

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
 Data File : VF060287.D
 Acq On : 19 Sep 2018 19:03
 Operator : VA/AP
 Sample : VF0919SBS01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Quant Time: Sep 20 04:14:21 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	5.03	168	282524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	457128	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	397822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	213259	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	190014	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
35) Dibromofluoromethane	4.28	113	197966	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	7.70	98	498056	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
62) 4-Bromofluorobenzene	11.51	95	213345	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	100749	20.099	ug/l	95
3) Chloromethane	1.13	50	79609	20.677	ug/l	95
4) Vinyl Chloride	1.18	62	76097	19.394	ug/l	89
5) Bromomethane	1.35	94	49288	17.747	ug/l	97
6) Chloroethane	1.42	64	36896	19.745	ug/l	98
7) Trichlorofluoromethane	1.53	101	152320	20.837	ug/l	96
8) Diethyl Ether	1.70	74	26818	22.051	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	1.89	101	85910	22.099	ug/l	95
10) Methyl Iodide	1.96	142	135465	21.608	ug/l	94
11) Tert butyl alcohol	2.67	59	27336	120.065	ug/l #	84
12) 1,1-Dichloroethene	1.85	96	64216	19.973	ug/l	95
13) Acrolein	2.08	56	12180	150.432	ug/l	98
14) Allyl chloride	2.18	41	114270	20.367	ug/l	92
15) Acrylonitrile	3.07	53	53126	98.877	ug/l	94
16) Acetone	2.33	43	93879	87.625	ug/l	96
17) Carbon Disulfide	1.89	76	210311	22.207	ug/l	99
18) Methyl Acetate	2.45	43	35811	20.064	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	162649	20.293	ug/l	98
20) Methylene Chloride	2.27	84	35606	5.723	ug/l	98
21) trans-1,2-Dichloroethene	2.41	96	71764	21.611	ug/l	99
22) Diisopropyl ether	2.92	45	217498	20.547	ug/l	99
23) Vinyl Acetate	3.33	43	450934	108.463	ug/l	97
24) 1,1-Dichloroethane	2.99	63	137270	19.995	ug/l	97
25) 2-Butanone	4.50	43	141247	97.949	ug/l	97
26) 2,2-Dichloropropane	3.75	77	79461	20.286	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	88639	20.319	ug/l	93
28) Bromochloromethane	3.88	49	52921	19.800	ug/l	83
29) Tetrahydrofuran	4.24	42	55370	104.851	ug/l	96
30) Chloroform	4.03	83	168428	20.333	ug/l	92
31) Cyclohexane	3.85	56	124373	21.448	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	140290	21.464	ug/l	98
36) 1,1-Dichloropropene	4.45	75	119699	20.992	ug/l	97
37) Ethyl Acetate	4.28	43	55157	22.861	ug/l	91
38) Carbon Tetrachloride	4.16	117	129004	21.063	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	132422	21.428	ug/l	96
40) Benzene	4.79	78	269023	20.807	ug/l	99
41) Methacrylonitrile	4.90	41	27805	21.239	ug/l #	92
42) 1,2-Dichloroethane	5.11	62	100089	21.032	ug/l	99
43) Isopropyl Acetate	7.10	43	62687	21.582	ug/l #	85
44) Trichloroethene	5.66	130	85635	22.255	ug/l	93
45) 1,2-Dichloropropane	6.39	63	74162	22.163	ug/l #	87
46) Dibromomethane	6.24	93	49949	20.883	ug/l	95
47) Bromodichloromethane	6.54	83	123354	21.460	ug/l	100
48) Methyl methacrylate	6.86	41	45016	22.078	ug/l	98
49) 1,4-Dioxane	6.85	88	7948	436.332	ug/l	94
51) 4-Methyl-2-Pentanone	8.39	43	235843	105.351	ug/l	95
52) Toluene	7.77	92	166503	20.356	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	98328	21.208	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	119681	20.490	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	54166	21.819	ug/l	92
56) Ethyl methacrylate	8.76	69	63440	21.159	ug/l	93
57) 1,3-Dichloropropane	8.99	76	82069	19.966	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	27670	104.395	ug/l	100
59) 2-Hexanone	9.62	43	173673	108.959	ug/l	97
60) Dibromochloromethane	8.86	129	77202	20.865	ug/l	97
61) 1,2-Dibromoethane	9.13	107	59181	21.408	ug/l	93
64) Tetrachloroethene	8.29	164	77272	21.427	ug/l	95
65) Chlorobenzene	9.93	112	184569	20.470	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	79203	21.167	ug/l	92
67) Ethyl Benzene	10.03	91	362317	21.734	ug/l	98
68) m/p-Xylenes	10.25	106	241095	41.860	ug/l	95
69) o-Xylene	10.82	106	138238	21.399	ug/l	100
70) Styrene	10.90	104	195727	21.484	ug/l	98
71) Bromoform	10.89	173	42873	20.863	ug/l	92
73) Isopropylbenzene	11.22	105	405569	21.184	ug/l	100
74) N-amyl acetate	11.46	43	98260	24.068	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	72140	21.262	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	50956	20.975	ug/l	90
77) Bromobenzene	11.59	156	82861	20.083	ug/l	87
78) n-propylbenzene	11.68	91	482419	20.673	ug/l	98
79) 2-Chlorotoluene	11.80	91	272143	21.073	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	329721	21.395	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	32200	25.081	ug/l	99
82) 4-Chlorotoluene	11.98	91	271108	20.886	ug/l	97
83) tert-Butylbenzene	12.21	119	333774	21.365	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	329725	21.070	ug/l	99
85) sec-Butylbenzene	12.38	105	450915	19.728	ug/l	96
86) p-Isopropyltoluene	12.53	119	370210	20.852	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	162969	21.138	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	155811	20.446	ug/l	97
89) n-Butylbenzene	12.92	91	399745	21.034	ug/l	96
90) Hexachloroethane	13.00	117	90740	20.757	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	154502	21.007	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12251	19.232	ug/l	81

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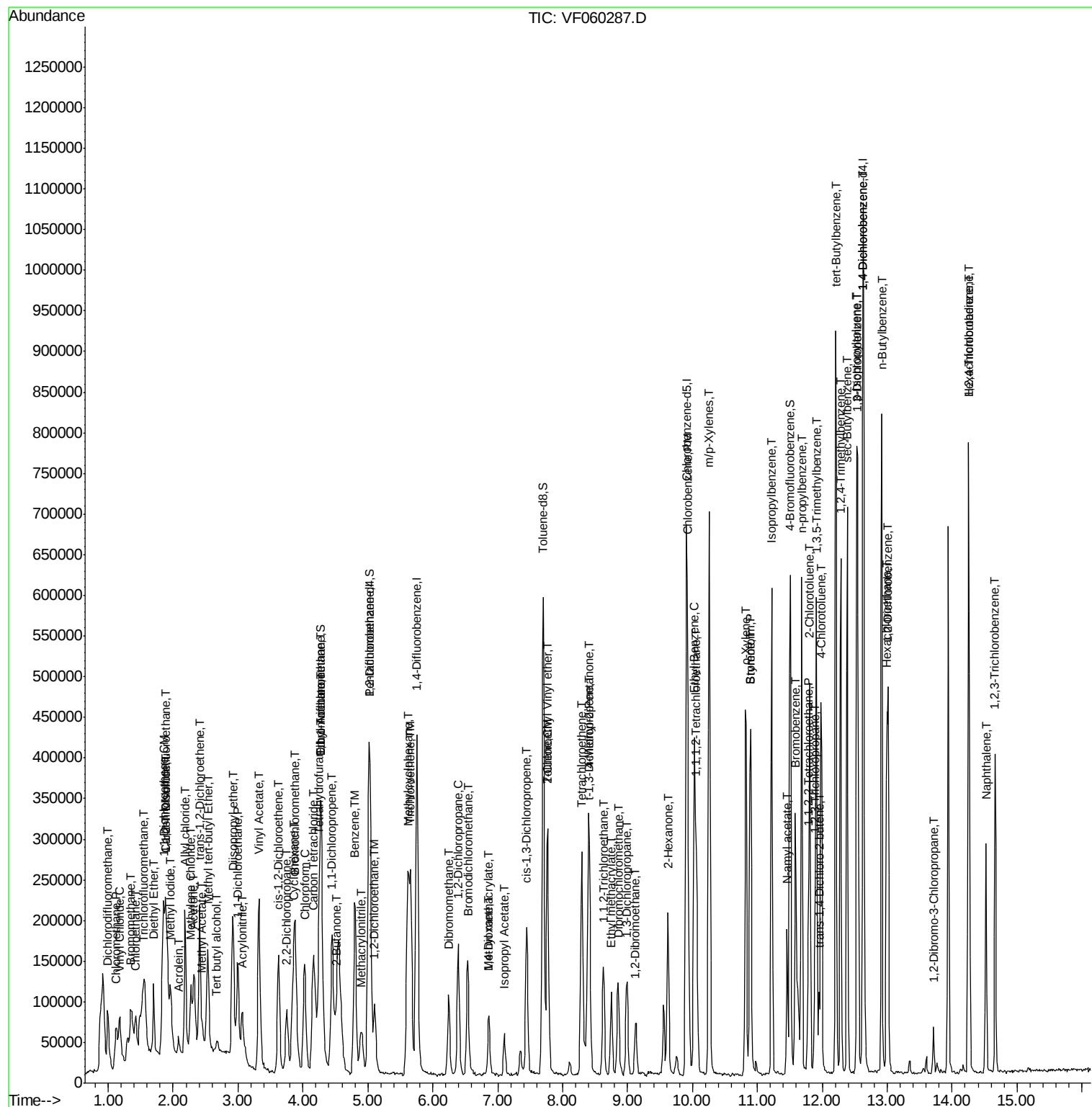
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	116463	21.786	ug/l	92
94) Hexachlorobutadiene	14.26	225	78262	21.657	ug/l	95
95) Naphthalene	14.52	128	217543	23.211	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	101938	20.637	ug/l	94

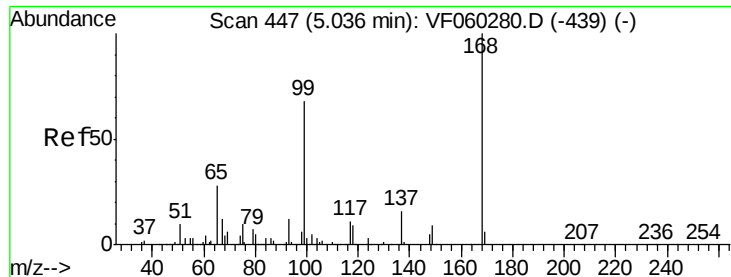
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

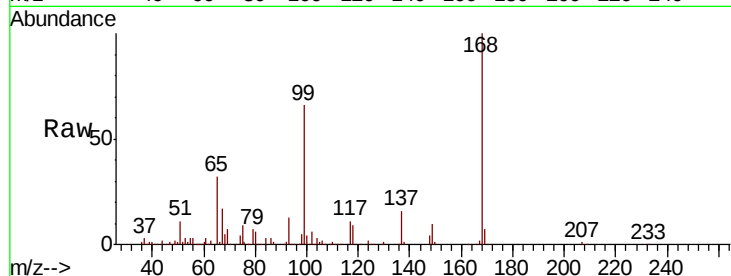
VF0919SBS01

Tgt Ion:168 Resp: 282524

Ion Ratio Lower Upper

168 100

99 65.7 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

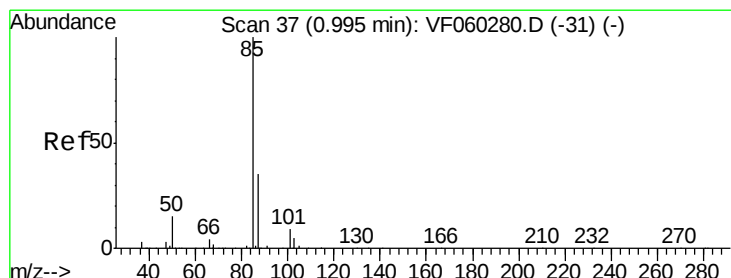
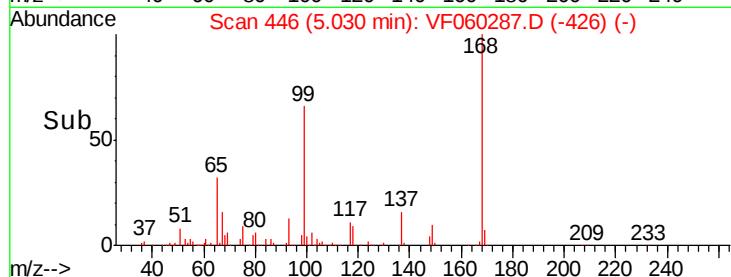
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.099 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060287.D

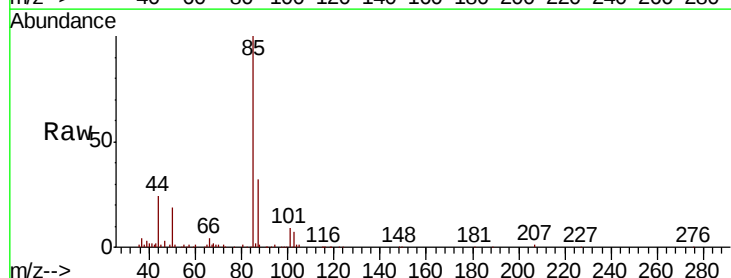
Acq: 19 Sep 2018 19:03

Tgt Ion: 85 Resp: 100749

Ion Ratio Lower Upper

85 100

87 32.0 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

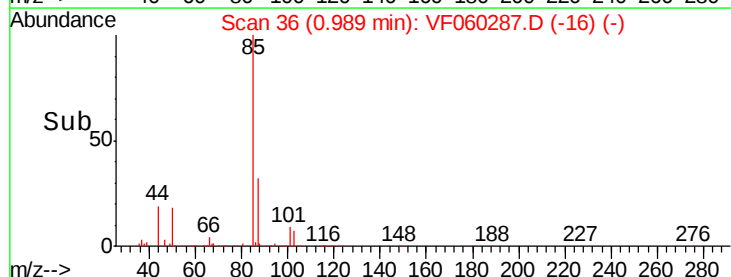
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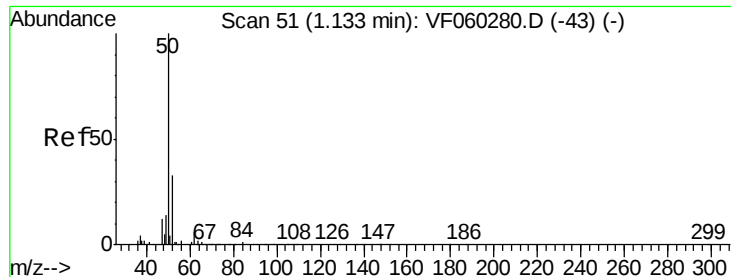
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.677 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

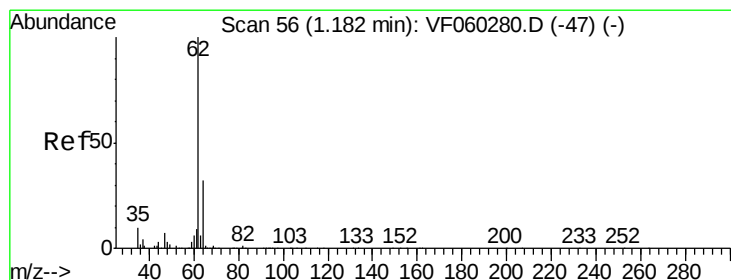
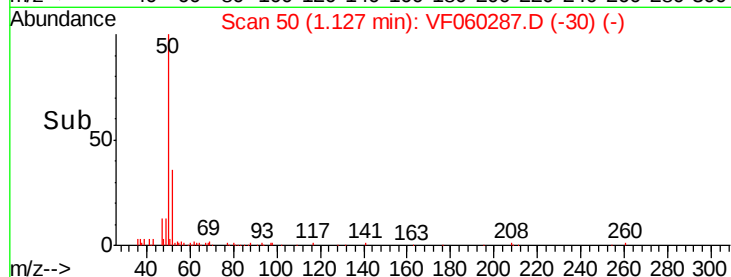
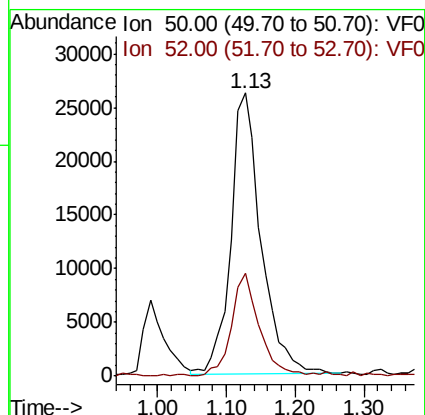
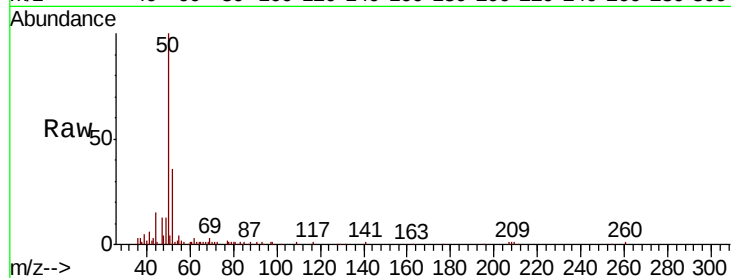
VF0919SBS01

