

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060592.D
 Acq On : 6 Nov 2018 3:22
 Operator : VA/AP
 Sample : VF1105SBS02
 Misc : 5.00/5mL/MSVOA-F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 06 07:38:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	246414	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	431924	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	392716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	215609	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	136821	54.95	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.90%		
35) Dibromofluoromethane	4.12	113	168466	50.48	ug/l	0.01
Spiked Amount 50.000			Recovery =	100.96%		
50) Toluene-d8	7.56	98	486942	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.52%		
62) 4-Bromofluorobenzene	11.42	95	214401	49.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.16%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	92200	34.574	ug/l	98
3) Chloromethane	1.10	50	57870	26.834	ug/l	90
4) Vinyl Chloride	1.14	62	47270	23.787	ug/l	95
5) Bromomethane	1.33	94	25936	23.251	ug/l	87
6) Chloroethane	1.38	64	19429	24.923	ug/l	88
7) Trichlorofluoromethane	1.49	101	73235	19.690	ug/l	95
8) Diethyl Ether	1.63	74	13810	20.033	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.83	101	50264	23.649	ug/l	97
10) Methyl Iodide	1.89	142	64624	18.476	ug/l	97
11) Tert butyl alcohol	2.57	59	11520	83.848	ug/l #	87
12) 1,1-Dichloroethene	1.78	96	41307	23.075	ug/l	88
13) Acrolein	2.00	56	9925	101.525	ug/l	98
14) Allyl chloride	2.10	41	69051	23.623	ug/l	99
15) Acrylonitrile	2.95	53	31701	106.838	ug/l	94
16) Acetone	2.24	43	52015	88.662	ug/l	94
17) Carbon Disulfide	1.82	76	119831	23.764	ug/l	99
18) Methyl Acetate	2.35	43	17641	19.652	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	99543	23.788	ug/l	99
20) Methylene Chloride	2.24	84	25407	10.263	ug/l	90
21) trans-1,2-Dichloroethene	2.31	96	44140	23.503	ug/l	93
22) Diisopropyl ether	2.81	45	146621	23.675	ug/l #	94
23) Vinyl Acetate	3.19	43	367812	98.849	ug/l	96
24) 1,1-Dichloroethane	2.88	63	86134	24.032	ug/l	98
25) 2-Butanone	4.34	43	122488	90.561	ug/l	99
26) 2,2-Dichloropropane	3.60	77	58574	21.841	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	80964	22.583	ug/l	97
28) Bromochloromethane	3.72	49	51421	22.861	ug/l	94
29) Tetrahydrofuran	4.08	42	44173	94.900	ug/l	96
30) Chloroform	3.86	83	134158	23.659	ug/l	99
31) Cyclohexane	3.70	56	113618	22.972	ug/l	94
32) 1,1,1-Trichloroethane	4.10	97	100122	25.281	ug/l	95
36) 1,1-Dichloropropene	4.29	75	103292	21.719	ug/l	96
37) Ethyl Acetate	4.12	43	39458	17.284	ug/l	92
38) Carbon Tetrachloride	4.00	117	88002	21.655	ug/l	92

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 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	135493	23.346	ug/l	99
40) Benzene	4.64	78	257143	22.275	ug/l	95
41) Methacrylonitrile	4.75	41	25632	19.826	ug/l	90
42) 1,2-Dichloroethane	4.95	62	73987	22.331	ug/l	96
43) Isopropyl Acetate	6.97	43	51006	17.663	ug/l #	99
44) Trichloroethene	5.51	130	78585	22.651	ug/l	99
45) 1,2-Dichloropropane	6.24	63	65820	22.294	ug/l	90
46) Dibromomethane	6.09	93	39829	21.264	ug/l	95
47) Bromodichloromethane	6.39	83	100980	22.352	ug/l	95
48) Methyl methacrylate	6.72	41	33939	18.700	ug/l	97
49) 1,4-Dioxane	6.71	88	6304	332.040	ug/l #	82
51) 4-Methyl-2-Pentanone	8.26	43	189182	97.421	ug/l	99
52) Toluene	7.63	92	154727	20.576	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	80175	20.419	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	107597	21.688	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	43004	19.652	ug/l	98
56) Ethyl methacrylate	8.63	69	50417	17.908	ug/l	99
57) 1,3-Dichloropropane	8.86	76	76795	20.001	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.63	63	20560	101.798	ug/l	100
59) 2-Hexanone	9.50	43	122090	77.259	ug/l	98
60) Dibromochloromethane	8.73	129	61300	20.030	ug/l	96
61) 1,2-Dibromoethane	8.99	107	47533	20.656	ug/l	96
64) Tetrachloroethene	8.16	164	66834	21.715	ug/l	94
65) Chlorobenzene	9.81	112	165629	20.624	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	69331	20.431	ug/l	93
67) Ethyl Benzene	9.91	91	314479	21.578	ug/l	98
68) m/p-Xylenes	10.14	106	229668	41.836	ug/l	95
69) o-Xylene	10.72	106	130446	21.761	ug/l	95
70) Styrene	10.80	104	181030	20.845	ug/l	96
71) Bromoform	10.78	173	33465	19.094	ug/l #	92
73) Isopropylbenzene	11.13	105	375490	22.331	ug/l	94
74) N-amyl acetate	11.38	43	81540	16.772	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	62644	20.411	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	29365	19.468	ug/l	98
77) Bromobenzene	11.50	156	75565	20.538	ug/l	92
78) n-propylbenzene	11.60	91	417713	21.232	ug/l	98
79) 2-Chlorotoluene	11.72	91	247091	21.992	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	296620	21.401	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	29365	24.772	ug/l	93
82) 4-Chlorotoluene	11.90	91	242532	20.690	ug/l	99
83) tert-Butylbenzene	12.14	119	316100	22.324	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	294871	21.725	ug/l	98
85) sec-Butylbenzene	12.31	105	433736	22.268	ug/l	96
86) p-Isopropyltoluene	12.46	119	356634	22.234	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	150865	20.890	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	142743	20.839	ug/l	99
89) n-Butylbenzene	12.85	91	350593	19.986	ug/l	96
90) Hexachloroethane	12.92	117	90277	22.132	ug/l	72
91) 1,2-Dichlorobenzene	12.95	146	142200	21.047	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	11355	21.295	ug/l	94

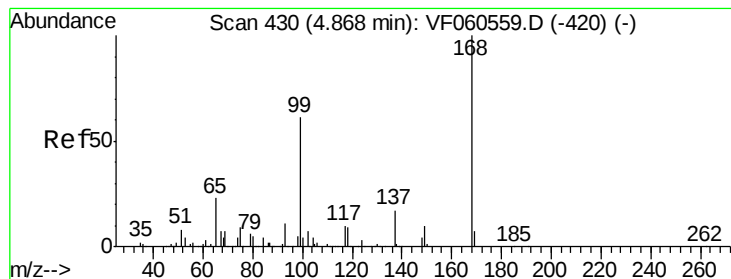
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	101047	22.015	ug/l	89
94) Hexachlorobutadiene	14.19	225	66101	22.225	ug/l	97
95) Naphthalene	14.46	128	177986	19.374	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	94747	21.852	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

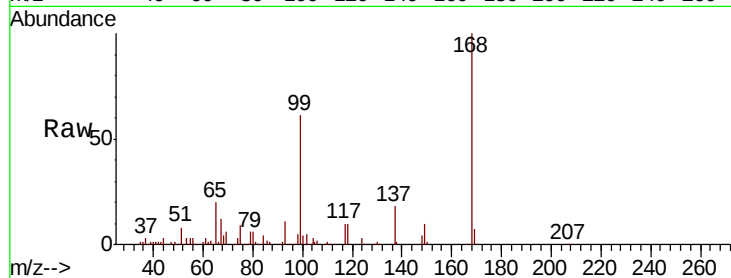
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 246414

Ion Ratio Lower Upper

168 100

99 61.2 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

40000

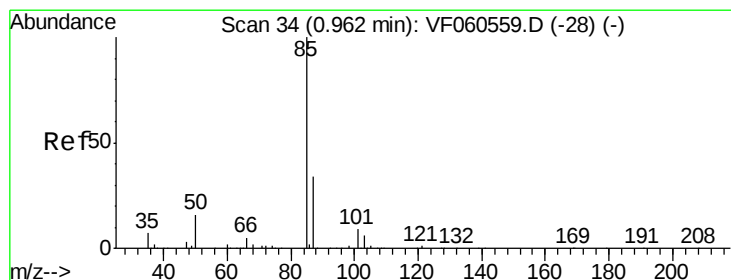
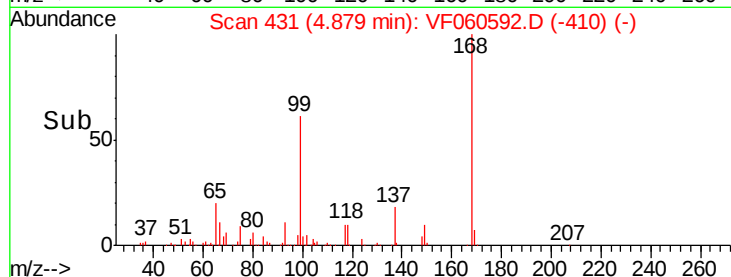
20000

0

4.88

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 34.574 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060592.D

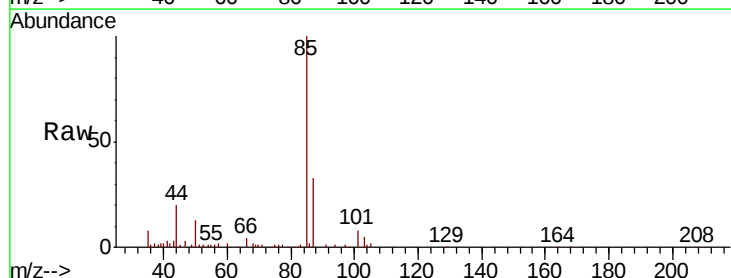
Acq: 6 Nov 2018 3:22

Tgt Ion: 85 Resp: 92200

Ion Ratio Lower Upper

85 100

87 32.7 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

30000

25000

20000

15000

10000

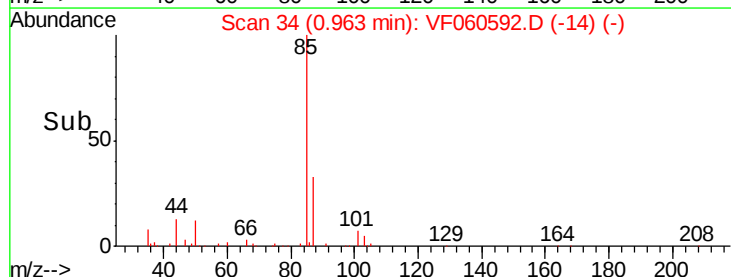
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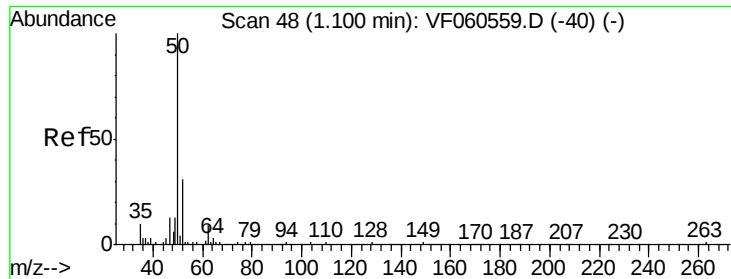
0

0.96

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 26.834 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

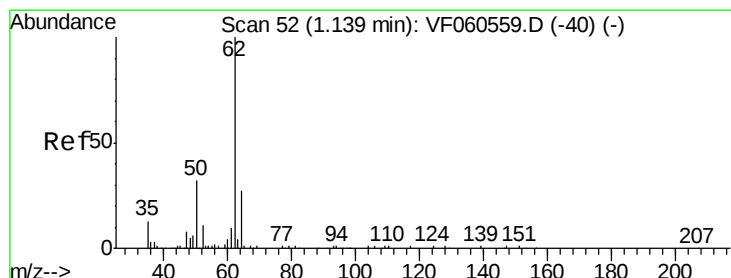
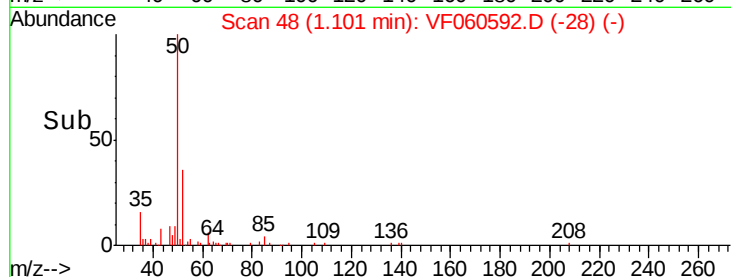
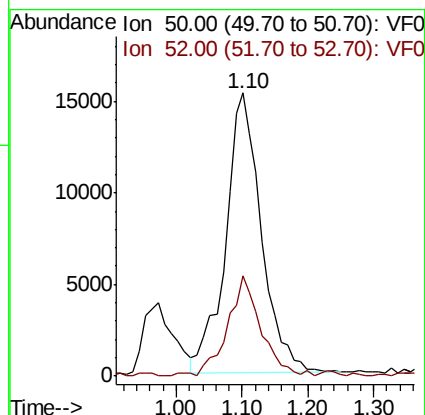
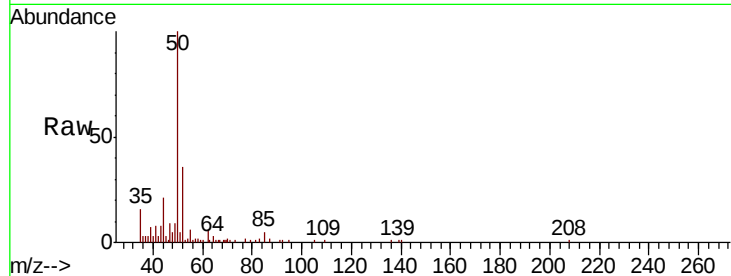
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 57870

Ion Ratio Lower Upper

50 100

52 35.7 24.0 36.0



#4

Vinyl Chloride

Concen: 23.787 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060592.D

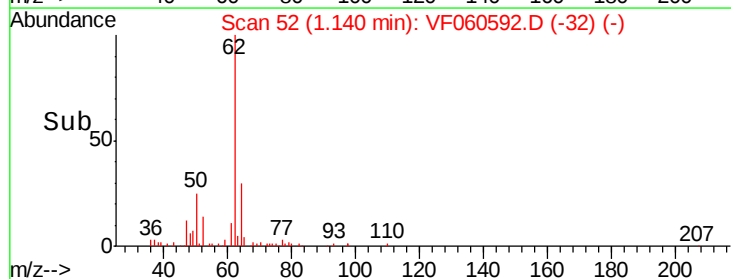
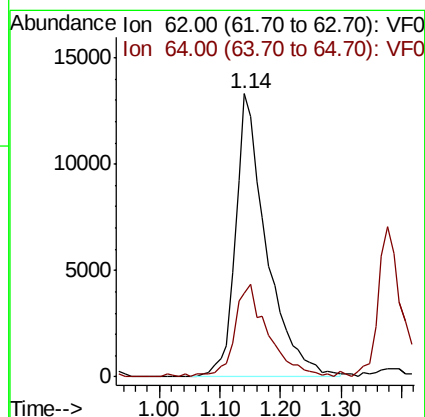
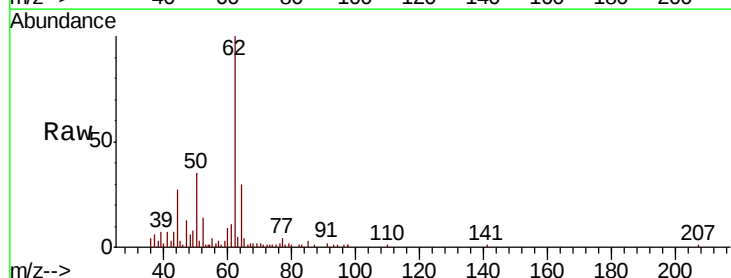
Acq: 6 Nov 2018 3:22

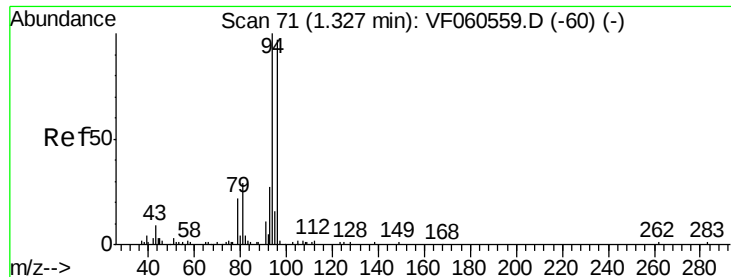
Tgt Ion: 62 Resp: 47270

Ion Ratio Lower Upper

62 100

64 29.6 21.8 32.6





#5

Bromomethane

Concen: 23.251 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

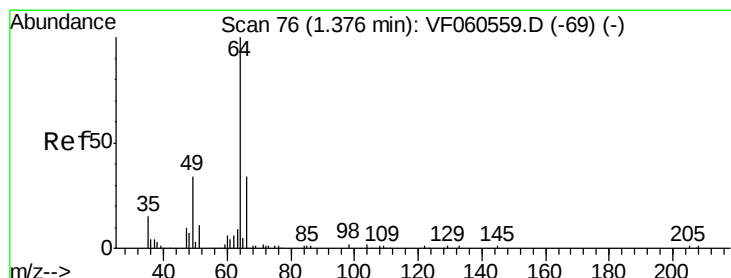
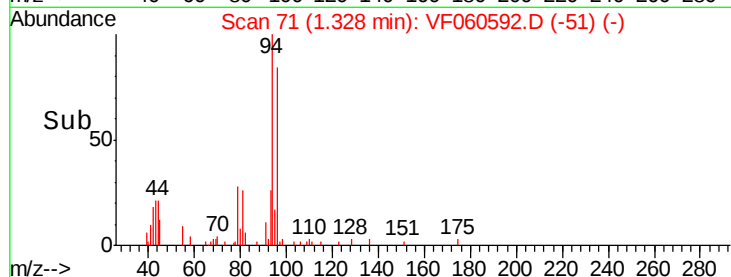
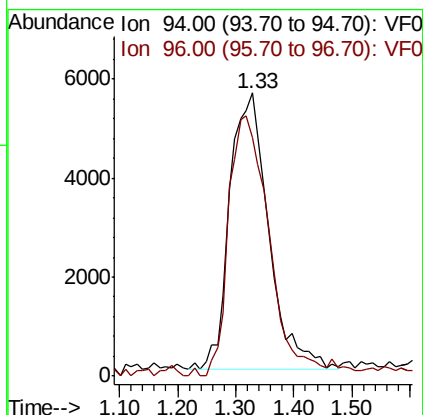
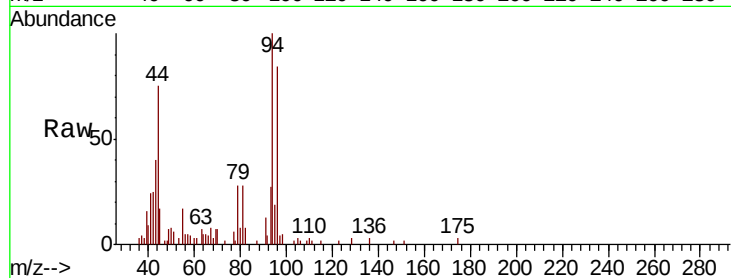
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 25936

Ion Ratio Lower Upper

94 100

96 84.4 77.9 116.9



#6

Chloroethane

Concen: 24.923 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.00 min

Lab File: VF060592.D

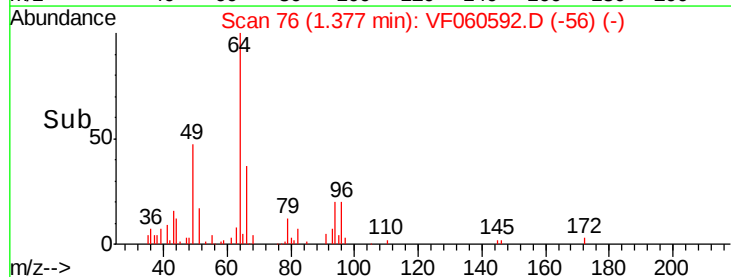
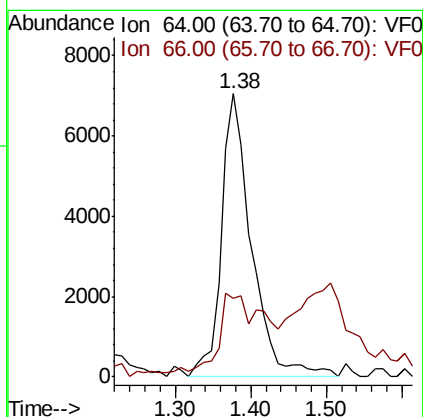
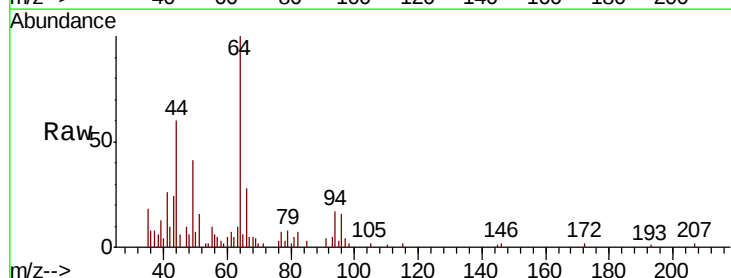
Acq: 6 Nov 2018 3:22

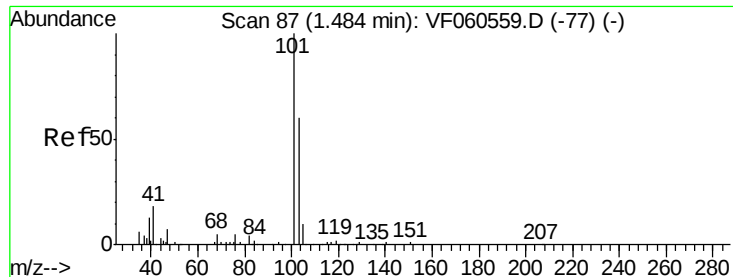
Tgt Ion: 64 Resp: 19429

Ion Ratio Lower Upper

64 100

66 28.0 27.8 41.8





#7

Trichlorofluoromethane

Concen: 19.690 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :

MSVOA_F

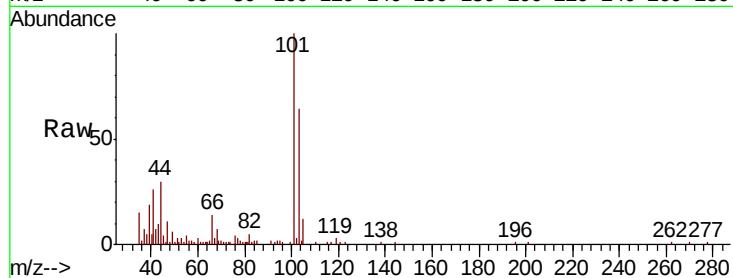
ClientSampleId :

Tot Ion:101 Resp: 73235

Ion Ratio Lower Upper

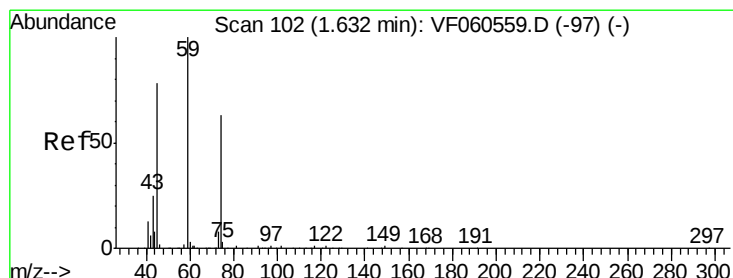
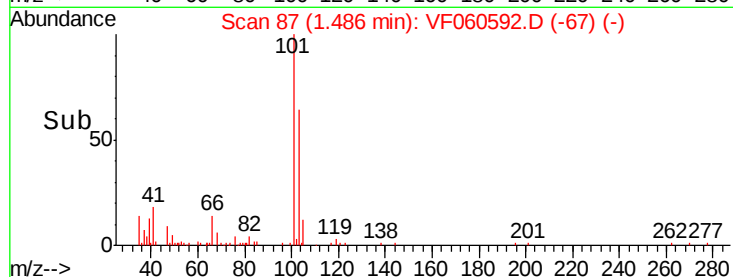
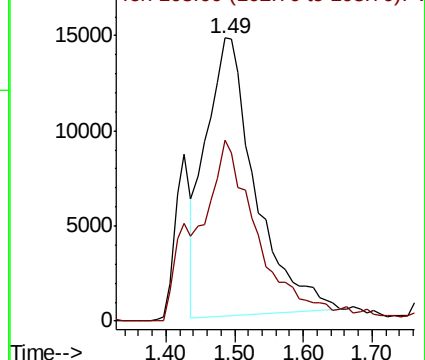
101 100

103 63.8 48.0 72.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.033 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060592.D

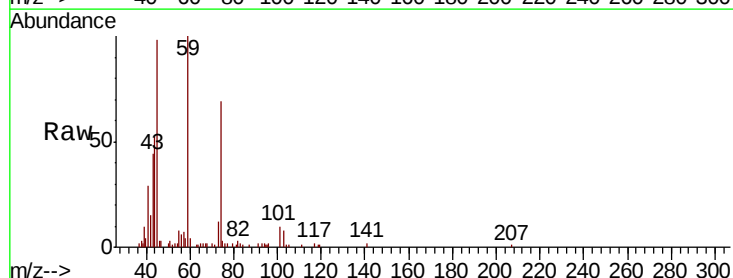
Acq: 6 Nov 2018 3:22

Tgt Ion: 74 Resp: 13810

Ion Ratio Lower Upper

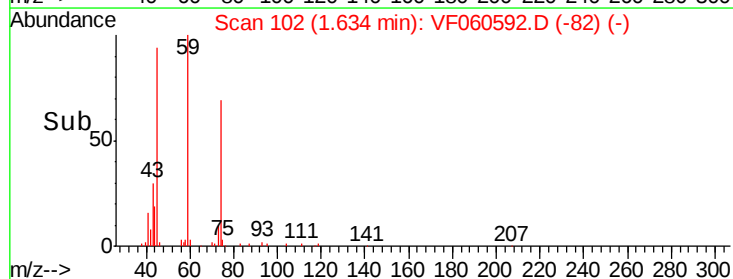
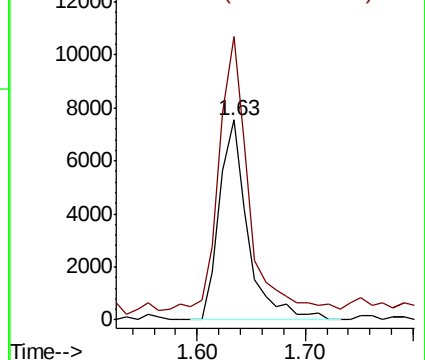
74 100

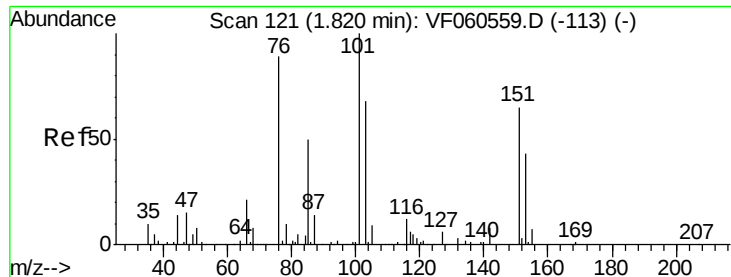
45 141.7 63.8 191.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.649 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.01 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :

MSVOA_F

ClientSampleId :

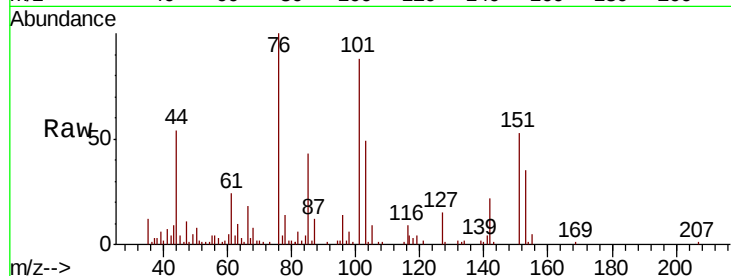
Tot Ion:101 Resp: 50264

Ion Ratio Lower Upper

101 100

85 48.6 39.8 59.6

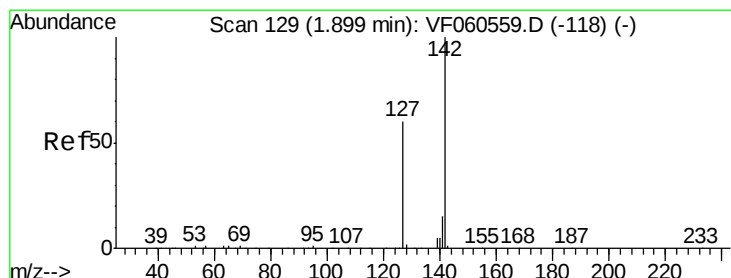
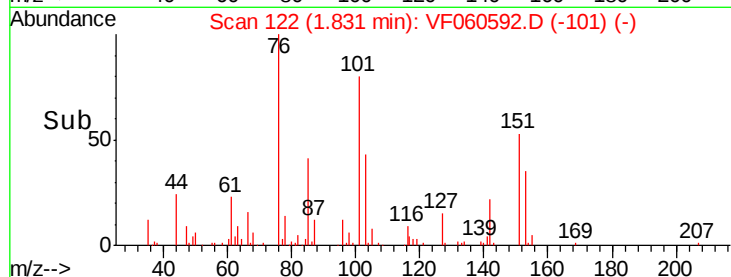
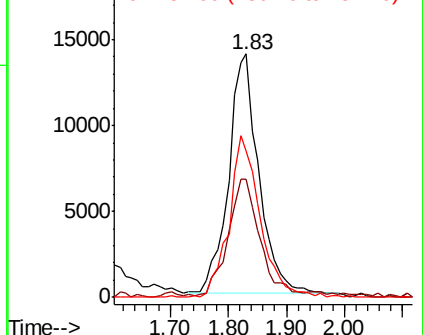
151 60.2 50.8 76.2



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: 18.476 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.01 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

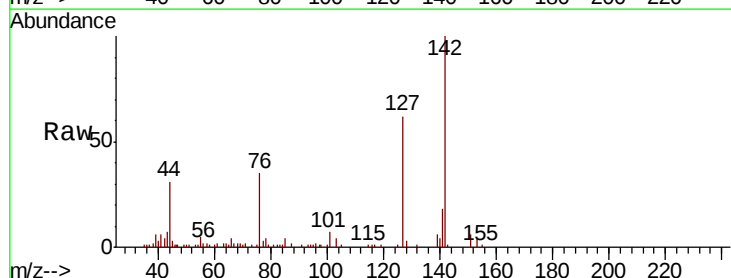
Tgt Ion:142 Resp: 64624

Ion Ratio Lower Upper

142 100

127 61.7 47.8 71.6

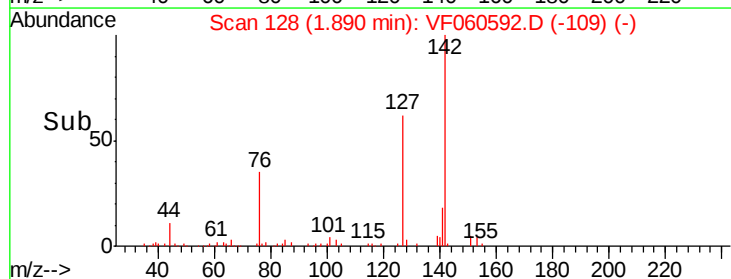
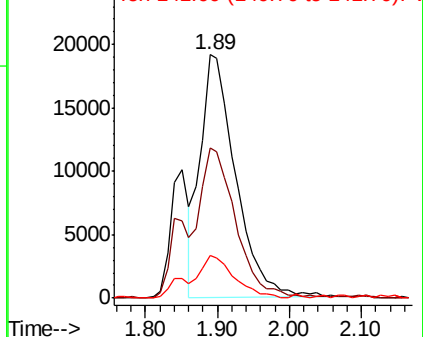
141 17.5 12.7 19.1

