

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
 Data File : VF060327.D
 Acq On : 25 Sep 2018 16:21
 Operator : VA/AP
 Sample : VF0925SBSD01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBSD01

Quant Time: Sep 26 01:45:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	254611	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	409216	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	381609	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	198292	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	185122	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
35) Dibromofluoromethane	4.27	113	194187	53.23	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.46%	
50) Toluene-d8	7.69	98	479589	50.48	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.50	95	205782	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	113158	26.784	ug/l	89
3) Chloromethane	1.13	50	76015	21.909	ug/l	95
4) Vinyl Chloride	1.18	62	78787	22.281	ug/l	96
5) Bromomethane	1.36	94	54837	23.823	ug/l	91
6) Chloroethane	1.43	64	35415	21.030	ug/l #	81
7) Trichlorofluoromethane	1.53	101	163662	24.843	ug/l	97
8) Diethyl Ether	1.70	74	21956	20.032	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.90	101	79979	22.828	ug/l	88
10) Methyl Iodide	1.97	142	127057	22.489	ug/l	88
11) Tert butyl alcohol	2.68	59	22661	109.008	ug/l #	85
12) 1,1-Dichloroethene	1.86	96	71067	24.528	ug/l	90
13) Acrolein	2.08	56	7850	72.133	ug/l	97
14) Allyl chloride	2.18	41	113422	22.432	ug/l	93
15) Acrylonitrile	3.06	53	46436	95.901	ug/l	92
16) Acetone	2.33	43	98131	101.636	ug/l	96
17) Carbon Disulfide	1.87	76	204416	24.575	ug/l	100
18) Methyl Acetate	2.44	43	26170	16.270	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	156624	21.683	ug/l	99
20) Methylene Chloride	2.27	84	41025	9.748	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	68781	22.984	ug/l	95
22) Diisopropyl ether	2.91	45	213271	22.356	ug/l	98
23) Vinyl Acetate	3.32	43	392231	104.686	ug/l	99
24) 1,1-Dichloroethane	2.99	63	137242	22.183	ug/l	99
25) 2-Butanone	4.49	43	129102	99.341	ug/l	99
26) 2,2-Dichloropropane	3.75	77	83626	23.690	ug/l	86
27) cis-1,2-Dichloroethene	3.62	96	88796	22.586	ug/l	93
28) Bromochloromethane	3.88	49	50321	20.891	ug/l	99
29) Tetrahydrofuran	4.23	42	49847	104.740	ug/l	98
30) Chloroform	4.02	83	165437	22.161	ug/l	95
31) Cyclohexane	3.86	56	113748	21.766	ug/l	94
32) 1,1,1-Trichloroethane	4.26	97	145405	24.685	ug/l	95
36) 1,1-Dichloropropene	4.44	75	120245	23.557	ug/l	96
37) Ethyl Acetate	4.27	43	44458	20.584	ug/l	95
38) Carbon Tetrachloride	4.15	117	158445	28.899	ug/l	93

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	128736	23.270	ug/l	98
40) Benzene	4.80	78	269780	23.309	ug/l	97
41) Methacrylonitrile	4.91	41	25346	21.627	ug/l #	90
42) 1,2-Dichloroethane	5.10	62	105195	24.693	ug/l	97
43) Isopropyl Acetate	7.10	43	51981	19.992	ug/l #	94
44) Trichloroethene	5.65	130	79822	23.173	ug/l	99
45) 1,2-Dichloropropane	6.39	63	67205	22.436	ug/l	90
46) Dibromomethane	6.24	93	48790	22.787	ug/l	91
47) Bromodichloromethane	6.53	83	120139	23.348	ug/l	93
48) Methyl methacrylate	6.86	41	35927	19.684	ug/l	89
49) 1,4-Dioxane	6.85	88	6649	407.756	ug/l #	76
51) 4-Methyl-2-Pentanone	8.39	43	213910	106.741	ug/l	98
52) Toluene	7.76	92	161114	22.004	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	98473	23.726	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	117218	22.418	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	47320	21.293	ug/l	98
56) Ethyl methacrylate	8.75	69	55665	20.740	ug/l	93
57) 1,3-Dichloropropane	8.98	76	82284	22.362	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	29263	123.331	ug/l	100
59) 2-Hexanone	9.62	43	156058	109.371	ug/l	95
60) Dibromochloromethane	8.85	129	74996	22.642	ug/l	95
61) 1,2-Dibromoethane	9.12	107	54135	21.875	ug/l	99
64) Tetrachloroethene	8.29	164	69668	20.139	ug/l	97
65) Chlorobenzene	9.93	112	187857	21.720	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	81425	22.686	ug/l	92
67) Ethyl Benzene	10.03	91	356667	22.304	ug/l	99
68) m/p-Xylenes	10.26	106	241541	43.719	ug/l	97
69) o-Xylene	10.82	106	130508	21.060	ug/l	92
70) Styrene	10.89	104	190343	21.780	ug/l	98
71) Bromoform	10.88	173	40894	20.745	ug/l	91
73) Isopropylbenzene	11.22	105	391533	21.995	ug/l	98
74) N-amyl acetate	11.45	43	90047	23.721	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.77	83	66704	21.144	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	49283	21.818	ug/l	91
77) Bromobenzene	11.59	156	82103	21.401	ug/l	98
78) n-propylbenzene	11.68	91	470035	22.143	ug/l	100
79) 2-Chlorotoluene	11.80	91	273801	22.802	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	333708	23.288	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	31124	26.073	ug/l	98
82) 4-Chlorotoluene	11.98	91	270389	22.403	ug/l	99
83) tert-Butylbenzene	12.21	119	324054	22.309	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	321853	22.120	ug/l	95
85) sec-Butylbenzene	12.38	105	450388	21.937	ug/l	98
86) p-Isopropyltoluene	12.53	119	370575	23.169	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	157603	21.984	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	155286	21.915	ug/l	97
89) n-Butylbenzene	12.91	91	408074	23.650	ug/l	99
90) Hexachloroethane	12.99	117	98091	24.132	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	154576	22.603	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	13057	22.044	ug/l	86

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration

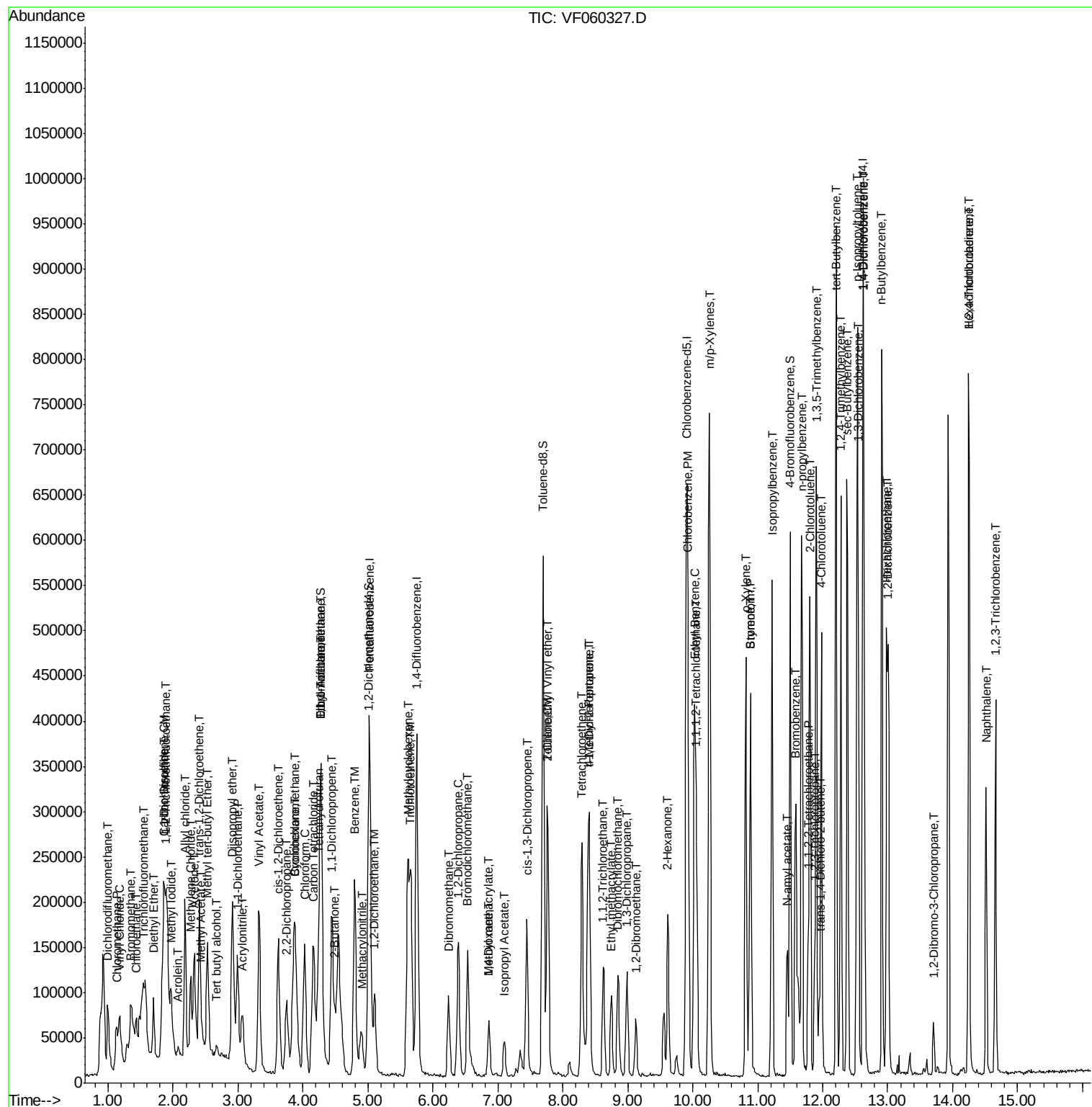
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	116663	23.471	ug/l	96
94) Hexachlorobutadiene	14.25	225	77983	23.208	ug/l	98
95) Naphthalene	14.51	128	206054	23.645	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	104879	22.835	ug/l	97

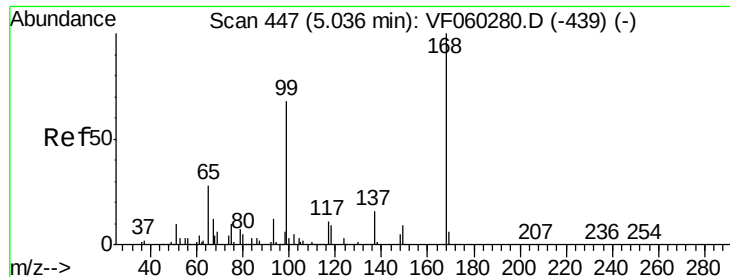
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 25 Sep 2018 16:21
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ALS Vial : 33 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

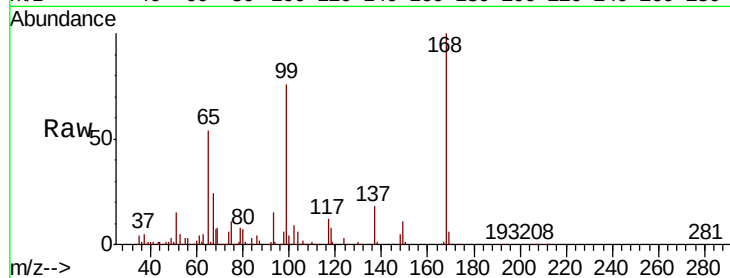
VF0925SBS01

Tgt Ion:168 Resp: 254611

Ion Ratio Lower Upper

168 100

99 75.6 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

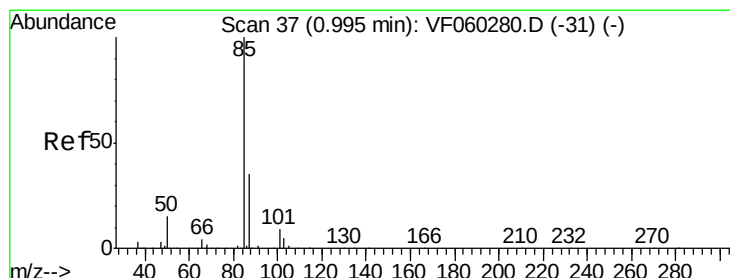
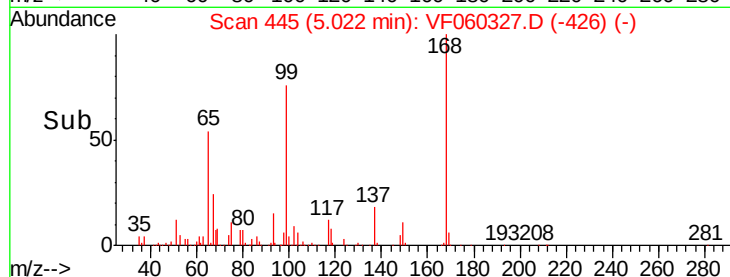
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 26.784 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060327.D

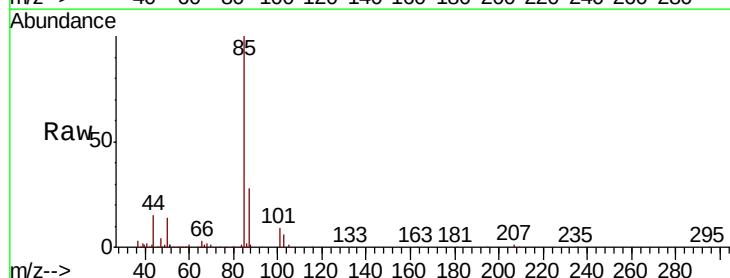
Acq: 25 Sep 2018 16:21

Tgt Ion: 85 Resp: 113158

Ion Ratio Lower Upper

85 100

87 28.4 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

40000

30000

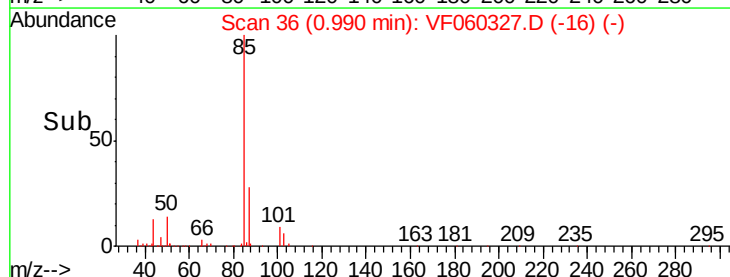
20000

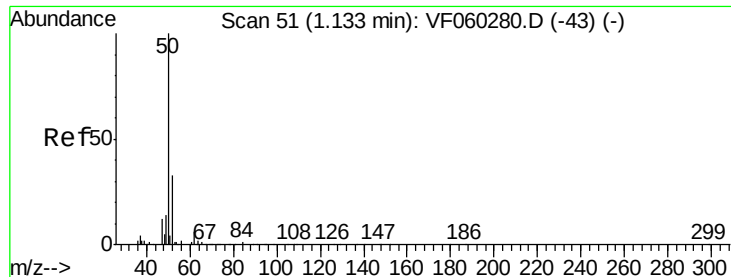
10000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 21.909 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

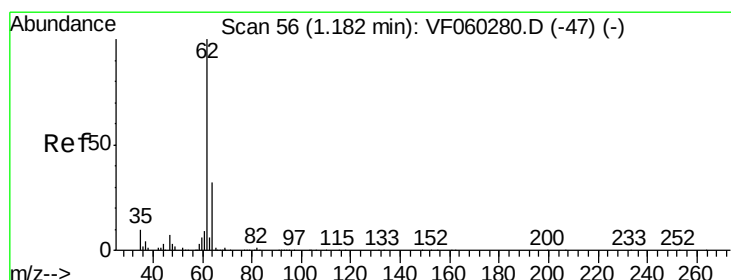
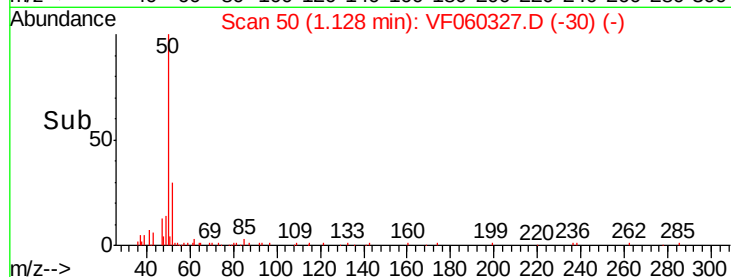
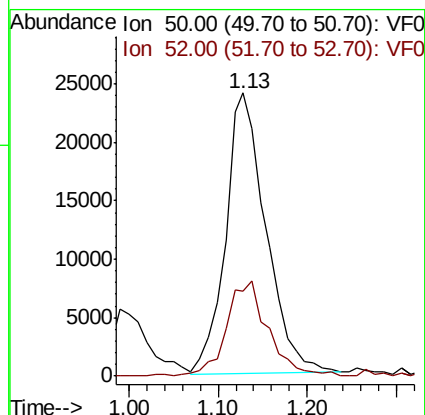
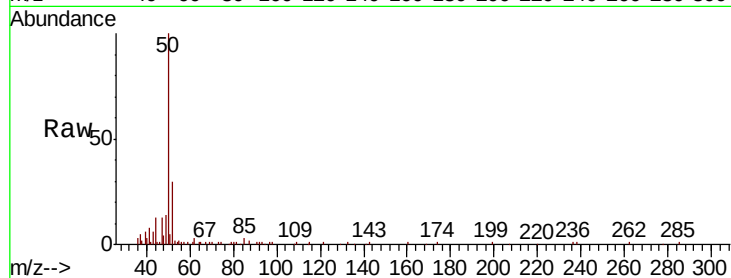
VF0925SBSD01

Tgt Ion: 50 Resp: 76015

Ion Ratio Lower Upper

50 100

52 30.2 26.5 39.7



#4

Vinyl Chloride

Concen: 22.281 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060327.D

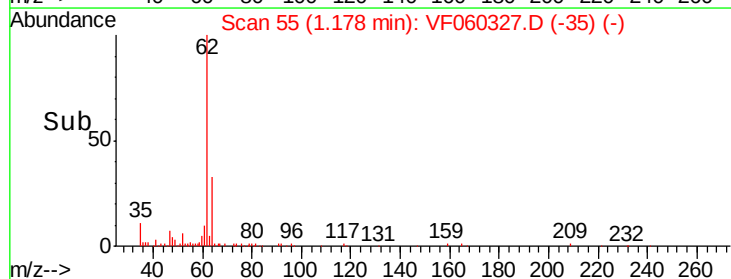
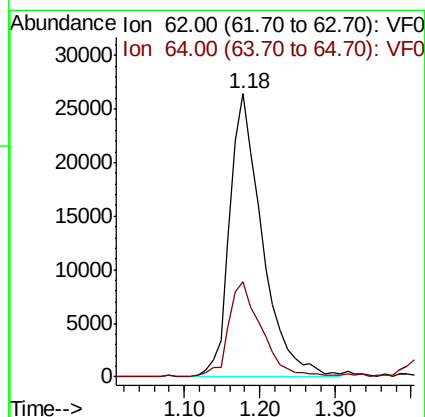
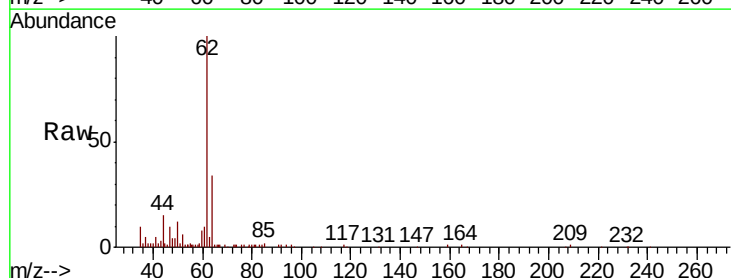
Acq: 25 Sep 2018 16:21

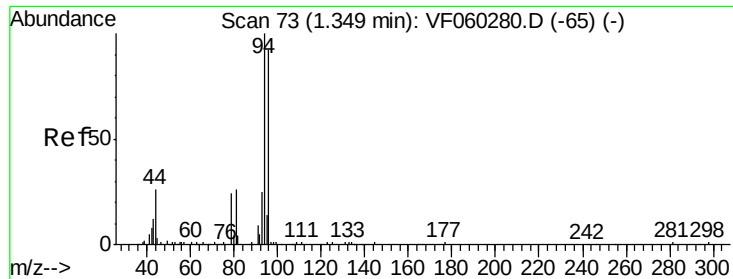
Tgt Ion: 62 Resp: 78787

Ion Ratio Lower Upper

62 100

64 33.6 25.2 37.8





#5

Bromomethane

Concen: 23.823 ug/l

RT: 1.36 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

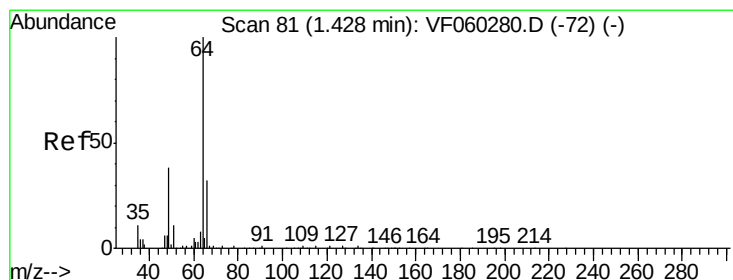
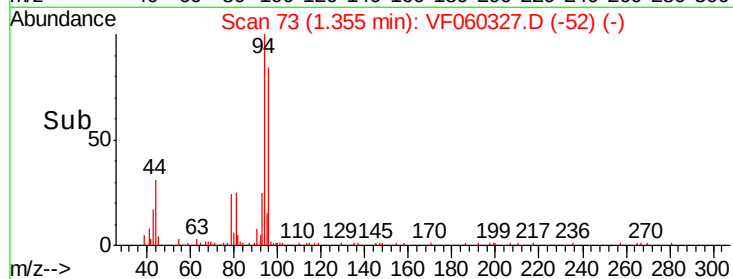
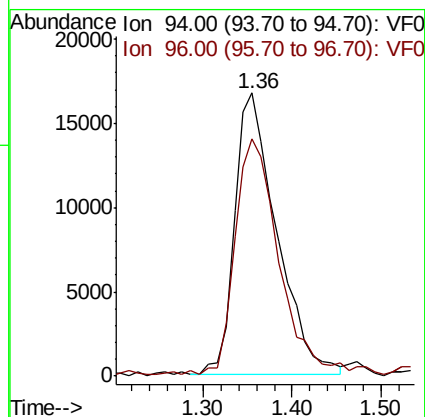
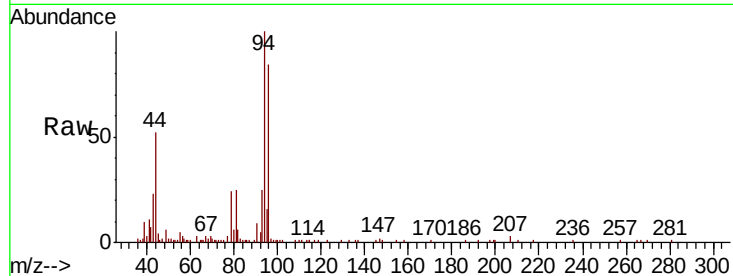
VF0925SBSD01

Tgt Ion: 94 Resp: 54837

Ion Ratio Lower Upper

94 100

96 83.9 73.9 110.9



#6

Chloroethane

Concen: 21.030 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060327.D

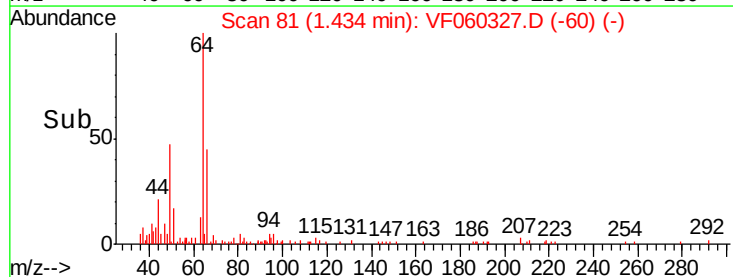
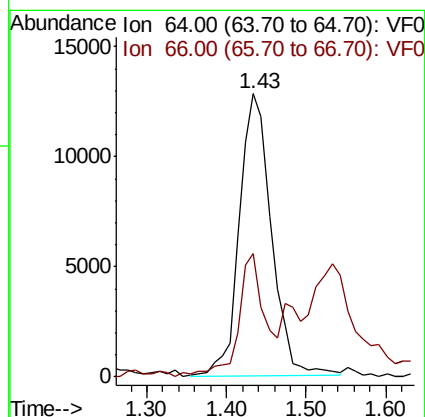
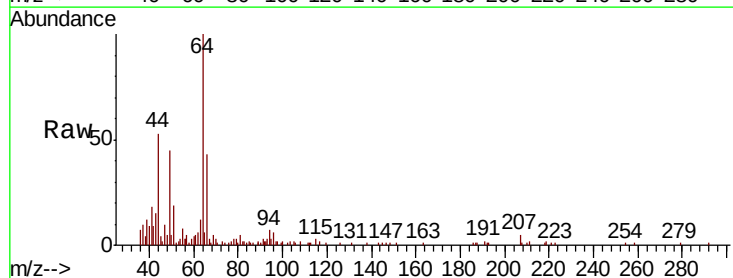
Acq: 25 Sep 2018 16:21

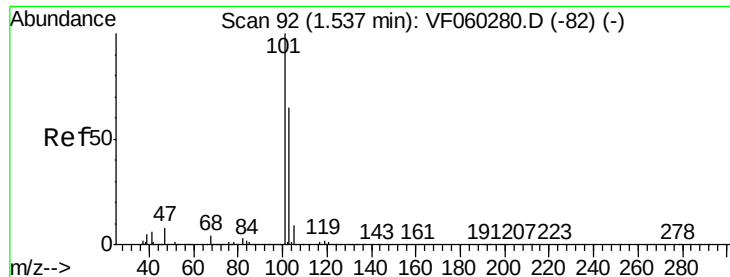
Tgt Ion: 64 Resp: 35415

Ion Ratio Lower Upper

64 100

66 43.4 26.2 39.2#





#7

Trichlorofluoromethane

Concen: 24.843 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF060327.D

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ClientSampleId :

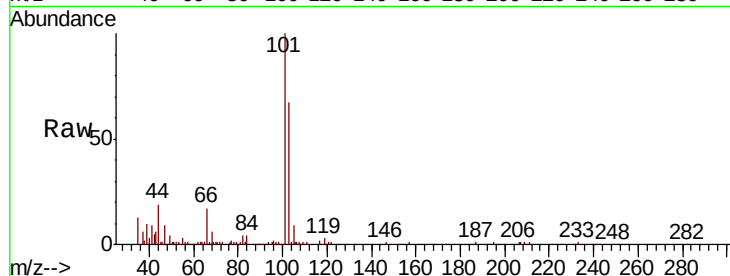
VF0925SBSD01

Tgt Ion:101 Resp: 163662

Ion Ratio Lower Upper

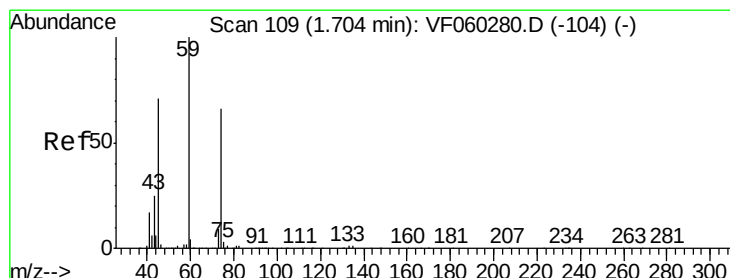
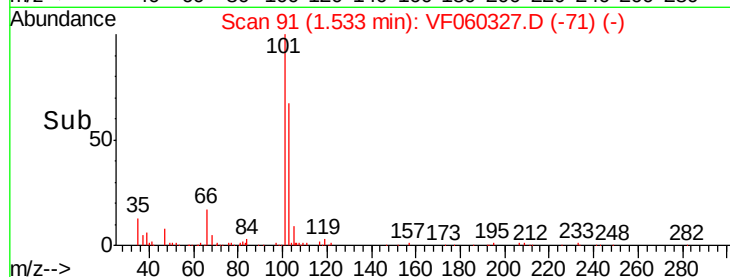
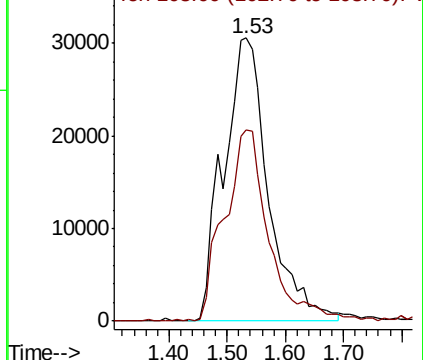
101 100

103 67.4 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.032 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.00 min

Lab File: VF060327.D

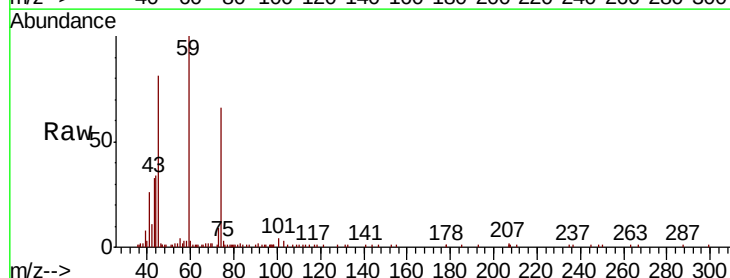
Acq: 25 Sep 2018 16:21

Tgt Ion: 74 Resp: 21956

Ion Ratio Lower Upper

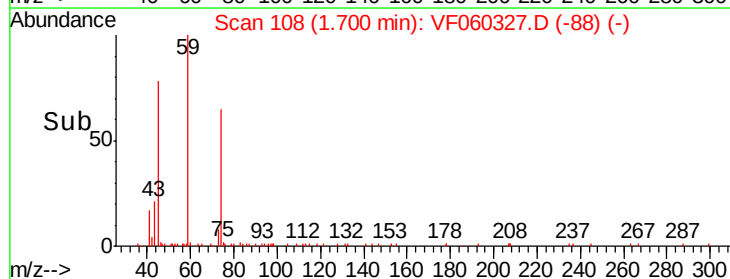
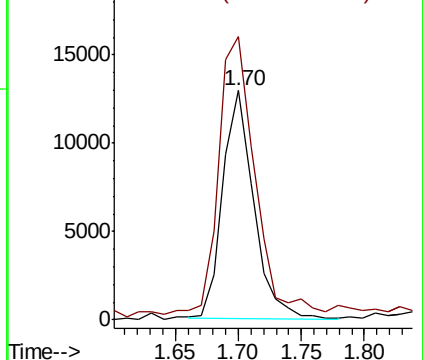
74 100

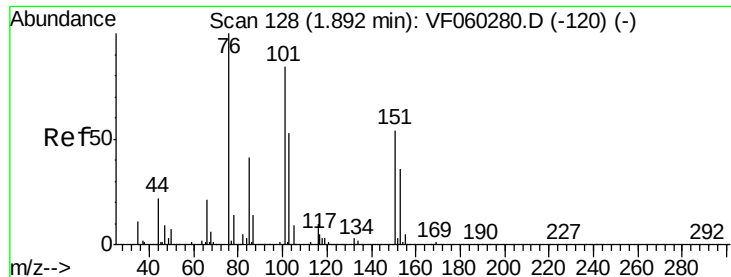
45 123.3 53.9 161.7



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: 22.828 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

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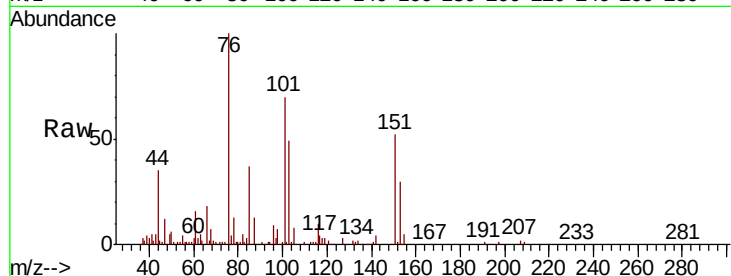
Tgt Ion:101 Resp: 79979

Ion Ratio Lower Upper

101 100

85 53.6 38.7 58.1

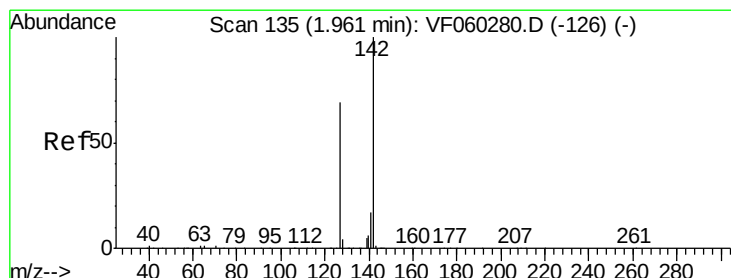
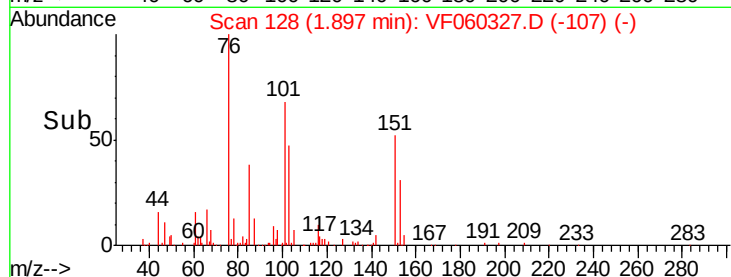
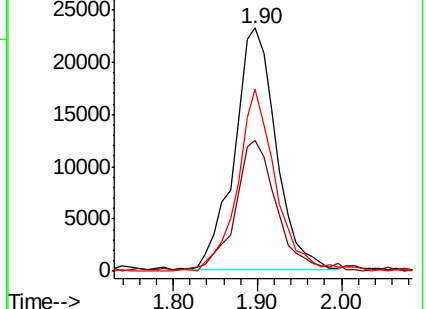
151 74.7 50.8 76.2