Tgt Ion: 50 Resp: 79609

Ion Ratio Lower Upper

50 100

52 36.2 26.5 39.7



#4

Vinyl Chloride

Concen: 19.394 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060287.D

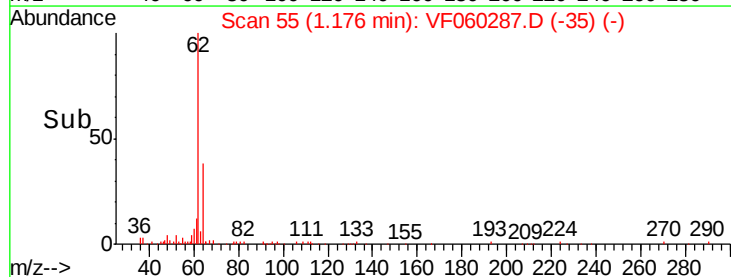
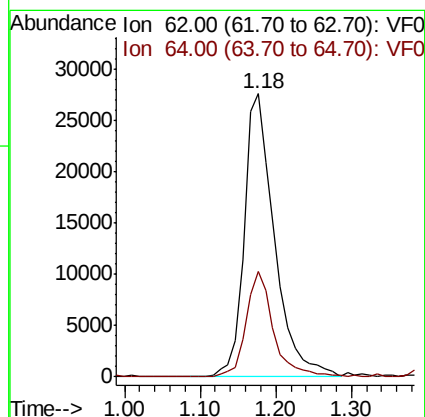
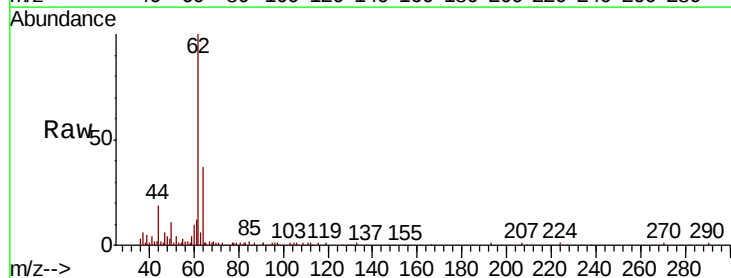
Acq: 19 Sep 2018 19:03

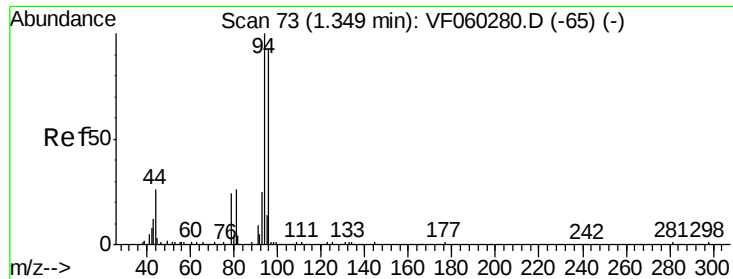
Tgt Ion: 62 Resp: 76097

Ion Ratio Lower Upper

62 100

64 37.4 25.2 37.8





#5

Bromomethane

Concen: 17.747 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

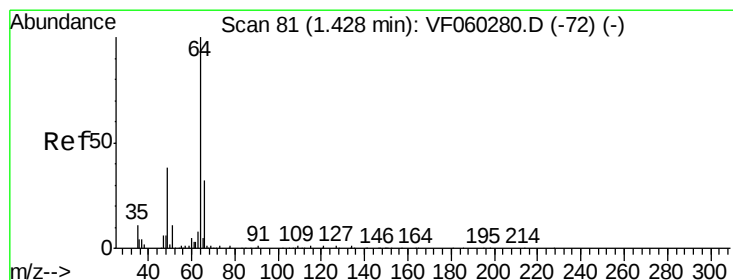
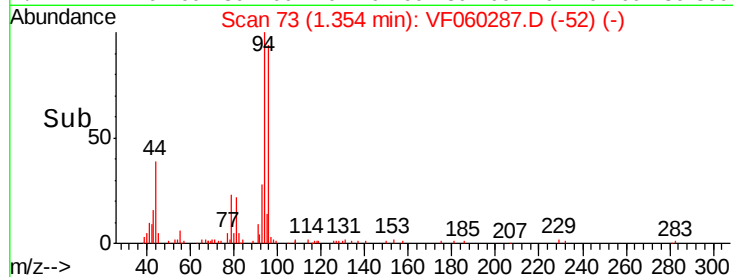
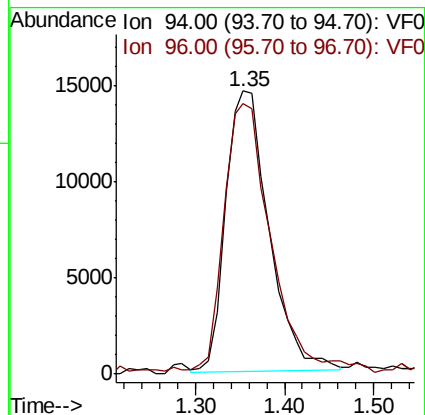
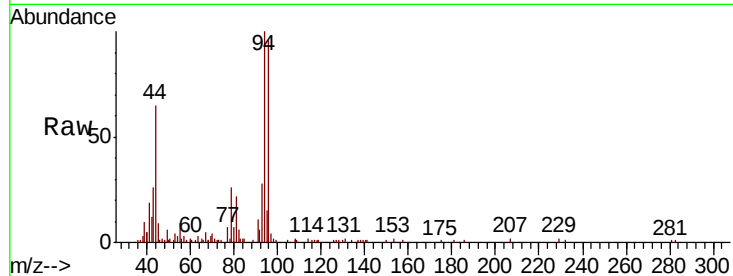
VF0919SBS01

Tgt Ion: 94 Resp: 49288

Ion Ratio Lower Upper

94 100

96 95.5 73.9 110.9



#6

Chloroethane

Concen: 19.745 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060287.D

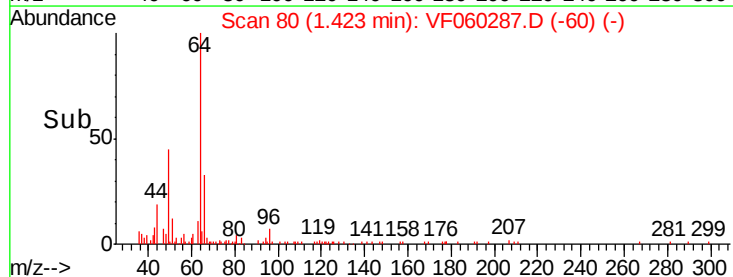
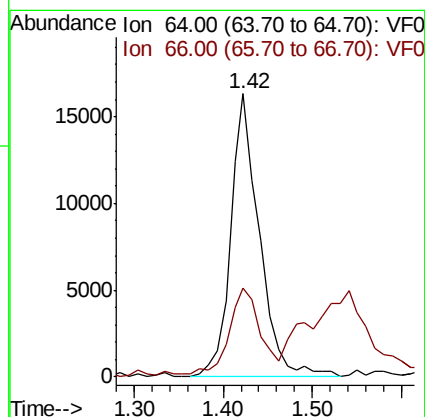
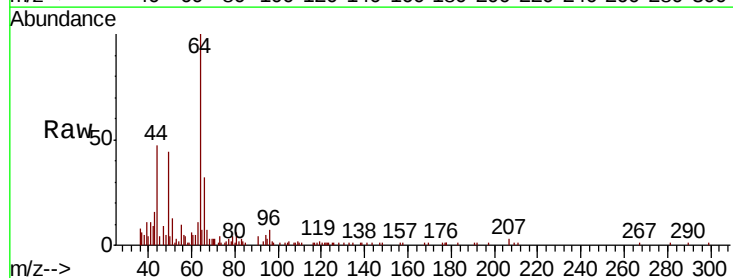
Acq: 19 Sep 2018 19:03

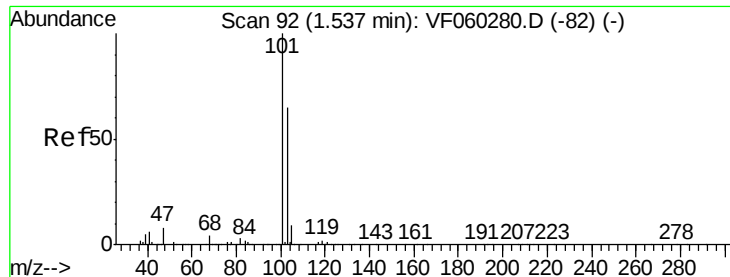
Tgt Ion: 64 Resp: 36896

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.2





#7

Trichlorofluoromethane

Concen: 20.837 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

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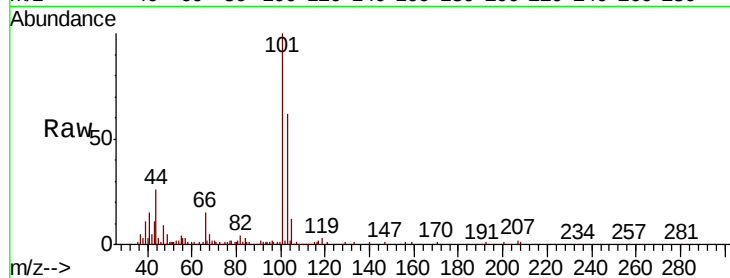
VF0919SBSD01

Tgt Ion:101 Resp: 152320

Ion Ratio Lower Upper

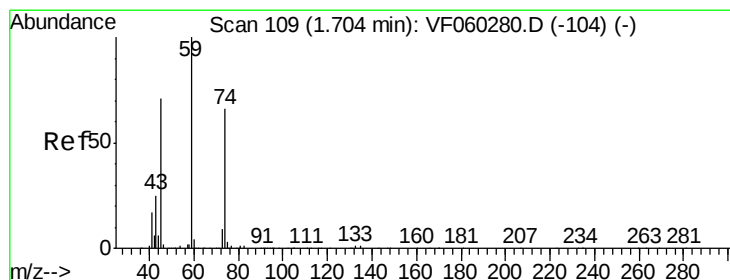
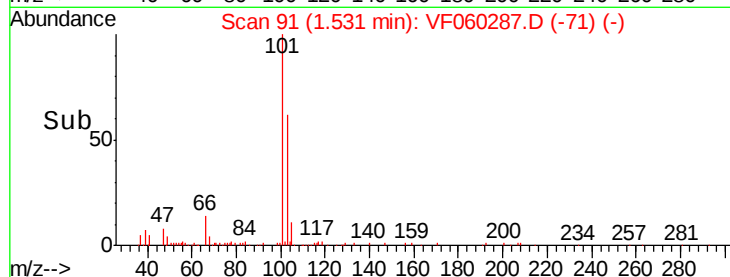
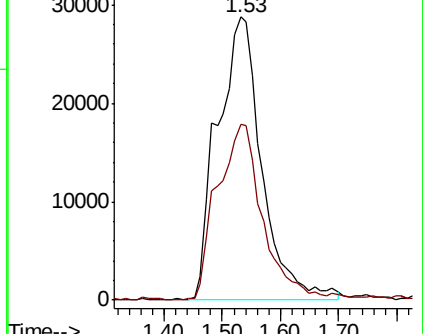
101 100

103 61.9 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: 22.051 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060287.D

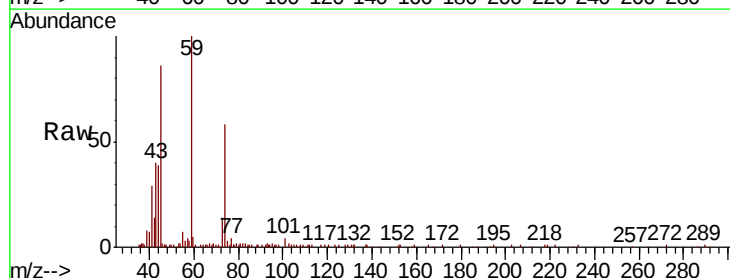
Acq: 19 Sep 2018 19:03

Tgt Ion: 74 Resp: 26818

Ion Ratio Lower Upper

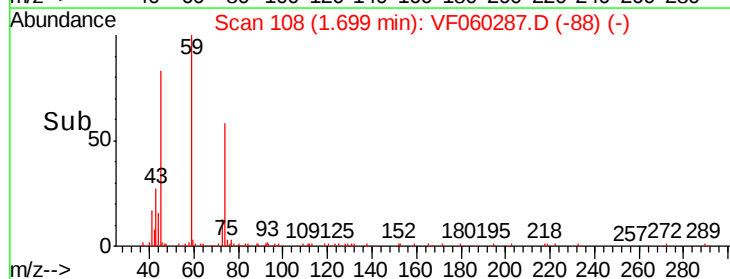
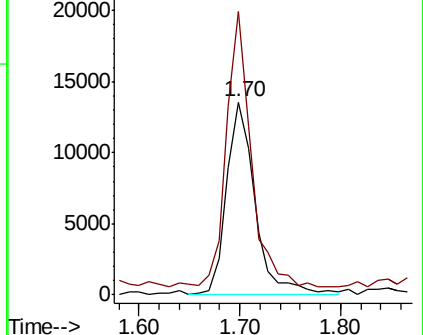
74 100

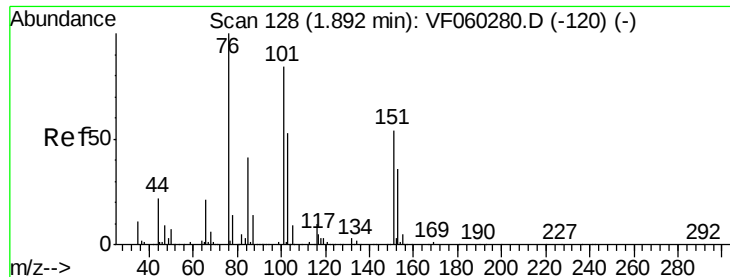
45 146.7 53.9 161.7



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: 22.099 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.01 min

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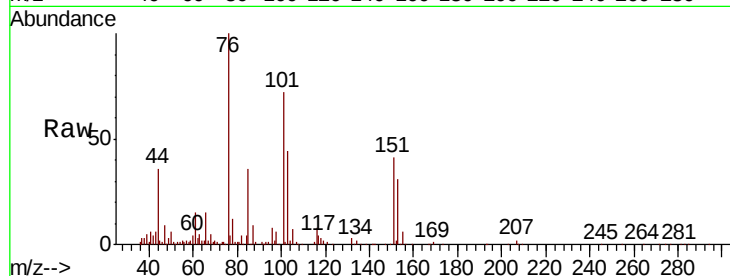
Tgt Ion:101 Resp: 85910

Ion Ratio Lower Upper

101 100

85 49.8 38.7 58.1

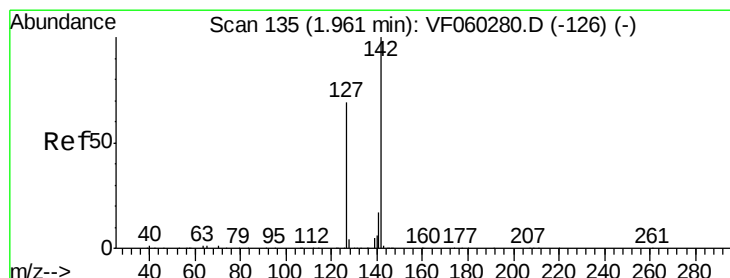
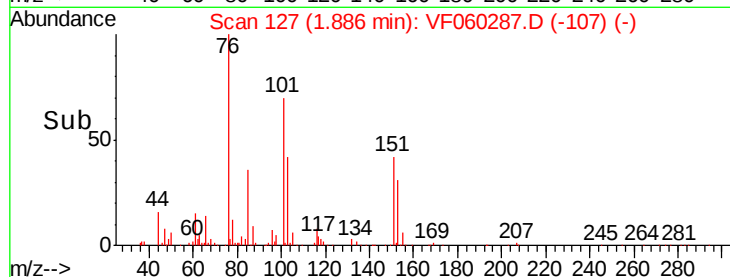
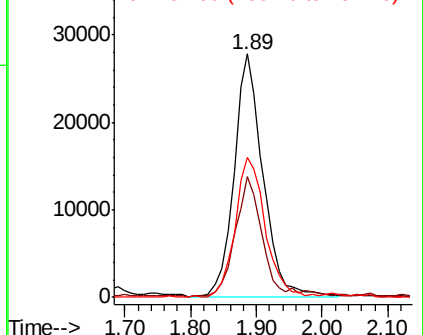
151 57.6 50.8 76.2