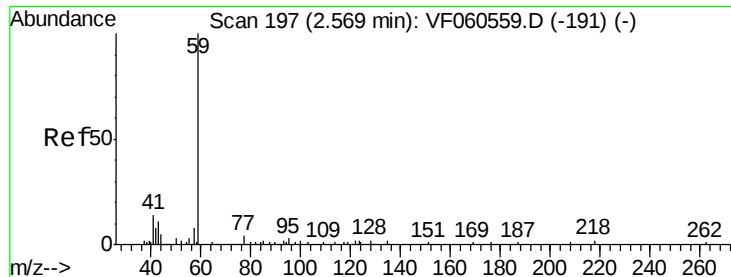


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

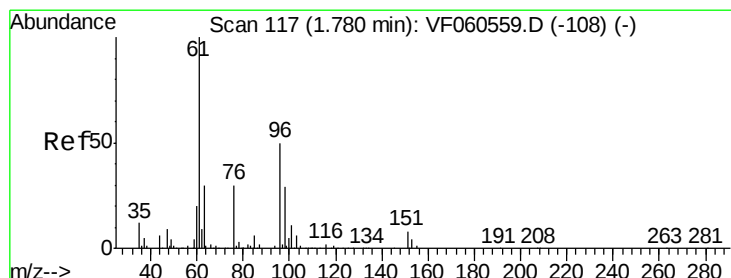
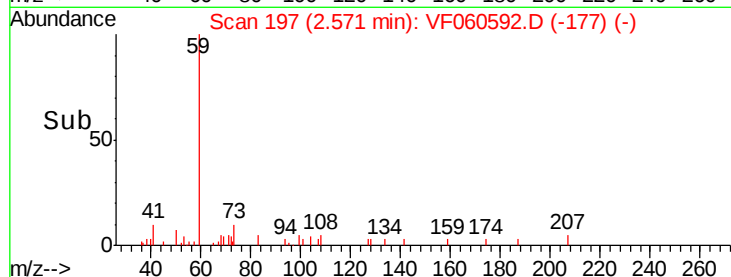
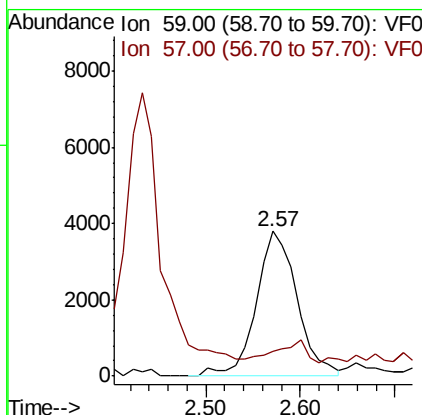
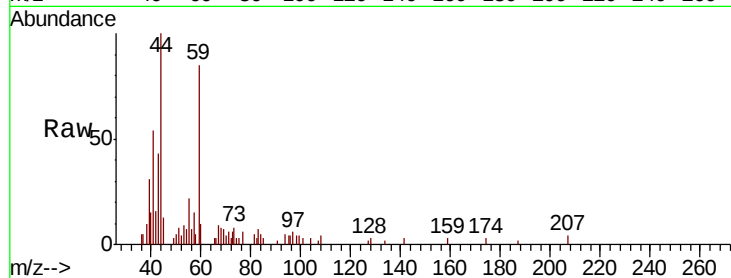




#11
Tert butyl alcohol
Concen: 83.848 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

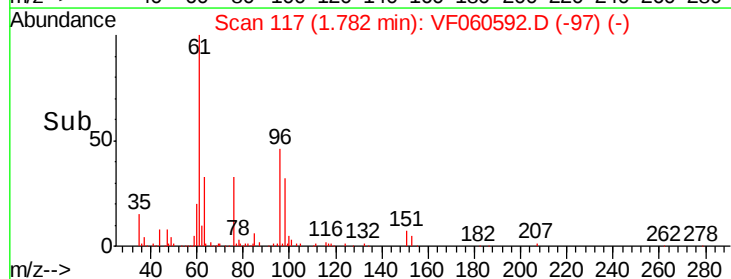
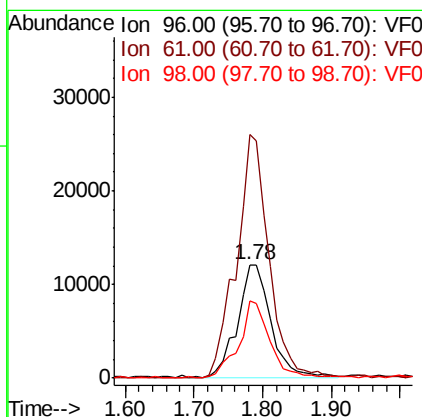
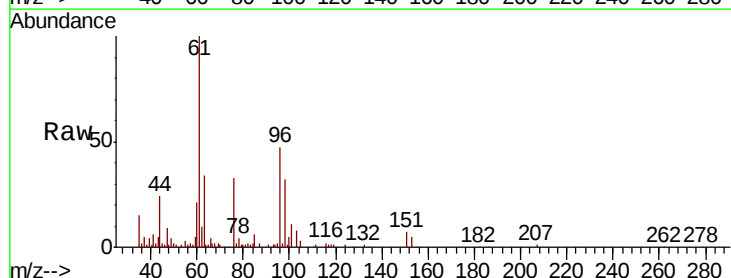
Instrument :
MSVOA_F
ClientSampleId :

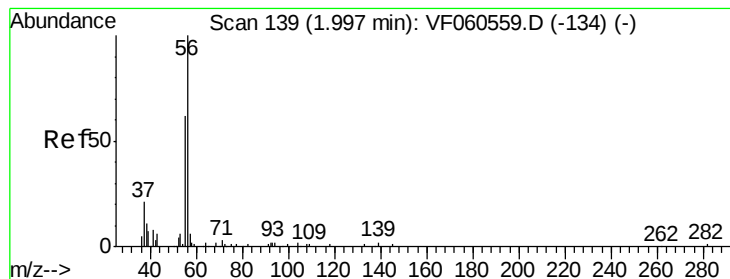
Tot Ion: 59 Resp: 11520
Ion Ratio Lower Upper
59 100
57 17.5 19.0 28.4#



#12
1,1-Dichloroethene
Concen: 23.075 ug/l
RT: 1.78 min Scan# 117
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion: 96 Resp: 41307
Ion Ratio Lower Upper
96 100
61 214.6 158.1 237.1
98 68.0 47.0 70.6





#13

Acrolein

Concen: 101.525 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

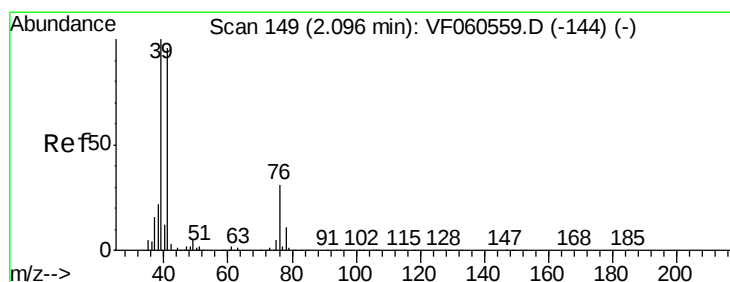
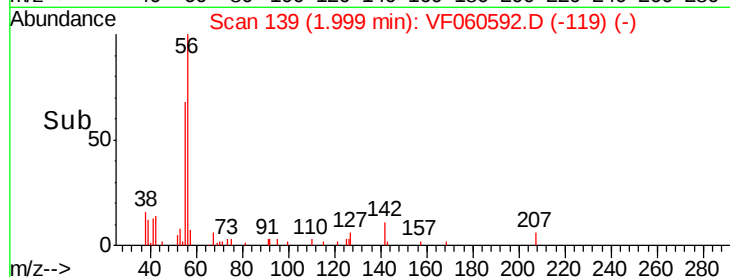
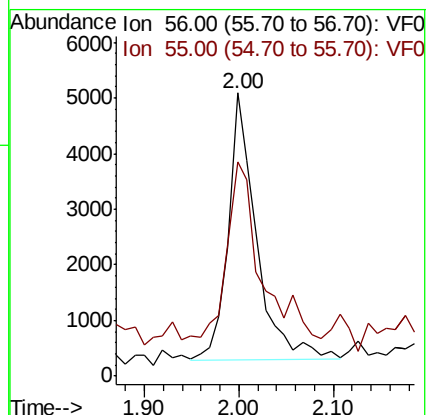
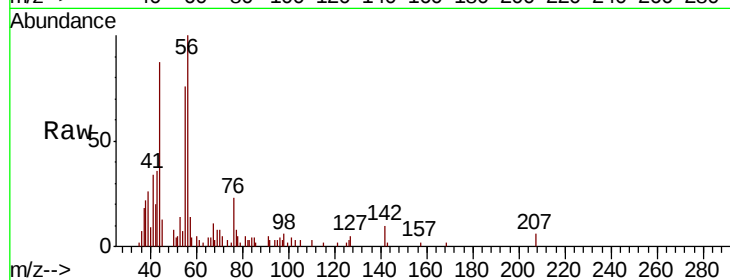
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 9925

Ion Ratio Lower Upper

56 100

55 75.8 61.8 92.6



#14

Allyl chloride

Concen: 23.623 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

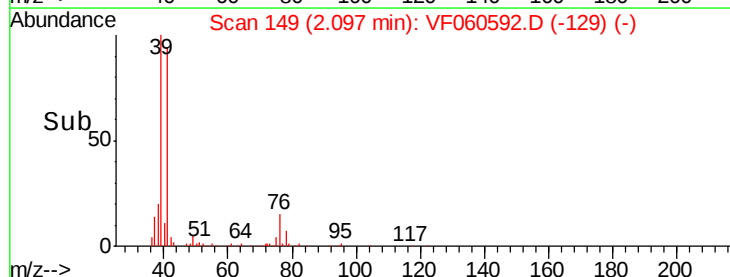
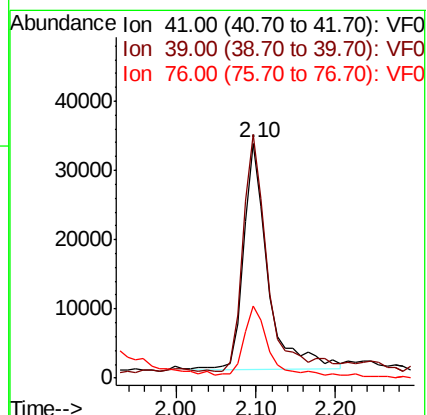
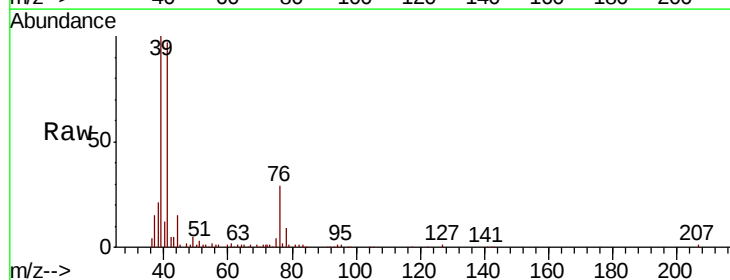
Tgt Ion: 41 Resp: 69051

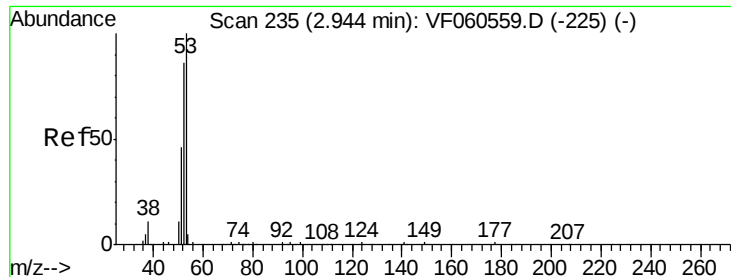
Ion Ratio Lower Upper

41 100

39 103.6 82.6 124.0

76 30.5 26.7 40.1





#15

Acrylonitrile

Concen: 106.838 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

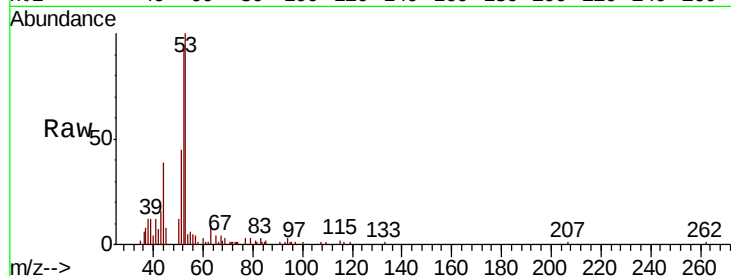
Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 53 Resp: 31701

Ion	Ratio	Lower	Upper
53	100		
52	91.7	68.5	102.7
51	45.0	38.2	57.2

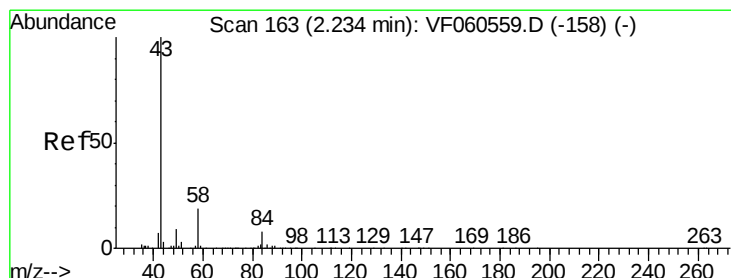
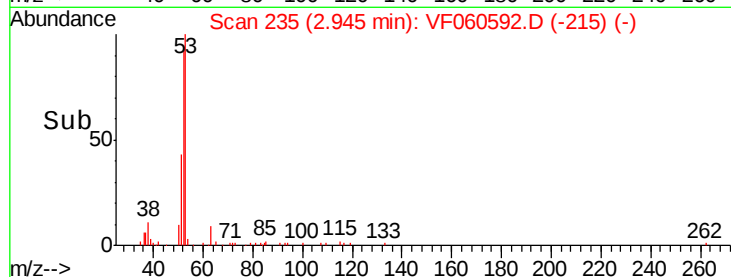


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 88.662 ug/l

RT: 2.24 min Scan# 163

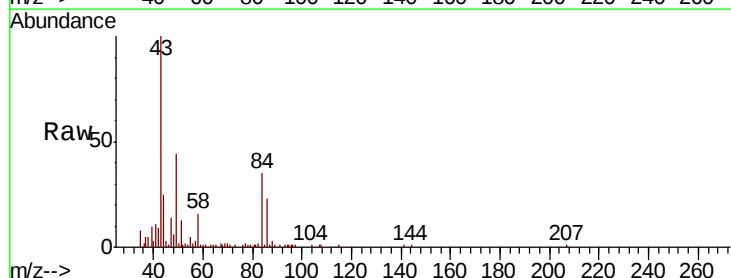
Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Tgt Ion: 43 Resp: 52015

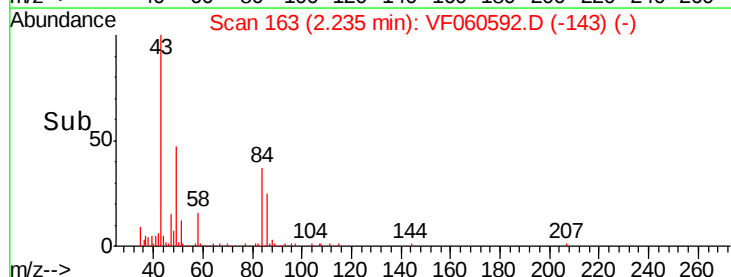
Ion	Ratio	Lower	Upper
43	100		
58	15.7	14.6	22.0

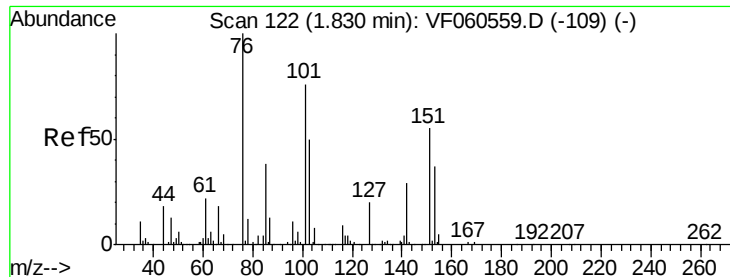


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 23.764 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :

MSVOA_F

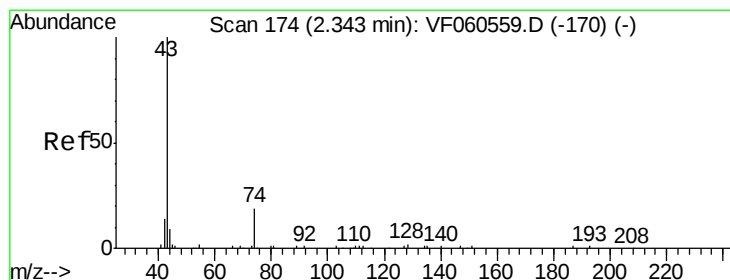
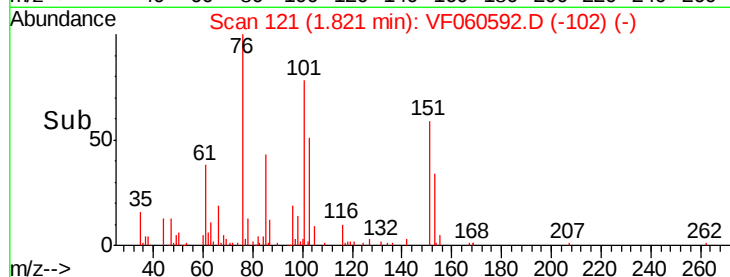
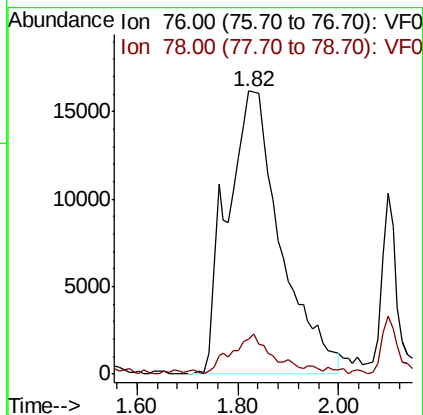
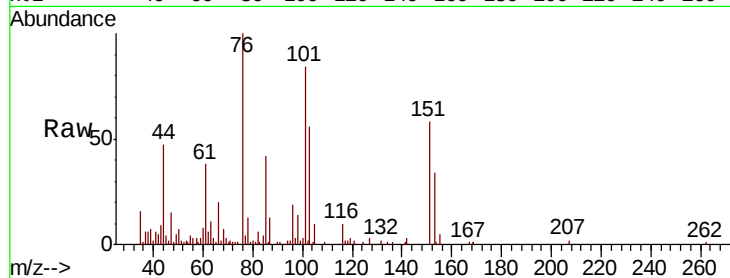
ClientSampleId :

Tot Ion: 76 Resp: 119831

Ion Ratio Lower Upper

76 100

78 12.6 9.9 14.9



#18

Methyl Acetate

Concen: 19.652 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF060592.D

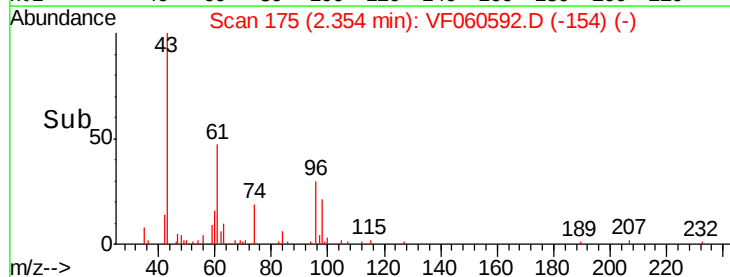
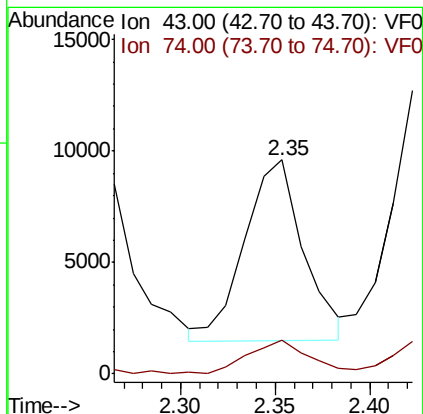
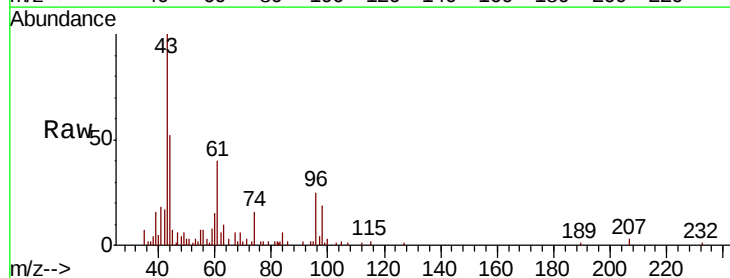
Acq: 6 Nov 2018 3:22

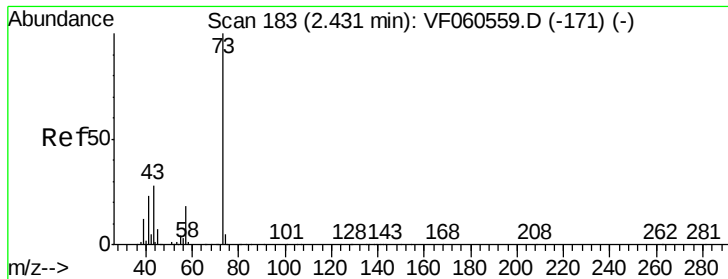
Tgt Ion: 43 Resp: 17641

Ion Ratio Lower Upper

43 100

74 15.9 12.1 18.1

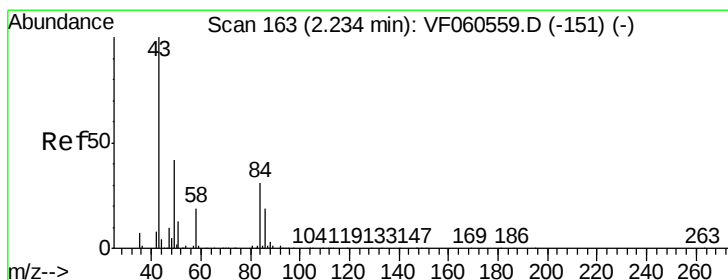
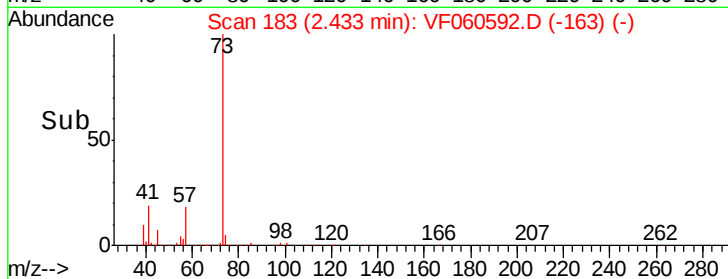
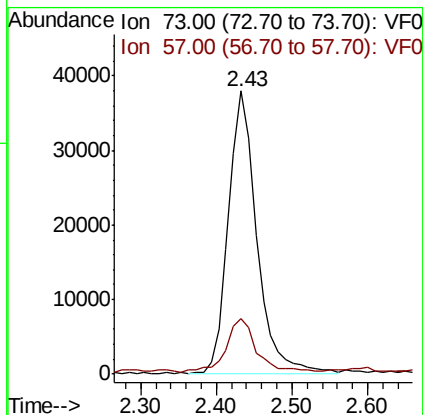
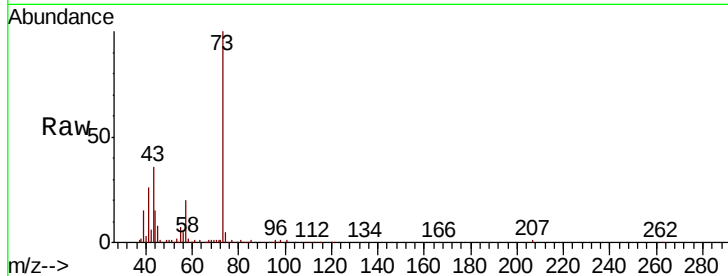




#19
Methvl tert-butvl Ether
Concen: 23.788 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

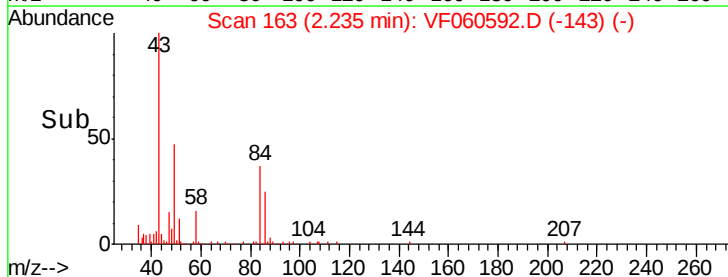
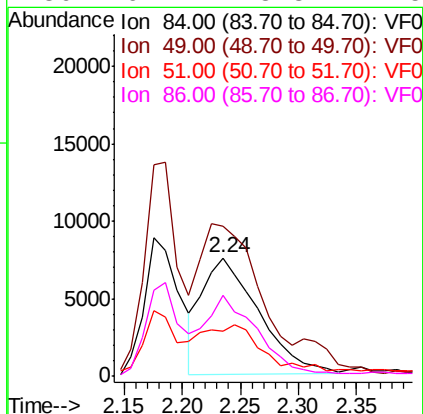
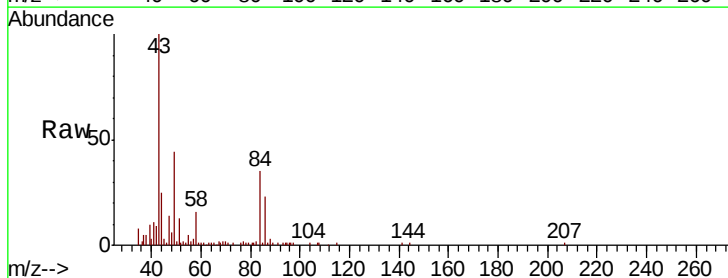
Instrument :
MSVOA_F
ClientSampleId :

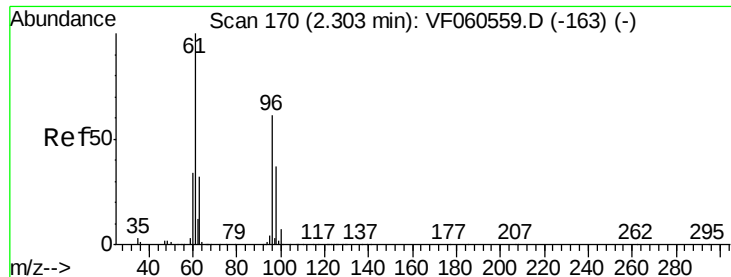
Tot Ion: 73 Resp: 99543
Ion Ratio Lower Upper
73 100
57 19.6 15.4 23.0



#20
Methylene Chloride
Concen: 10.263 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion: 84 Resp: 25407
Ion Ratio Lower Upper
84 100
49 126.3 109.9 164.9
51 38.0 35.8 53.8
86 67.7 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 23.503 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :

MSVOA_F

ClientSampleId :

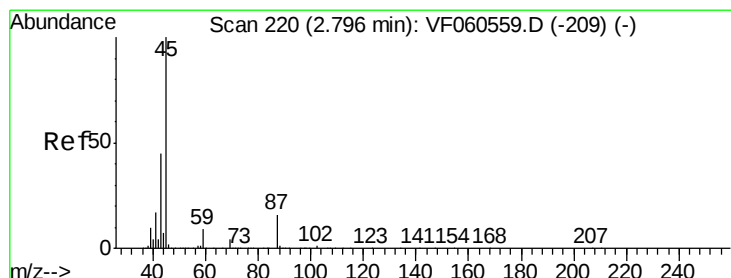
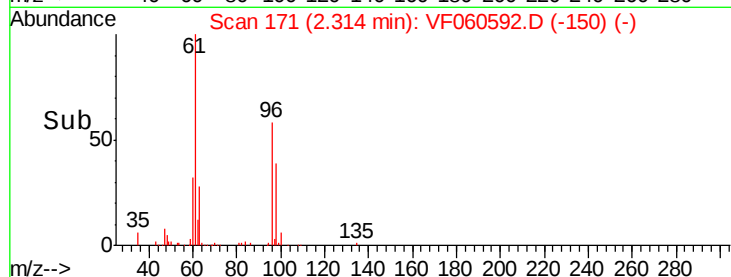
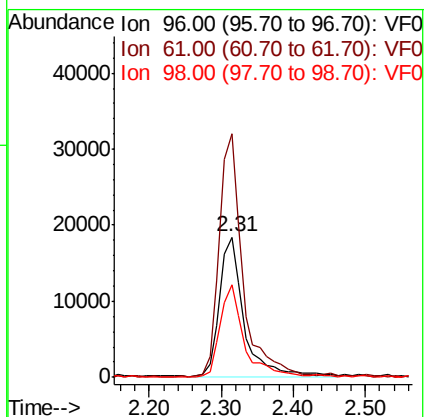
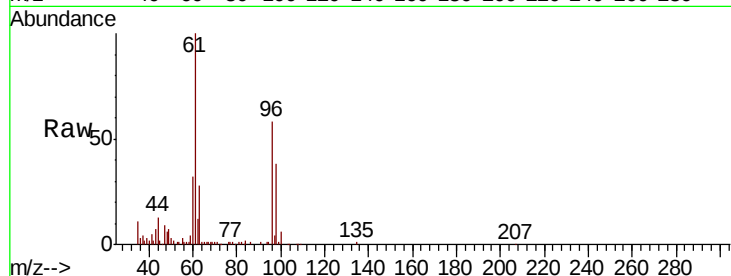
Tot Ion: 96 Resp: 44140

Ion Ratio Lower Upper

96 100

61 173.4 131.3 196.9

98 66.3 48.6 73.0



#22

Diisopropyl ether

Concen: 23.675 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Tgt Ion: 45 Resp: 146621

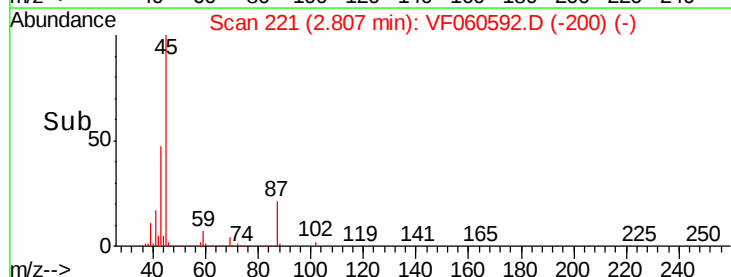
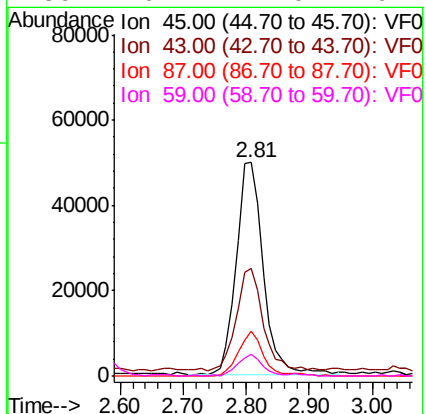
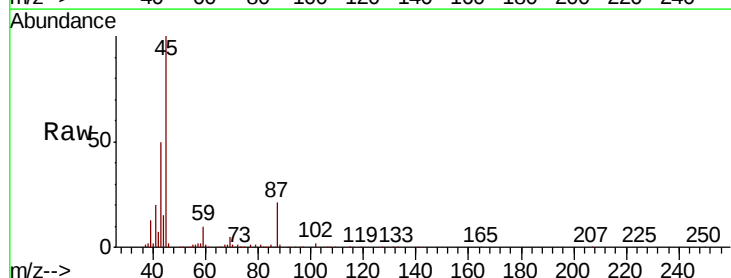
Ion Ratio Lower Upper

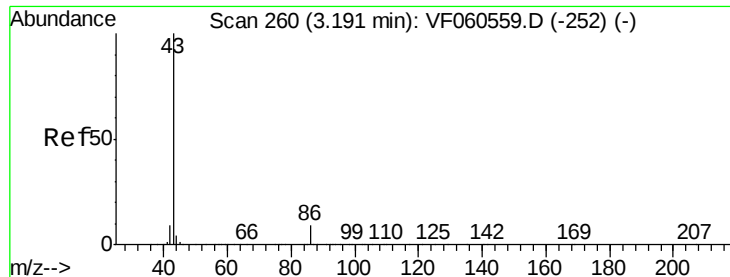
45 100

43 50.1 38.1 57.1

87 21.1 12.7 19.1#

59 10.2 7.0 10.4





#23

Vinyl Acetate

Concen: 98.849 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :

MSVOA_F

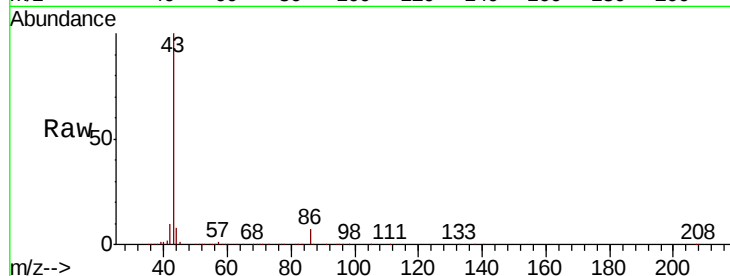
ClientSampleId :