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: 22.489 ug/l

RT: 1.97 min Scan# 135

Delta R.T. 0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

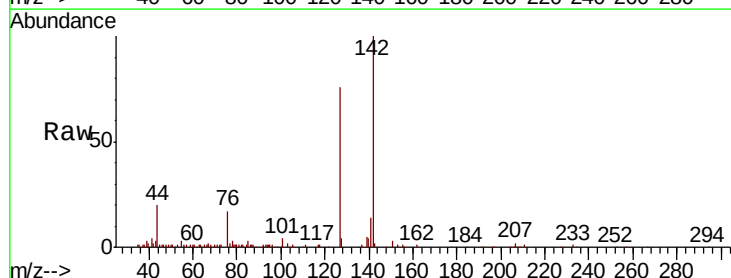
Tgt Ion:142 Resp: 127057

Ion Ratio Lower Upper

142 100

127 80.3 55.4 83.0

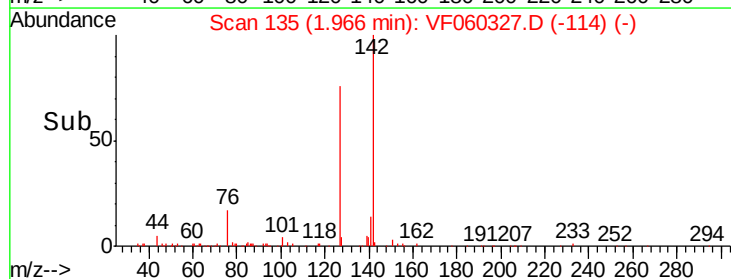
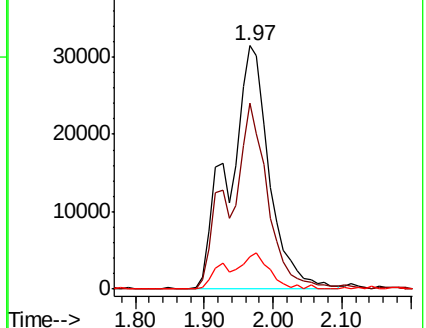
141 13.6 13.3 19.9

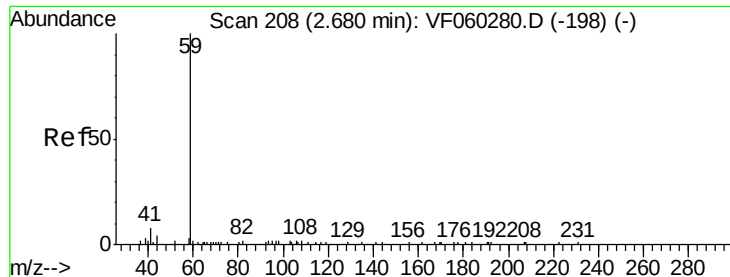


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

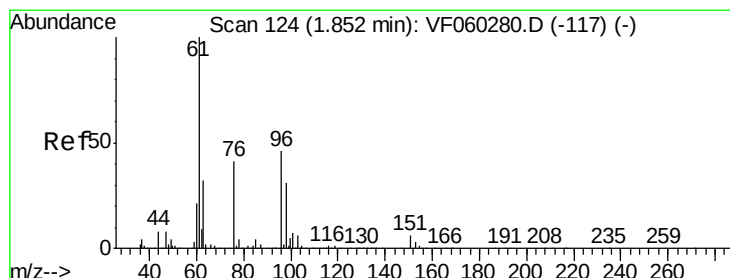
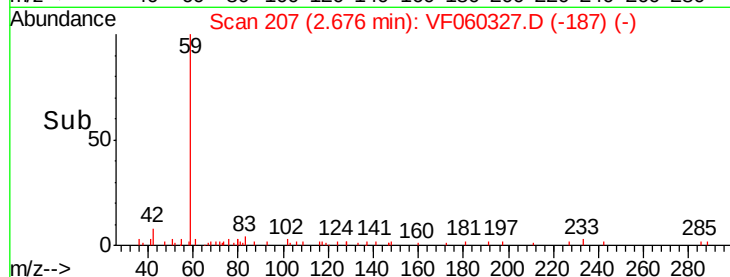
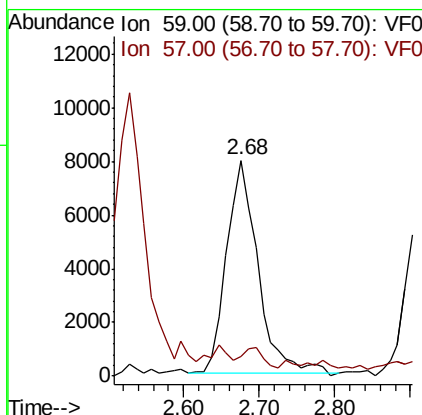
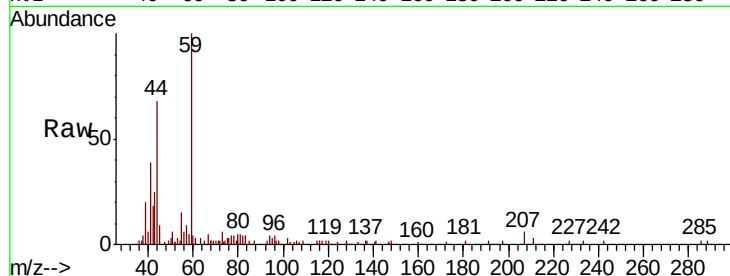




#11
Tert butyl alcohol
Concen: 109.008 ug/l
RT: 2.68 min Scan# 207
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

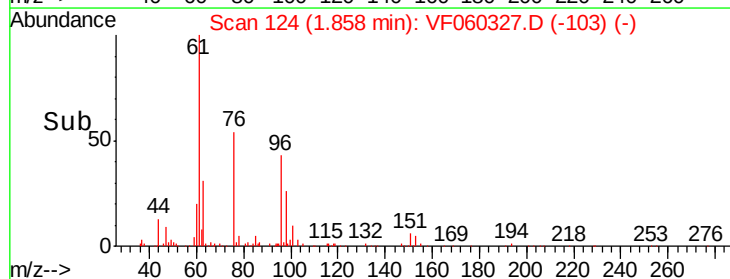
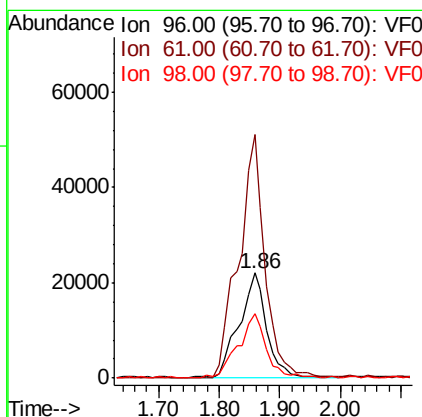
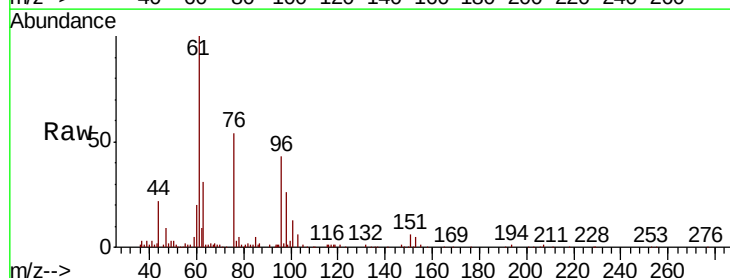
Instrument :
MSVOA_F
ClientSampleId :
VF0925SBSD01

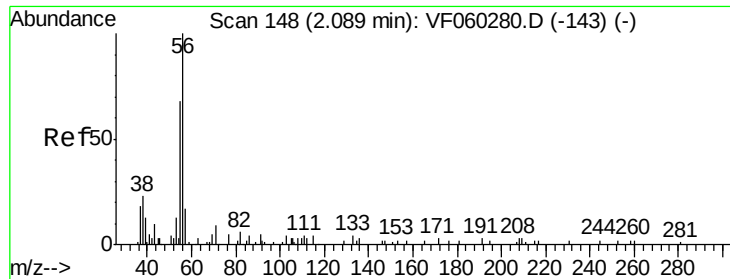
Tgt Ion: 59 Resp: 22661
Ion Ratio Lower Upper
59 100
57 9.3 12.4 18.6#



#12
1,1-Dichloroethene
Concen: 24.528 ug/l
RT: 1.86 min Scan# 124
Delta R.T. 0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion: 96 Resp: 71067
Ion Ratio Lower Upper
96 100
61 232.2 172.2 258.2
98 60.9 54.1 81.1

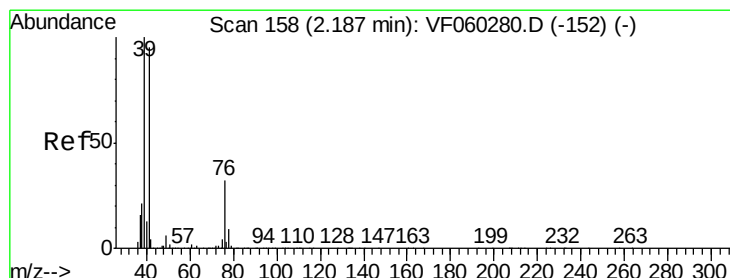
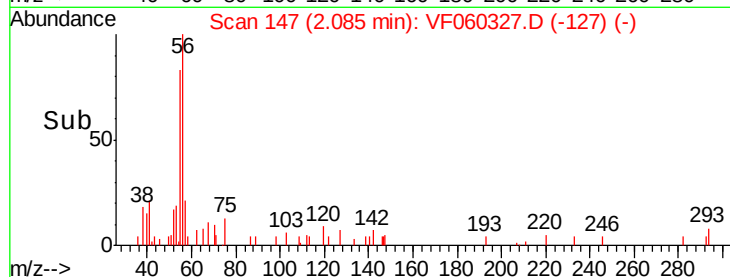
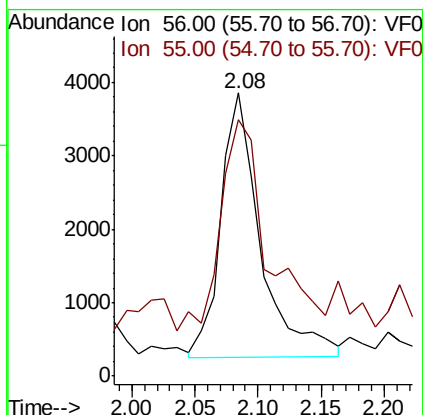
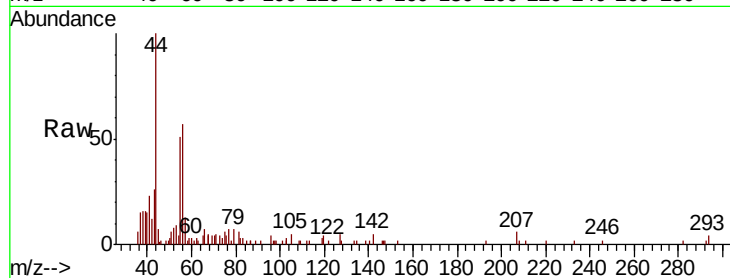




#13
Acrolein
Concen: 72.133 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

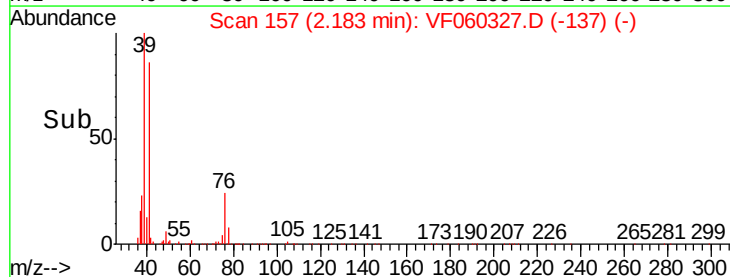
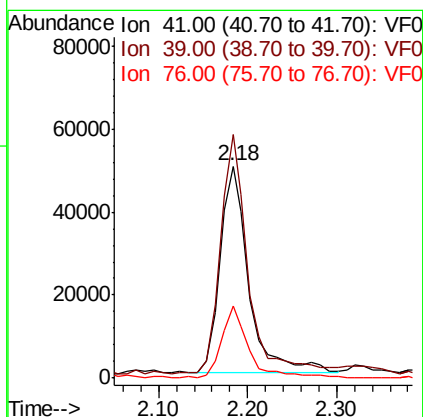
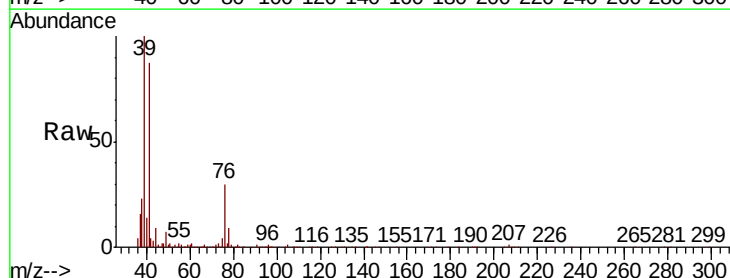
Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

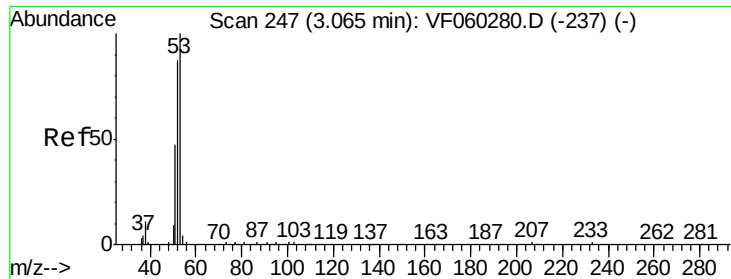
Tgt Ion: 56 Resp: 7850
Ion Ratio Lower Upper
56 100
55 90.5 69.9 104.9



#14
Allyl chloride
Concen: 22.432 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion: 41 Resp: 113422
Ion Ratio Lower Upper
41 100
39 115.0 84.8 127.2
76 34.1 27.4 41.2





#15

Acrylonitrile

Concen: 95.901 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

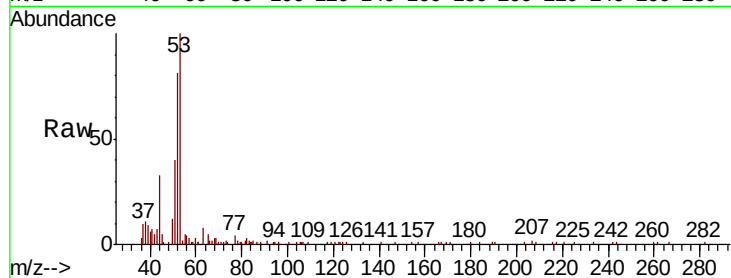
Tgt Ion: 53 Resp: 46436

Ion Ratio Lower Upper

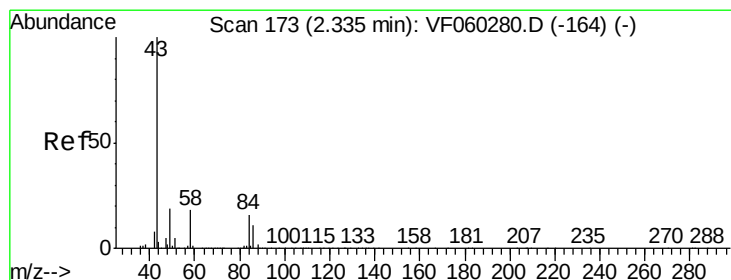
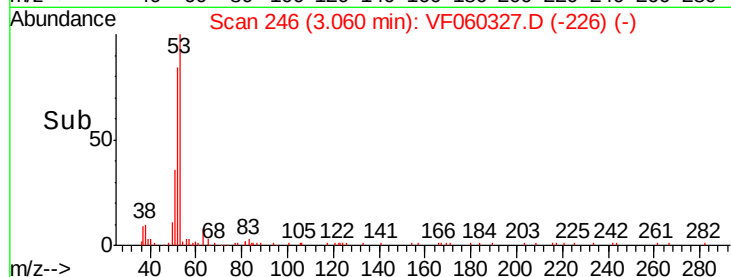
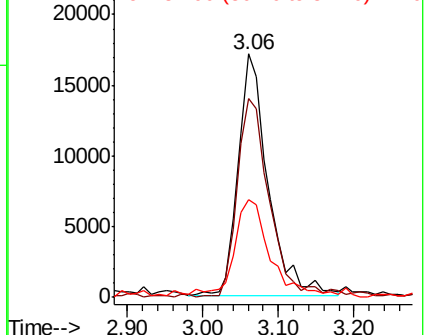
53 100

52 81.5 69.5 104.3

51 40.0 38.1 57.1



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: 101.636 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.00 min

Lab File: VF060327.D

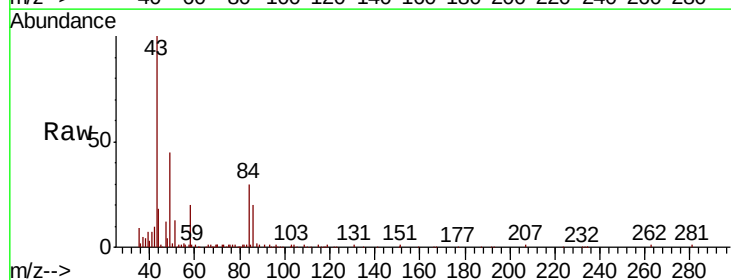
Acq: 25 Sep 2018 16:21

Tgt Ion: 43 Resp: 98131

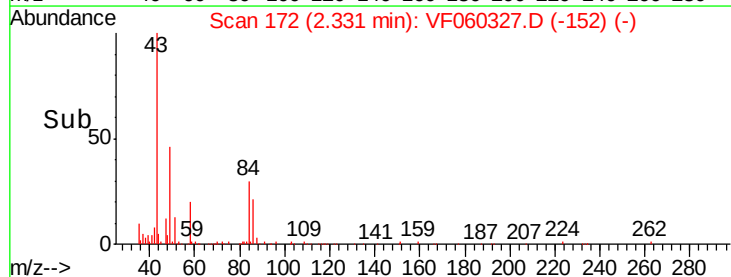
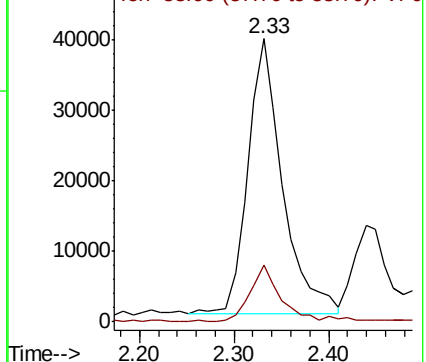
Ion Ratio Lower Upper

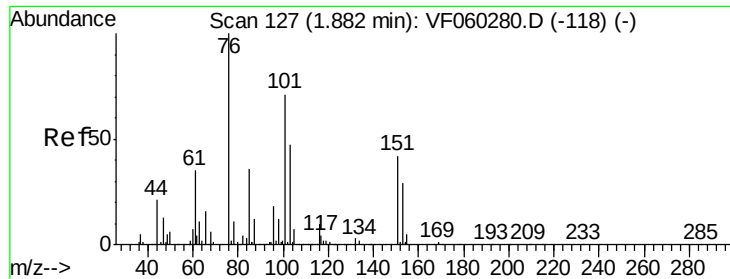
43 100

58 20.0 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

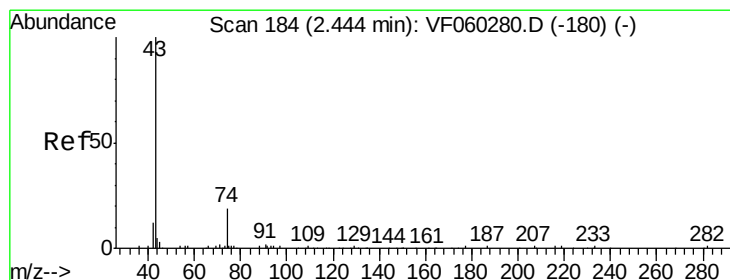
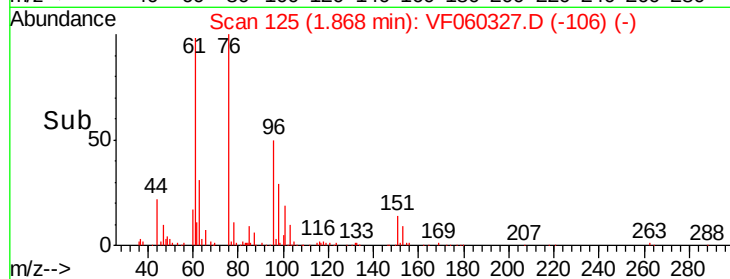
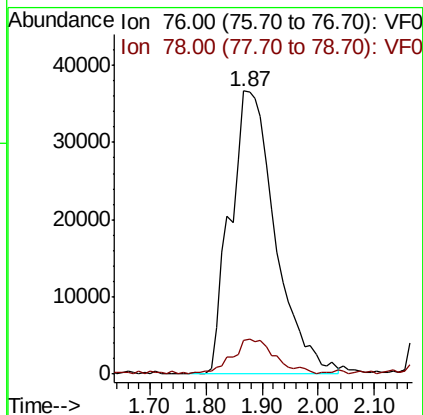
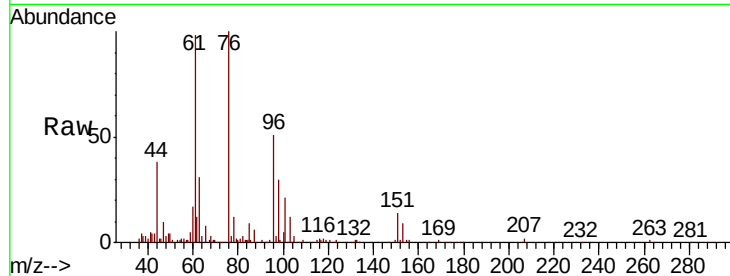




#17
Carbon Disulfide
Concen: 24.575 ug/l
RT: 1.87 min Scan# 125
Delta R.T. -0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

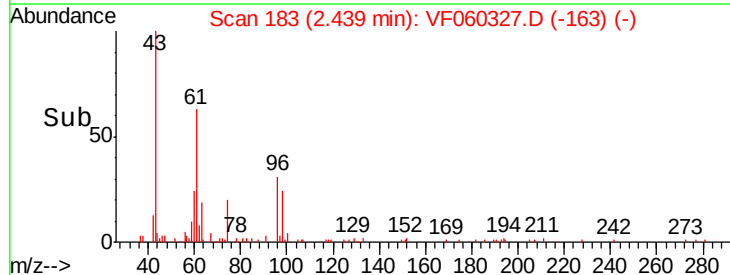
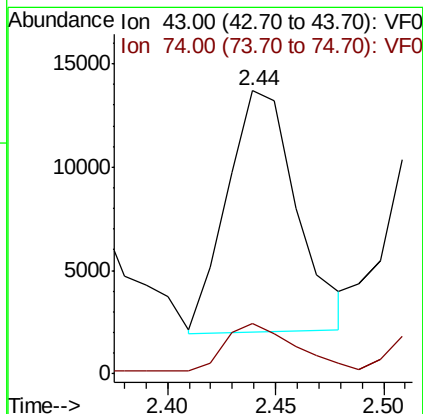
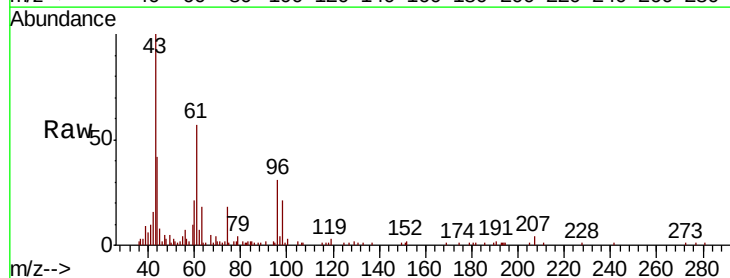
Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

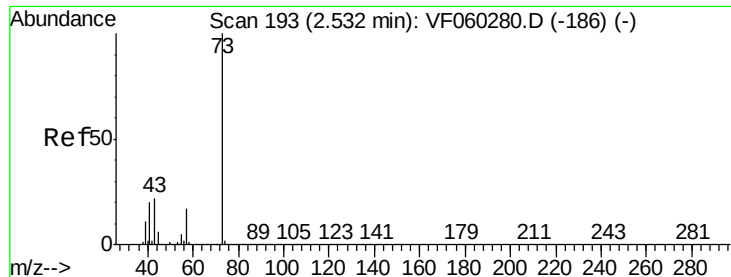
Tgt Ion: 76 Resp: 204416
Ion Ratio Lower Upper
76 100
78 11.8 9.4 14.0



#18
Methyl Acetate
Concen: 16.270 ug/l
RT: 2.44 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion: 43 Resp: 26170
Ion Ratio Lower Upper
43 100
74 17.9 12.7 19.1



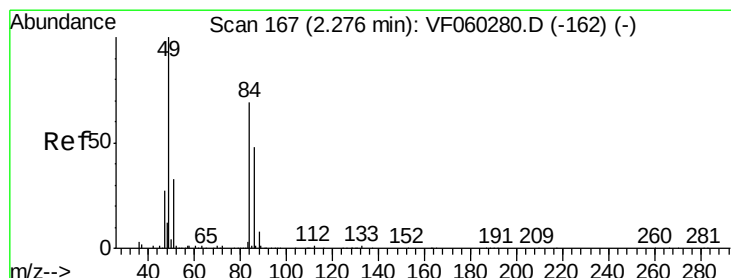
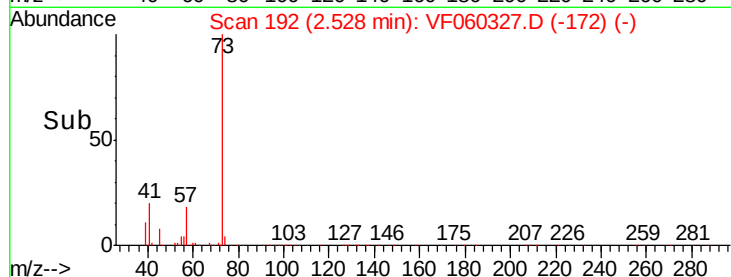
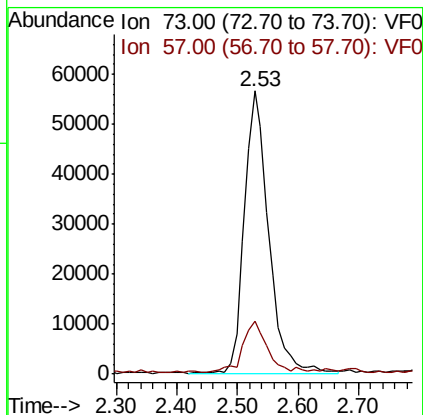
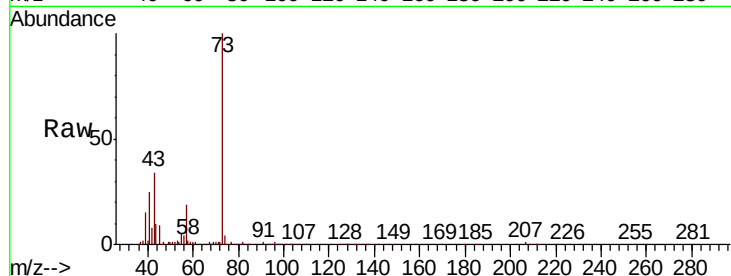


#19

Methyl tert-butyl Ether
 Concen: 21.683 ug/l
 RT: 2.53 min Scan# 192
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBSD01

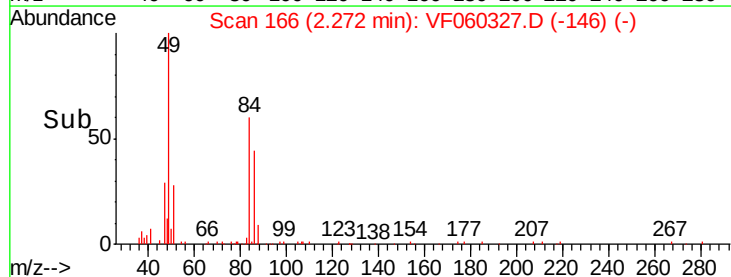
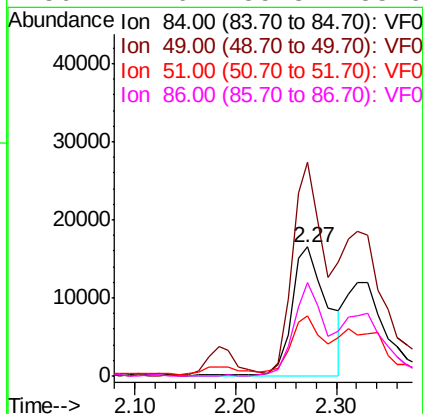
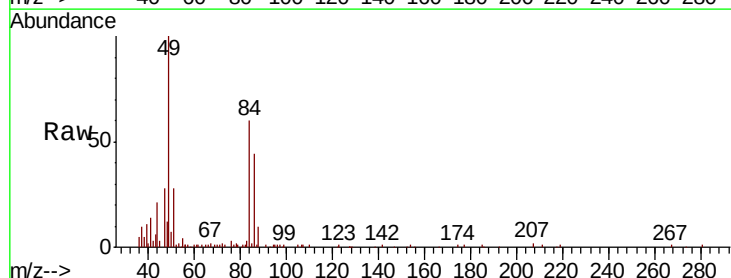
Tgt Ion: 73 Resp: 156624
 Ion Ratio Lower Upper
 73 100
 57 18.6 14.5 21.7

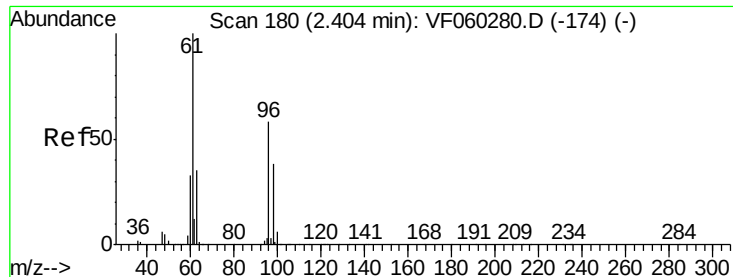


#20

Methylene Chloride
 Concen: 9.748 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion: 84 Resp: 41025
 Ion Ratio Lower Upper
 84 100
 49 165.3 118.3 177.5
 51 46.4 38.7 58.1
 86 72.6 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 22.984 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

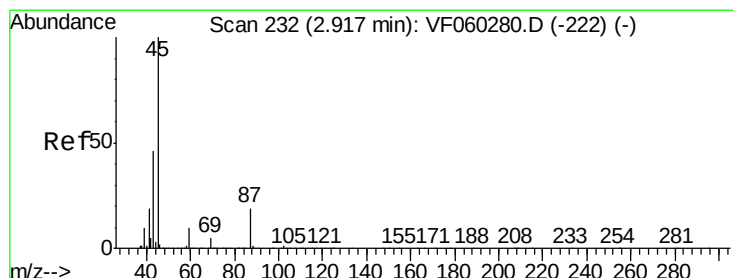
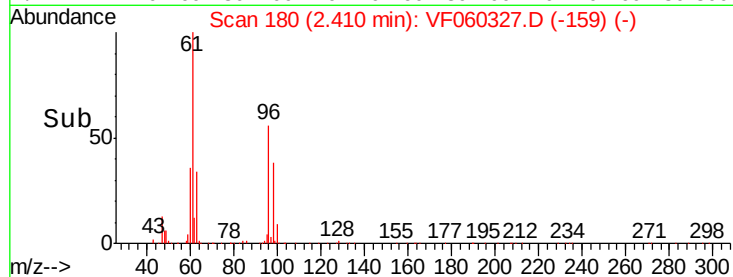
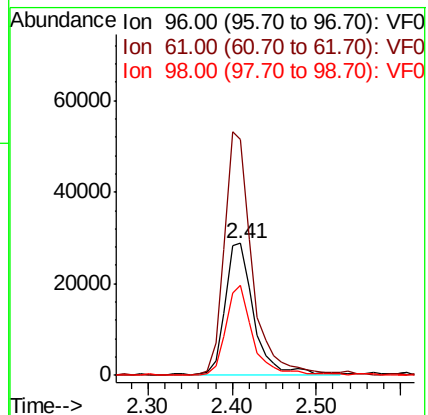
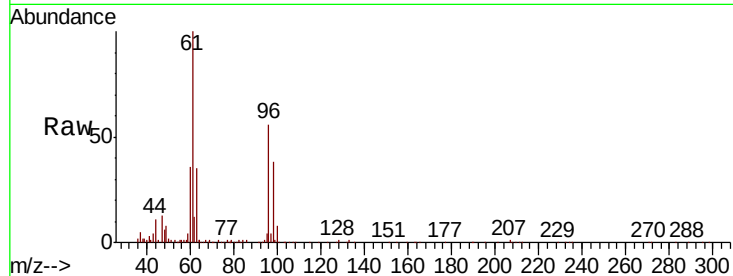
Tgt Ion: 96 Resp: 68781