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: 21.608 ug/l

RT: 1.96 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

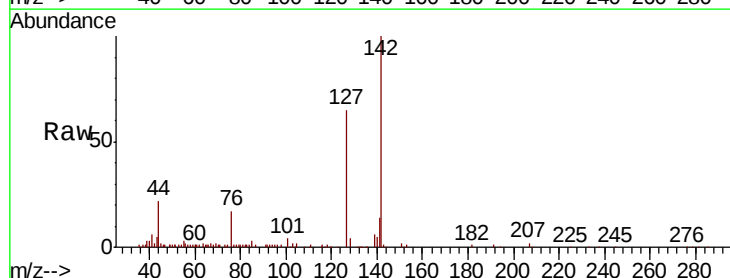
Tgt Ion:142 Resp: 135465

Ion Ratio Lower Upper

142 100

127 64.6 55.4 83.0

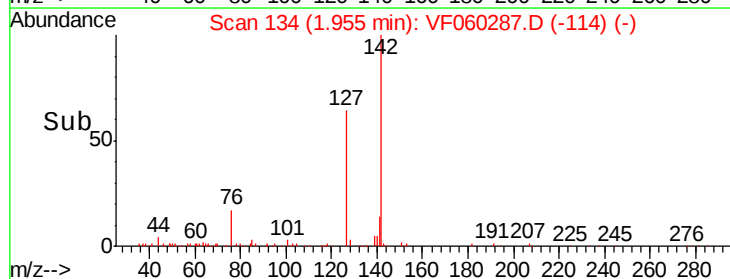
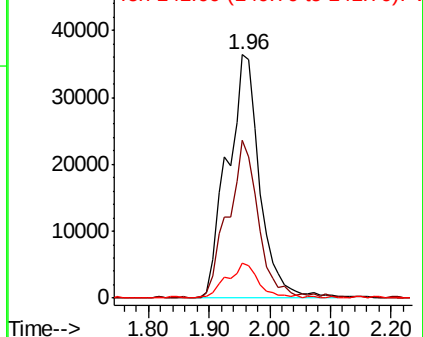
141 14.4 13.3 19.9

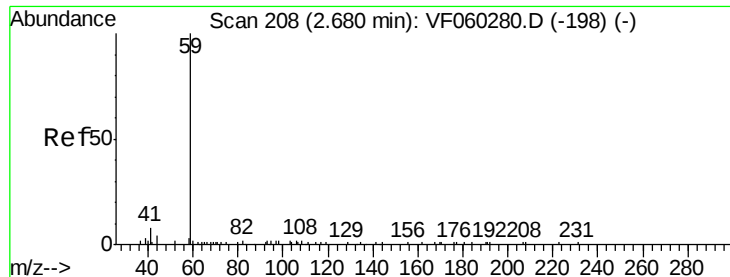


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

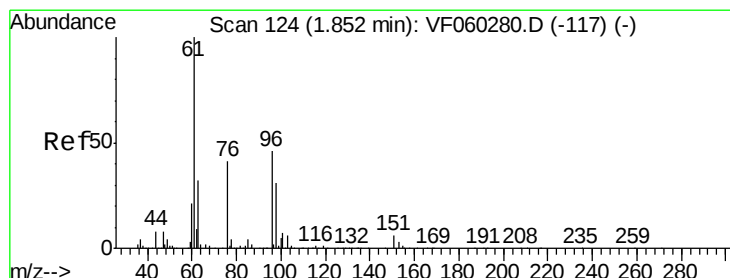
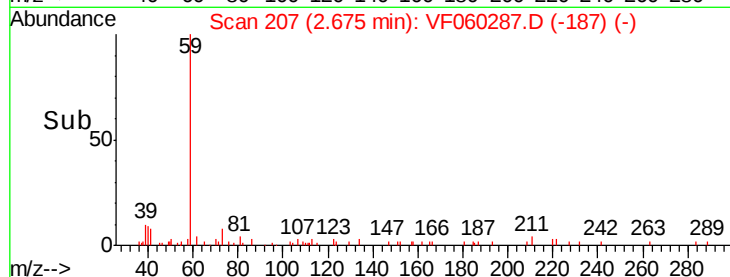
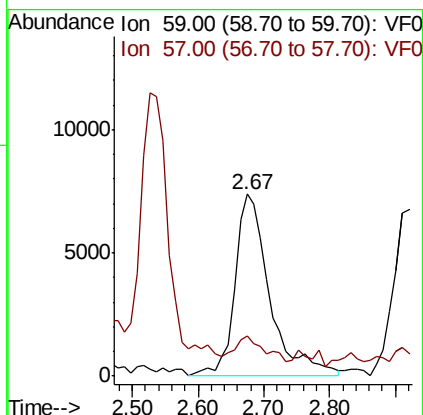
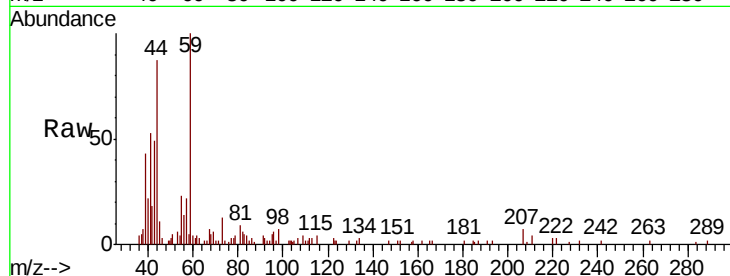




#11
Tert butyl alcohol
Concen: 120.065 ug/l
RT: 2.67 min Scan# 207
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

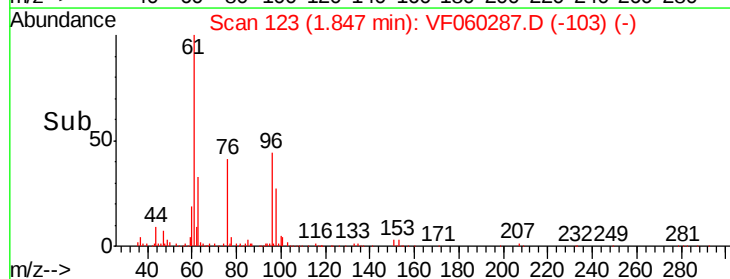
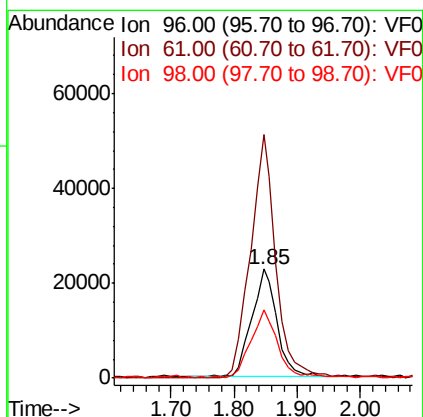
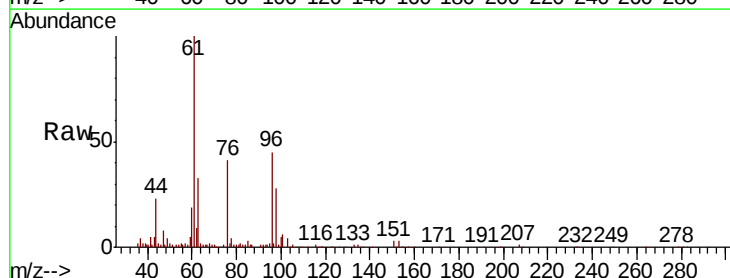
Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

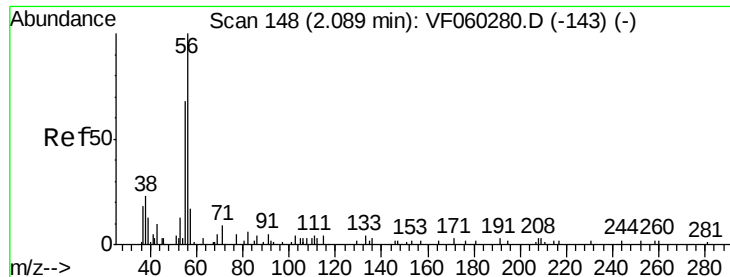
Tgt Ion: 59 Resp: 27336
Ion Ratio Lower Upper
59 100
57 22.3 12.4 18.6#



#12
1,1-Dichloroethene
Concen: 19.973 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion: 96 Resp: 64216
Ion Ratio Lower Upper
96 100
61 224.1 172.2 258.2
98 65.4 54.1 81.1





#13

Acrolein

Concen: 150.432 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

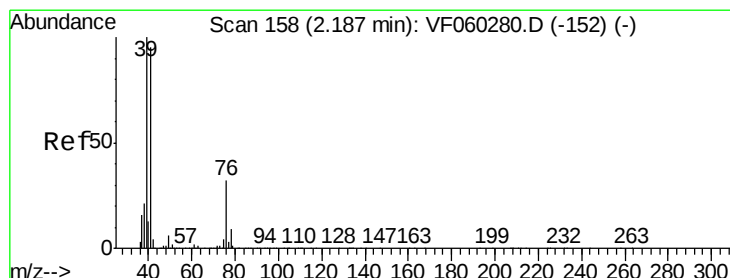
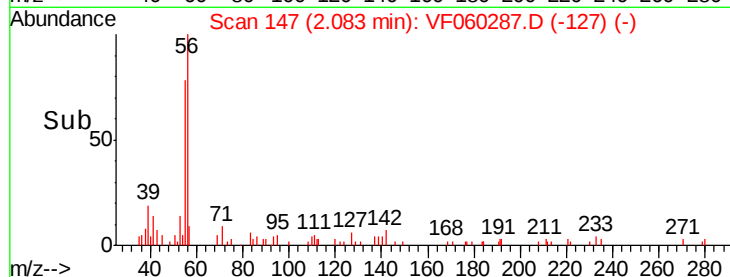
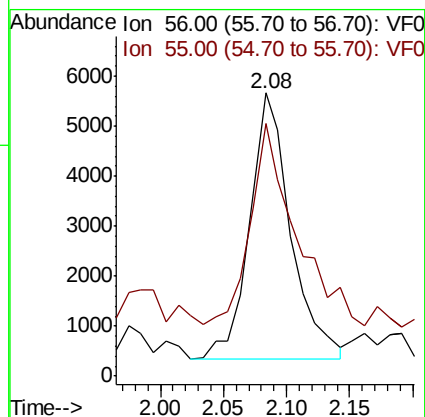
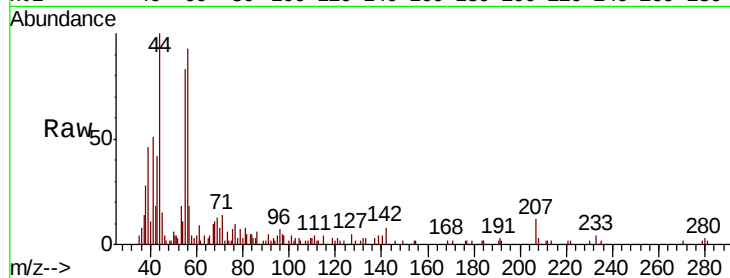
VF0919SBSD01

Tgt Ion: 56 Resp: 12180

Ion Ratio Lower Upper

56 100

55 89.1 69.9 104.9



#14

Allyl chloride

Concen: 20.367 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

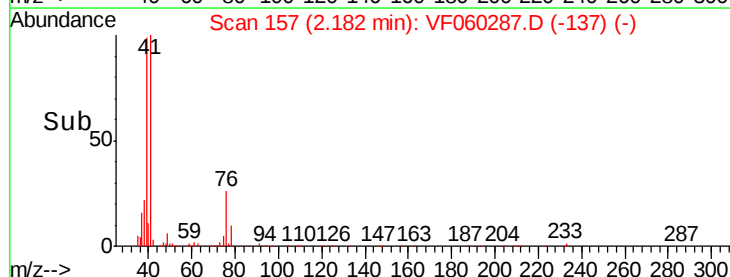
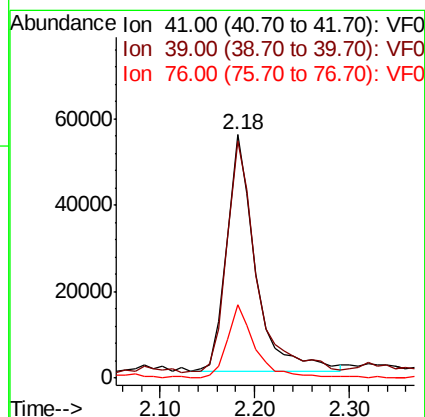
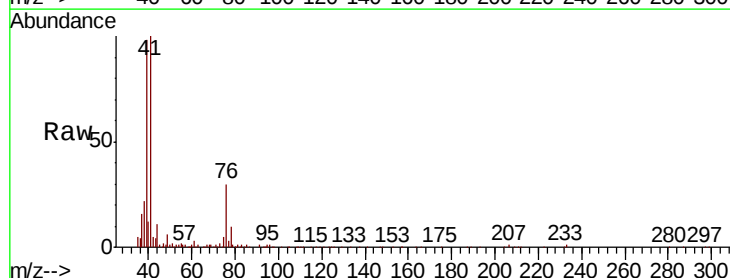
Tgt Ion: 41 Resp: 114270

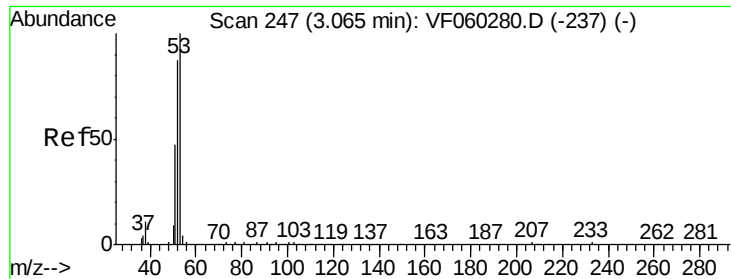
Ion Ratio Lower Upper

41 100

39 97.7 84.8 127.2

76 30.1 27.4 41.2

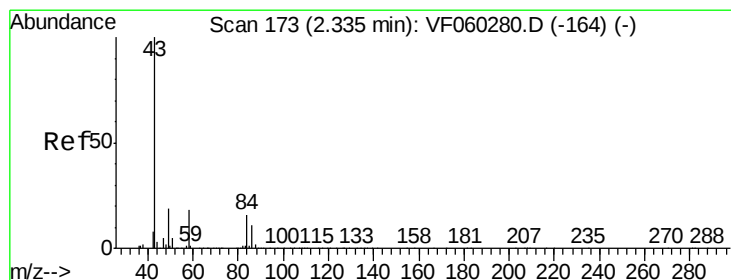
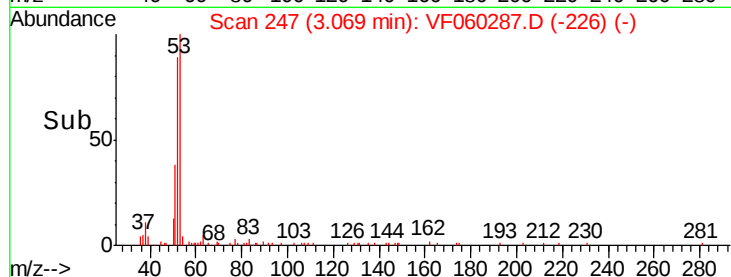
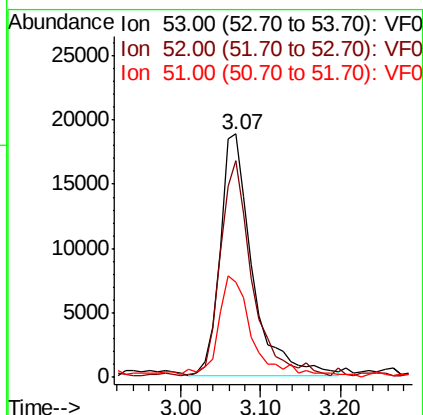
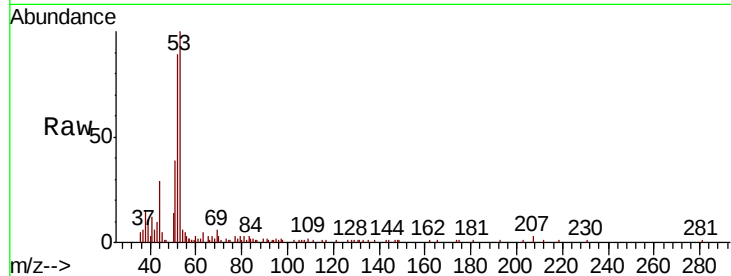




#15
 Acrylonitrile
 Concen: 98.877 ug/l
 RT: 3.07 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

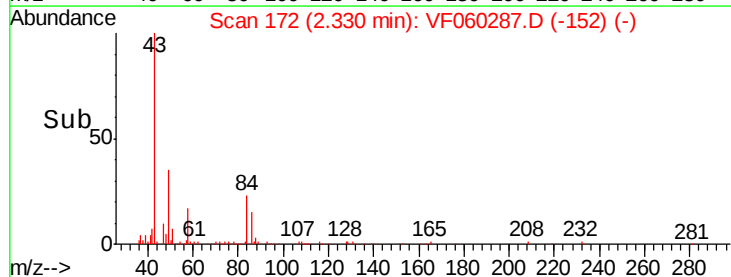
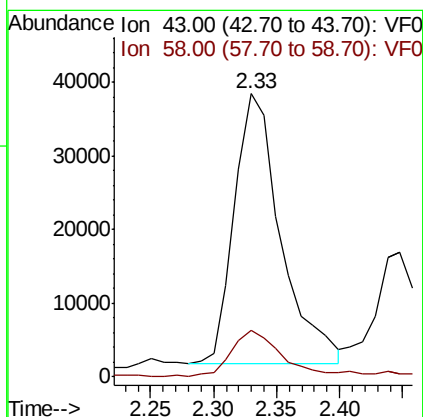
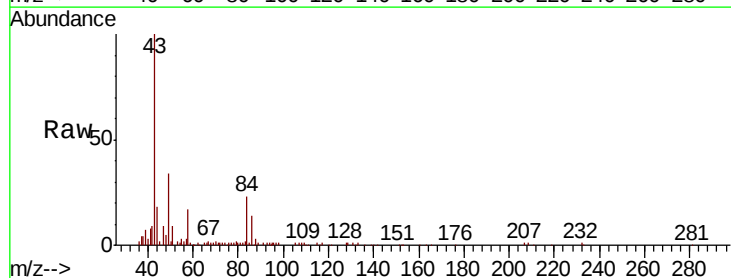
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