Tot Ion: 43 Resp: 367812

Ion Ratio Lower Upper

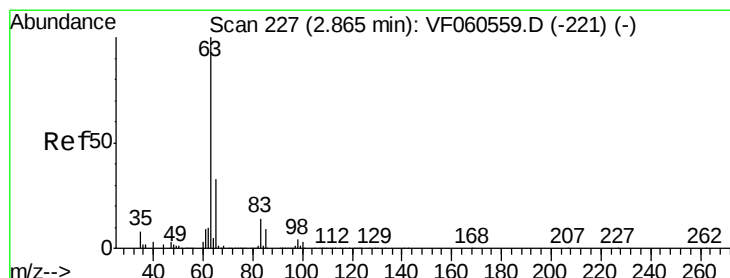
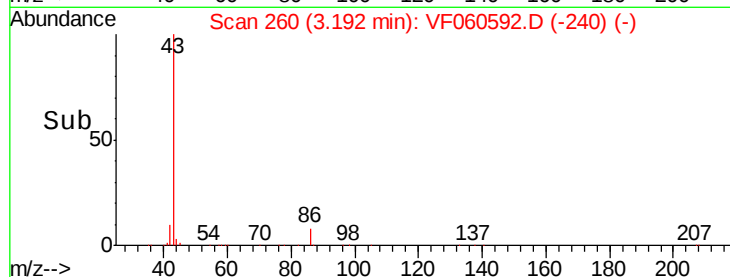
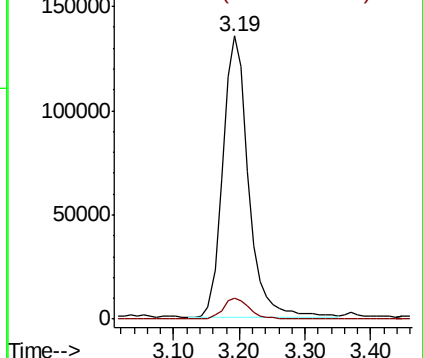
43 100

86 7.4 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 24.032 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

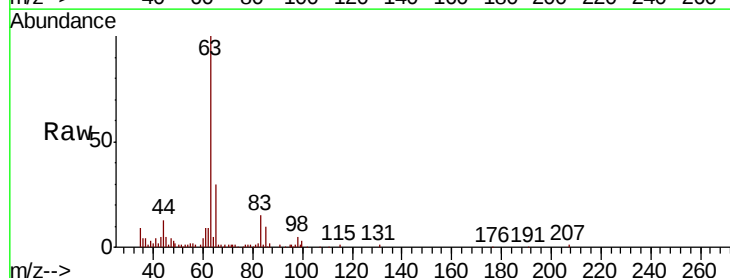
Tgt Ion: 63 Resp: 86134

Ion Ratio Lower Upper

63 100

98 5.3 2.2 6.6

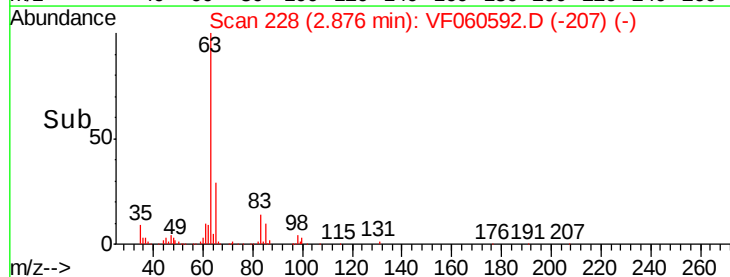
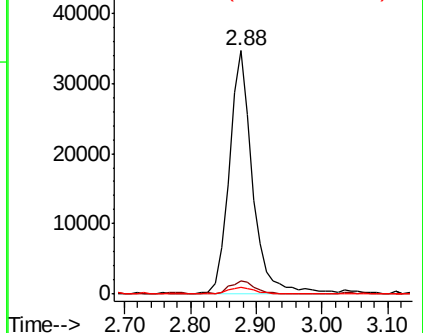
100 2.9 1.4 4.0

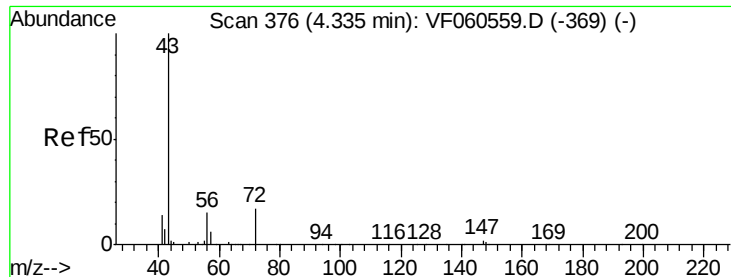


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 90.561 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

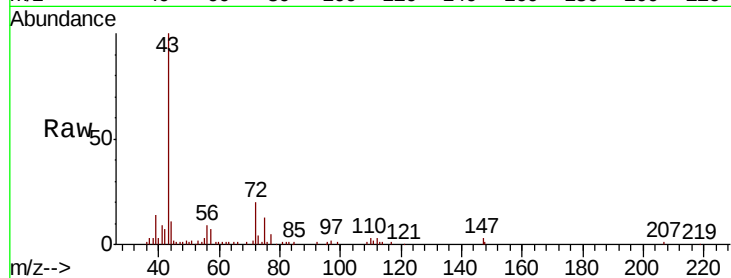
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 122488

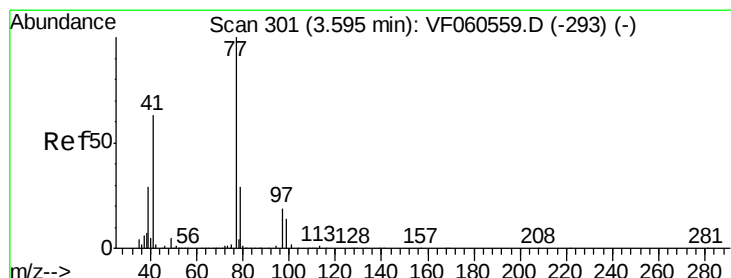
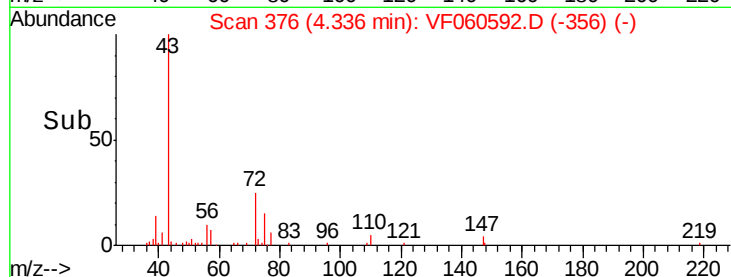
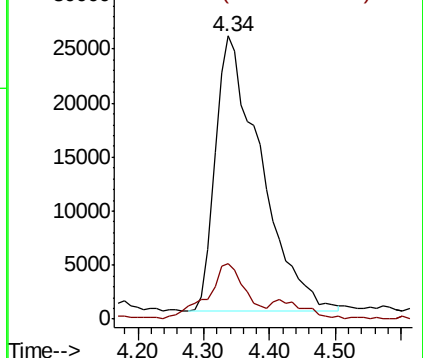
Ion Ratio Lower Upper

43 100

72 19.8 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 21.841 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.00 min

Lab File: VF060592.D

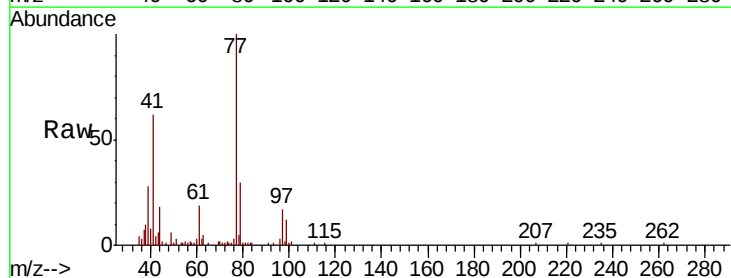
Acq: 6 Nov 2018 3:22

Tgt Ion: 77 Resp: 58574

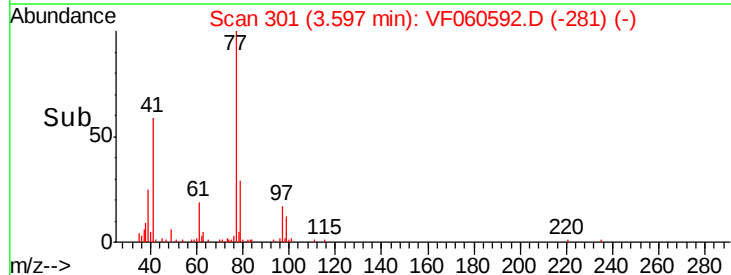
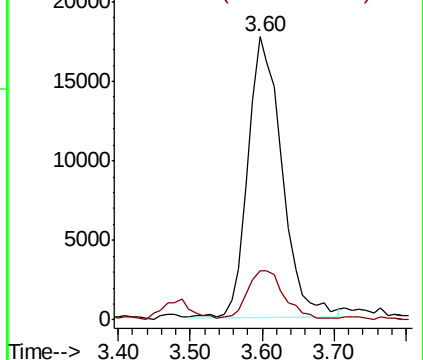
Ion Ratio Lower Upper

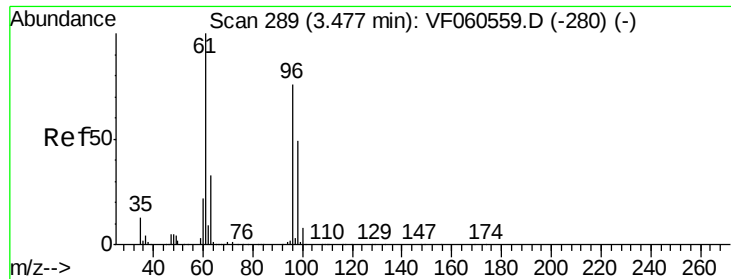
77 100

97 17.4 9.8 29.3



Abundance Ion 77.00 (76.70 to 77.70): VF0
Ion 97.00 (96.70 to 97.70): VF0



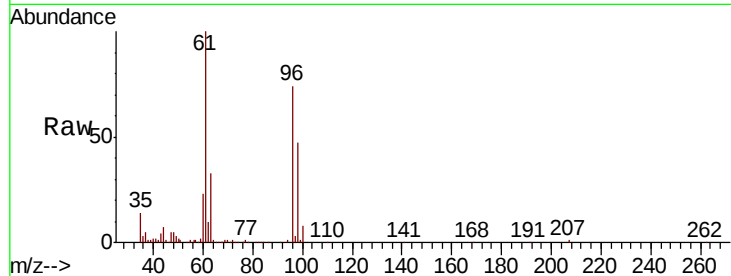


#27

cis-1,2-Dichloroethene
Concen: 22.583 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.9	0.0	263.0
98	63.0	0.0	130.6

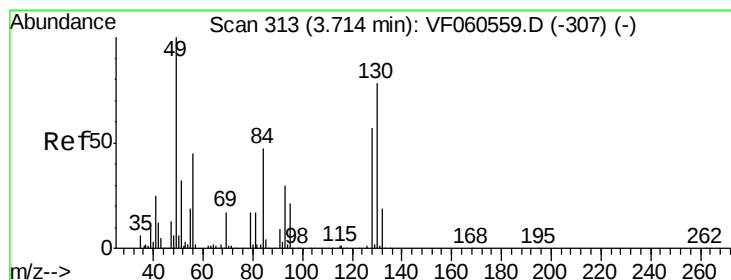
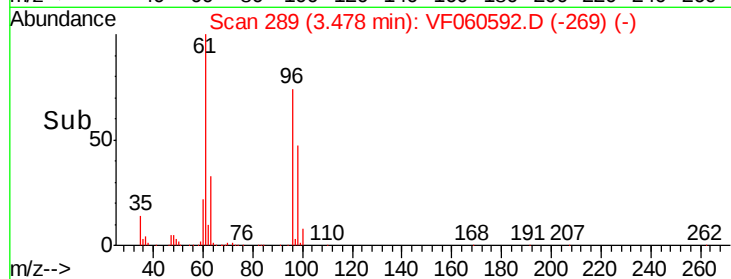
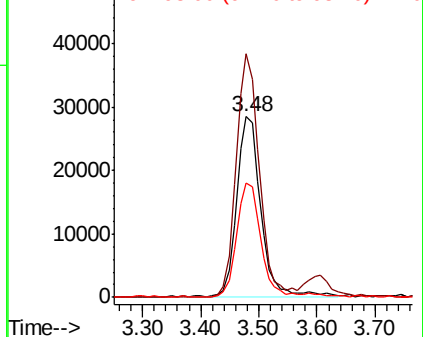


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

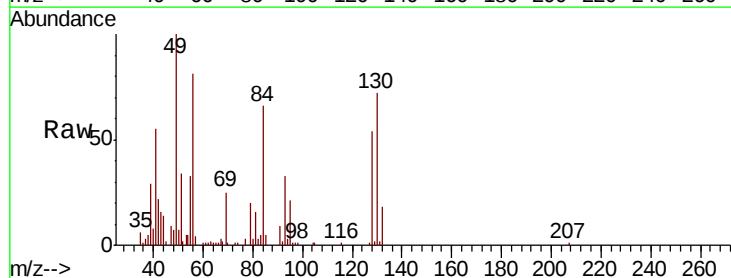
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
Concen: 22.861 ug/l
RT: 3.72 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	72.2	61.8	92.8

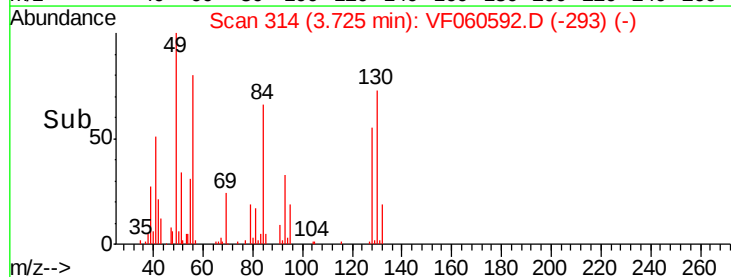
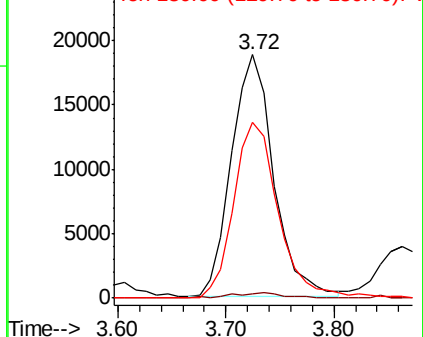


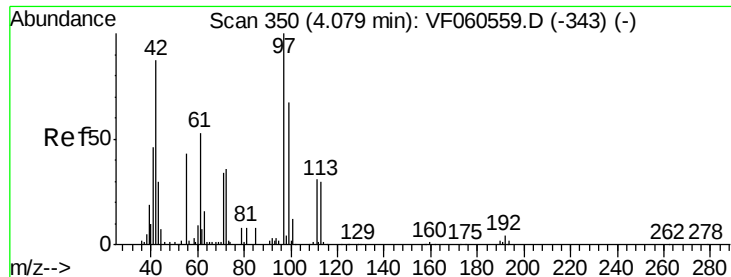
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 94.900 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :
MSVOA_F
ClientSampleId :

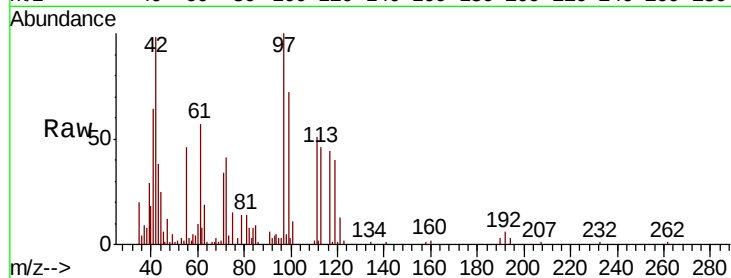
Tot Ion: 42 Resp: 44173

Ion Ratio Lower Upper

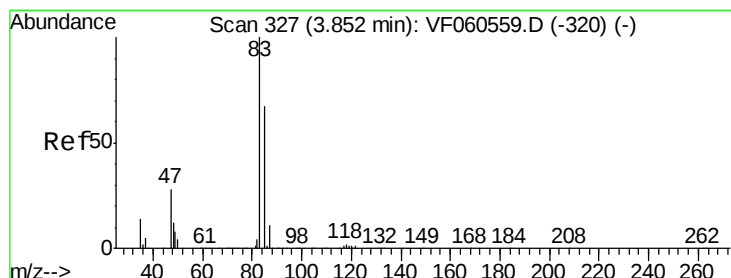
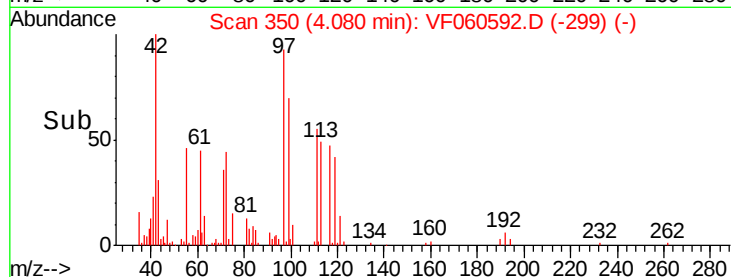
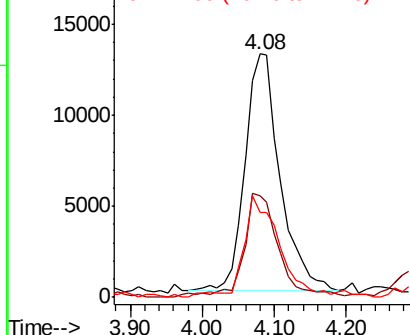
42 100

72 43.7 31.4 47.0

71 38.8 31.8 47.6



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: 23.659 ug/l

RT: 3.86 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF060592.D

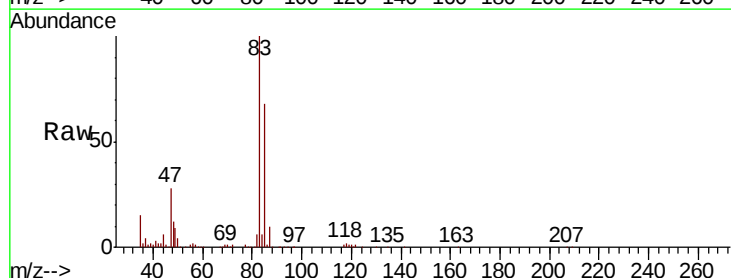
Acq: 6 Nov 2018 3:22

Tgt Ion: 83 Resp: 134158

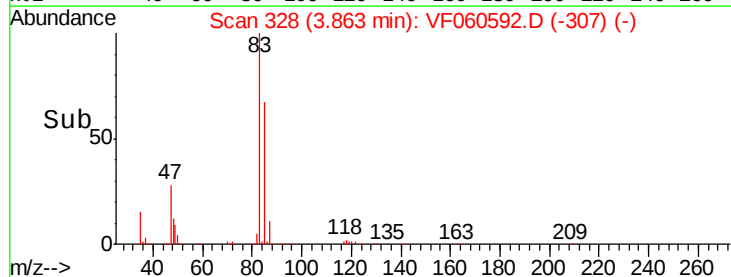
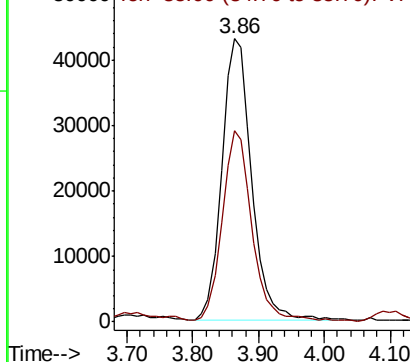
Ion Ratio Lower Upper

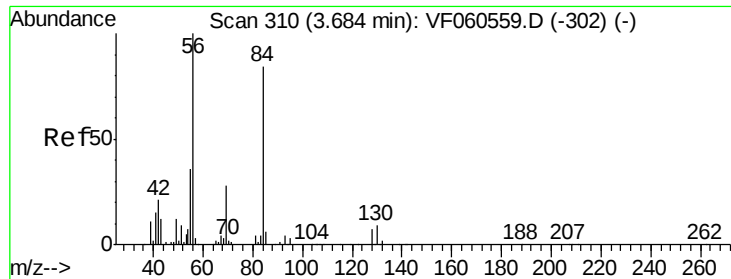
83 100

85 67.6 53.7 80.5



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

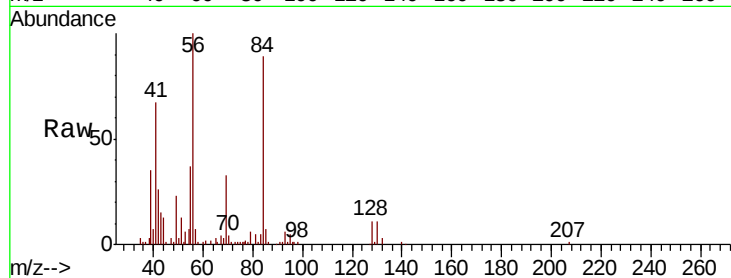




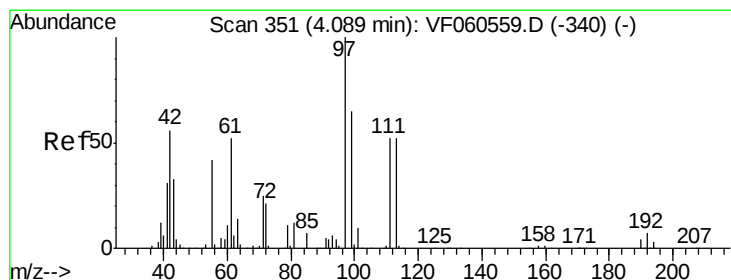
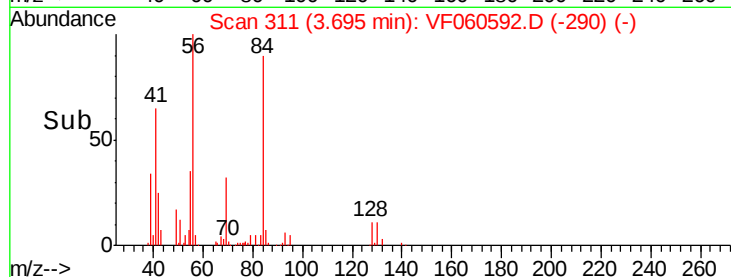
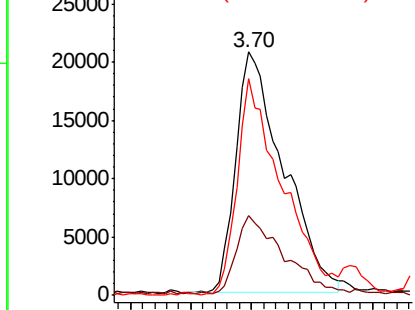
#31
Cyclohexane
Concen: 22.972 ug/l
RT: 3.70 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 113618
Ion Ratio Lower Upper
56 100
69 32.8 23.0 34.4
84 88.8 67.1 100.7

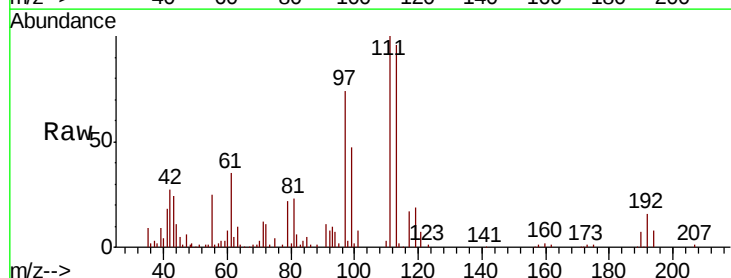


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

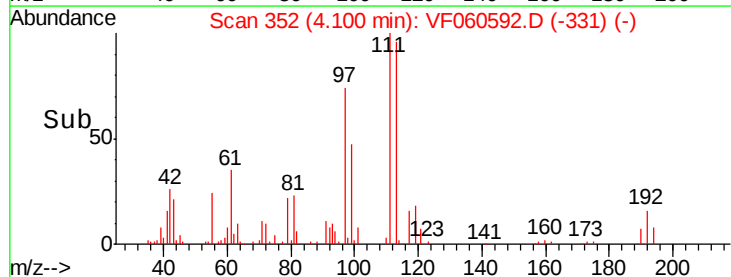
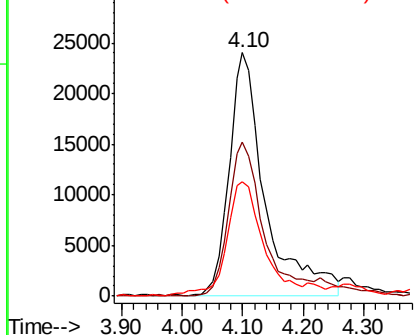


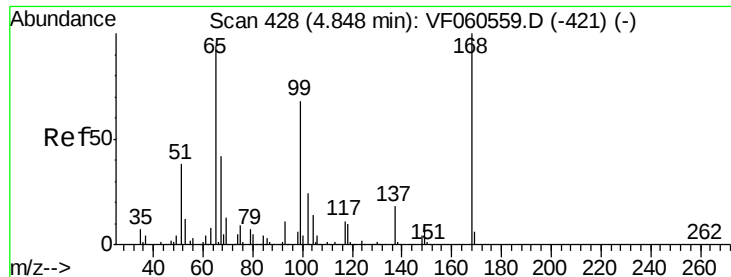
#32
1,1,1-Trichloroethane
Concen: 25.281 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion: 97 Resp: 100122
Ion Ratio Lower Upper
97 100
99 63.2 52.4 78.6
61 47.2 41.5 62.3



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

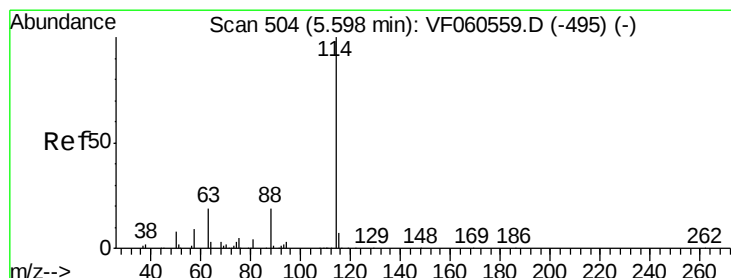
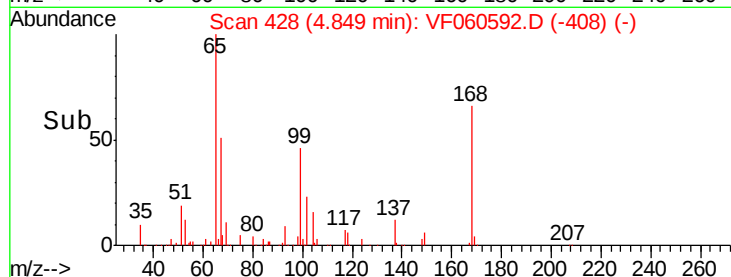
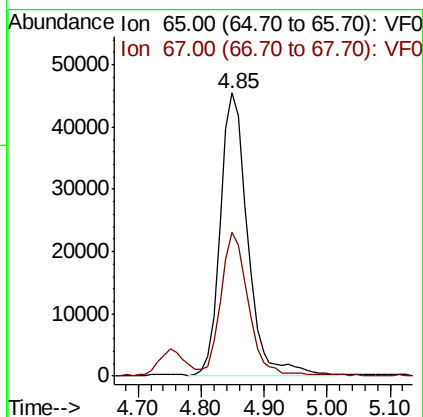
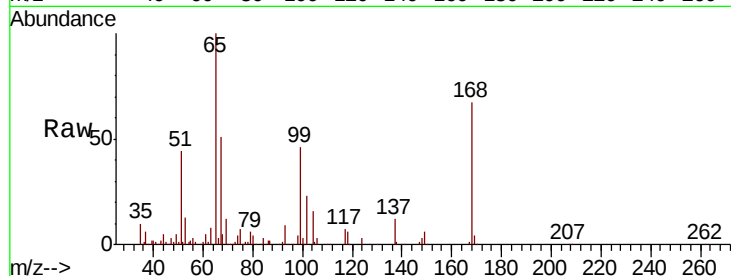




#33
 1,2-Dichloroethane-d4
 Concen: 54.955 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: VF060592.D
 Acq: 6 Nov 2018 3:22

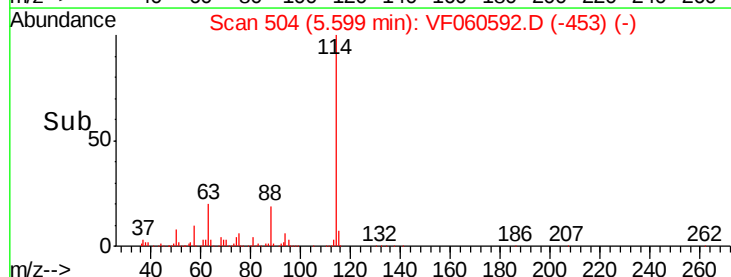
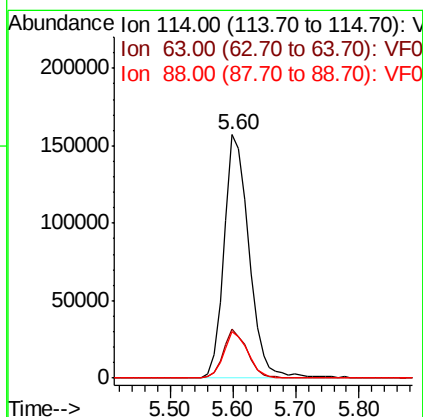
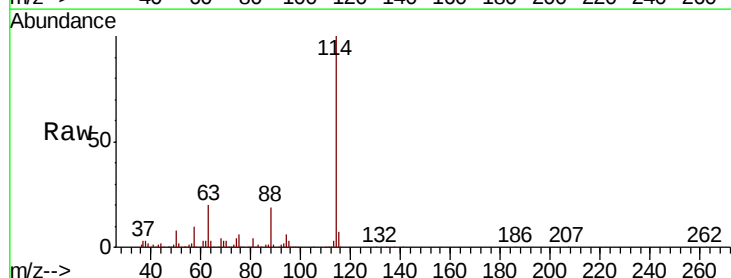
Instrument :
 MSVOA_F
 ClientSampled :

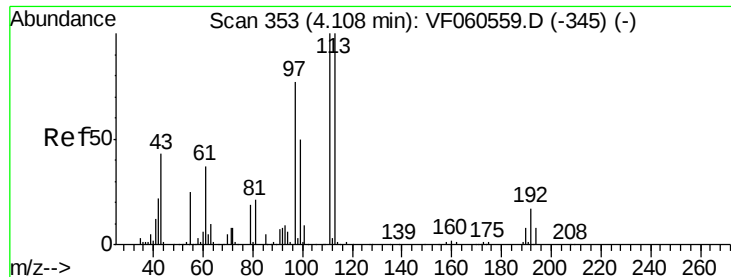
Tot Ion: 65 Resp: 136821
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VF060592.D
 Acq: 6 Nov 2018 3:22

Tgt Ion: 114 Resp: 431924
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 19.1 0.0 38.2

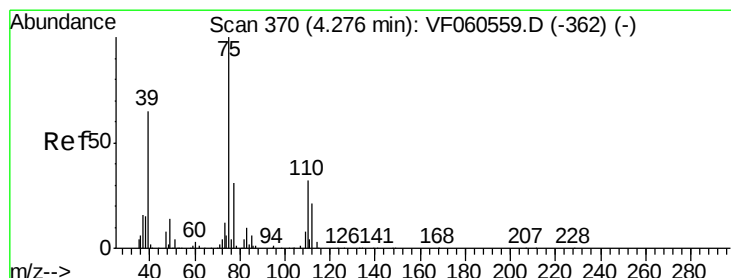
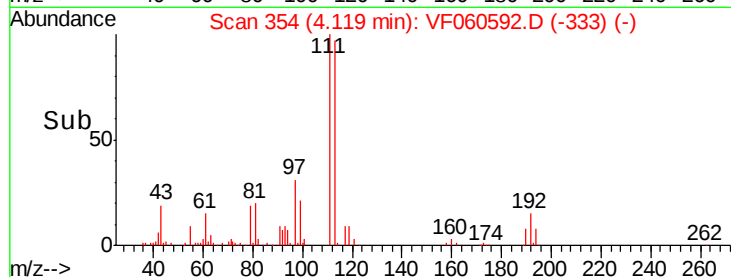
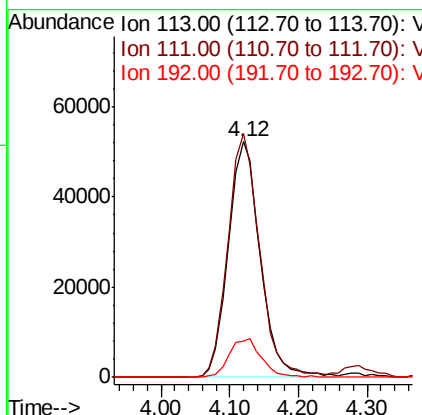
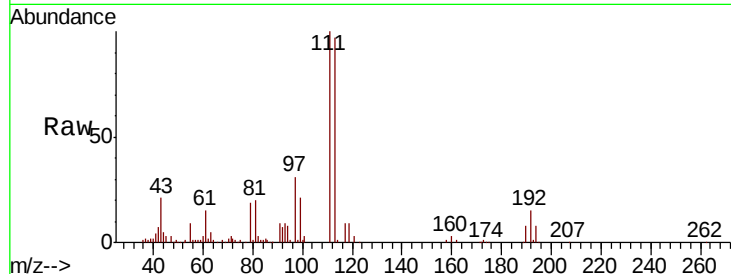




