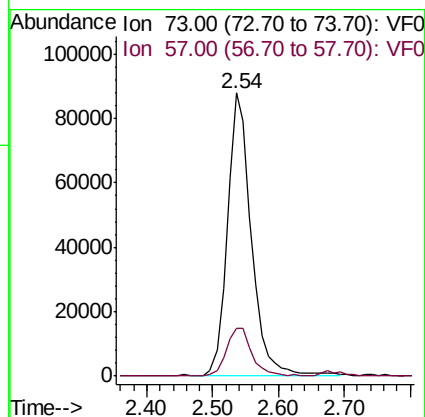
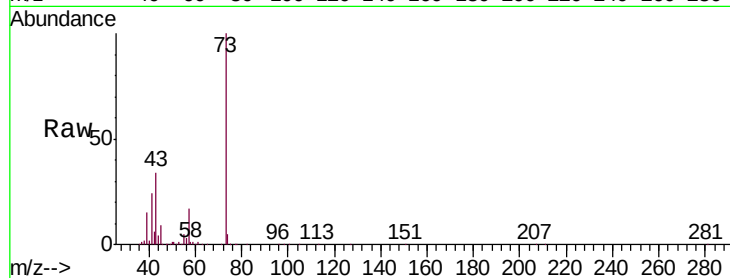
VSTDICCC050

Tgt Ion: 73 Resp: 222415

Ion Ratio Lower Upper

73 100

57 17.1 13.7 20.5



#20

Methylene Chloride

Concen: 28.177 ug/l

RT: 2.28 min Scan# 177

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion: 84 Resp: 77861

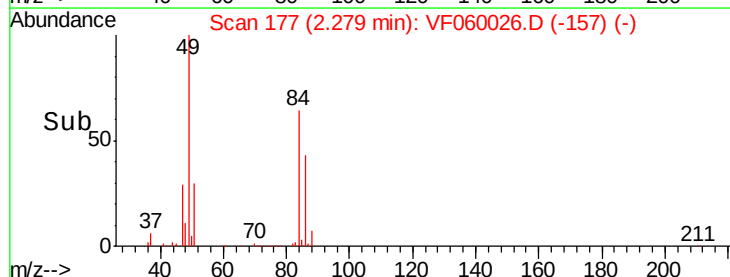
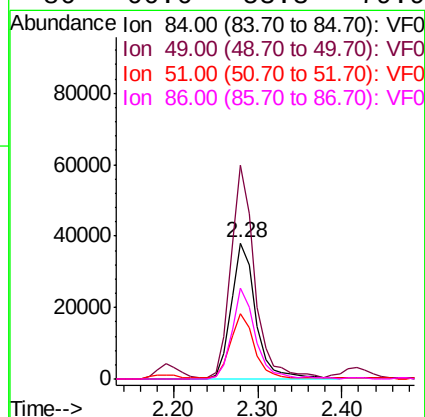
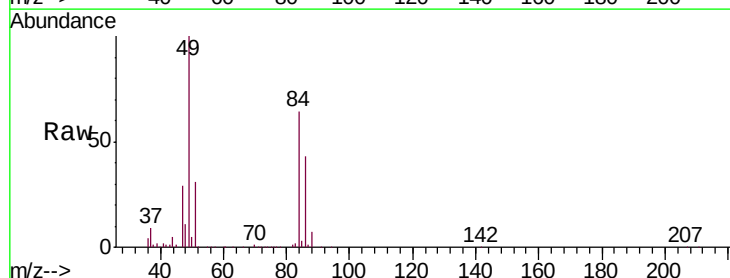
Ion Ratio Lower Upper

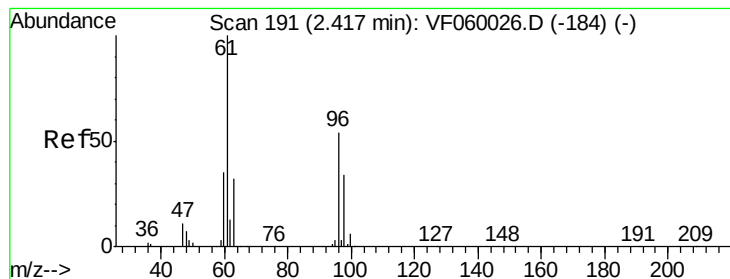
84 100

49 156.7 125.4 188.0

51 47.9 38.3 57.5

86 66.6 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 33.759 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

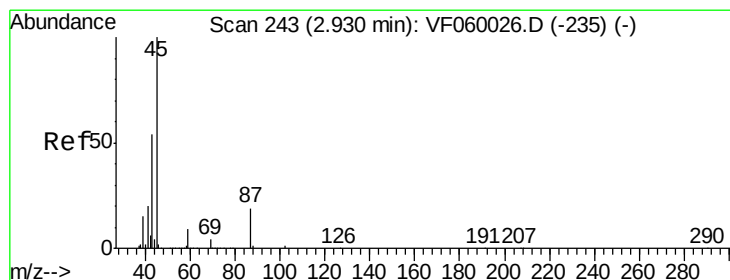
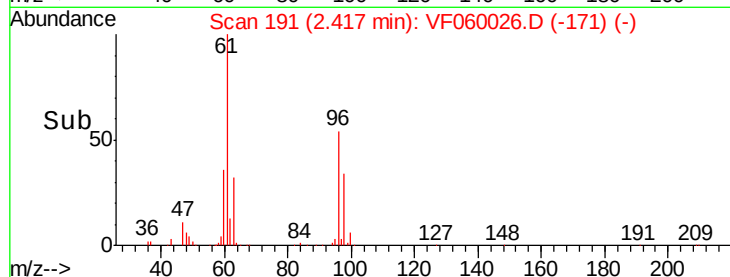
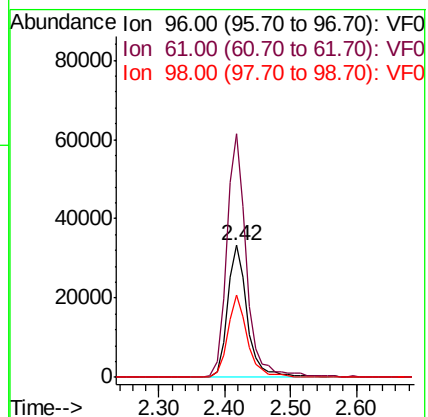
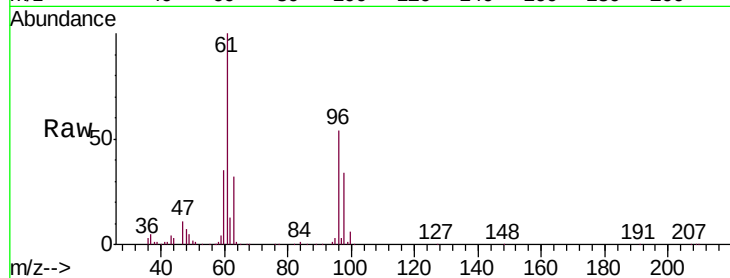
Tgt Ion: 96 Resp: 70726

Ion Ratio Lower Upper

96 100

61 184.2 147.4 221.0

98 62.2 49.8 74.6



#22

Diisopropyl ether

Concen: 38.783 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion: 45 Resp: 275205

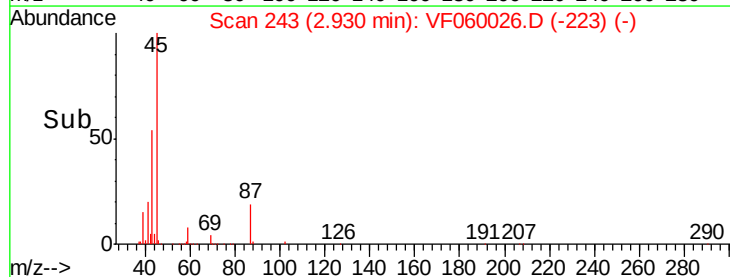
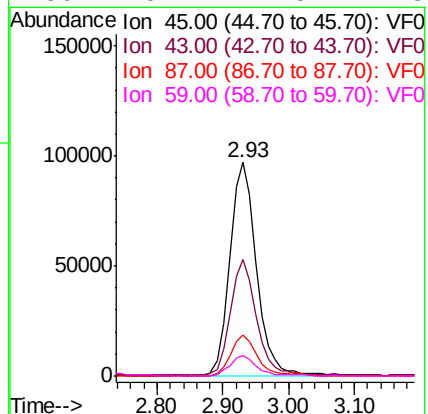
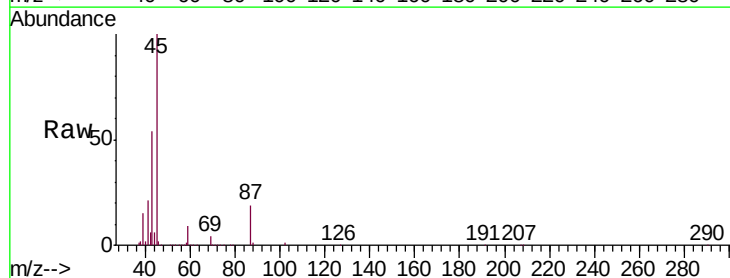
Ion Ratio Lower Upper

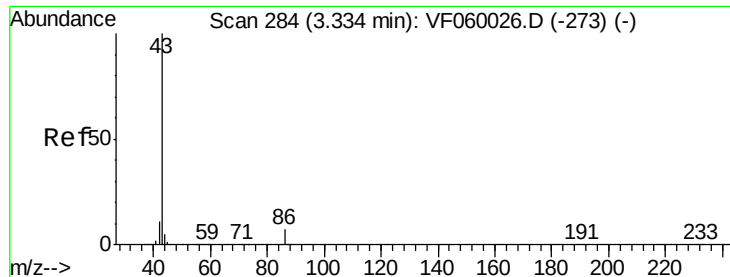
45 100

43 54.3 43.4 65.2

87 19.3 15.4 23.2

59 9.4 7.5 11.3





#23

Vinyl Acetate

Concen: 264.277 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

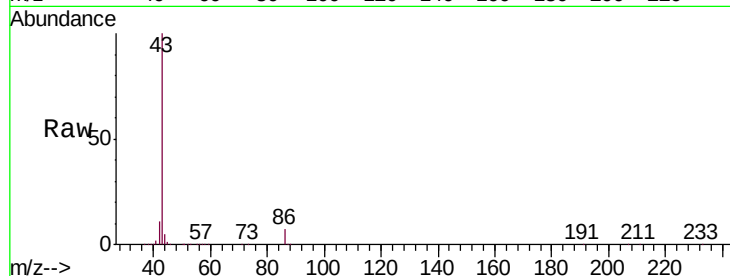
VSTDICCC050

Tgt Ion: 43 Resp: 783928

Ion Ratio Lower Upper

43 100

86 7.0 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

300000

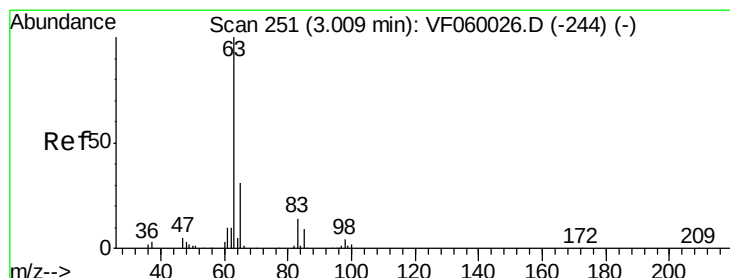
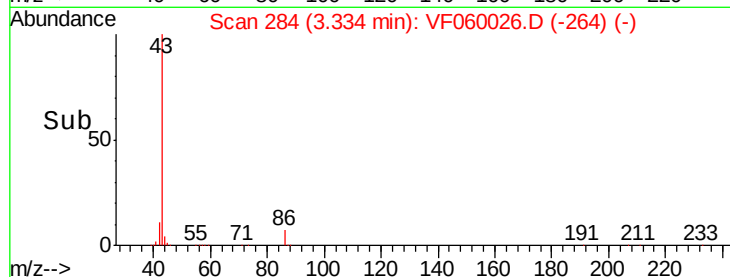
200000

100000

0

Time-->

3.10 3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 36.443 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

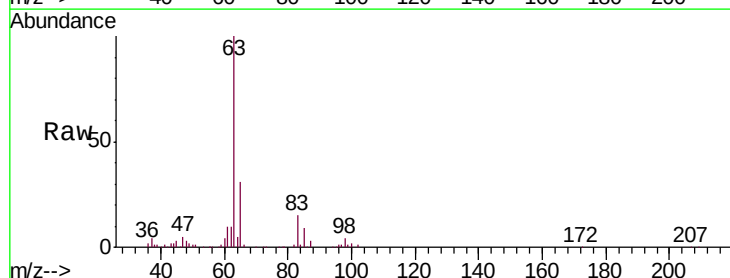
Tgt Ion: 63 Resp: 166978

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

100 2.2 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.01

80000

60000

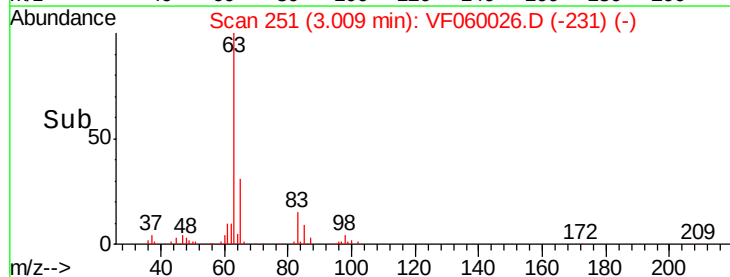
40000

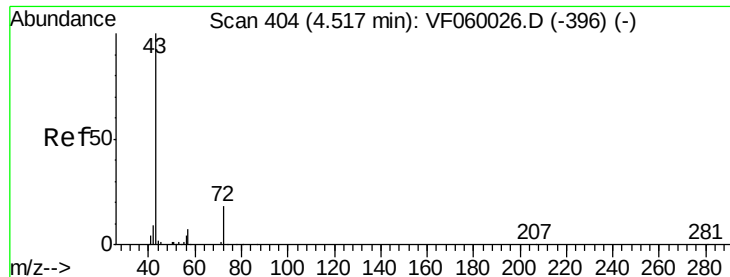
20000

0

Time-->

2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 244.934 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

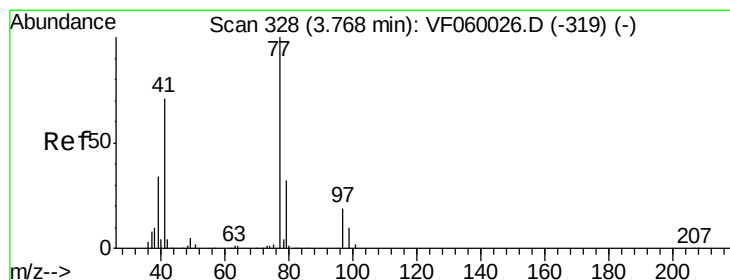
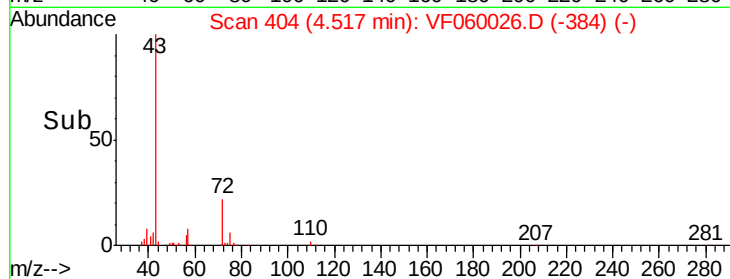
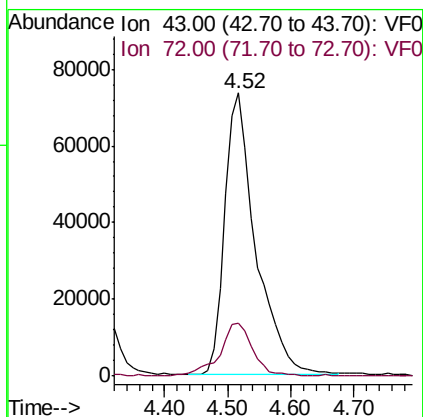
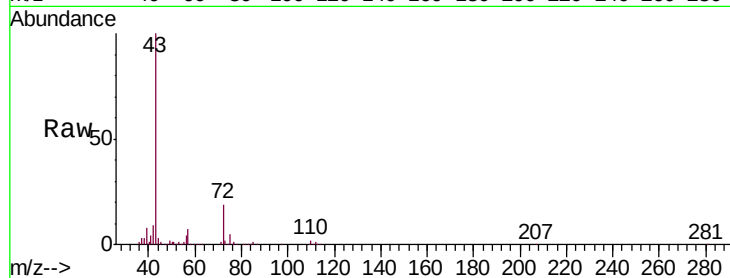
VSTDICCC050

Tgt Ion: 43 Resp: 251237

Ion Ratio Lower Upper

43 100

72 18.8 15.0 22.6



#26

2,2-Dichloropropane

Concen: 41.973 ug/l

RT: 3.77 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF060026.D

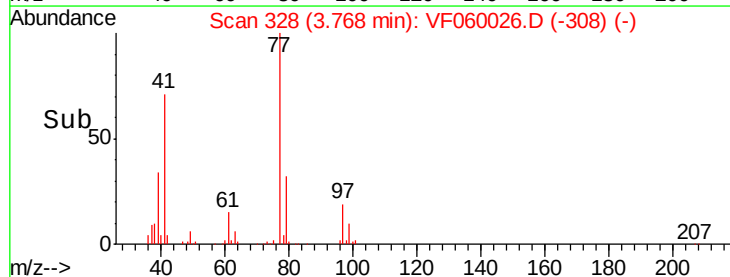
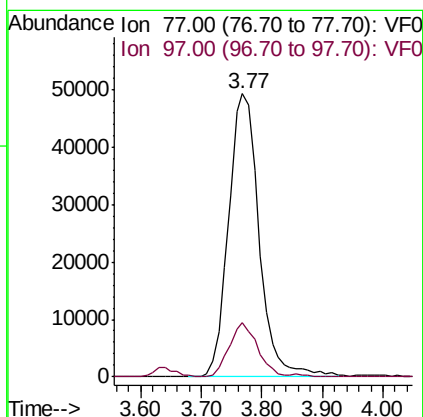
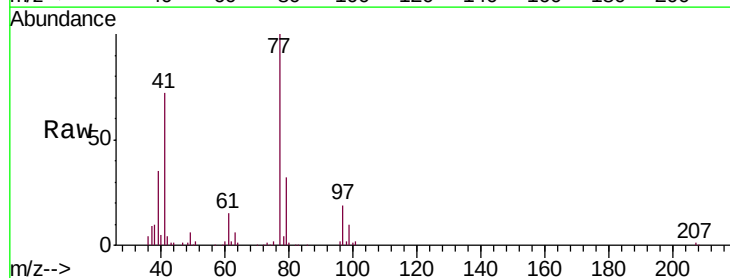
Acq: 21 Aug 2018 18:23

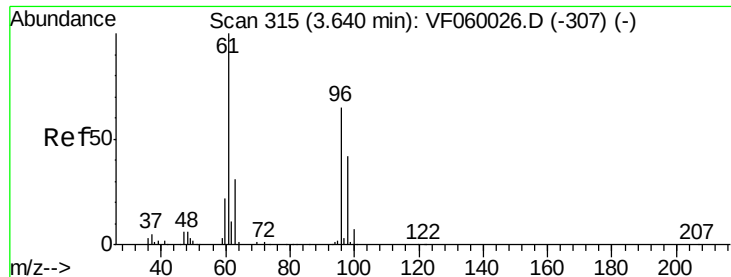
Tgt Ion: 77 Resp: 173643

Ion Ratio Lower Upper

77 100

97 19.4 9.7 29.1



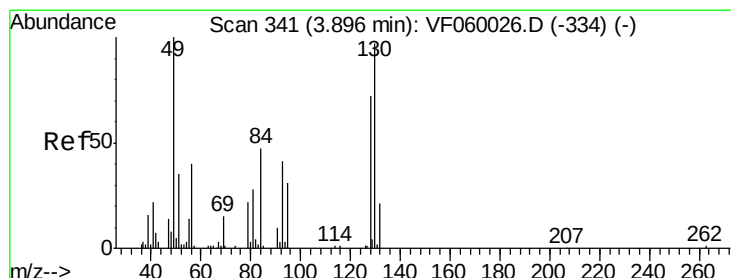
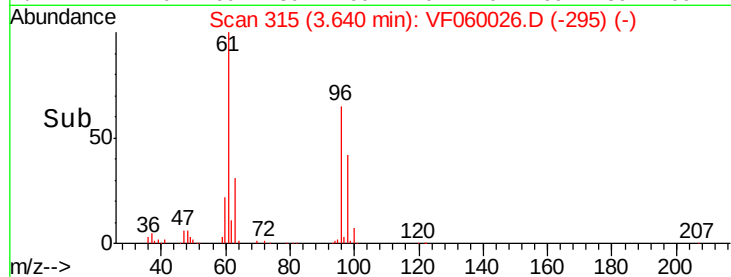
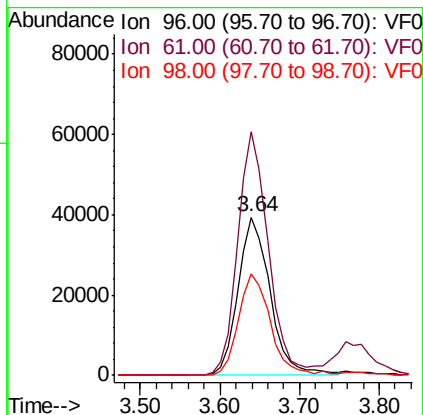
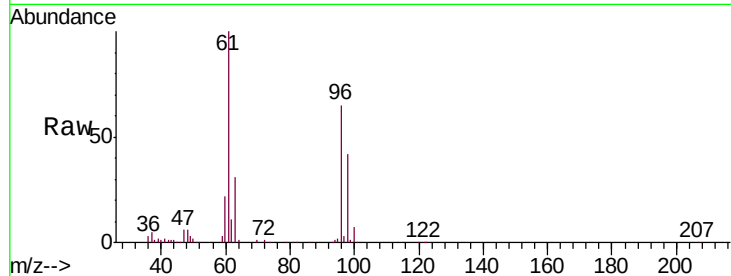


#27

cis-1,2-Dichloroethene
 Concen: 54.127 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

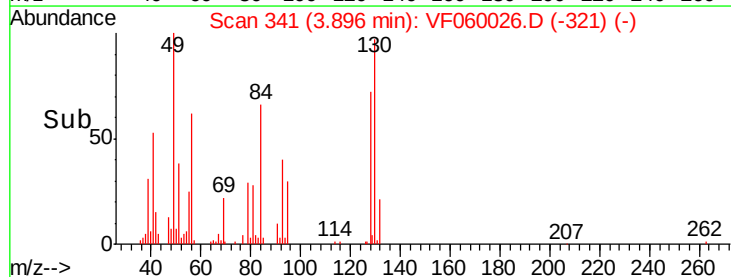
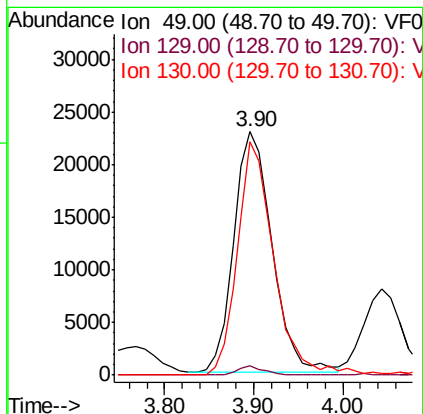
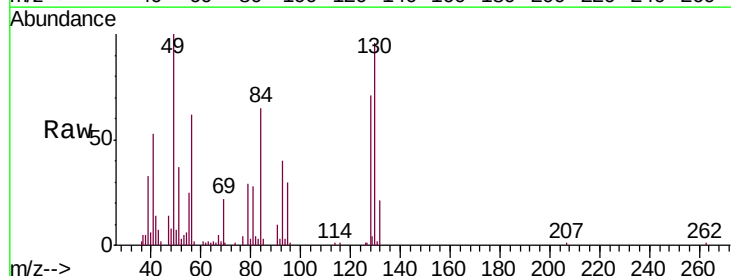
Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.8	0.0	307.6
98	64.2	0.0	128.4

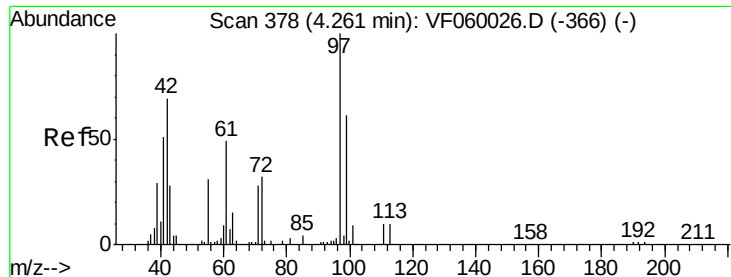


#28

Bromochloromethane
 Concen: 48.485 ug/l
 RT: 3.90 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.7	0.0	7.4
130	97.5	78.0	117.0