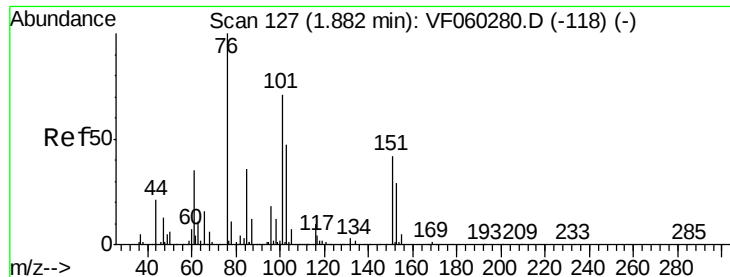
Tgt Ion: 53 Resp: 53126
 Ion Ratio Lower Upper
 53 100
 52 89.1 69.5 104.3
 51 39.1 38.1 57.1



#16
 Acetone
 Concen: 87.625 ug/l
 RT: 2.33 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion: 43 Resp: 93879
 Ion Ratio Lower Upper
 43 100
 58 16.5 14.5 21.7

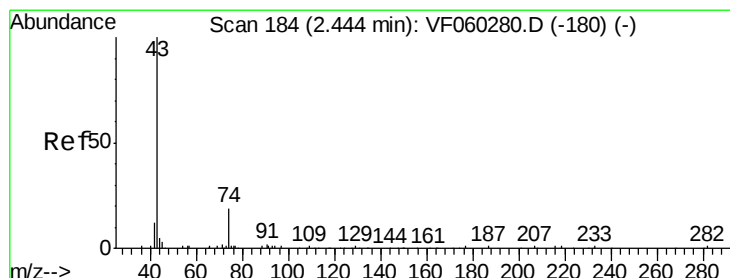
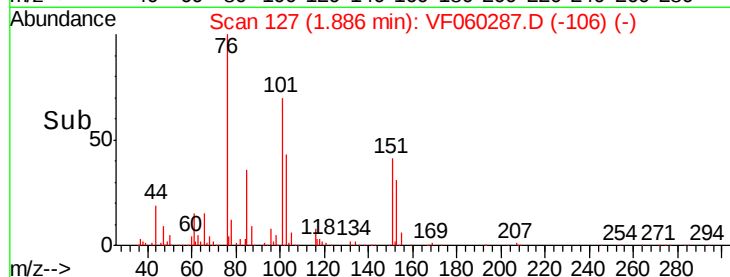
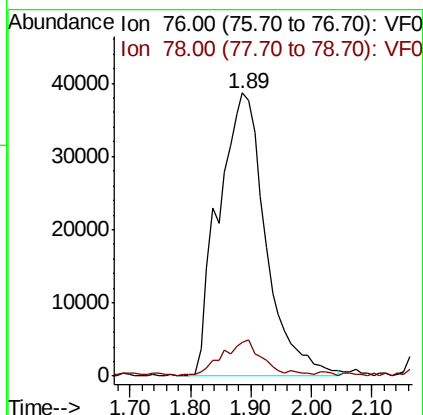
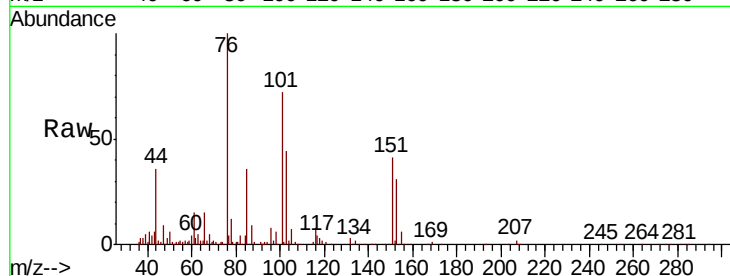




#17
Carbon Disulfide
Concen: 22.207 ug/l
RT: 1.89 min Scan# 127
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

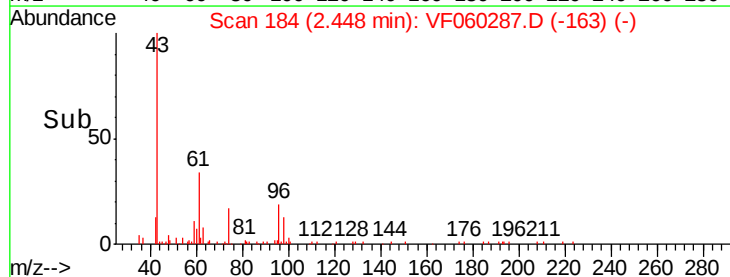
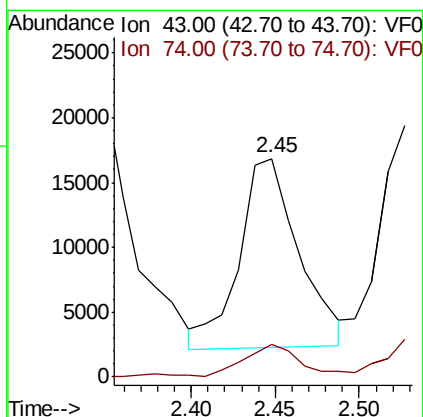
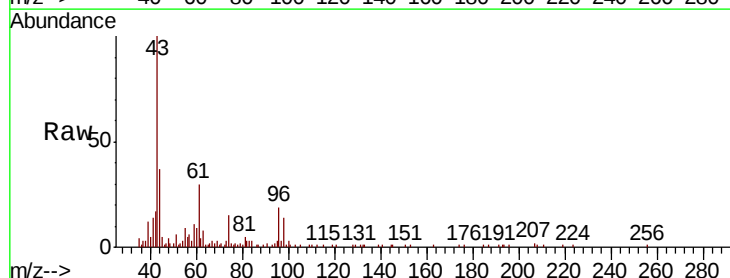
Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

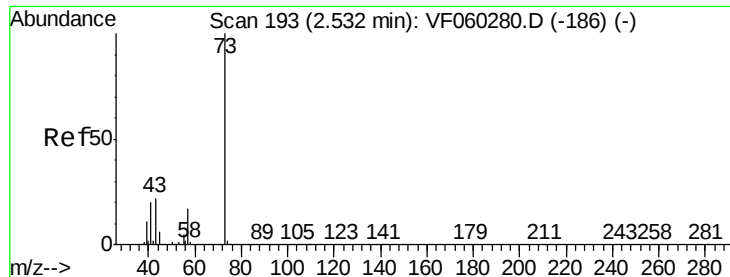
Tgt Ion: 76 Resp: 210311
Ion Ratio Lower Upper
76 100
78 12.0 9.4 14.0



#18
Methyl Acetate
Concen: 20.064 ug/l
RT: 2.45 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion: 43 Resp: 35811
Ion Ratio Lower Upper
43 100
74 14.9 12.7 19.1



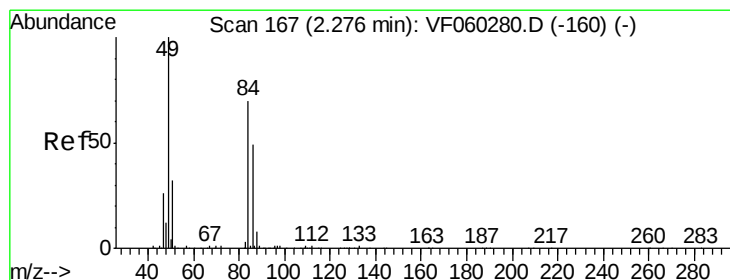
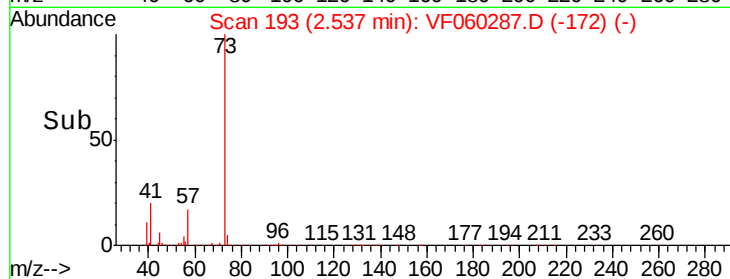
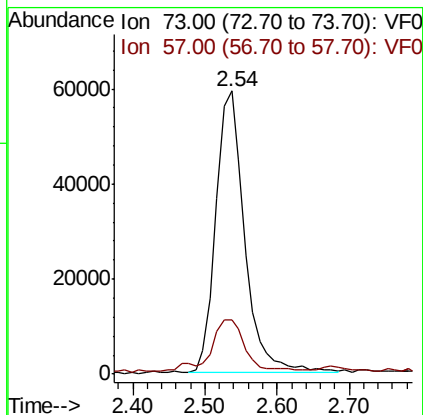
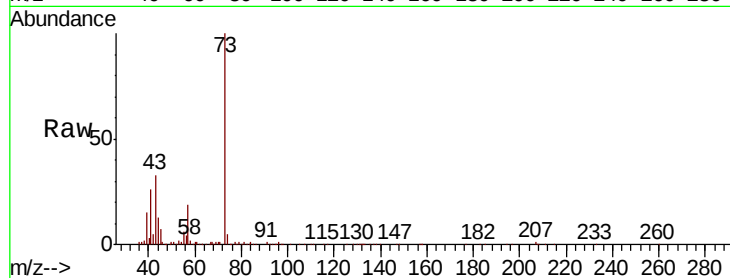


#19

Methyl tert-butyl Ether
 Concen: 20.293 ug/l
 RT: 2.54 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

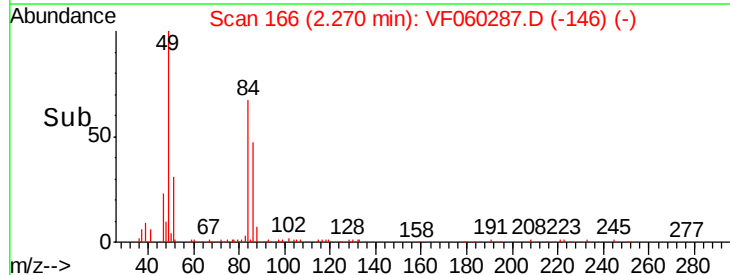
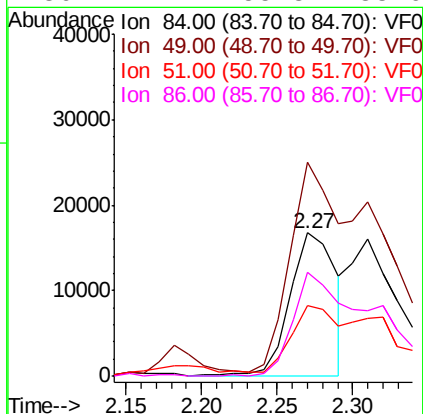
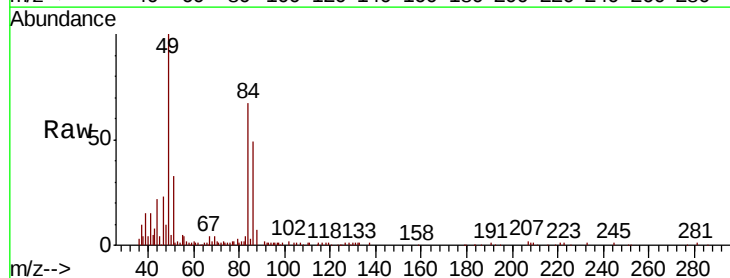
Tgt Ion: 73 Resp: 162649
 Ion Ratio Lower Upper
 73 100
 57 19.0 14.5 21.7

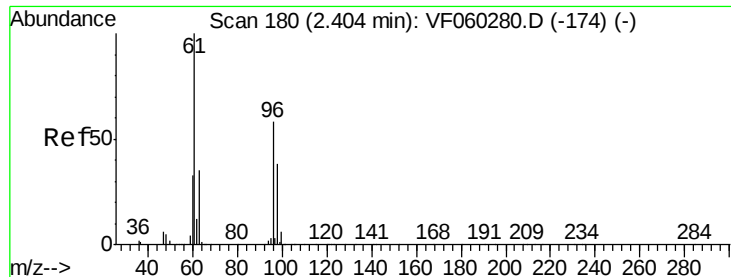


#20

Methylene Chloride
 Concen: 5.723 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion: 84 Resp: 35606
 Ion Ratio Lower Upper
 84 100
 49 149.2 118.3 177.5
 51 48.8 38.7 58.1
 86 72.4 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 21.611 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

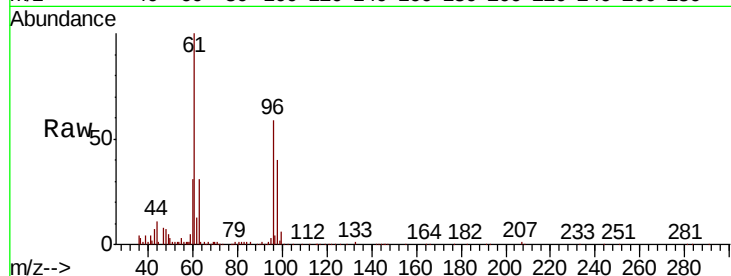
Tgt Ion: 96 Resp: 71764

Ion Ratio Lower Upper

96 100

61 169.5 136.4 204.6

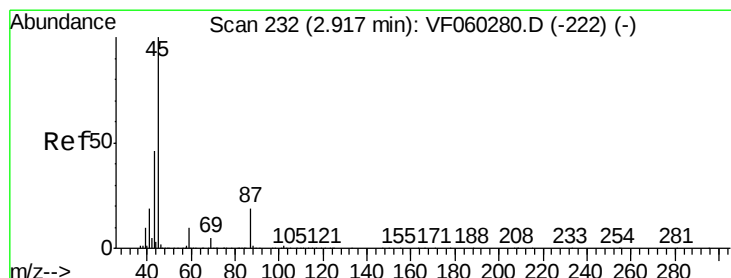
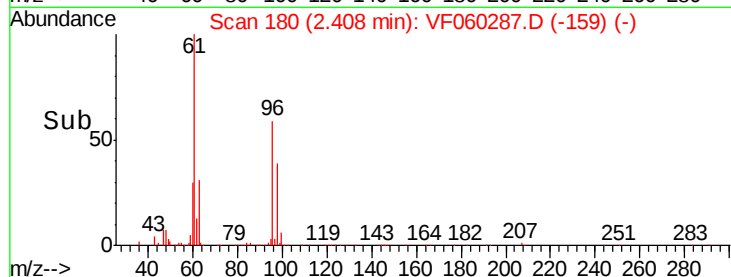
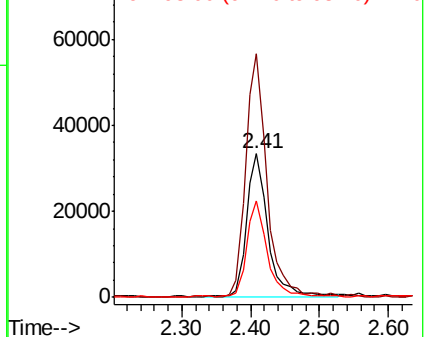
98 67.0 51.8 77.6



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 20.547 ug/l

RT: 2.92 min Scan# 232

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion: 45 Resp: 217498

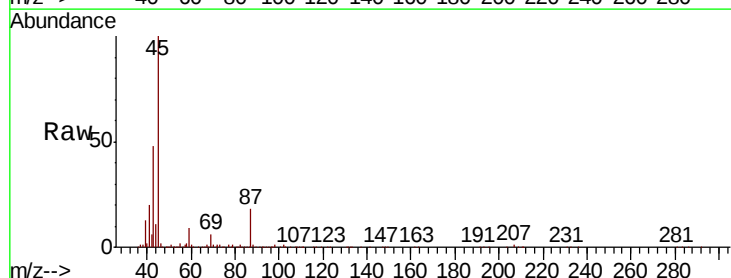
Ion Ratio Lower Upper

45 100

43 48.0 38.2 57.2

87 17.8 15.5 23.3

59 8.8 7.7 11.5

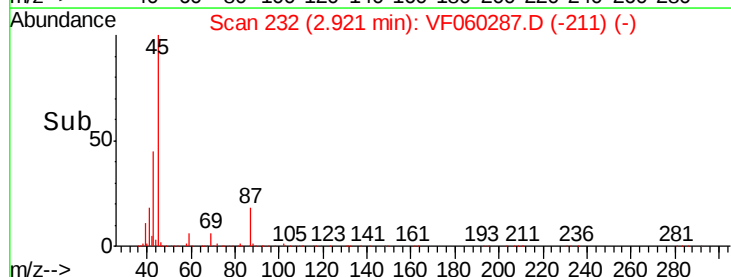
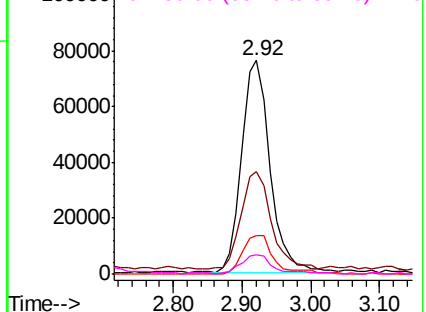