#35
 Dibromofluoromethane
 Concen: 50.484 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VF060592.D
 Acq: 6 Nov 2018 3:22

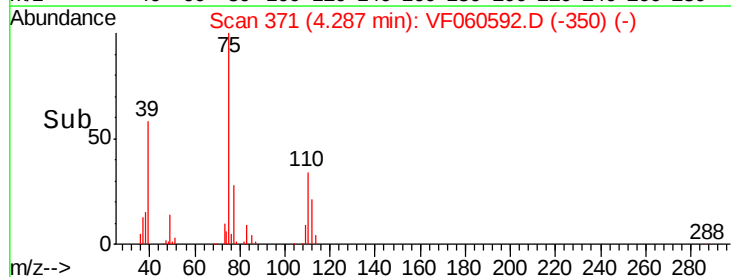
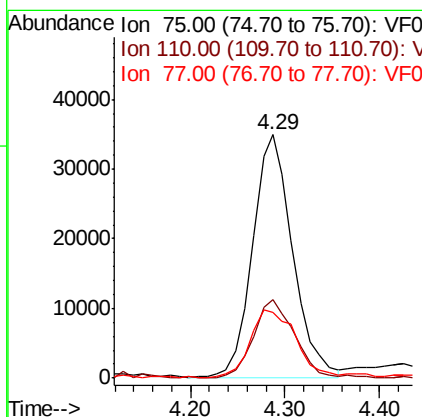
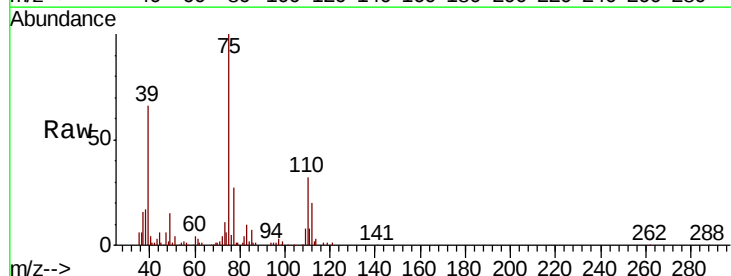
Instrument :
 MSVOA_F
 ClientSampleId :

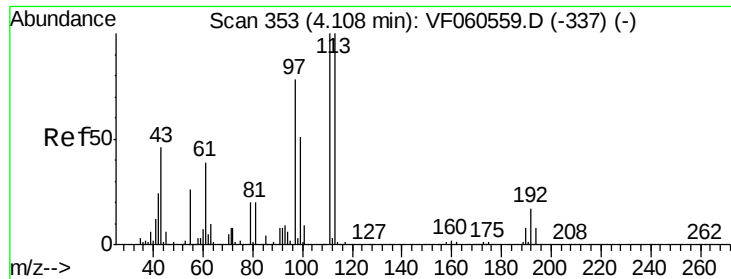
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	79.9	119.9
192	15.7	13.3	19.9



#36
 1,1-Dichloropropene
 Concen: 21.719 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VF060592.D
 Acq: 6 Nov 2018 3:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.2	48.6
77	27.0	25.0	37.6

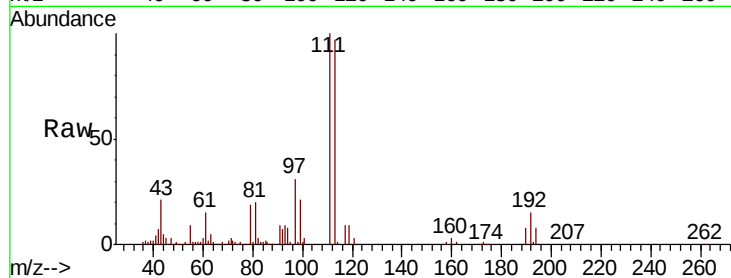




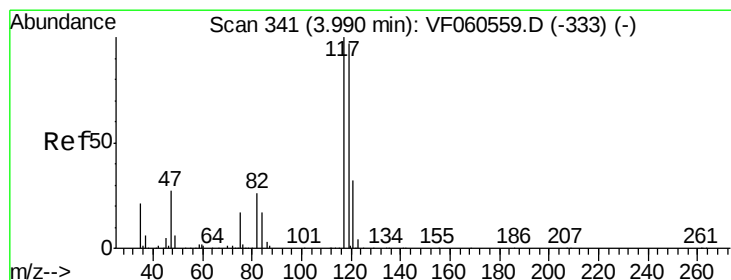
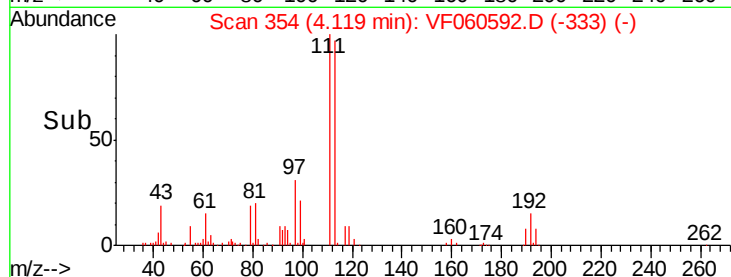
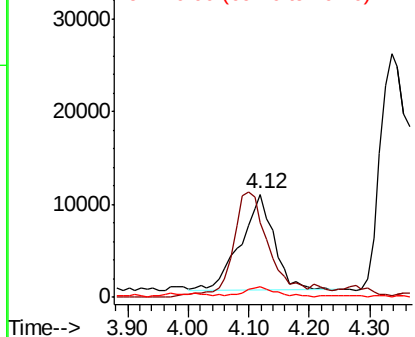
#37
Ethyl Acetate
Concen: 17.284 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	72.0	63.4	95.2	
70	10.3	9.3	13.9	

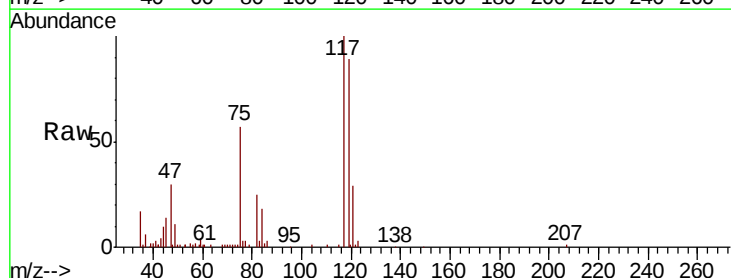


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

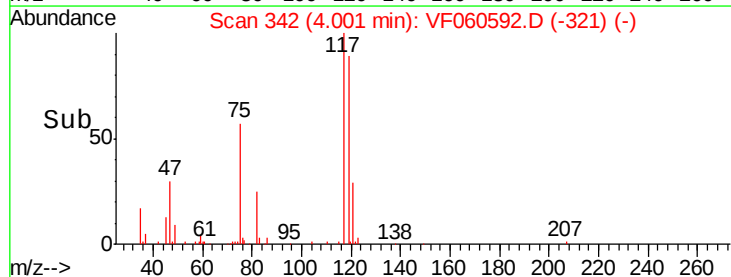
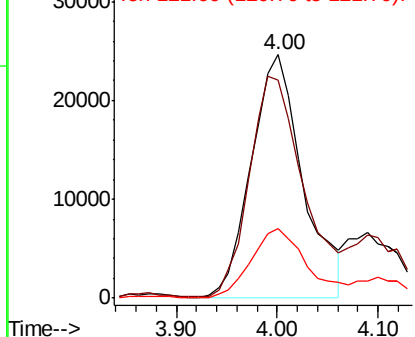


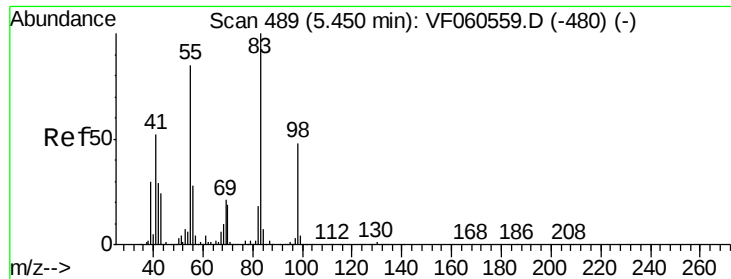
#38
Carbon Tetrachloride
Concen: 21.655 ug/l
RT: 4.00 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	89.3	77.8	116.6	
121	28.5	25.6	38.4	



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

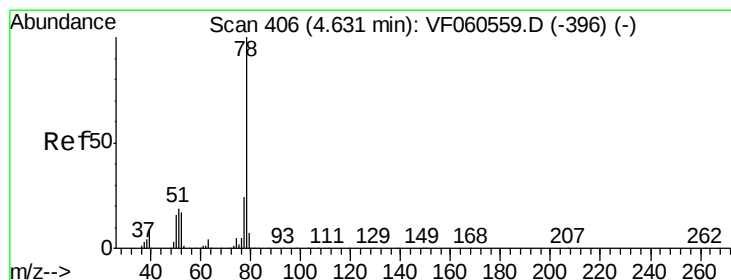
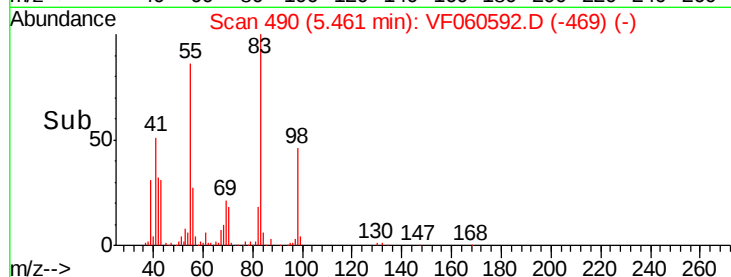
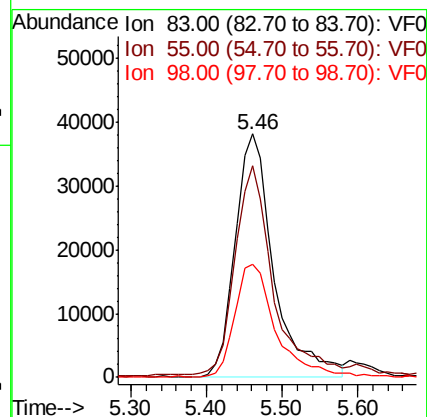
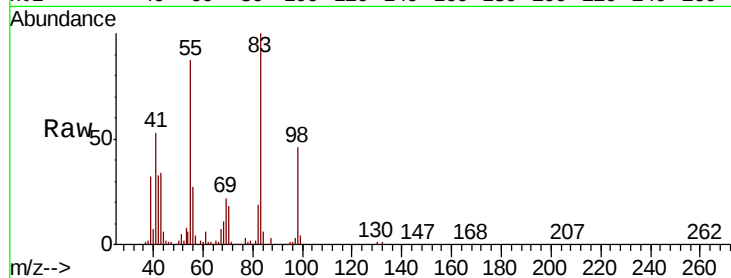




#39
Methvlcvclohexane
Concen: 23.346 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.01 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

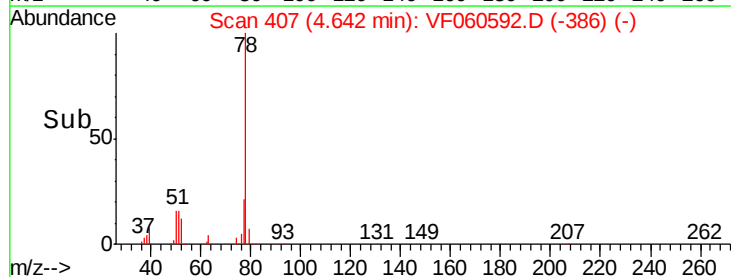
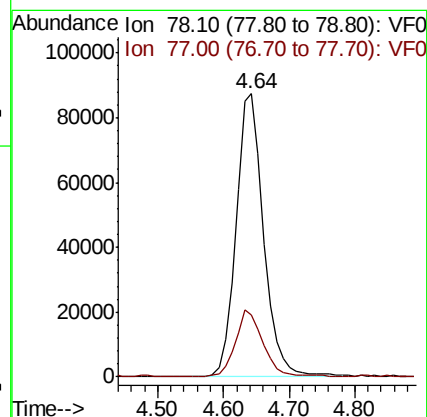
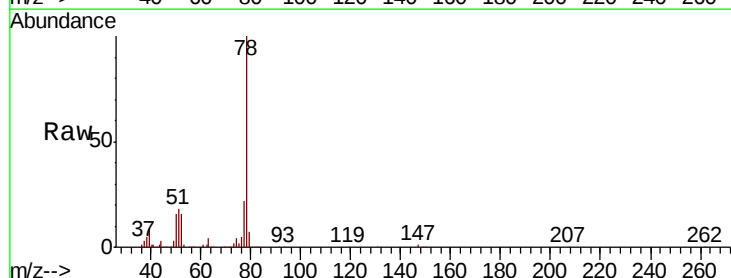
Instrument :
MSVOA_F
ClientSampleId :

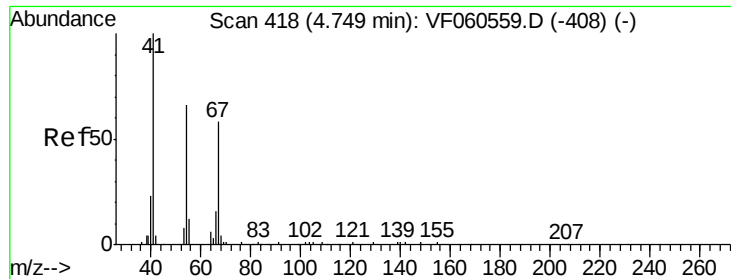
Tot Ion: 83 Resp: 135493
Ion Ratio Lower Upper
83 100
55 86.9 69.1 103.7
98 46.3 38.6 57.8



#40
Benzene
Concen: 22.275 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion: 78 Resp: 257143
Ion Ratio Lower Upper
78 100
77 21.8 19.3 28.9

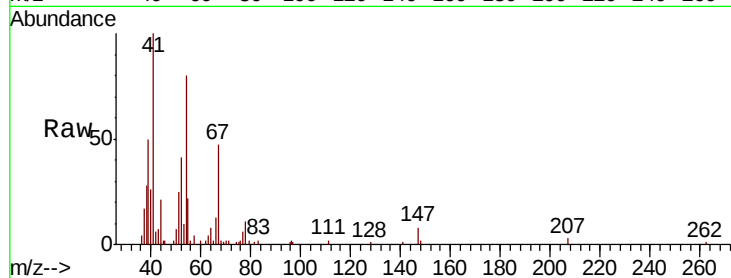




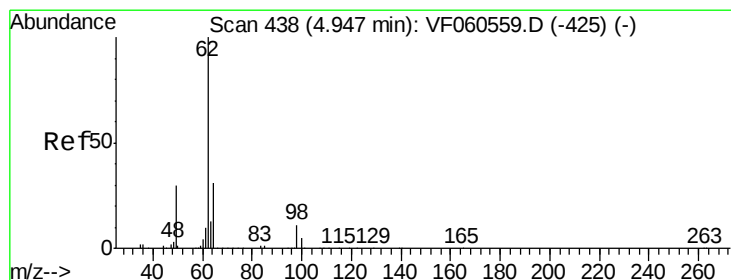
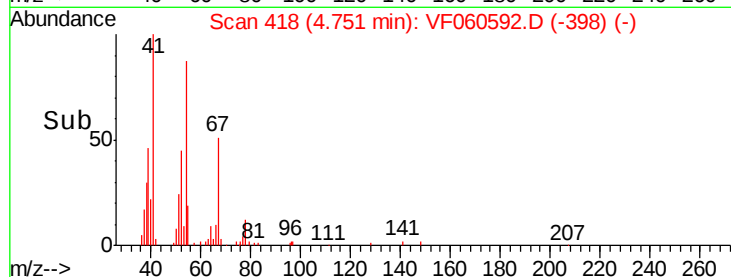
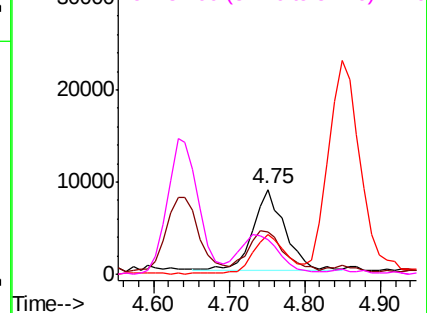
#41
Methacrylonitrile
Concen: 19.826 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	25632
Ion	Ratio	Lower	Upper
41	100		
39	50.4	45.6	68.4
67	47.3	45.3	67.9
52	41.2	29.6	44.4

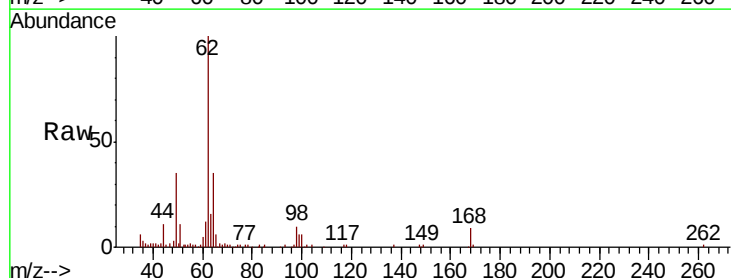


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

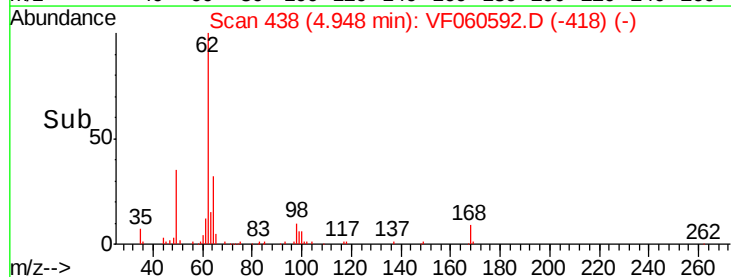
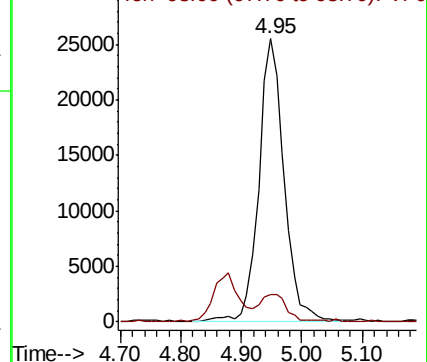


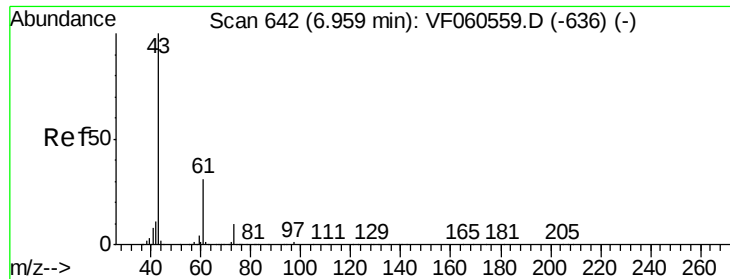
#42
1,2-Dichloroethane
Concen: 22.331 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion:	62	Resp:	73987
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	22.4



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



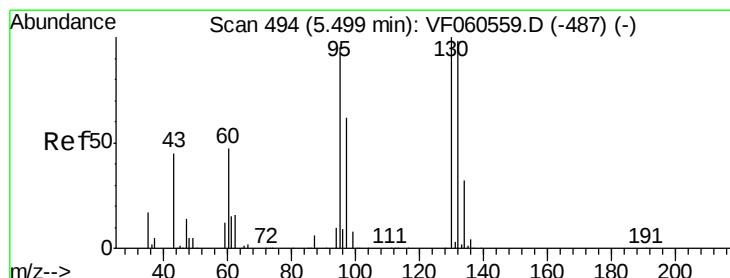
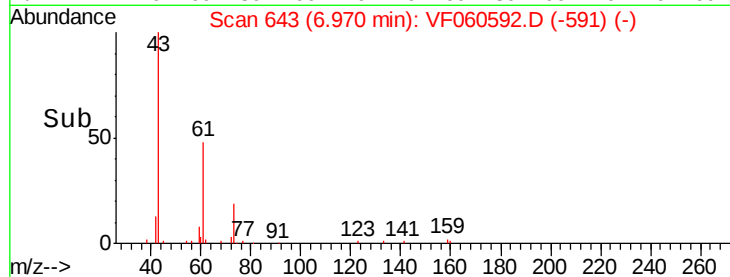
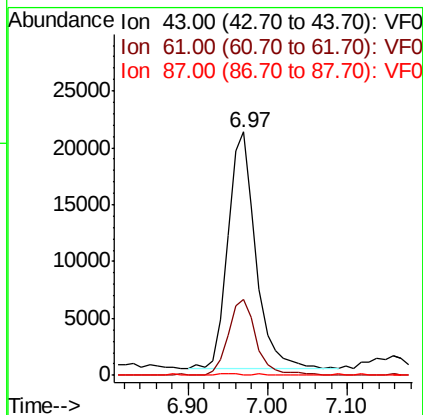
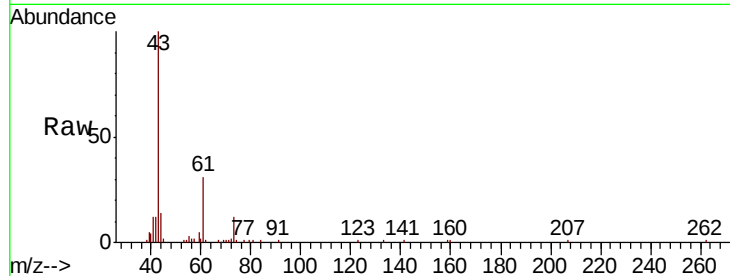


#43

Isopropyl Acetate
 Concen: 17.663 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. 0.01 min
 Lab File: VF060592.D
 Acq: 6 Nov 2018 3:22

Instrument :
 MSVOA_F
 ClientSampled :

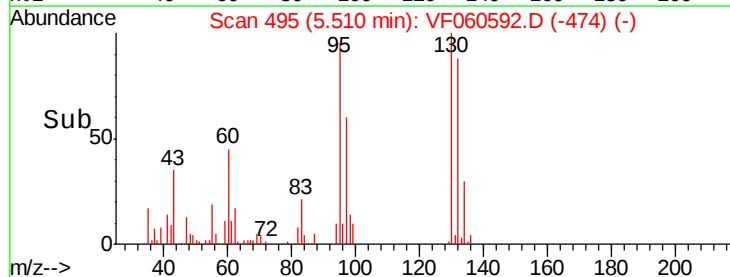
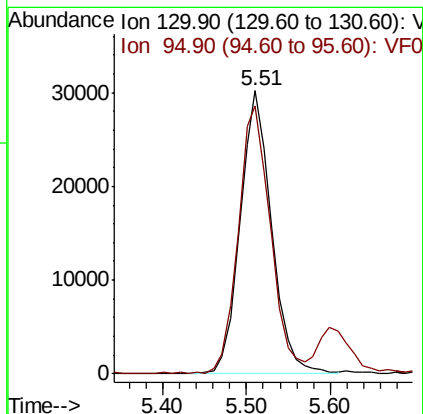
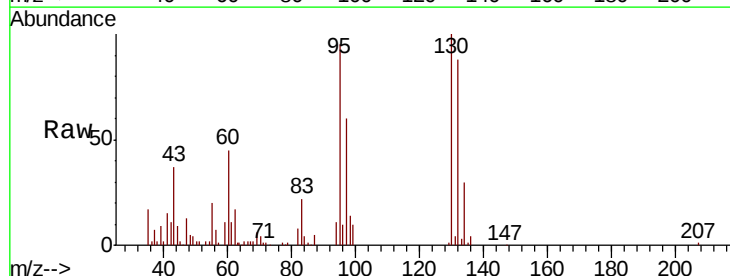
Tot Ion: 43 Resp: 51006
 Ion Ratio Lower Upper
 43 100
 61 31.0 24.2 36.2
 87 0.0 0.2 0.4#

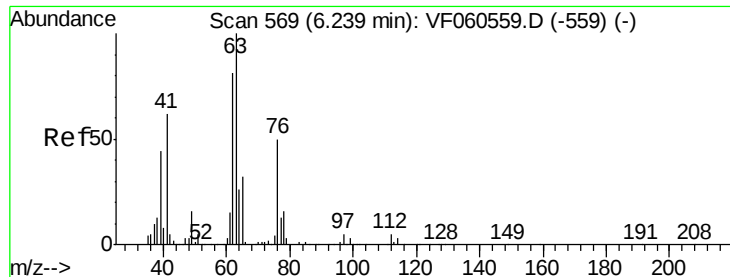


#44

Trichloroethene
 Concen: 22.651 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VF060592.D
 Acq: 6 Nov 2018 3:22

Tgt Ion:130 Resp: 78585
 Ion Ratio Lower Upper
 130 100
 95 94.8 0.0 191.0





#45

1,2-Dichloropropane

Concen: 22.294 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

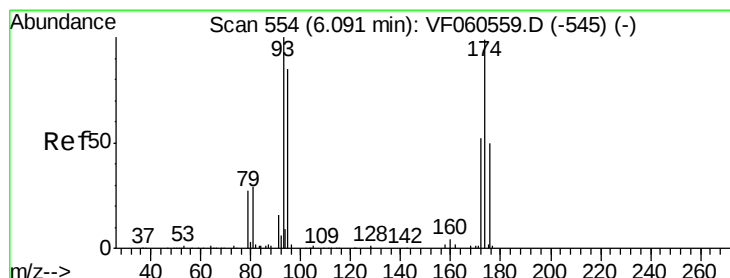
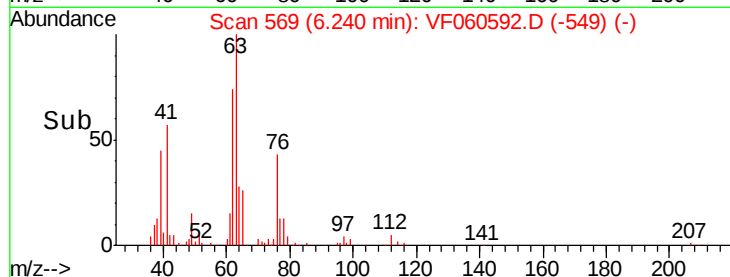
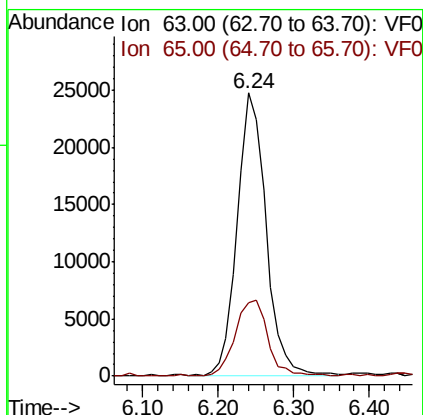
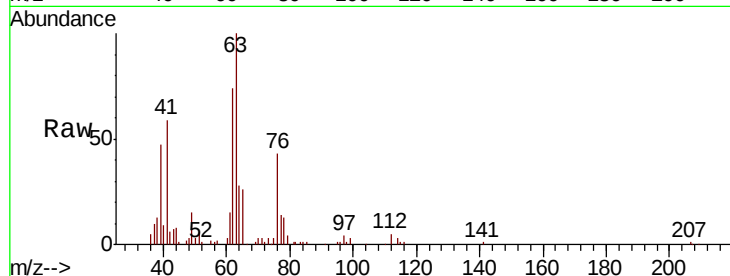
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 65820

Ion Ratio Lower Upper

63 100

65 26.0 25.4 38.0



#46

Dibromomethane

Concen: 21.264 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

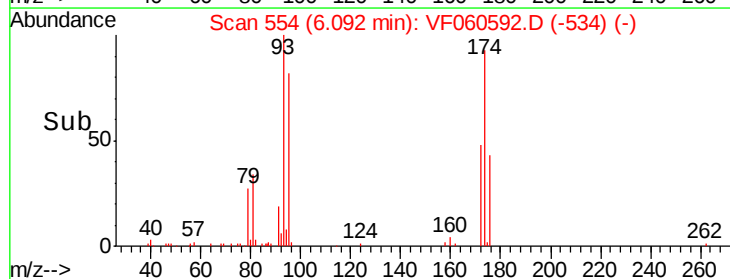
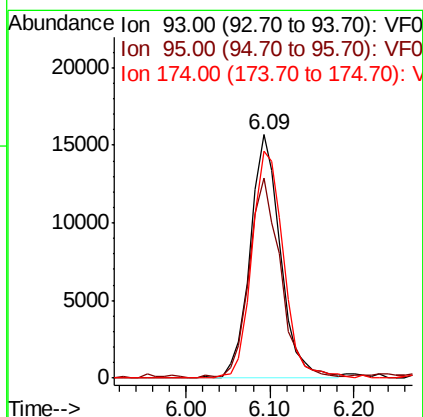
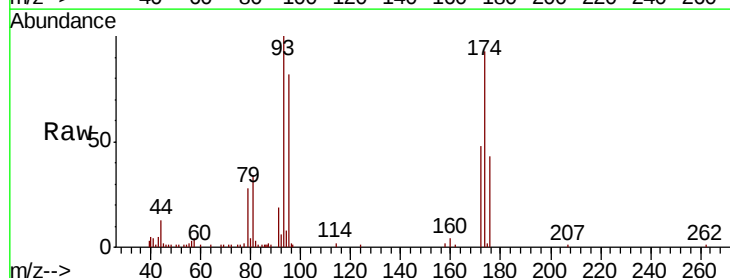
Tgt Ion: 93 Resp: 39829

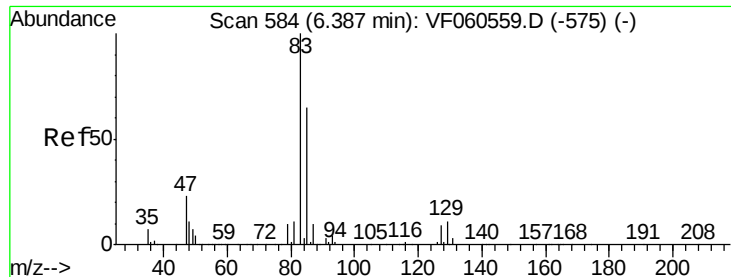
Ion Ratio Lower Upper

93 100

95 82.2 68.6 102.8

174 93.2 79.0 118.4





#47

Bromodichloromethane

Concen: 22.352 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :
MSVOA_F
ClientSampled :

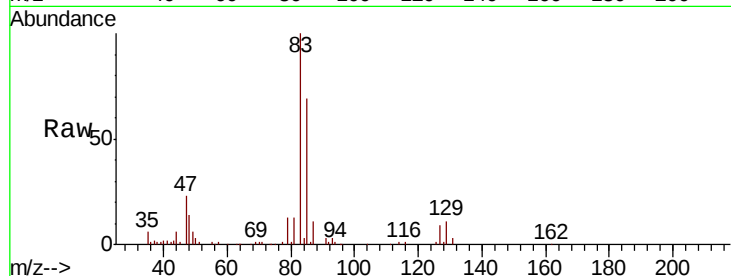
Tot Ion: 83 Resp: 100980

Ion Ratio Lower Upper

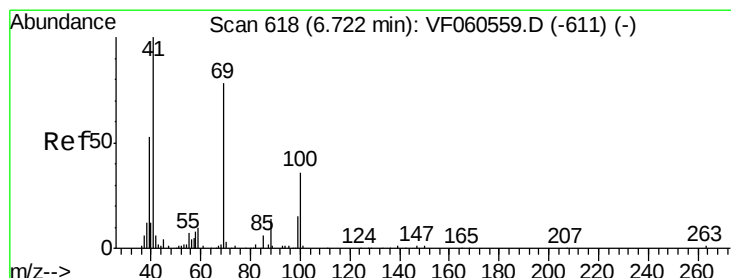
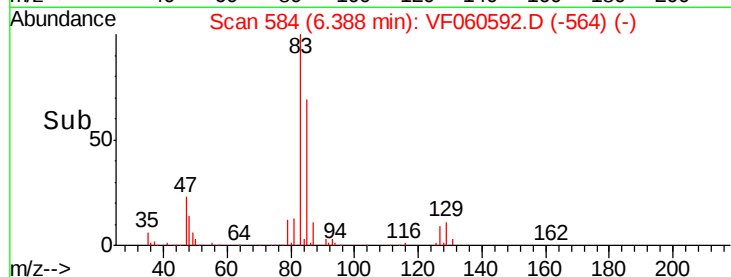
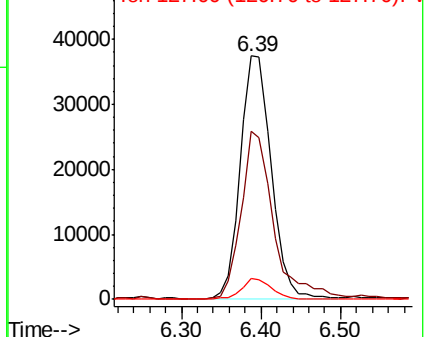
83 100