Ion Ratio Lower Upper

96 100

61 178.5 136.4 204.6

98 67.9 51.8 77.6



#22

Diisopropyl ether

Concen: 22.356 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Tgt Ion: 45 Resp: 213271

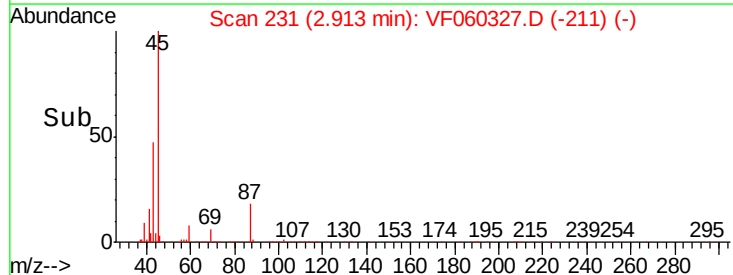
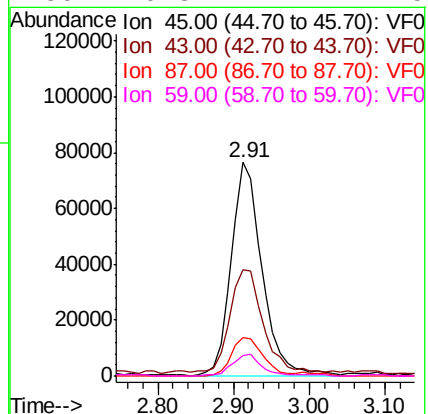
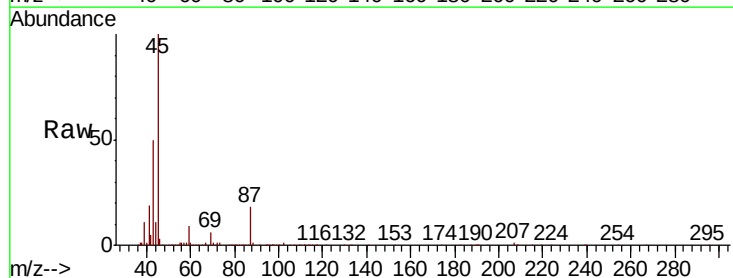
Ion Ratio Lower Upper

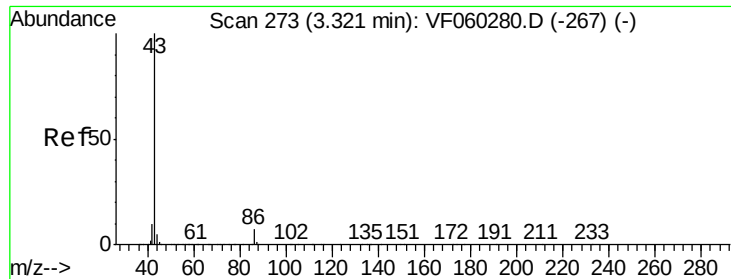
45 100

43 49.5 38.2 57.2

87 18.3 15.5 23.3

59 9.3 7.7 11.5





#23

Vinyl Acetate

Concen: 104.686 ug/l

RT: 3.32 min Scan# 272

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

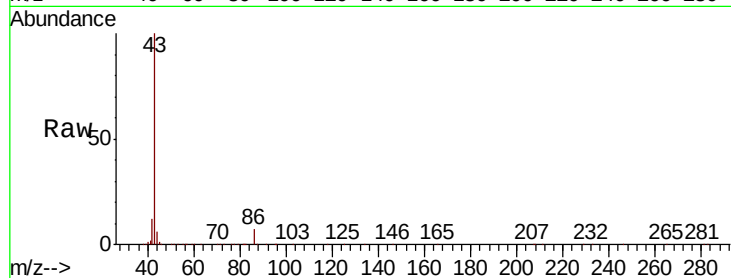
VF0925SBSD01

Tgt Ion: 43 Resp: 392231

Ion Ratio Lower Upper

43 100

86 7.1 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.32

150000

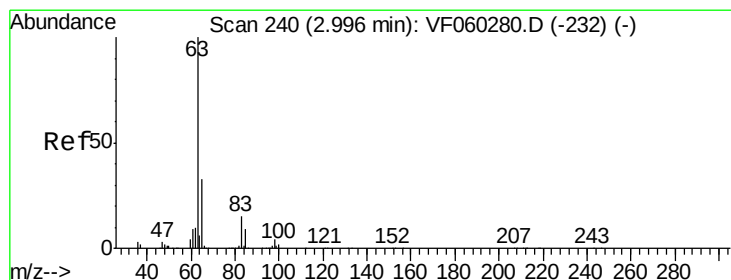
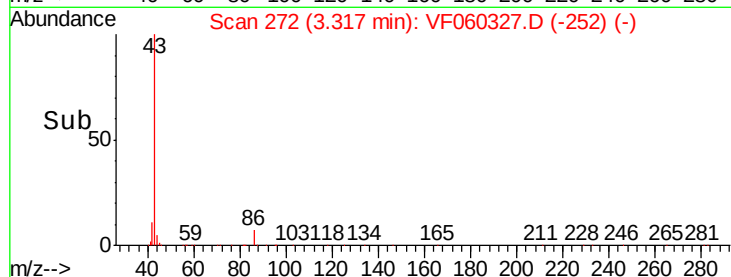
100000

50000

0

Time-->

3.10 3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 22.183 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

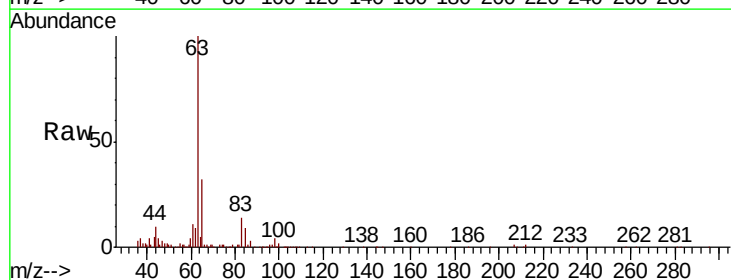
Tgt Ion: 63 Resp: 137242

Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.5

100 2.4 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.99

60000

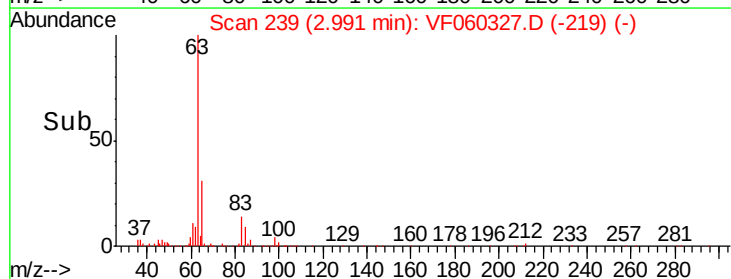
40000

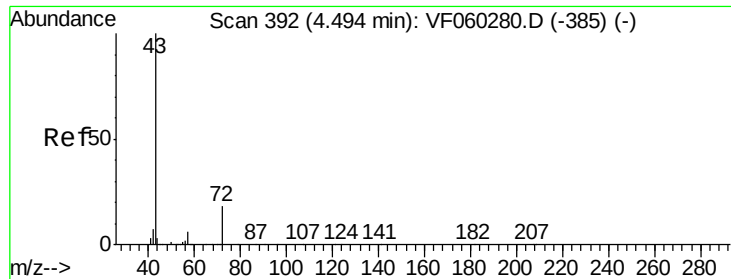
20000

0

Time-->

2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 99.341 ug/l

RT: 4.49 min Scan# 391

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

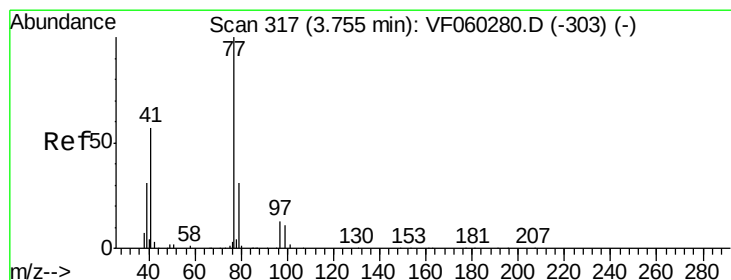
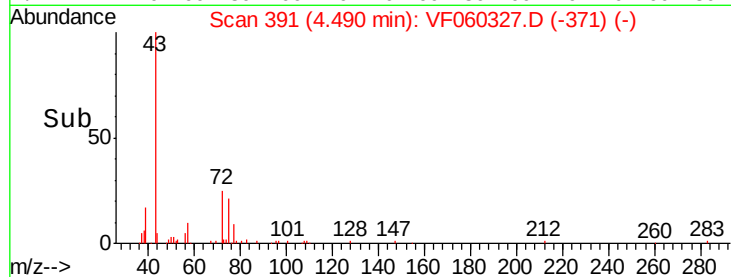
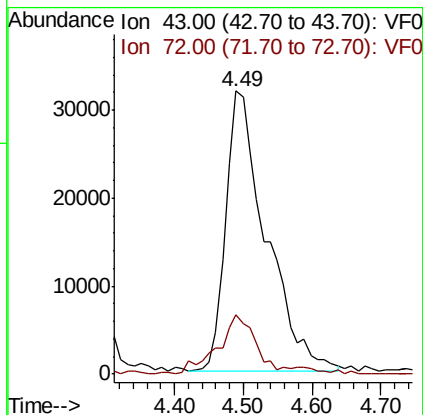
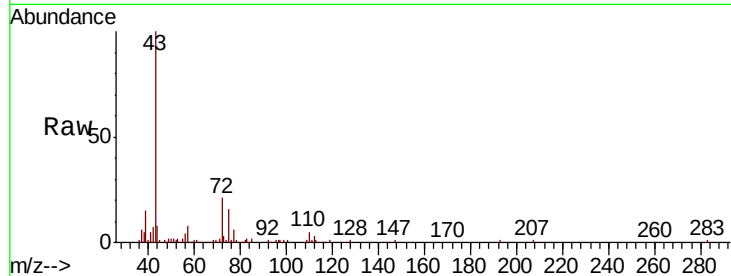
VF0925SBS01

Tgt Ion: 43 Resp: 129102

Ion Ratio Lower Upper

43 100

72 20.8 16.2 24.2



#26

2,2-Dichloropropane

Concen: 23.690 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.00 min

Lab File: VF060327.D

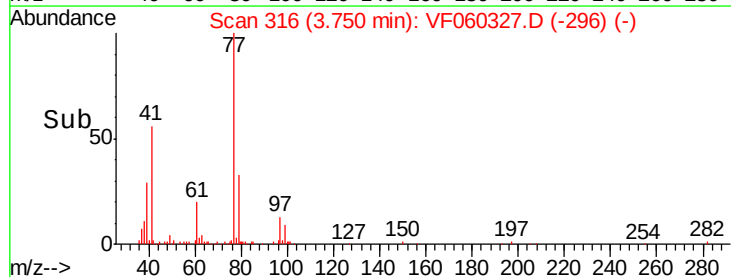
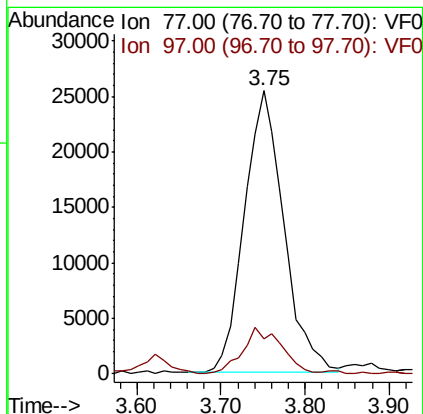
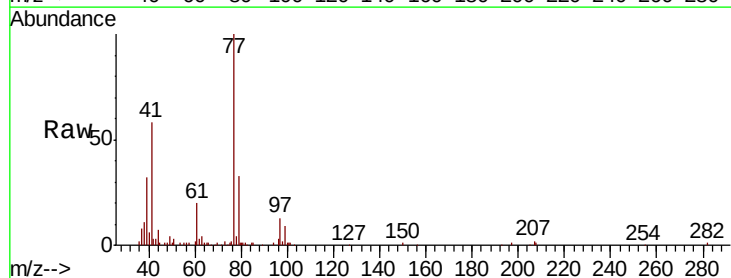
Acq: 25 Sep 2018 16:21

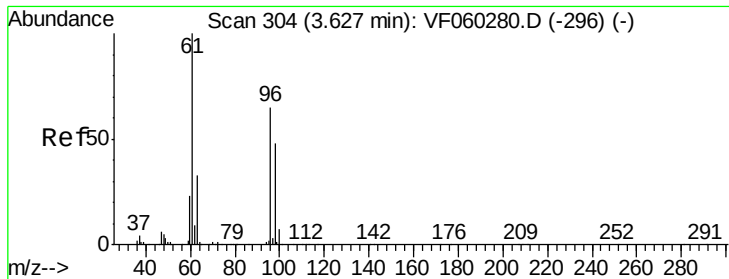
Tgt Ion: 77 Resp: 83626

Ion Ratio Lower Upper

77 100

97 12.5 9.3 27.9



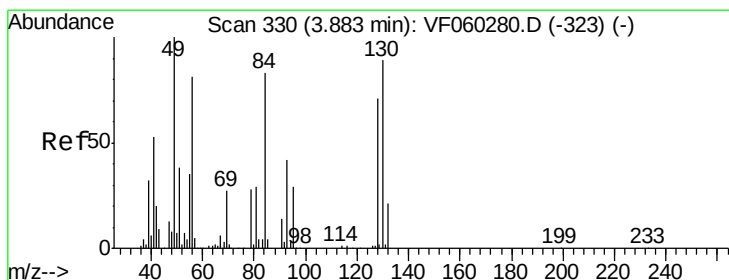
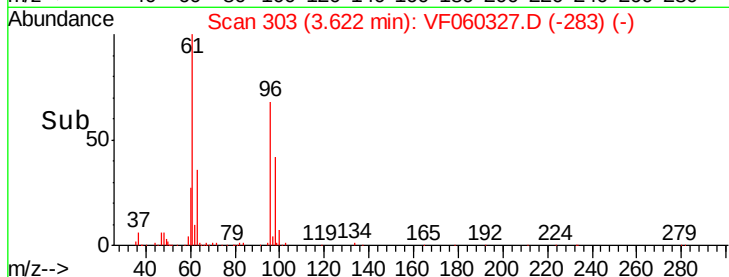
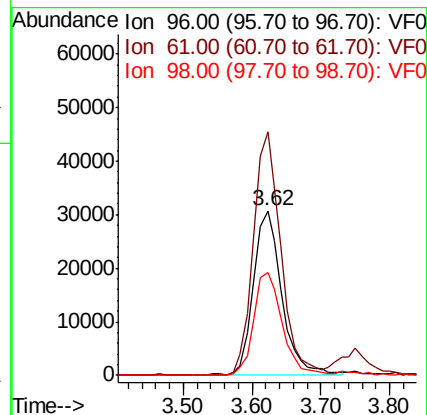
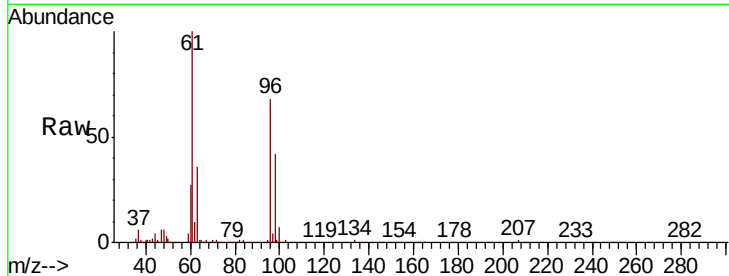


#27

cis-1,2-Dichloroethene
Concen: 22.586 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

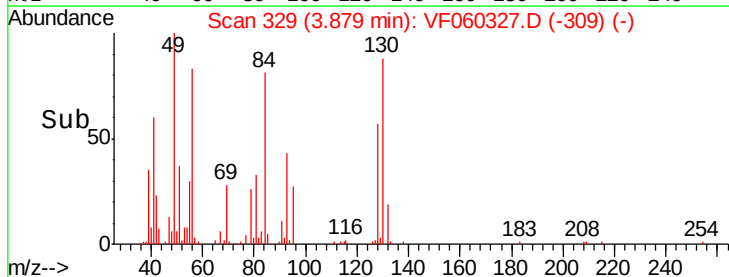
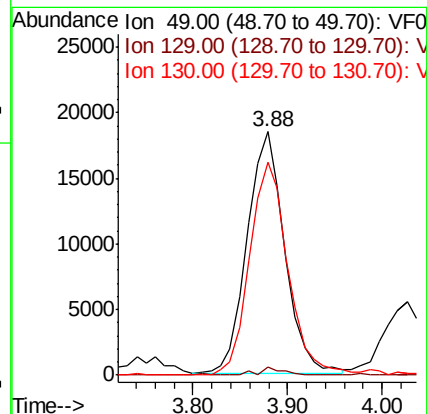
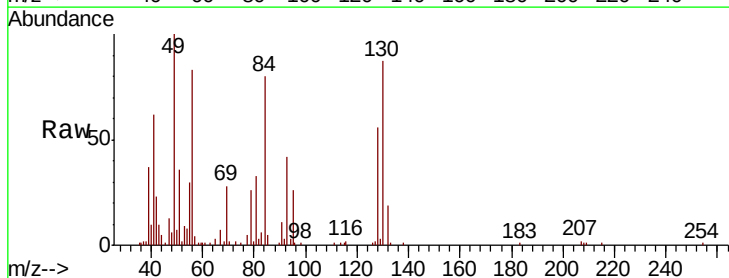
Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	304.8
98	62.4	0.0	146.4

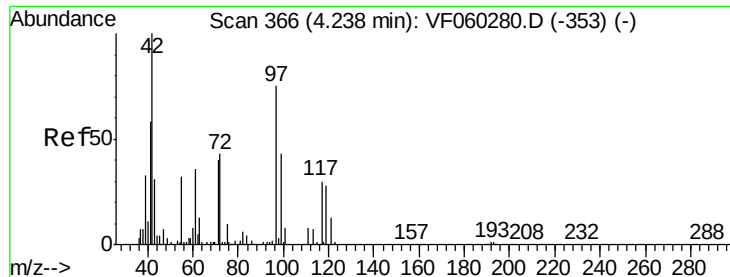


#28

Bromochloromethane
Concen: 20.891 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	4.2
130	87.4	70.3	105.5

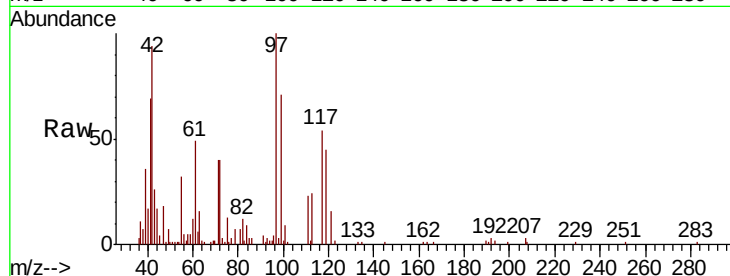




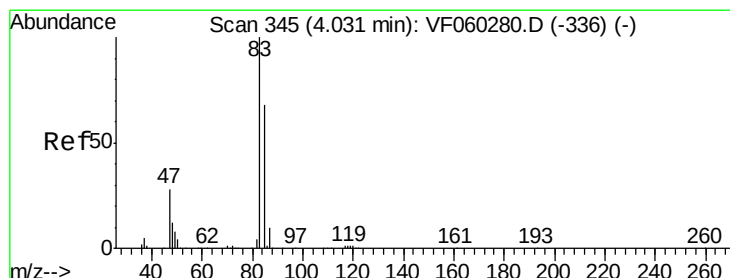
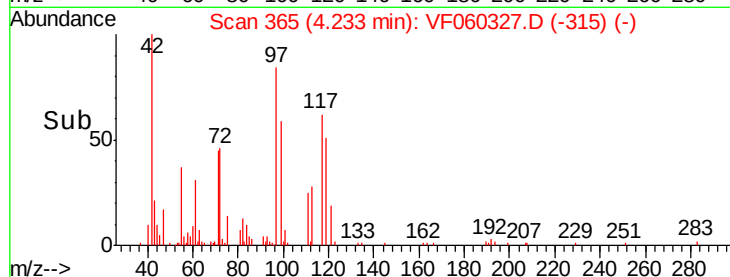
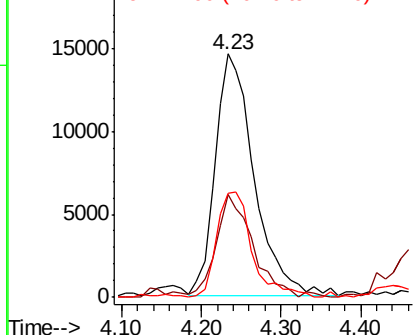
#29
Tetrahydrofuran
Concen: 104.740 ug/l
RT: 4.23 min Scan# 365
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tgt Ion: 42 Resp: 49847
Ion Ratio Lower Upper
42 100
72 39.6 32.6 49.0
71 39.9 32.7 49.1

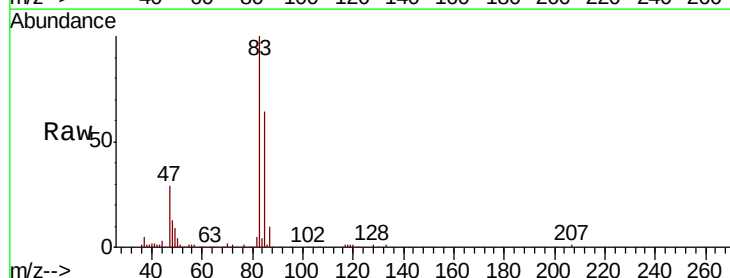


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

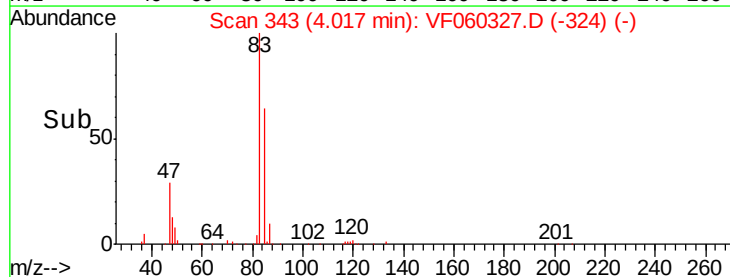
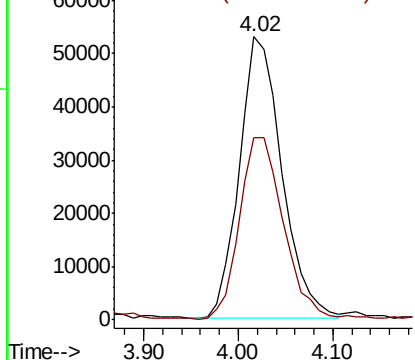


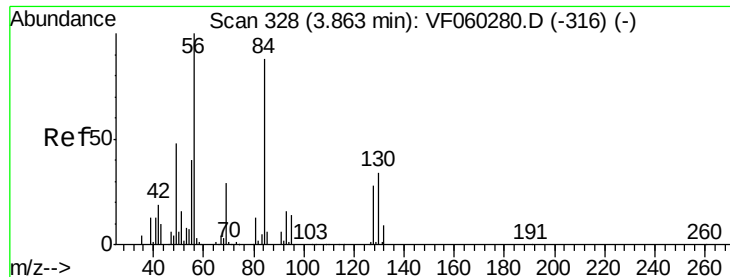
#30
Chloroform
Concen: 22.161 ug/l
RT: 4.02 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion: 83 Resp: 165437
Ion Ratio Lower Upper
83 100
85 64.5 54.9 82.3



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

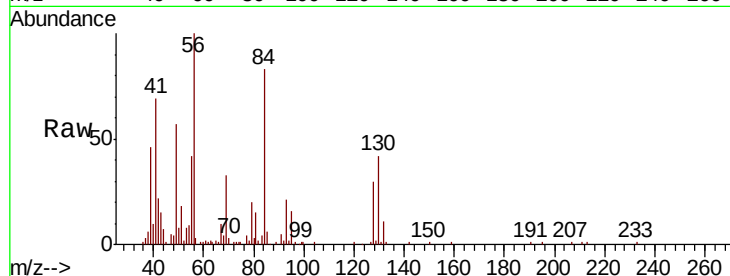




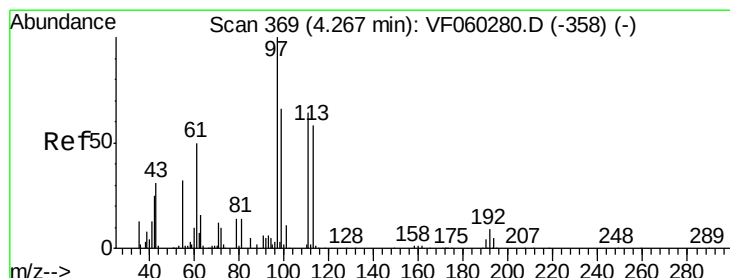
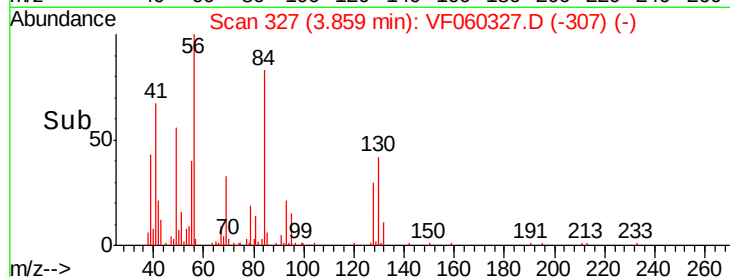
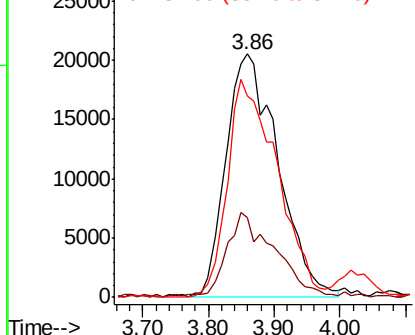
#31
Cyclohexane
Concen: 21.766 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

Tgt Ion: 56 Resp: 113748
Ion Ratio Lower Upper
56 100
69 33.0 23.8 35.6
84 82.6 70.2 105.4

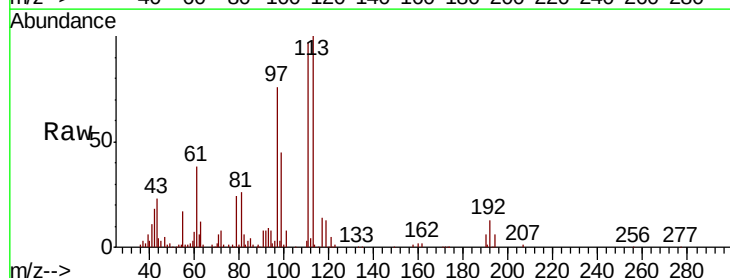


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

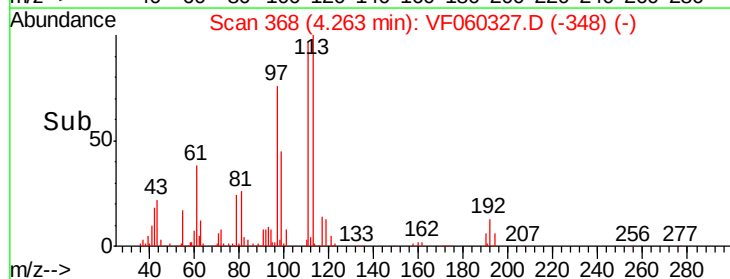
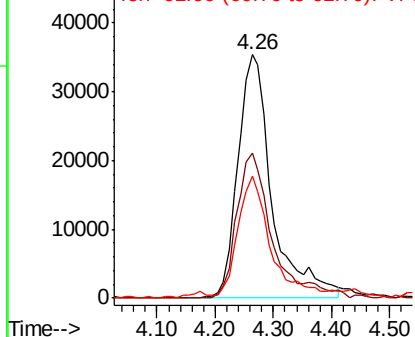


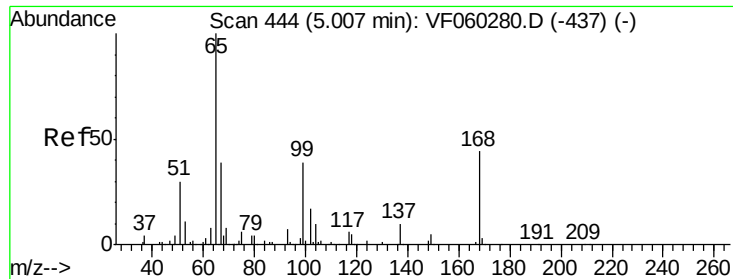
#32
1,1,1-Trichloroethane
Concen: 24.685 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion: 97 Resp: 145405
Ion Ratio Lower Upper
97 100
99 59.4 53.0 79.4
61 50.1 40.6 61.0



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

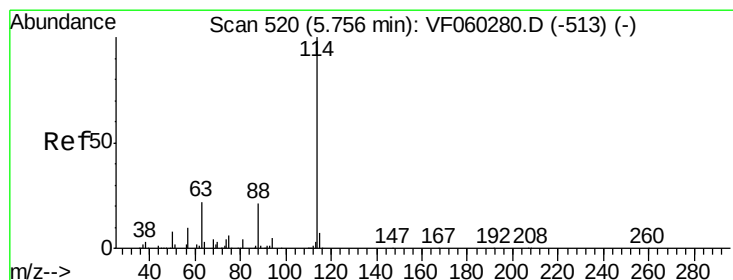
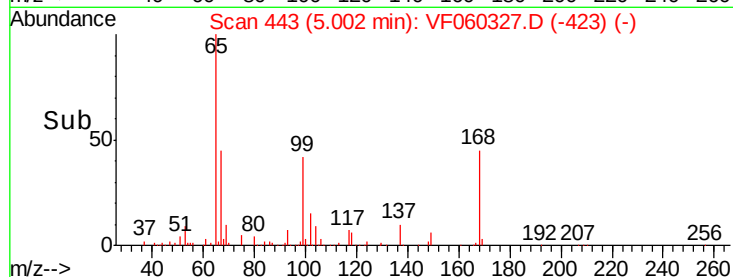
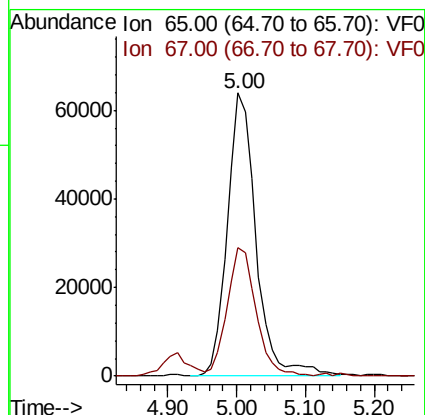
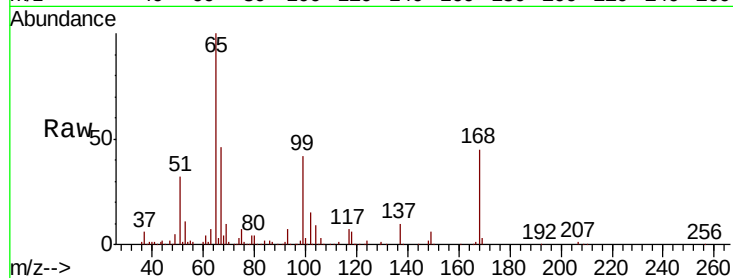




#33
 1,2-Dichloroethane-d4
 Concen: 53.996 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

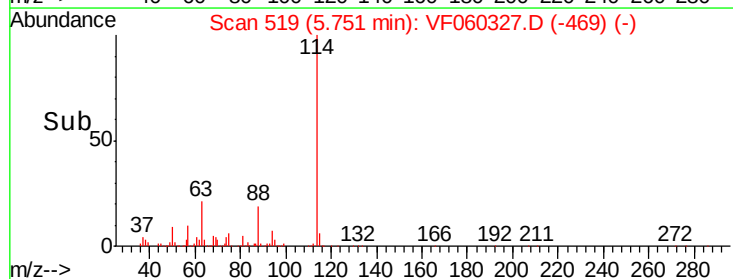
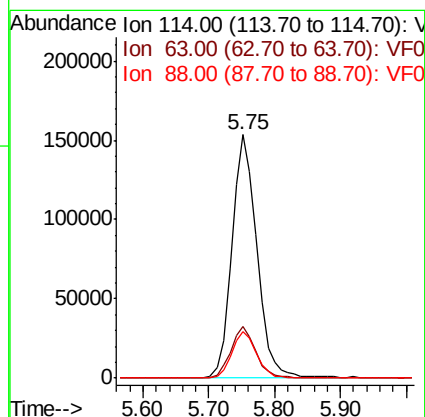
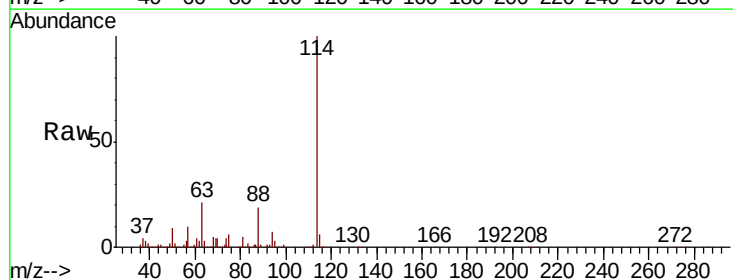
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBSD01