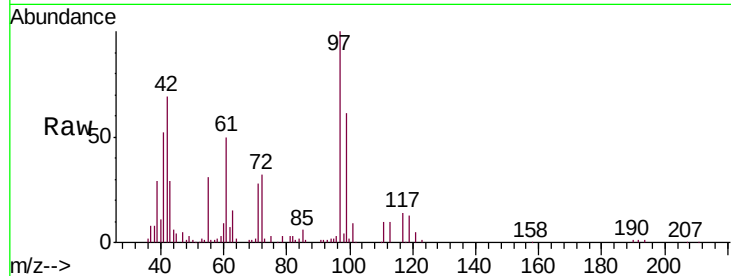




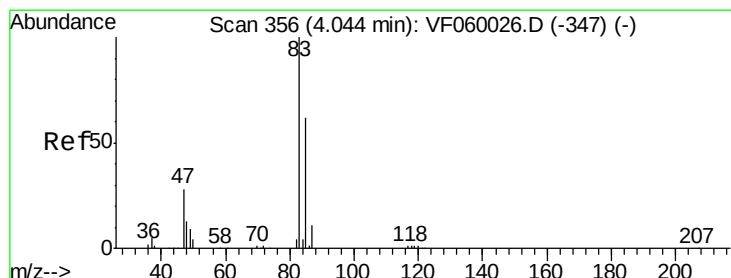
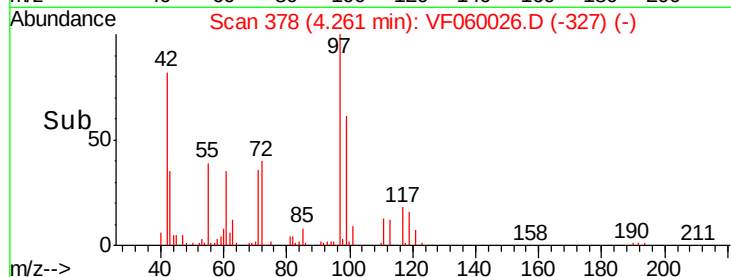
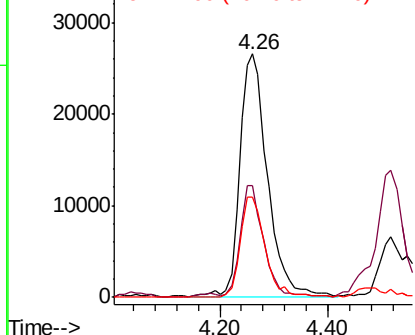
#29
Tetrahydrofuran
Concen: 257.791 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 94861
Ion Ratio Lower Upper
42 100
72 39.3 31.4 47.2
71 37.1 29.7 44.5

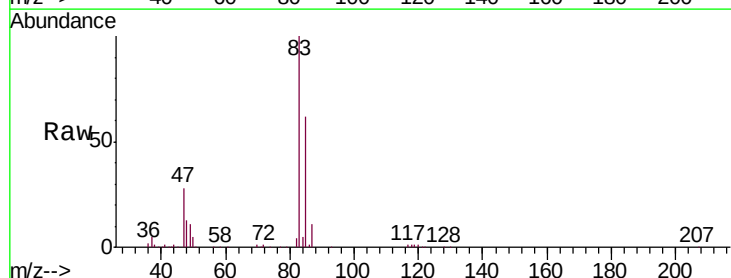


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

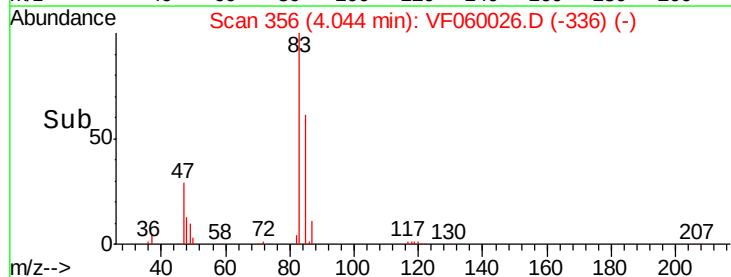
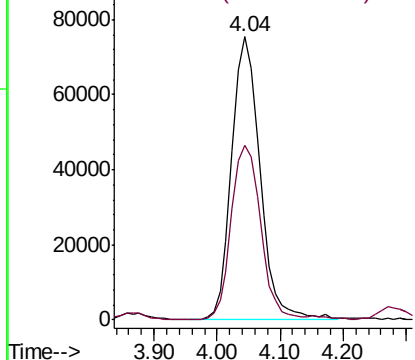


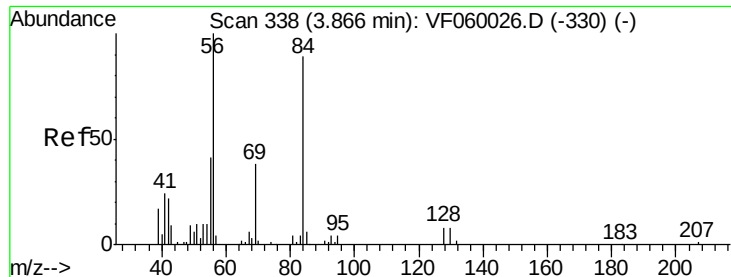
#30
Chloroform
Concen: 42.987 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion: 83 Resp: 236333
Ion Ratio Lower Upper
83 100
85 61.9 49.5 74.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

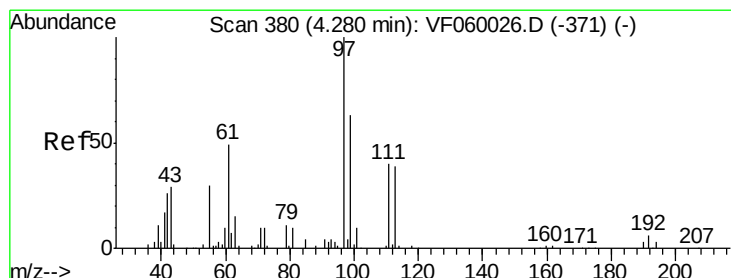
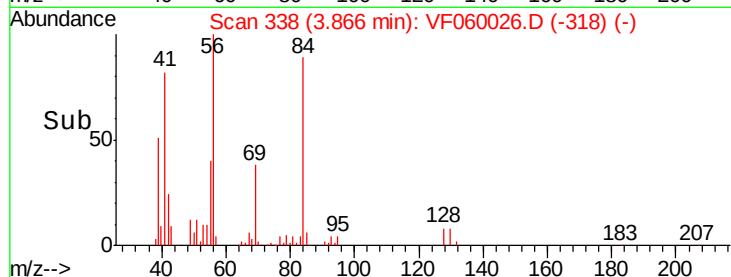
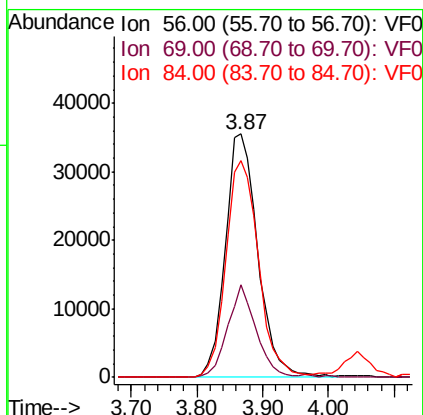
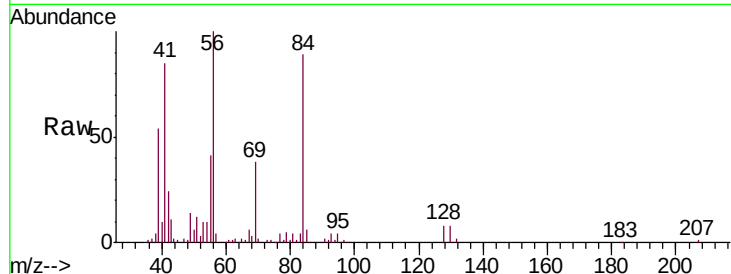




#31
Cyclohexane
Concen: 53.675 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

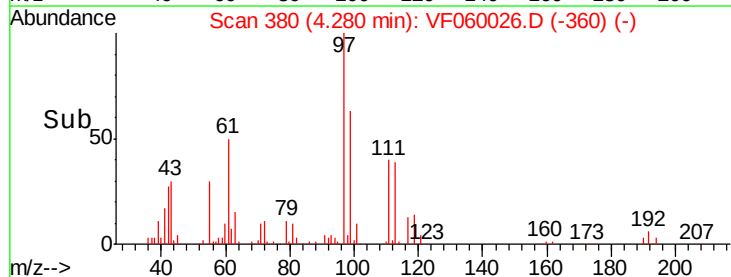
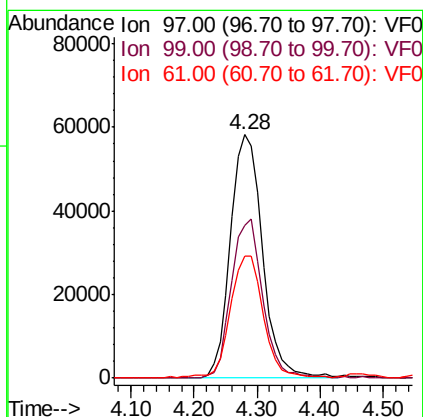
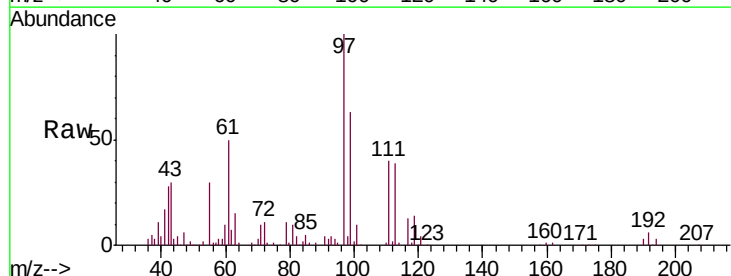
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

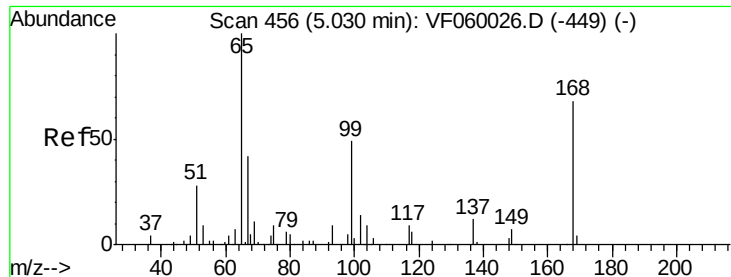
Tgt Ion: 56 Resp: 122894
Ion Ratio Lower Upper
56 100
69 38.0 30.4 45.6
84 89.3 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 39.098 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion: 97 Resp: 205278
Ion Ratio Lower Upper
97 100
99 62.9 50.3 75.5
61 50.4 40.3 60.5

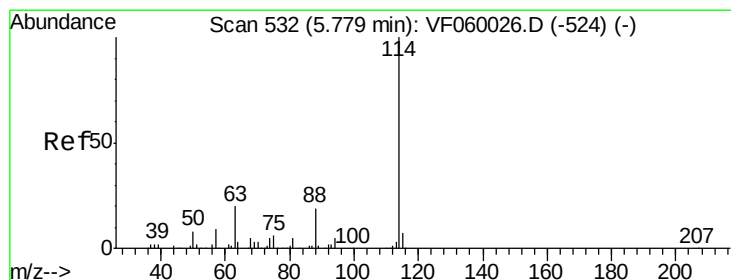
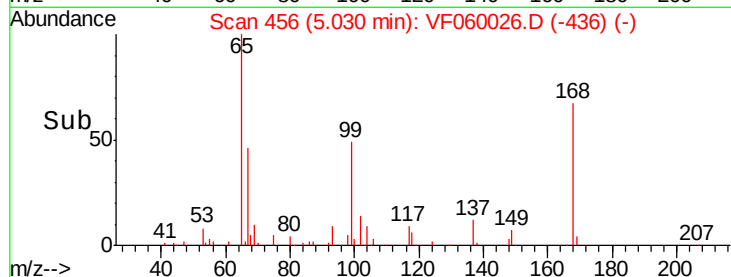
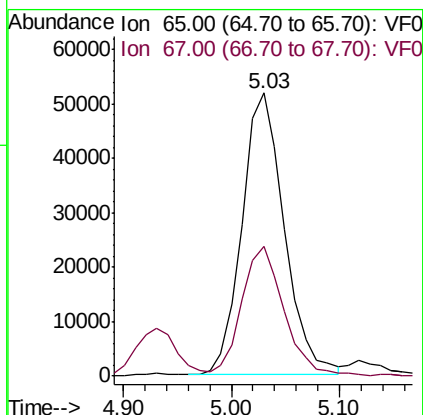
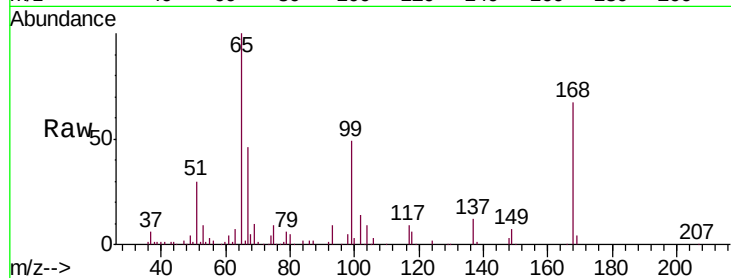




#33
 1,2-Dichloroethane-d4
 Concen: 35.459 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

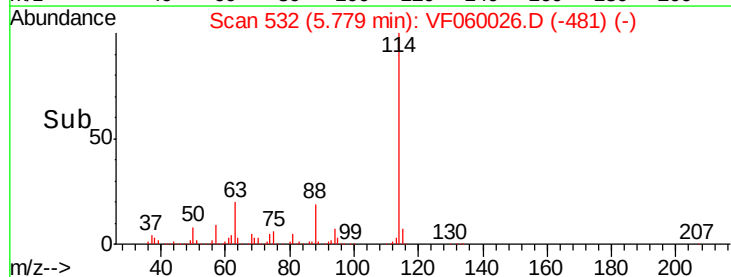
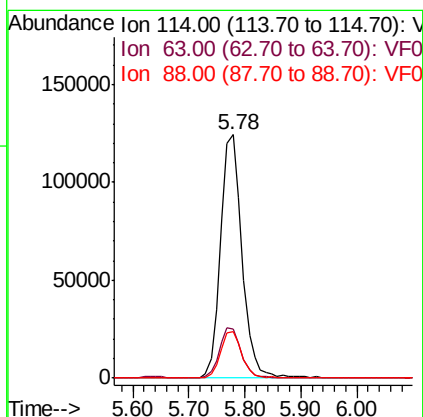
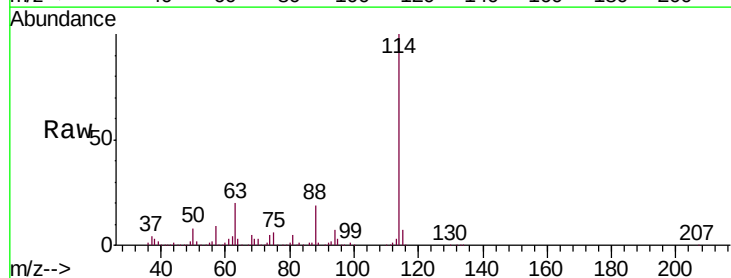
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

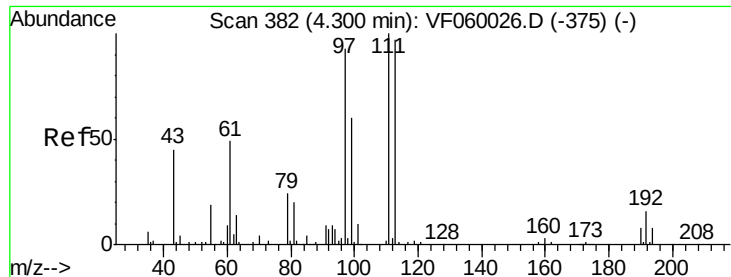
Tgt Ion: 65 Resp: 141680
 Ion Ratio Lower Upper
 65 100
 67 46.0 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion: 114 Resp: 334248
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.4
 88 19.3 0.0 38.6

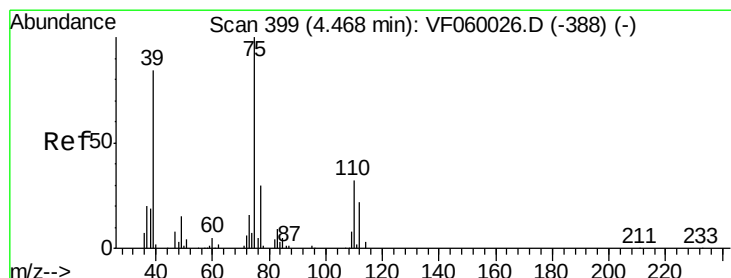
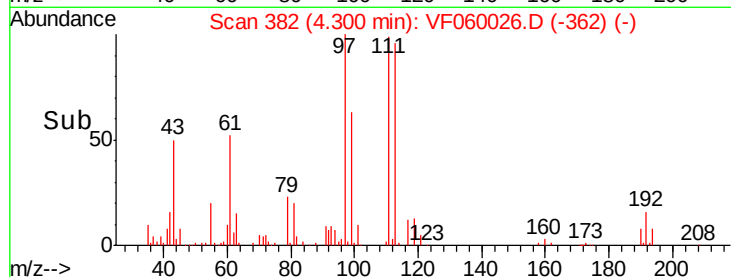
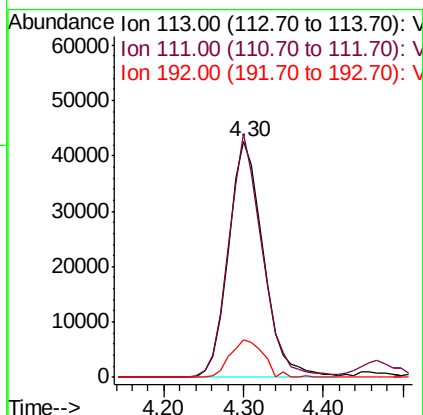
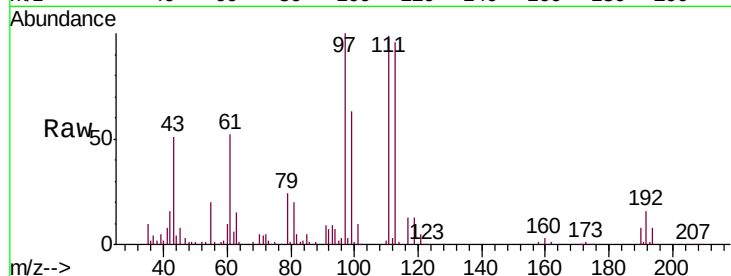




#35
 Dibromofluoromethane
 Concen: 39.657 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

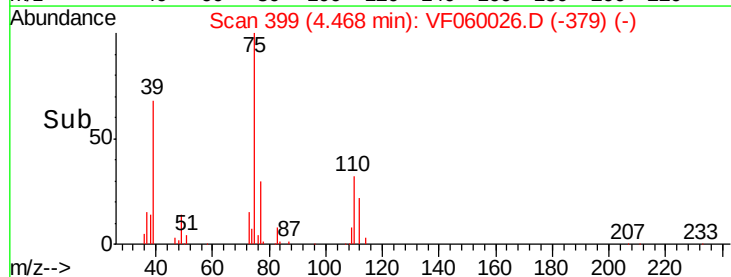
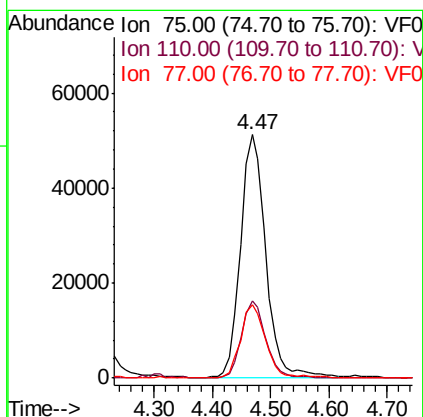
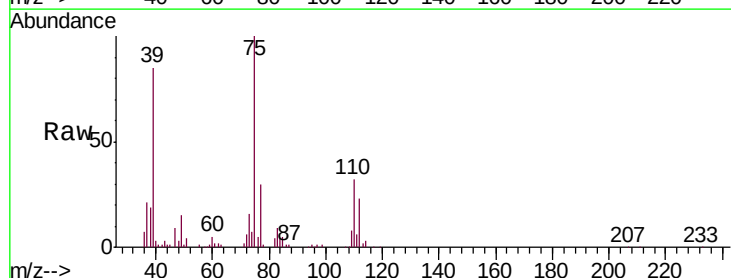
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

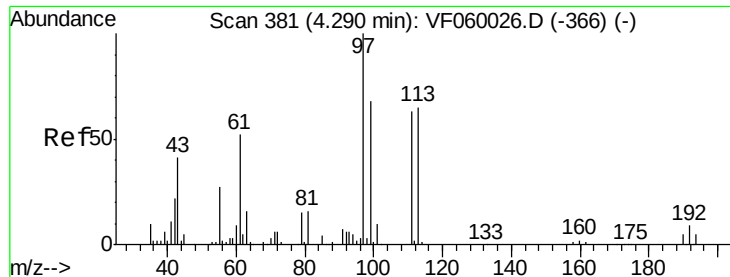
Tgt Ion:113 Resp: 130300
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.7 124.1
 192 16.2 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 40.958 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion: 75 Resp: 153490
 Ion Ratio Lower Upper
 75 100
 110 31.9 16.0 47.9
 77 30.1 24.1 36.1

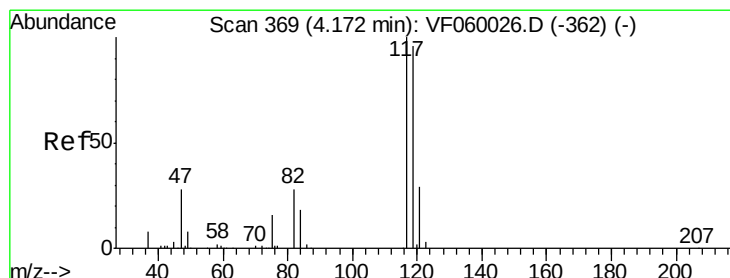
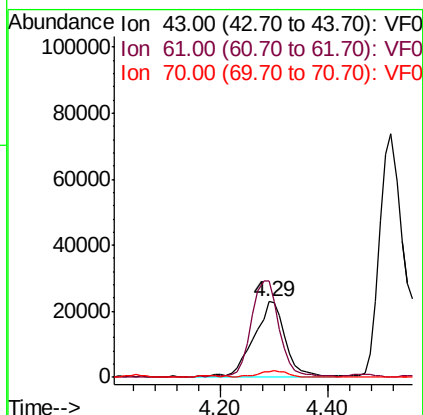
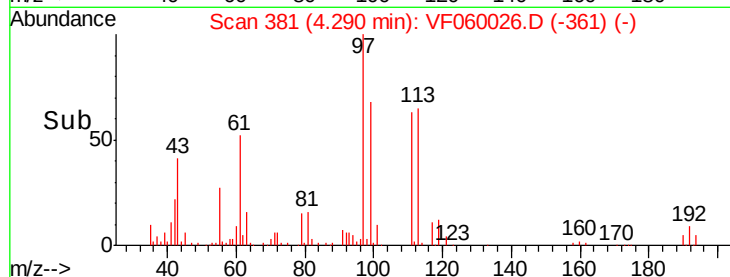
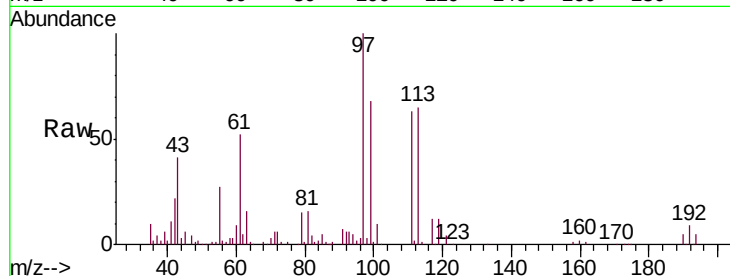




#37
Ethyl Acetate
Concen: 44.746 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

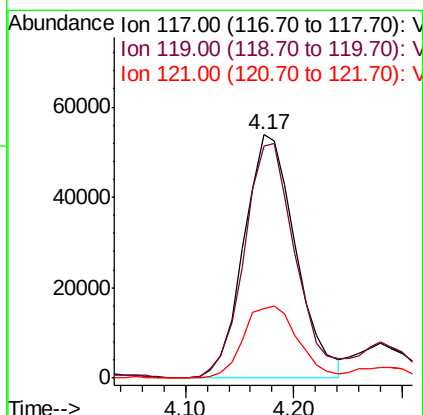
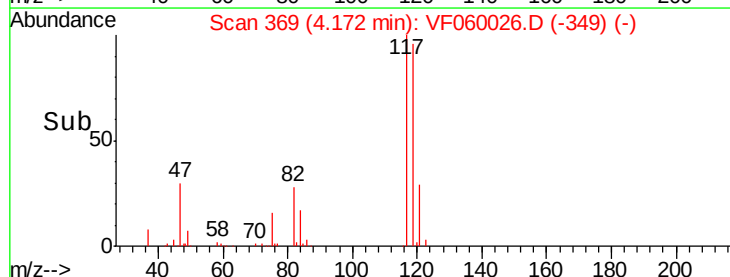
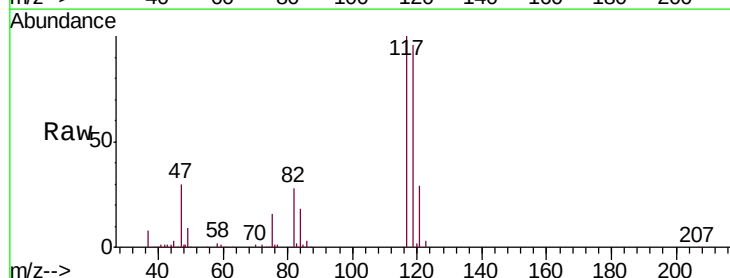
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