85 69.2 51.8 77.6

127 8.7 7.0 10.4



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: 18.700 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

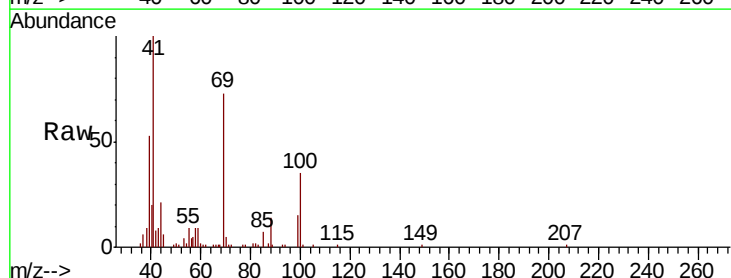
Tgt Ion: 41 Resp: 33939

Ion Ratio Lower Upper

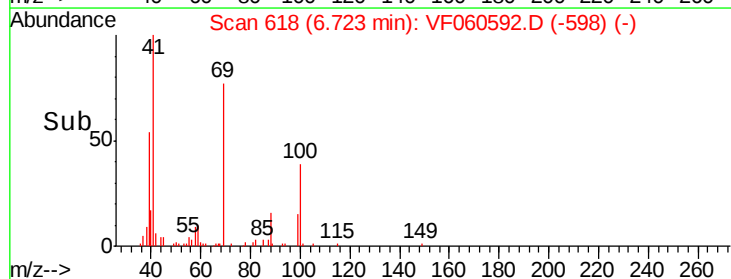
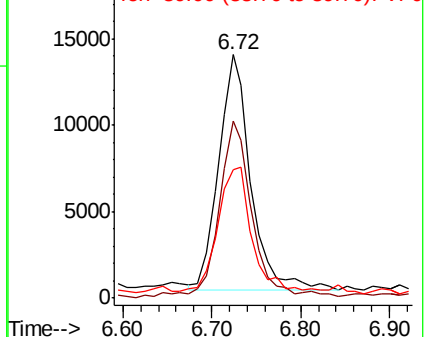
41 100

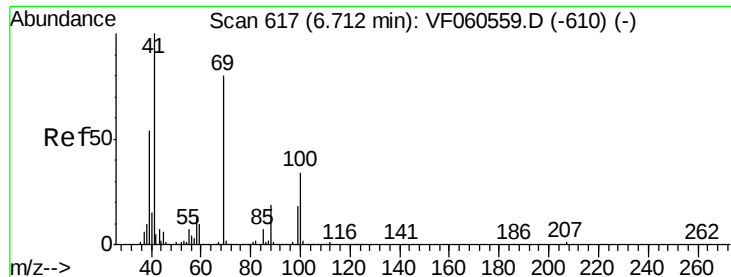
69 72.9 61.1 91.7

39 52.8 43.0 64.6



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

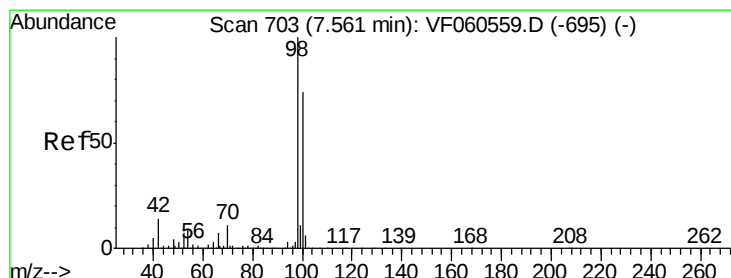
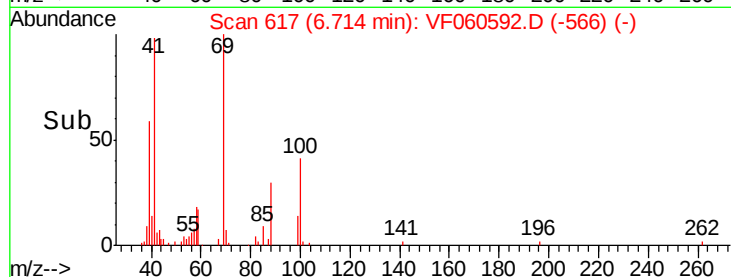
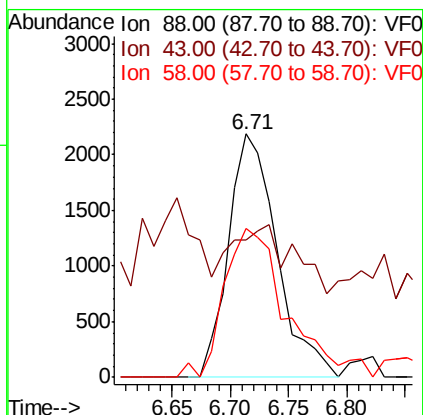
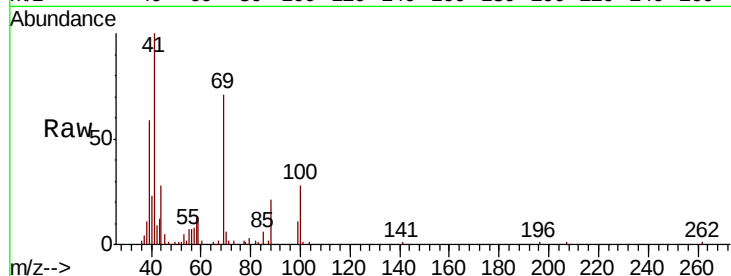




#49
1,4-Dioxane
Concen: 332.040 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

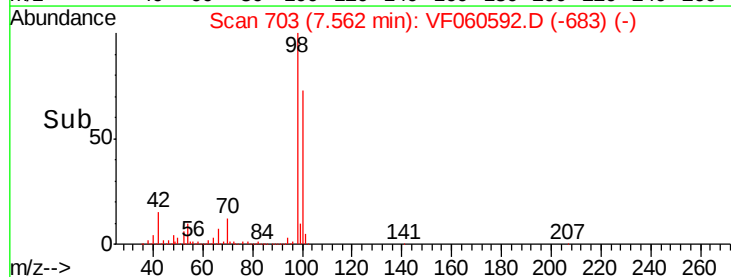
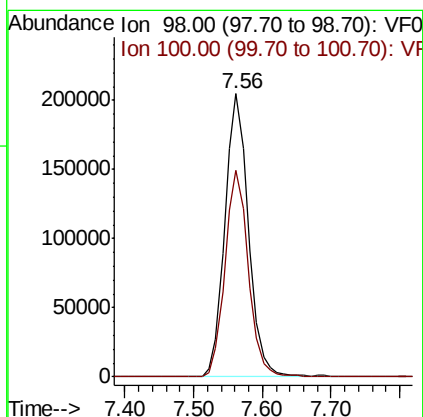
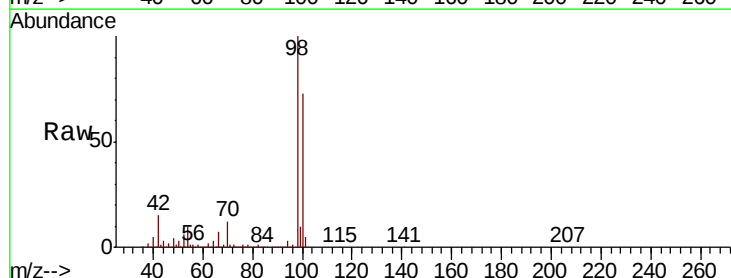
Instrument :
MSVOA_F
ClientSampled :

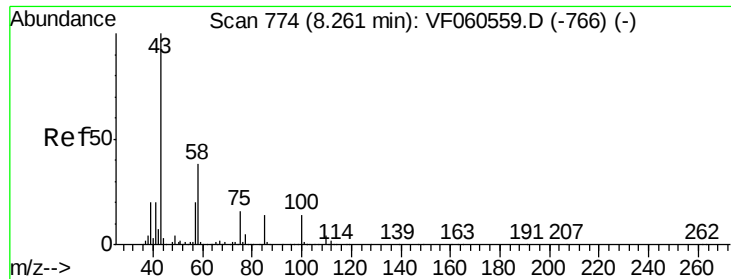
Tot Ion: 88 Resp: 6304
Ion Ratio Lower Upper
88 100
43 56.7 61.2 91.8#
58 61.1 56.9 85.3



#50
Toluene-d8
Concen: 49.259 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion: 98 Resp: 486942
Ion Ratio Lower Upper
98 100
100 73.0 59.4 89.2





#51

4-Methyl-2-Pentanone

Concen: 97.421 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :

MSVOA_F

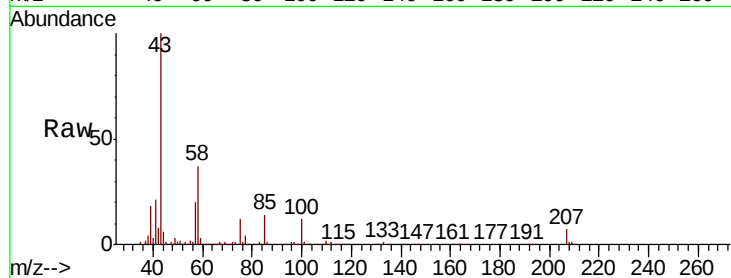
ClientSampled :

Tot Ion: 43 Resp: 189182

Ion Ratio Lower Upper

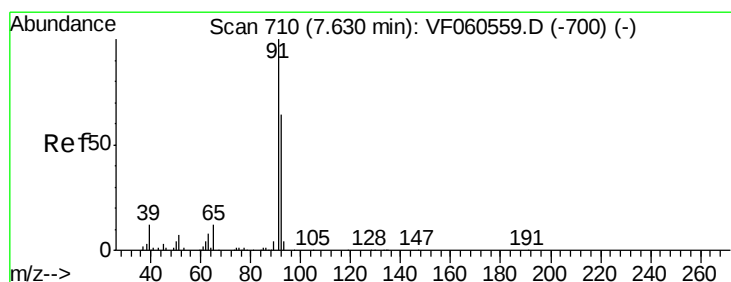
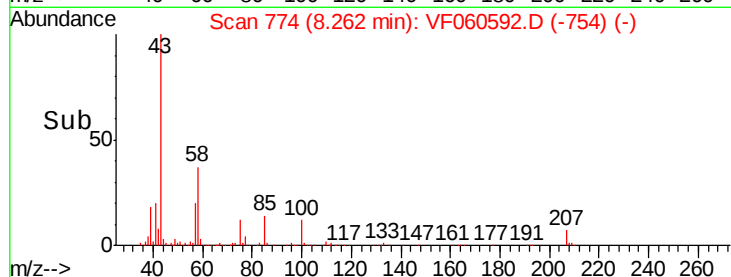
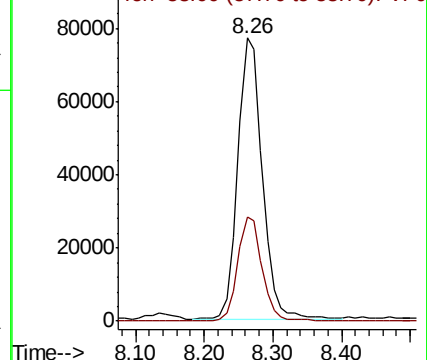
43 100

58 36.7 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.576 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060592.D

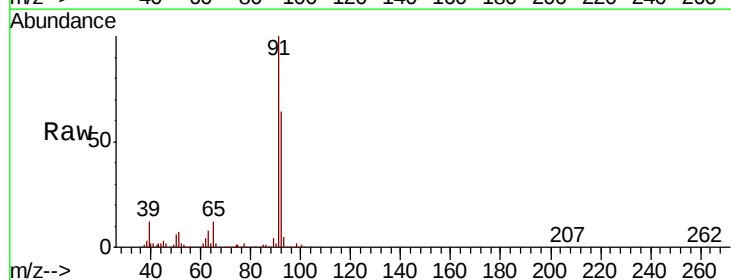
Acq: 6 Nov 2018 3:22

Tgt Ion: 92 Resp: 154727

Ion Ratio Lower Upper

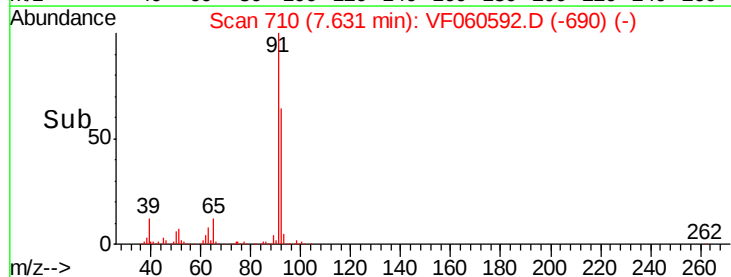
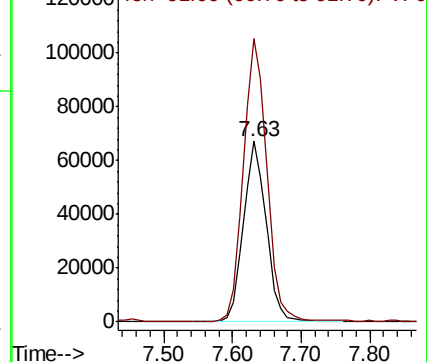
92 100

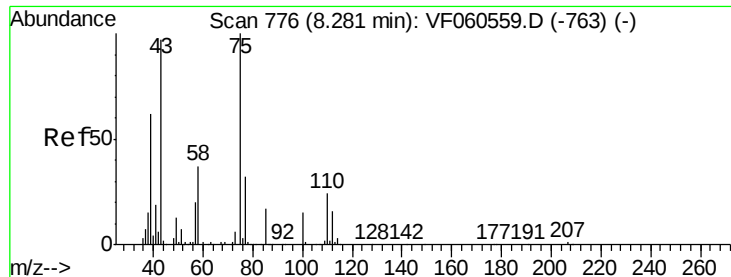
91 156.6 124.5 186.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

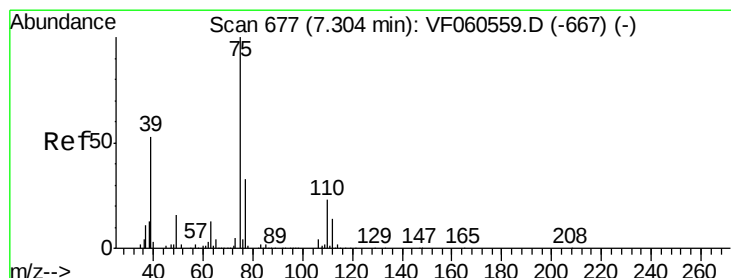
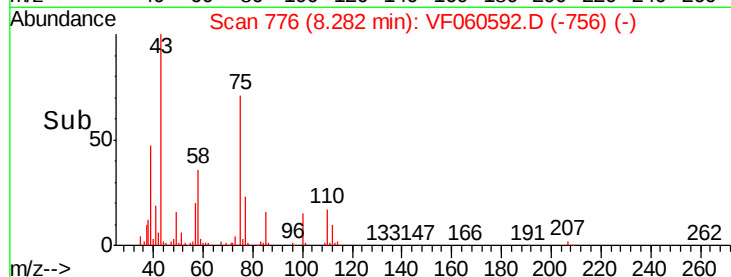
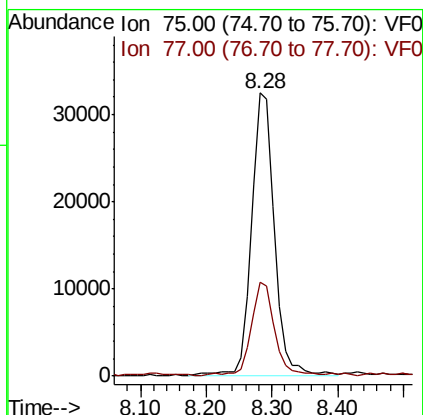
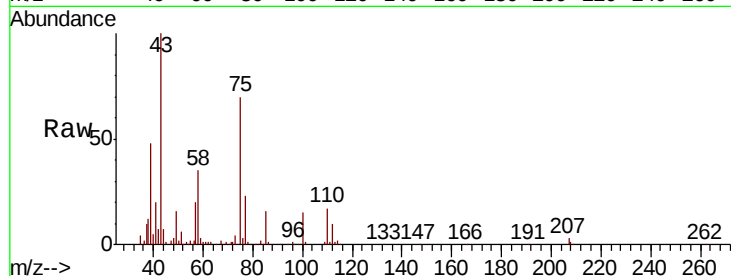




#53
t-1,3-Dichloropropene
Concen: 20.419 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

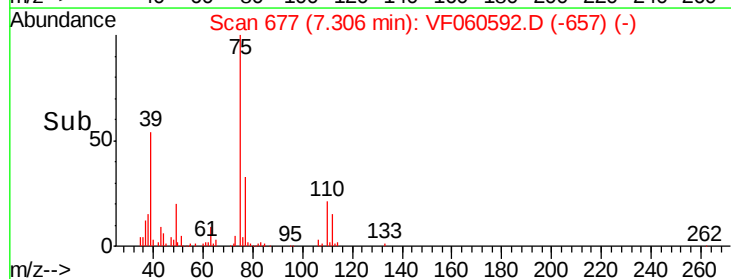
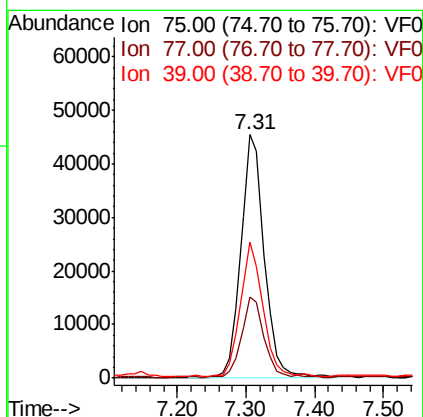
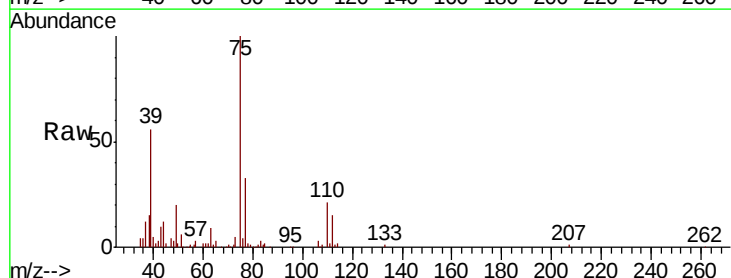
Instrument :
MSVOA_F
ClientSampleId :

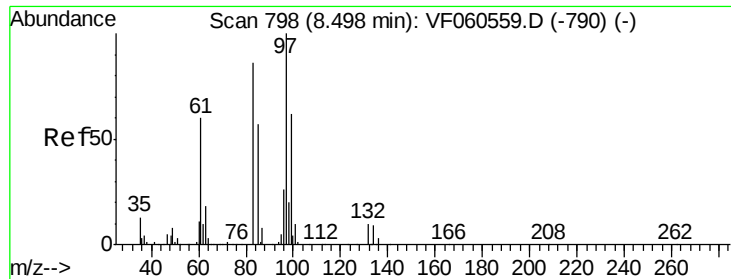
Tot Ion: 75 Resp: 80175
Ion Ratio Lower Upper
75 100
77 33.2 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 21.688 ug/l
RT: 7.31 min Scan# 677
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion: 75 Resp: 107597
Ion Ratio Lower Upper
75 100
77 33.1 26.7 40.1
39 55.7 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 19.652 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 43004

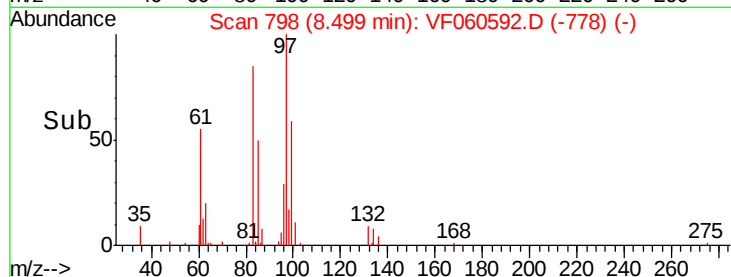
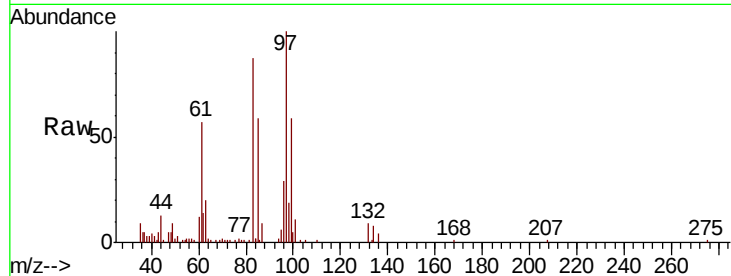
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.0
85	59.3	46.6	69.8
99	59.1	50.0	75.0

97 100

83 86.7 69.4 104.0

85 59.3 46.6 69.8

99 59.1 50.0 75.0

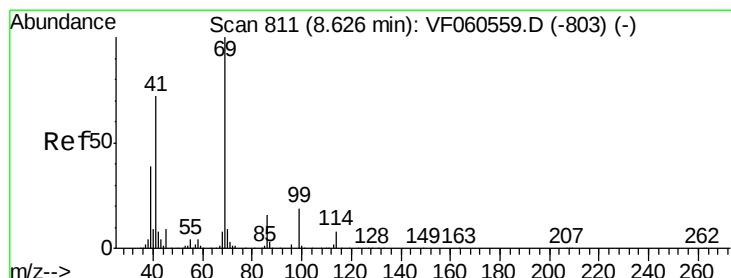
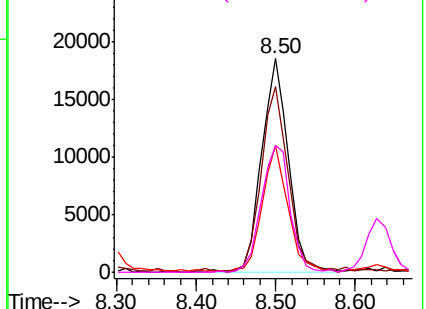


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 17.908 ug/l

RT: 8.63 min Scan# 811

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

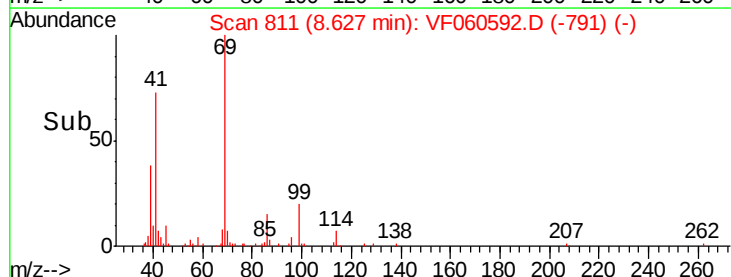
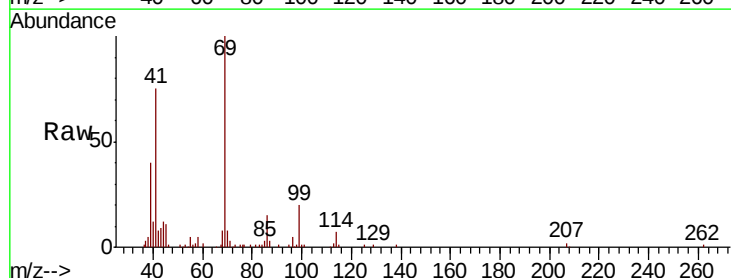
Tgt Ion: 69 Resp: 50417

Ion	Ratio	Lower	Upper
69	100		
41	75.1	59.2	88.8
39	40.0	32.3	48.5

69 100

41 75.1 59.2 88.8

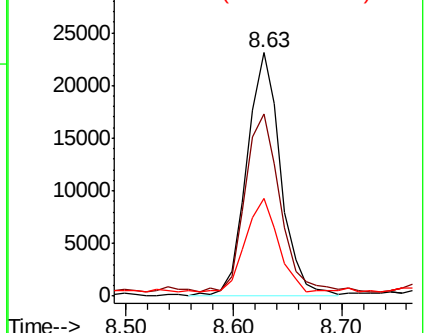
39 40.0 32.3 48.5

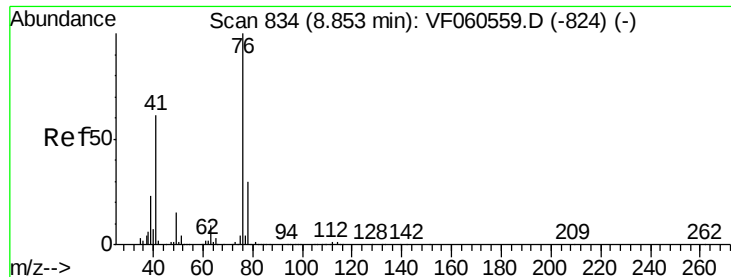


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.001 ug/l

RT: 8.86 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

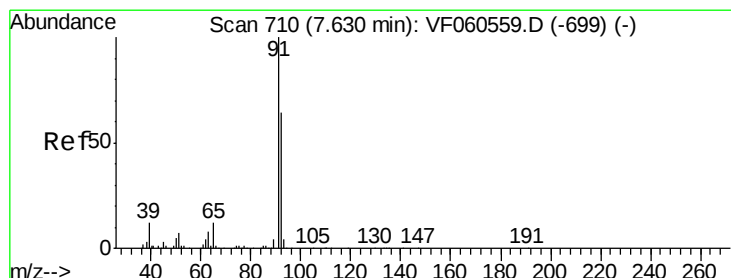
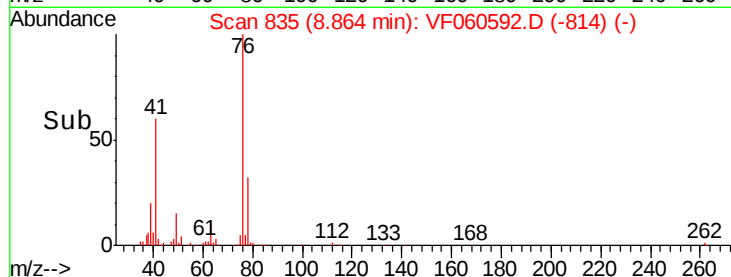
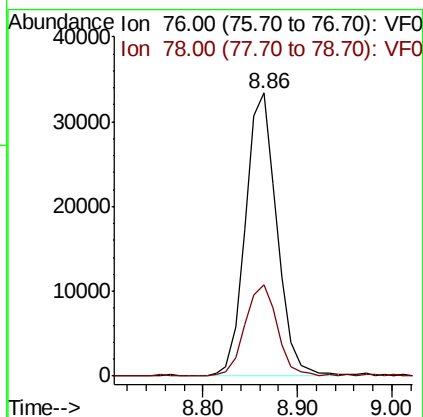
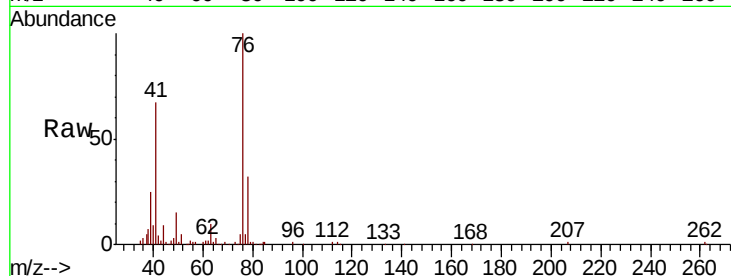
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 76795

Ion Ratio Lower Upper

76 100

78 32.2 24.2 36.4



#58

2-Chloroethyl Vinyl ether

Concen: 101.798 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060592.D

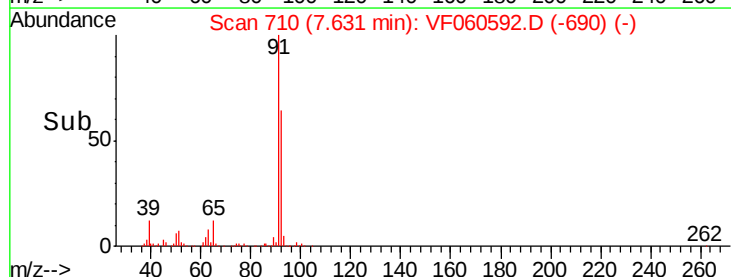
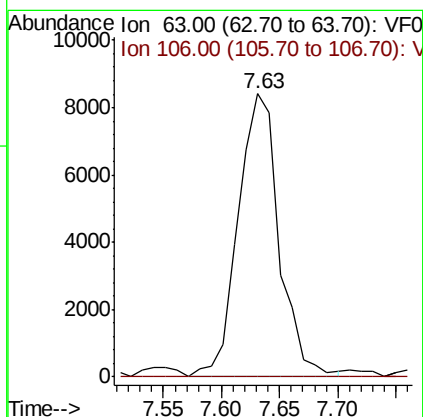
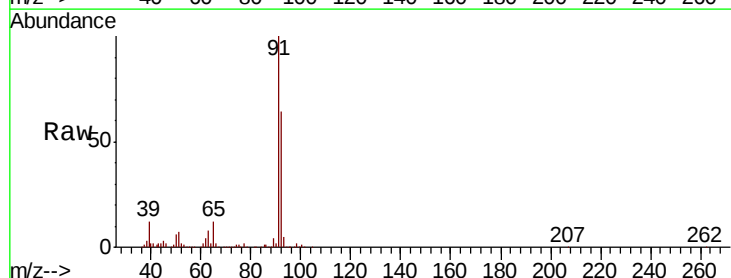
Acq: 6 Nov 2018 3:22

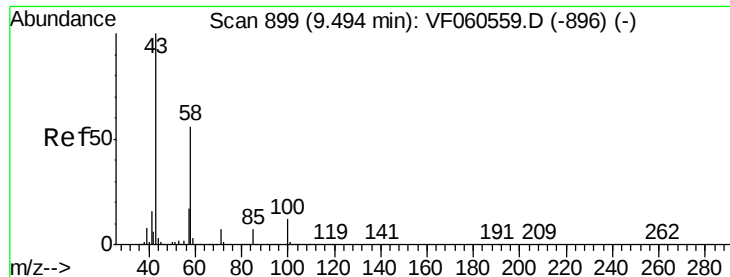
Tgt Ion: 63 Resp: 20560

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

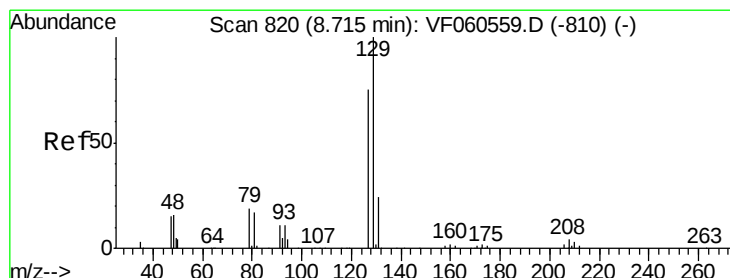
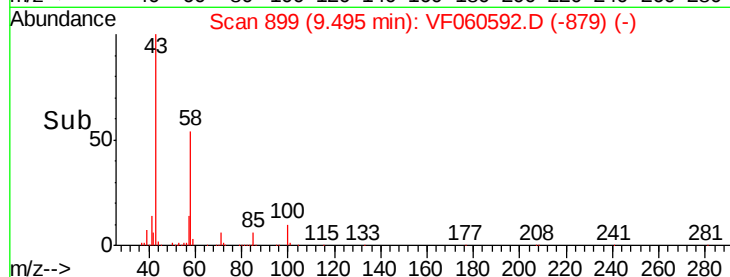
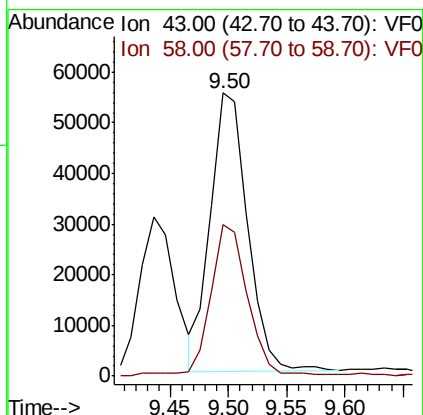
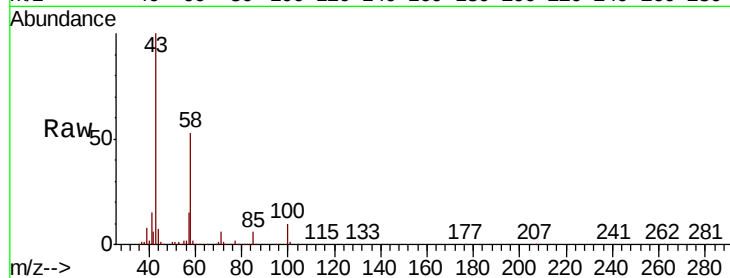