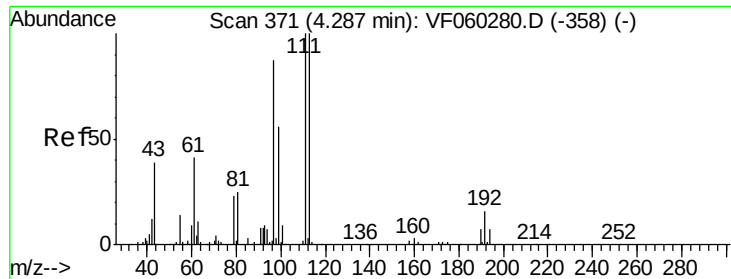
Tgt Ion: 65 Resp: 185122
 Ion Ratio Lower Upper
 65 100
 67 45.6 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion: 114 Resp: 409216
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.8
 88 19.0 0.0 41.2





#35

Dibromofluoromethane

Concen: 53.233 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBSD01

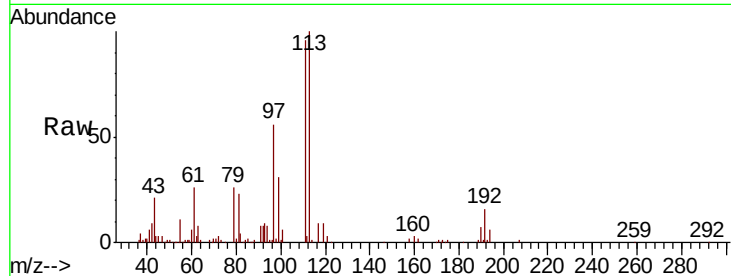
Tgt Ion: 113 Resp: 194187

Ion Ratio Lower Upper

113 100

111 96.0 79.6 119.4

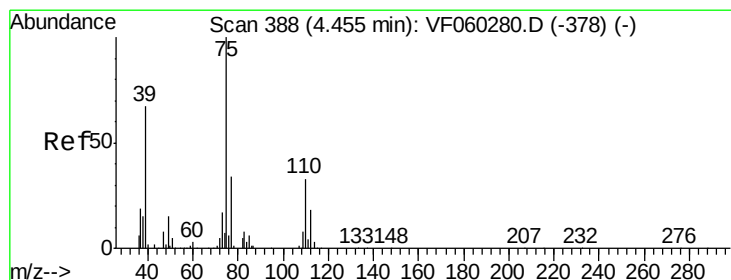
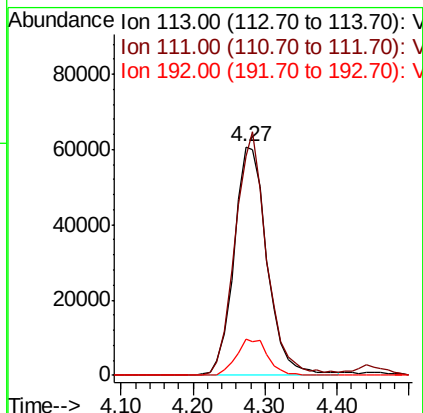
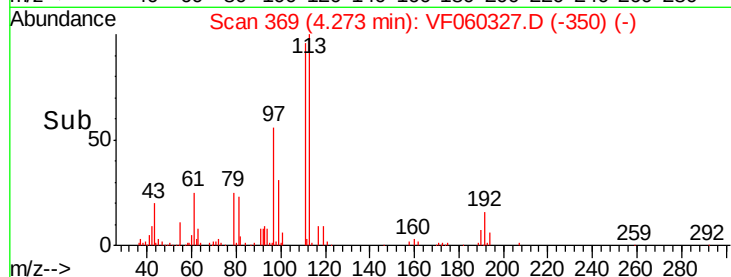
192 15.6 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 23.557 ug/l

RT: 4.44 min Scan# 386

Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

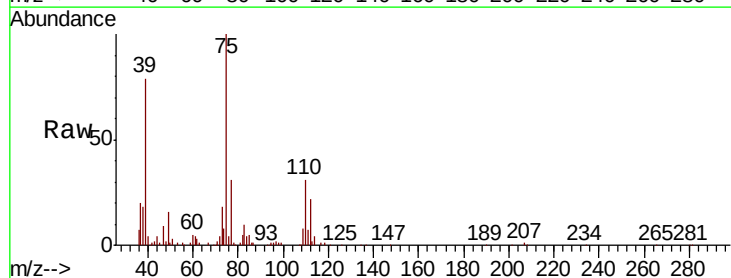
Tgt Ion: 75 Resp: 120245

Ion Ratio Lower Upper

75 100

110 31.4 16.4 49.2

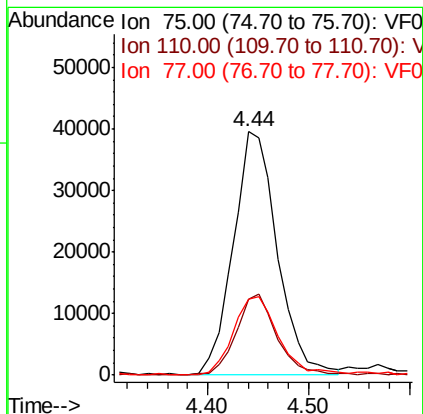
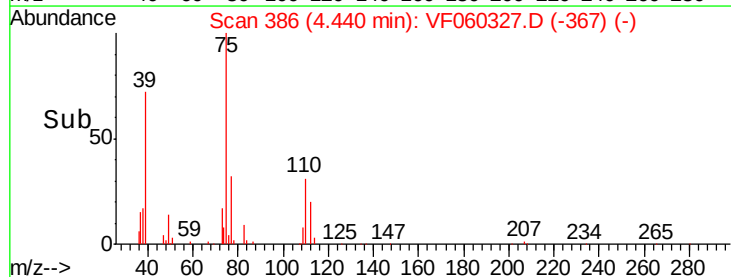
77 31.4 27.3 40.9

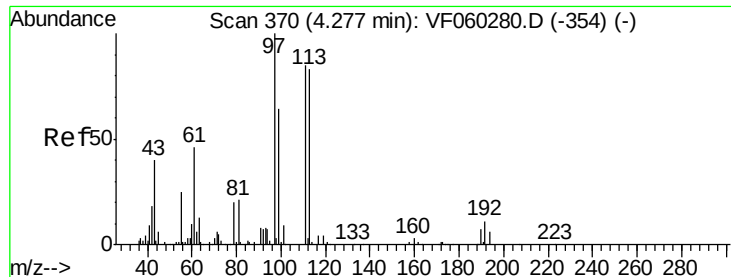


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

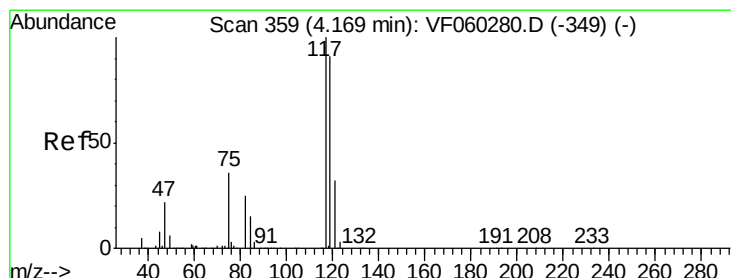
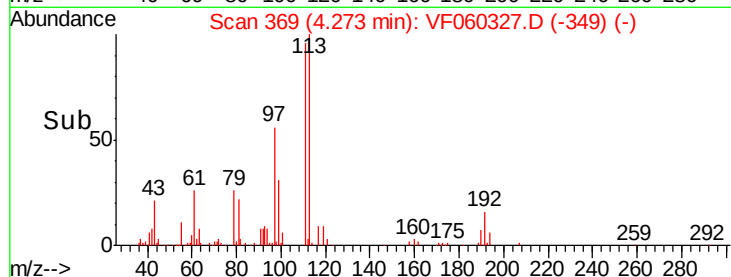
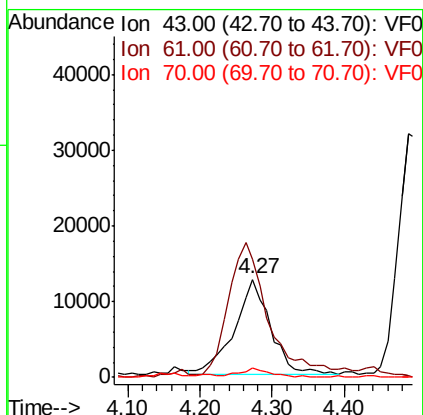
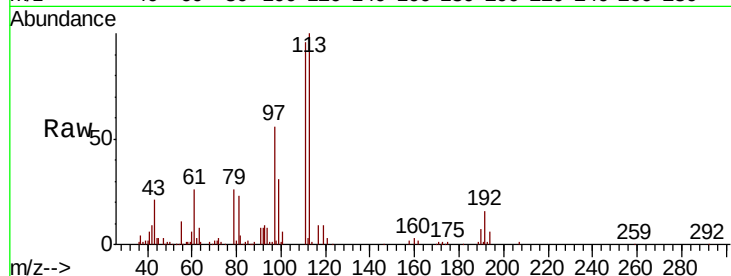




#37
 Ethyl Acetate
 Concen: 20.584 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

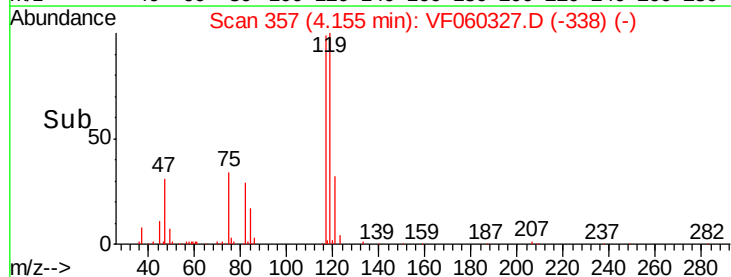
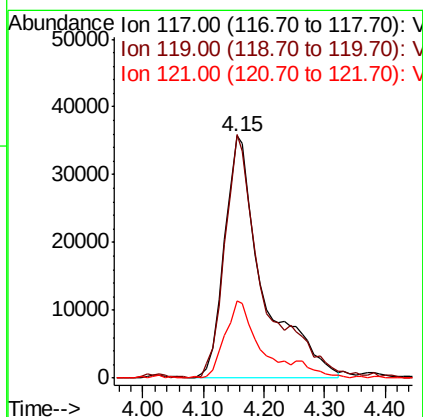
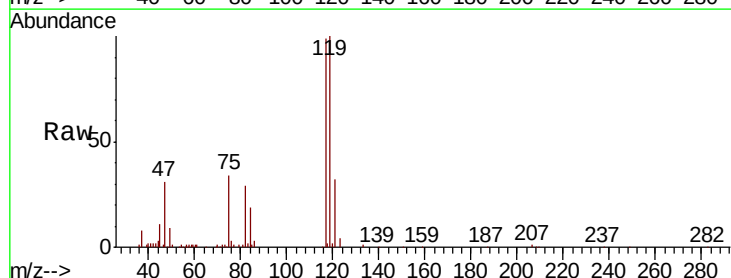
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

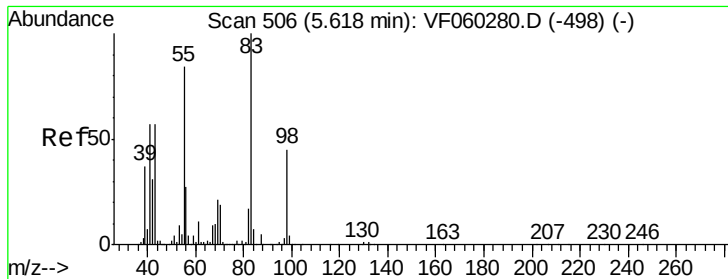
Tgt Ion: 43 Resp: 44458
 Ion Ratio Lower Upper
 43 100
 61 119.8 91.1 136.7
 70 9.3 6.9 10.3



#38
 Carbon Tetrachloride
 Concen: 28.899 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. -0.01 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion: 117 Resp: 158445
 Ion Ratio Lower Upper
 117 100
 119 100.5 73.0 109.6
 121 32.1 25.4 38.2

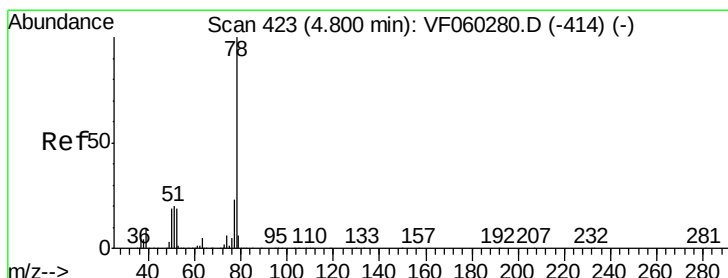
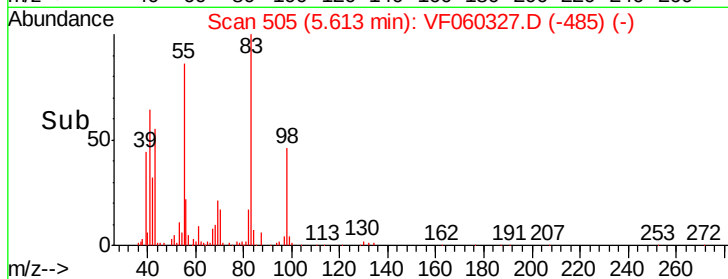
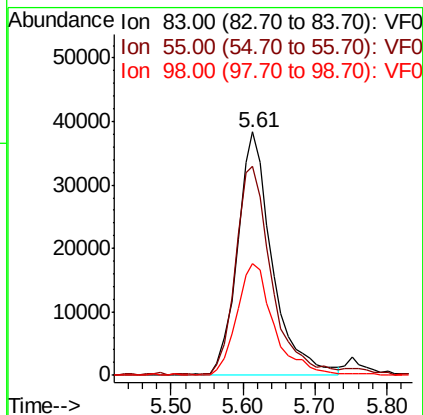
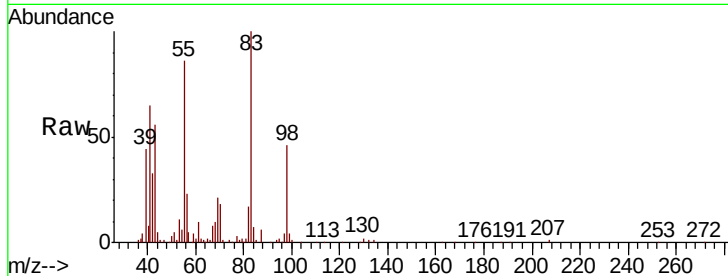




#39
Methylcyclohexane
Concen: 23.270 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

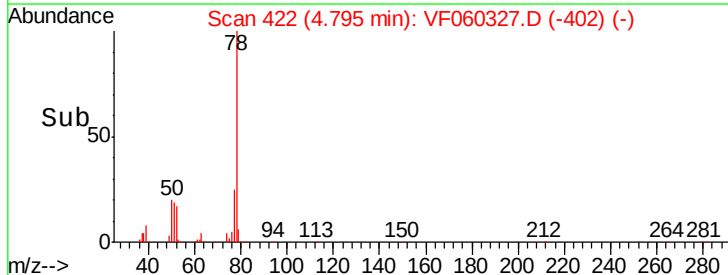
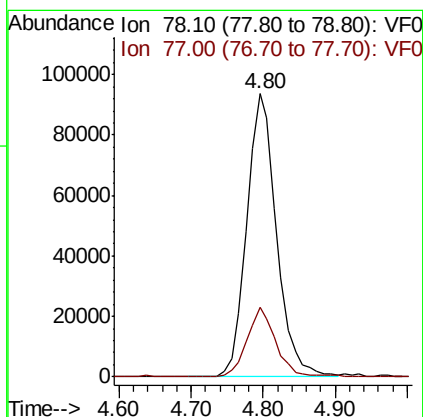
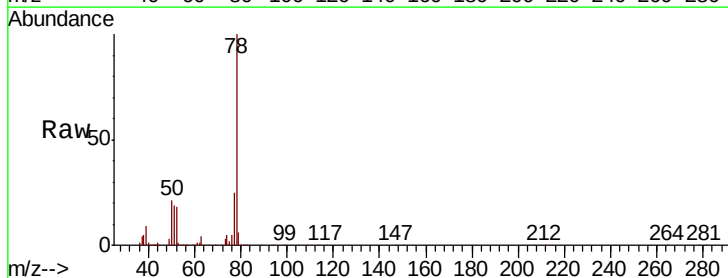
Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

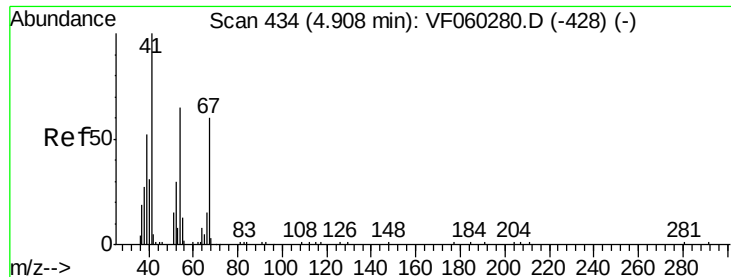
Tgt Ion: 83 Resp: 128736
Ion Ratio Lower Upper
83 100
55 85.9 67.3 100.9
98 46.1 36.1 54.1



#40
Benzene
Concen: 23.309 ug/l
RT: 4.80 min Scan# 422
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion: 78 Resp: 269780
Ion Ratio Lower Upper
78 100
77 24.7 18.4 27.6

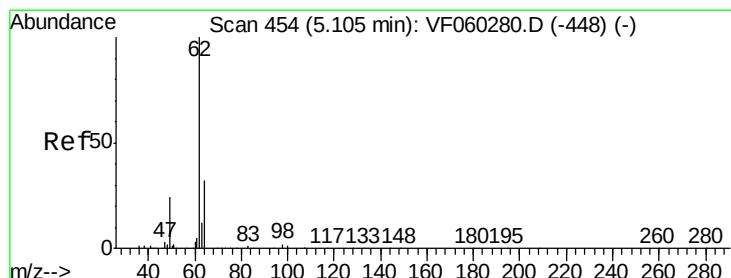
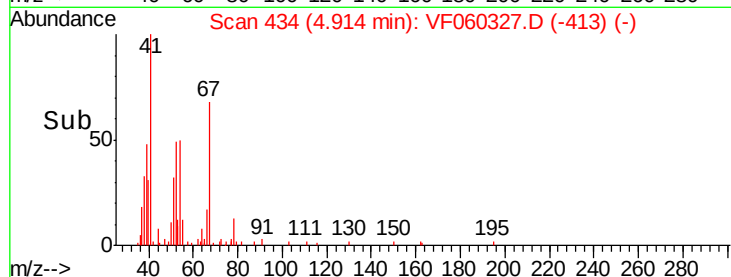
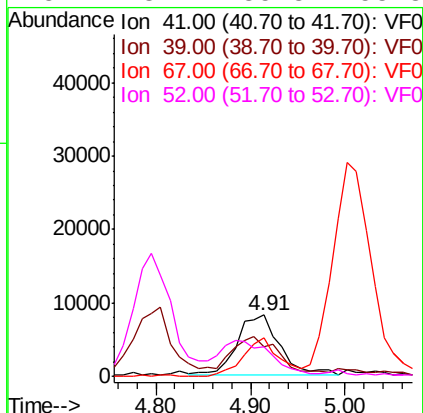
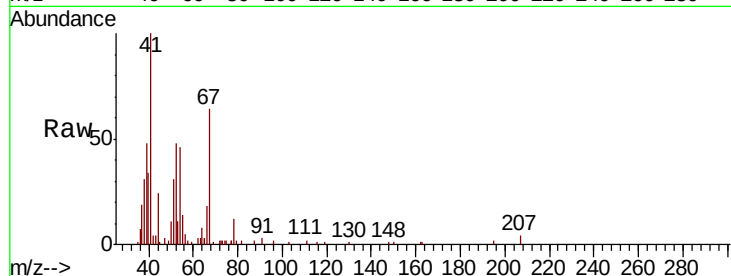




#41
Methacrylonitrile
Concen: 21.627 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

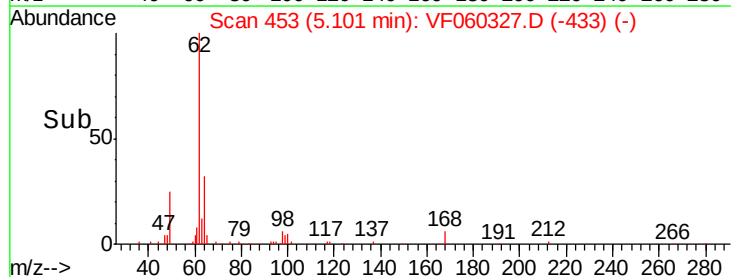
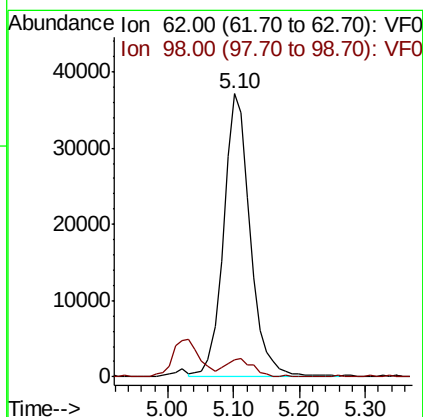
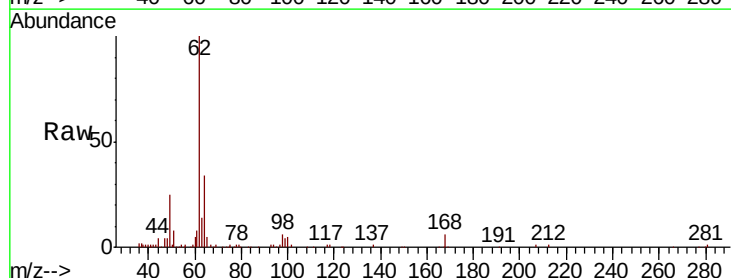
Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

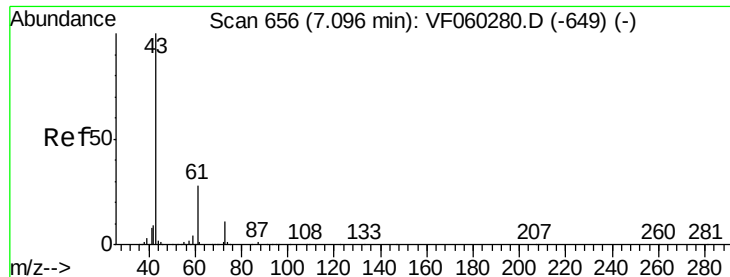
Tgt Ion:	41	Resp:	25346
Ion	Ratio	Lower	Upper
41	100		
39	47.8	49.1	73.7#
67	63.8	48.2	72.4
52	48.1	35.8	53.8



#42
1,2-Dichloroethane
Concen: 24.693 ug/l
RT: 5.10 min Scan# 453
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion:	62	Resp:	105195
Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	14.4



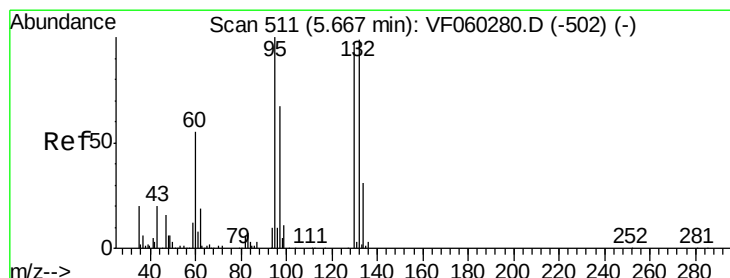
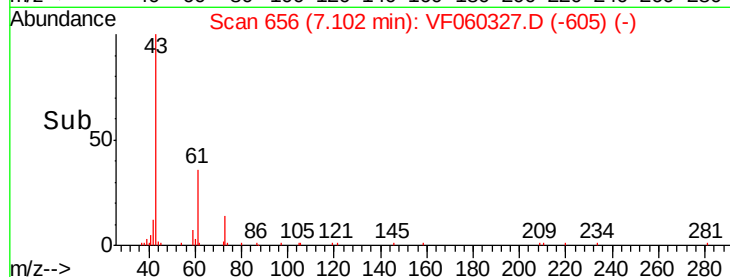
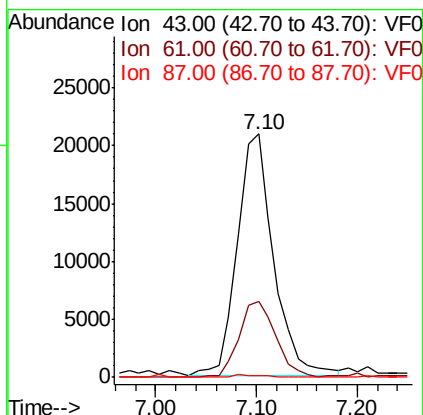
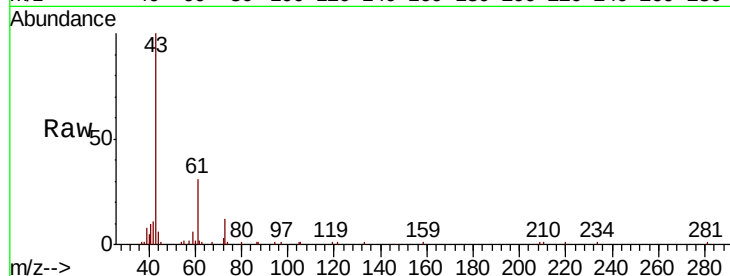


#43

Isopropyl Acetate
 Concen: 19.992 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

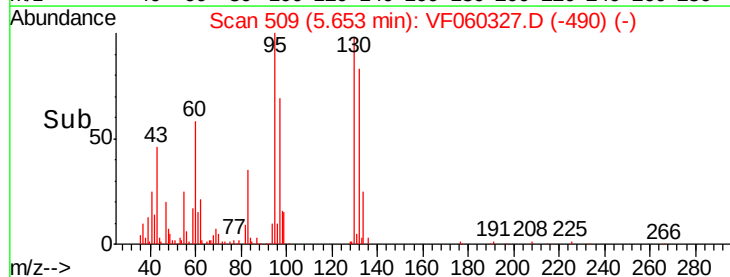
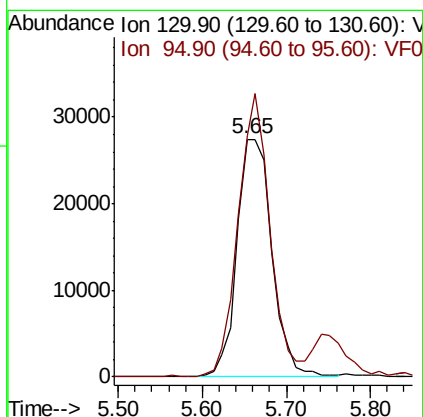
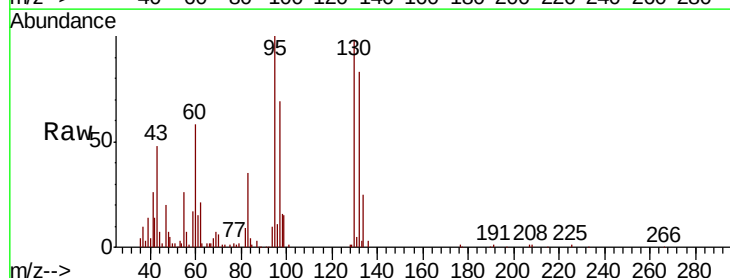
Tgt Ion	Ratio	Lower	Upper
43	100		
61	31.3	22.4	33.6
87	0.9	0.6	0.8

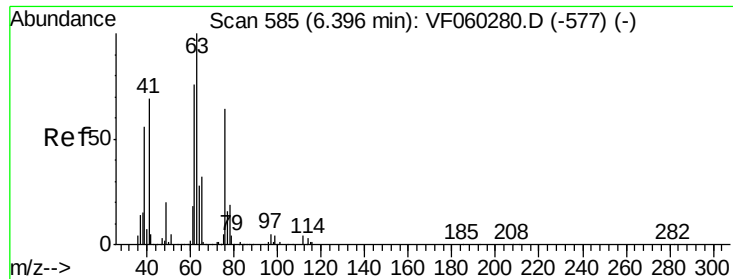


#44

Trichloroethene
 Concen: 23.173 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	205.6





#45

1,2-Dichloropropane

Concen: 22.436 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

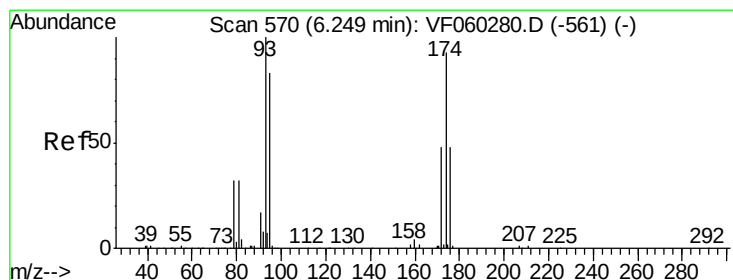
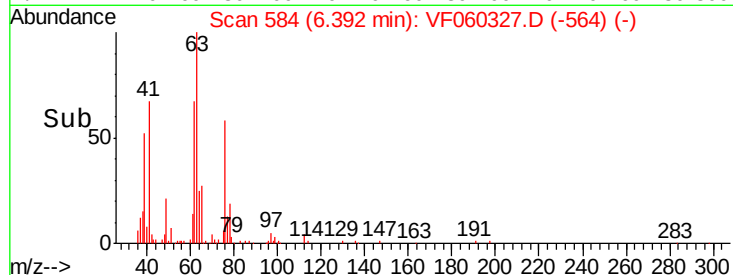
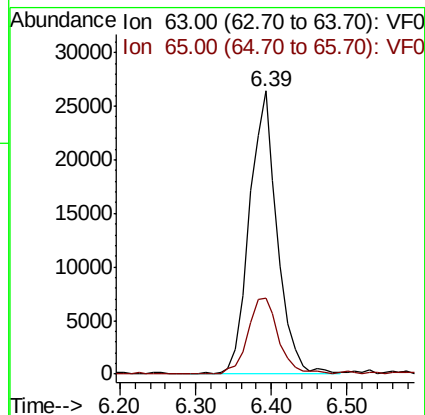
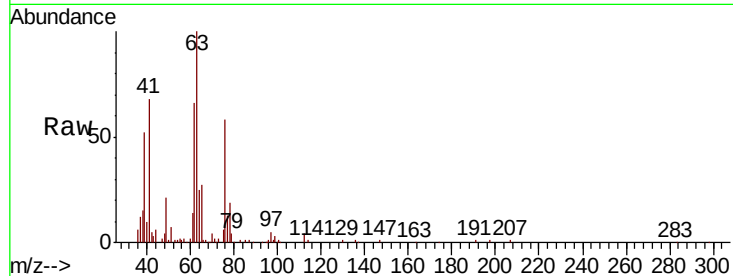
VF0925SBSD01

Tgt Ion: 63 Resp: 67205

Ion Ratio Lower Upper

63 100

65 26.9 26.2 39.4



#46

Dibromomethane

Concen: 22.787 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

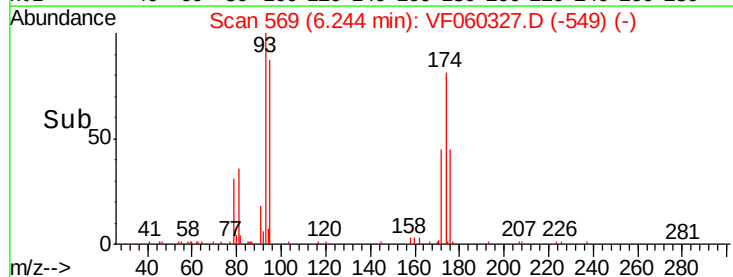
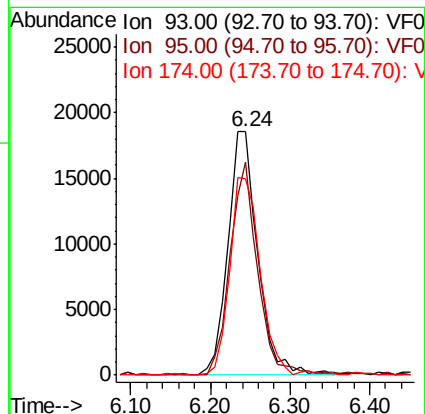
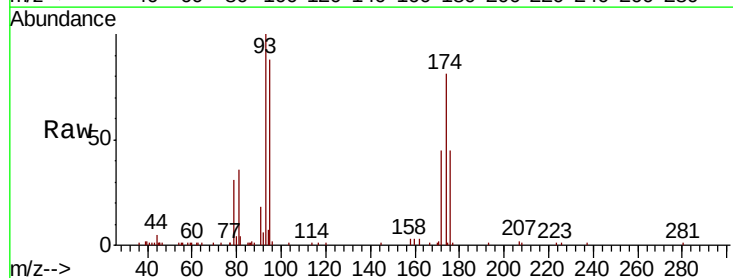
Tgt Ion: 93 Resp: 48790