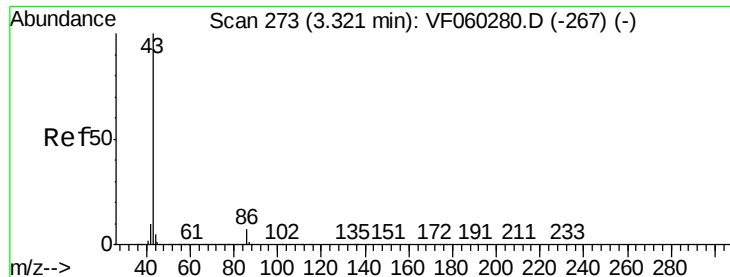
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 108.463 ug/l

RT: 3.33 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

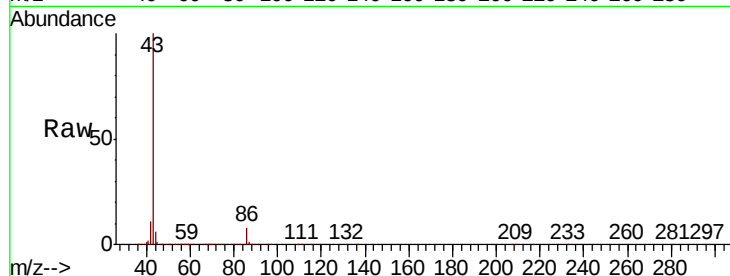
VF0919SBSD01

Tgt Ion: 43 Resp: 450934

Ion Ratio Lower Upper

43 100

86 8.3 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

150000

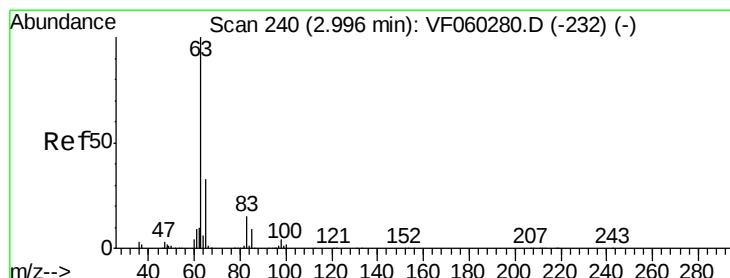
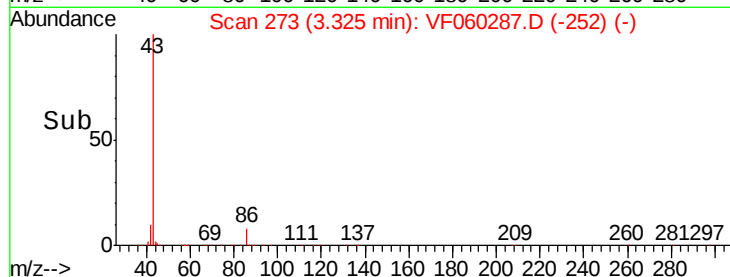
100000

50000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 19.995 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

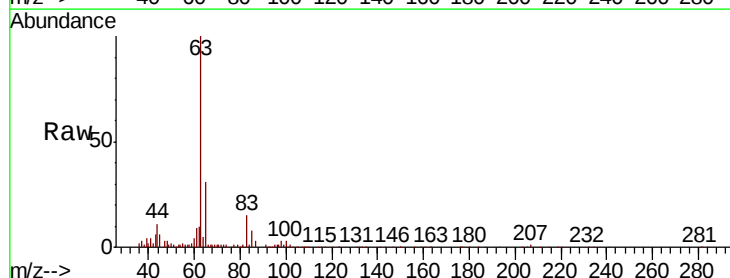
Tgt Ion: 63 Resp: 137270

Ion Ratio Lower Upper

63 100

98 3.2 2.1 6.5

100 3.0 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

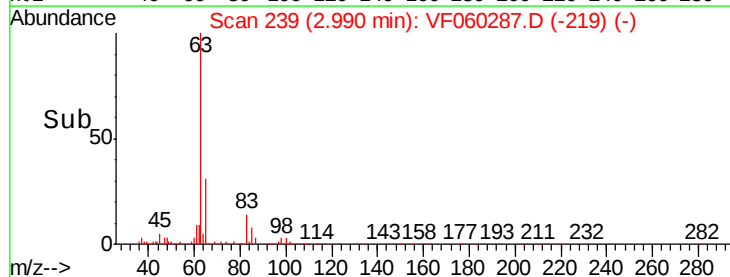
40000

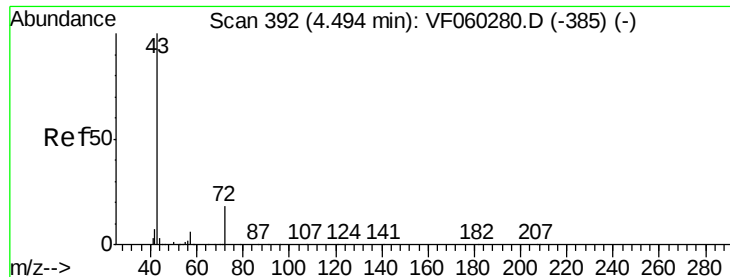
20000

0

Time-->

2.90 3.00 3.10





#25

2-Butanone

Concen: 97.949 ug/l

RT: 4.50 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

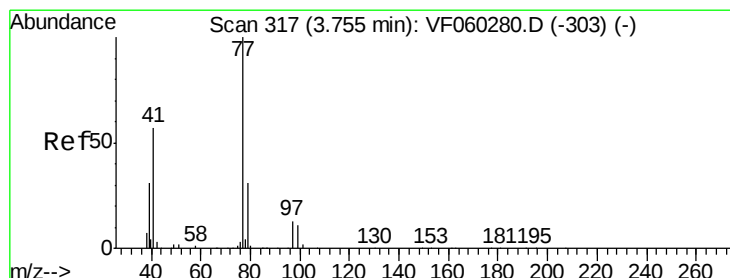
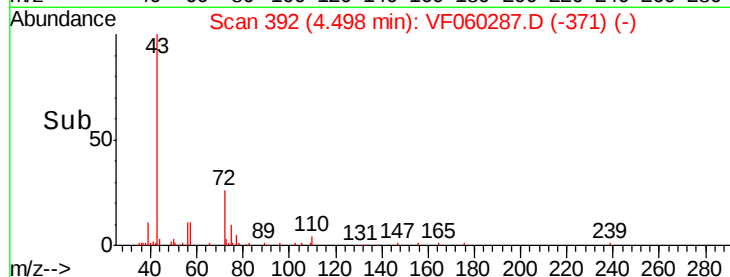
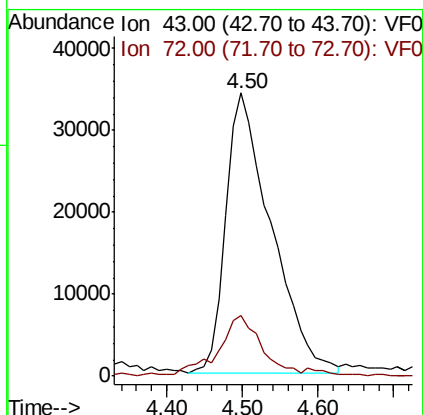
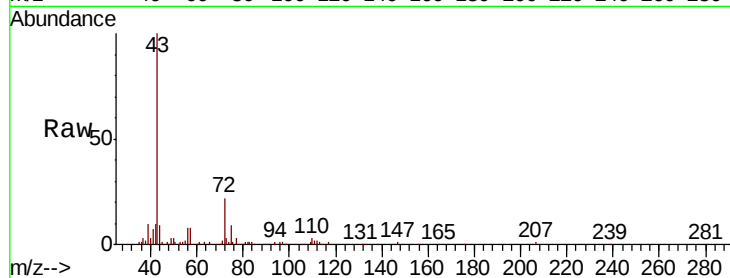
VF0919SBS01

Tgt Ion: 43 Resp: 141247

Ion Ratio Lower Upper

43 100

72 21.6 16.2 24.2



#26

2,2-Dichloropropane

Concen: 20.286 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060287.D

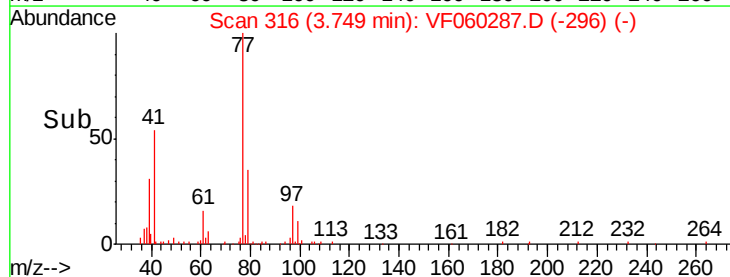
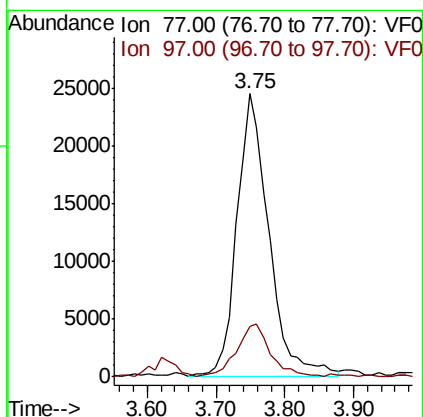
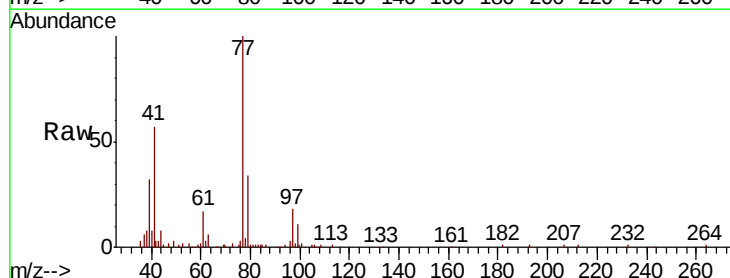
Acq: 19 Sep 2018 19:03

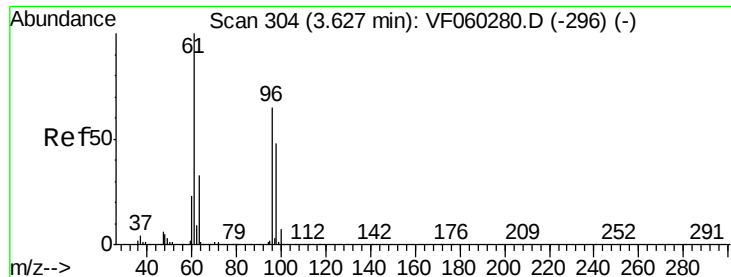
Tgt Ion: 77 Resp: 79461

Ion Ratio Lower Upper

77 100

97 17.9 9.3 27.9



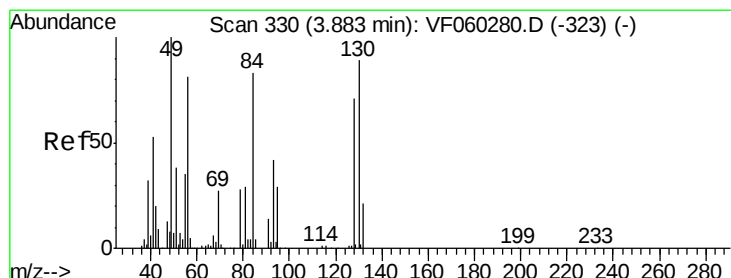
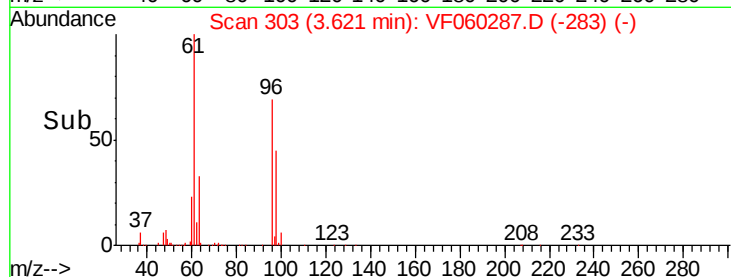
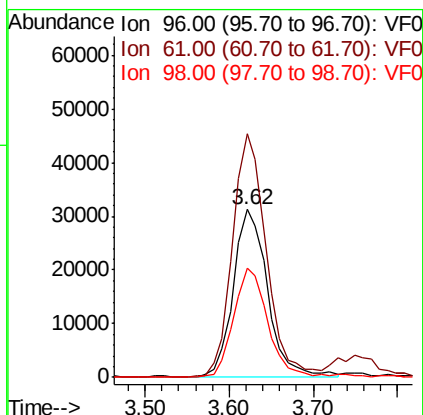
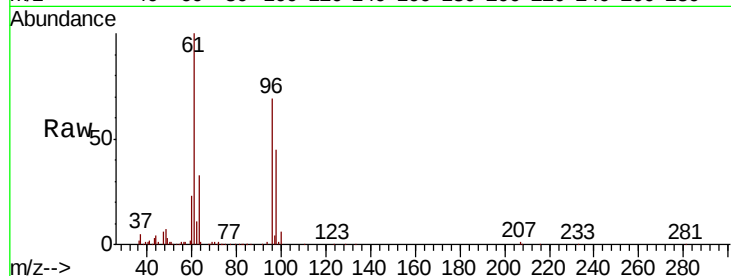


#27

cis-1,2-Dichloroethene
 Concen: 20.319 ug/l
 RT: 3.62 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

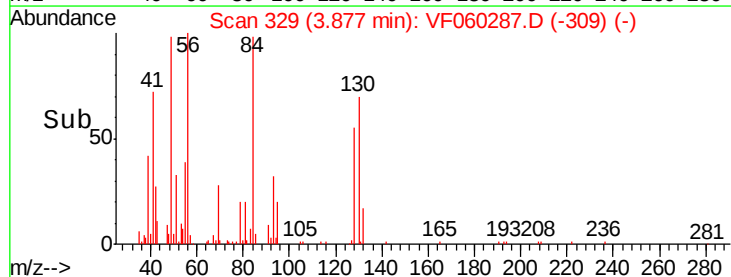
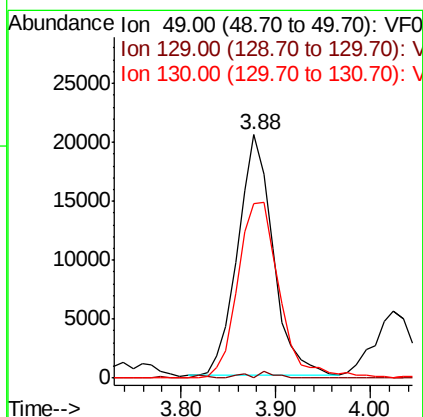
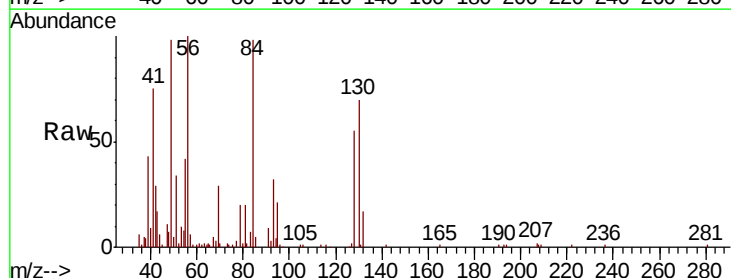
Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	304.8
98	65.4	0.0	146.4

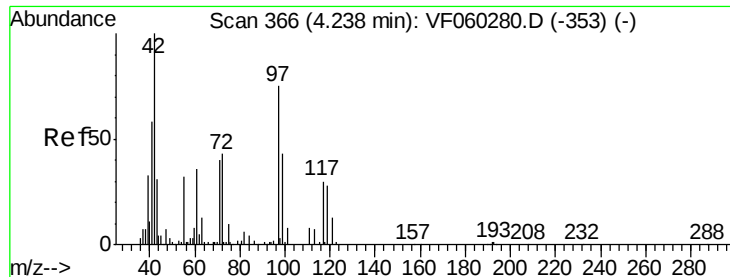


#28

Bromochloromethane
 Concen: 19.800 ug/l
 RT: 3.88 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	71.8	70.3	105.5