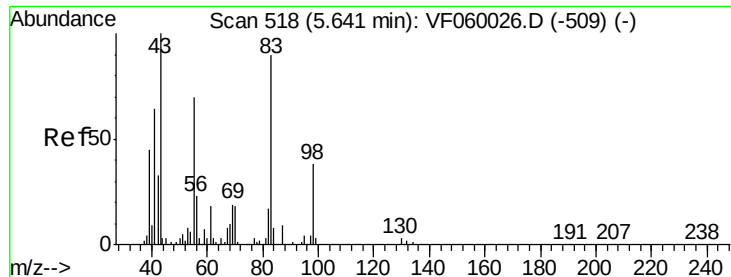
Tgt Ion: 43 Resp: 91718
Ion Ratio Lower Upper
43 100
61 126.9 101.5 152.3
70 8.0 6.4 9.6



#38
Carbon Tetrachloride
Concen: 34.624 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion: 117 Resp: 179063
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7
121 28.8 23.0 34.6

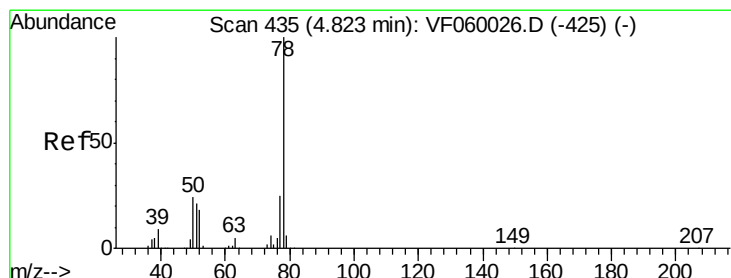
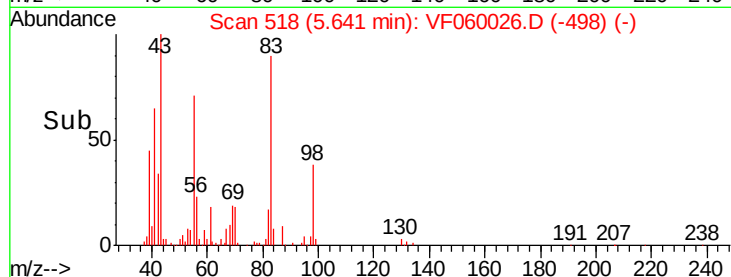
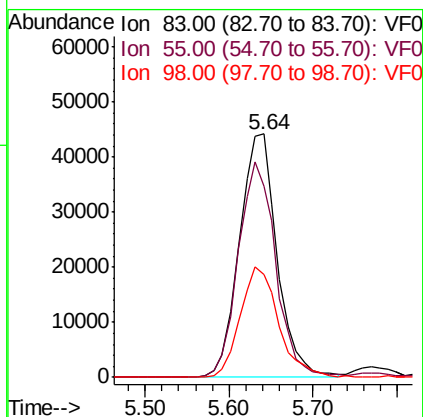
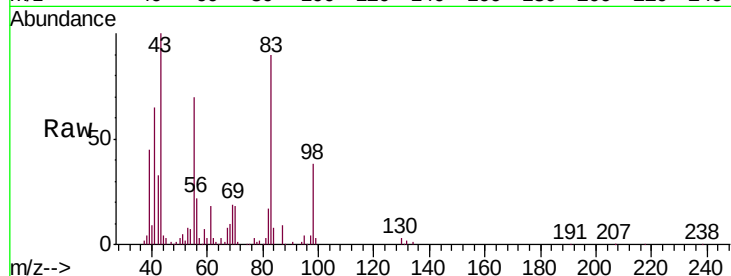




#39
Methylcyclohexane
Concen: 48.292 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

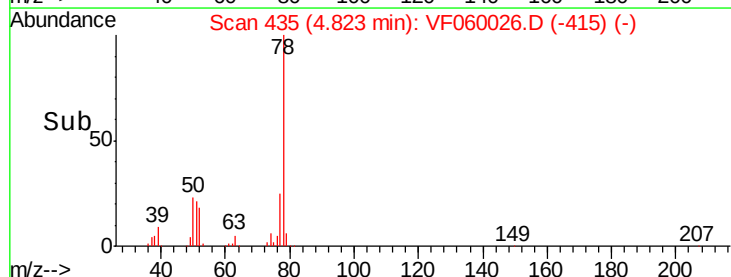
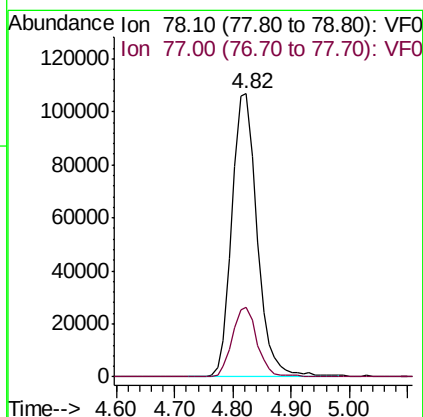
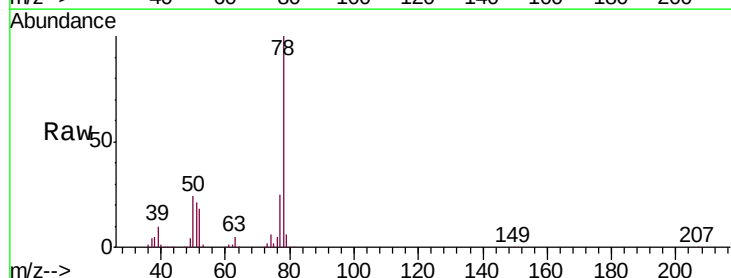
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

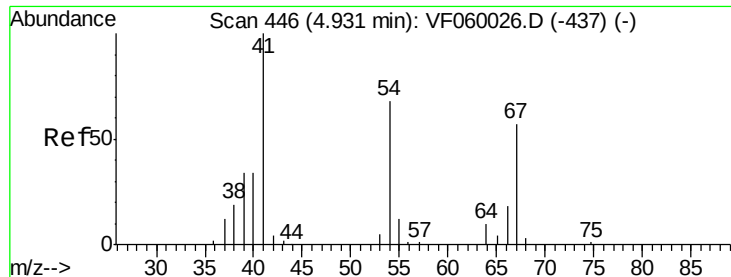
Tgt Ion: 83 Resp: 138226
Ion Ratio Lower Upper
83 100
55 78.4 62.7 94.1
98 42.3 33.8 50.8



#40
Benzene
Concen: 50.558 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion: 78 Resp: 325566
Ion Ratio Lower Upper
78 100
77 24.7 19.8 29.6

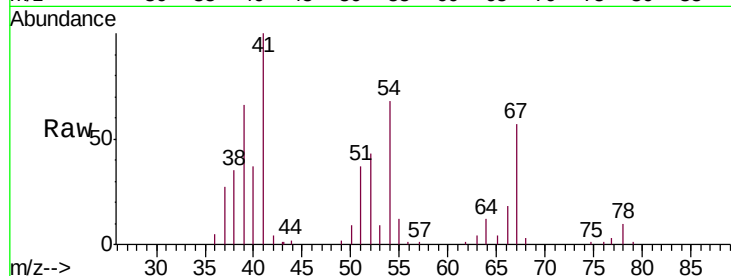




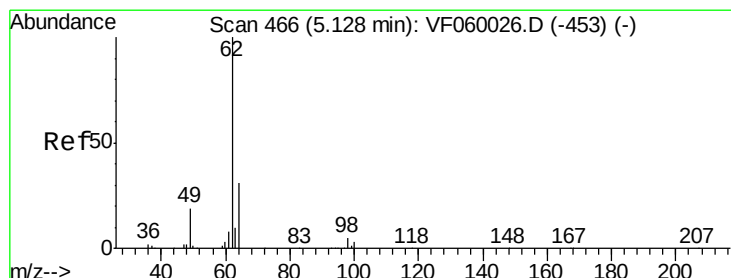
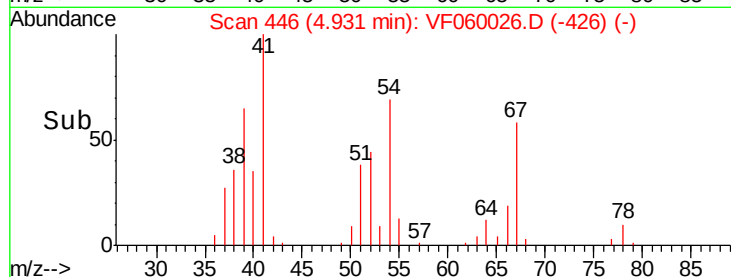
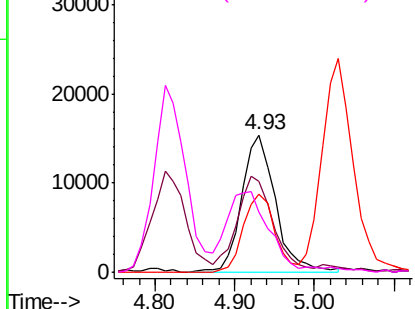
#41
Methacrylonitrile
Concen: 45.263 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	44915
Ion	Ratio	Lower	Upper
41	100		
39	66.1	52.9	79.3
67	56.6	45.3	67.9
52	43.5	34.8	52.2

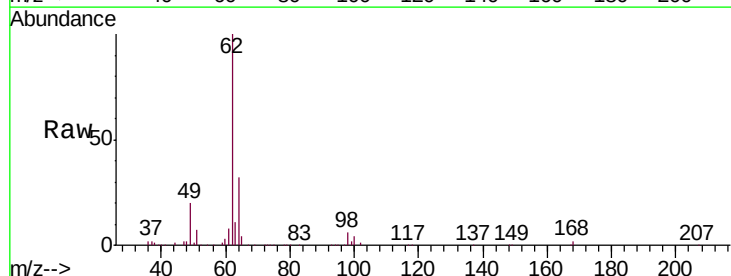


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

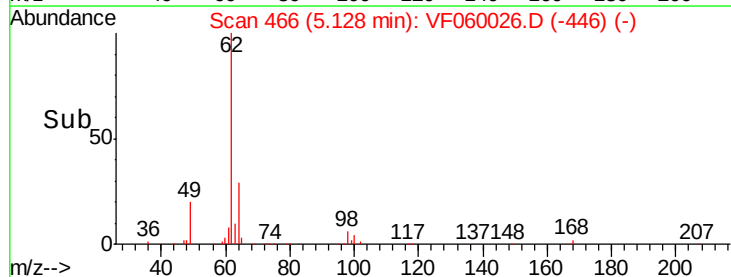
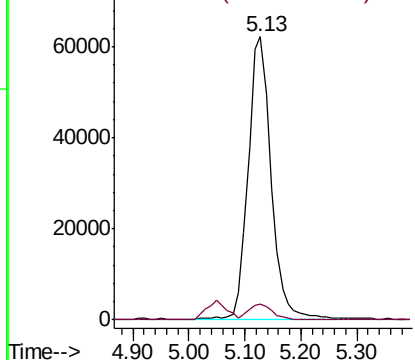


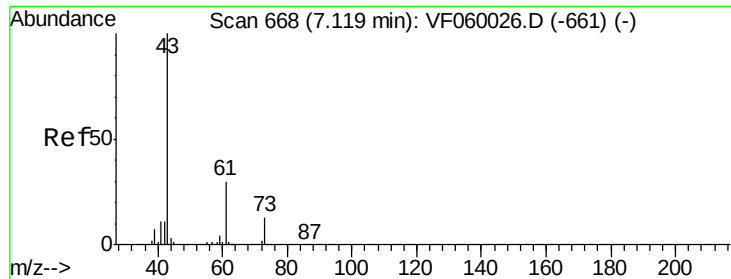
#42
1,2-Dichloroethane
Concen: 34.421 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion:	62	Resp:	177851
Ion	Ratio	Lower	Upper
62	100		
98	5.6	0.0	11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

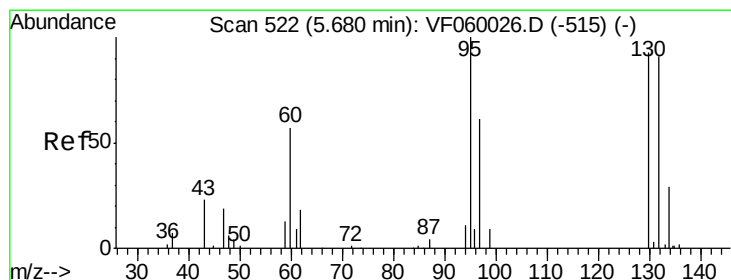
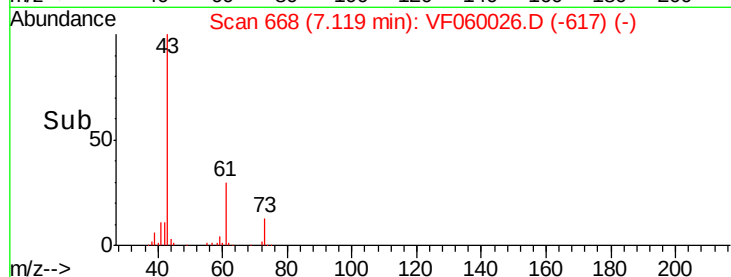
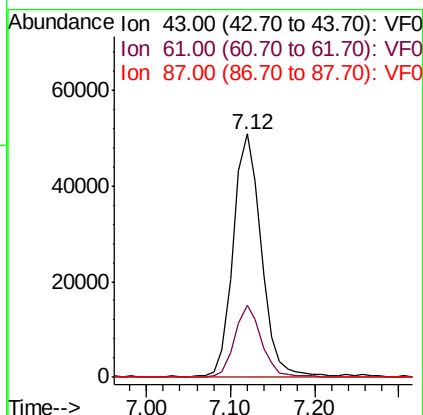
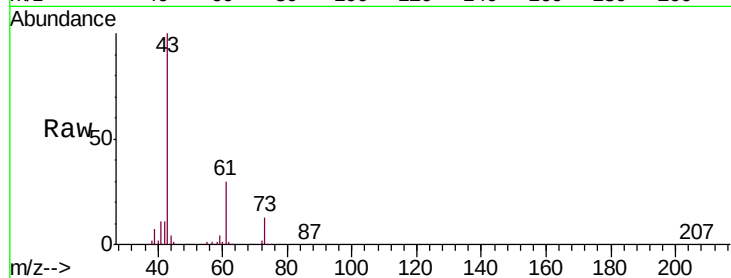




#43
Isopropyl Acetate
Concen: 51.335 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

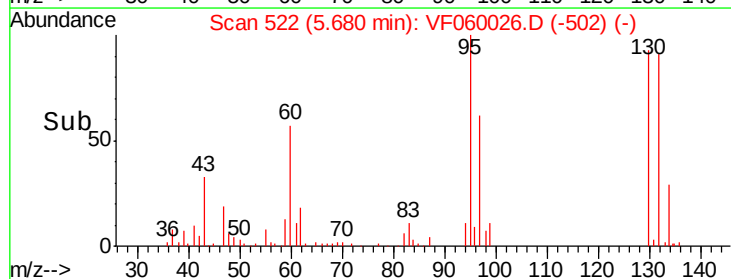
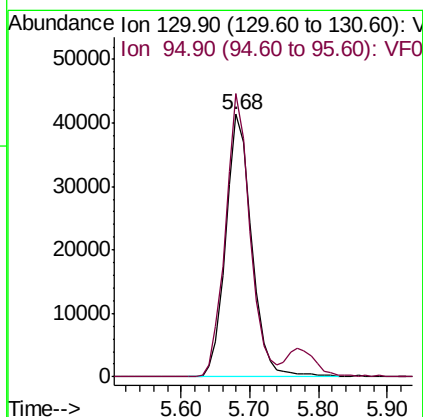
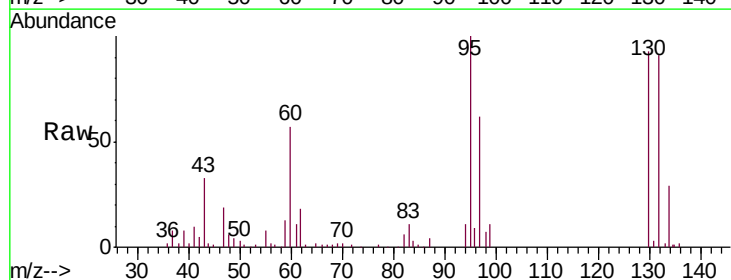
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

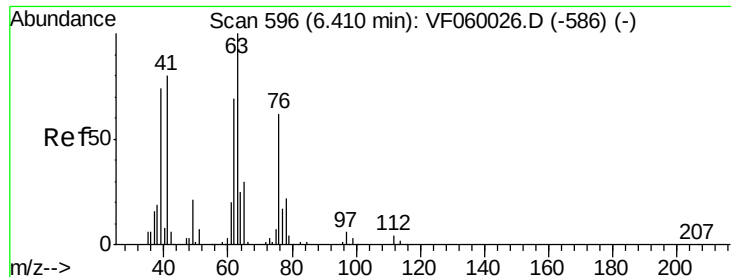
Tgt Ion: 43 Resp: 119304
Ion Ratio Lower Upper
43 100
61 29.7 23.8 35.6
87 0.3 0.2 0.4



#44
Trichloroethene
Concen: 43.865 ug/l
RT: 5.68 min Scan# 522
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion: 130 Resp: 108007
Ion Ratio Lower Upper
130 100
95 107.9 0.0 215.8

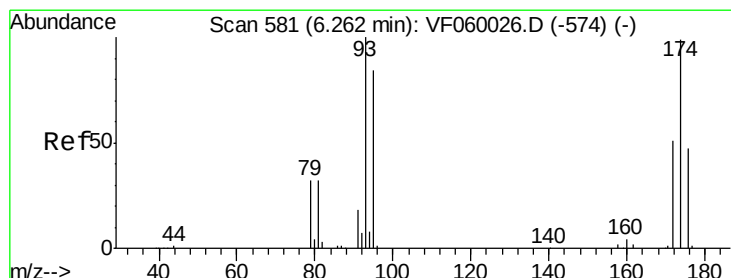
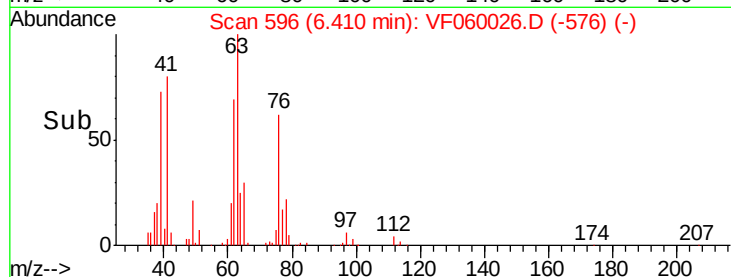
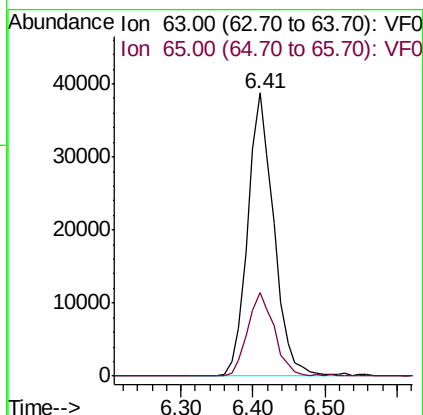
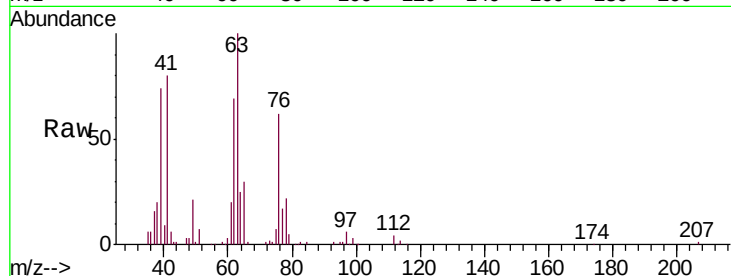




#45
 1,2-Dichloropropane
 Concen: 52.961 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

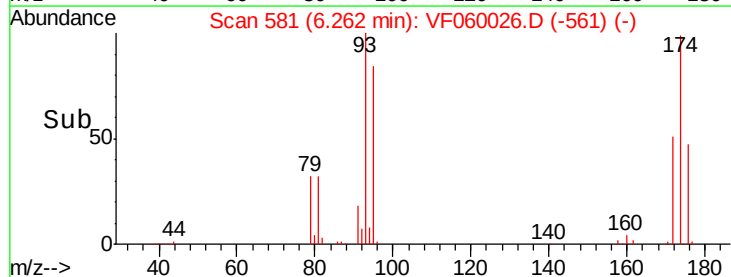
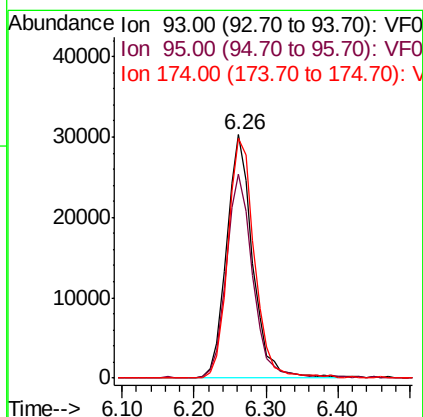
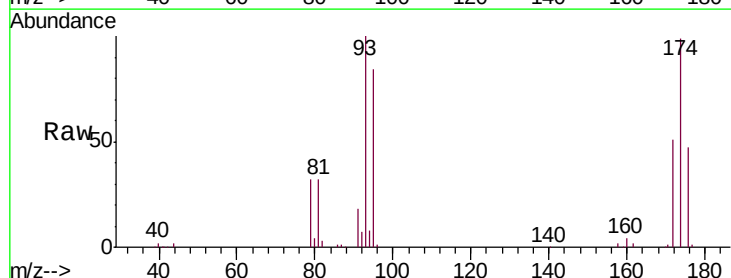
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

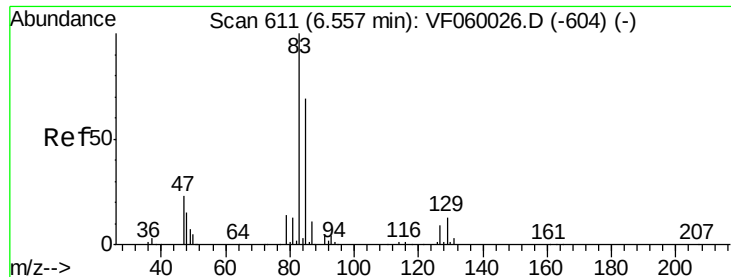
Tgt Ion: 63 Resp: 98436
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.8 35.6



#46
 Dibromomethane
 Concen: 42.579 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion: 93 Resp: 75776
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.1 100.7
 174 98.7 79.0 118.4





#47

Bromodichloromethane

Concen: 38.578 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

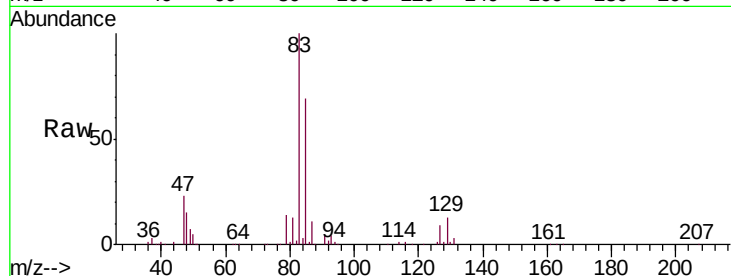
Tgt Ion: 83 Resp: 180861

Ion Ratio Lower Upper

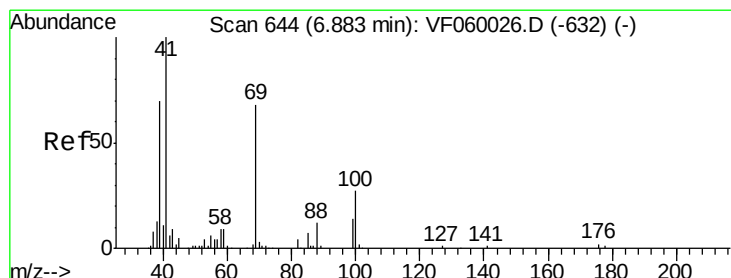
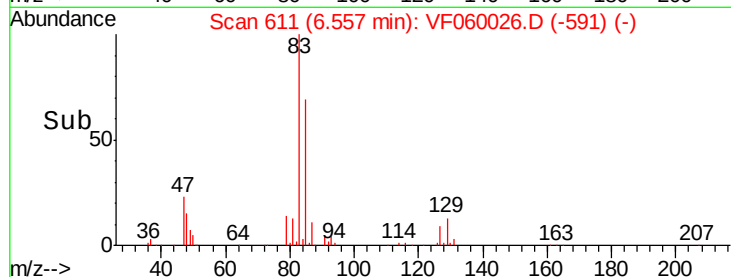
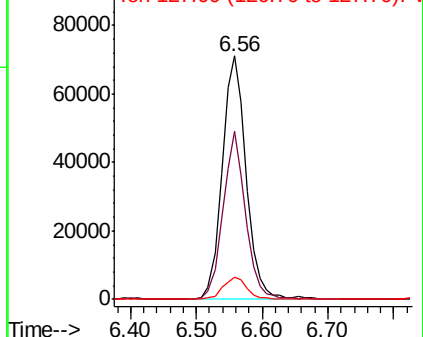
83 100

85 69.0 55.2 82.8

127 9.1 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 47.106 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