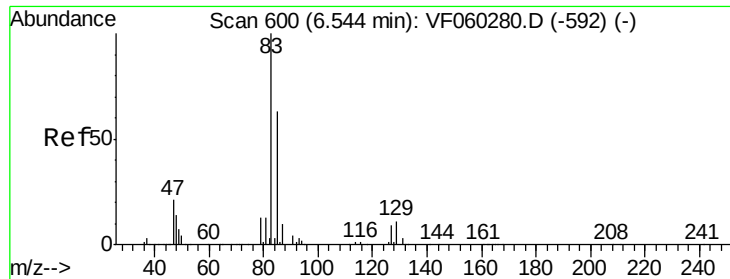
Ion Ratio Lower Upper

93 100

95 87.7 67.0 100.6

174 80.5 74.8 112.2





#47

Bromodichloromethane

Concen: 23.348 ug/l

RT: 6.53 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBSD01

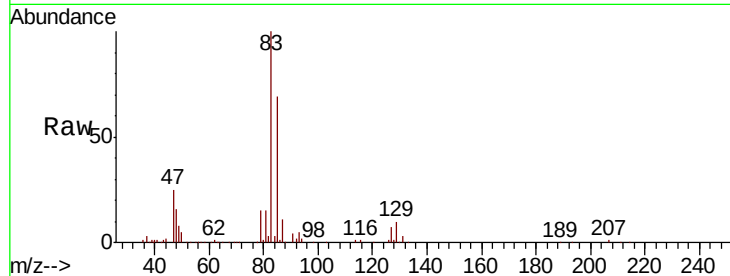
Tgt Ion: 83 Resp: 120139

Ion Ratio Lower Upper

83 100

85 68.7 50.6 76.0

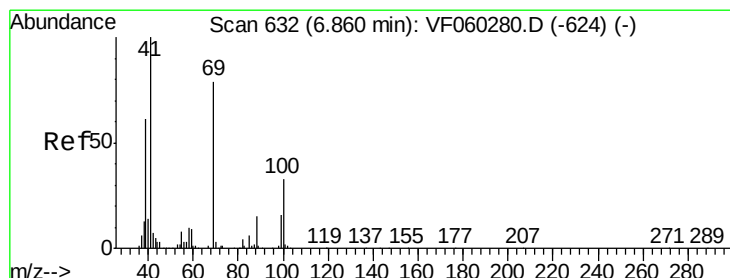
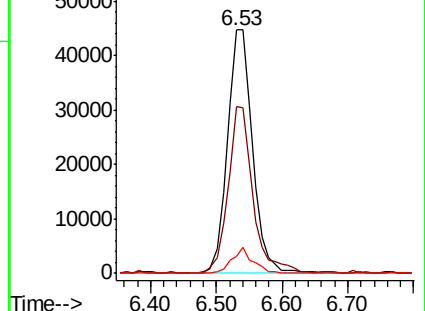
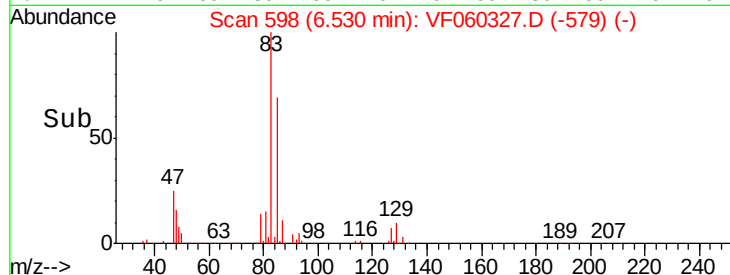
127 7.6 7.1 10.7



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: 19.684 ug/l

RT: 6.86 min Scan# 631

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

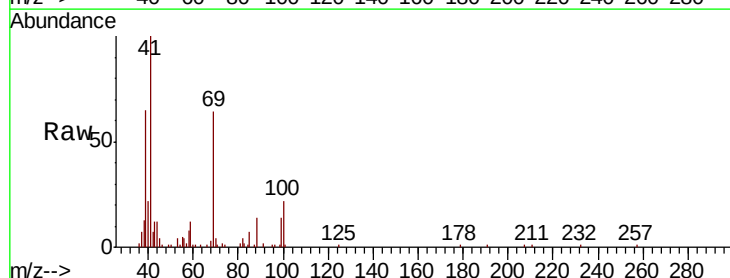
Tgt Ion: 41 Resp: 35927

Ion Ratio Lower Upper

41 100

69 64.0 62.6 94.0

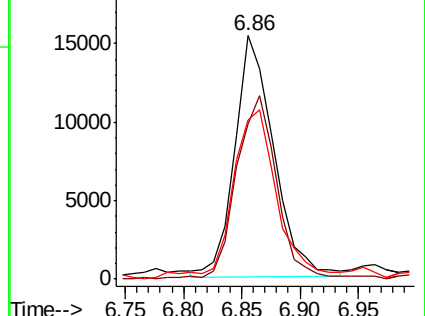
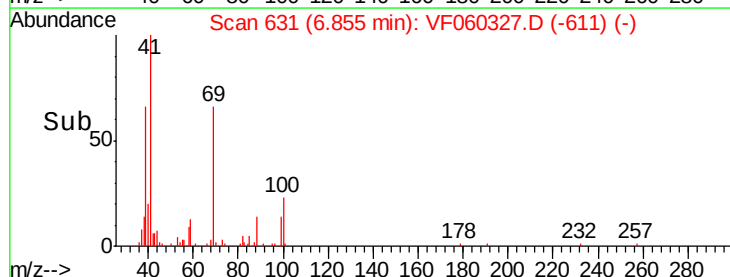
39 65.5 49.1 73.7

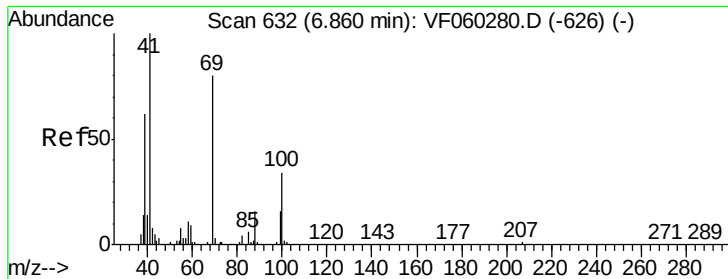


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

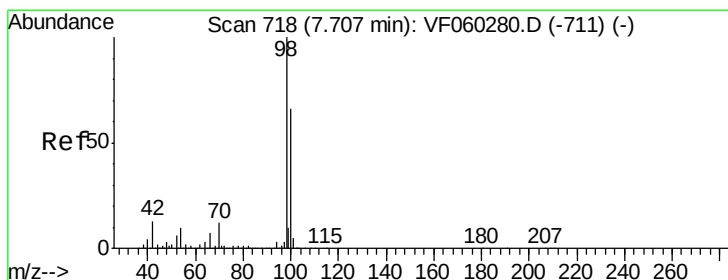
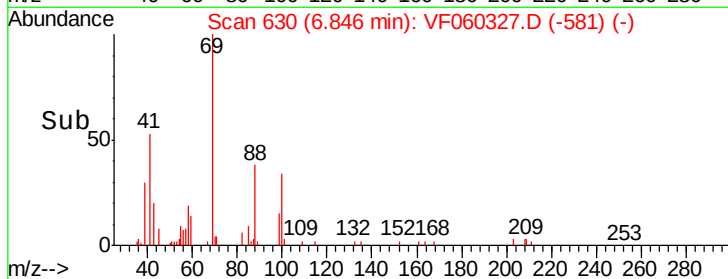
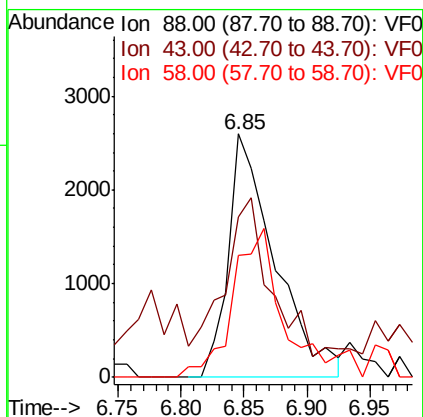
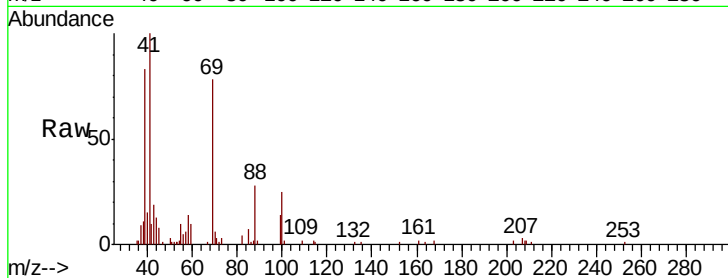




#49
 1,4-Dioxane
 Concen: 407.756 ug/l
 RT: 6.85 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

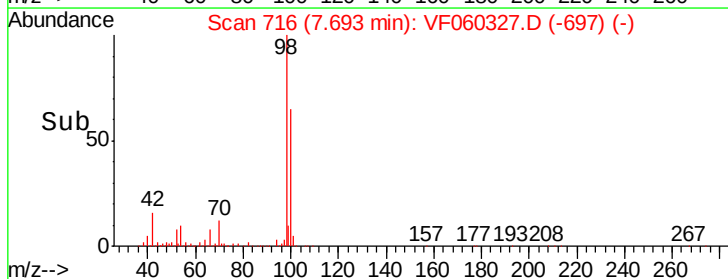
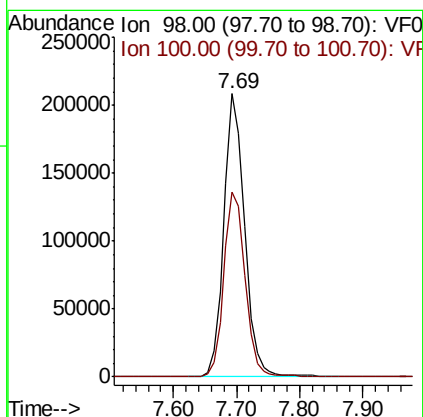
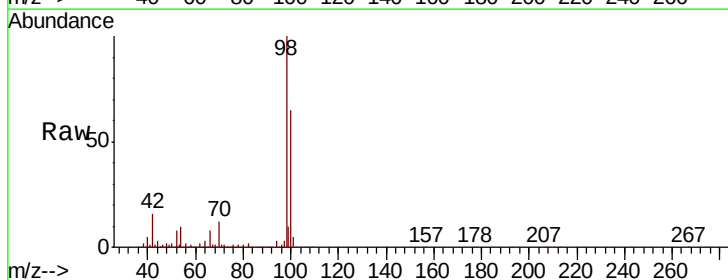
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

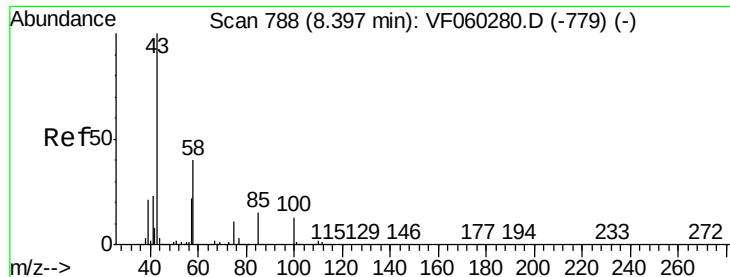
Tgt Ion: 88 Resp: 6649
 Ion Ratio Lower Upper
 88 100
 43 65.9 40.2 60.4#
 58 49.9 56.7 85.1#



#50
 Toluene-d8
 Concen: 50.484 ug/l
 RT: 7.69 min Scan# 716
 Delta R.T. -0.01 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion: 98 Resp: 479589
 Ion Ratio Lower Upper
 98 100
 100 65.2 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 106.741 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

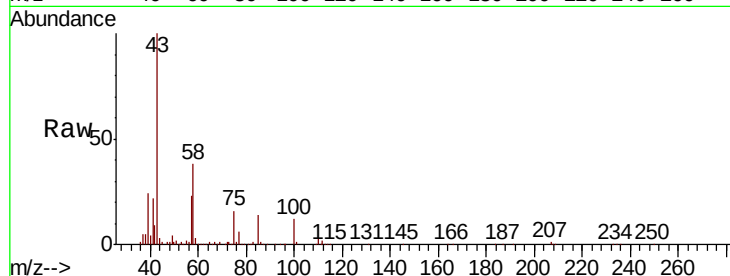
VF0925SBSD01

Tgt Ion: 43 Resp: 213910

Ion Ratio Lower Upper

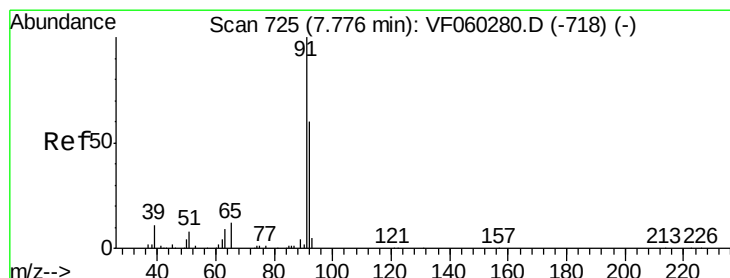
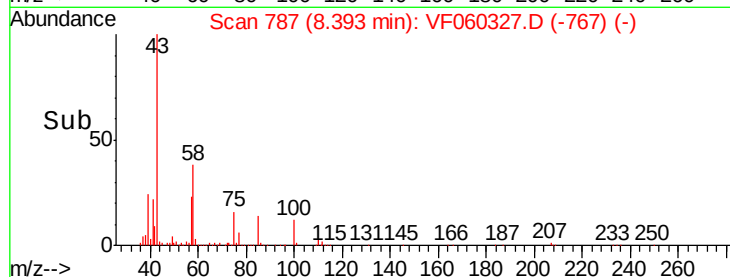
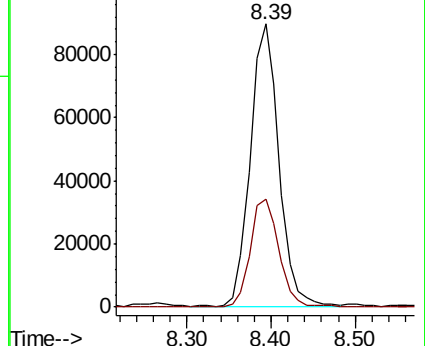
43 100

58 38.4 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.004 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060327.D

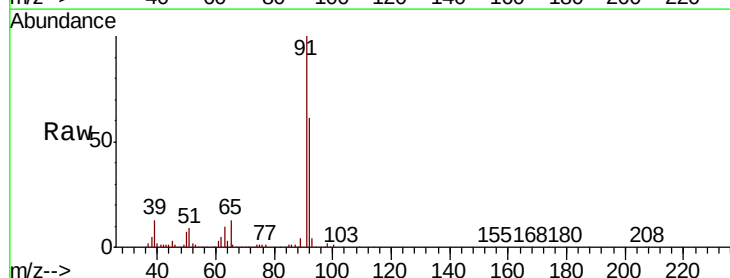
Acq: 25 Sep 2018 16:21

Tgt Ion: 92 Resp: 161114

Ion Ratio Lower Upper

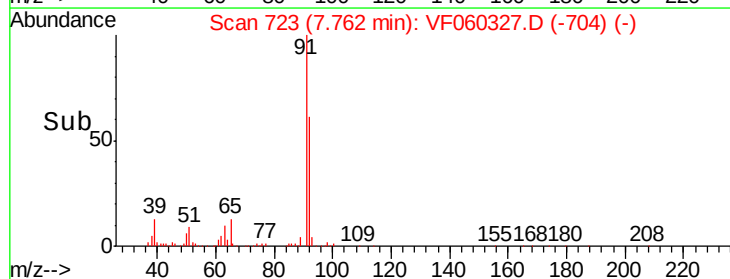
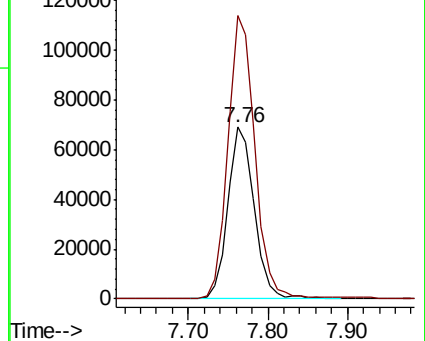
92 100

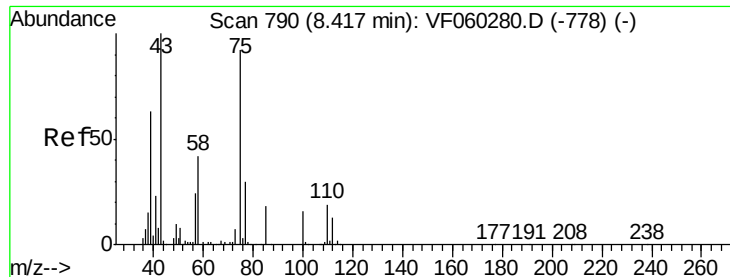
91 164.6 133.3 199.9



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: 23.726 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

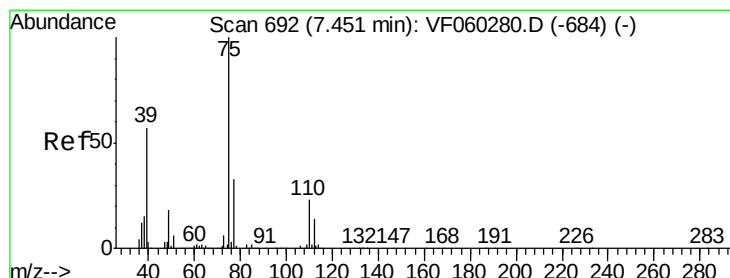
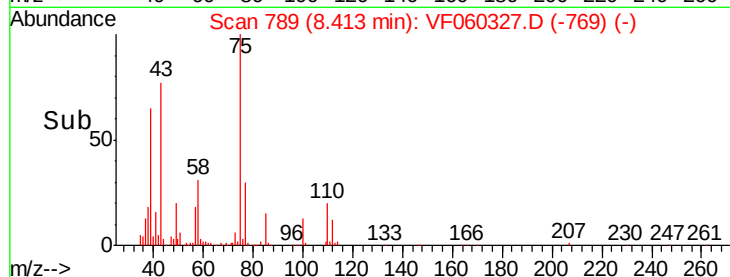
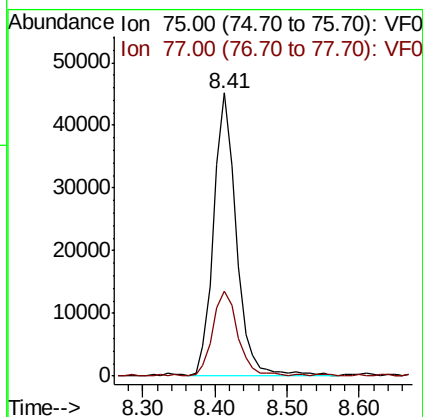
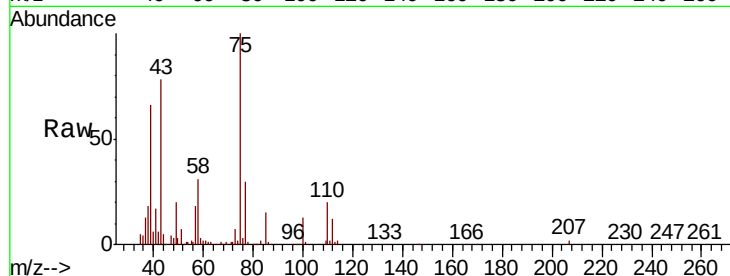
VF0925SBSD01

Tgt Ion: 75 Resp: 98473

Ion Ratio Lower Upper

75 100

77 30.1 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 22.418 ug/l

RT: 7.45 min Scan# 691

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

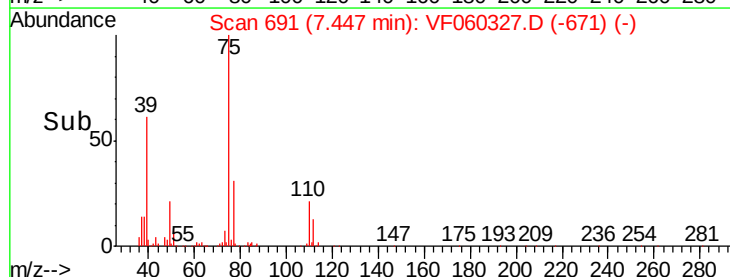
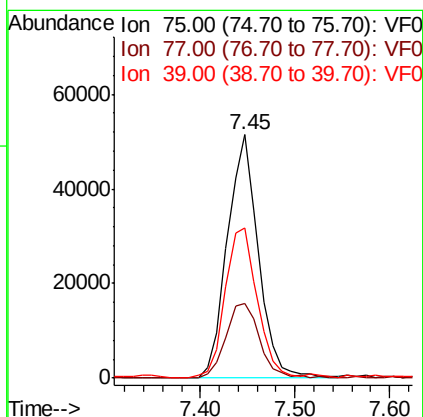
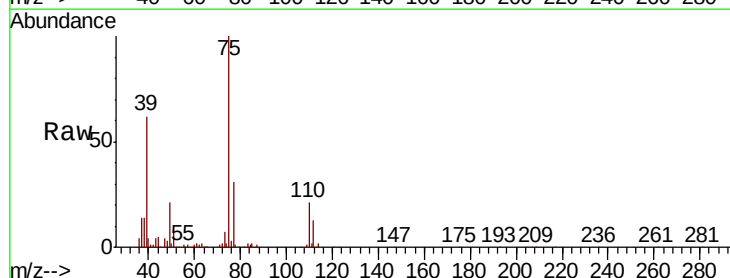
Tgt Ion: 75 Resp: 117218

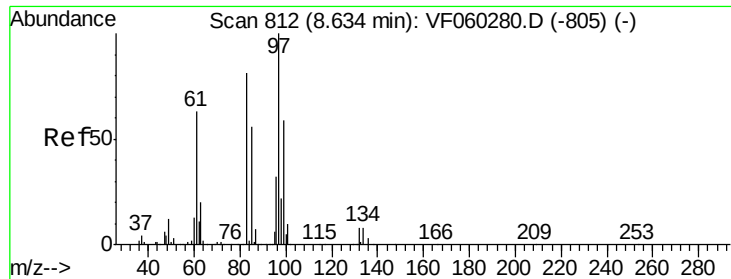
Ion Ratio Lower Upper

75 100

77 30.7 26.3 39.5

39 61.9 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 21.293 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

Tgt Ion: 97 Resp: 47320

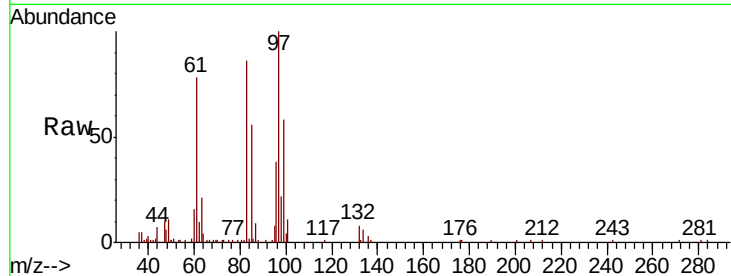
Ion Ratio Lower Upper

97 100

83 85.6 65.3 97.9

85 56.4 44.7 67.1

99 58.5 47.0 70.4

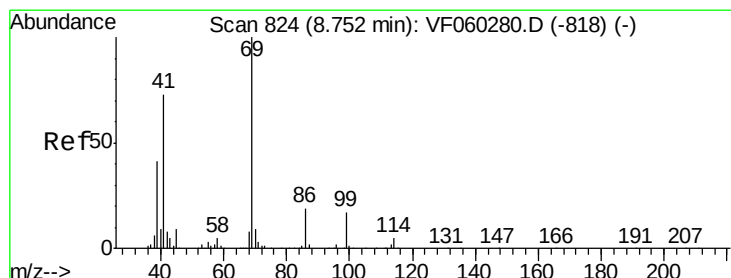
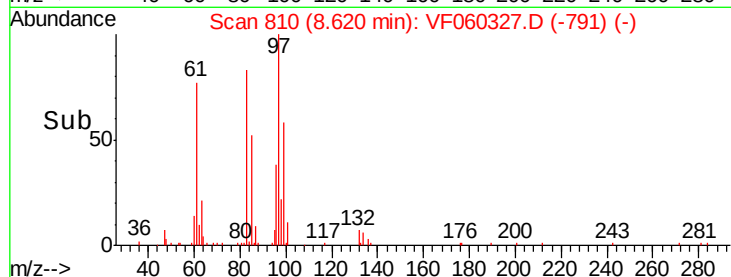
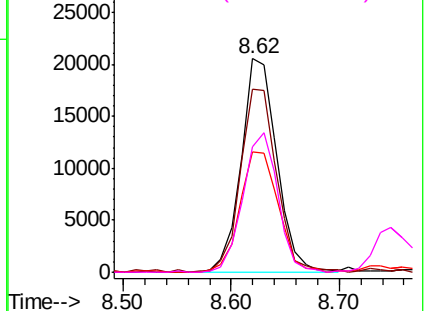


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.740 ug/l

RT: 8.75 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

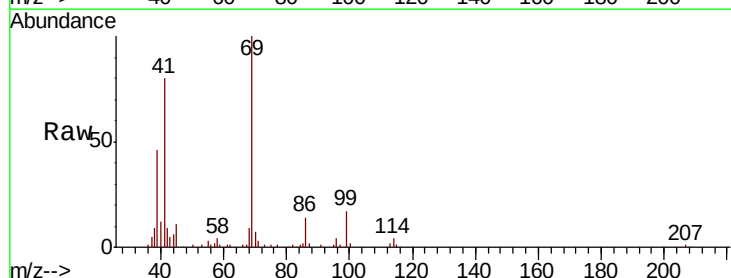
Tgt Ion: 69 Resp: 55665

Ion Ratio Lower Upper

69 100

41 79.6 59.4 89.2

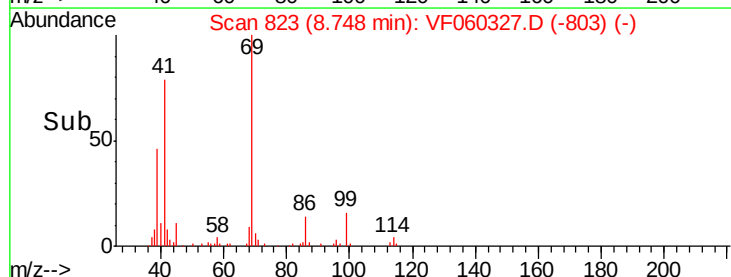
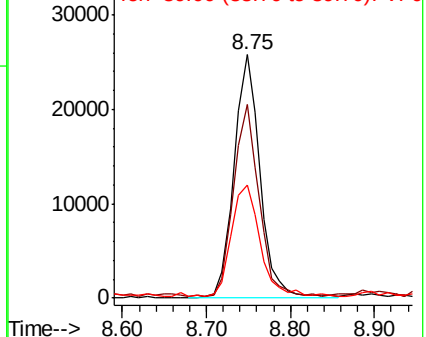
39 46.5 33.5 50.3

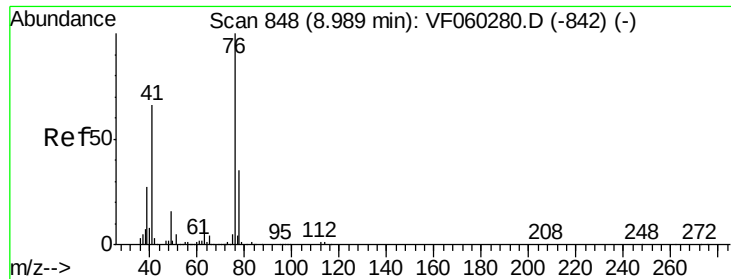


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.362 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

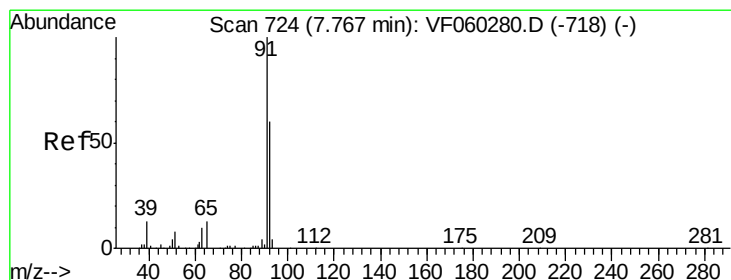
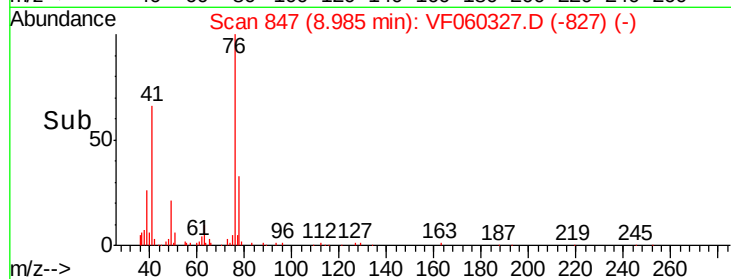
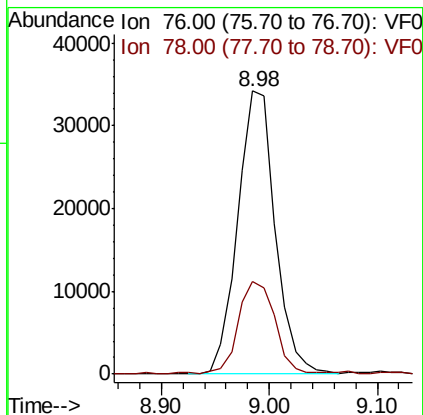
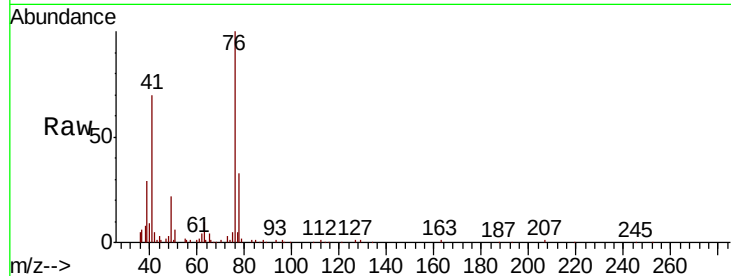
VF0925SBSD01

Tgt Ion: 76 Resp: 82284

Ion Ratio Lower Upper

76 100

78 32.7 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 123.331 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.00 min

Lab File: VF060327.D

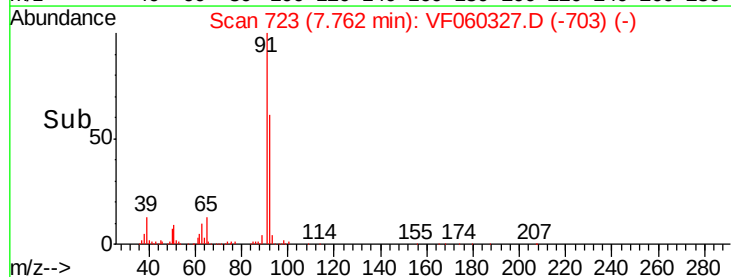
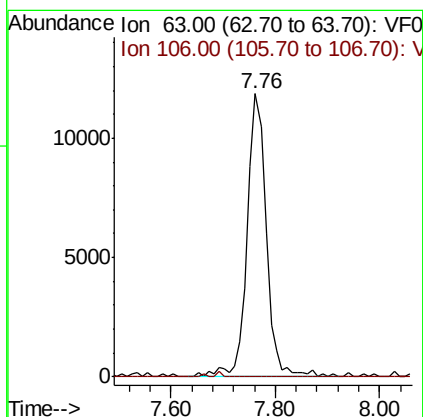
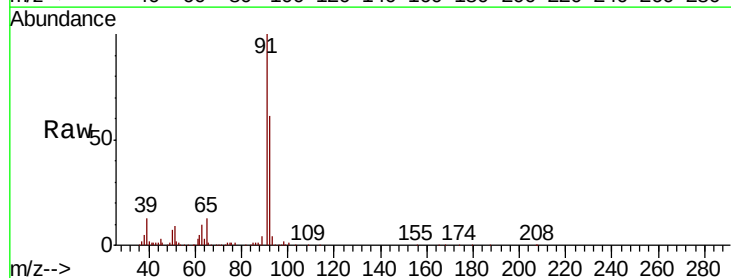
Acq: 25 Sep 2018 16:21