#29

Tetrahydrofuran

Concen: 104.851 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

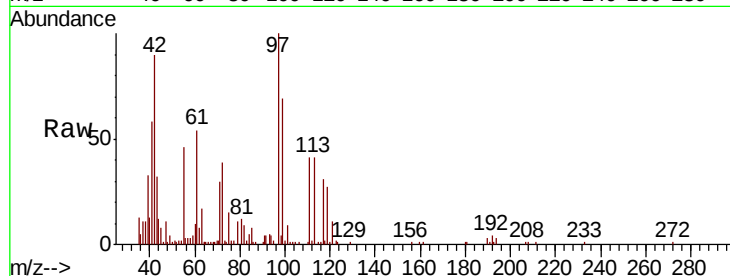
Tgt Ion: 42 Resp: 55370

Ion Ratio Lower Upper

42 100

72 43.3 32.6 49.0

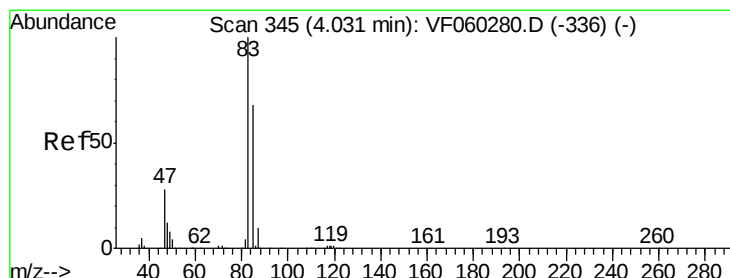
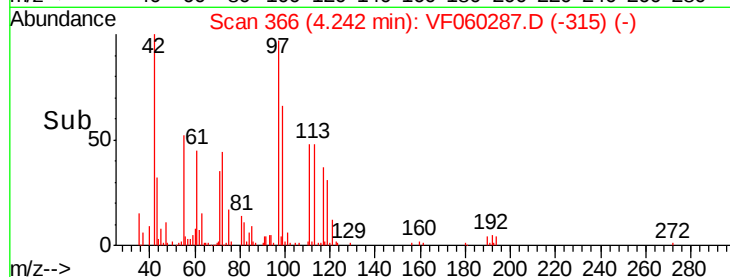
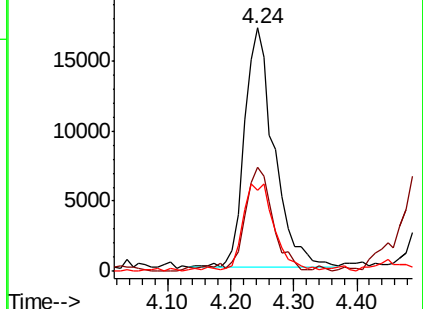
71 38.1 32.7 49.1



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: 20.333 ug/l

RT: 4.03 min Scan# 344

Delta R.T. -0.01 min

Lab File: VF060287.D

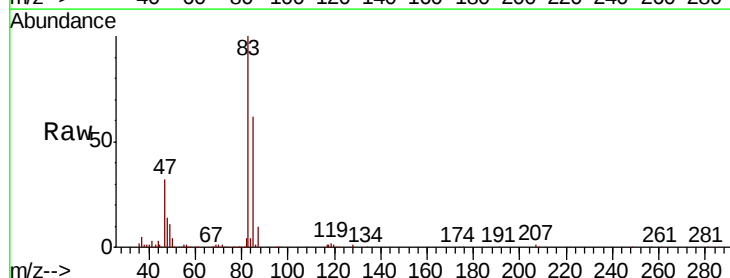
Acq: 19 Sep 2018 19:03

Tgt Ion: 83 Resp: 168428

Ion Ratio Lower Upper

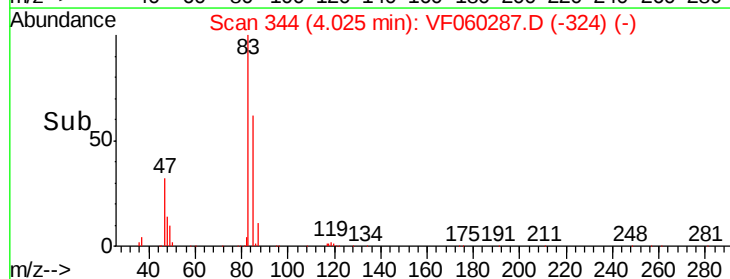
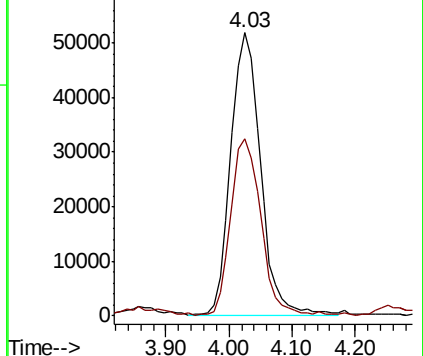
83 100

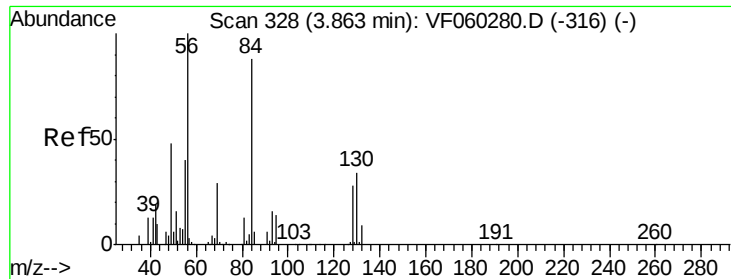
85 62.4 54.9 82.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

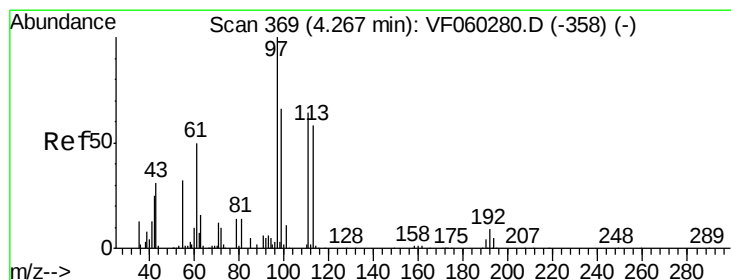
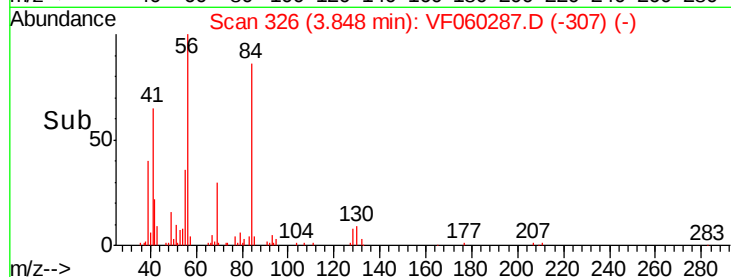
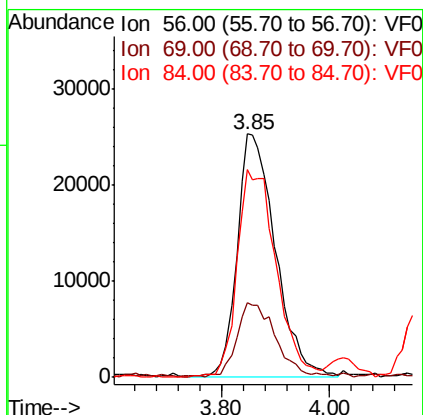
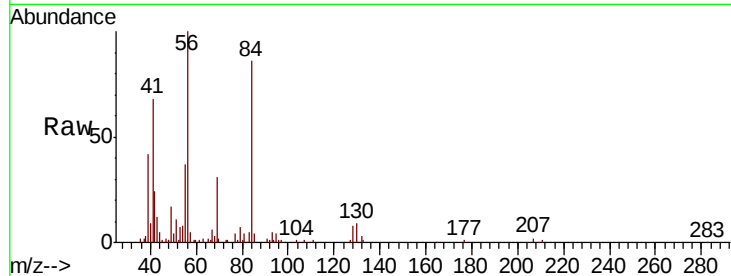




#31
Cyclohexane
Concen: 21.448 ug/l
RT: 3.85 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

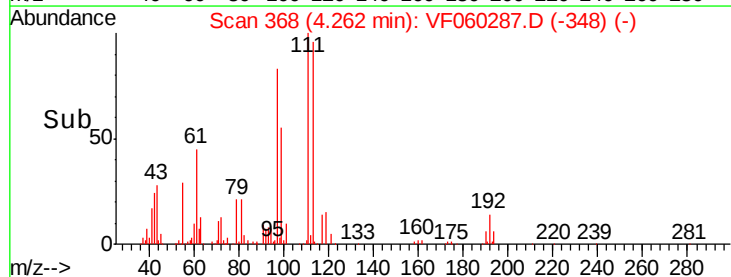
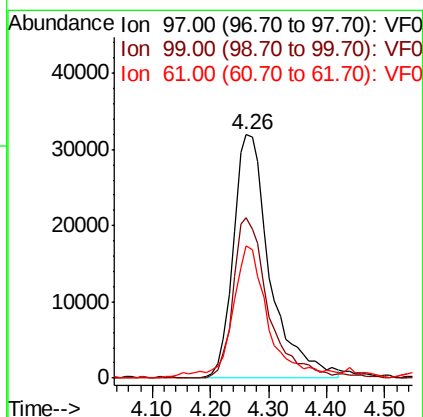
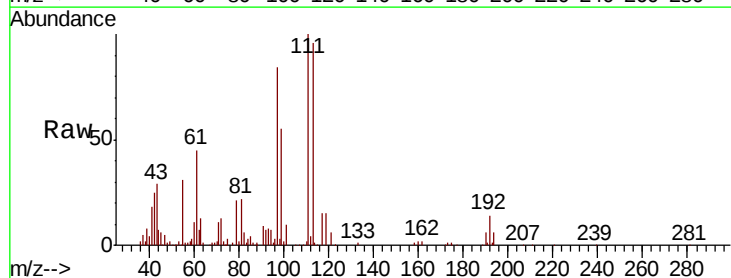
Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

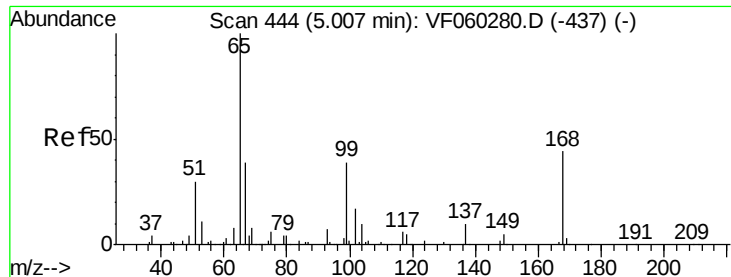
Tgt Ion: 56 Resp: 124373
Ion Ratio Lower Upper
56 100
69 30.9 23.8 35.6
84 85.6 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 21.464 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion: 97 Resp: 140290
Ion Ratio Lower Upper
97 100
99 66.1 53.0 79.4
61 54.3 40.6 61.0





#33

1,2-Dichloroethane-d4

Concen: 49.948 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

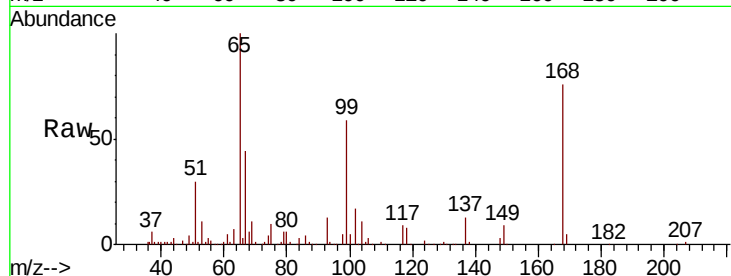
VF0919SBS01

Tgt Ion: 65 Resp: 190014

Ion Ratio Lower Upper

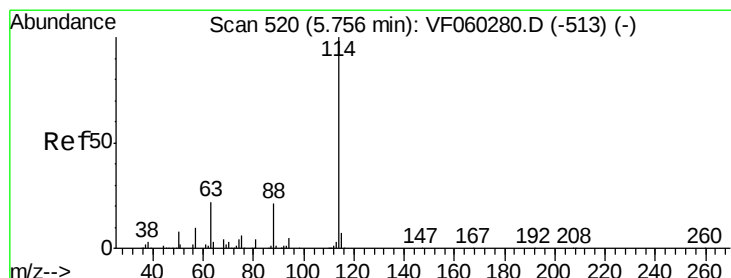
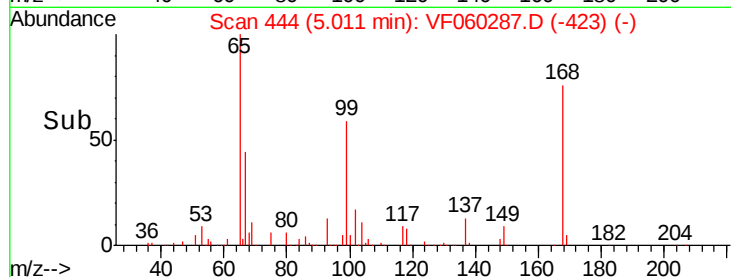
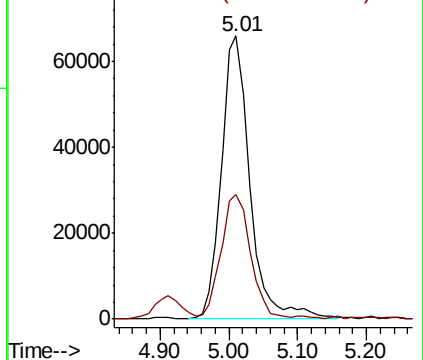
65 100

67 44.2 0.0 94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

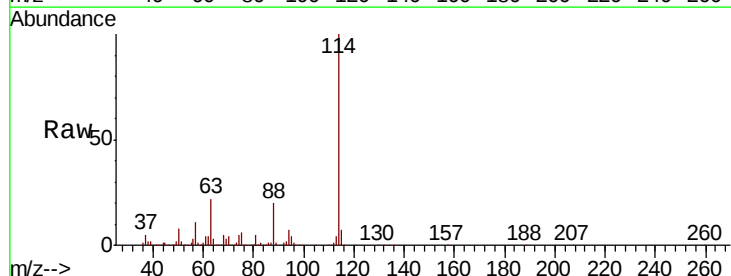
Tgt Ion: 114 Resp: 457128

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

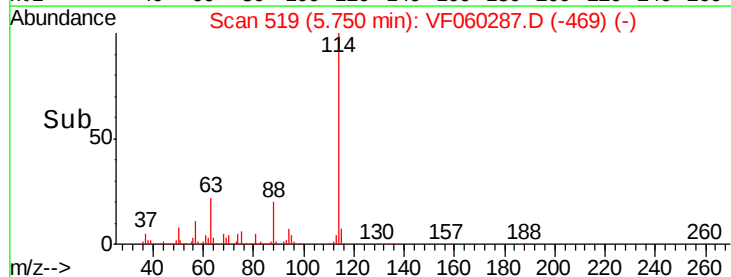
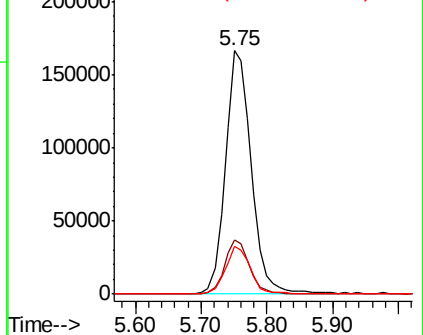
88 19.7 0.0 41.2

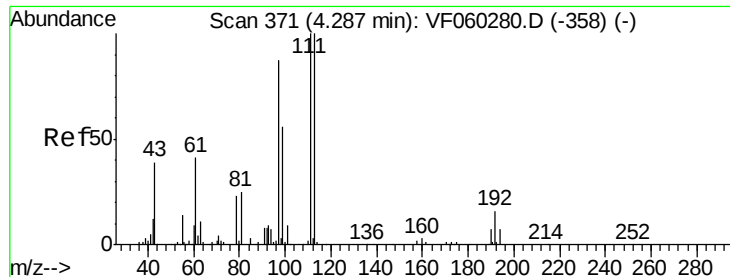


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 48.581 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

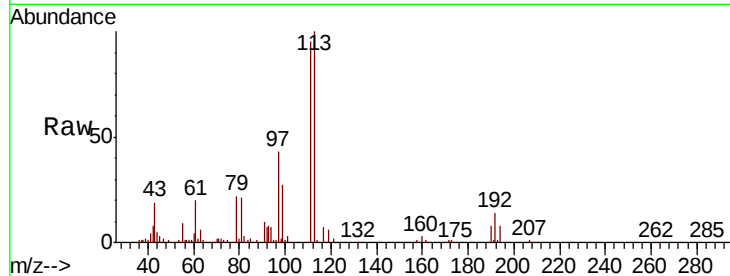
Tgt Ion:113 Resp: 197966

Ion Ratio Lower Upper

113 100

111 95.4 79.6 119.4

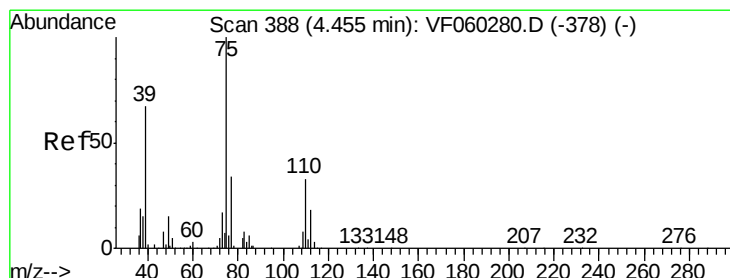
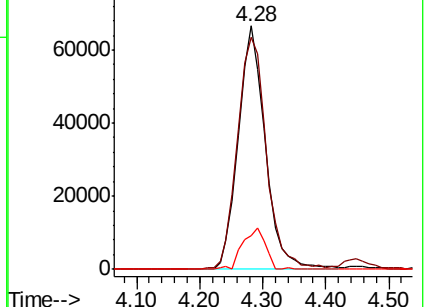
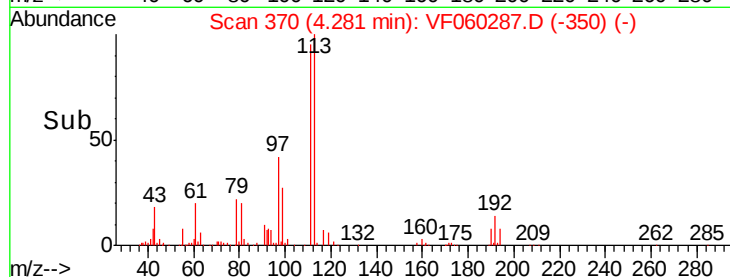
192 13.8 13.0 19.6