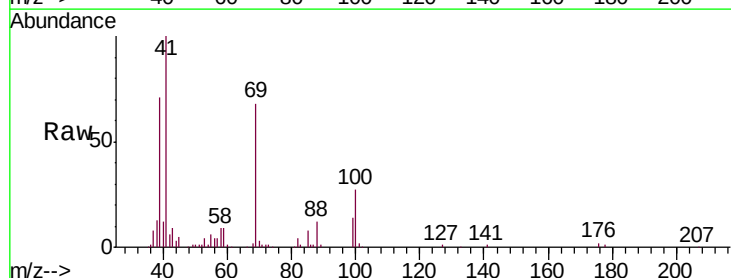
Tgt Ion: 41 Resp: 79761

Ion Ratio Lower Upper

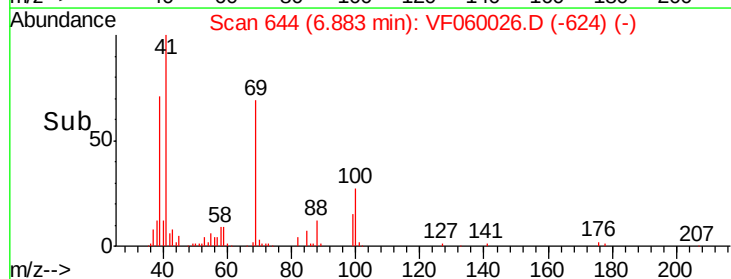
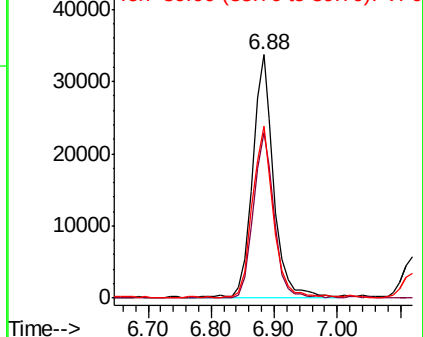
41 100

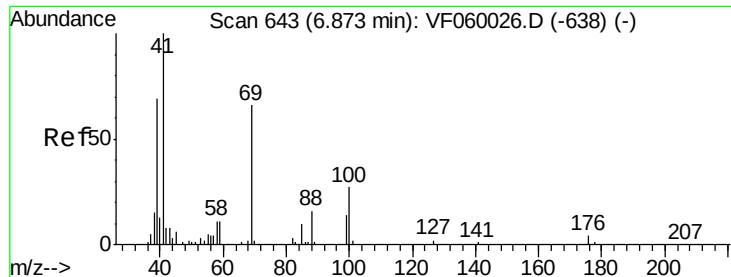
69 68.2 54.6 81.8

39 70.6 56.5 84.7



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

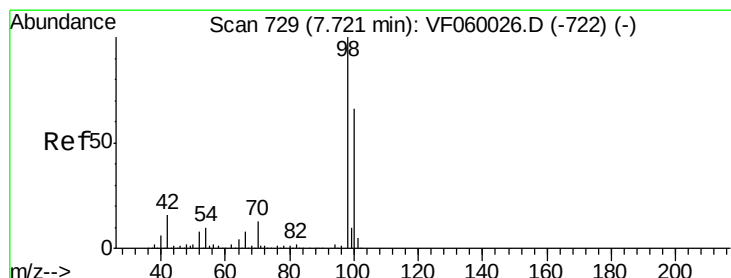
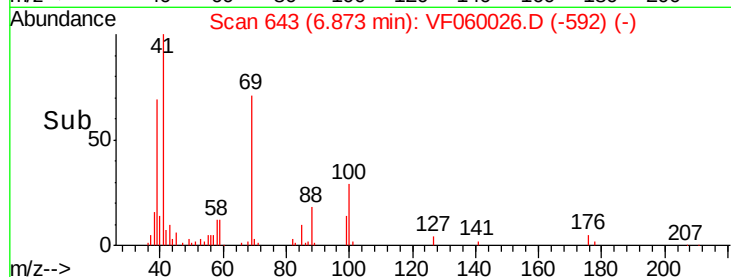
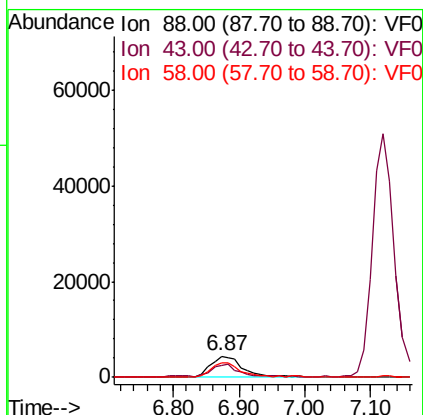
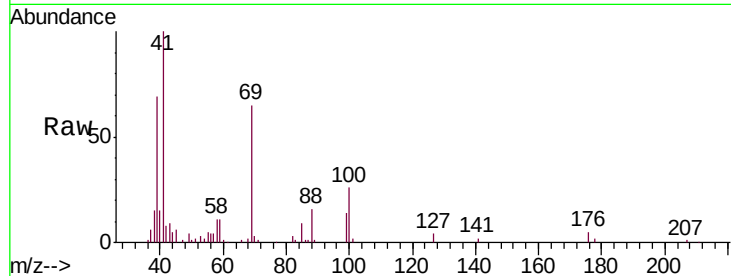




#49
1,4-Dioxane
Concen: 1124.630 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

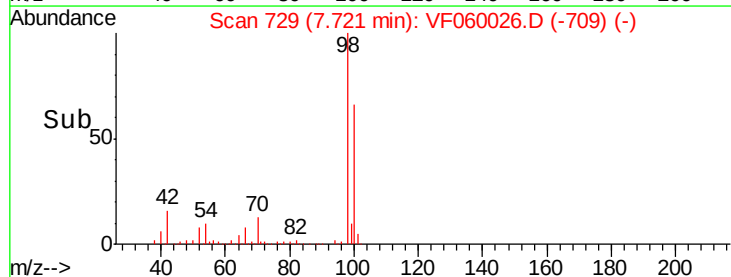
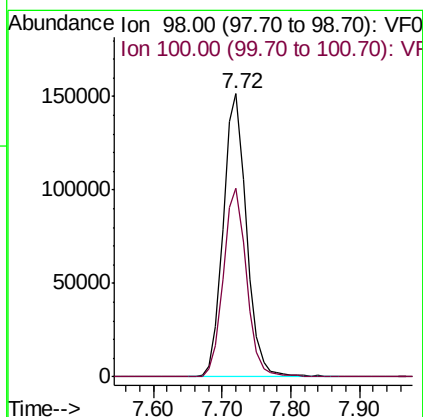
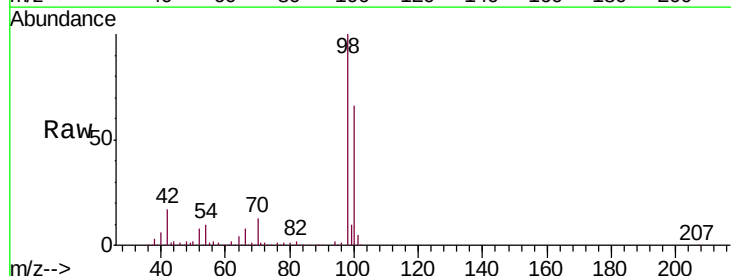
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

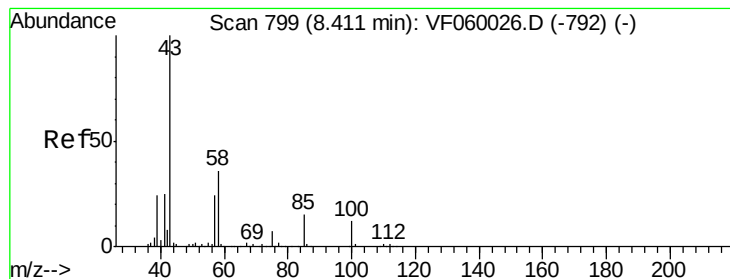
Tgt Ion: 88 Resp: 14950
Ion Ratio Lower Upper
88 100
43 58.1 46.5 69.7
58 68.5 54.8 82.2



#50
Toluene-d8
Concen: 47.188 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion: 98 Resp: 354871
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 233.560 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

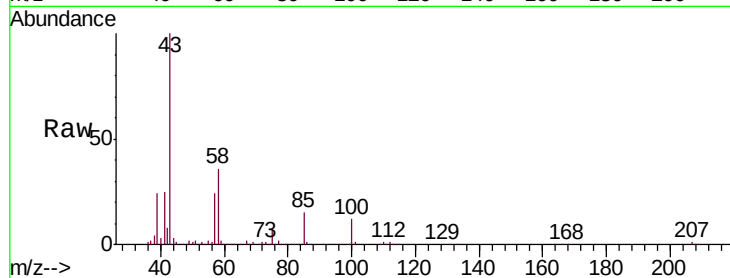
VSTDICCC050

Tgt Ion: 43 Resp: 501420

Ion Ratio Lower Upper

43 100

58 35.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

200000

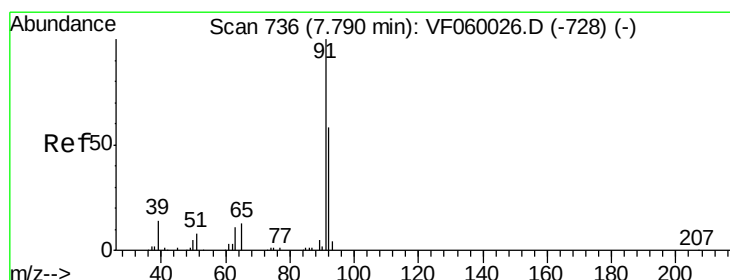
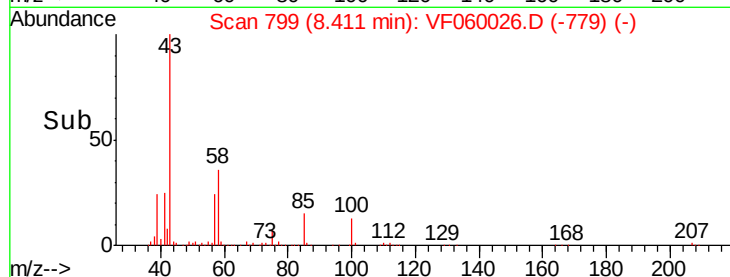
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 48.152 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF060026.D

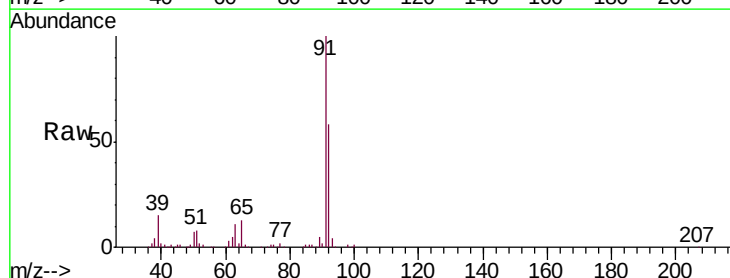
Acq: 21 Aug 2018 18:23

Tgt Ion: 92 Resp: 231837

Ion Ratio Lower Upper

92 100

91 172.1 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

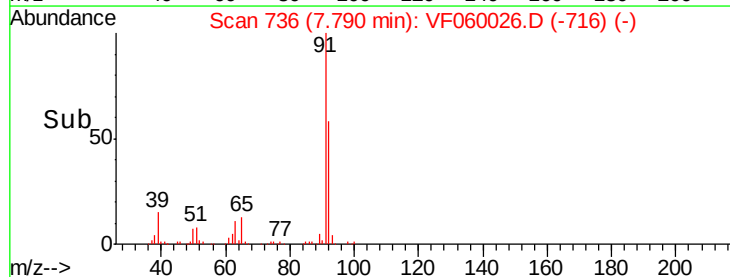
150000

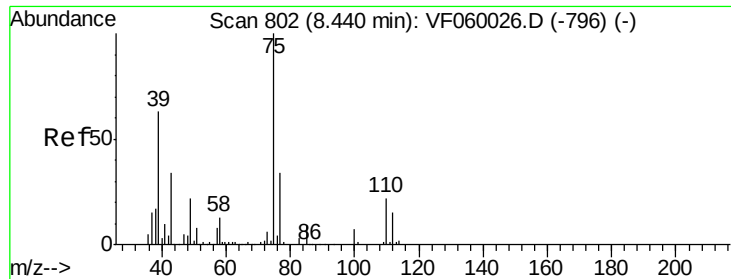
100000

50000

0

Time-->

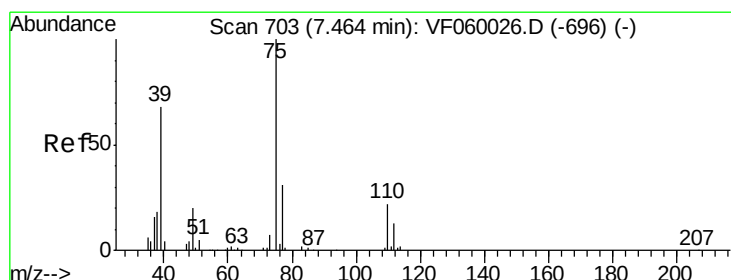
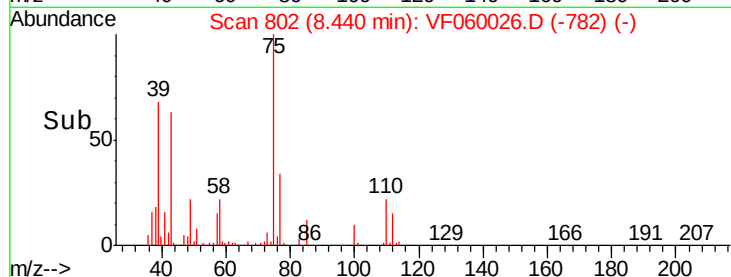
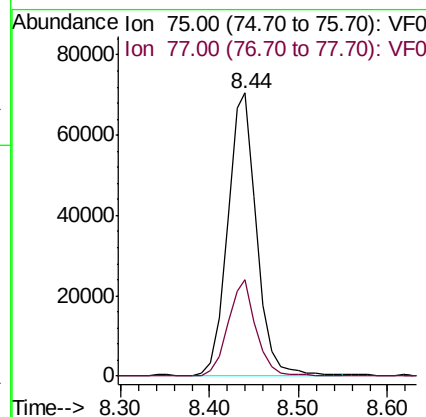
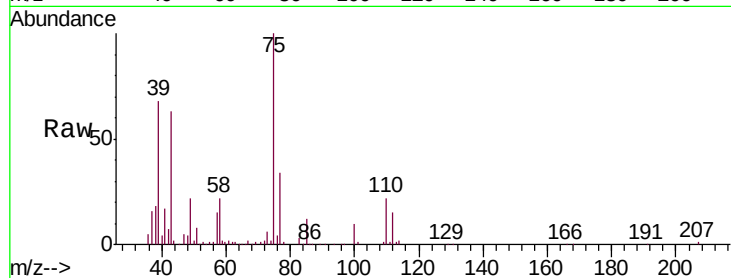




#53
 t-1,3-Dichloropropene
 Concen: 40.378 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

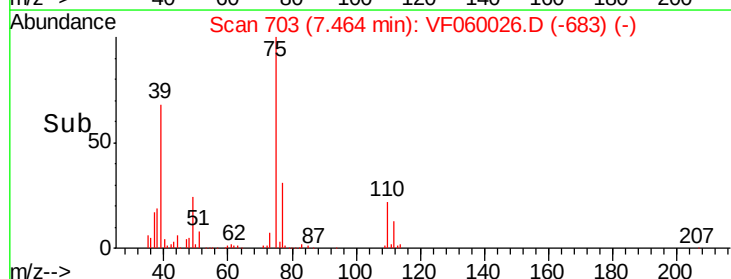
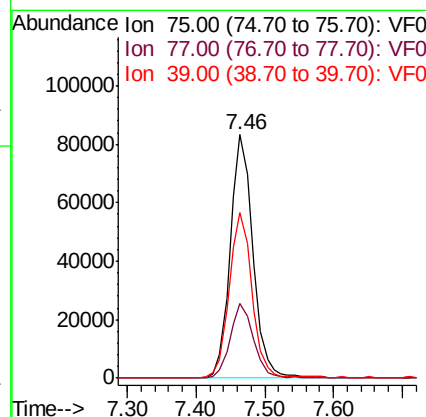
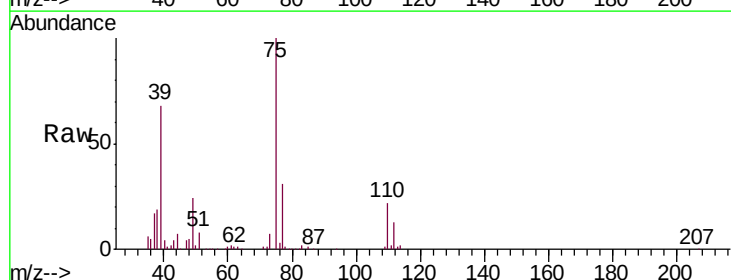
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

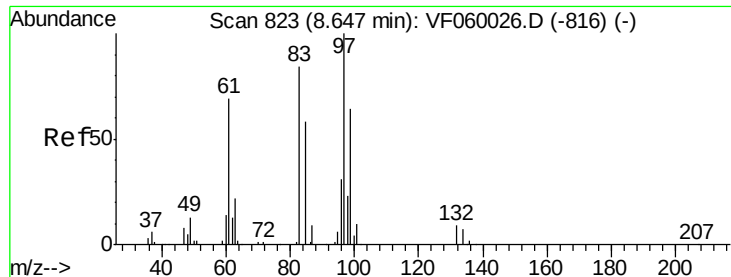
Tgt Ion: 75 Resp: 161054
 Ion Ratio Lower Upper
 75 100
 77 34.3 27.4 41.2



#54
 cis-1,3-Dichloropropene
 Concen: 48.457 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion: 75 Resp: 190998
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0
 39 68.2 54.6 81.8

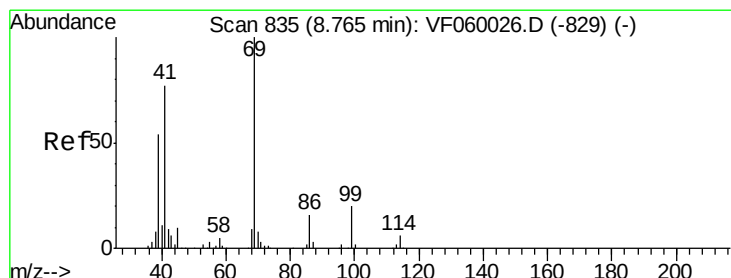
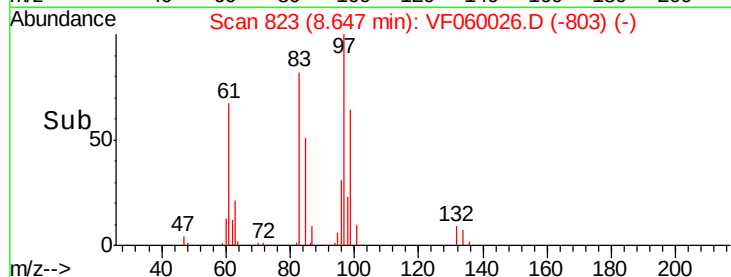
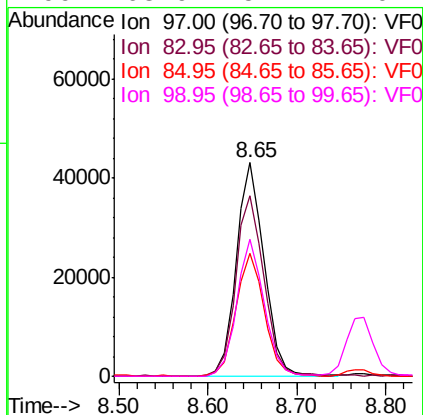
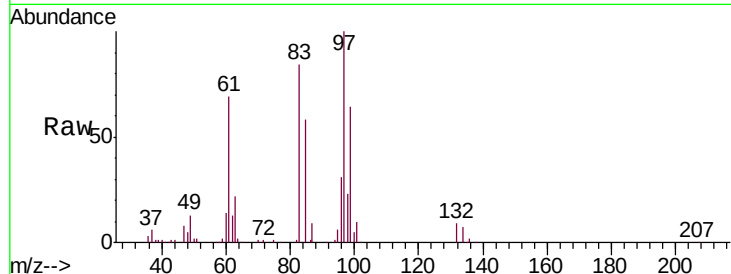




#55
 1,1,2-Trichloroethane
 Concen: 48.931 ug/l
 RT: 8.65 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

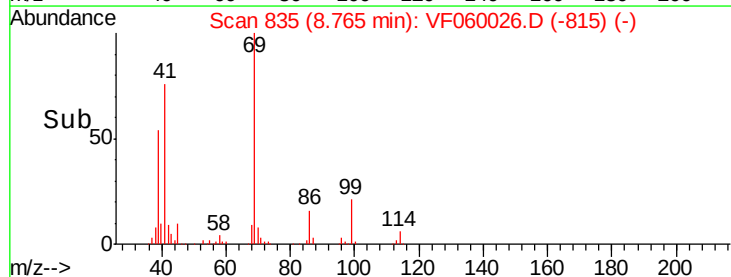
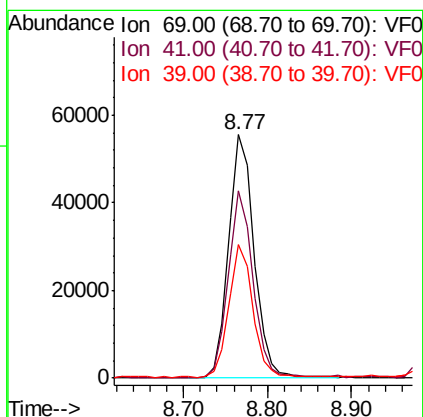
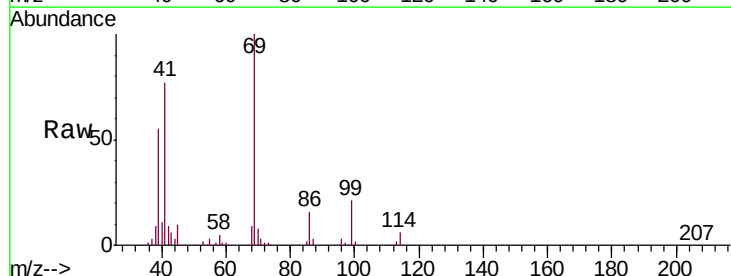
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

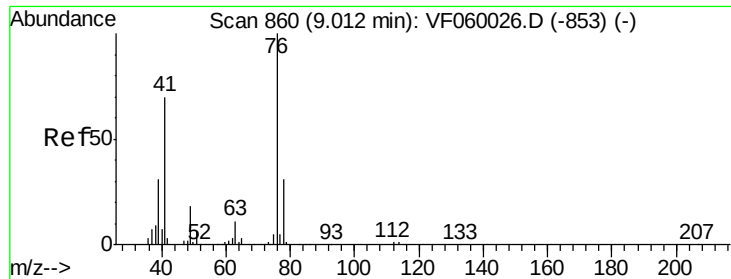
Tgt Ion:	97	Resp:	94177
Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.2
85	57.7	46.2	69.2
99	63.9	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 52.357 ug/l
 RT: 8.77 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion:	69	Resp:	117330
Ion	Ratio	Lower	Upper
69	100		
41	77.0	61.6	92.4
39	54.9	43.9	65.9





#57

1,3-Dichloropropane

Concen: 49.091 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

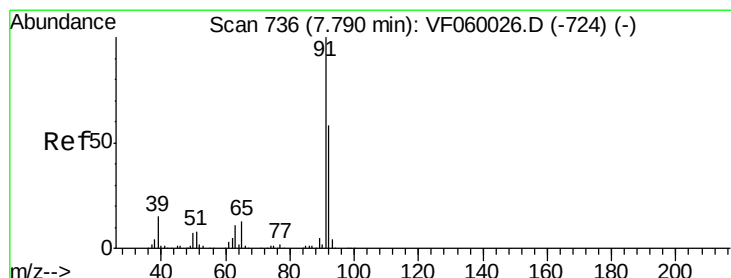
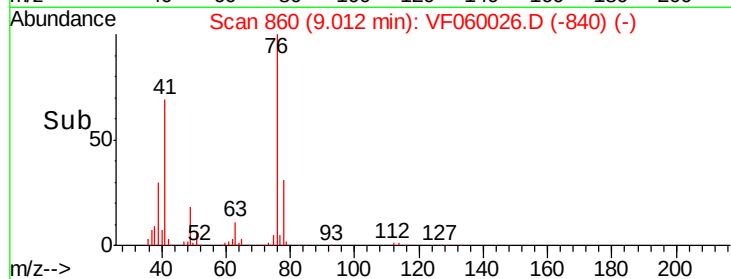
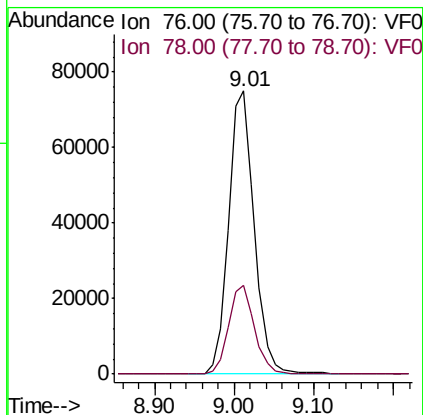
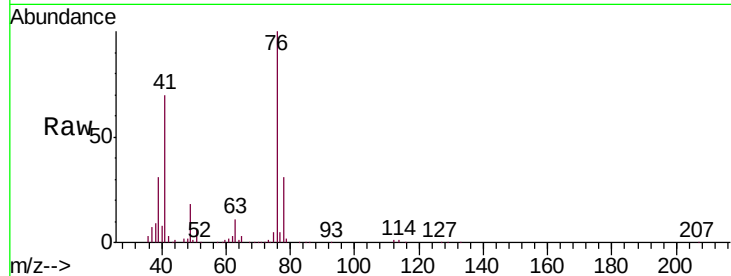
VSTDICCC050