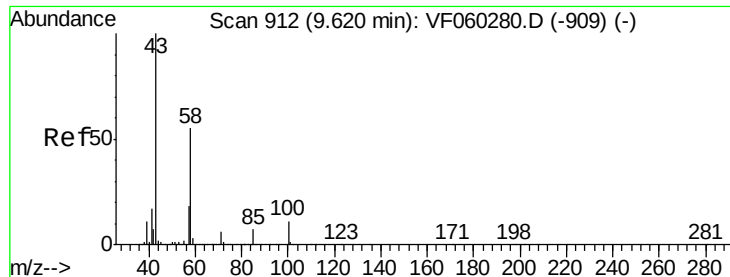
Tgt Ion: 63 Resp: 29263

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

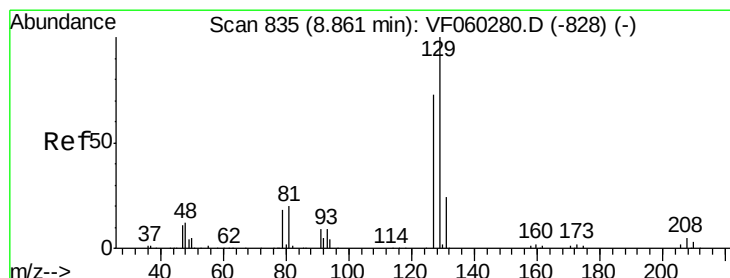
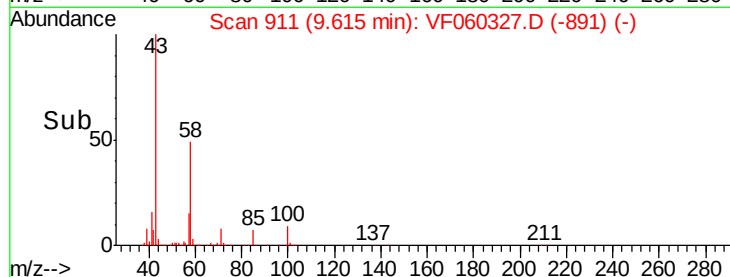
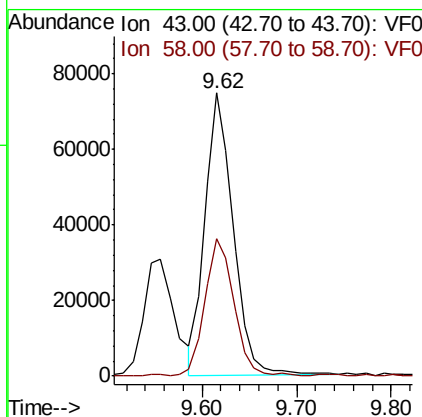
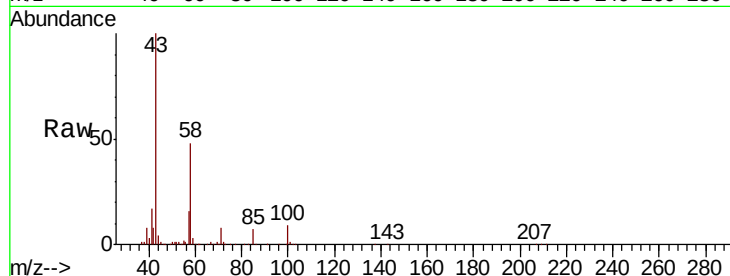




#59
 2-Hexanone
 Concen: 109.371 ug/l
 RT: 9.62 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

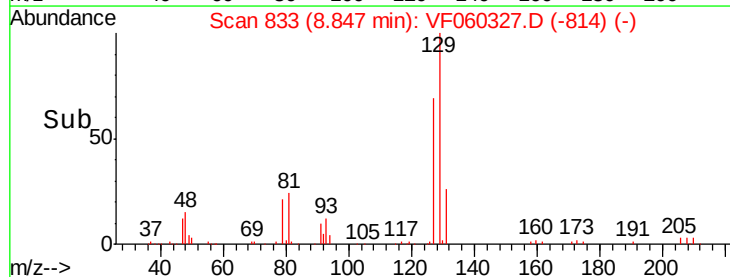
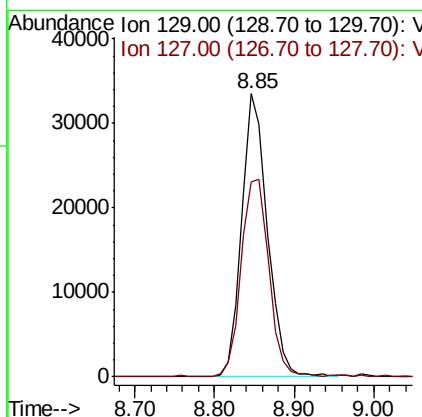
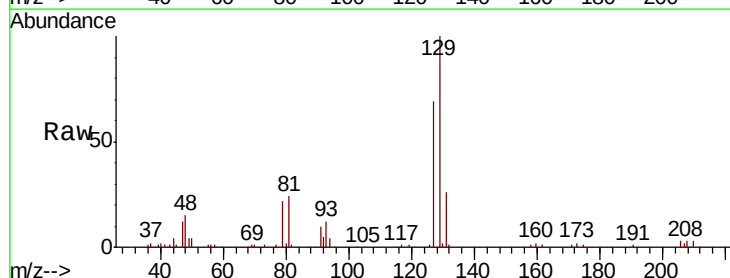
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBSD01

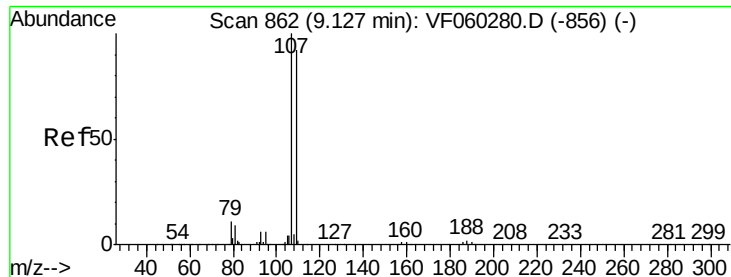
Tgt Ion: 43 Resp: 156058
 Ion Ratio Lower Upper
 43 100
 58 48.4 25.9 77.6



#60
 Dibromochloromethane
 Concen: 22.642 ug/l
 RT: 8.85 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion: 129 Resp: 74996
 Ion Ratio Lower Upper
 129 100
 127 68.9 36.6 109.8





#61

1,2-Dibromoethane

Concen: 21.875 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

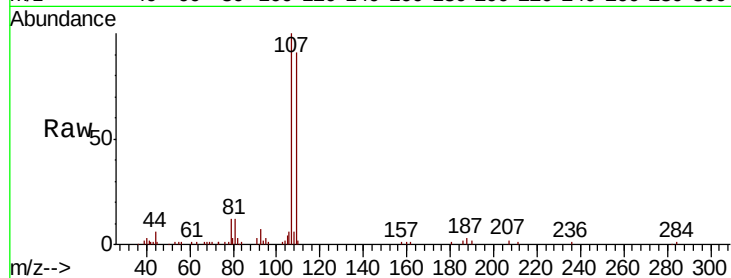
VF0925SBSD01

Tgt Ion: 107 Resp: 54135

Ion Ratio Lower Upper

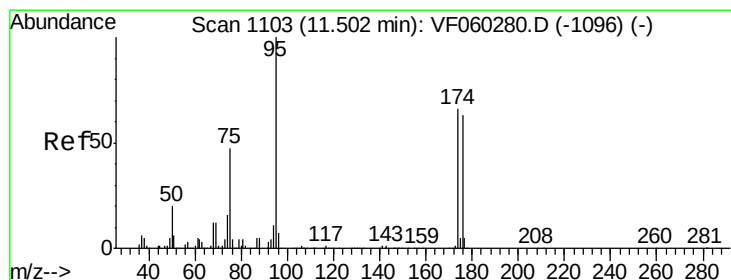
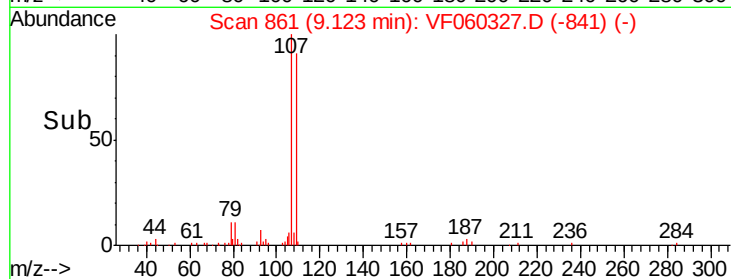
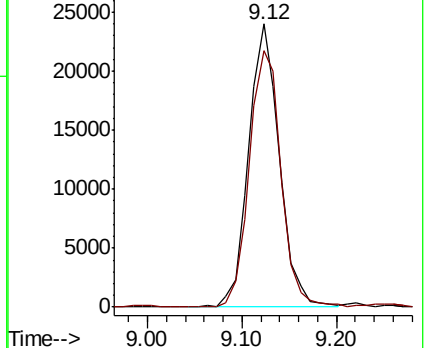
107 100

109 90.7 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.112 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

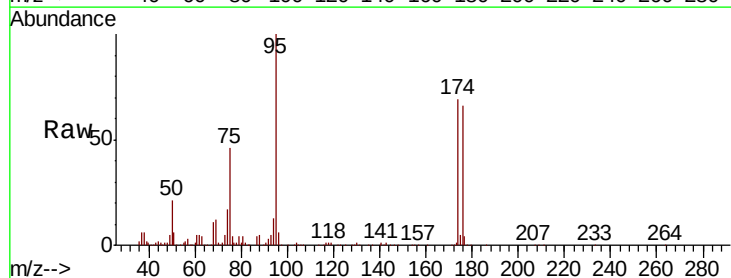
Tgt Ion: 95 Resp: 205782

Ion Ratio Lower Upper

95 100

174 69.0 0.0 131.2

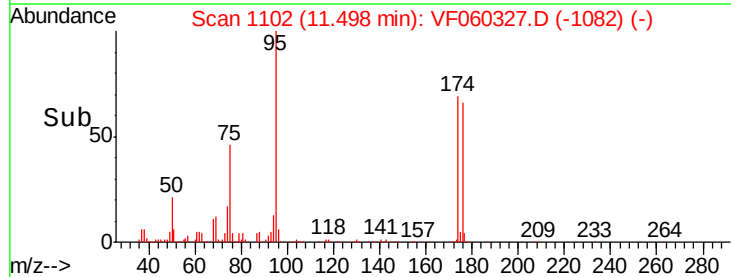
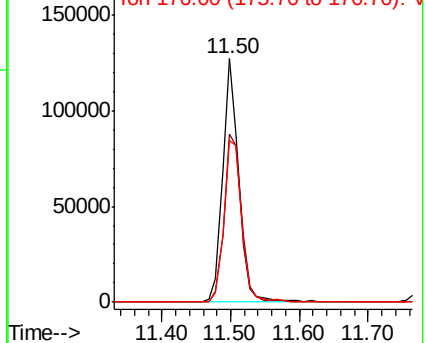
176 66.2 0.0 126.6

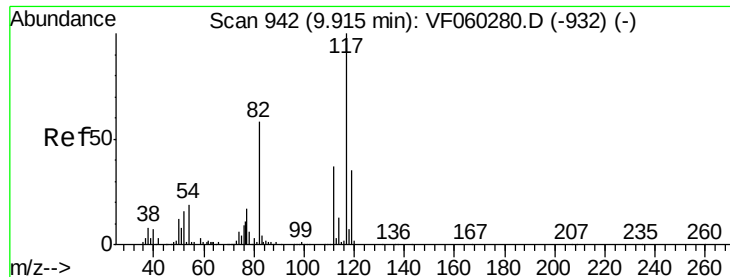


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

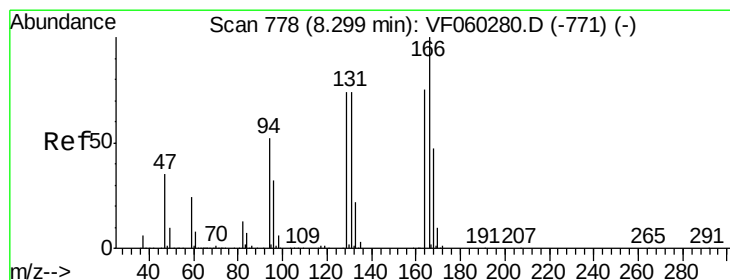
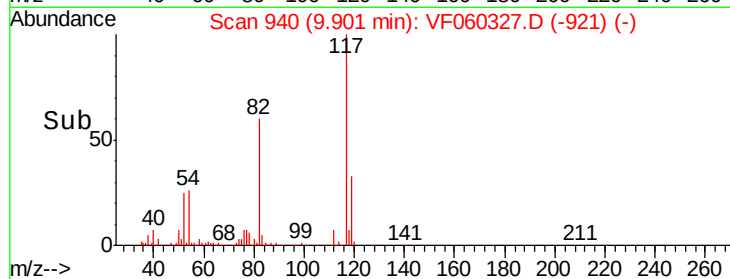
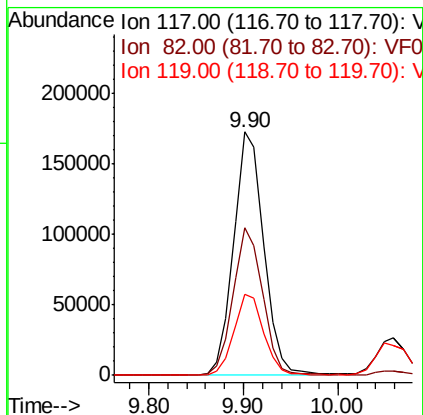
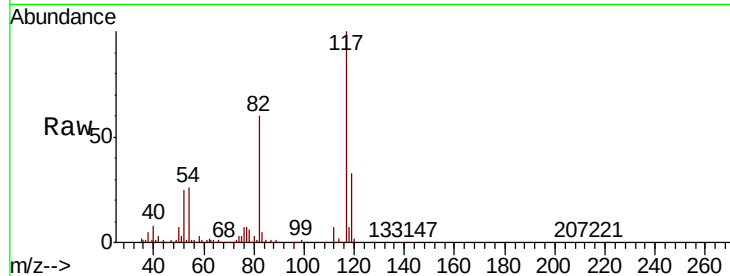




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

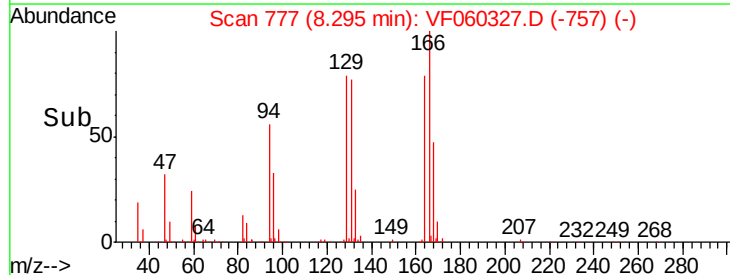
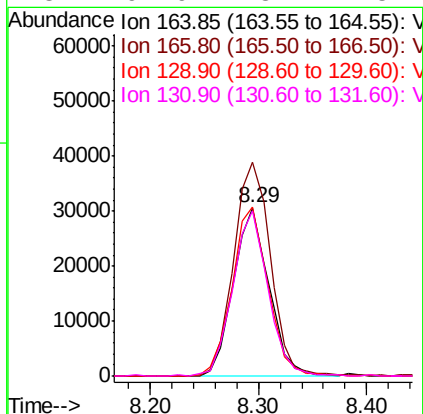
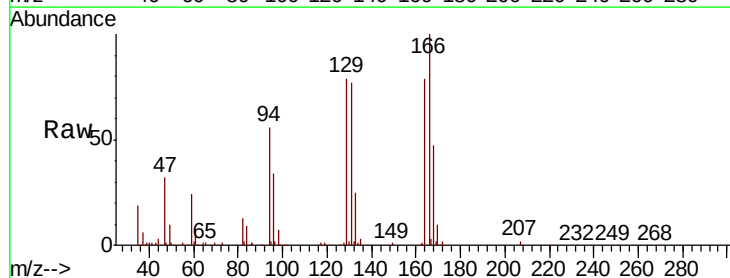
Instrument :
MSVOA_F
ClientSampleId :
VF0925SBSD01

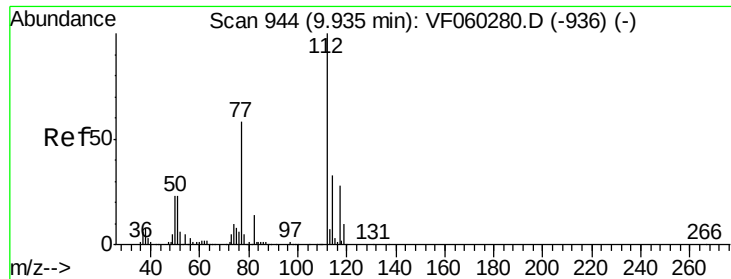
Tgt Ion:117 Resp: 381609
Ion Ratio Lower Upper
117 100
82 60.4 46.2 69.2
119 33.2 27.8 41.6



#64
Tetrachloroethene
Concen: 20.139 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion:164 Resp: 69668
Ion Ratio Lower Upper
164 100
166 127.0 106.8 160.2
129 100.6 78.8 118.2
131 97.9 78.7 118.1

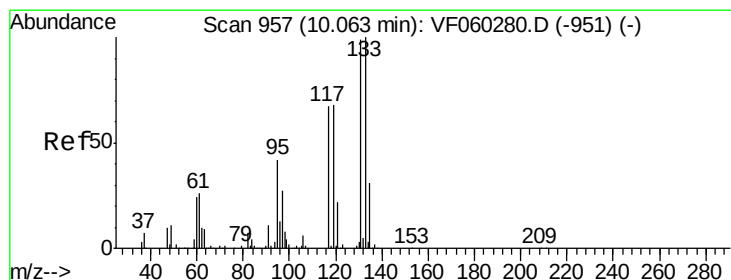
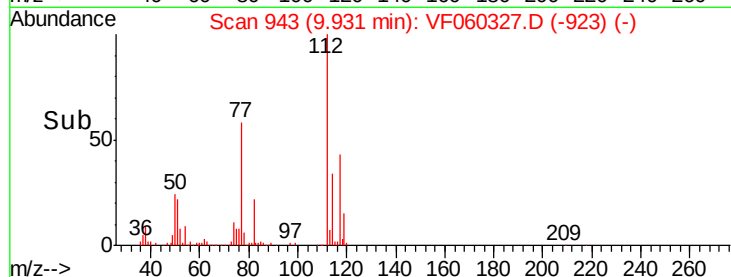
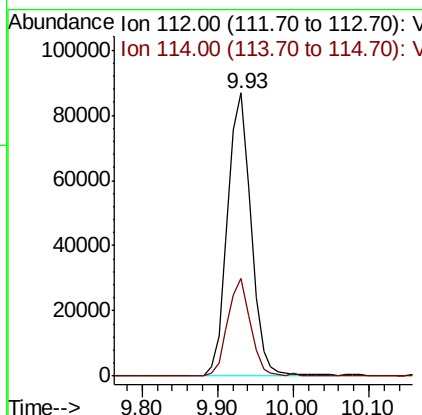
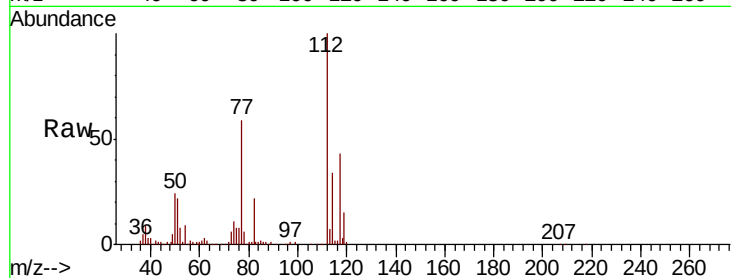




#65
Chlorobenzene
Concen: 21.720 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

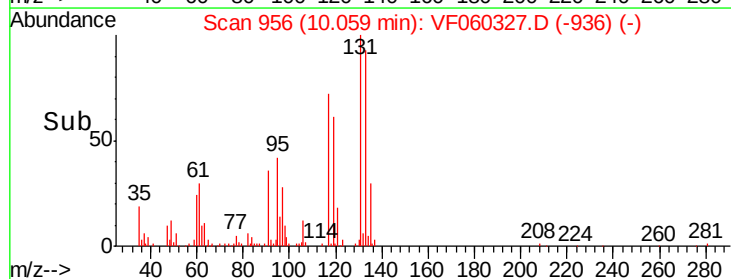
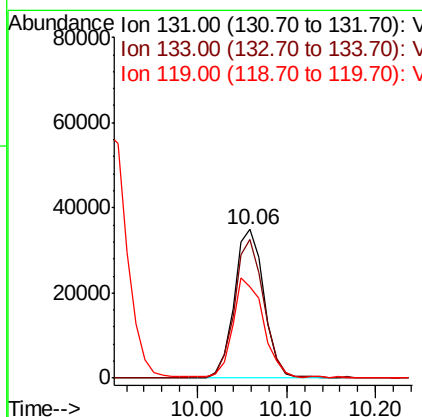
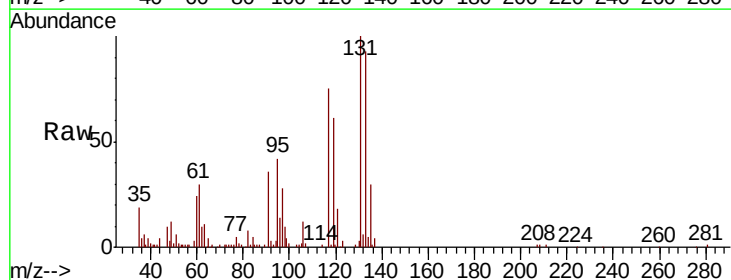
Instrument :
MSVOA_F
ClientSampleId :
VF0925SBS01

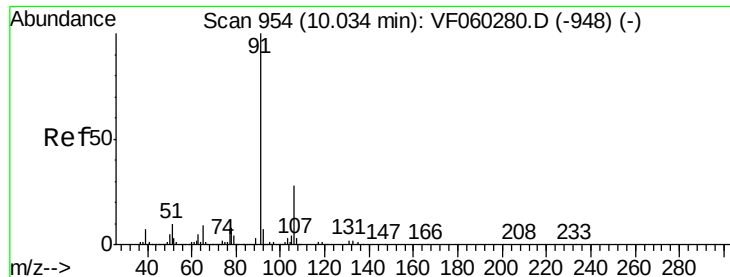
Tgt Ion:112 Resp: 187857
Ion Ratio Lower Upper
112 100
114 34.5 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.686 ug/l
RT: 10.06 min Scan# 956
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion:131 Resp: 81425
Ion Ratio Lower Upper
131 100
133 93.5 50.4 151.2
119 61.3 34.8 104.3





#67

Ethyl Benzene

Concen: 22.304 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

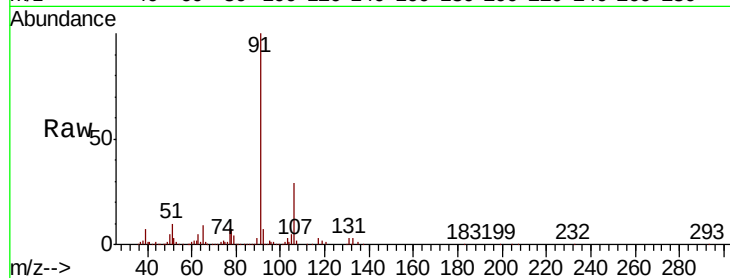
VF0925SBS01

Tgt Ion: 91 Resp: 356667

Ion Ratio Lower Upper

91 100

106 28.8 22.7 34.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.03

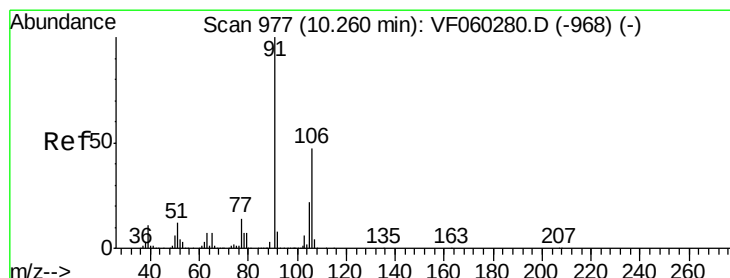
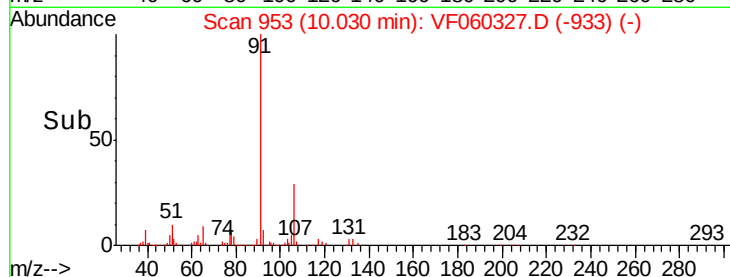
150000

100000

50000

0

Time-->



#68

m/p-Xylenes

Concen: 43.719 ug/l

RT: 10.26 min Scan# 976

Delta R.T. -0.00 min

Lab File: VF060327.D

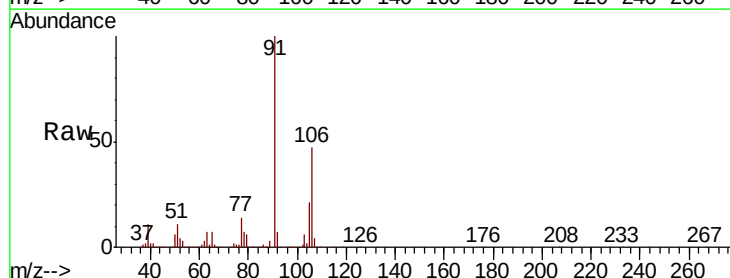
Acq: 25 Sep 2018 16:21

Tgt Ion: 106 Resp: 241541

Ion Ratio Lower Upper

106 100

91 210.8 172.3 258.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

300000

250000

200000

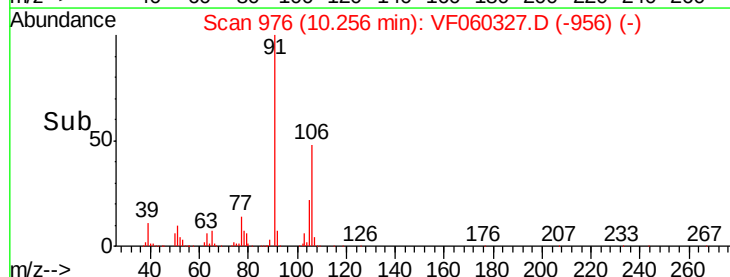
150000

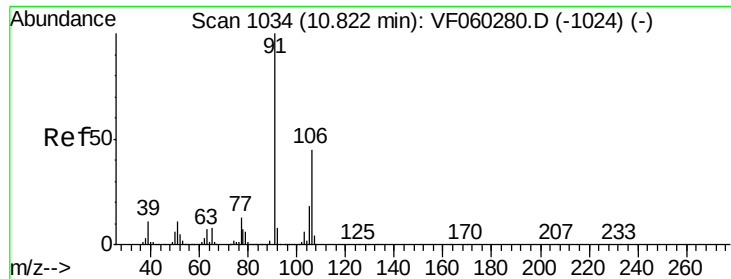
100000

50000

0

Time-->

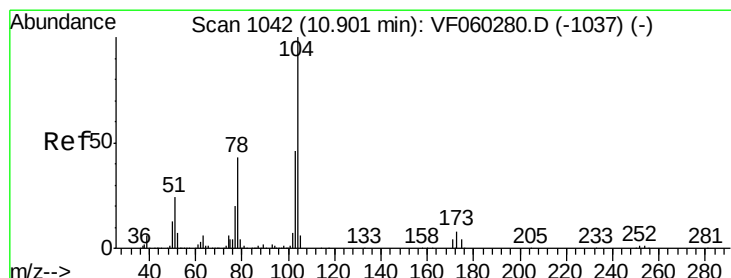
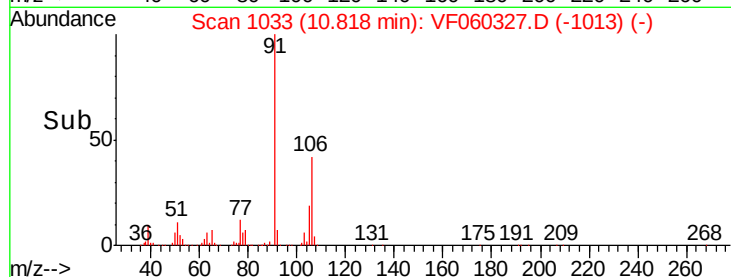
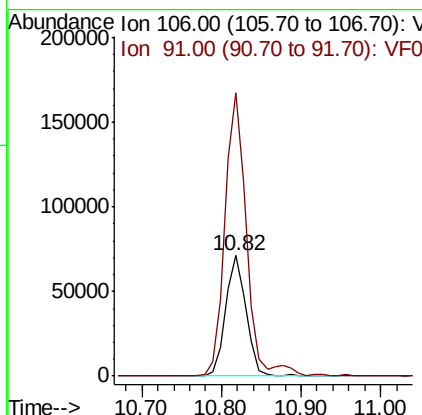
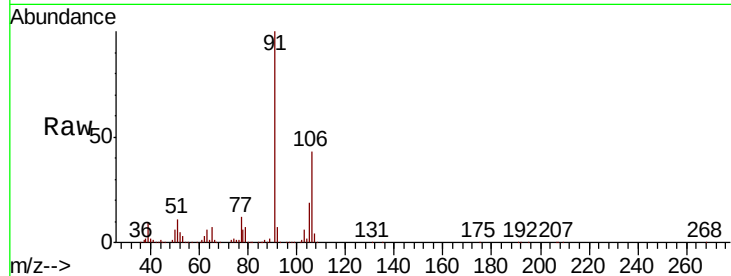




#69
o-Xylene
Concen: 21.060 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

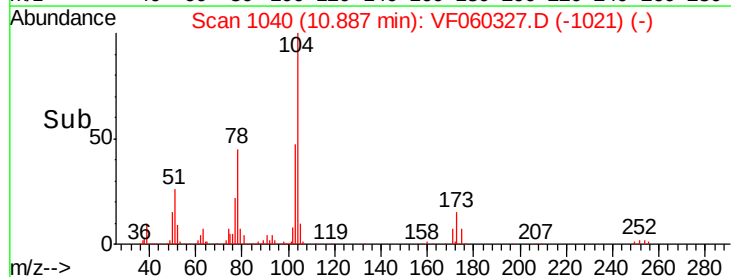
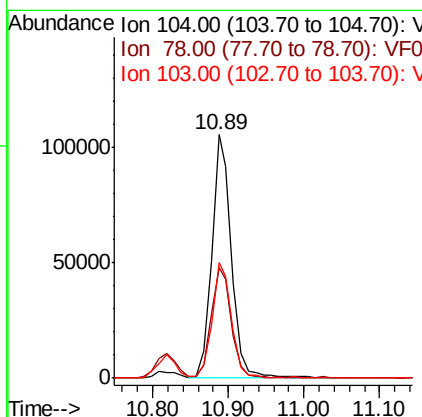
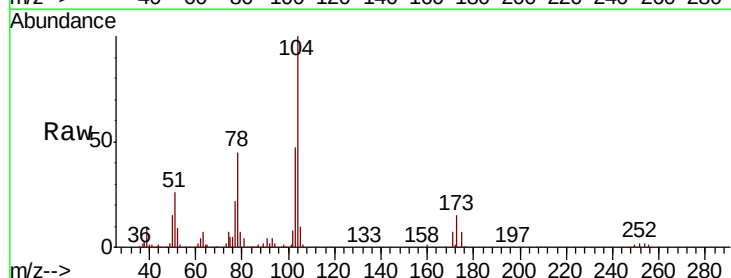
Instrument :
MSVOA_F
ClientSampleId :
VF0925SBSD01

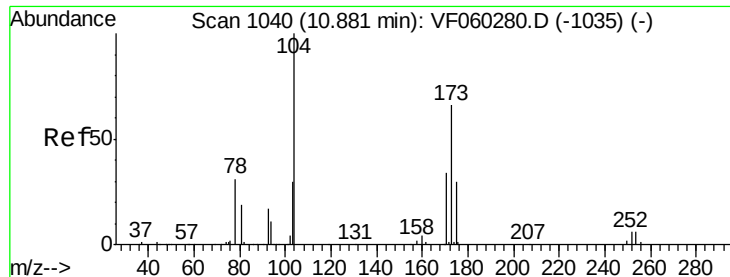
Tgt Ion:106 Resp: 130508
Ion Ratio Lower Upper
106 100
91 235.1 110.9 332.6



#70
Styrene
Concen: 21.780 ug/l
RT: 10.89 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VF060327.D
Acq: 25 Sep 2018 16:21

Tgt Ion:104 Resp: 190343
Ion Ratio Lower Upper
104 100
78 45.3 35.0 52.6
103 47.2 37.4 56.0