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: 20.992 ug/l

RT: 4.45 min Scan# 387

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

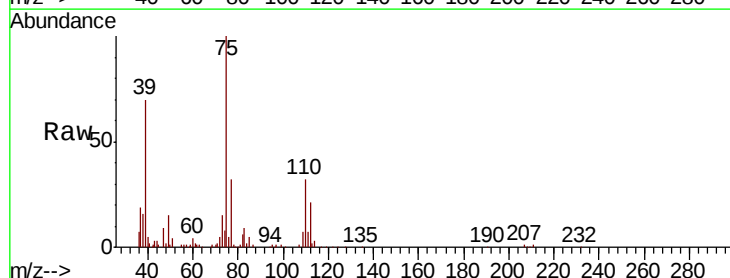
Tgt Ion: 75 Resp: 119699

Ion Ratio Lower Upper

75 100

110 32.0 16.4 49.2

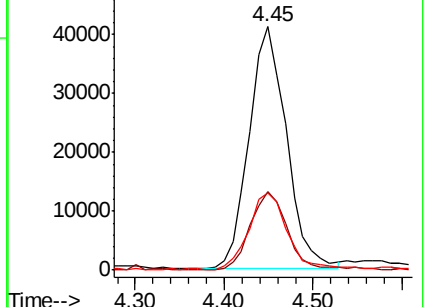
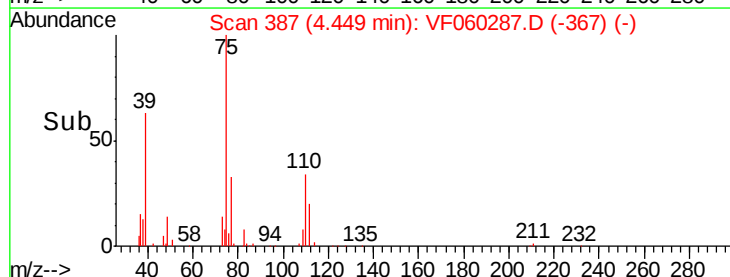
77 31.9 27.3 40.9

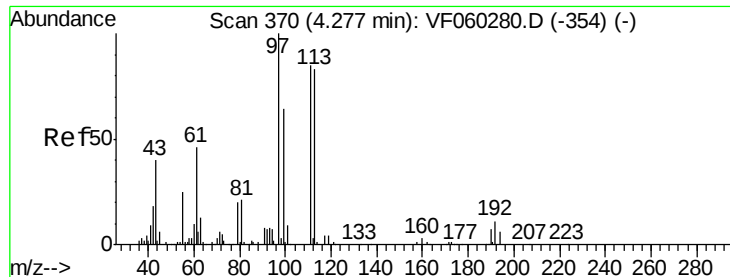


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

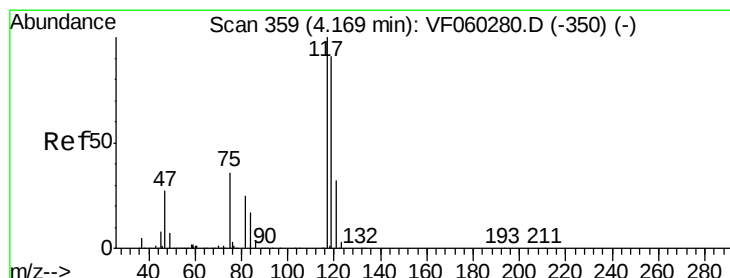
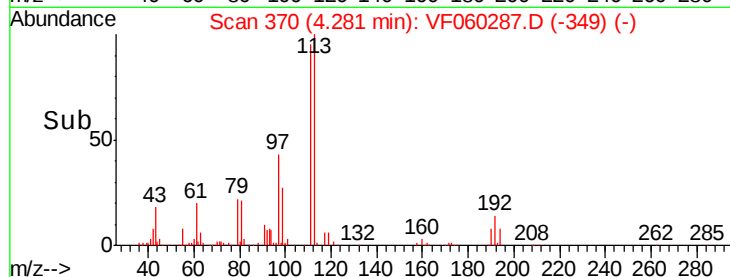
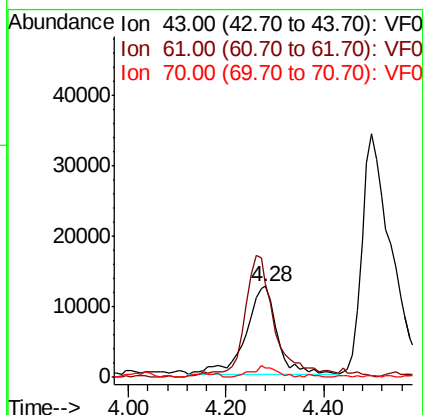
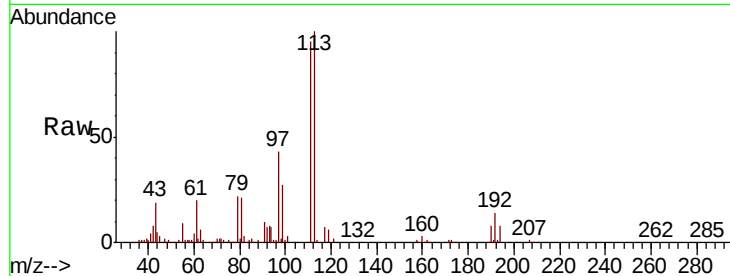




#37
 Ethyl Acetate
 Concen: 22.861 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

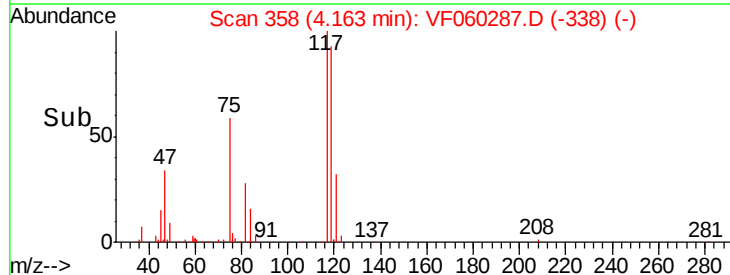
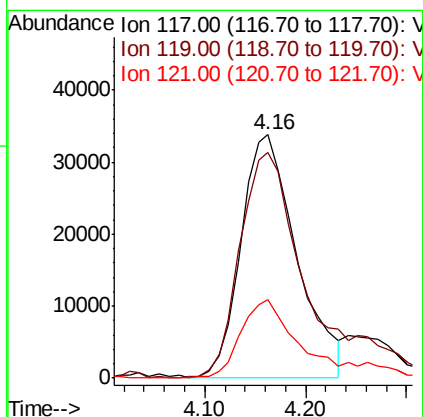
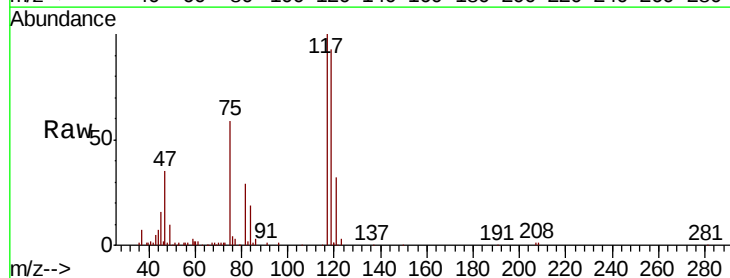
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

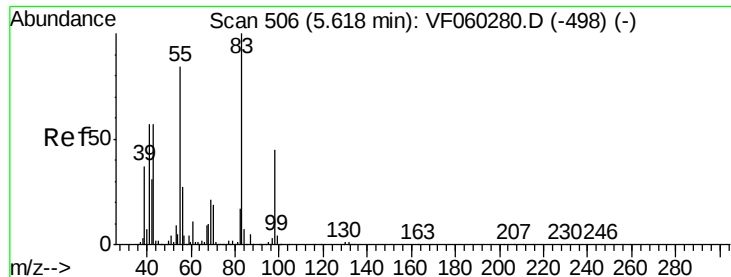
Tgt Ion	Ratio	Lower	Upper
43	100		
61	103.7	91.1	136.7
70	9.7	6.9	10.3



#38
 Carbon Tetrachloride
 Concen: 21.063 ug/l
 RT: 4.16 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	73.0	109.6
121	32.1	25.4	38.2

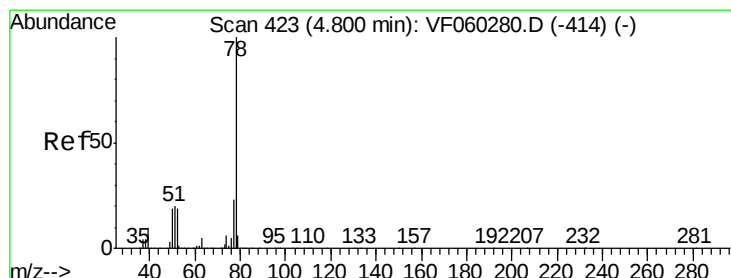
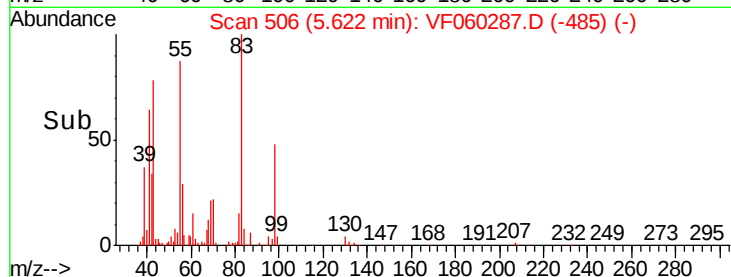
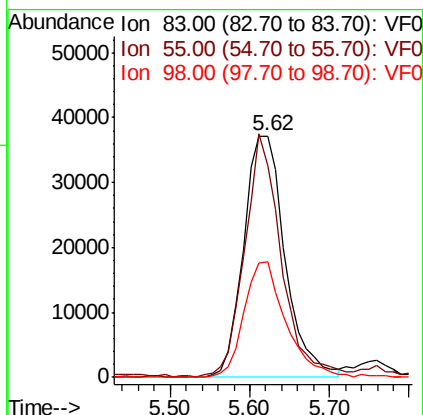
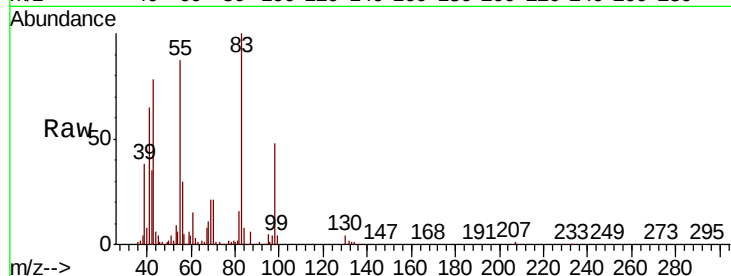




#39
Methylcyclohexane
Concen: 21.428 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

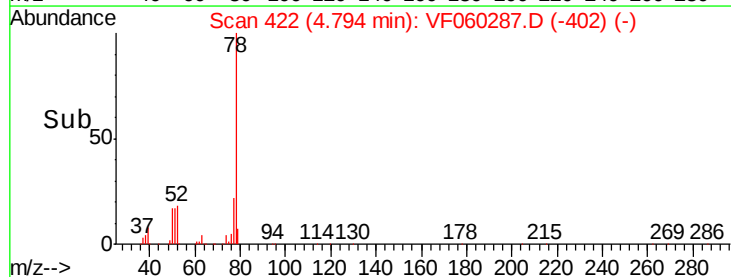
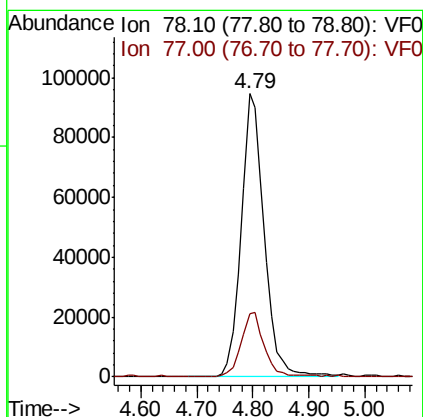
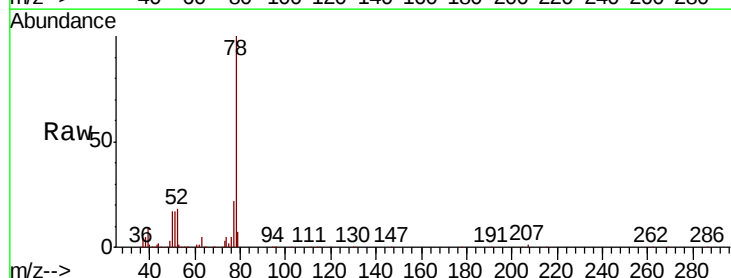
Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

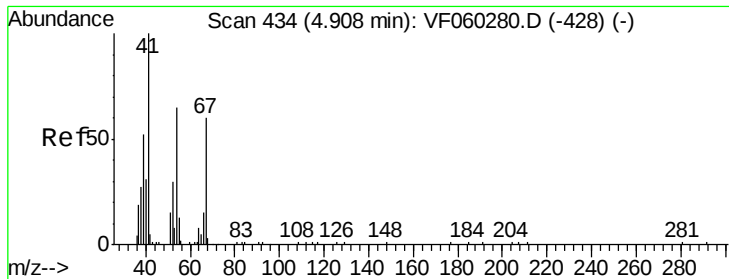
Tgt Ion: 83 Resp: 132422
Ion Ratio Lower Upper
83 100
55 87.4 67.3 100.9
98 47.8 36.1 54.1



#40
Benzene
Concen: 20.807 ug/l
RT: 4.79 min Scan# 422
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion: 78 Resp: 269023
Ion Ratio Lower Upper
78 100
77 22.4 18.4 27.6





#41

Methacrylonitrile

Concen: 21.239 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tgt Ion: 41 Resp: 27805

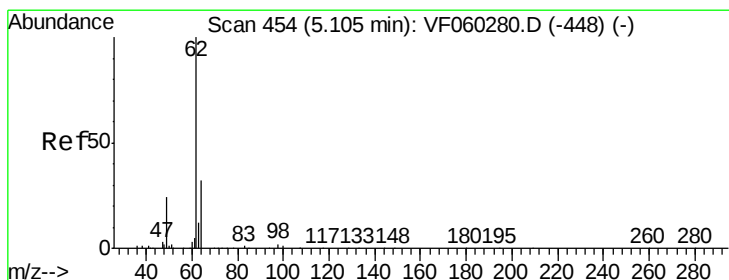
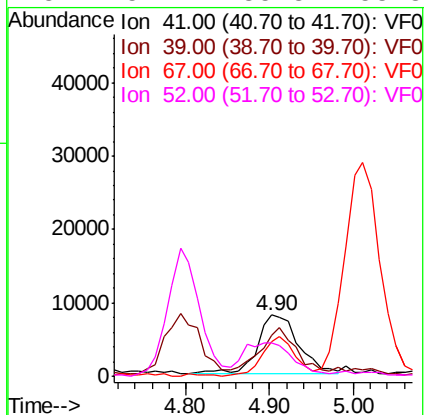
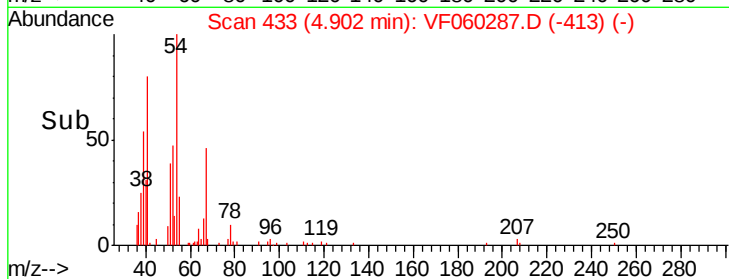
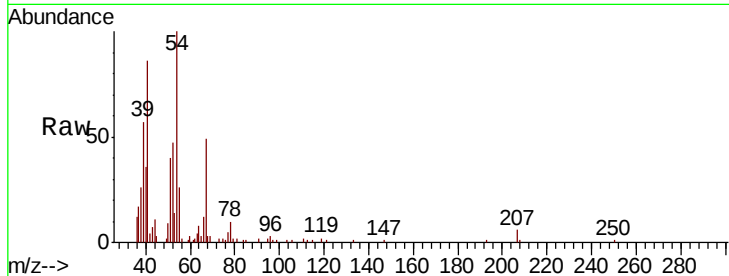
Ion Ratio Lower Upper