Tgt Ion: 76 Resp: 168807

Ion Ratio Lower Upper

76 100

78 31.5 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 236.875 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF060026.D

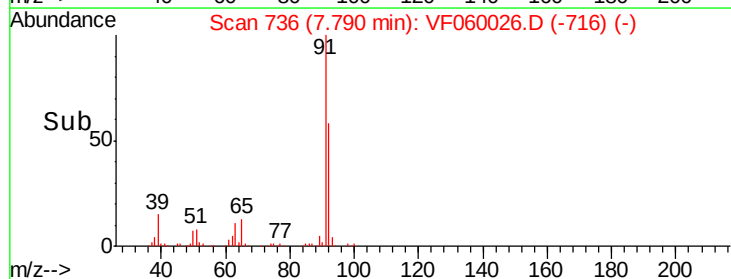
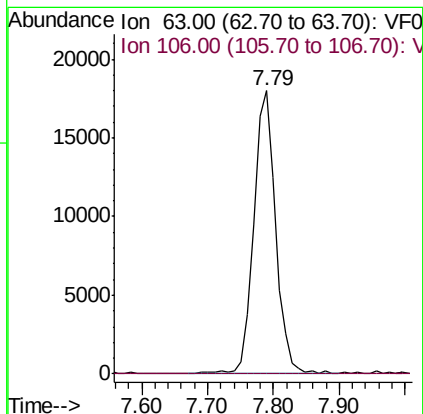
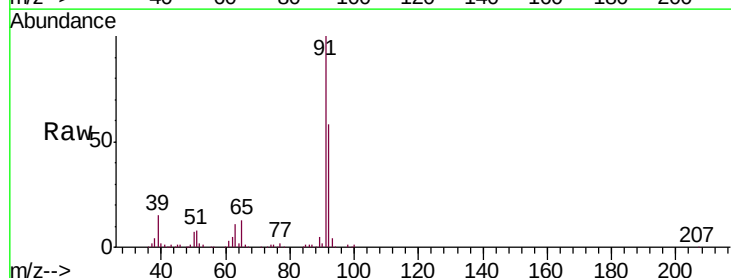
Acq: 21 Aug 2018 18:23

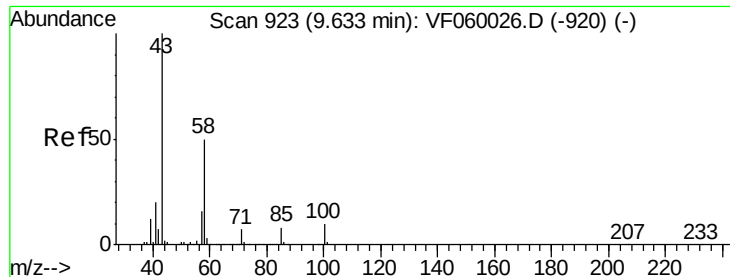
Tgt Ion: 63 Resp: 42133

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

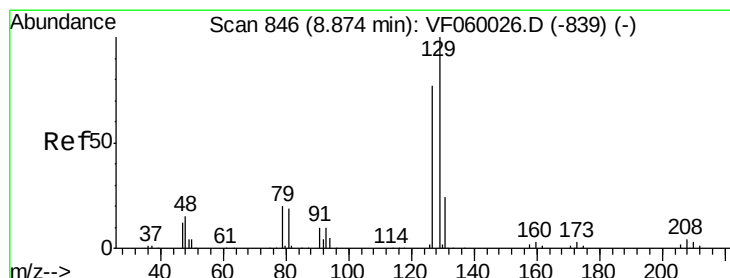
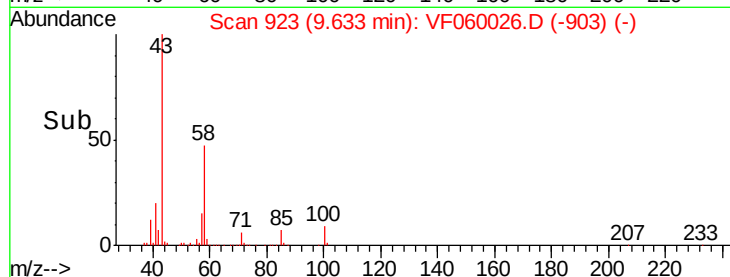
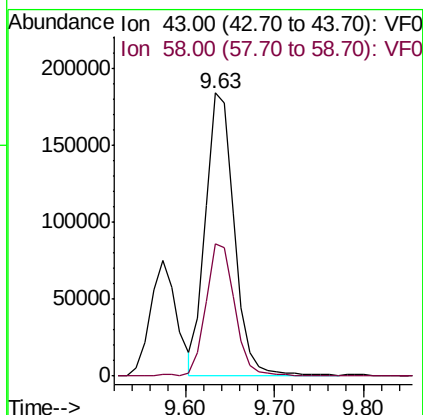
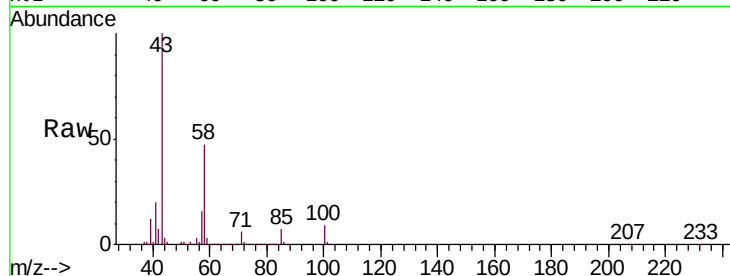




#59
2-Hexanone
Concen: 229.329 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

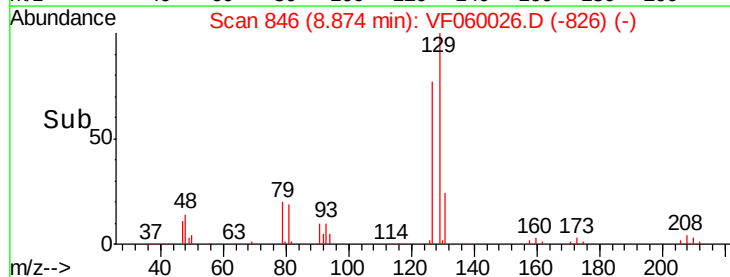
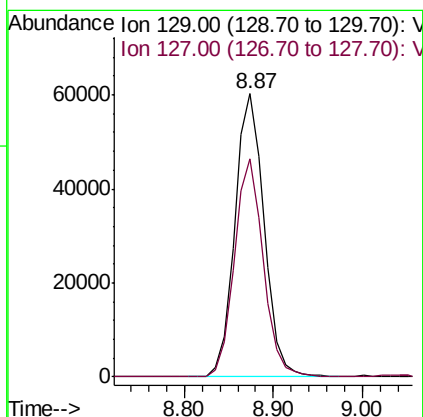
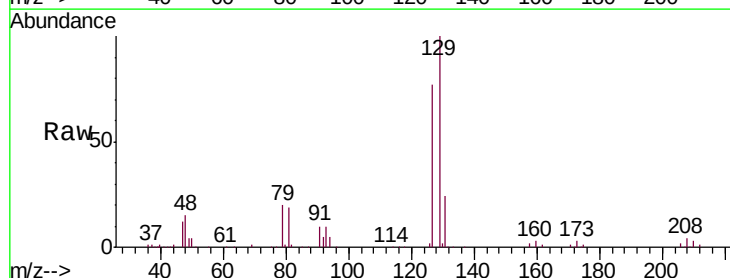
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

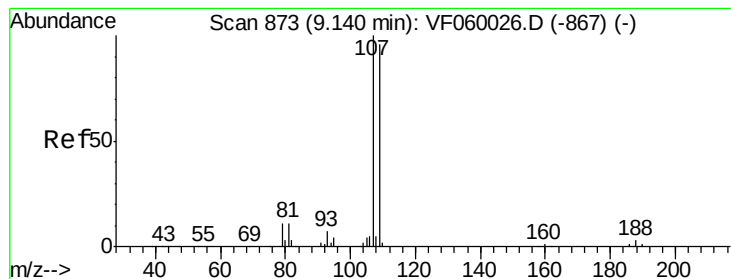
Tgt Ion: 43 Resp: 407073
Ion Ratio Lower Upper
43 100
58 46.8 23.4 70.2



#60
Dibromochloromethane
Concen: 40.665 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion: 129 Resp: 137765
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 45.662 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

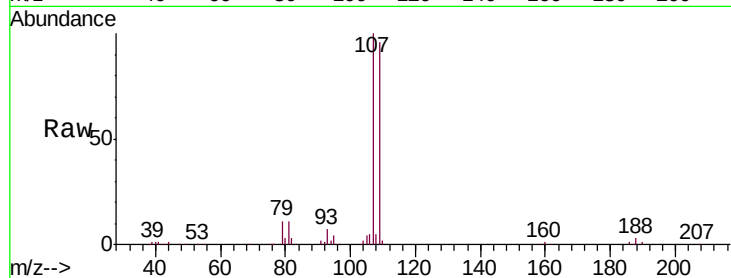
VSTDICCC050

Tgt Ion: 107 Resp: 108021

Ion Ratio Lower Upper

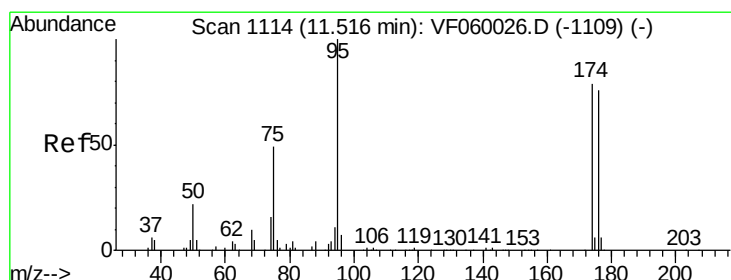
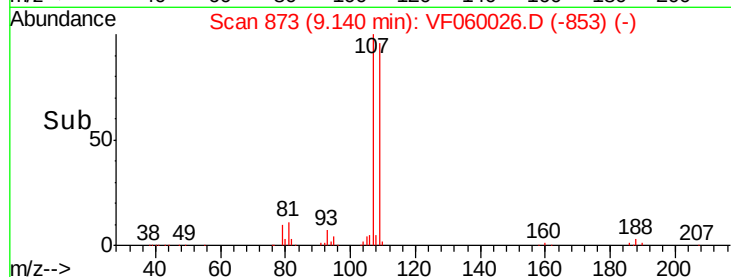
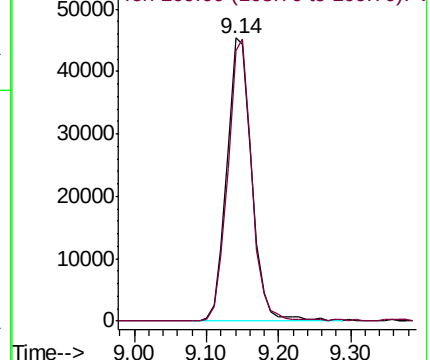
107 100

109 95.6 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 41.587 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

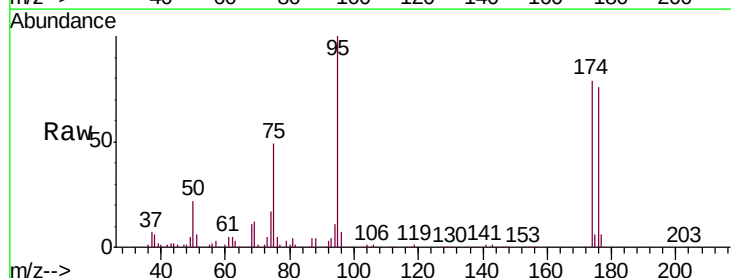
Tgt Ion: 95 Resp: 187108

Ion Ratio Lower Upper

95 100

174 79.2 0.0 158.4

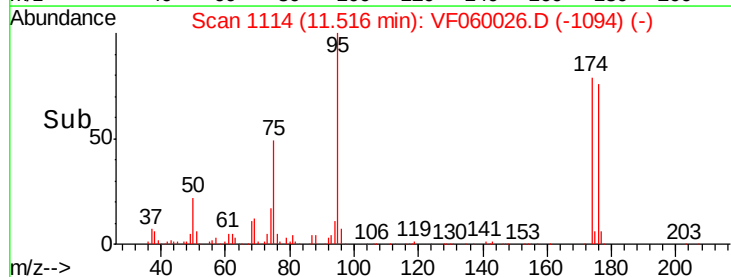
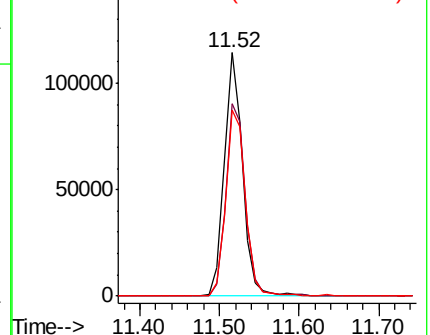
176 76.5 0.0 153.0

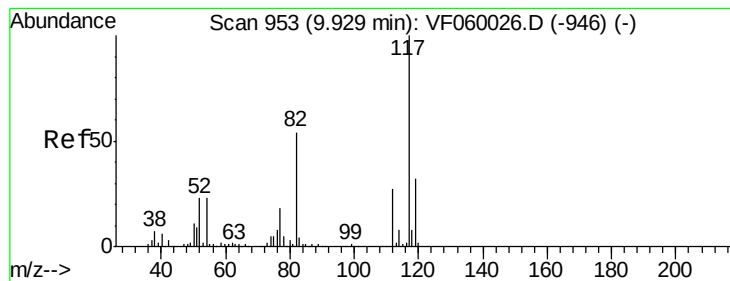


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

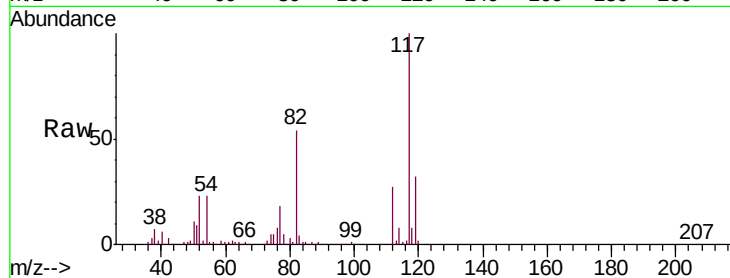
Tgt Ion:117 Resp: 349320

Ion Ratio Lower Upper

117 100

82 54.5 43.6 65.4

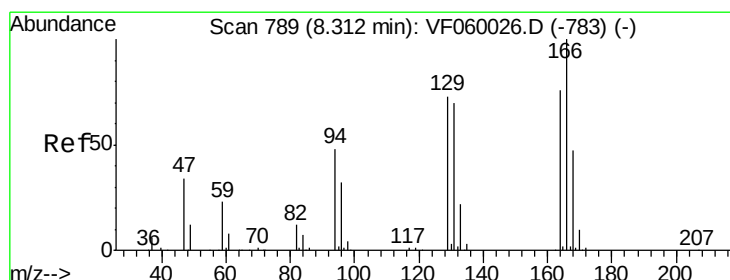
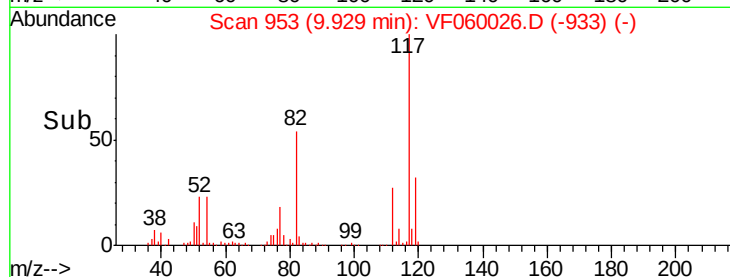
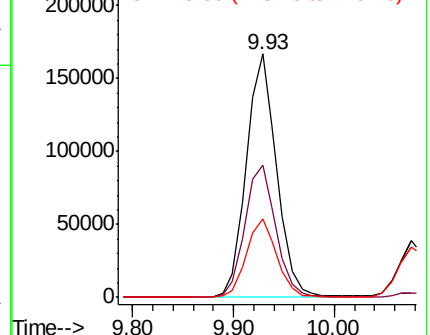
119 32.0 25.6 38.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 43.319 ug/l

RT: 8.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion:164 Resp: 114664

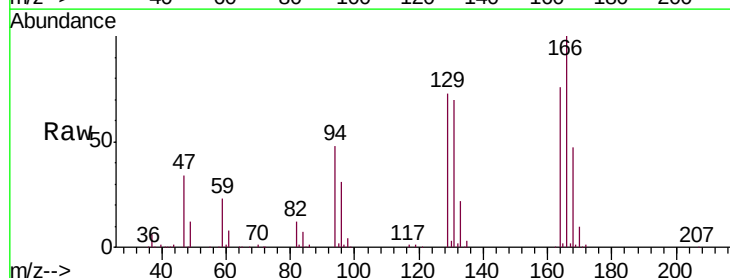
Ion Ratio Lower Upper

164 100

166 130.9 104.7 157.1

129 96.2 77.0 115.4

131 91.1 72.9 109.3

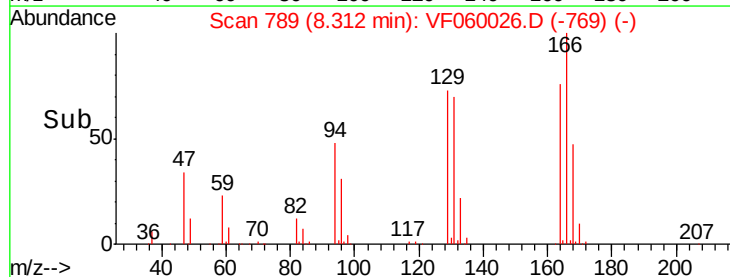
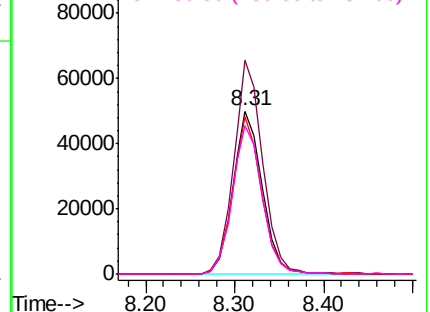


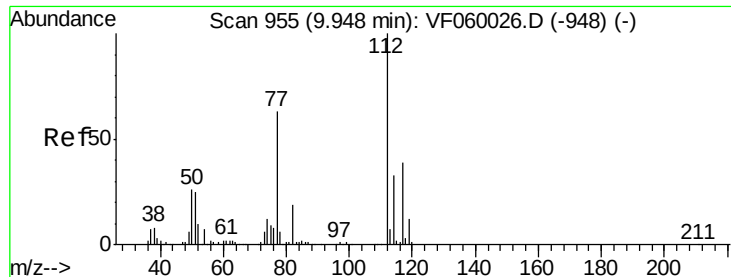
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

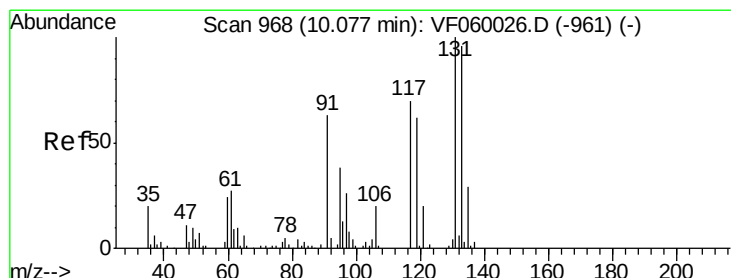
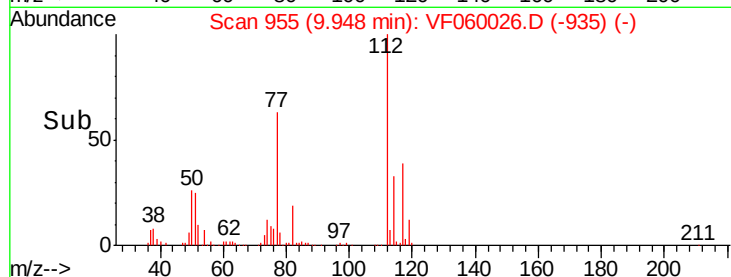
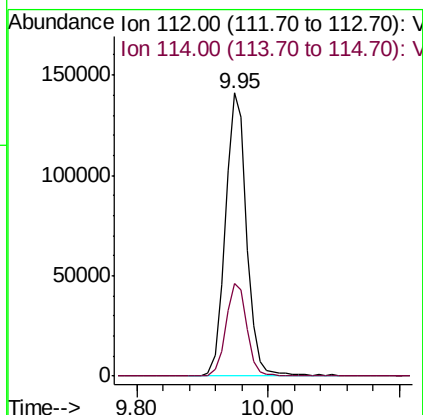
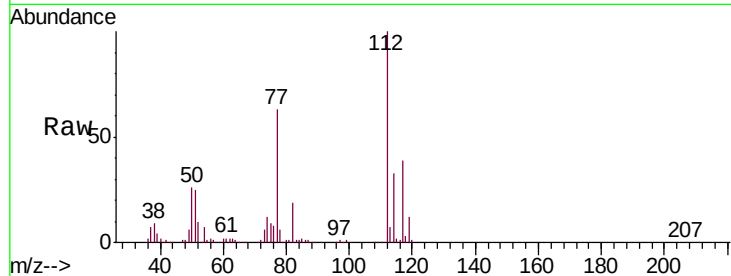




#65
Chlorobenzene
Concen: 46.254 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

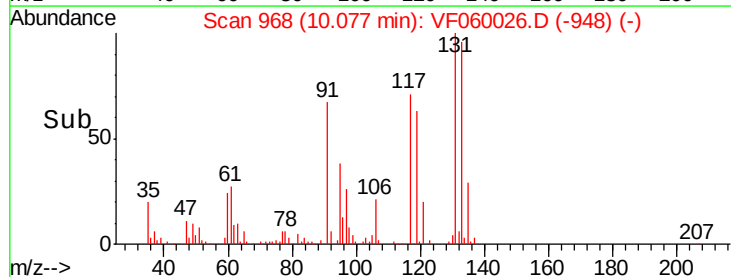
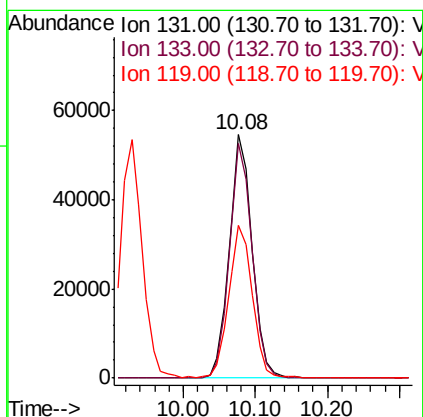
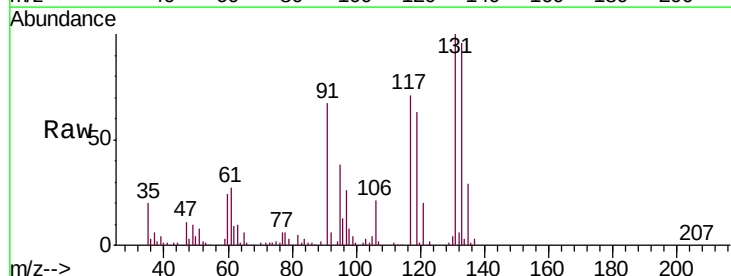
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

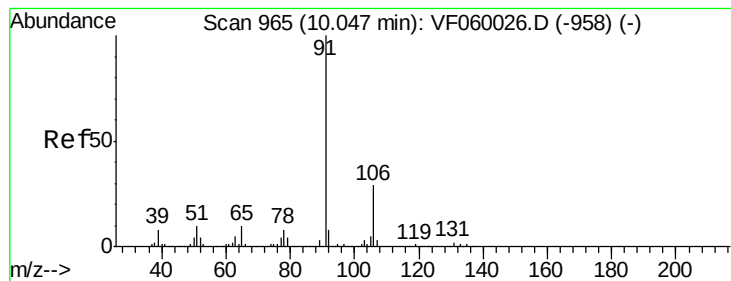
Tgt Ion:112 Resp: 318185
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 39.219 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion:131 Resp: 120689
Ion Ratio Lower Upper
131 100
133 96.4 48.2 144.6
119 62.8 31.4 94.2