#71

Bromoform

Concen: 20.745 ug/l

RT: 10.88 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBSD01

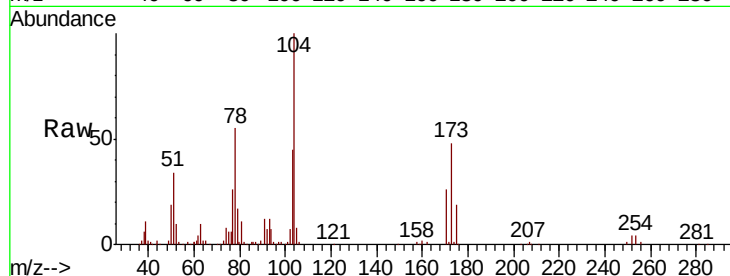
Tgt Ion:173 Resp: 40894

Ion Ratio Lower Upper

173 100

175 38.8 22.3 66.9

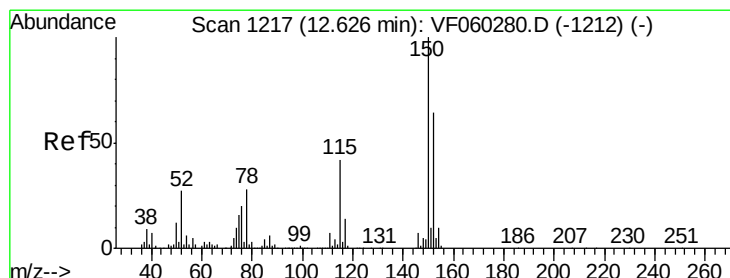
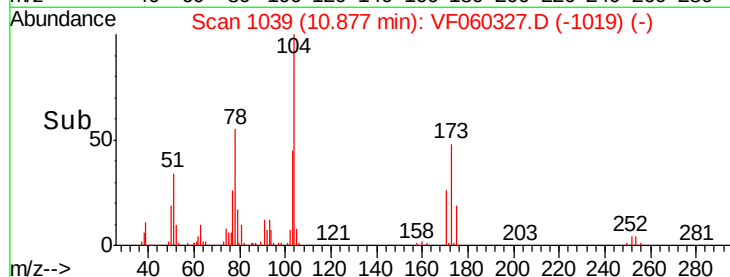
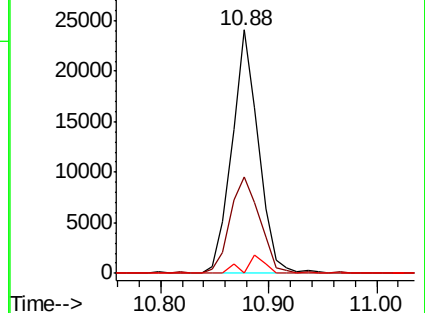
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

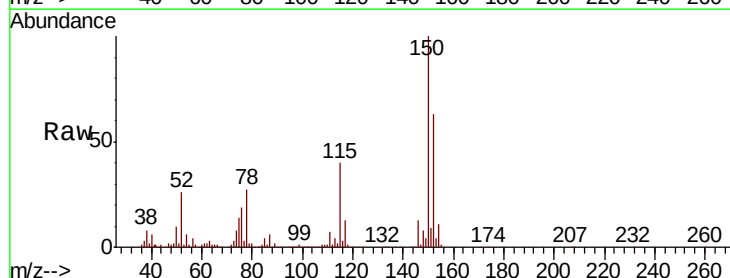
Tgt Ion:152 Resp: 198292

Ion Ratio Lower Upper

152 100

115 63.6 32.6 97.8

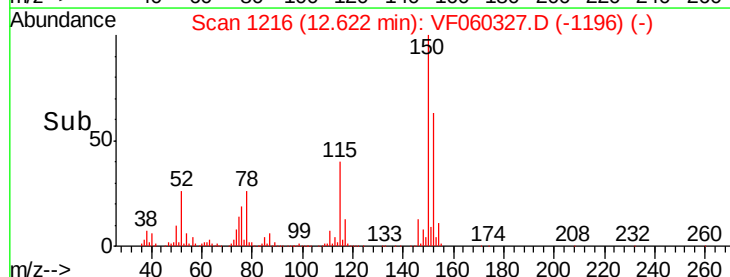
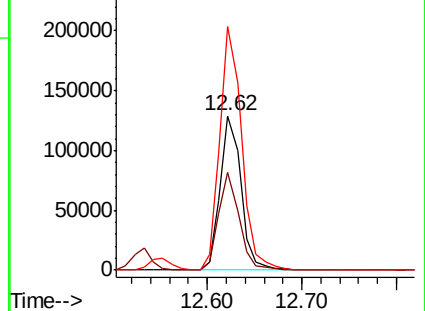
150 157.7 0.0 314.2

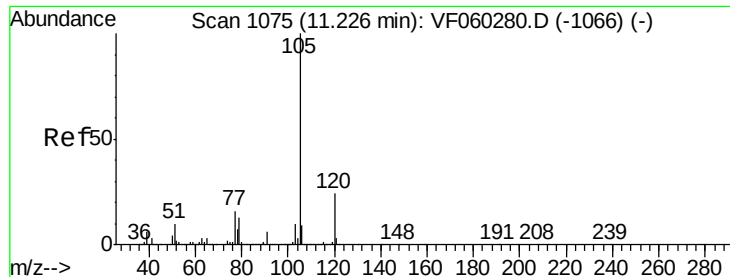


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.995 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

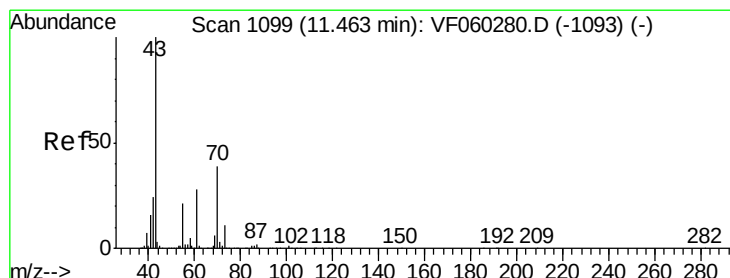
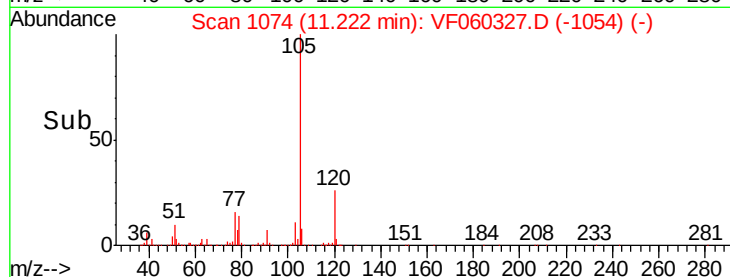
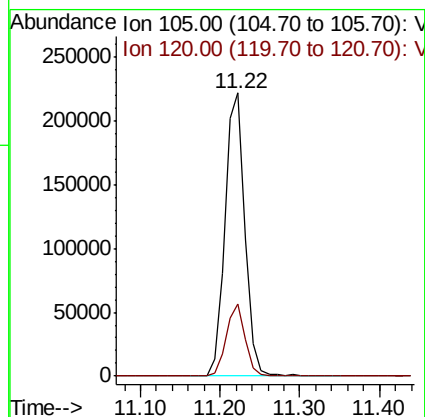
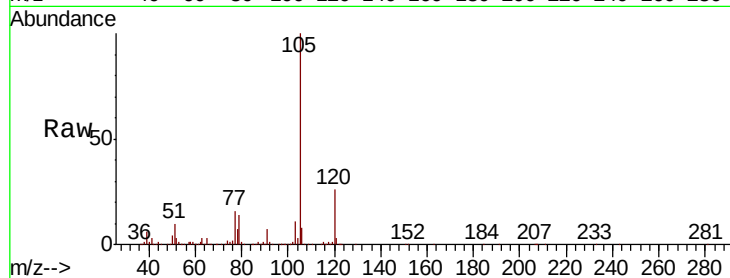
VF0925SBSD01

Tgt Ion:105 Resp: 391533

Ion Ratio Lower Upper

105 100

120 25.6 12.2 36.6



#74

N-ethyl acetate

Concen: 23.721 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Tgt Ion: 43 Resp: 90047

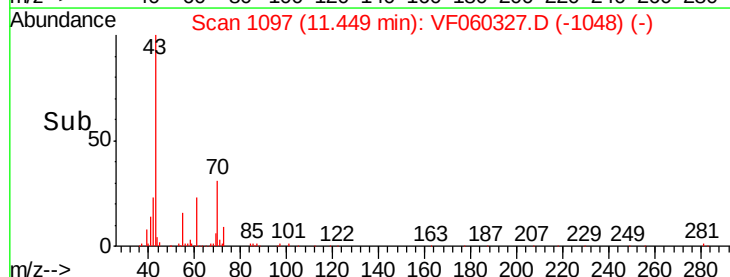
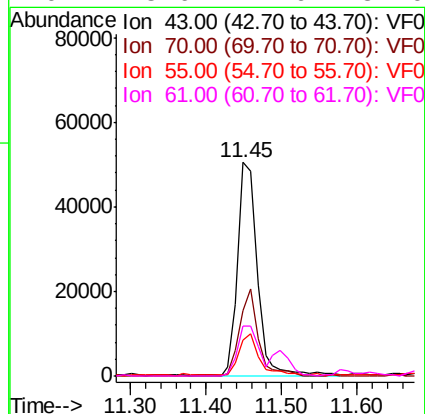
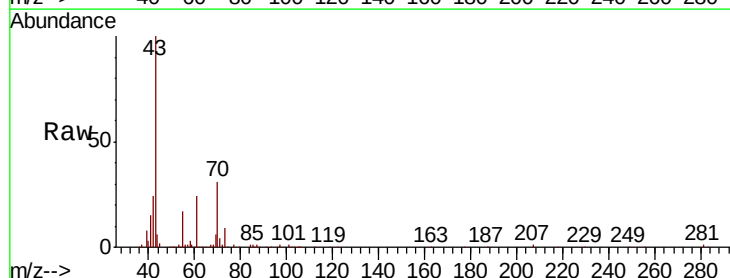
Ion Ratio Lower Upper

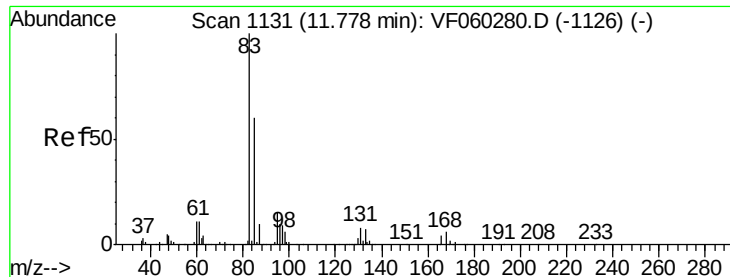
43 100

70 30.7 31.4 47.2#

55 16.6 16.8 25.2#

61 23.6 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.144 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

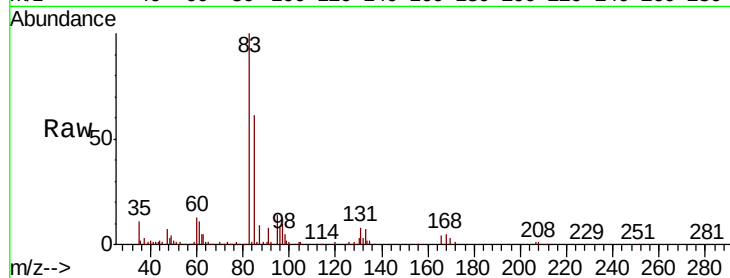
Tgt Ion: 83 Resp: 66704

Ion Ratio Lower Upper

83 100

131 8.2 4.2 12.4

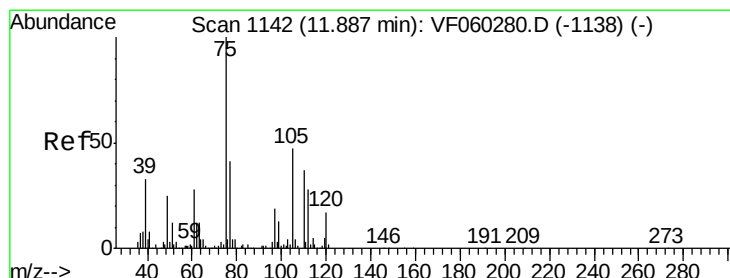
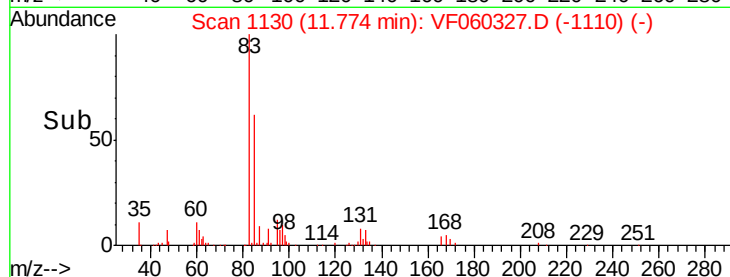
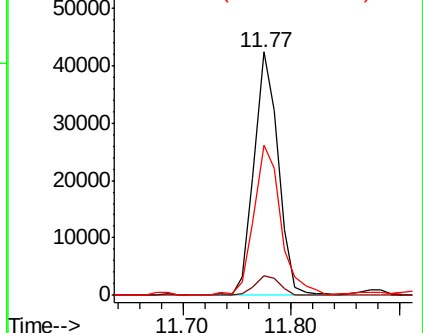
85 61.5 30.1 90.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.818 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060327.D

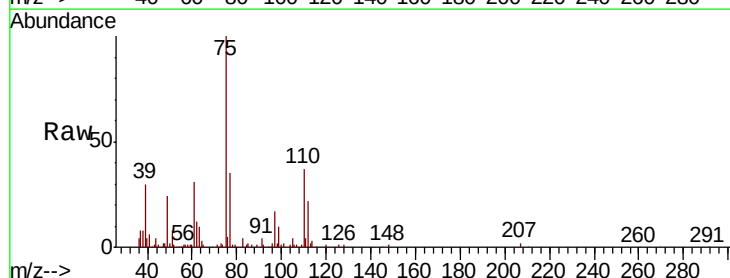
Acq: 25 Sep 2018 16:21

Tgt Ion: 75 Resp: 49283

Ion Ratio Lower Upper

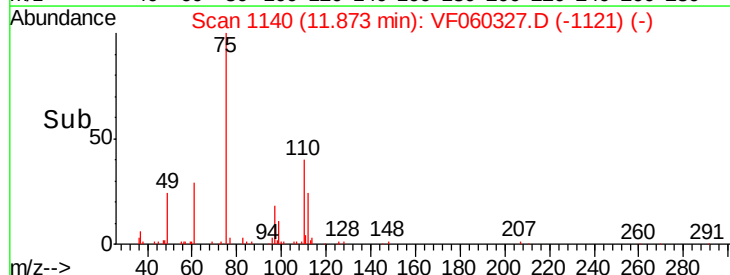
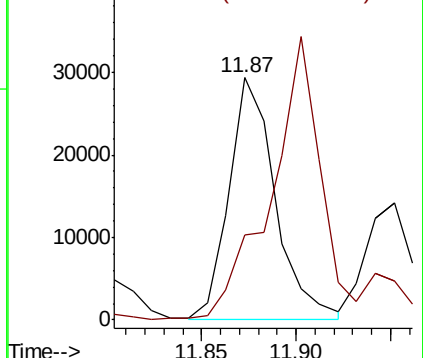
75 100

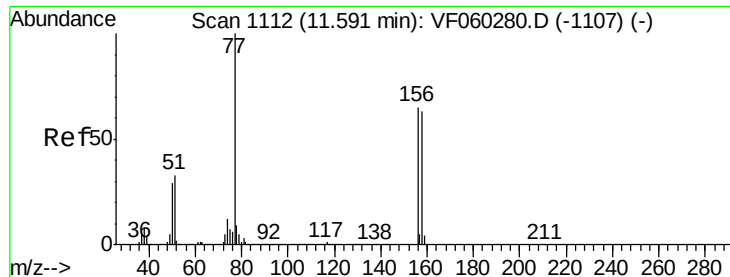
77 35.2 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.401 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBSD01

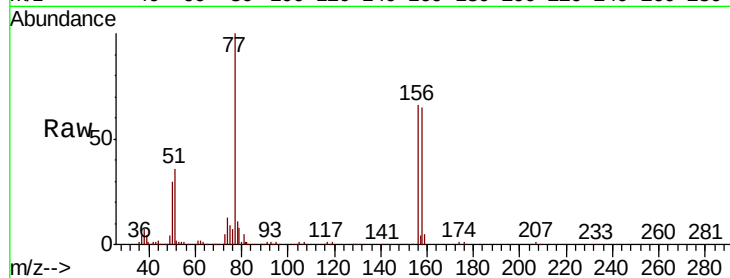
Tgt Ion:156 Resp: 82103

Ion Ratio Lower Upper

156 100

77 150.9 77.3 232.1

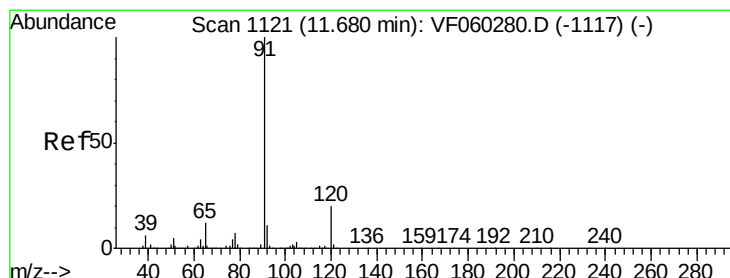
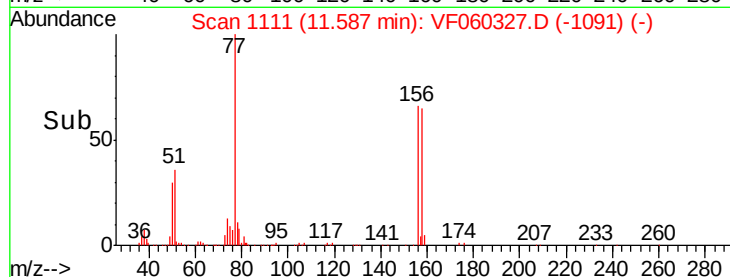
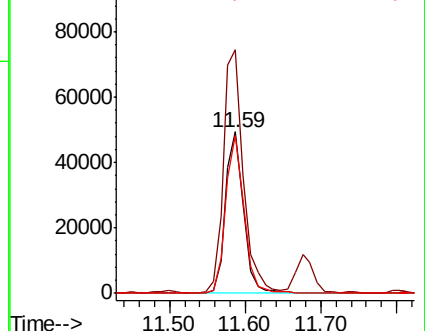
158 98.2 48.4 145.2



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: 22.143 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF060327.D

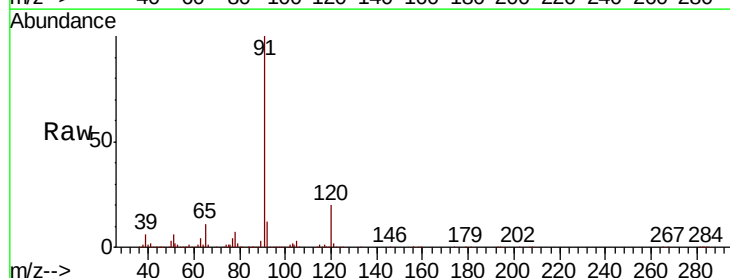
Acq: 25 Sep 2018 16:21

Tgt Ion: 91 Resp: 470035

Ion Ratio Lower Upper

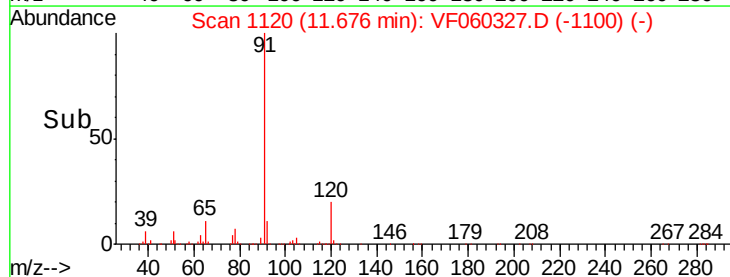
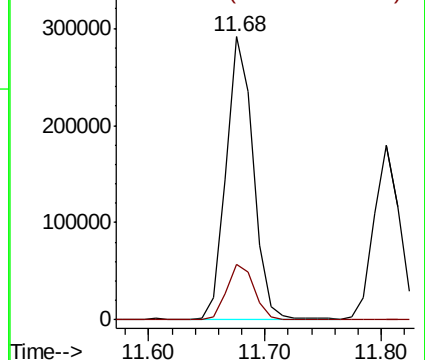
91 100

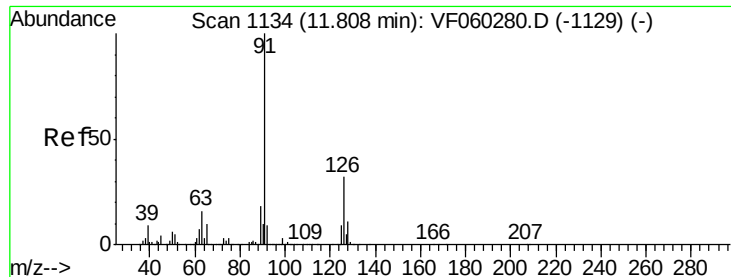
120 19.7 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

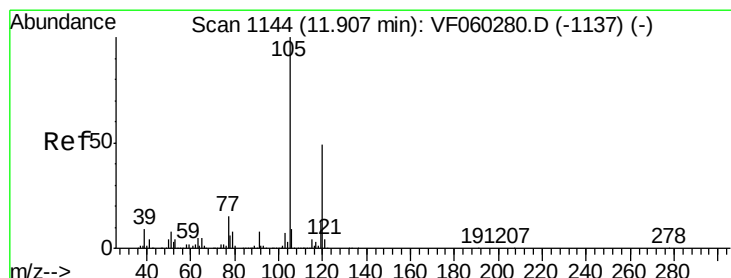
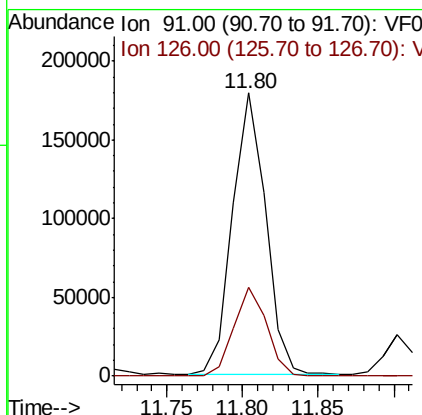
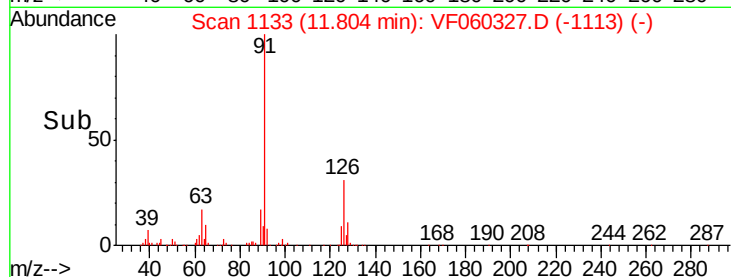
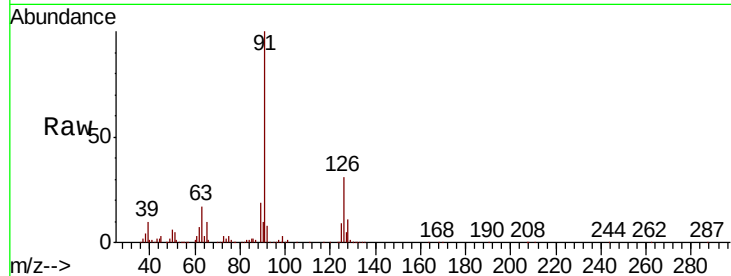




#79
 2-Chlorotoluene
 Concen: 22.802 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

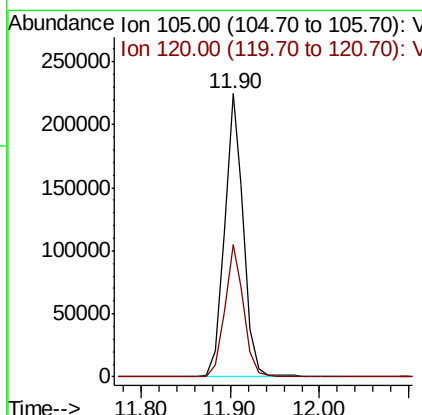
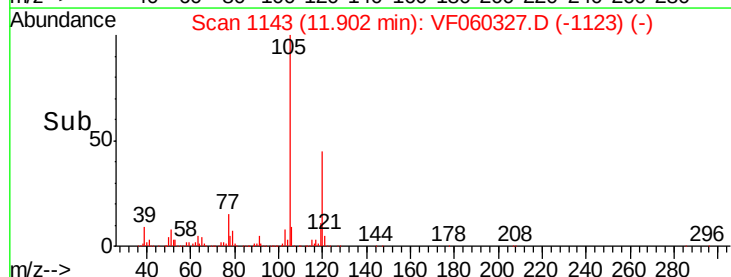
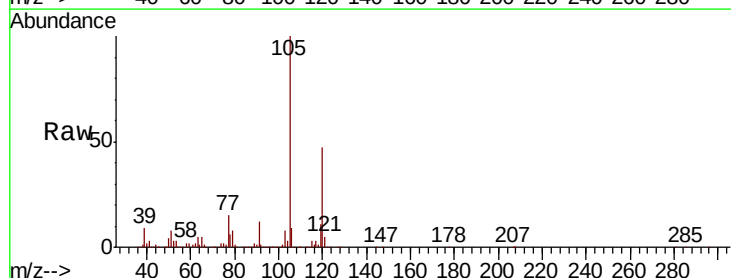
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

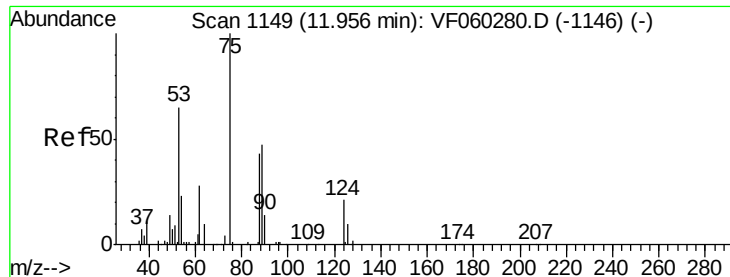
Tgt Ion: 91 Resp: 273801
 Ion Ratio Lower Upper
 91 100
 126 31.2 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 23.288 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion: 105 Resp: 333708
 Ion Ratio Lower Upper
 105 100
 120 46.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 26.073 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBSD01

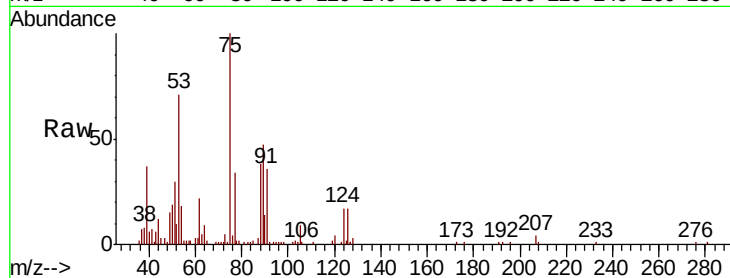
Tgt Ion: 75 Resp: 31124

Ion Ratio Lower Upper

75 100

53 70.7 56.5 84.7

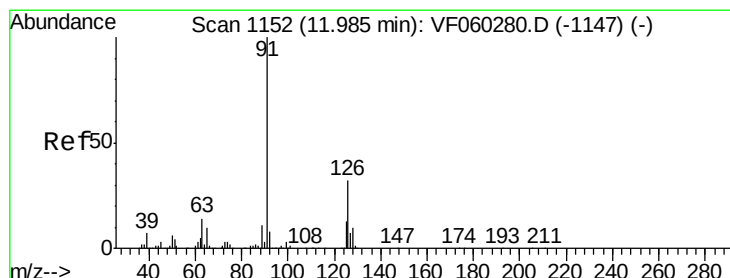
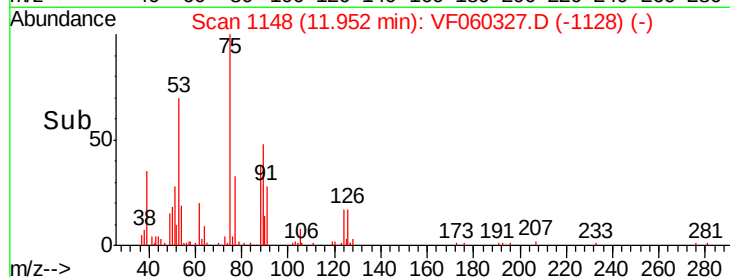
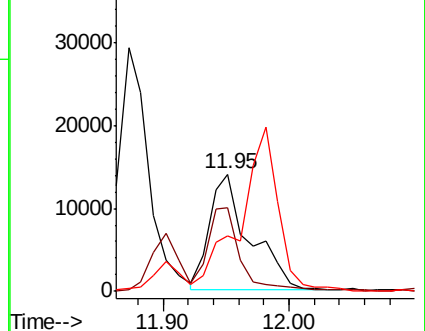
89 47.1 40.6 60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.403 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF060327.D

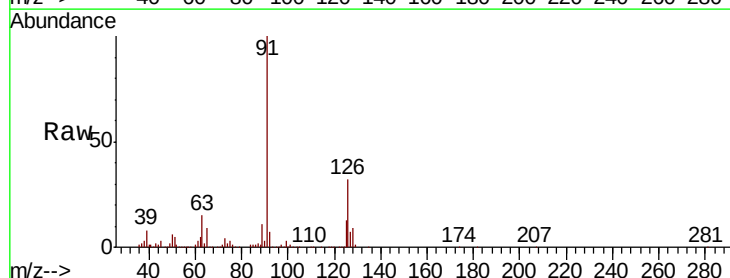
Acq: 25 Sep 2018 16:21

Tgt Ion: 91 Resp: 270389

Ion Ratio Lower Upper

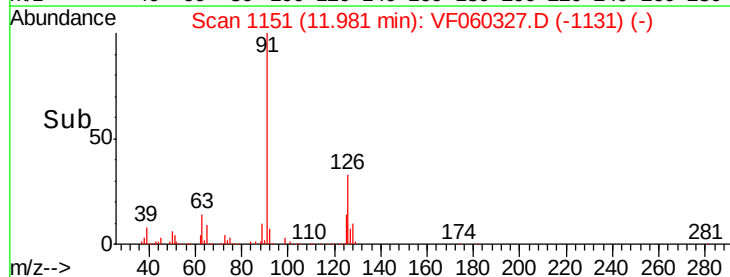
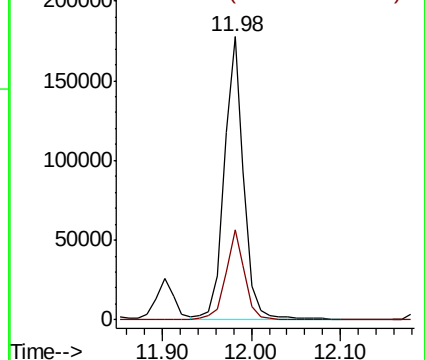
91 100

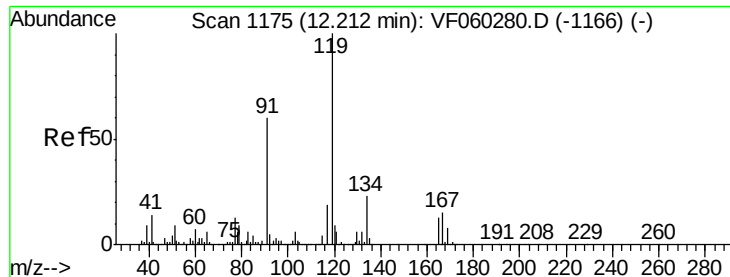
126 31.6 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

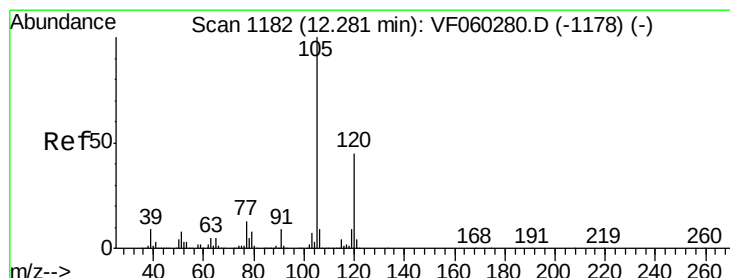
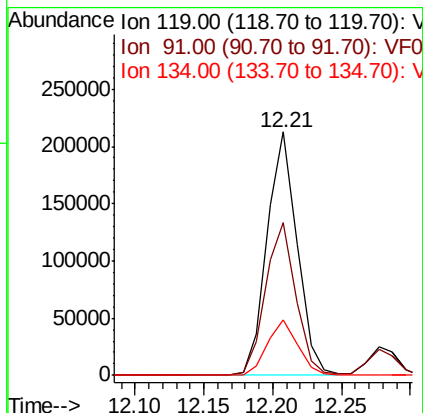
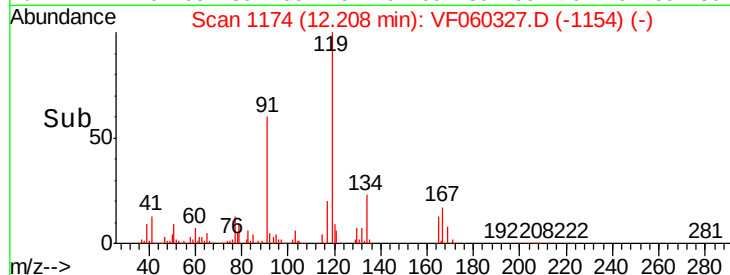
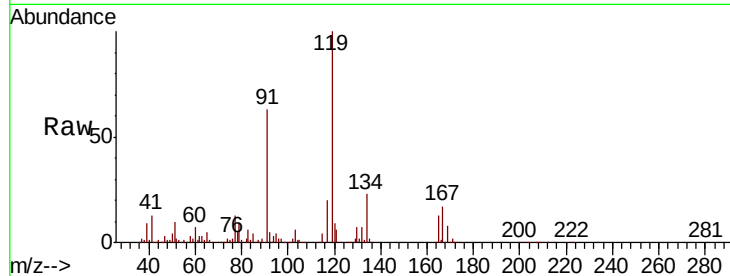