#59
2-Hexanone
Concen: 77.259 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

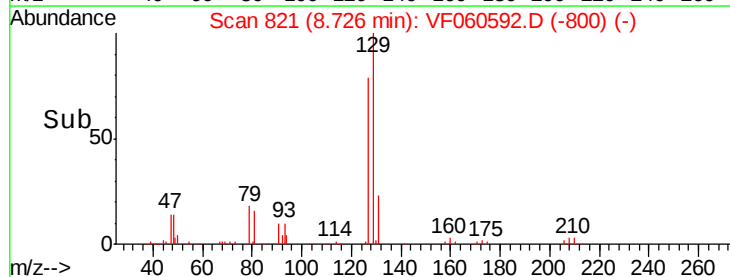
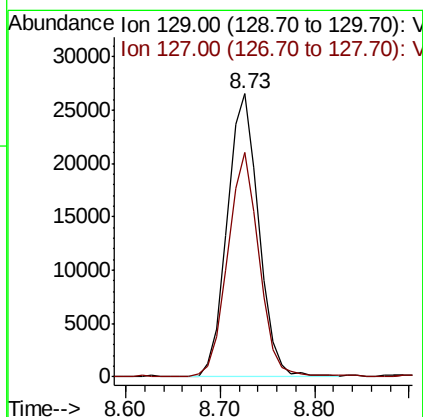
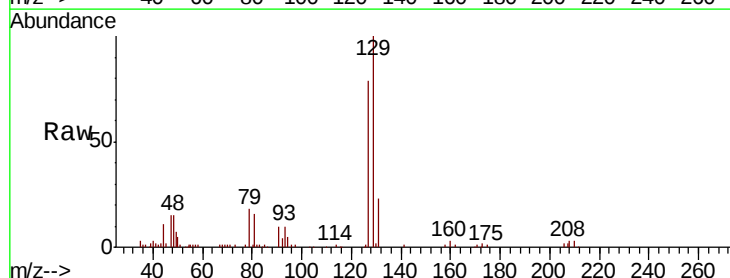
Instrument :
MSVOA_F
ClientSampleId :

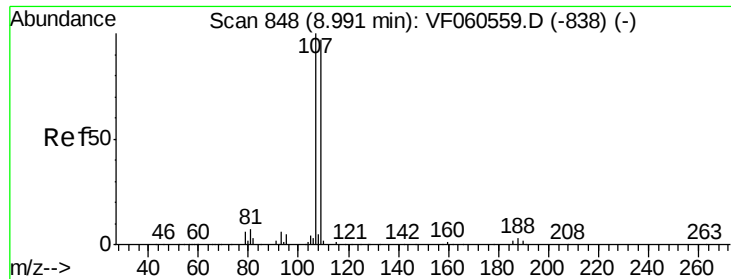
Tot Ion: 43 Resp: 122090
Ion Ratio Lower Upper
43 100
58 53.5 26.1 78.3



#60
Dibromochloromethane
Concen: 20.030 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.01 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion: 129 Resp: 61300
Ion Ratio Lower Upper
129 100
127 79.2 37.8 113.3





#61

1,2-Dibromoethane

Concen: 20.656 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

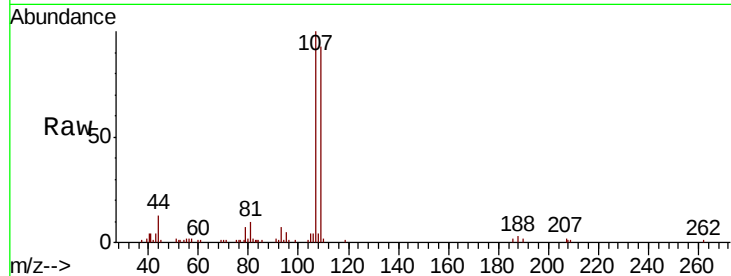
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 47533

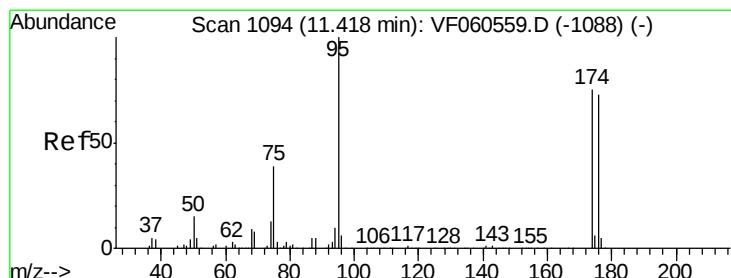
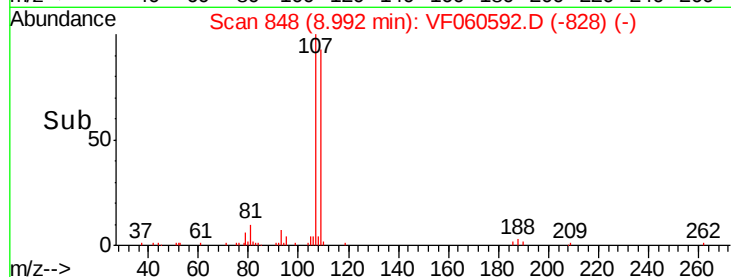
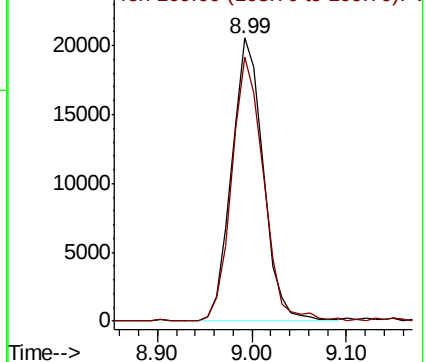
Ion Ratio Lower Upper

107 100

109 93.3 77.5 116.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.584 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

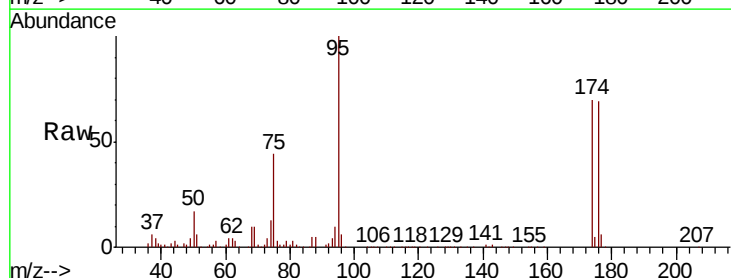
Tgt Ion: 95 Resp: 214401

Ion Ratio Lower Upper

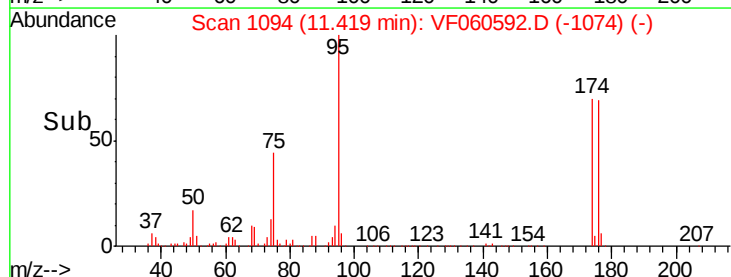
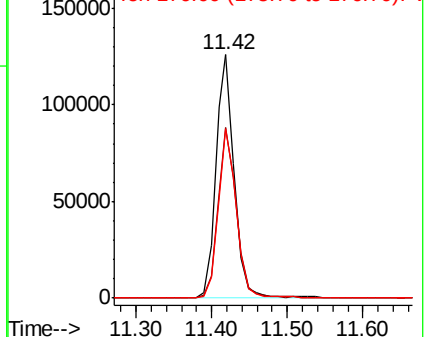
95 100

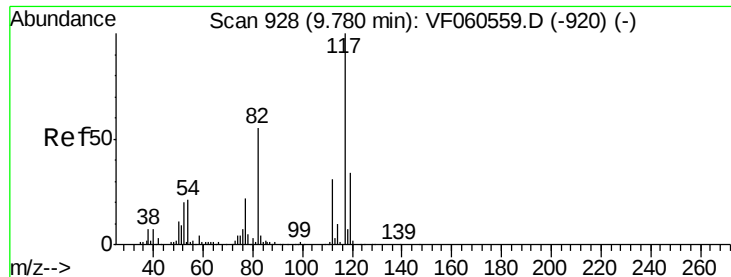
174 70.2 0.0 149.0

176 69.4 0.0 145.6



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

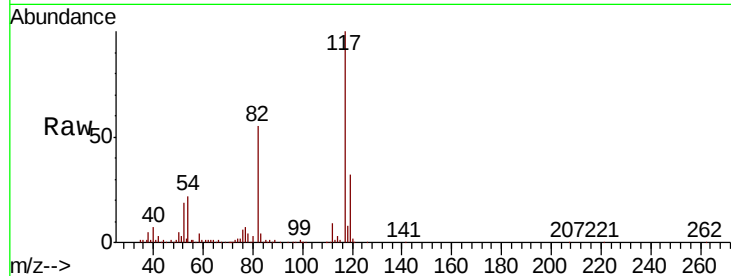




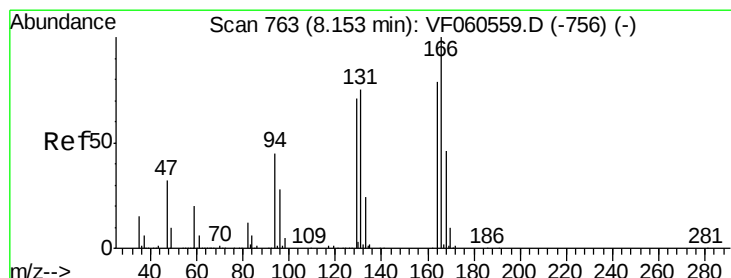
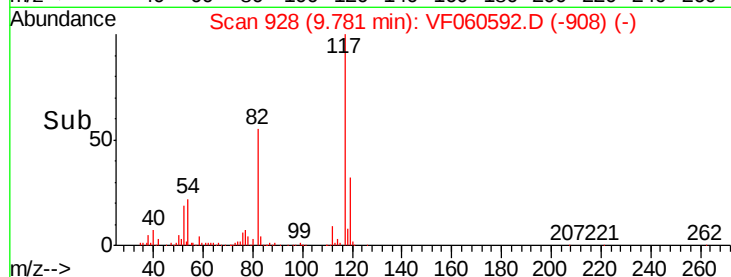
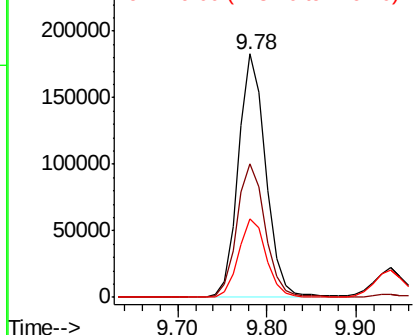
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 392716
Ion Ratio Lower Upper
117 100
82 54.9 43.9 65.9
119 32.0 27.4 41.0

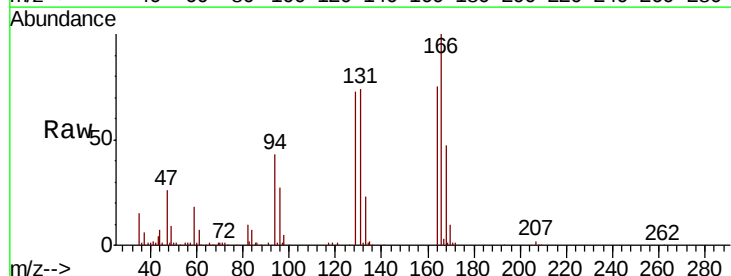


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

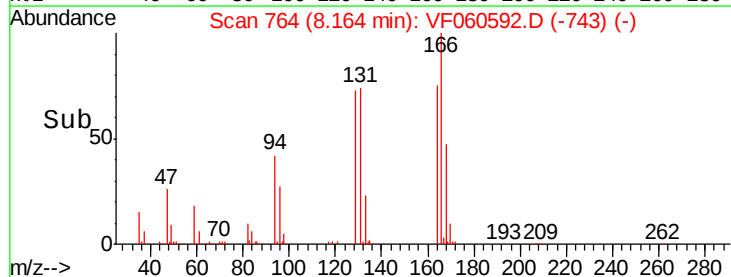
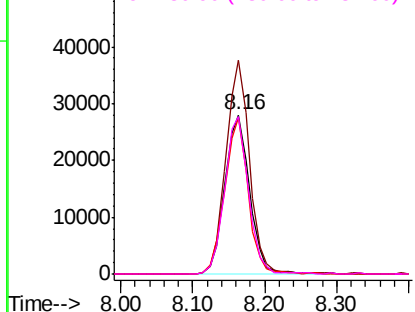


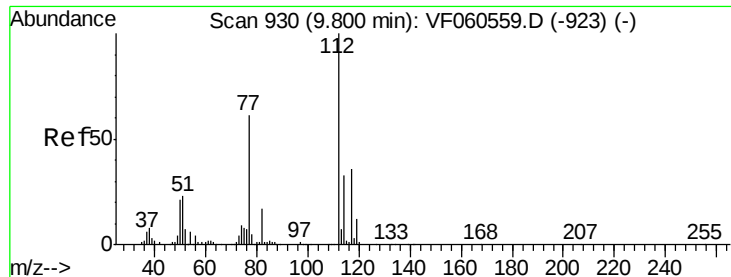
#64
Tetrachloroethene
Concen: 21.715 ug/l
RT: 8.16 min Scan# 764
Delta R.T. 0.01 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion:164 Resp: 66834
Ion Ratio Lower Upper
164 100
166 134.1 101.5 152.3
129 98.0 72.5 108.7
131 98.6 76.4 114.6



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

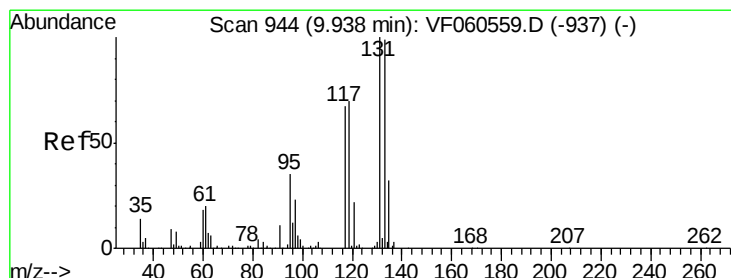
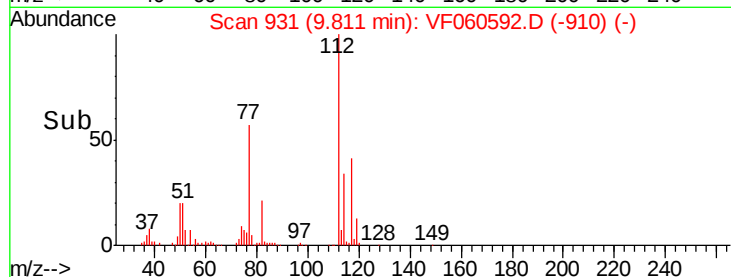
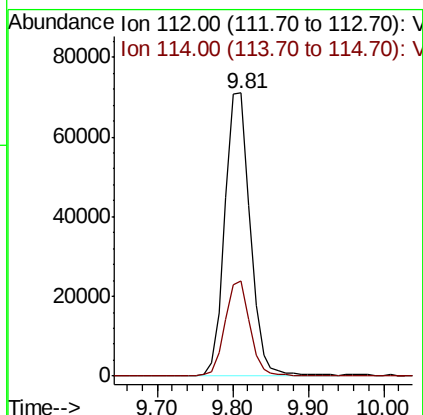
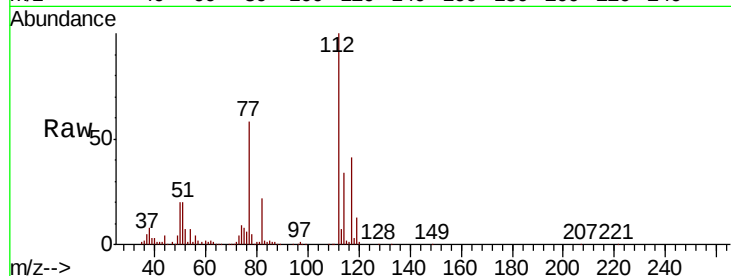




#65
Chlorobenzene
Concen: 20.624 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.01 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

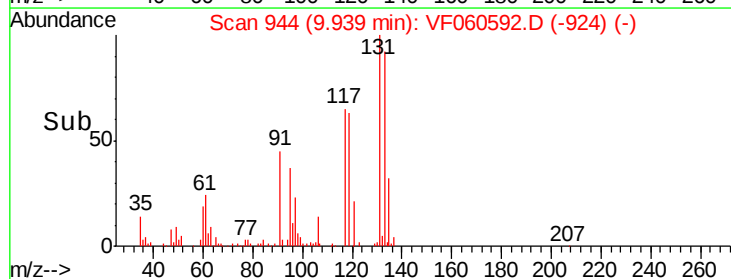
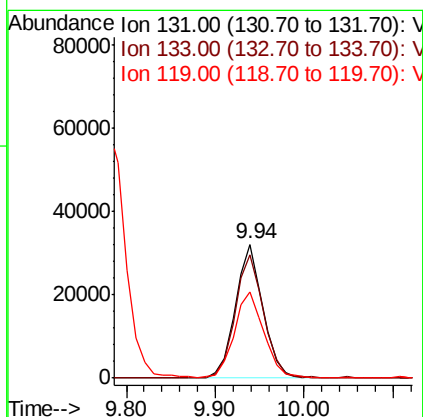
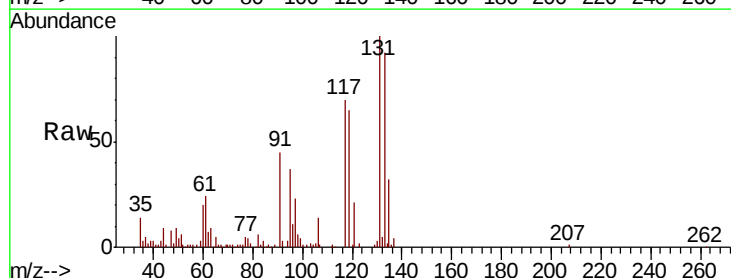
Instrument :
MSVOA_F
ClientSampleId :

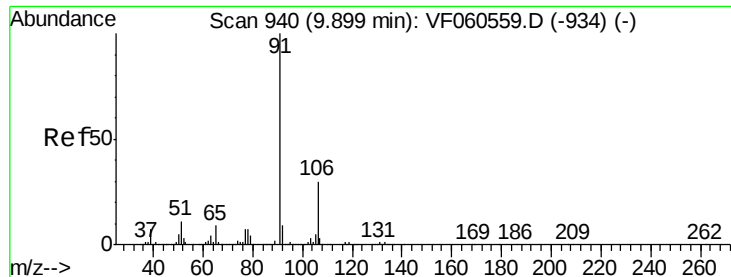
Tot Ion:112 Resp: 165629
Ion Ratio Lower Upper
112 100
114 33.6 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.431 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion:131 Resp: 69331
Ion Ratio Lower Upper
131 100
133 92.0 49.5 148.7
119 64.5 35.2 105.6





#67

Ethyl Benzene

Concen: 21.578 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

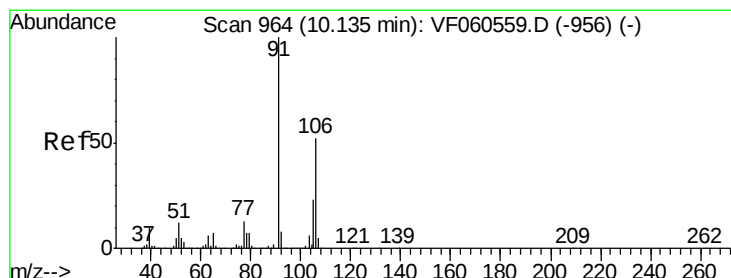
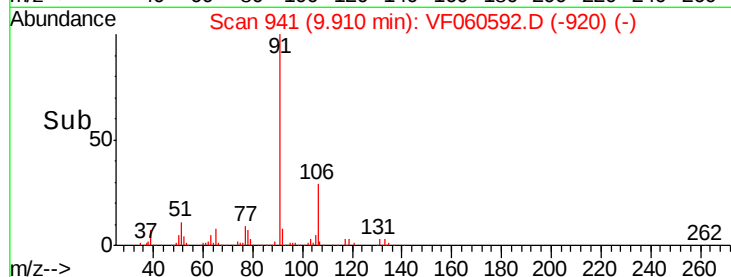
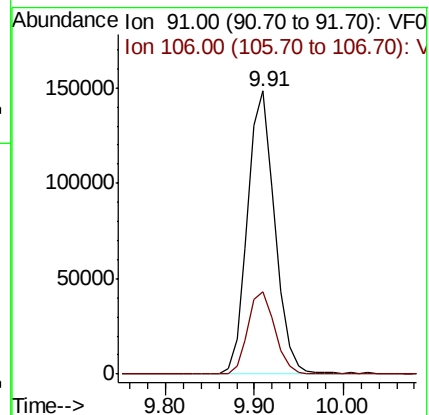
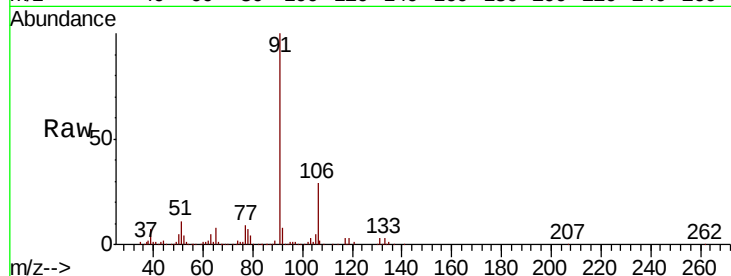
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 314479

Ion Ratio Lower Upper

91 100

106 29.2 24.2 36.4



#68

m/p-Xylenes

Concen: 41.836 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF060592.D

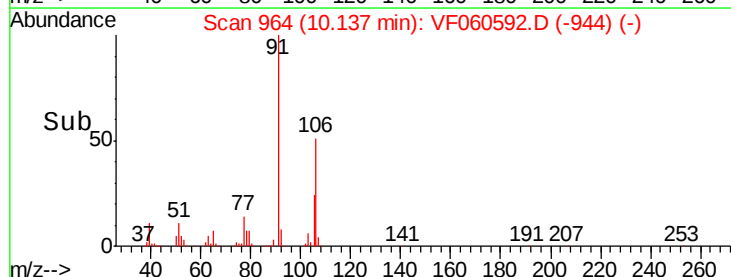
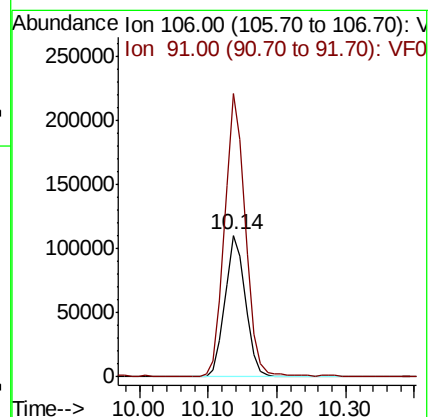
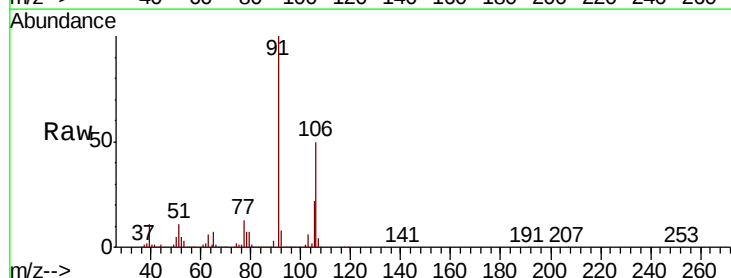
Acq: 6 Nov 2018 3:22

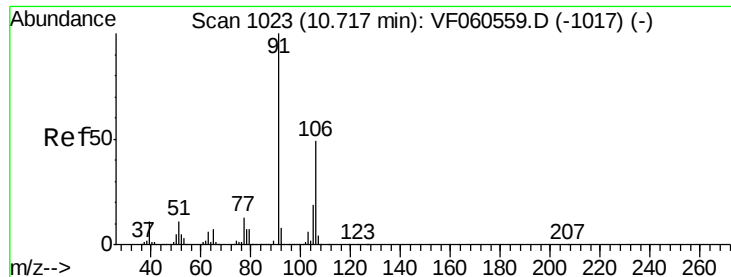
Tgt Ion: 106 Resp: 229668

Ion Ratio Lower Upper

106 100

91 199.8 153.9 230.9

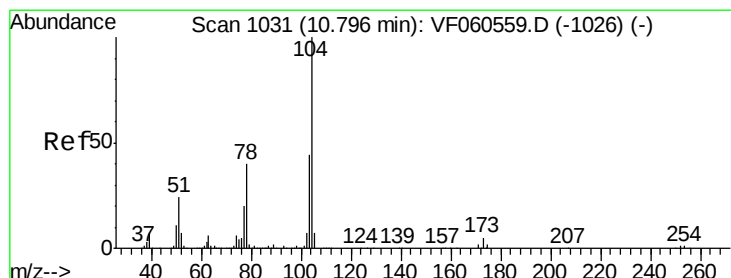
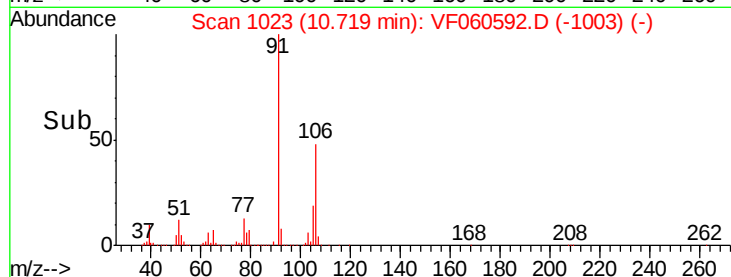
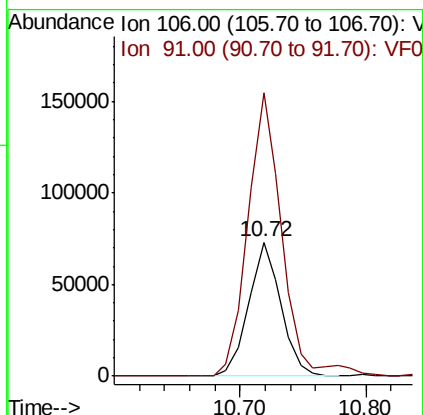
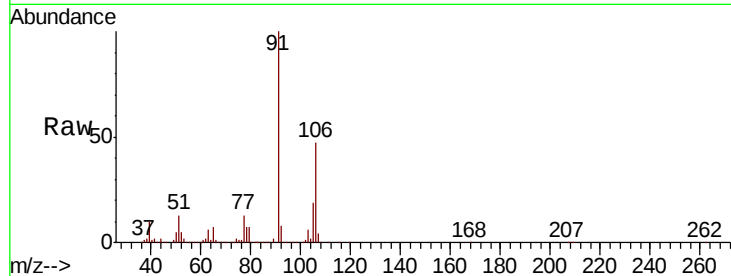




#69
o-Xylene
Concen: 21.761 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

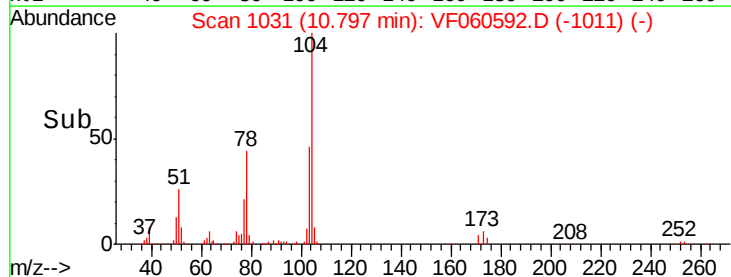
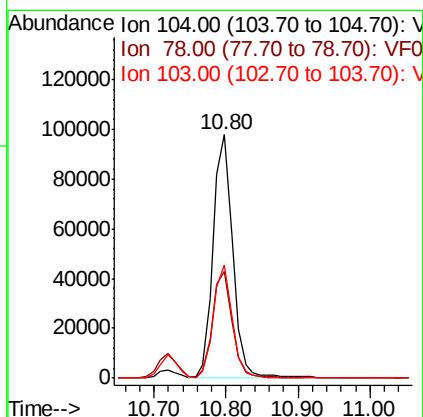
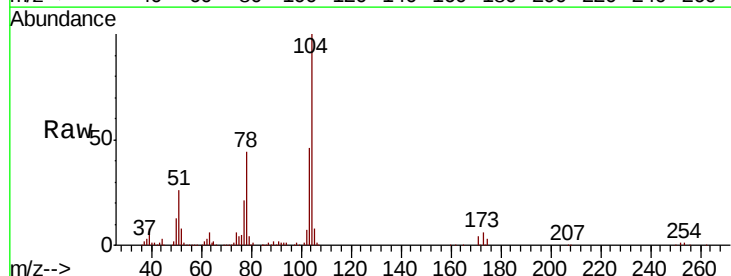
Instrument :
MSVOA_F
ClientSampled :

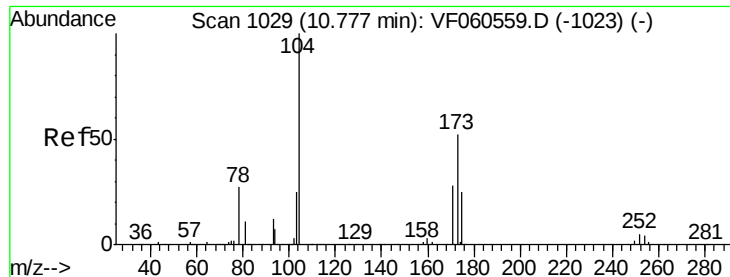
Tot Ion:106 Resp: 130446
Ion Ratio Lower Upper
106 100
91 210.8 101.8 305.3



#70
Styrene
Concen: 20.845 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion:104 Resp: 181030
Ion Ratio Lower Upper
104 100
78 43.9 32.6 49.0
103 46.3 35.2 52.8





#71

Bromoform

Concen: 19.094 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :

MSVOA_F

ClientSampleId :

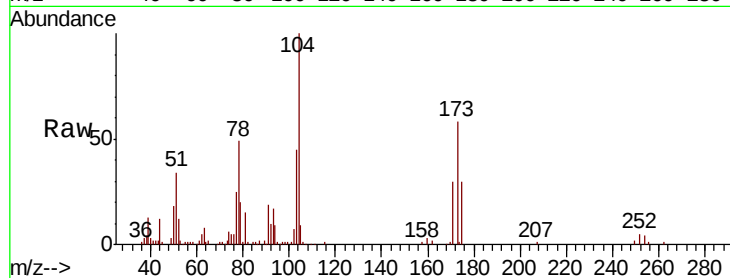
Tot Ion:173 Resp: 33465

Ion Ratio Lower Upper

173 100

175 52.0 24.3 72.9

254 0.0 6.7 10.1#

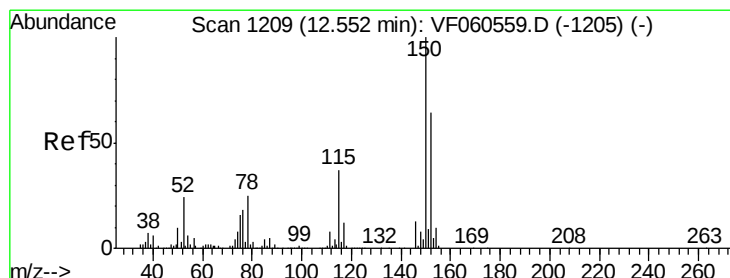
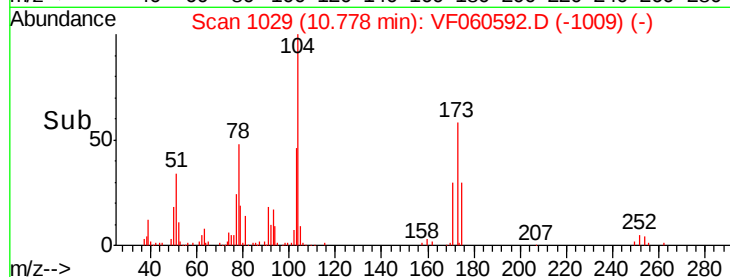
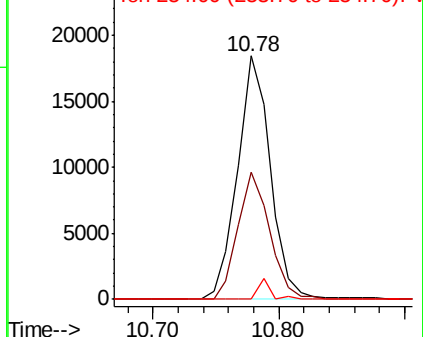