#67

Ethyl Benzene

Concen: 43.412 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

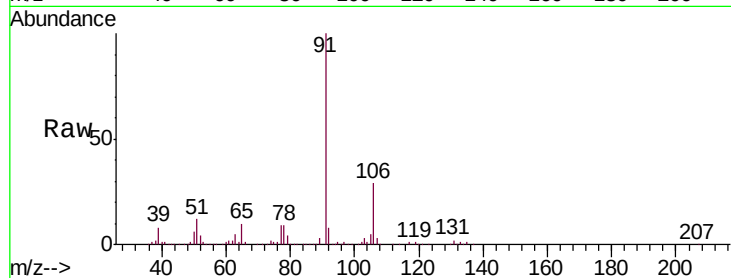
VSTDICCC050

Tgt Ion: 91 Resp: 537679

Ion Ratio Lower Upper

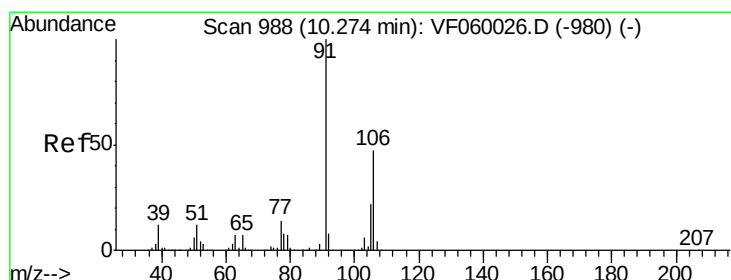
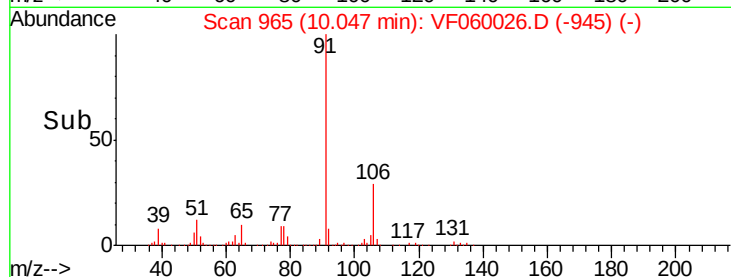
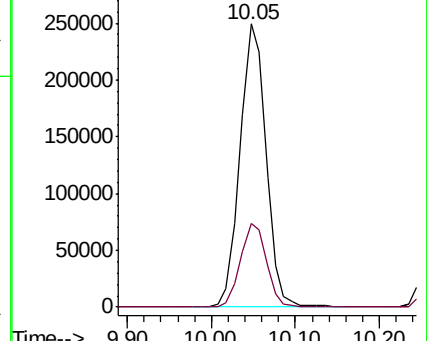
91 100

106 29.5 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 90.736 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF060026.D

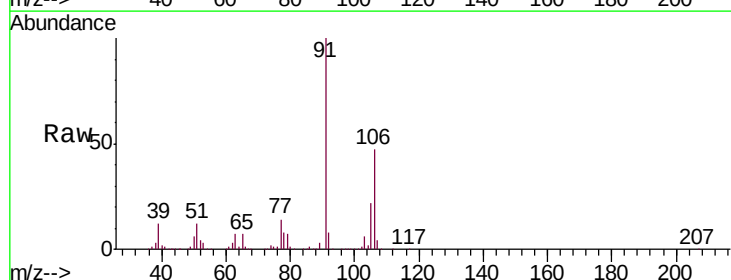
Acq: 21 Aug 2018 18:23

Tgt Ion: 106 Resp: 396001

Ion Ratio Lower Upper

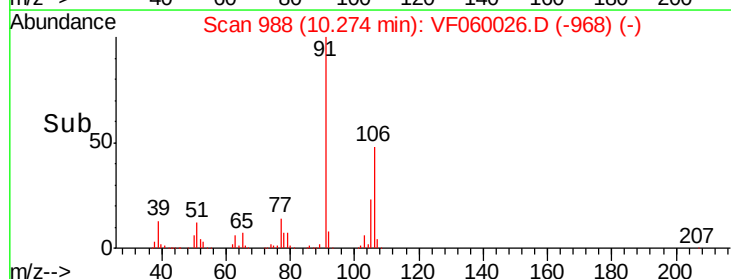
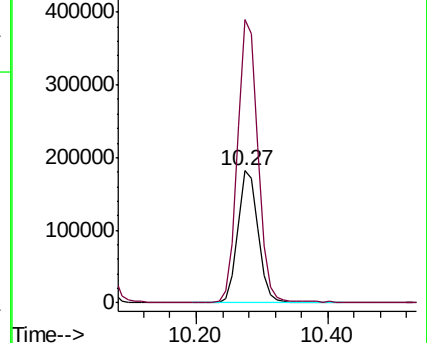
106 100

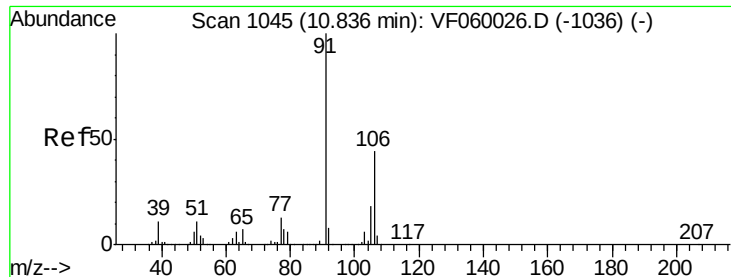
91 214.8 171.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

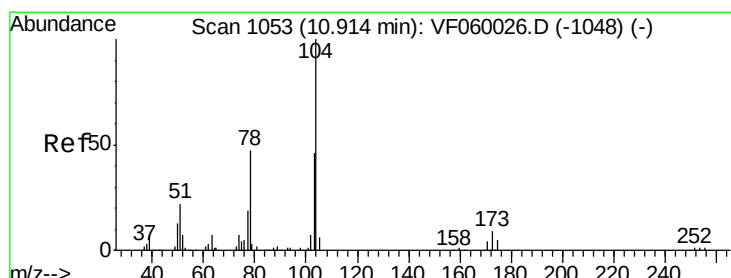
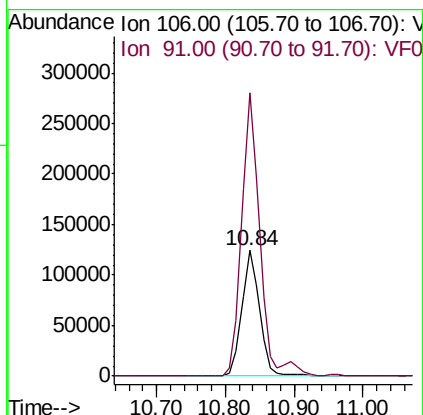
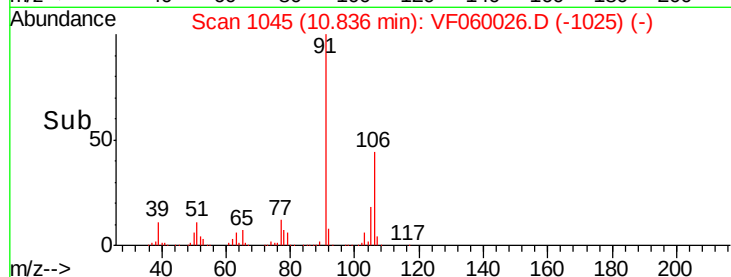
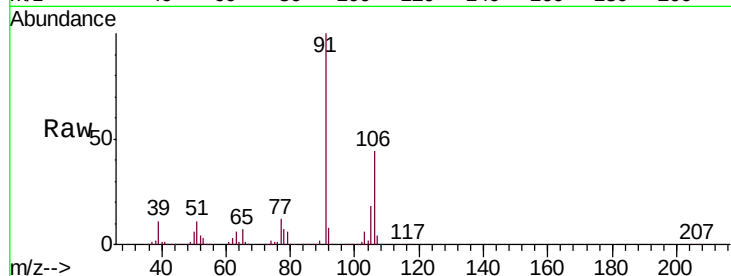




#69
o-Xylene
Concen: 50.172 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

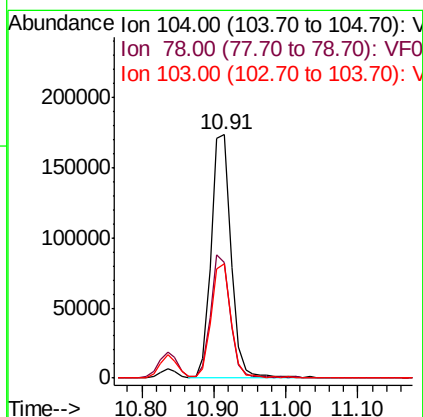
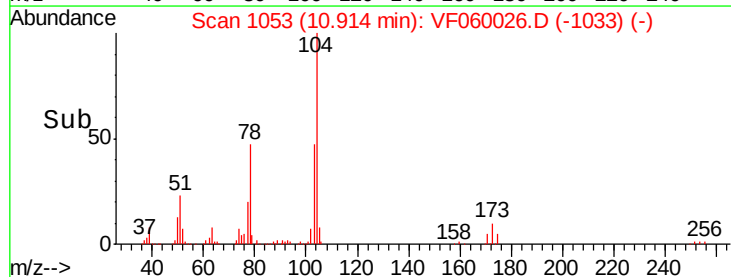
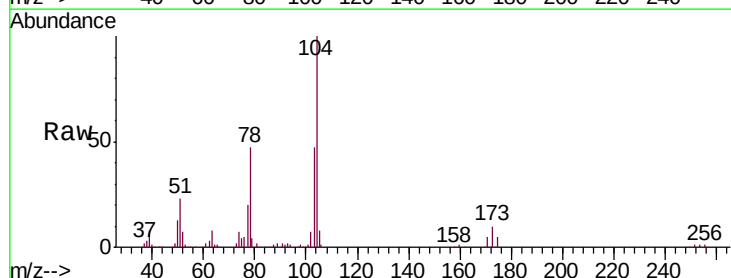
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

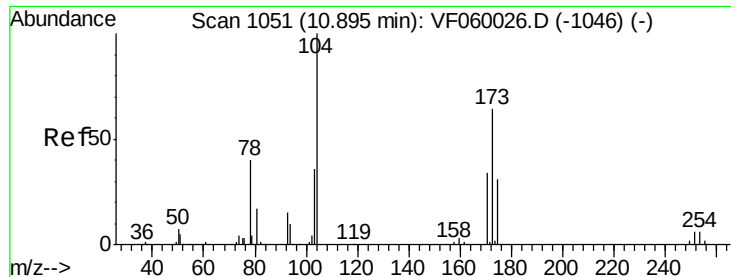
Tgt Ion:106 Resp: 224084
Ion Ratio Lower Upper
106 100
91 225.0 112.5 337.5



#70
Styrene
Concen: 46.015 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion:104 Resp: 327831
Ion Ratio Lower Upper
104 100
78 47.5 38.0 57.0
103 47.0 37.6 56.4





#71

Bromoform

Concen: 37.889 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

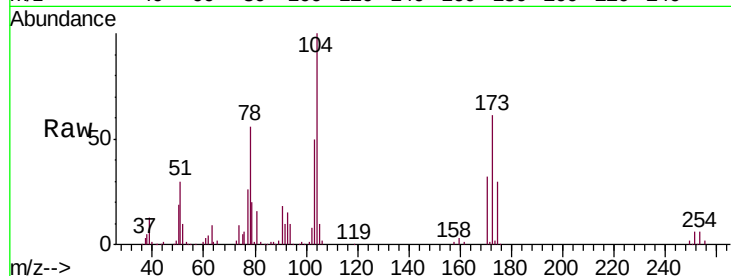
Tgt Ion:173 Resp: 86056

Ion Ratio Lower Upper

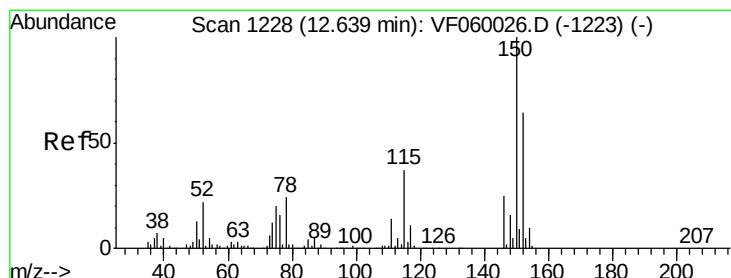
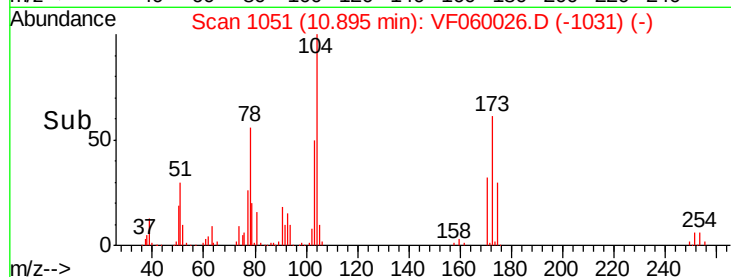
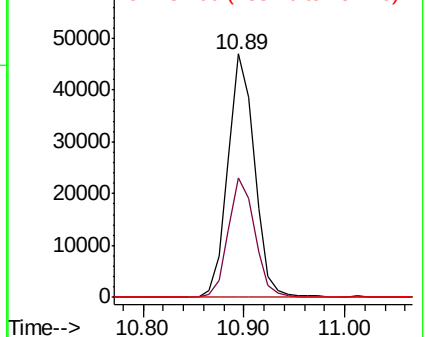
173 100

175 49.4 24.7 74.1

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: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

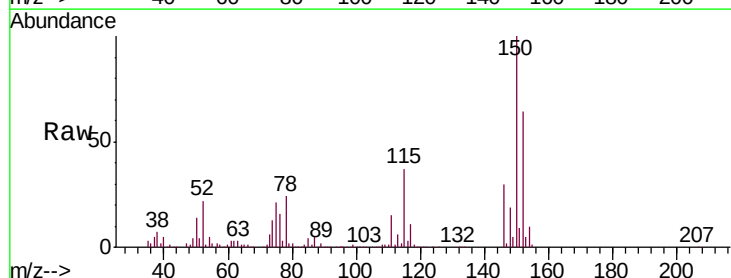
Tgt Ion:152 Resp: 207251

Ion Ratio Lower Upper

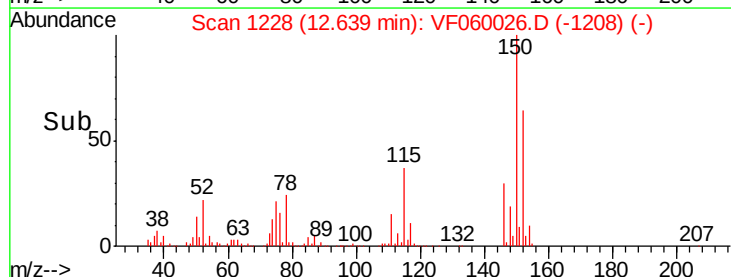
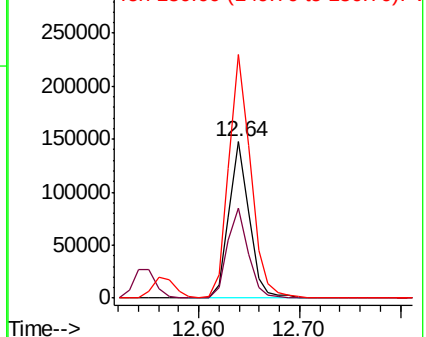
152 100

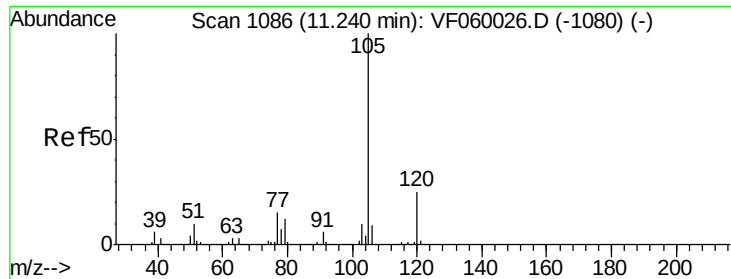
115 57.3 28.6 85.9

150 156.0 0.0 312.0



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: 49.579 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

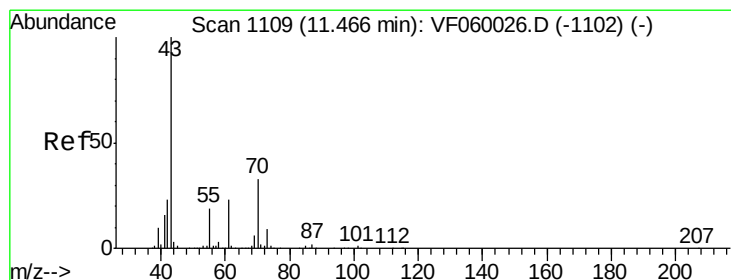
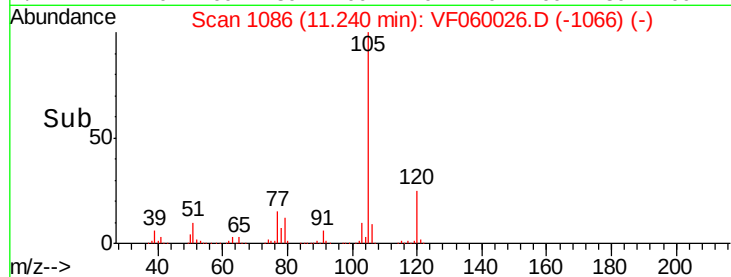
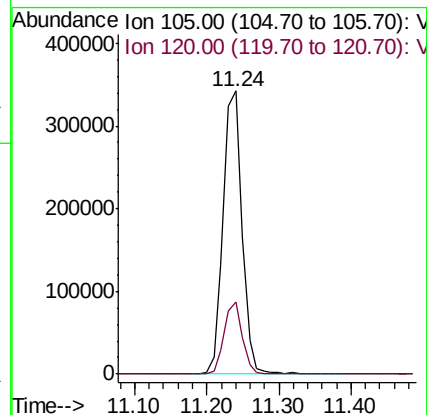
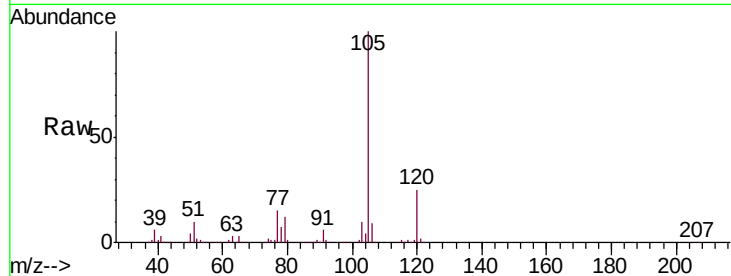
VSTDICCC050

Tgt Ion:105 Resp: 618382

Ion Ratio Lower Upper

105 100

120 25.3 12.7 38.0



#74

N-ethyl acetate

Concen: 57.053 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion: 43 Resp: 205294

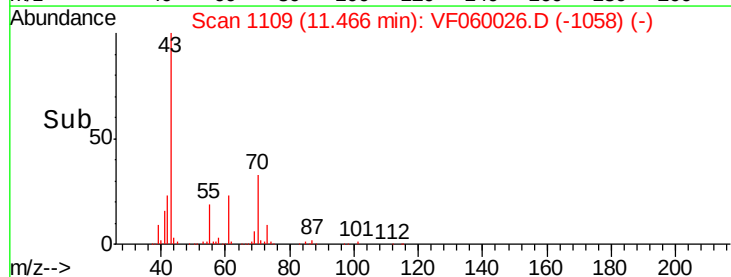
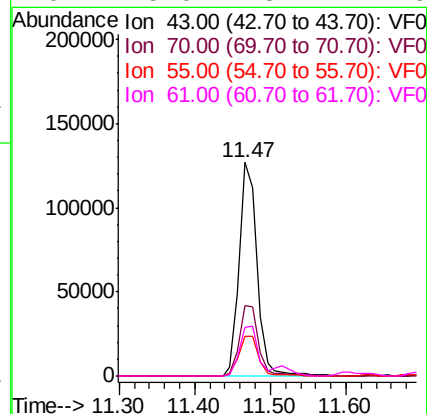
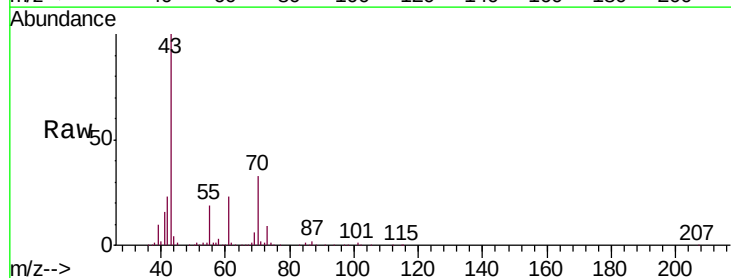
Ion Ratio Lower Upper

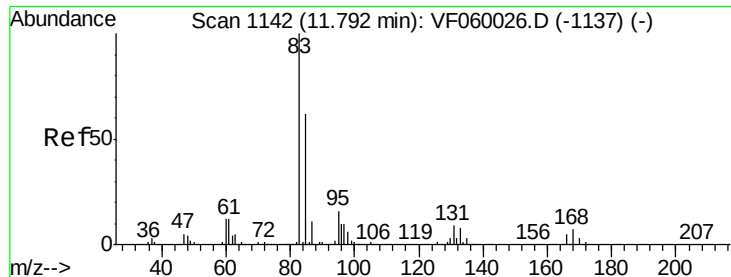
43 100

70 33.0 26.4 39.6

55 18.7 15.0 22.4

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.492 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

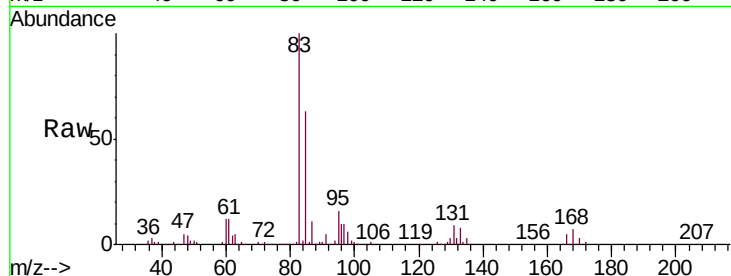
Tgt Ion: 83 Resp: 139136

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

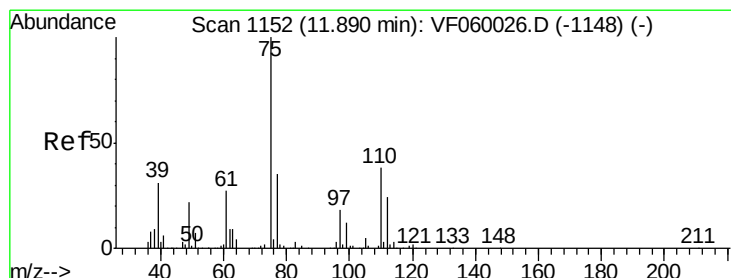
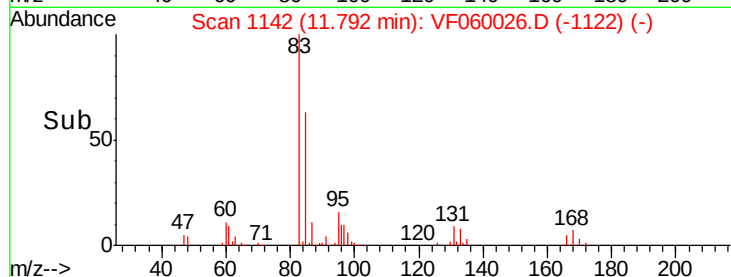
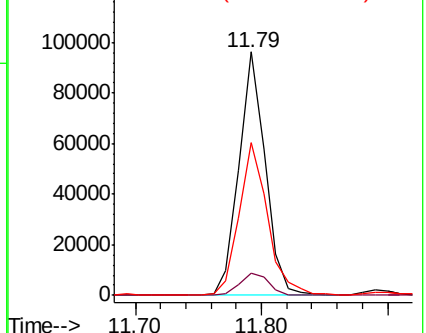
85 62.6 31.3 93.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 48.033 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060026.D

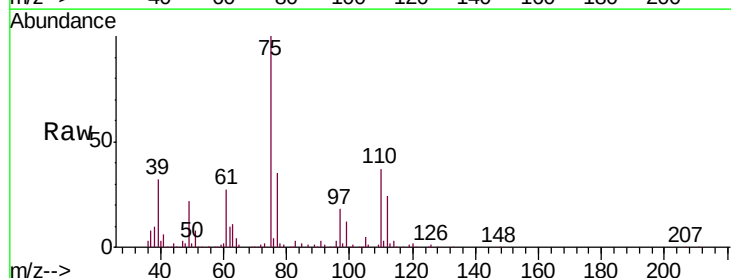
Acq: 21 Aug 2018 18:23

Tgt Ion: 75 Resp: 103694

Ion Ratio Lower Upper

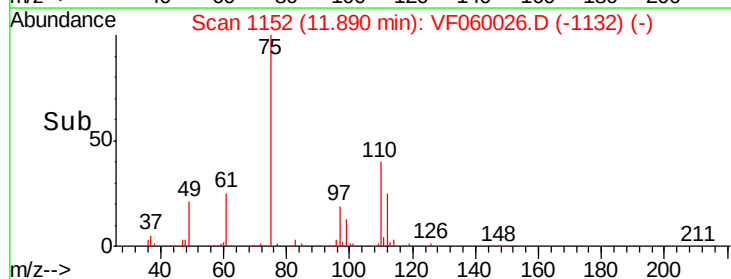
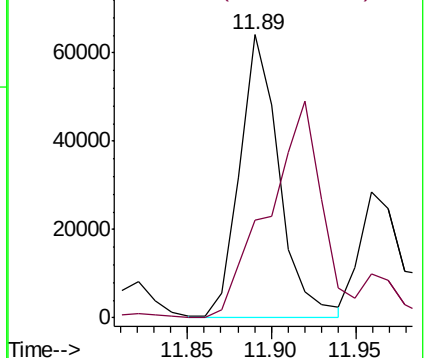
75 100

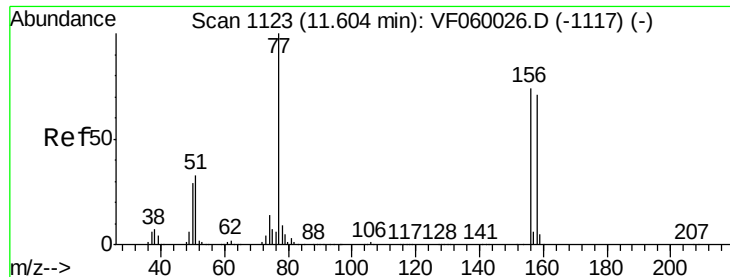
77 34.7 17.3 52.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.765 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