#83
 tert-Butylbenzene
 Concen: 22.309 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

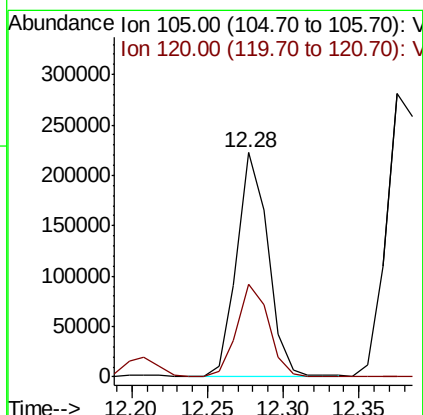
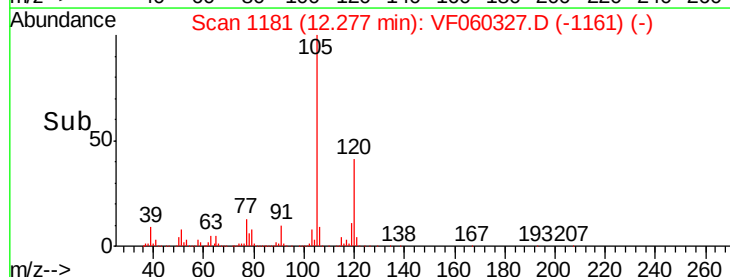
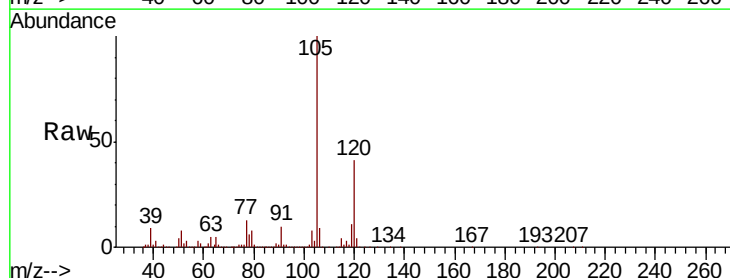
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBSD01

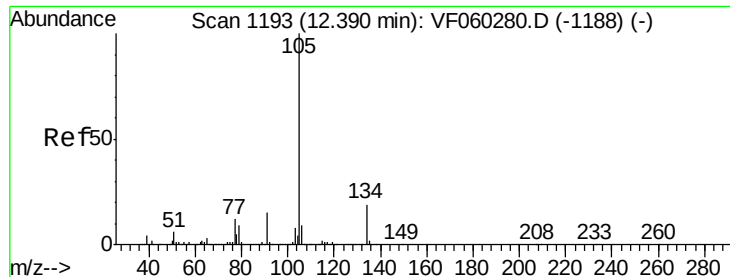
Tgt Ion:119 Resp: 324054
 Ion Ratio Lower Upper
 119 100
 91 62.8 30.3 91.0
 134 22.6 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.120 ug/l
 RT: 12.28 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion:105 Resp: 321853
 Ion Ratio Lower Upper
 105 100
 120 41.4 22.4 67.0





#85

sec-Butylbenzene

Concen: 21.937 ug/l

RT: 12.38 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

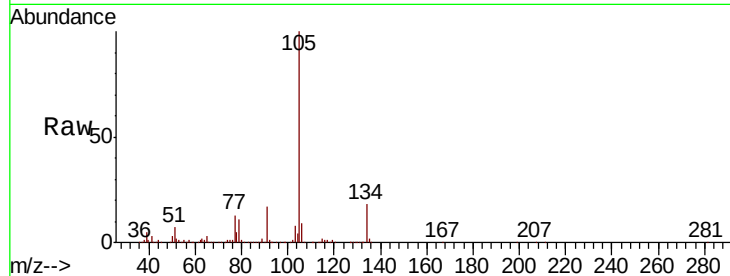
VF0925SBSD01

Tgt Ion:105 Resp: 450388

Ion Ratio Lower Upper

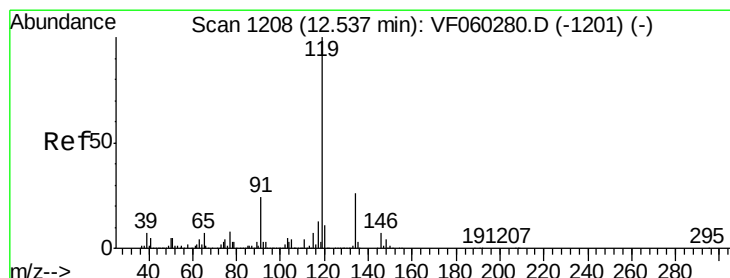
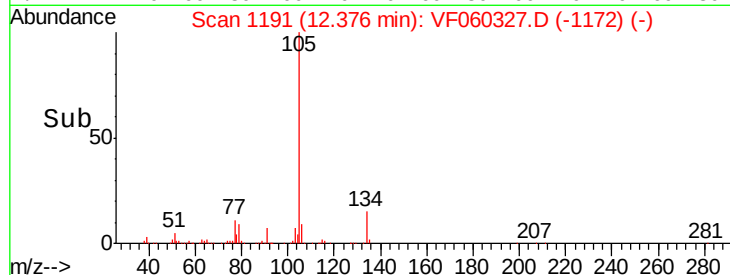
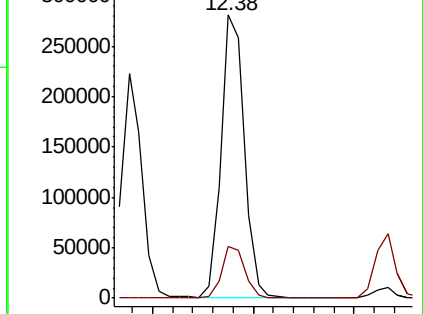
105 100

134 18.1 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.169 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

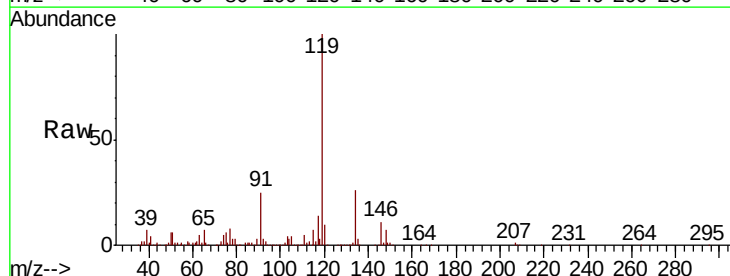
Tgt Ion:119 Resp: 370575

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

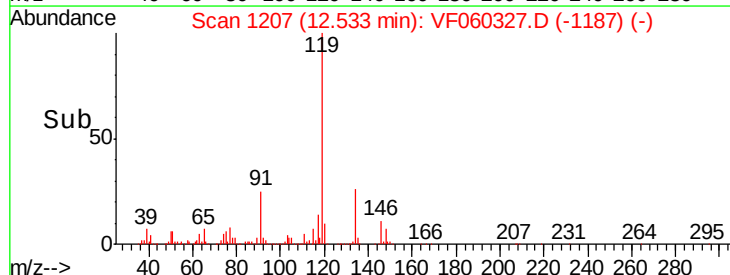
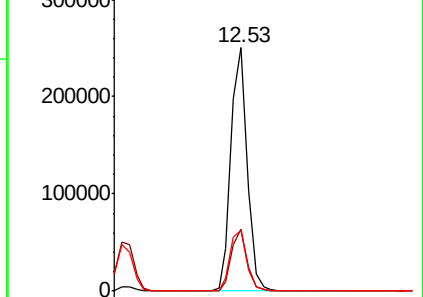
91 25.1 11.9 35.7

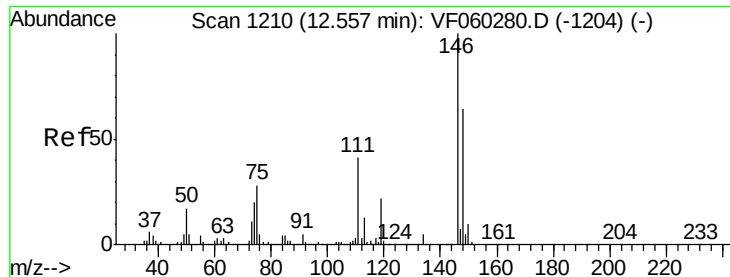


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

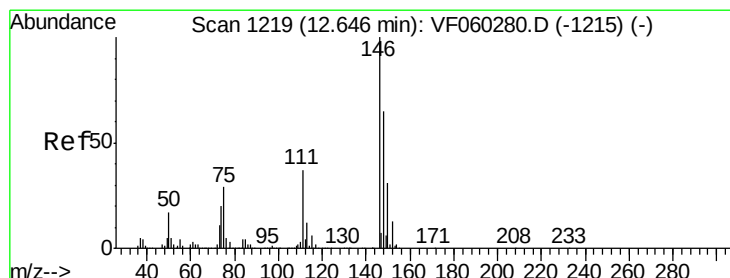
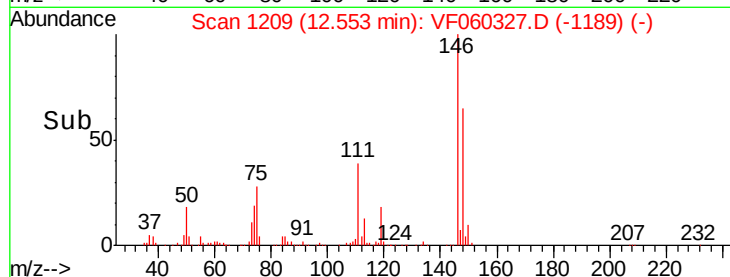
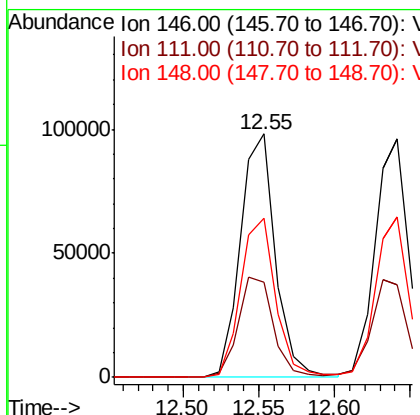
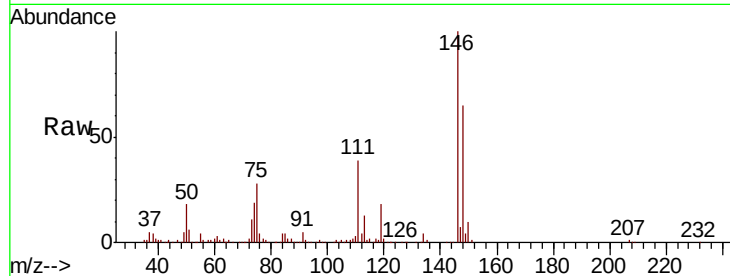




#87
 1,3-Dichlorobenzene
 Concen: 21.984 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

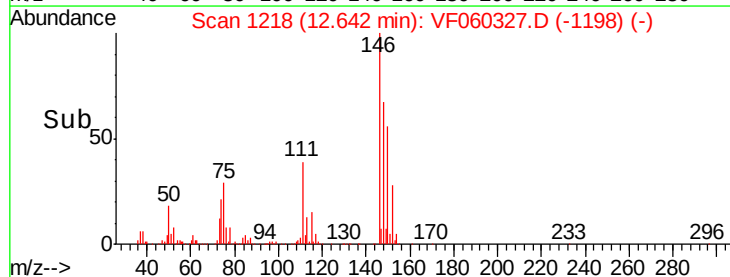
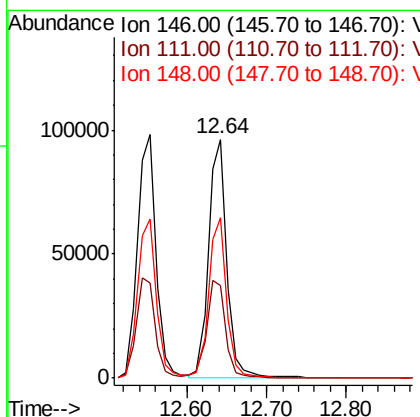
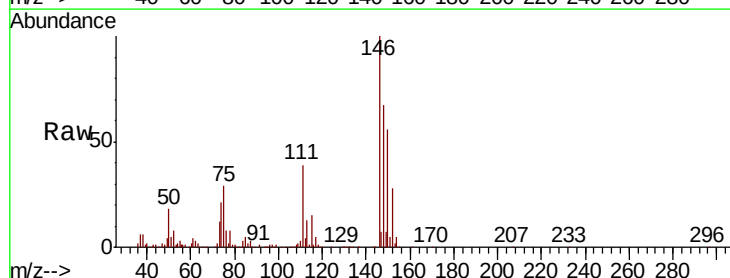
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

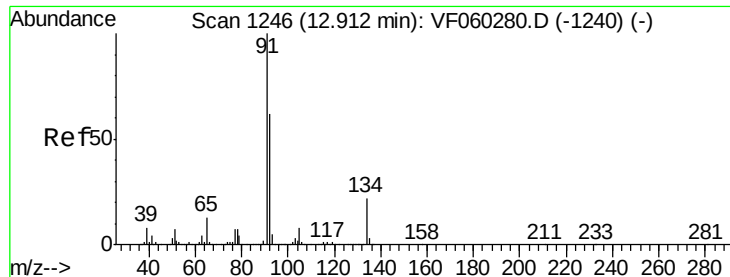
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.5	61.6
148	65.2	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 21.915 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.7	56.1
148	67.0	32.4	97.0





#89

n-Butylbenzene

Concen: 23.650 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBS01

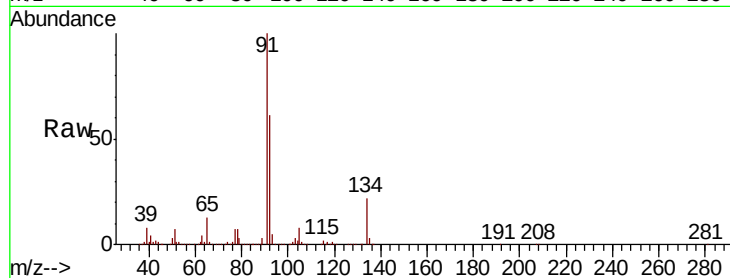
Tgt Ion: 91 Resp: 408074

Ion Ratio Lower Upper

91 100

92 61.2 31.1 93.5

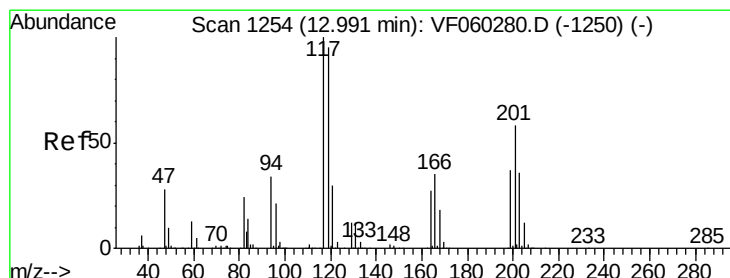
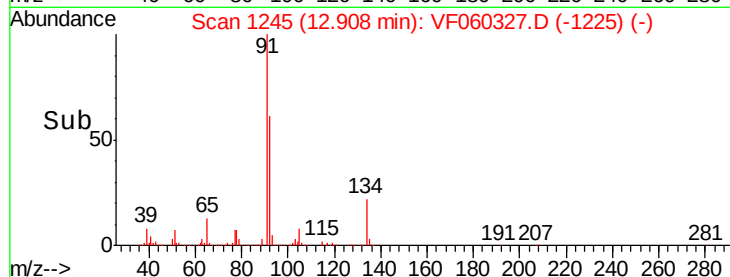
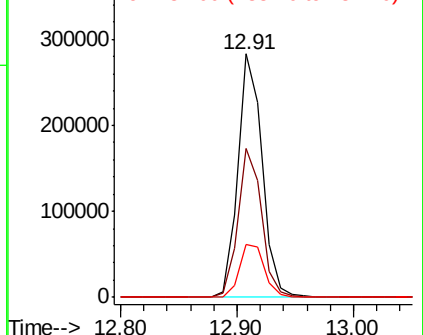
134 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 24.132 ug/l

RT: 12.99 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VF060327.D

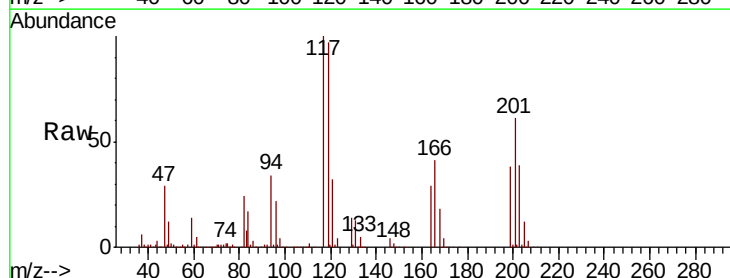
Acq: 25 Sep 2018 16:21

Tgt Ion: 117 Resp: 98091

Ion Ratio Lower Upper

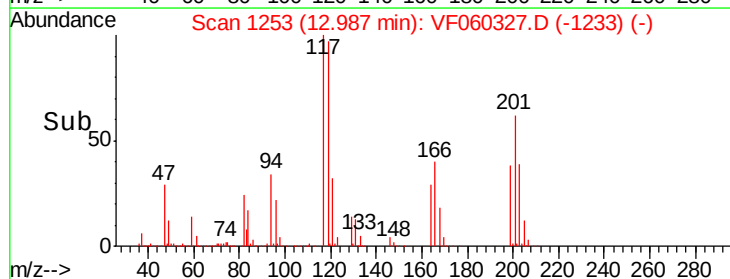
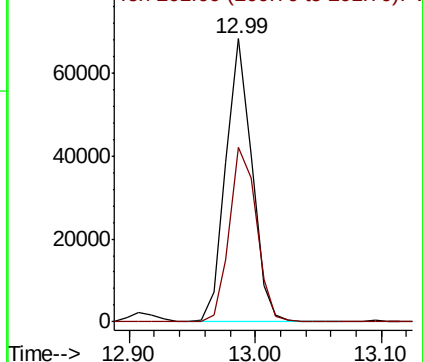
117 100

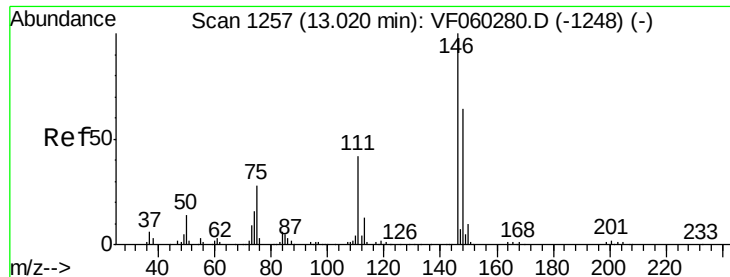
201 62.9 29.0 87.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

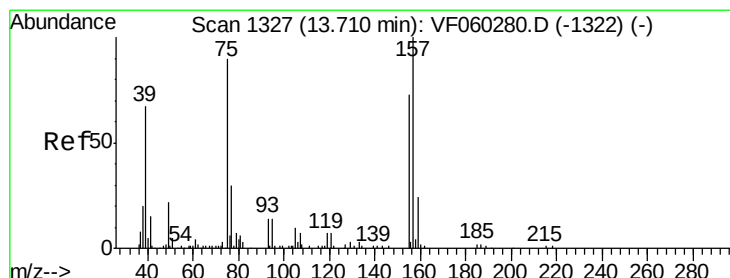
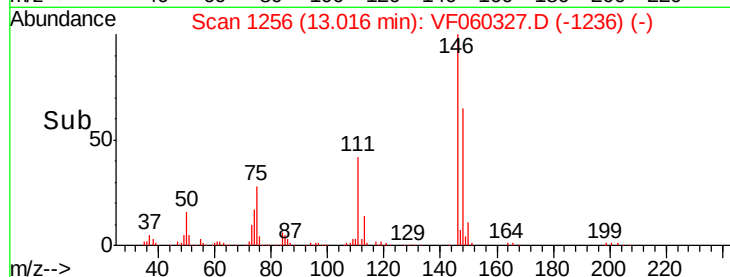
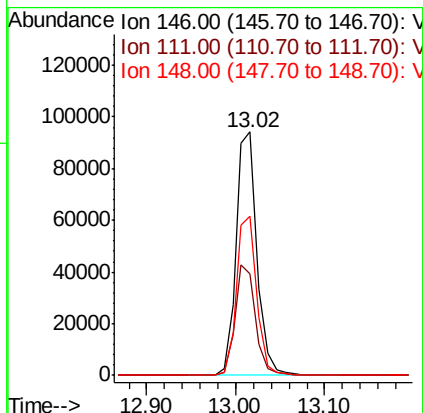
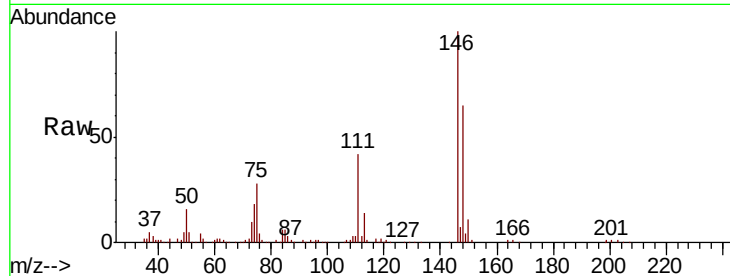




#91
 1,2-Dichlorobenzene
 Concen: 22.603 ug/l
 RT: 13.02 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

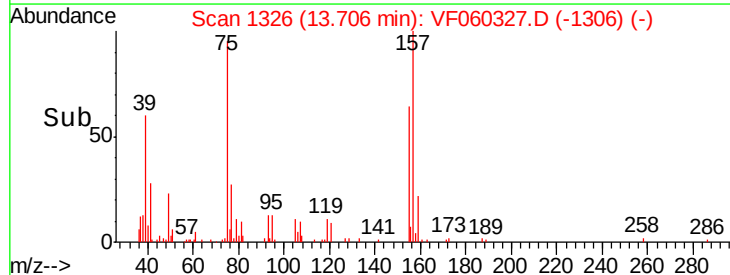
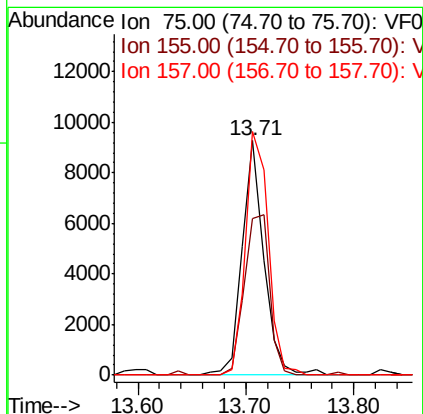
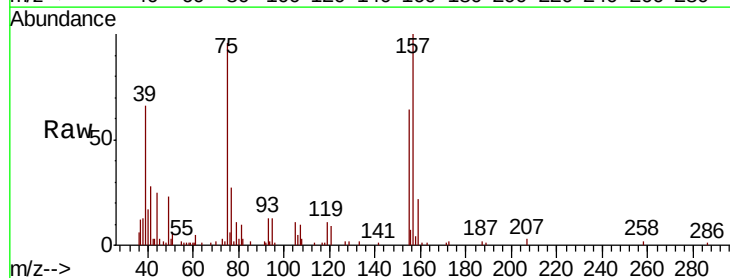
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBSD01

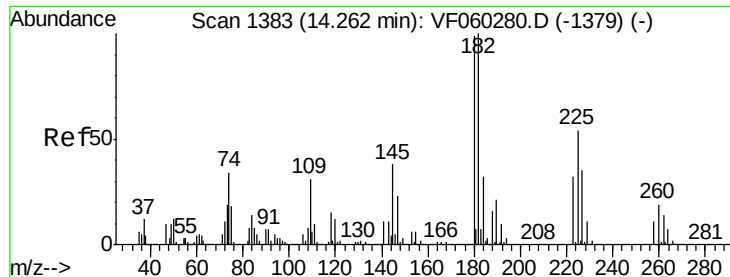
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	65.2	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.044 ug/l
 RT: 13.71 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.7	41.9	125.7
157	103.9	57.4	172.0

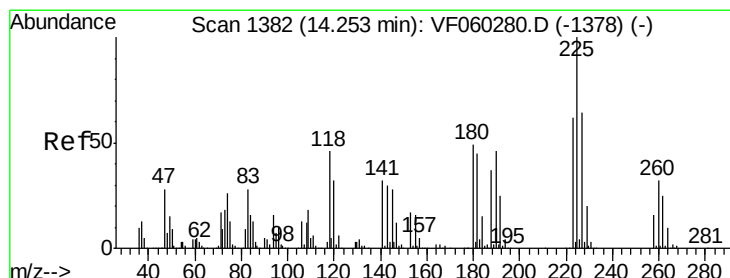
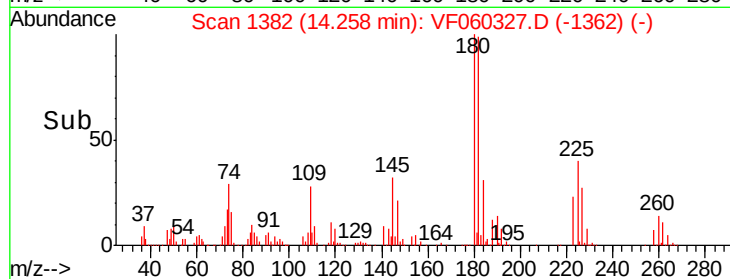
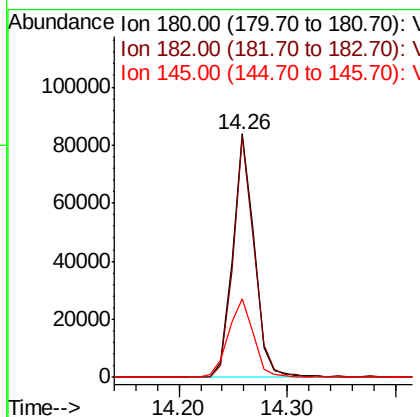
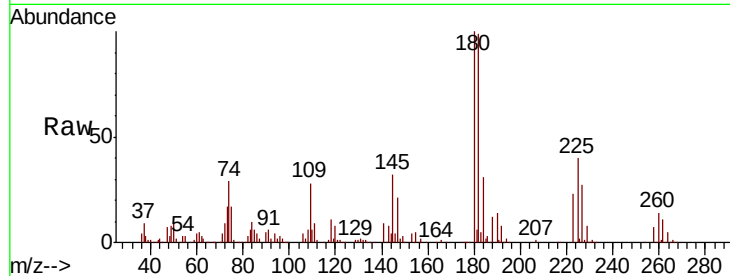




#93
 1,2,4-Trichlorobenzene
 Concen: 23.471 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

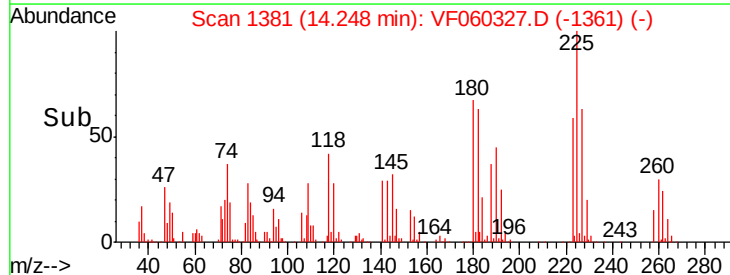
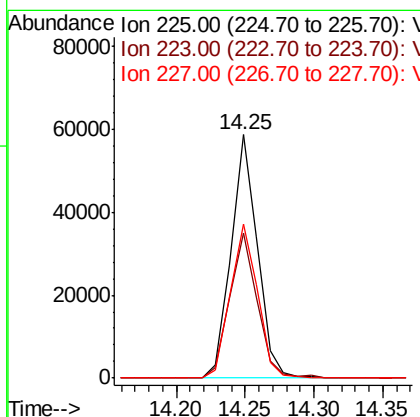
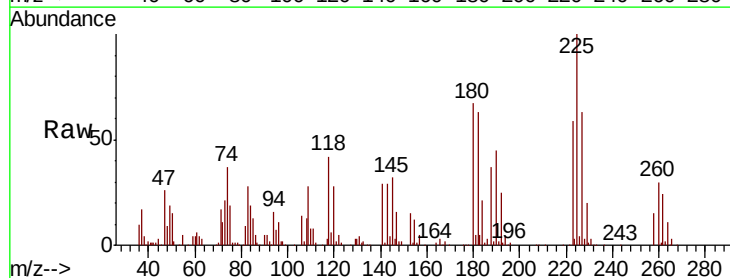
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0925SBS01

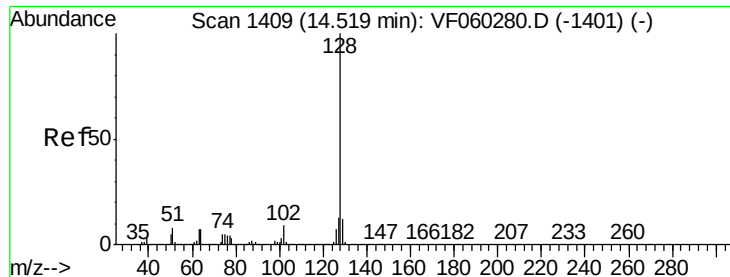
Tgt Ion:180 Resp: 116663
 Ion Ratio Lower Upper
 180 100
 182 99.1 50.3 151.0
 145 32.0 18.9 56.9



#94
 Hexachlorobutadiene
 Concen: 23.208 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VF060327.D
 Acq: 25 Sep 2018 16:21

Tgt Ion:225 Resp: 77983
 Ion Ratio Lower Upper
 225 100
 223 59.5 31.2 93.6
 227 63.4 32.2 96.6





#95

Naphthalene

Concen: 23.645 ug/l

RT: 14.51 min Scan# 1408

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VF0925SBSD01

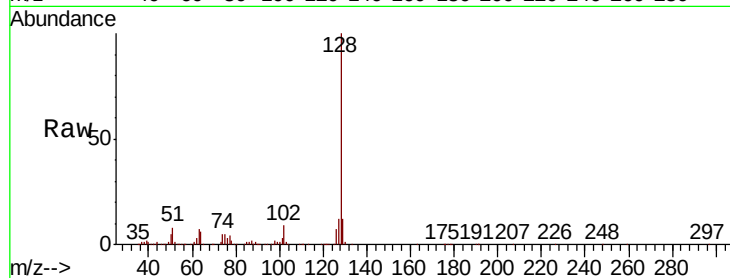
Tgt Ion:128 Resp: 206054

Ion Ratio Lower Upper

128 100

127 11.7 10.1 15.1

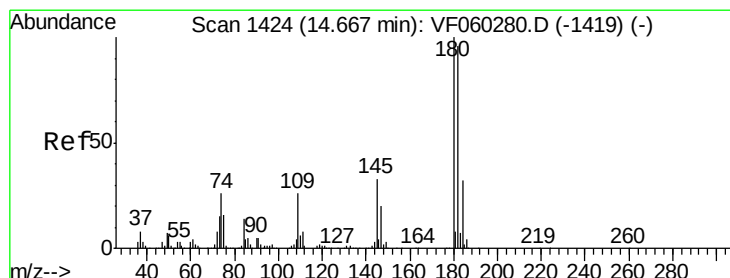
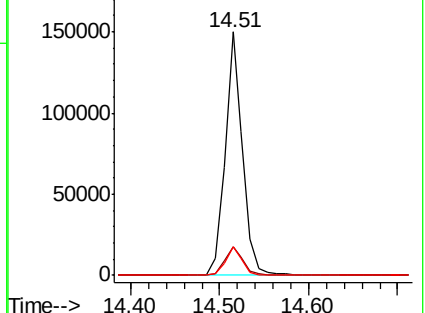
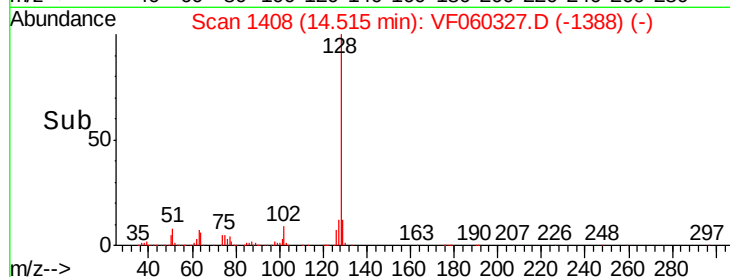
129 12.0 9.8 14.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.835 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. -0.00 min

Lab File: VF060327.D

Acq: 25 Sep 2018 16:21

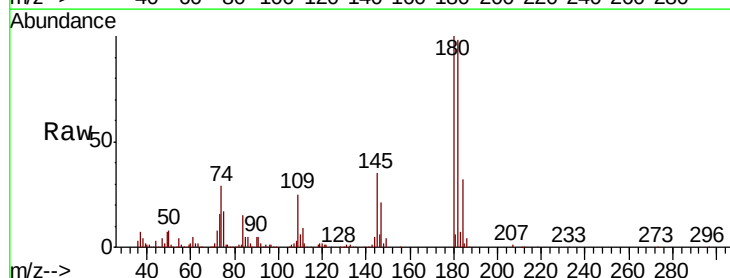
Tgt Ion:180 Resp: 104879

Ion Ratio Lower Upper

180 100

182 98.0 47.8 143.4

145 34.9 16.4 49.1



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