Abundance

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: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

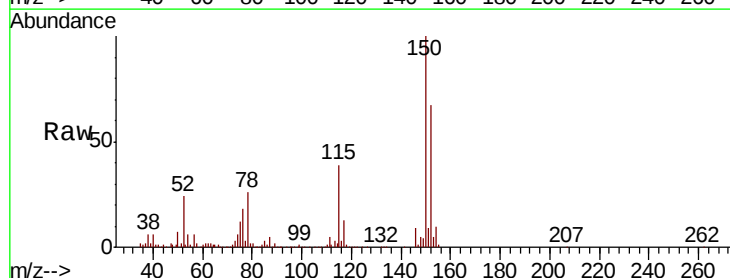
Tgt Ion:152 Resp: 215609

Ion Ratio Lower Upper

152 100

115 58.7 29.6 88.8

150 148.8 0.0 315.6

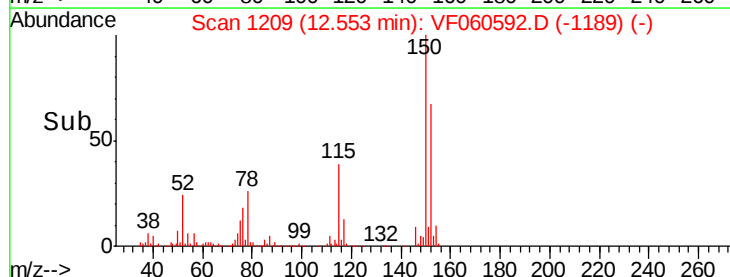
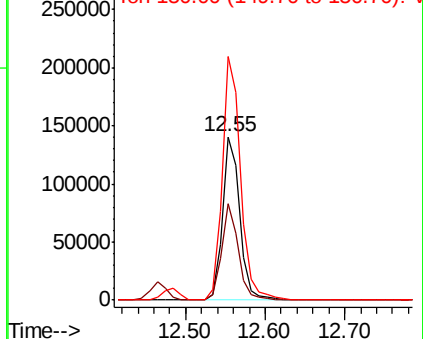


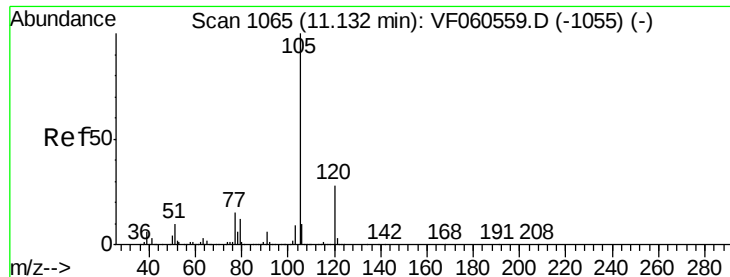
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.331 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :

MSVOA_F

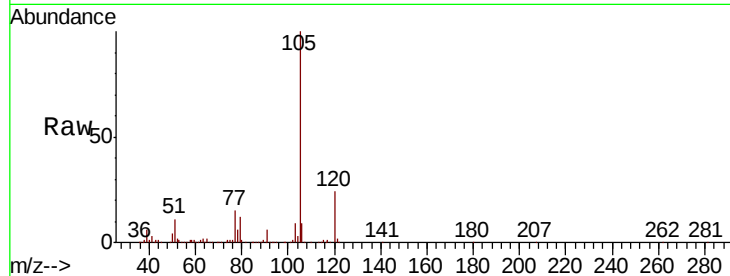
ClientSampleId :

Tot Ion:105 Resp: 375490

Ion Ratio Lower Upper

105 100

120 24.4 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

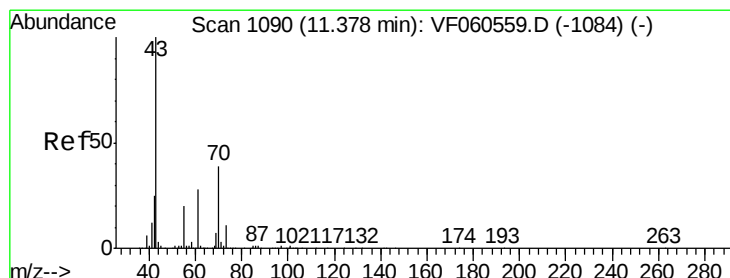
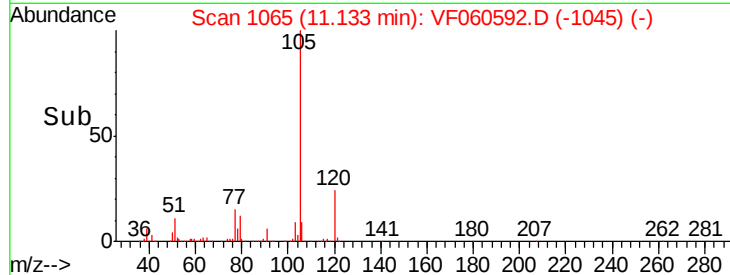
50000

0

11.13

11.10 11.12 11.14 11.16 11.18 11.20 11.22 11.24 11.26 11.28 11.30

Time-->



#74

N-ethyl acetate

Concen: 16.772 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Tgt Ion: 43 Resp: 81540

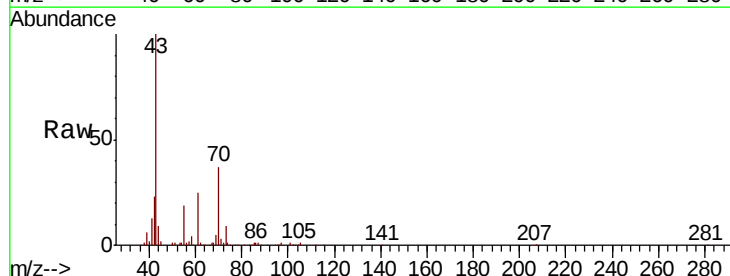
Ion Ratio Lower Upper

43 100

70 37.2 30.9 46.3

55 19.3 16.6 24.8

61 25.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

80000

60000

40000

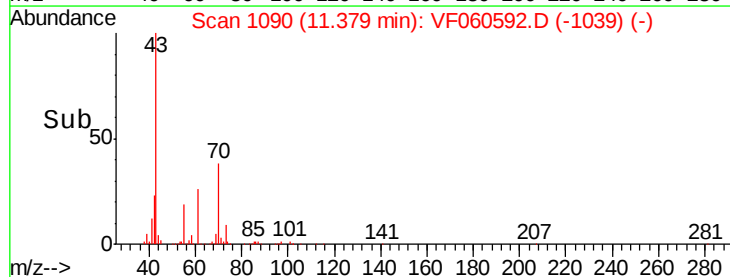
20000

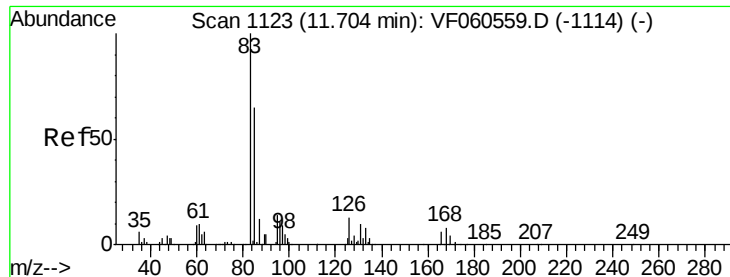
0

11.38

11.30 11.32 11.34 11.36 11.38 11.40 11.42 11.44 11.46 11.48 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.411 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :

MSVOA_F

ClientSampleId :

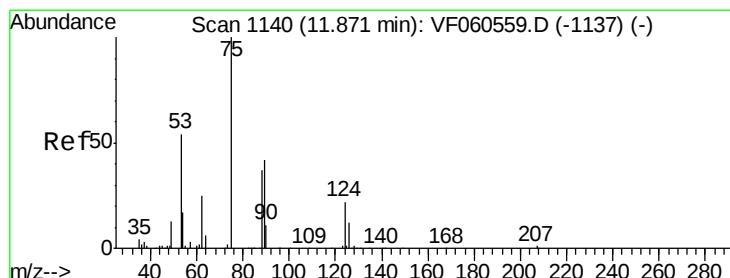
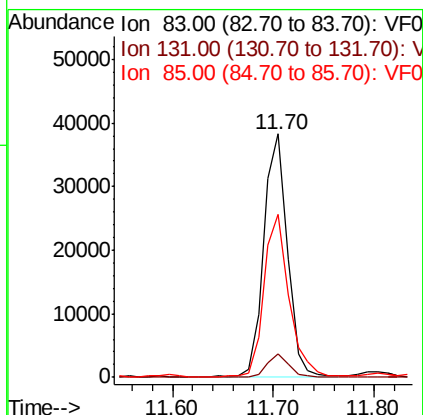
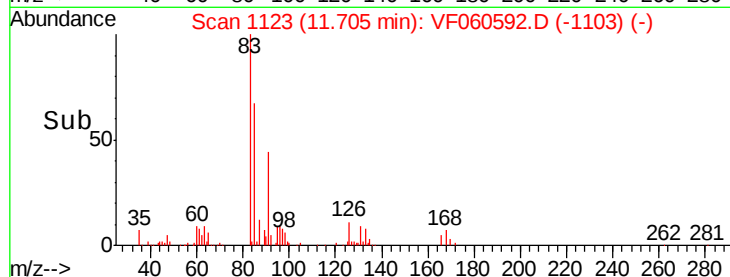
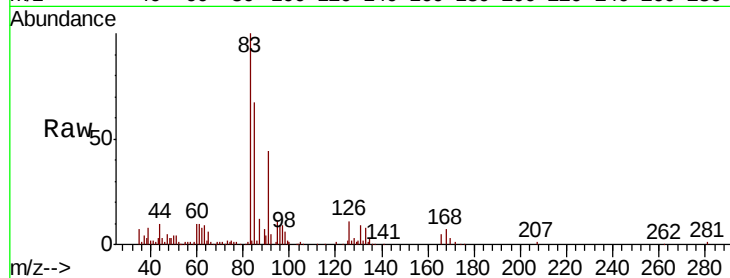
Tot Ion: 83 Resp: 62644

Ion Ratio Lower Upper

83 100

131 9.4 5.0 14.9

85 66.7 32.9 98.7



#76

1,2,3-Trichloropropane

Concen: 19.468 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF060592.D

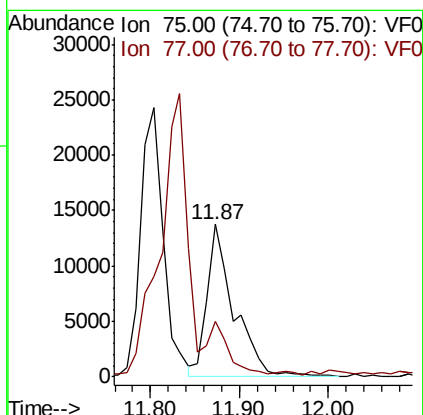
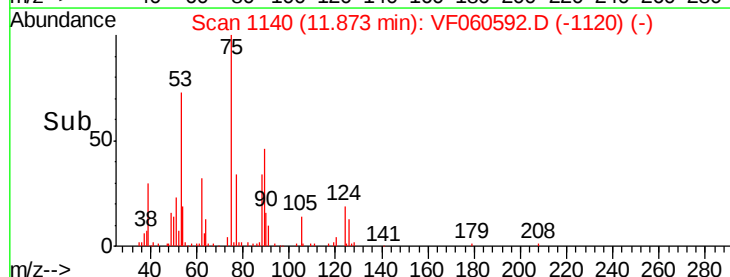
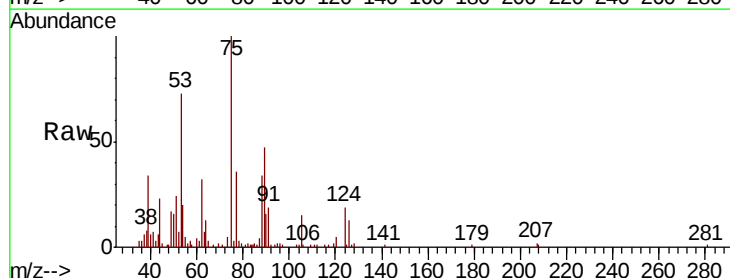
Acq: 6 Nov 2018 3:22

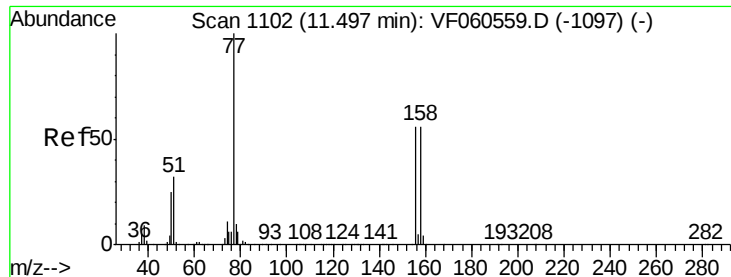
Tgt Ion: 75 Resp: 29365

Ion Ratio Lower Upper

75 100

77 36.3 17.4 52.3





#77

Bromobenzene

Concen: 20.538 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :

MSVOA_F

ClientSampleId :

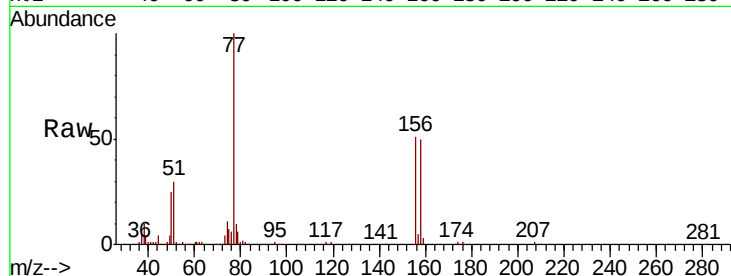
Tot Ion:156 Resp: 75565

Ion Ratio Lower Upper

156 100

77 194.4 89.3 268.1

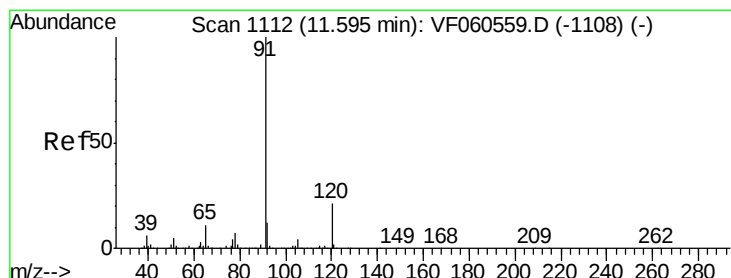
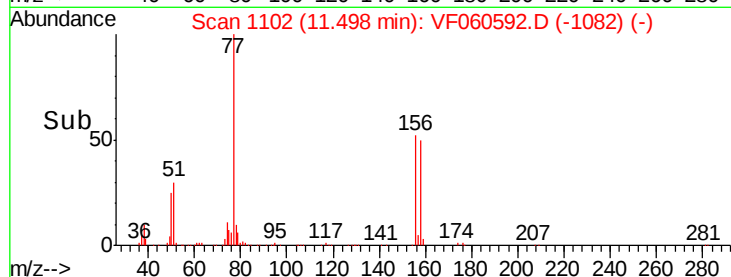
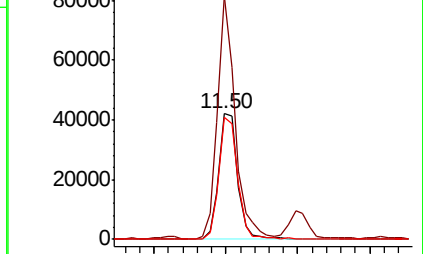
158 97.7 50.0 150.1



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: 21.232 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060592.D

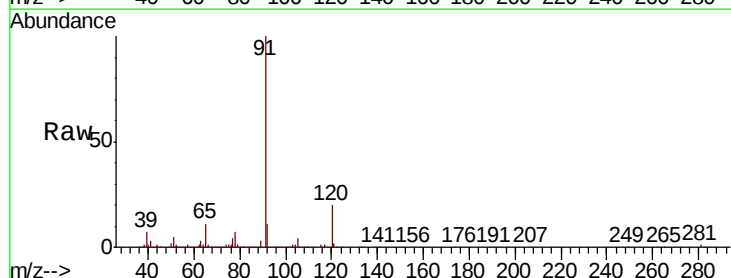
Acq: 6 Nov 2018 3:22

Tgt Ion: 91 Resp: 417713

Ion Ratio Lower Upper

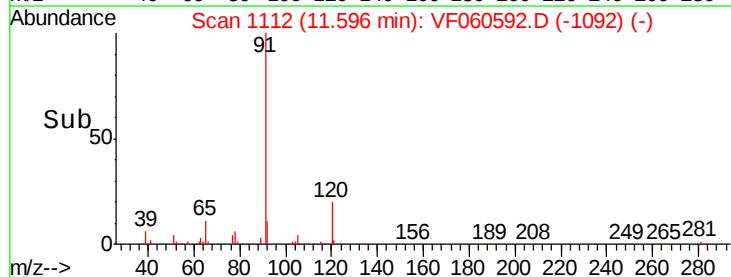
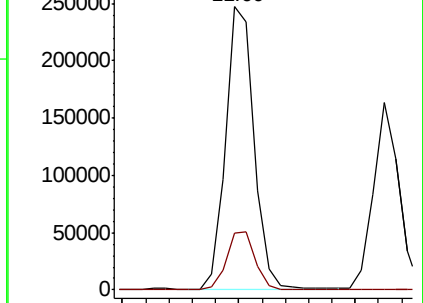
91 100

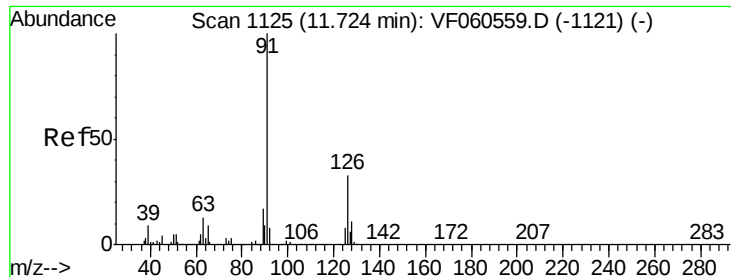
120 20.2 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.992 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :

MSVOA_F

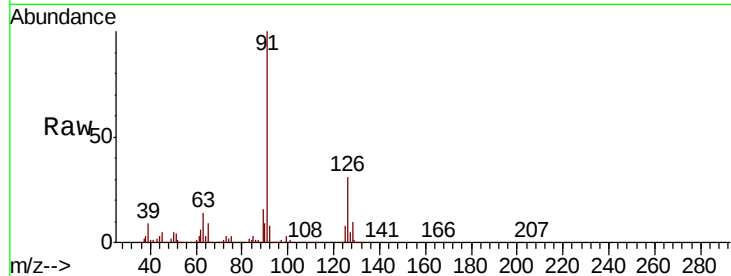
ClientSampleId :

Tot Ion: 91 Resp: 247091

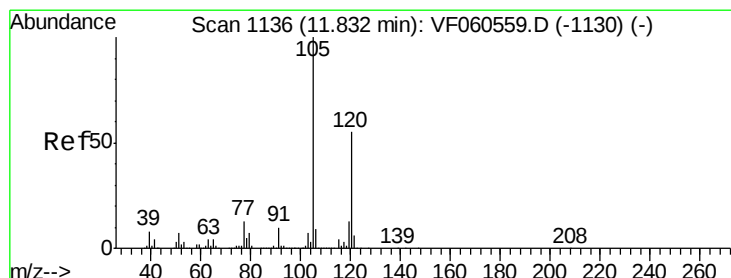
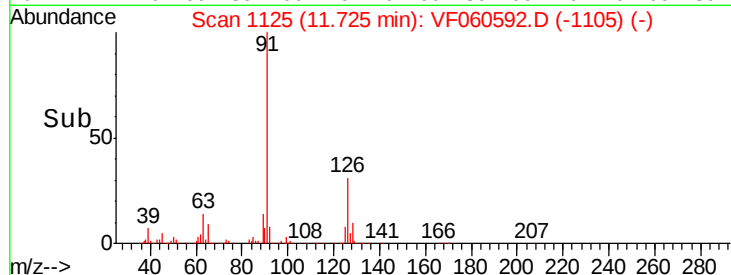
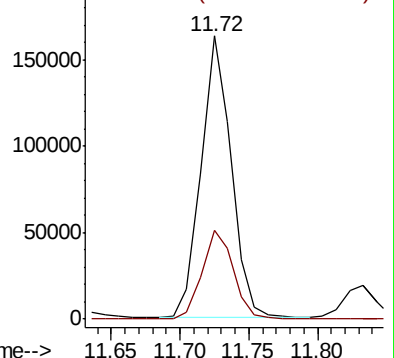
Ion Ratio Lower Upper

91 100

126 31.2 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VF060559.D (-1121) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.401 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060592.D

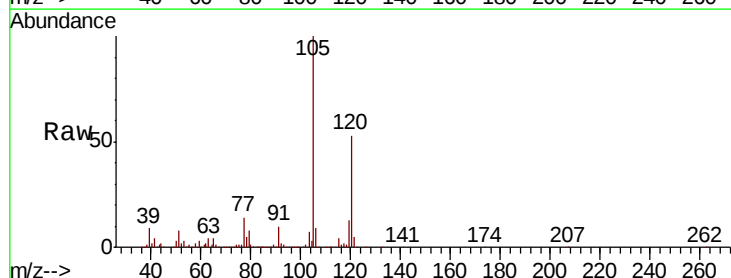
Acq: 6 Nov 2018 3:22

Tgt Ion: 105 Resp: 296620

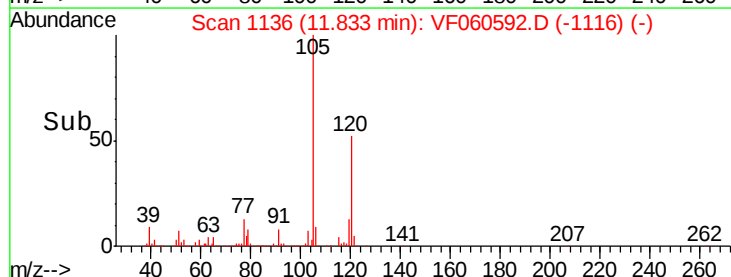
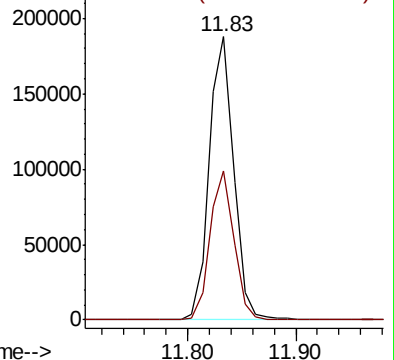
Ion Ratio Lower Upper

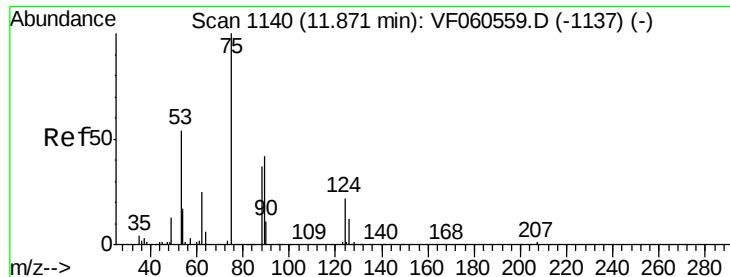
105 100

120 52.6 27.6 82.8



Abundance Ion 105.00 (104.70 to 105.70): VF060559.D (-1130) (-)

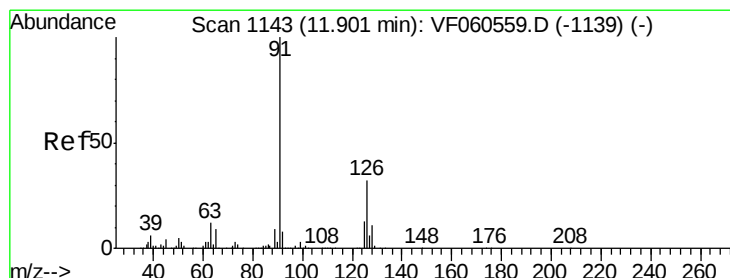
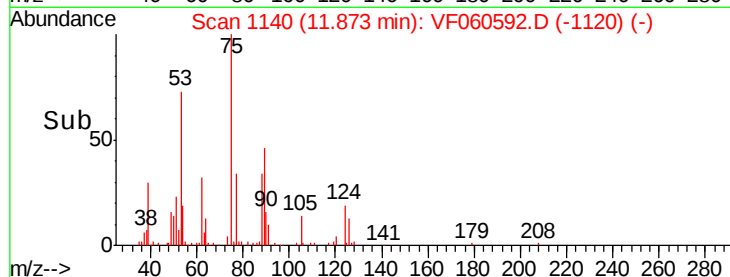
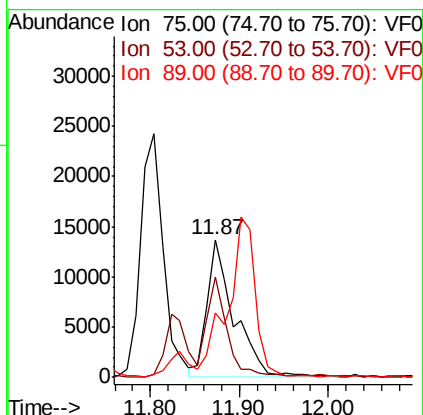
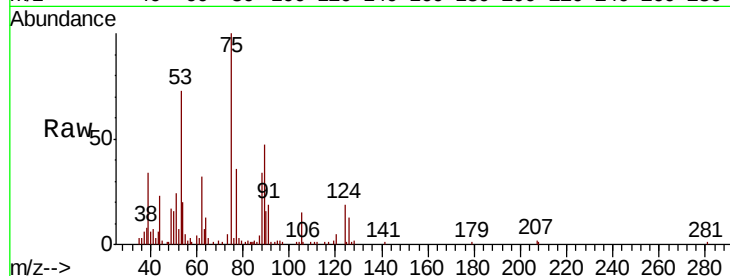




#81
trans-1,4-Dichloro-2-butene
Concen: 24.772 ug/l
RT: 11.87 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

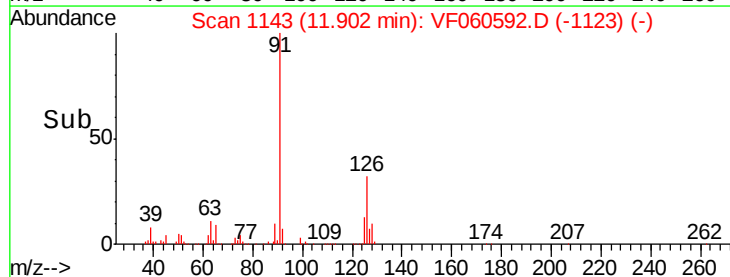
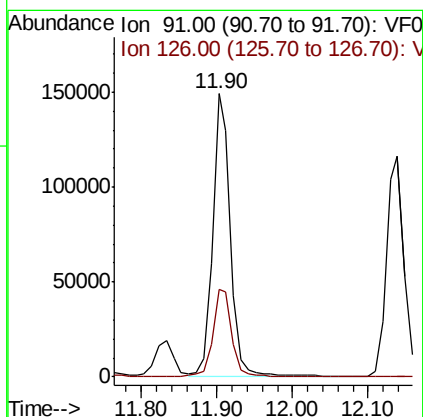
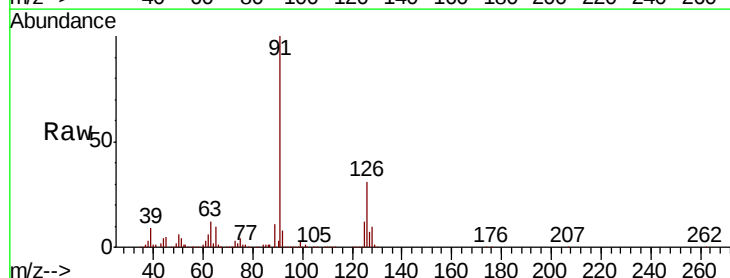
Instrument :
MSVOA_F
ClientSampleId :

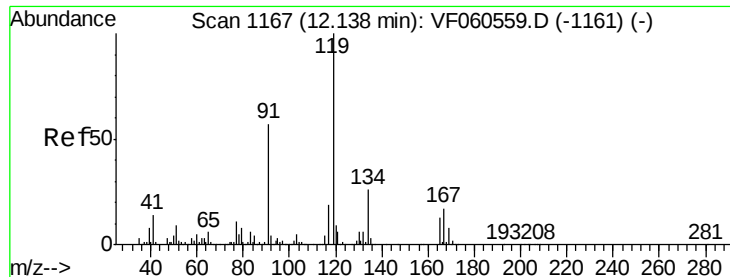
Tot Ion: 75 Resp: 29365
Ion Ratio Lower Upper
75 100
53 72.7 51.6 77.4
89 47.0 36.7 55.1



#82
4-Chlorotoluene
Concen: 20.690 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion: 91 Resp: 242532
Ion Ratio Lower Upper
91 100
126 31.1 15.9 47.7

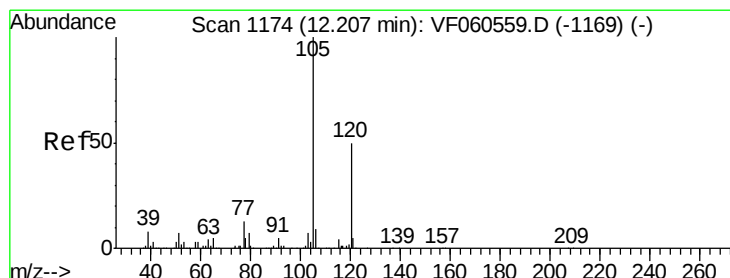
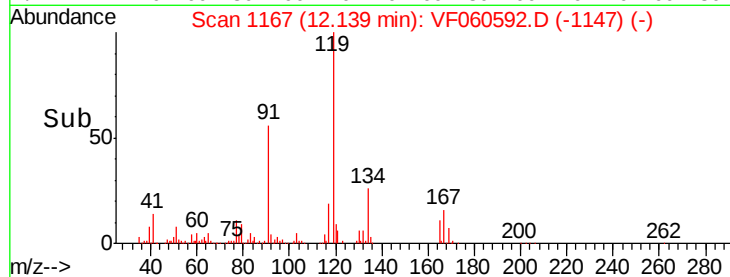
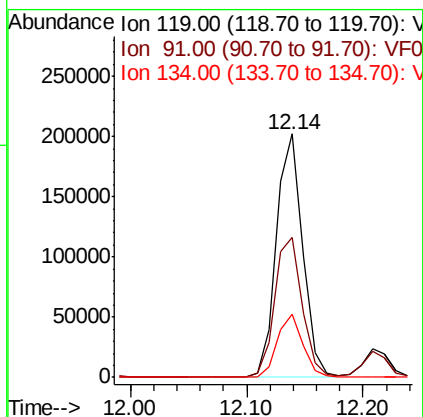
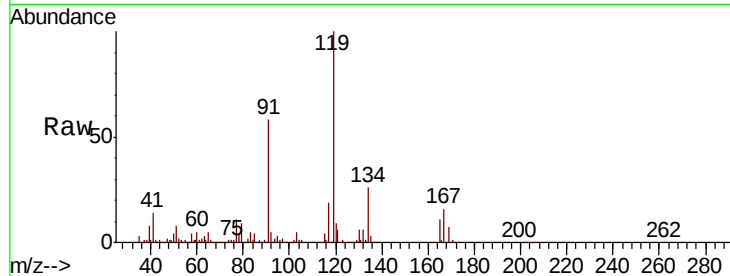




#83
 tert-Butylbenzene
 Concen: 22.324 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VF060592.D
 Acq: 6 Nov 2018 3:22