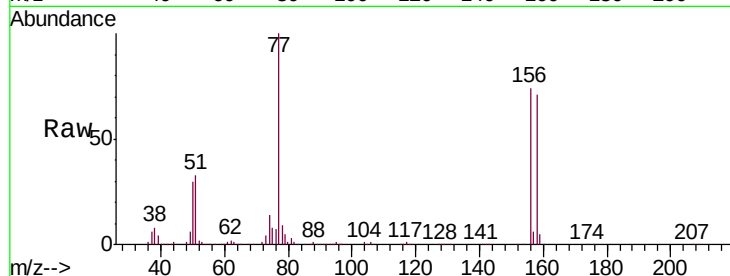
Tgt Ion:156 Resp: 169078

Ion Ratio Lower Upper

156 100

77 136.0 68.0 204.0

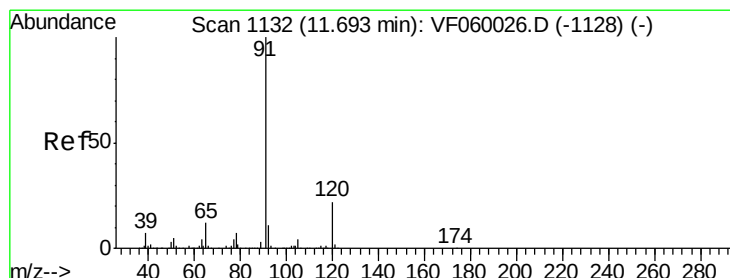
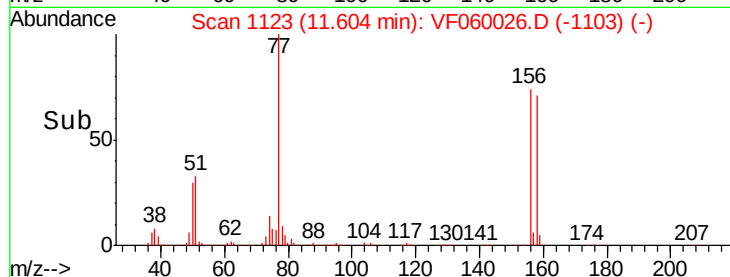
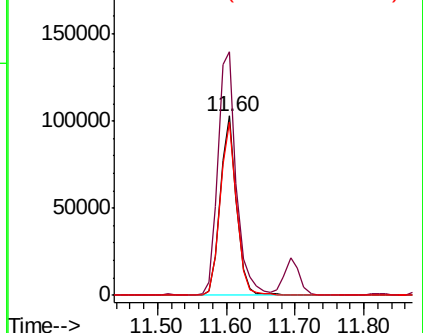
158 96.9 48.4 145.3



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: 48.840 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF060026.D

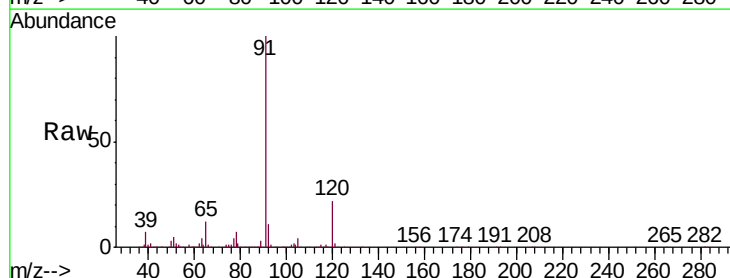
Acq: 21 Aug 2018 18:23

Tgt Ion: 91 Resp: 758122

Ion Ratio Lower Upper

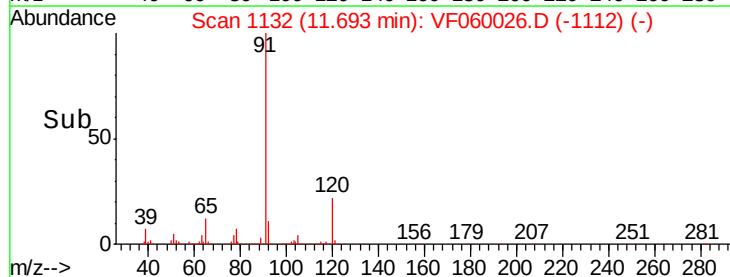
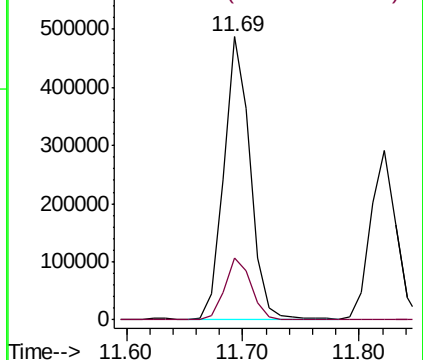
91 100

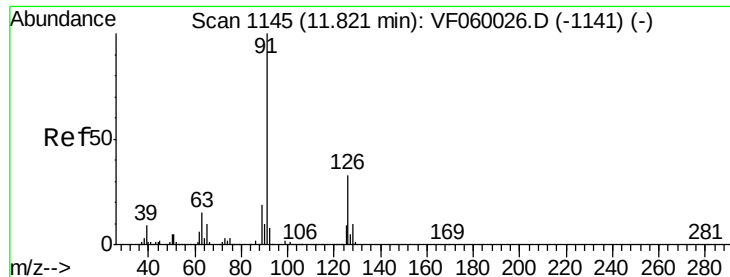
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

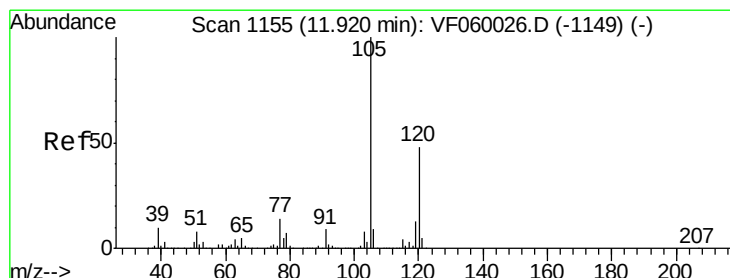
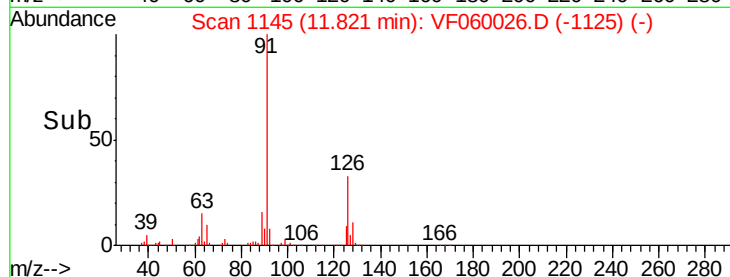
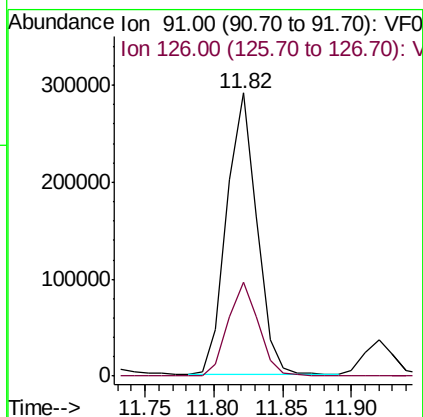
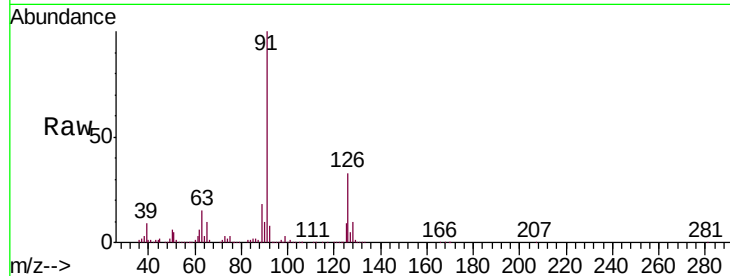




#79
 2-Chlorotoluene
 Concen: 47.457 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

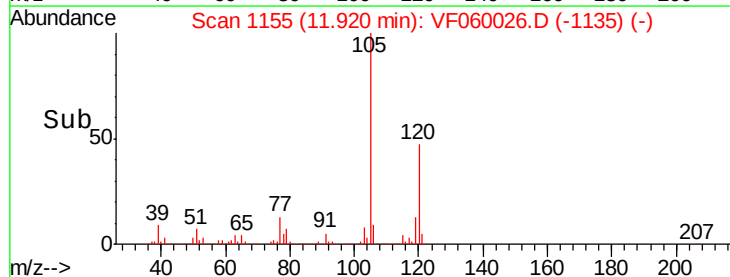
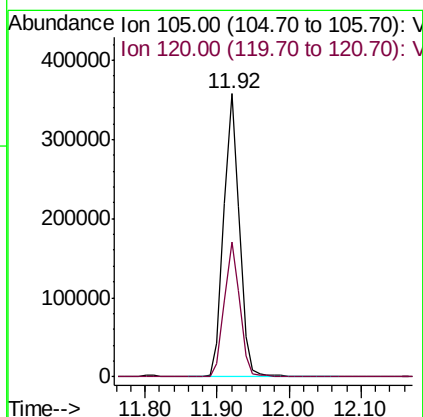
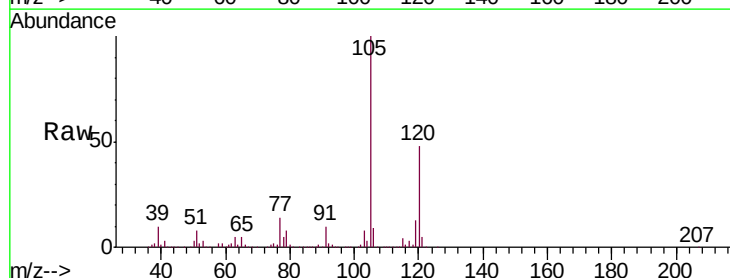
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

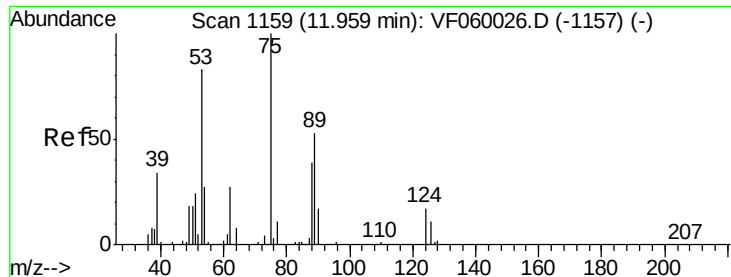
Tgt Ion: 91 Resp: 441820
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 48.183 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion: 105 Resp: 539395
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.5

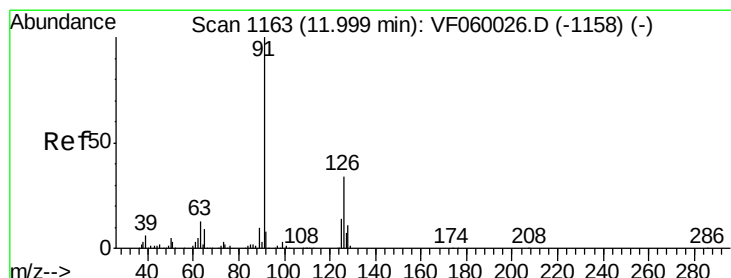
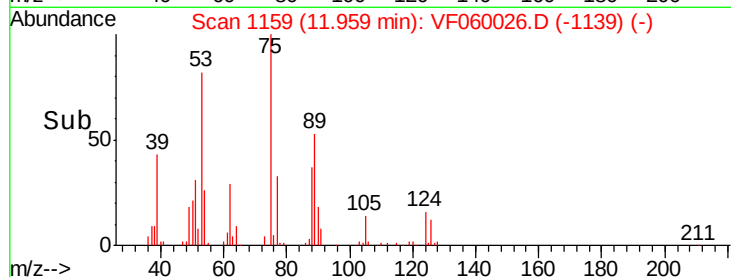
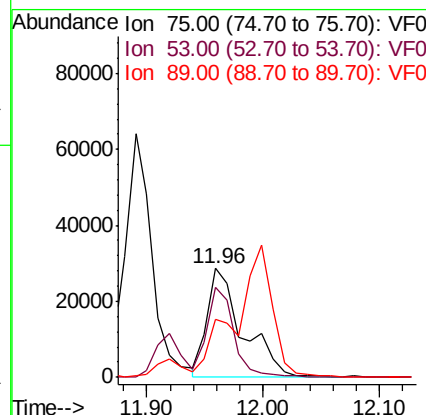
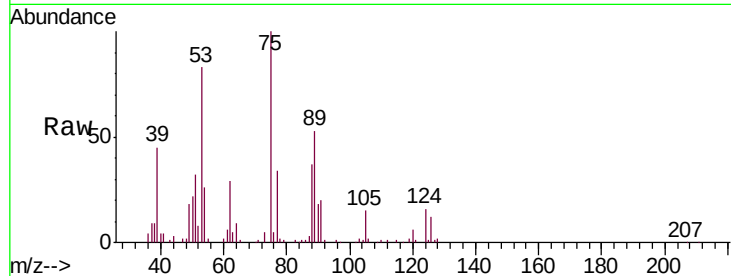




#81
trans-1,4-Dichloro-2-butene
Concen: 66.320 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

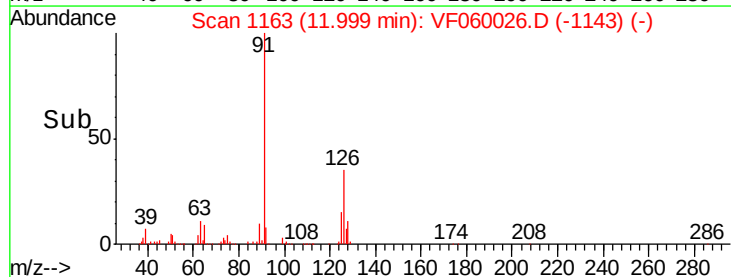
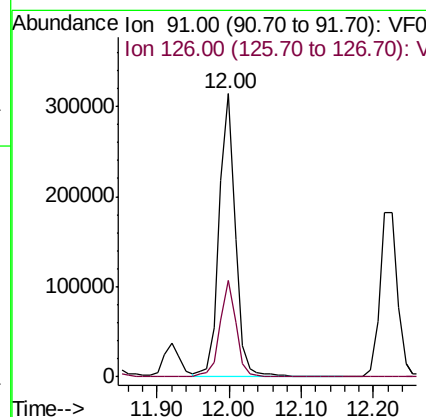
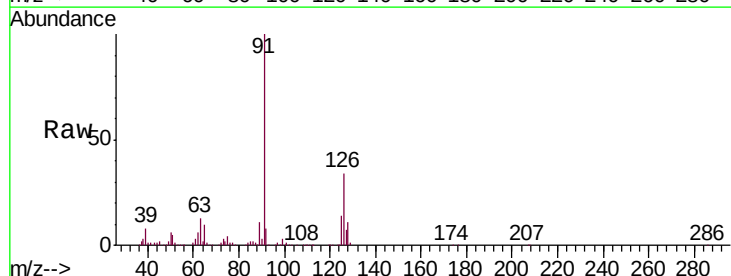
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

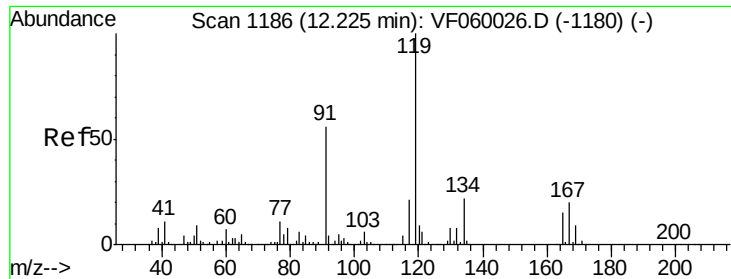
Tgt Ion: 75 Resp: 60405
Ion Ratio Lower Upper
75 100
53 82.8 66.2 99.4
89 53.5 42.8 64.2



#82
4-Chlorotoluene
Concen: 46.832 ug/l
RT: 12.00 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion: 91 Resp: 477091
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9

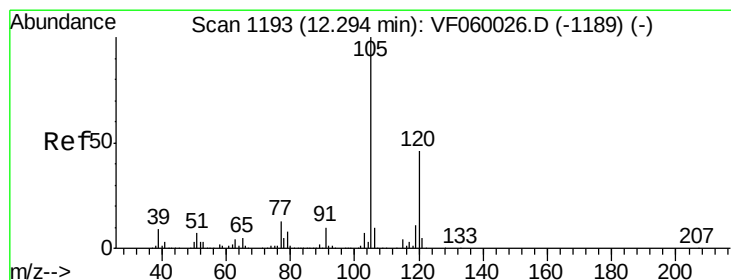
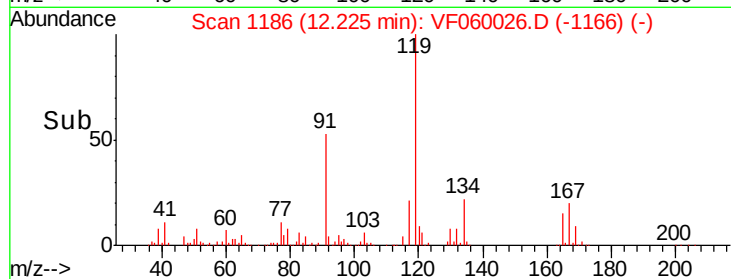
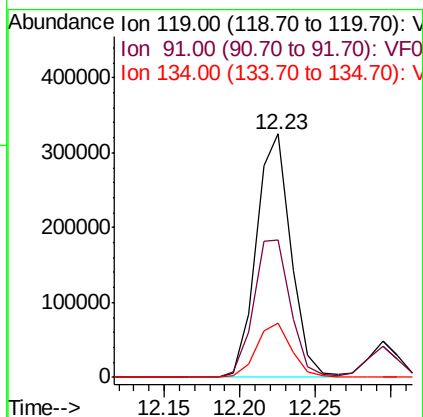
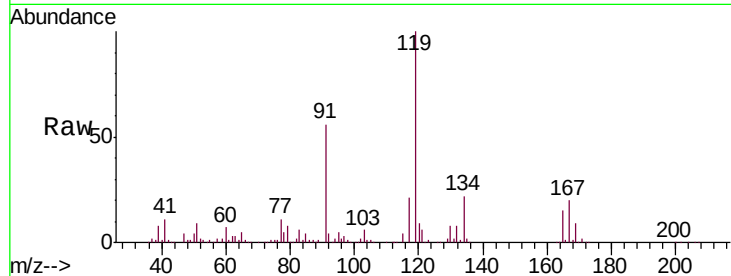




#83
 tert-Butylbenzene
 Concen: 47.638 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

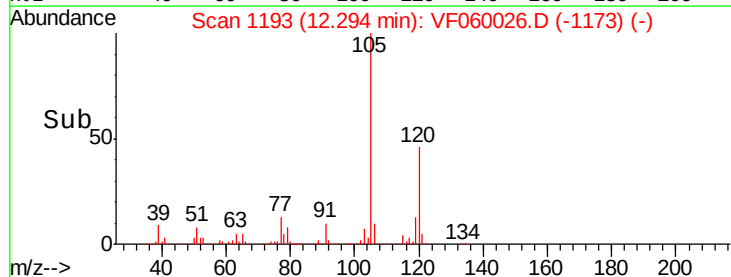
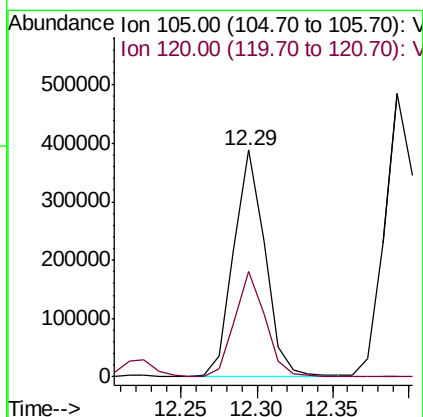
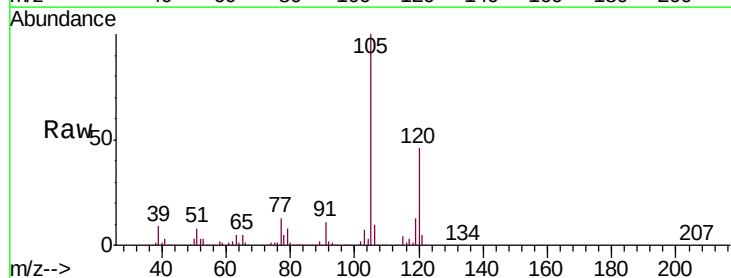
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

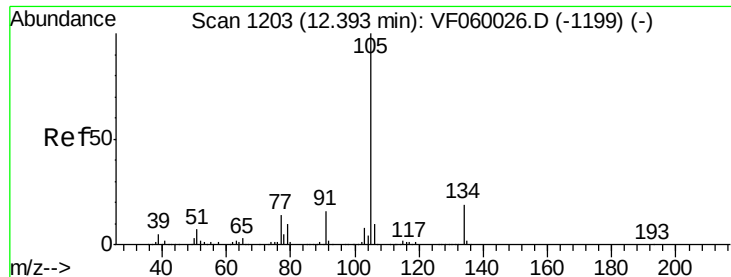
Tgt Ion:119 Resp: 521453
 Ion Ratio Lower Upper
 119 100
 91 56.2 28.1 84.3
 134 22.2 11.1 33.3



#84
 1,2,4-Trimethylbenzene
 Concen: 47.564 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion:105 Resp: 559707
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.8





#85

sec-Butylbenzene

Concen: 49.154 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

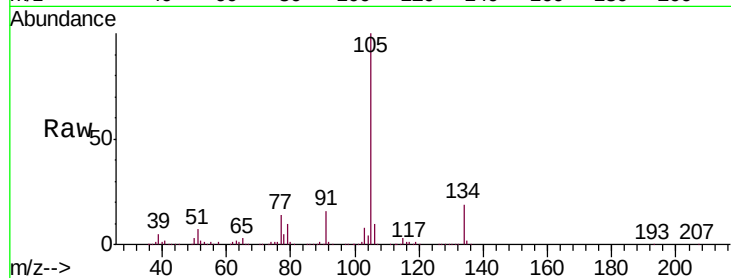
VSTDICCC050

Tgt Ion:105 Resp: 718075

Ion Ratio Lower Upper

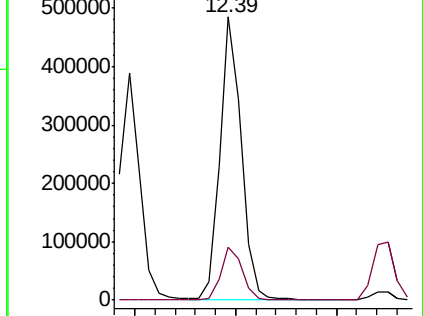
105 100

134 18.6 9.3 27.9

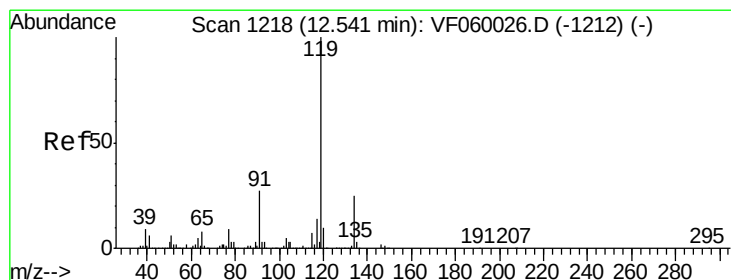
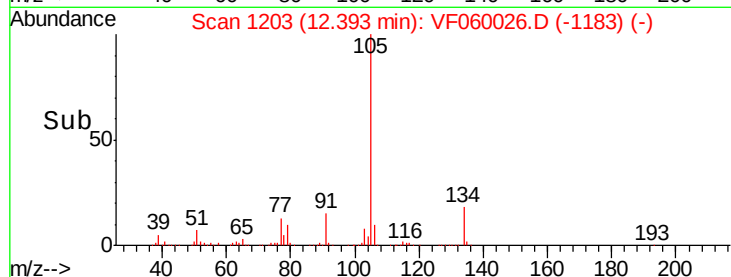


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 47.210 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

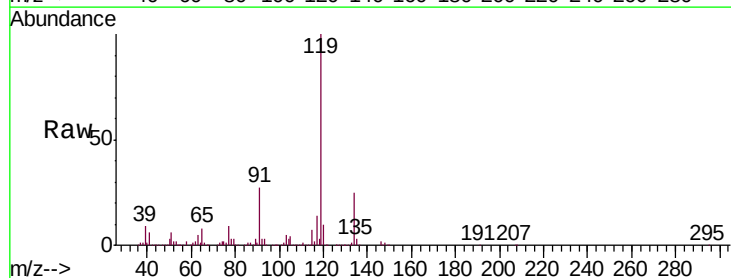
Tgt Ion:119 Resp: 609852

Ion Ratio Lower Upper

119 100

134 24.8 12.4 37.2

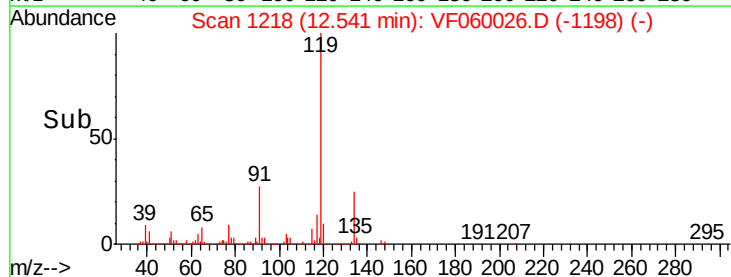
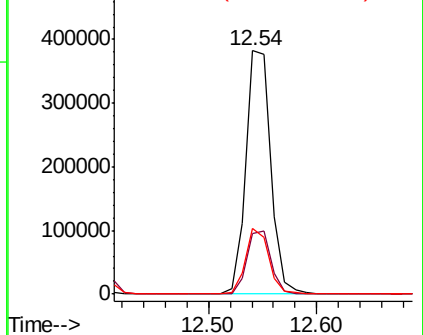
91 26.9 13.5 40.4

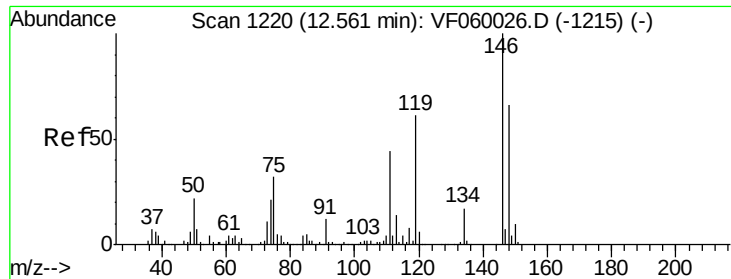


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

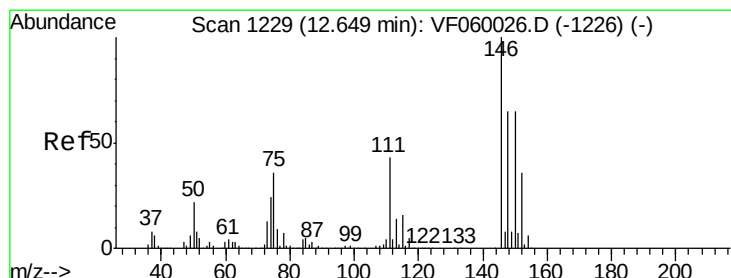
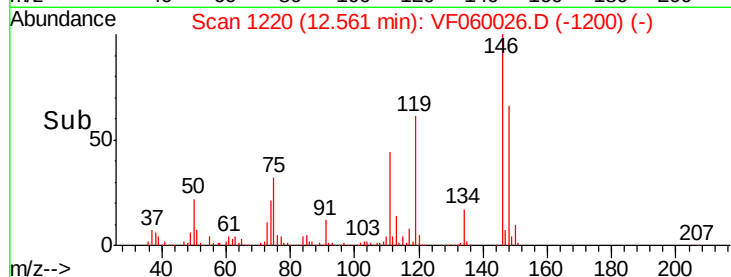
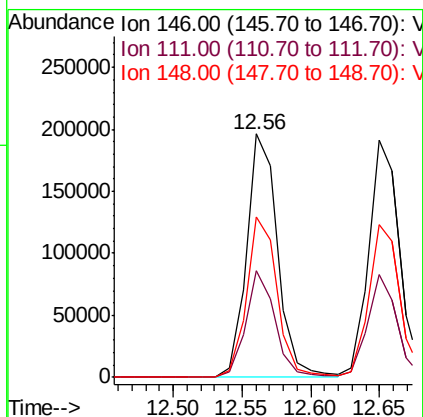
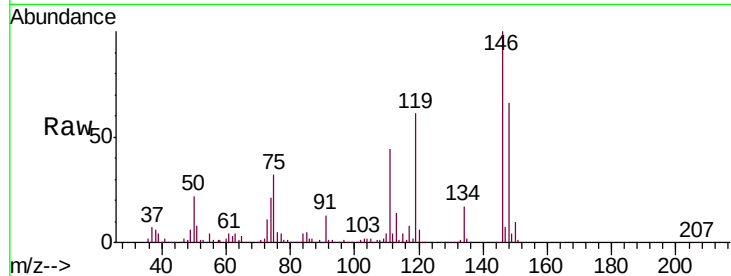




#87
 1,3-Dichlorobenzene
 Concen: 46.703 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

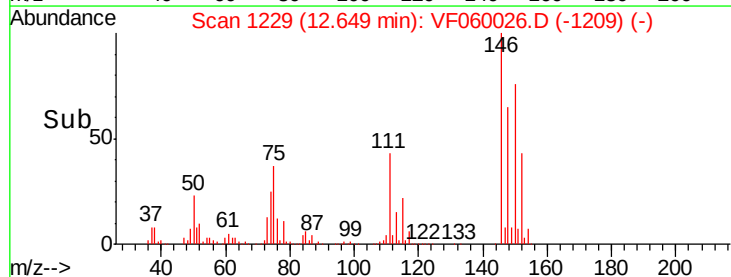
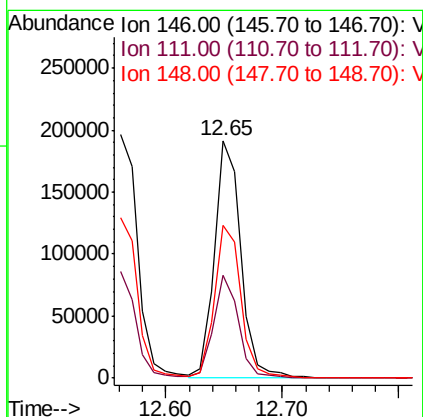
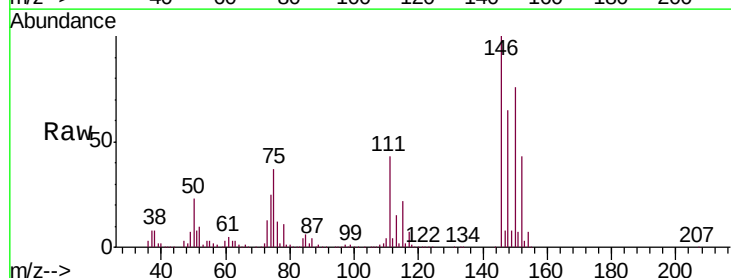
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

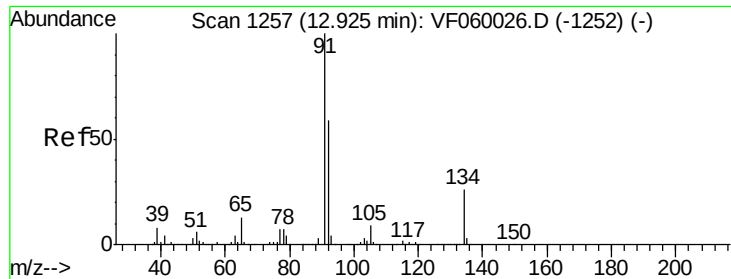
Tgt Ion:146 Resp: 309147
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.9 65.5
 148 65.8 32.9 98.7



#88
 1,4-Dichlorobenzene
 Concen: 46.449 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion:146 Resp: 298692
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.6 64.8
 148 64.5 32.3 96.8

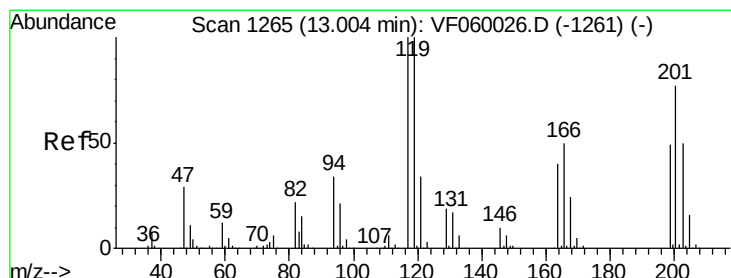
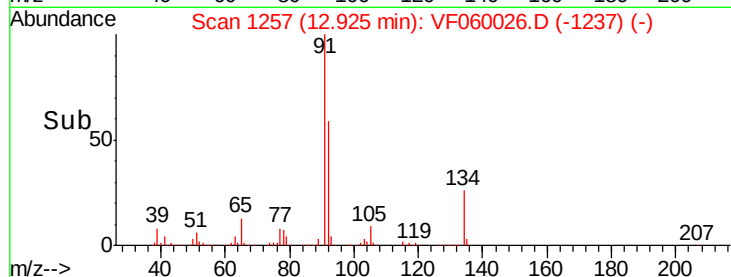
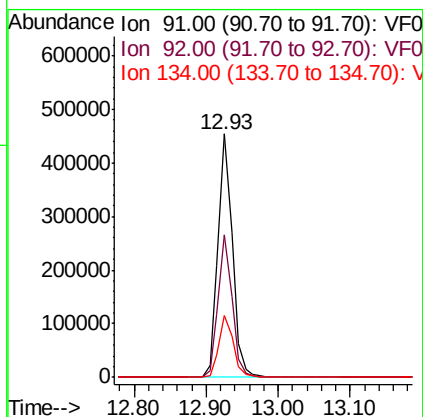
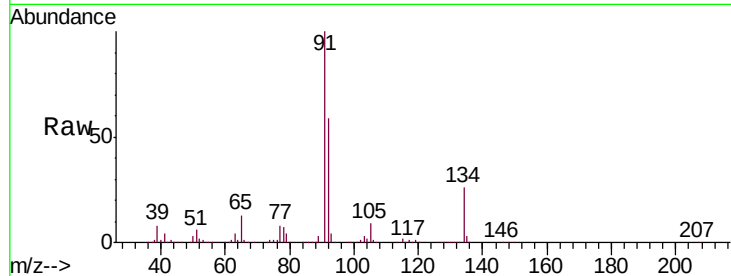




#89
n-Butylbenzene
Concen: 49.527 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

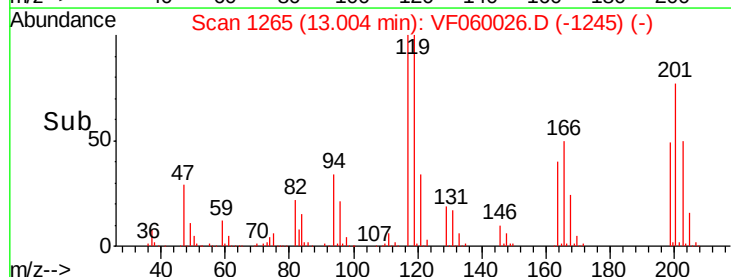
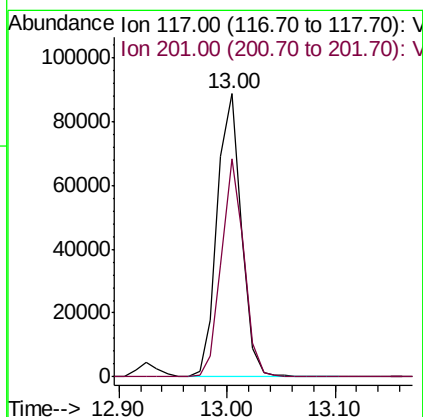
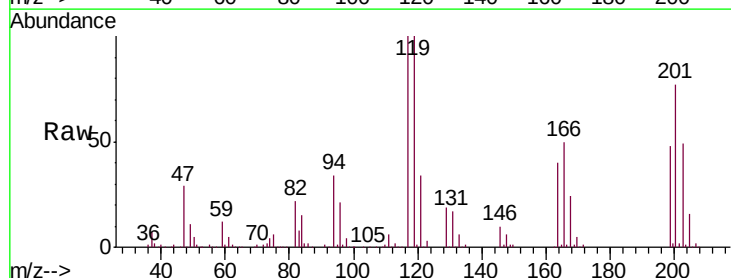
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

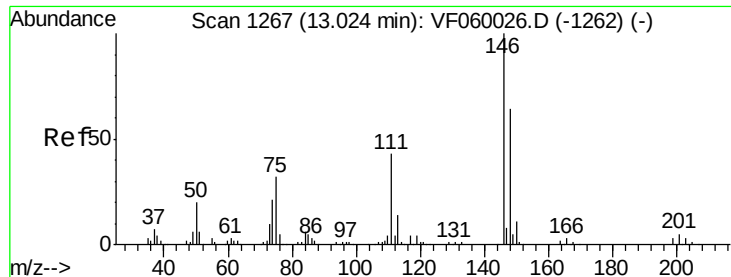
Tgt Ion: 91 Resp: 618227
Ion Ratio Lower Upper
91 100
92 58.6 29.3 87.9
134 25.5 12.8 38.3



#90
Hexachloroethane
Concen: 47.776 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion: 117 Resp: 137449
Ion Ratio Lower Upper
117 100
201 77.2 38.6 115.8

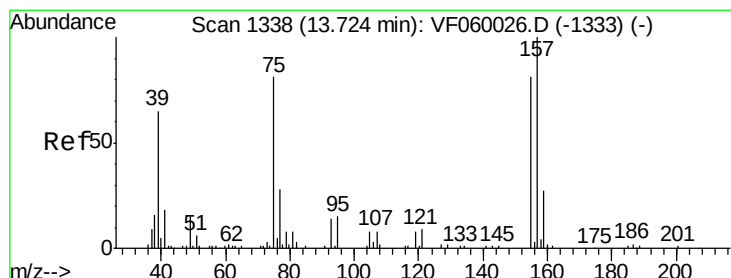
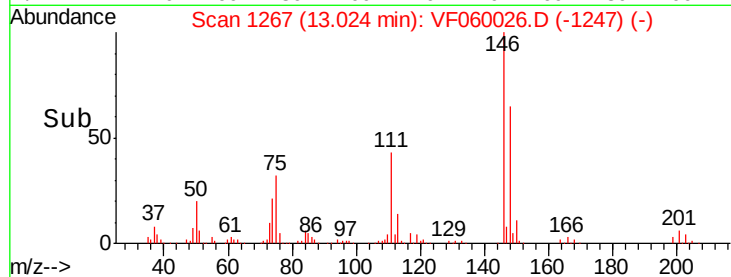
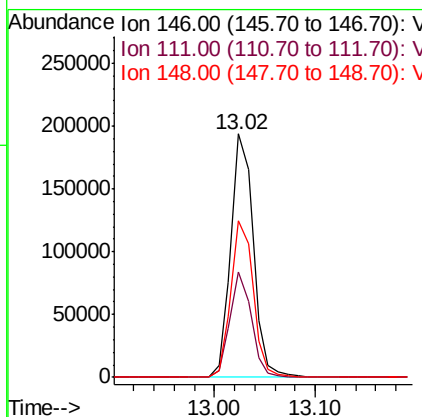
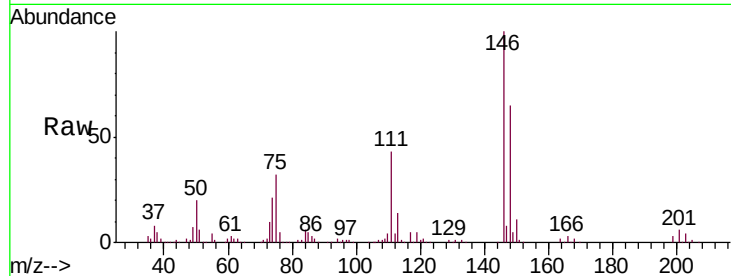




#91
 1,2-Dichlorobenzene
 Concen: 47.757 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

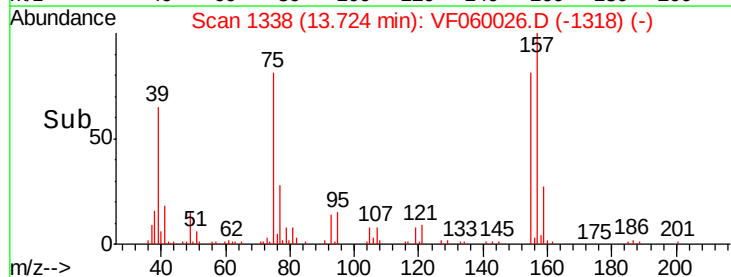
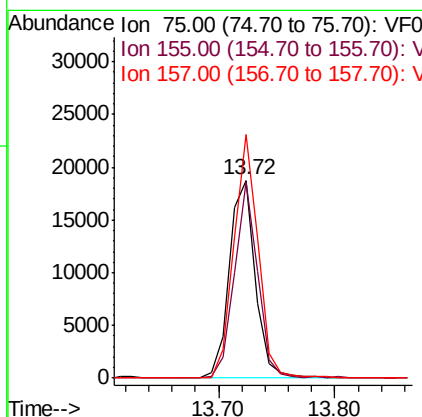
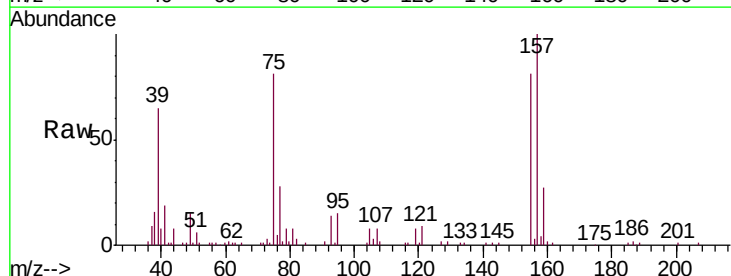
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

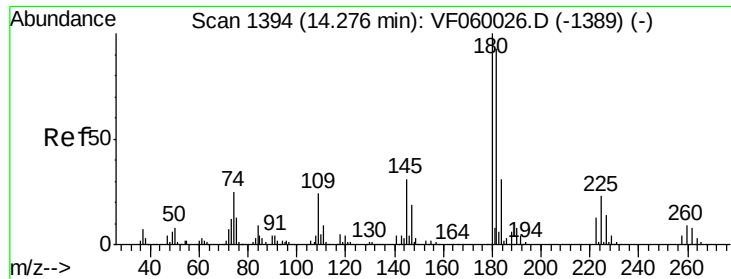
Tgt Ion: 146 Resp: 301114
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.6 64.6
 148 64.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.230 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion: 75 Resp: 28995
 Ion Ratio Lower Upper
 75 100
 155 99.5 49.8 149.3
 157 123.1 61.6 184.7

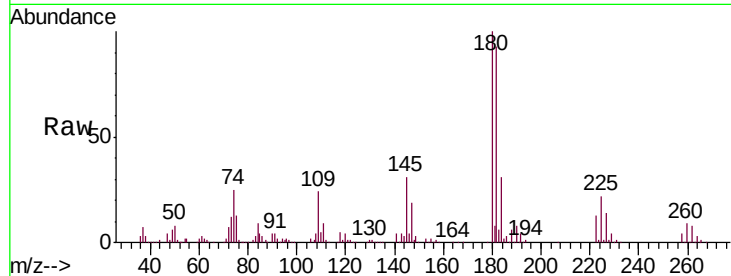




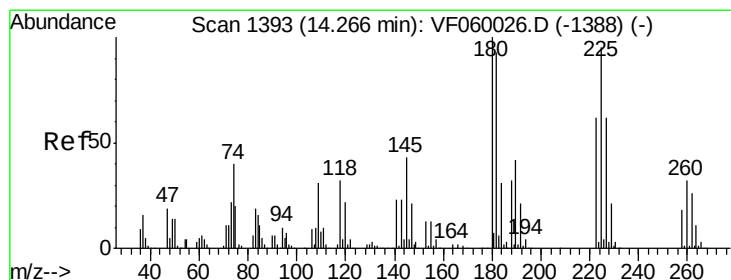
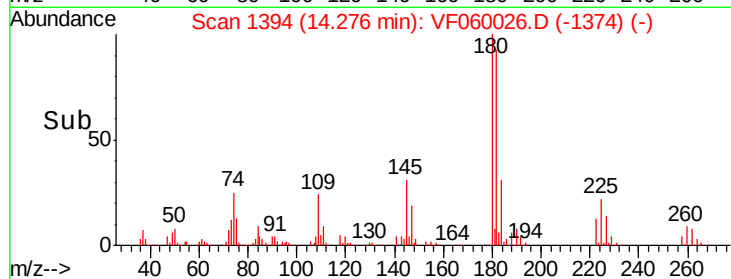
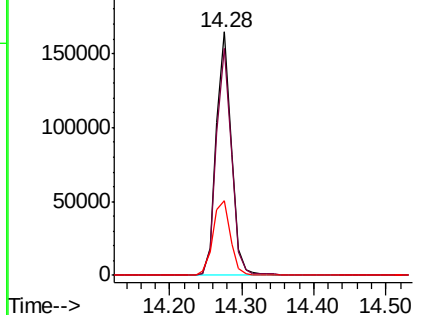
#93
 1,2,4-Trichlorobenzene
 Concen: 46.206 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 235720
 Ion Ratio Lower Upper
 180 100
 182 93.5 46.8 140.3
 145 30.9 15.4 46.4

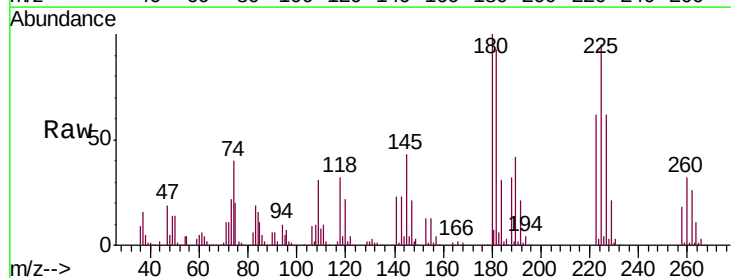


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

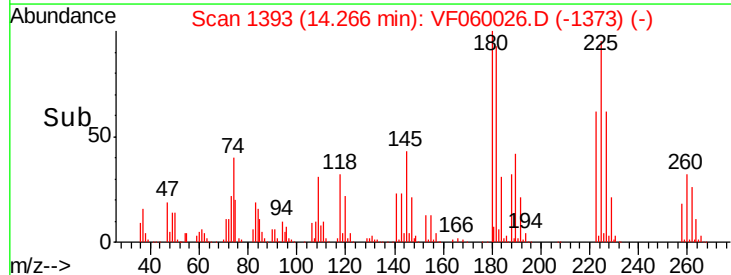
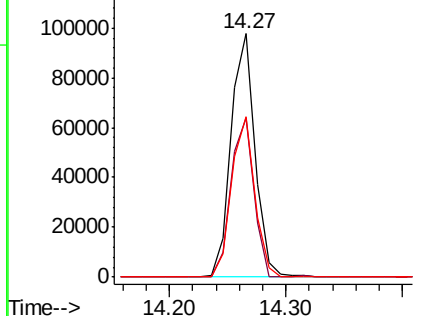


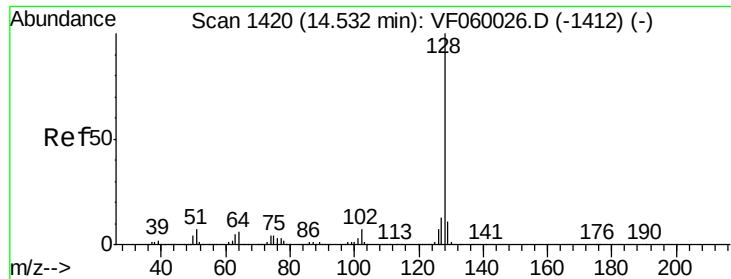
#94
 Hexachlorobutadiene
 Concen: 41.659 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion:225 Resp: 139661
 Ion Ratio Lower Upper
 225 100
 223 65.2 32.6 97.8
 227 65.9 33.0 98.9



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

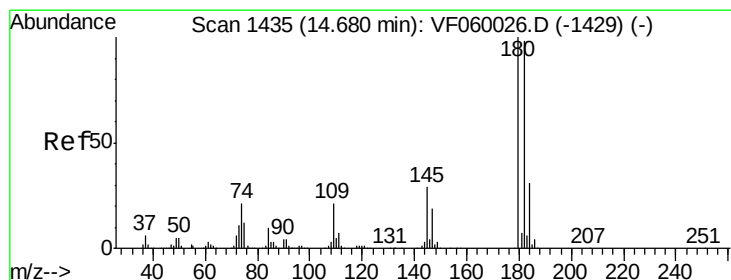
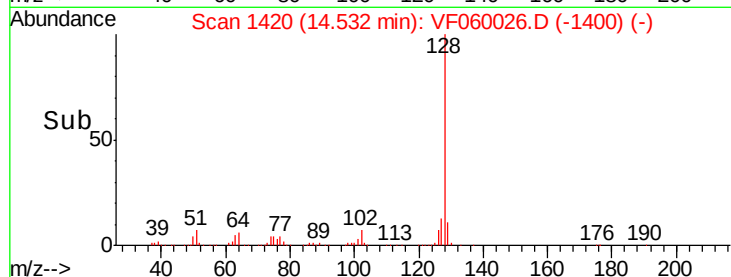
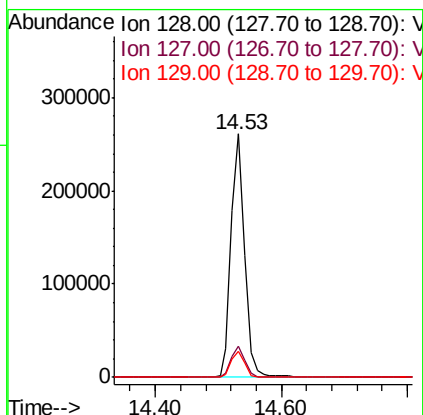
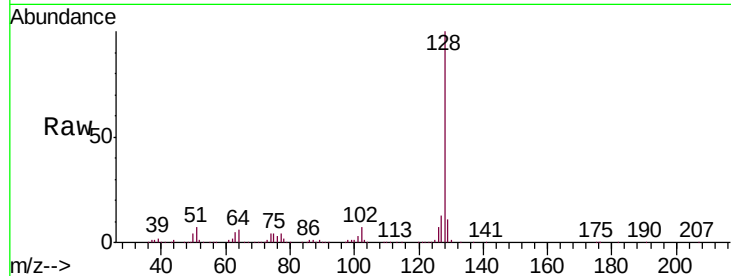




#95
Naphthalene
Concen: 52.703 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.6	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 46.196 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	49.0	147.2
145	28.8	14.4	43.2