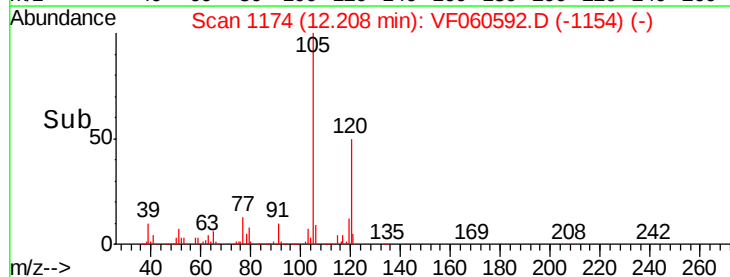
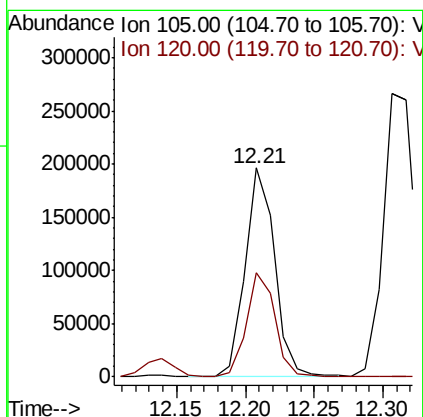
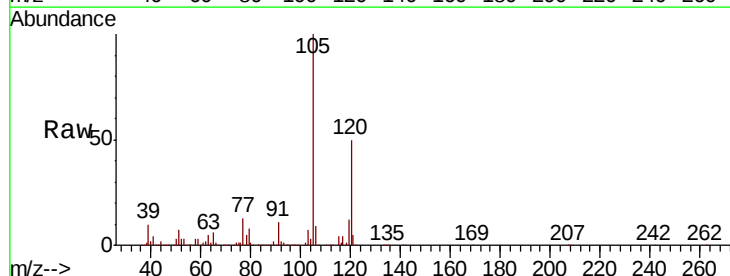
Instrument :
 MSVOA_F
 ClientSampled :

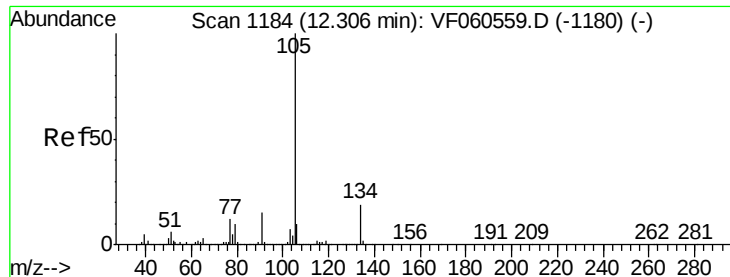
Tot Ion:119 Resp: 316100
 Ion Ratio Lower Upper
 119 100
 91 57.6 28.8 86.4
 134 25.8 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.725 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF060592.D
 Acq: 6 Nov 2018 3:22

Tgt Ion:105 Resp: 294871
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.6 76.8

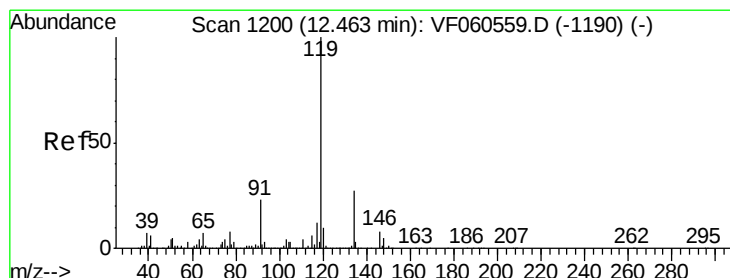
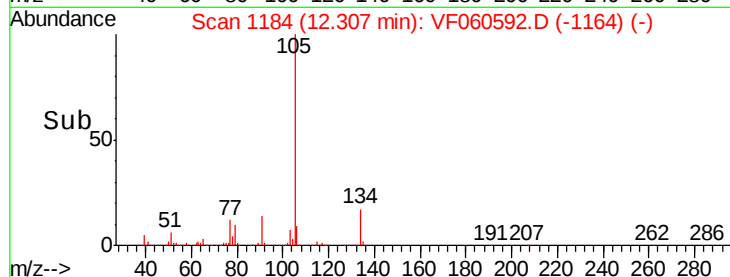
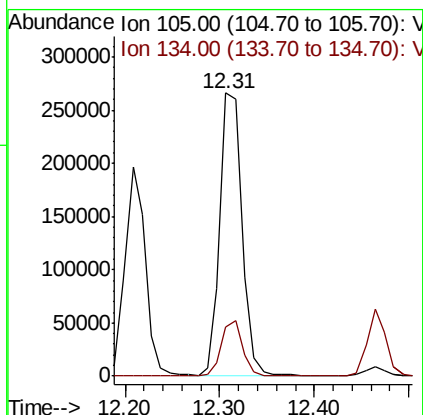
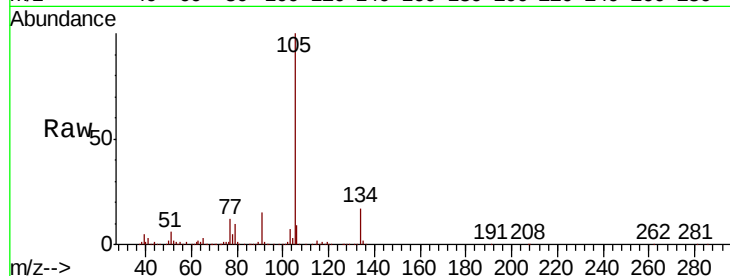




#85
 sec-Butylbenzene
 Concen: 22.268 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF060592.D
 Acq: 6 Nov 2018 3:22

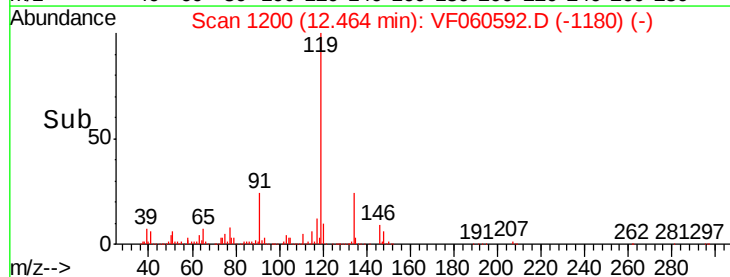
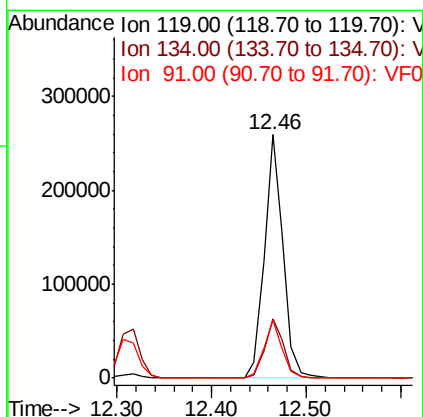
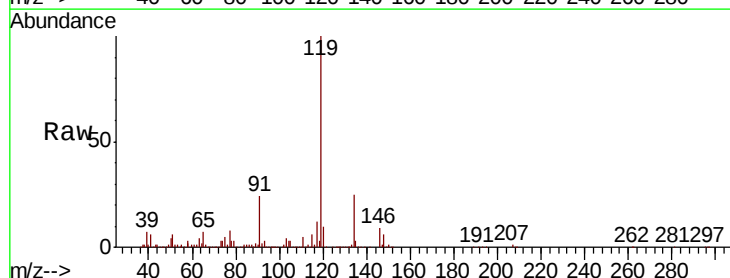
Instrument :
 MSVOA_F
 ClientSampleId :

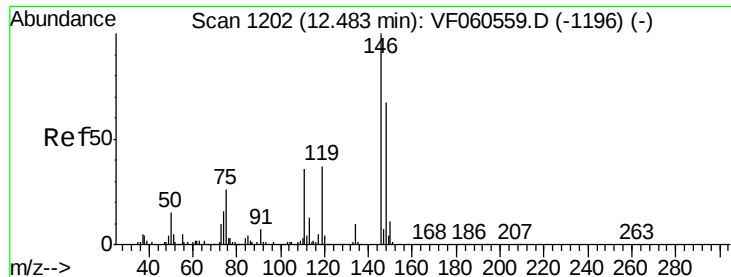
Tot Ion:105 Resp: 433736
 Ion Ratio Lower Upper
 105 100
 134 17.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 22.234 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF060592.D
 Acq: 6 Nov 2018 3:22

Tgt Ion:119 Resp: 356634
 Ion Ratio Lower Upper
 119 100
 134 24.5 13.6 40.7
 91 23.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.890 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. 0.00 min

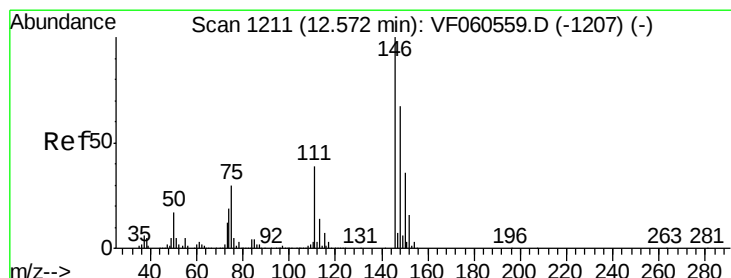
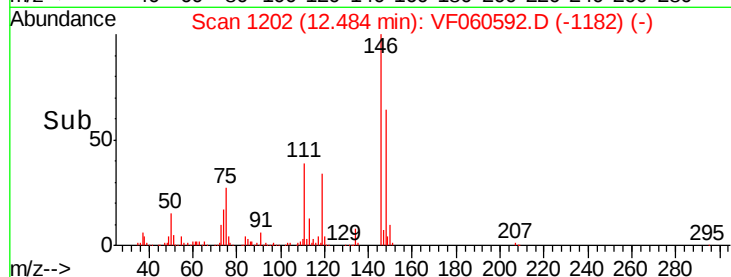
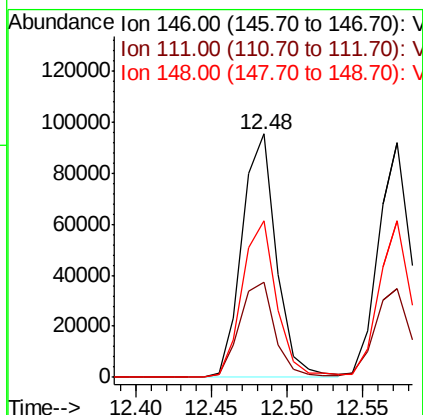
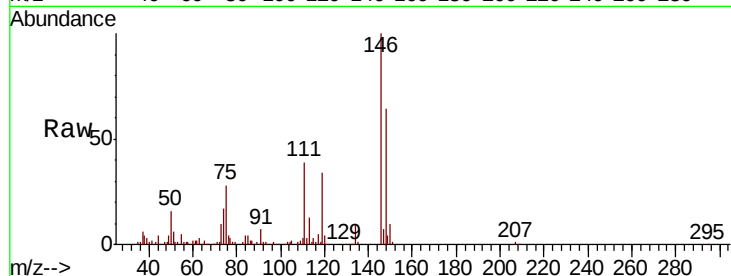
Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:146 Resp: 150865

Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.3	54.8
148	64.3	33.5	100.4



#88

1,4-Dichlorobenzene

Concen: 20.839 ug/l

RT: 12.57 min Scan# 1211

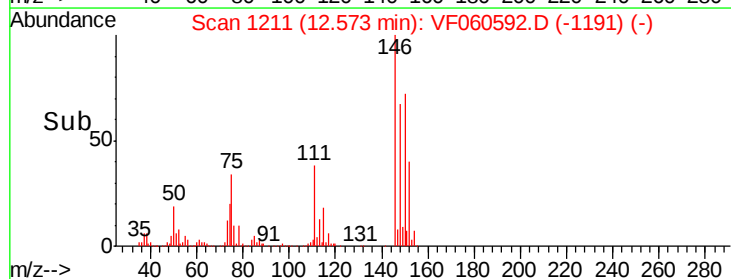
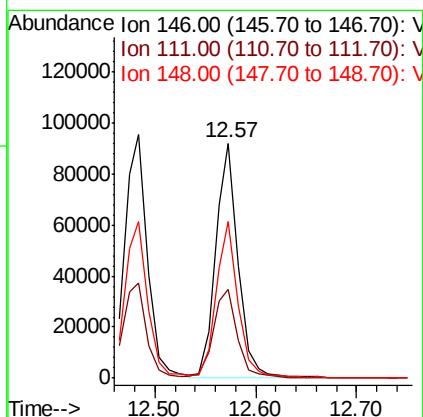
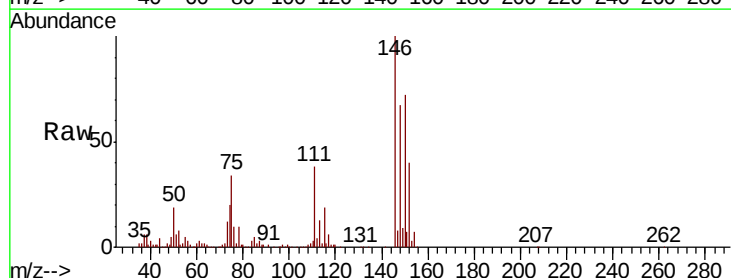
Delta R.T. 0.00 min

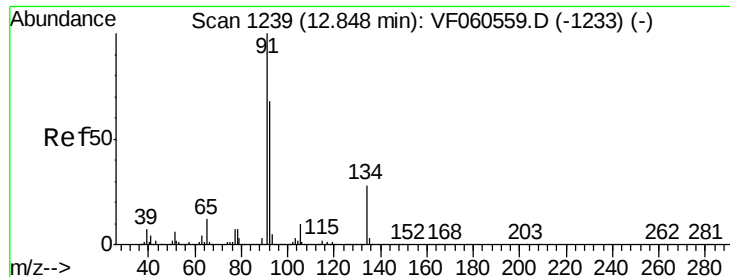
Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Tgt Ion:146 Resp: 142743

Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.7	59.1
148	66.8	33.7	101.1

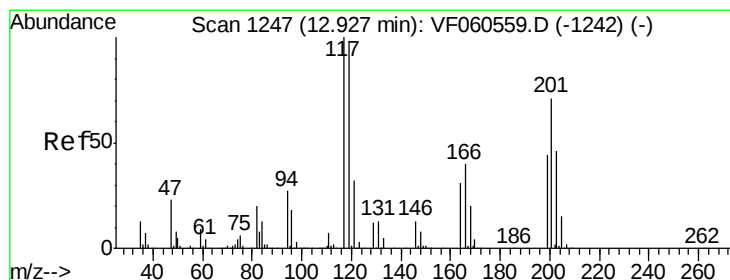
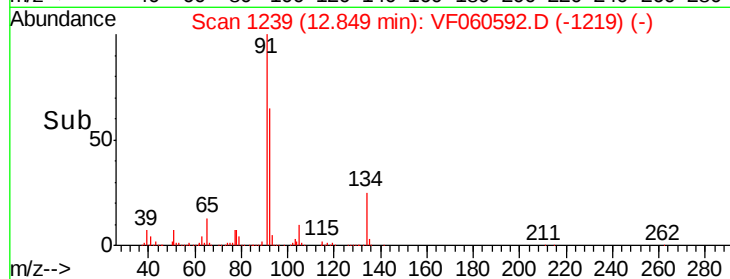
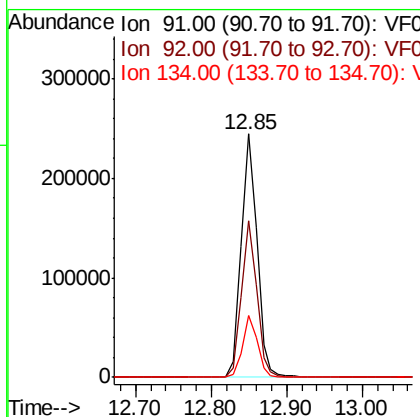
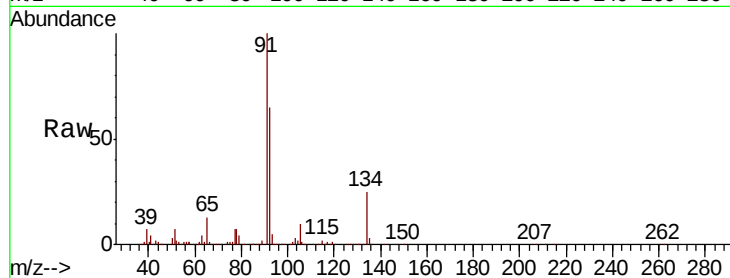




#89
n-Butylbenzene
Concen: 19.986 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

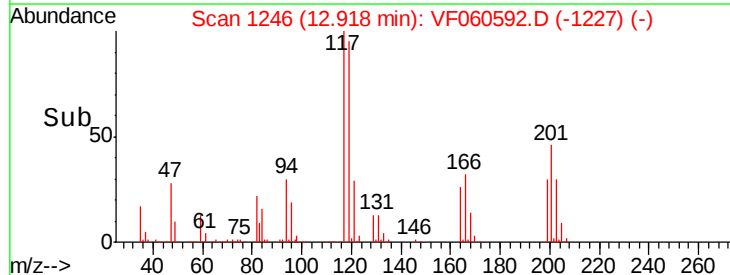
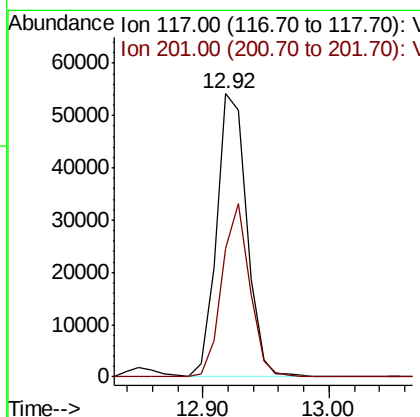
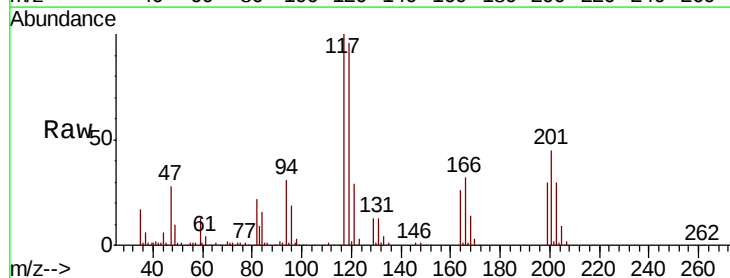
Instrument :
MSVOA_F
ClientSampleId :

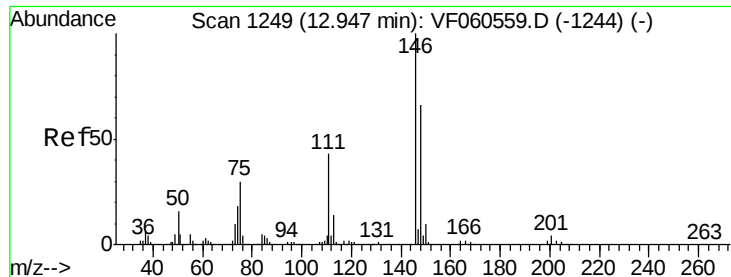
Tot Ion: 91 Resp: 350593
Ion Ratio Lower Upper
91 100
92 64.5 34.1 102.2
134 25.4 13.9 41.6



#90
Hexachloroethane
Concen: 22.132 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060592.D
Acq: 6 Nov 2018 3:22

Tgt Ion: 117 Resp: 90277
Ion Ratio Lower Upper
117 100
201 47.0 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 21.047 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :

MSVOA_F

ClientSampleId :

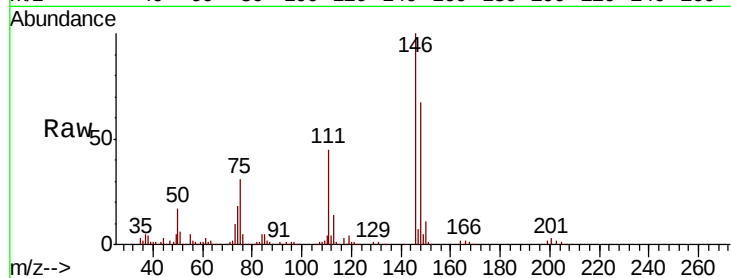
Tot Ion:146 Resp: 142200

Ion Ratio Lower Upper

146 100

111 44.5 21.3 64.0

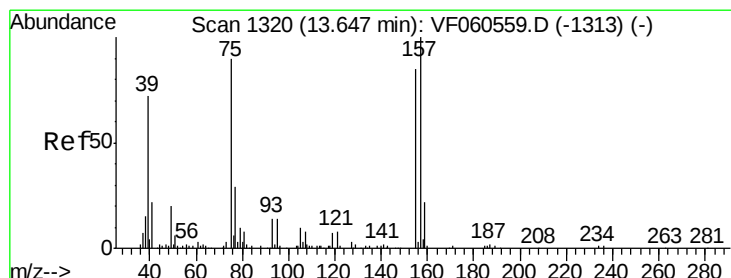
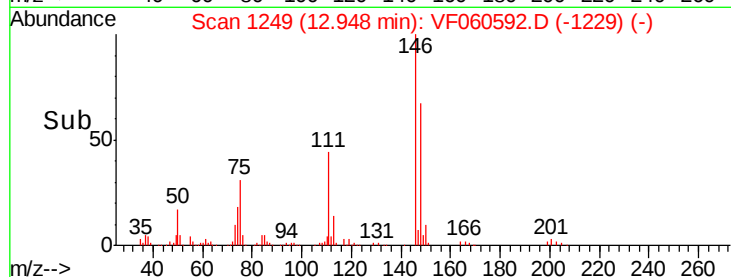
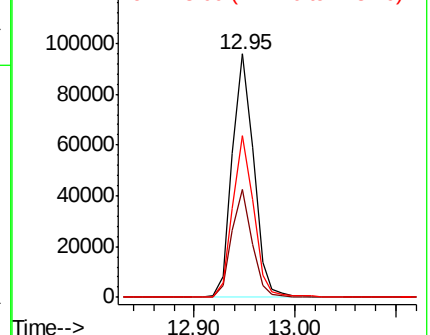
148 66.5 32.9 98.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.295 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

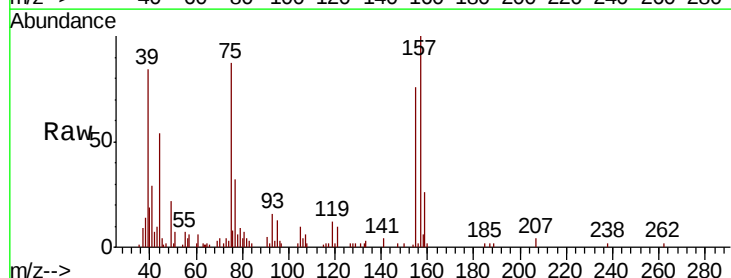
Tgt Ion: 75 Resp: 11355

Ion Ratio Lower Upper

75 100

155 87.4 47.3 141.8

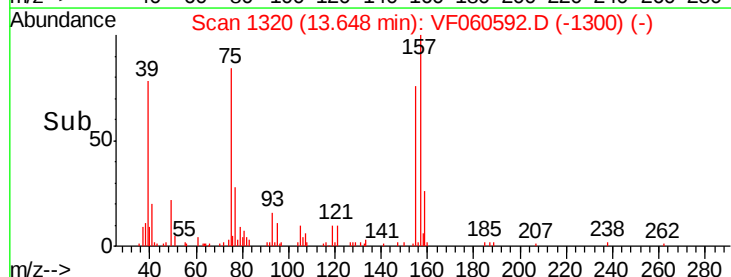
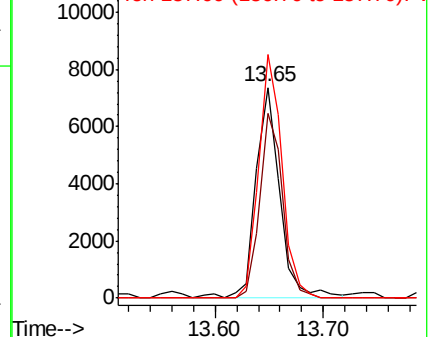
157 115.4 55.3 165.9

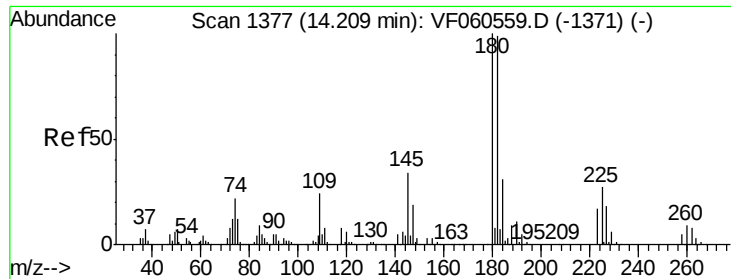


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

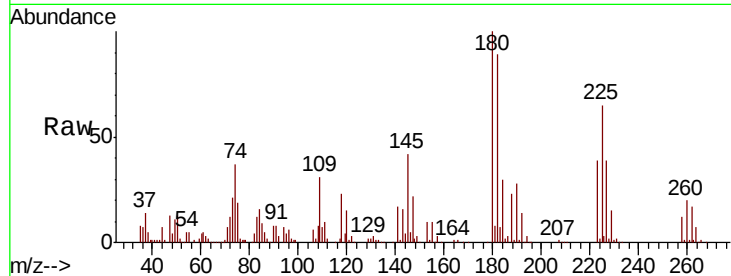




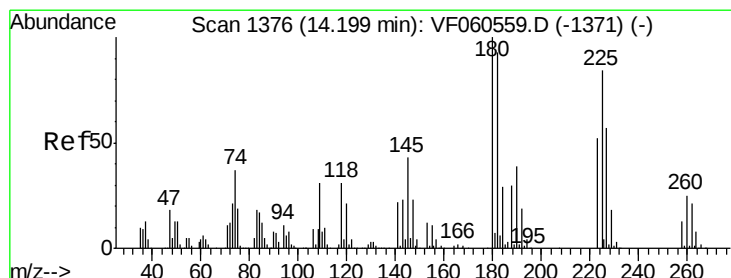
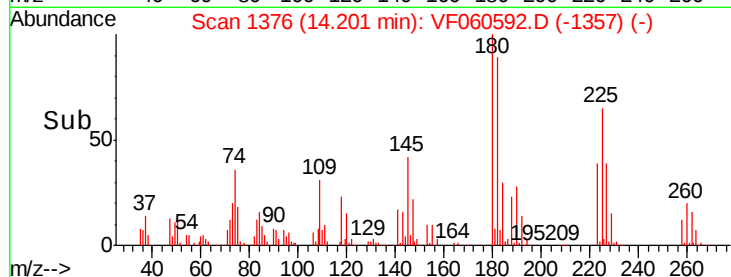
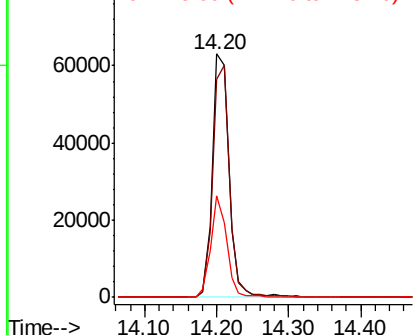
#93
 1,2,4-Trichlorobenzene
 Concen: 22.015 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060592.D
 Acq: 6 Nov 2018 3:22

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 101047
 Ion Ratio Lower Upper
 180 100
 182 89.5 49.7 149.1
 145 41.8 16.9 50.7

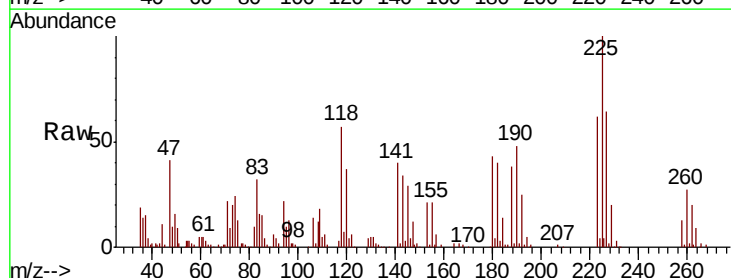


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

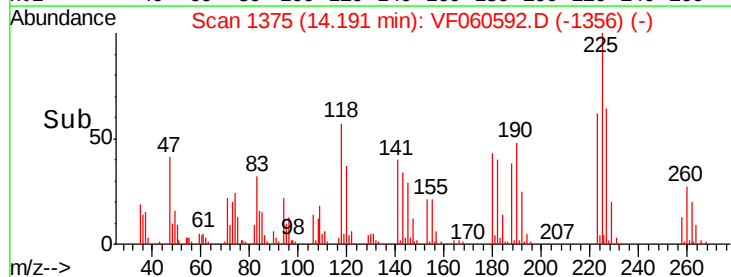
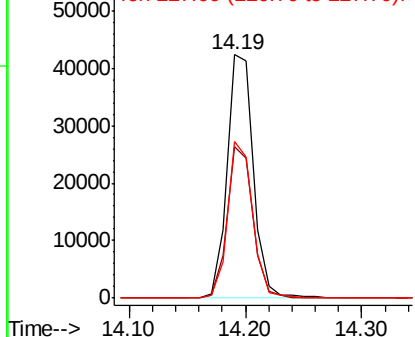


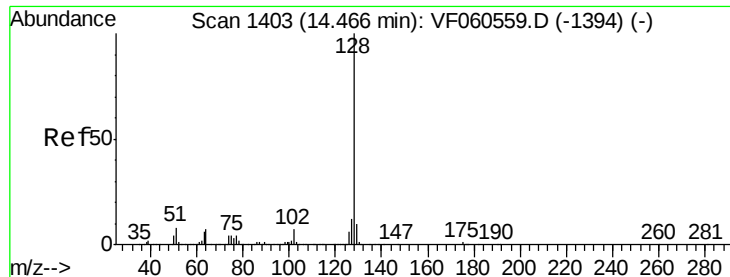
#94
 Hexachlorobutadiene
 Concen: 22.225 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060592.D
 Acq: 6 Nov 2018 3:22

Tgt Ion:225 Resp: 66101
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.9 92.5
 227 64.5 33.9 101.6



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: 19.374 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.01 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

Instrument :

MSVOA_F

ClientSampled :

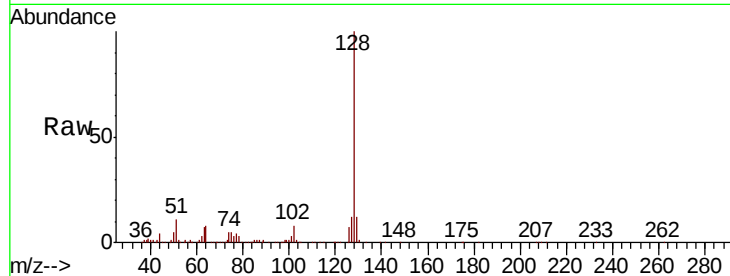
Tot Ion:128 Resp: 177986

Ion Ratio Lower Upper

128 100

127 12.3 9.4 14.0

129 12.4 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

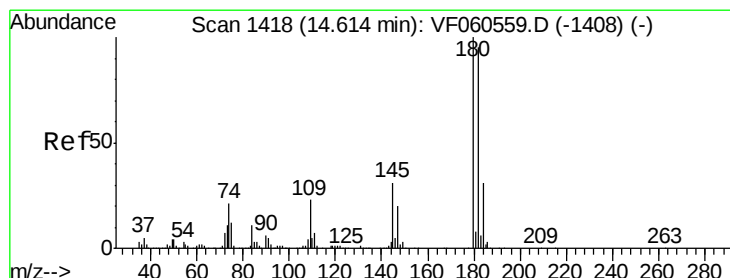
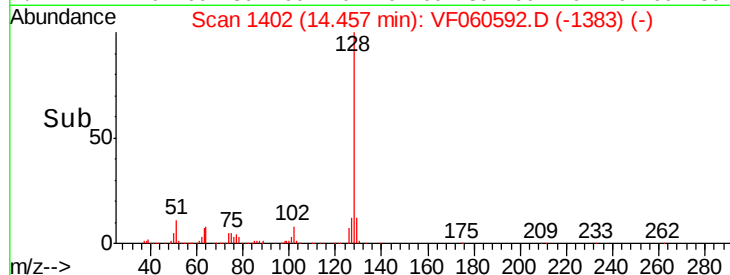
14.46

100000

50000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 21.852 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF060592.D

Acq: 6 Nov 2018 3:22

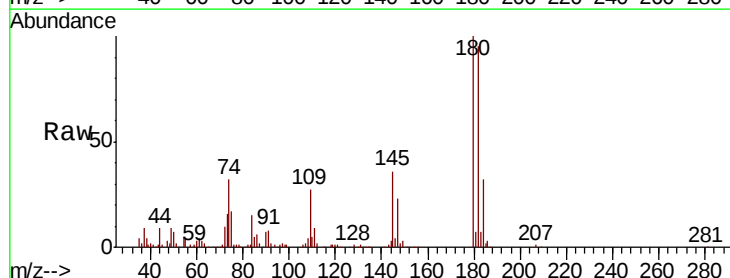
Tgt Ion:180 Resp: 94747

Ion Ratio Lower Upper

180 100

182 95.4 47.3 142.0

145 35.9 15.6 46.8



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

14.61

80000

60000

40000

20000

0

Time-->