41 100

39 66.5 49.1 73.7

67 56.4 48.2 72.4

52 54.1 35.8 53.8#



#42

1,2-Dichloroethane

Concen: 21.032 ug/l

RT: 5.11 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF060287.D

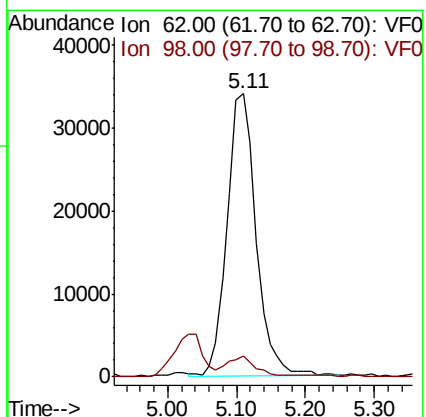
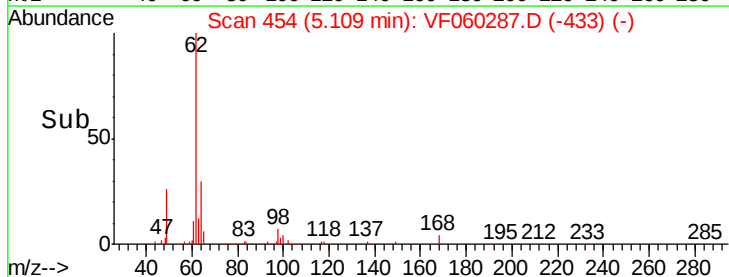
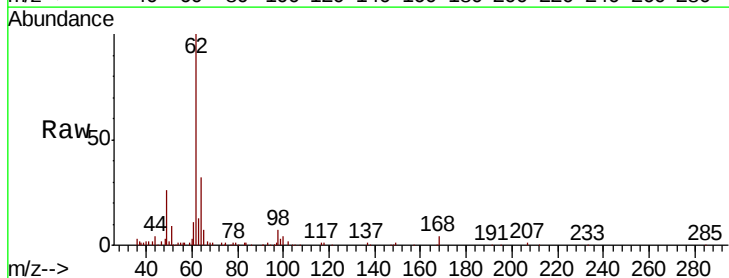
Acq: 19 Sep 2018 19:03

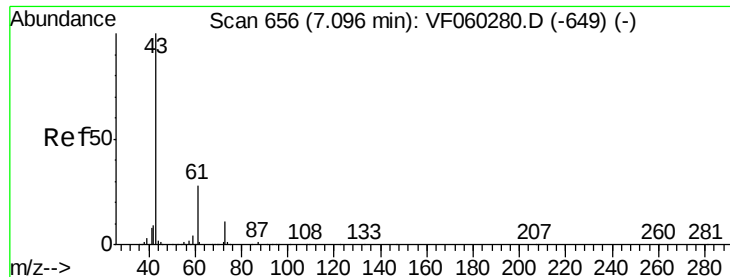
Tgt Ion: 62 Resp: 100089

Ion Ratio Lower Upper

62 100

98 7.4 0.0 14.4





#43

Isopropyl Acetate

Concen: 21.582 ug/l

RT: 7.10 min Scan# 656

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBSD01

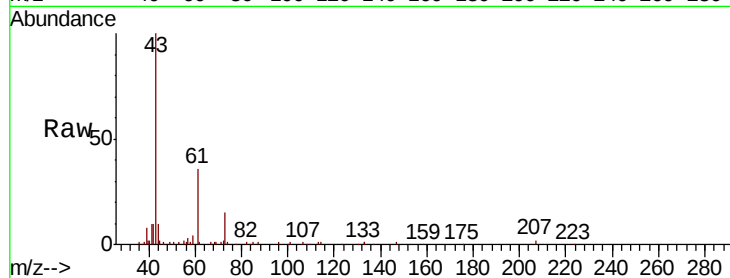
Tgt Ion: 43 Resp: 62687

Ion Ratio Lower Upper

43 100

61 36.2 22.4 33.6#

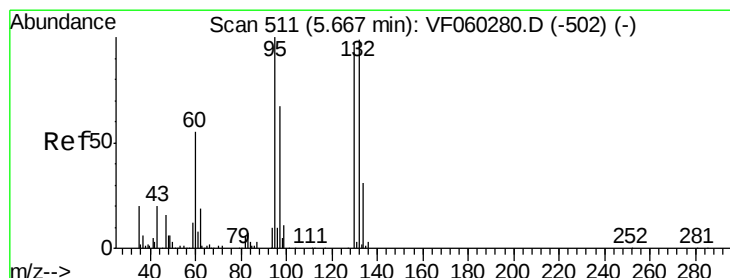
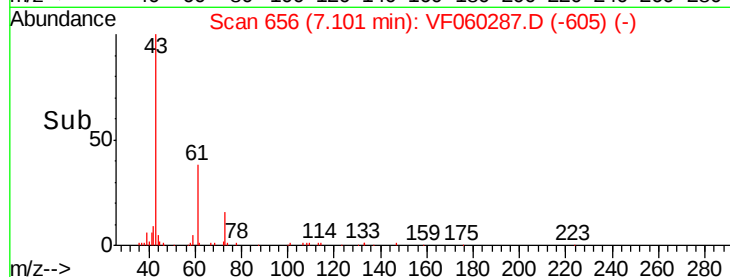
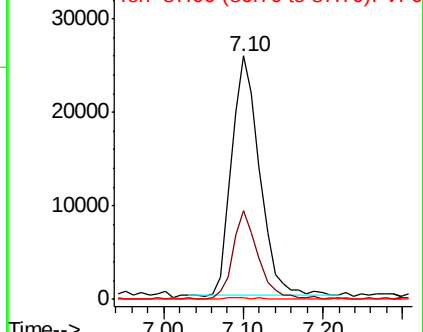
87 0.8 0.6 0.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.255 ug/l

RT: 5.66 min Scan# 510

Delta R.T. -0.01 min

Lab File: VF060287.D

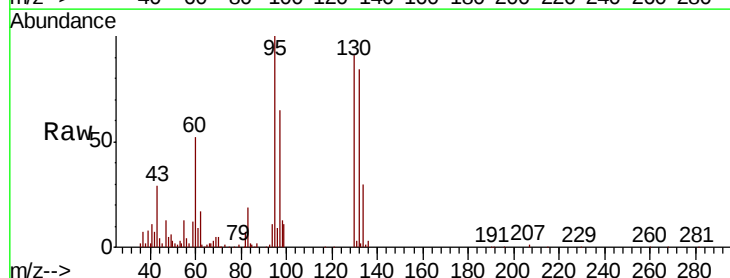
Acq: 19 Sep 2018 19:03

Tgt Ion: 130 Resp: 85635

Ion Ratio Lower Upper

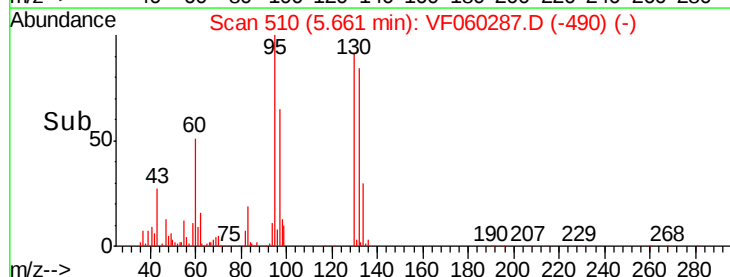
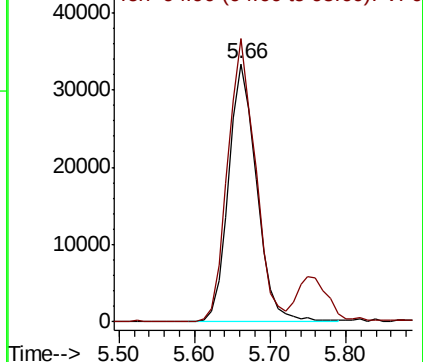
130 100

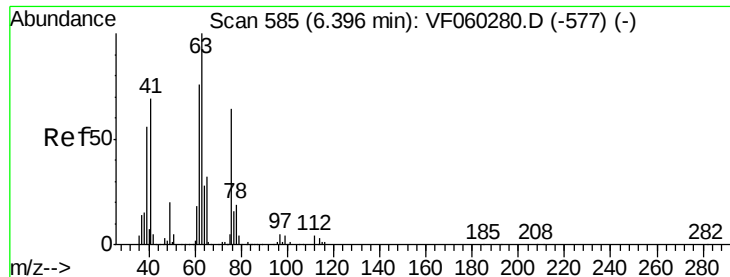
95 109.7 0.0 205.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.163 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

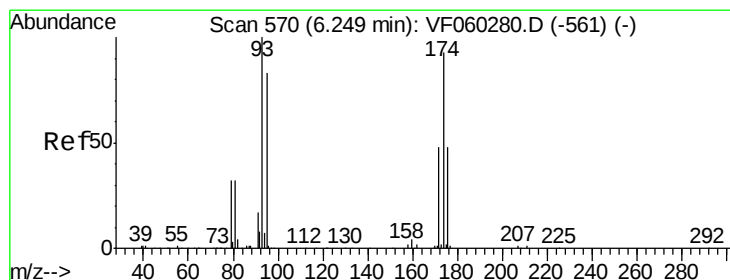
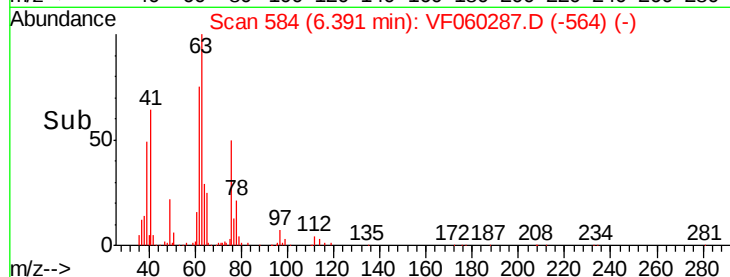
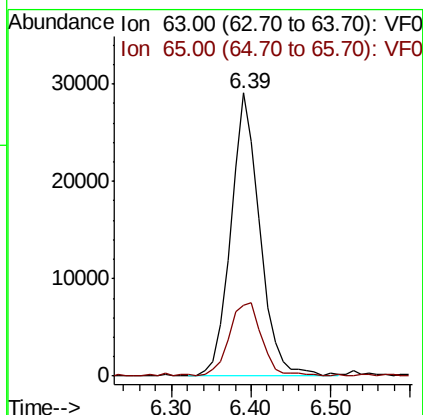
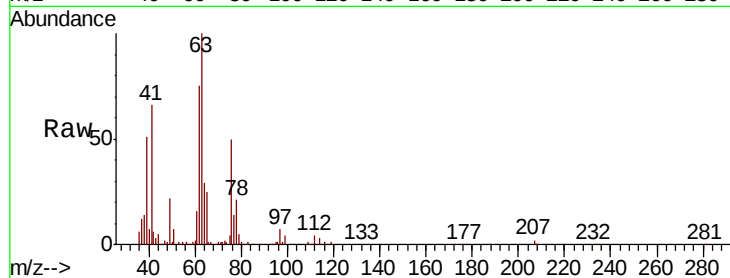
VF0919SBS01

Tgt Ion: 63 Resp: 74162

Ion Ratio Lower Upper

63 100

65 25.2 26.2 39.4#



#46

Dibromomethane

Concen: 20.883 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

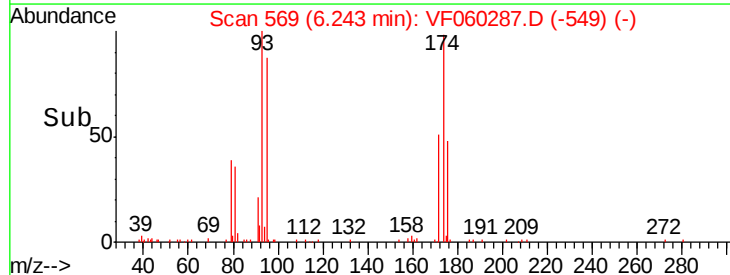
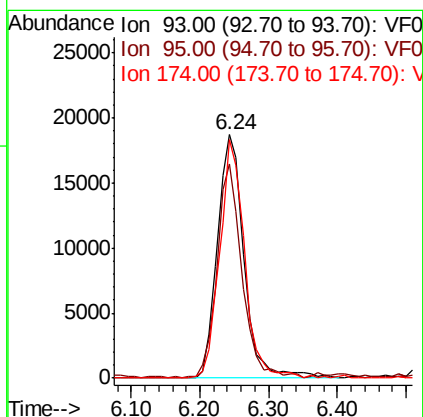
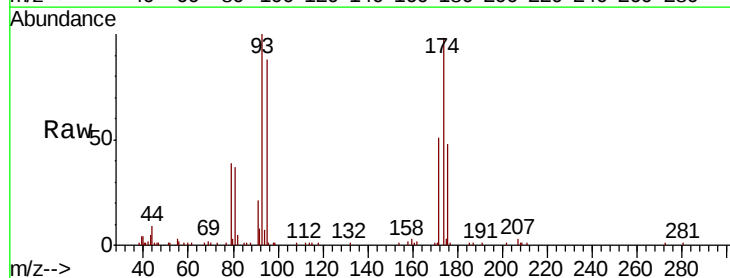
Tgt Ion: 93 Resp: 49949

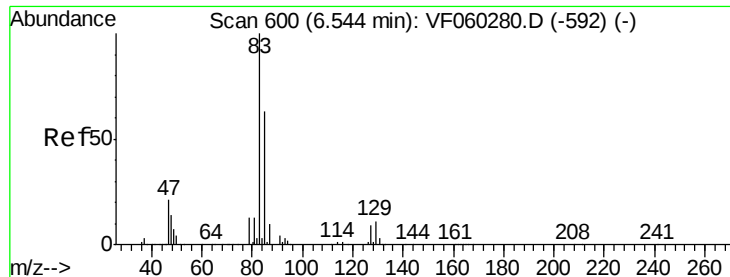
Ion Ratio Lower Upper

93 100

95 88.0 67.0 100.6

174 98.0 74.8 112.2





#47

Bromodichloromethane

Concen: 21.460 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

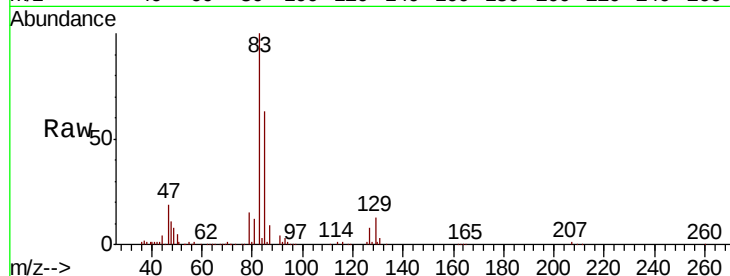
Tgt Ion: 83 Resp: 123354

Ion Ratio Lower Upper

83 100

85 63.3 50.6 76.0

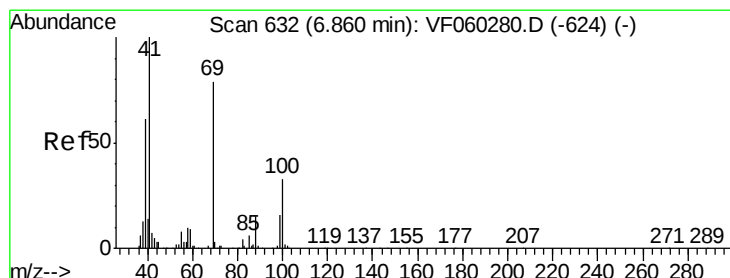
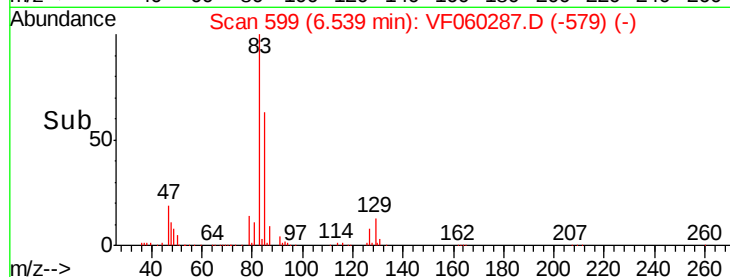
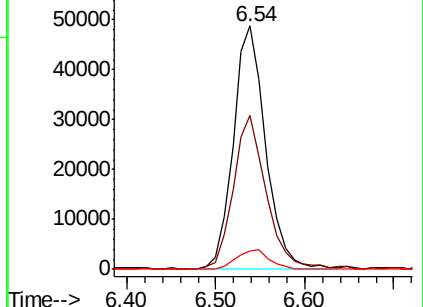
127 7.7 7.1 10.7



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: 22.078 ug/l

RT: 6.86 min Scan# 632

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

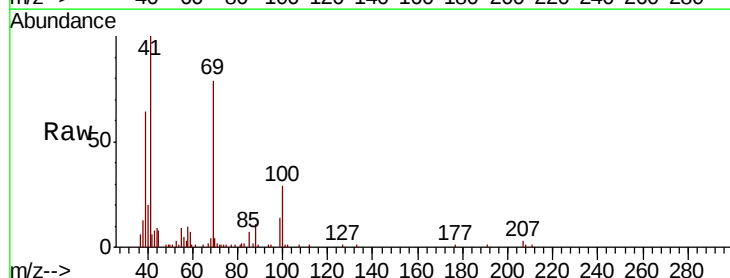
Tgt Ion: 41 Resp: 45016

Ion Ratio Lower Upper

41 100

69 79.1 62.6 94.0

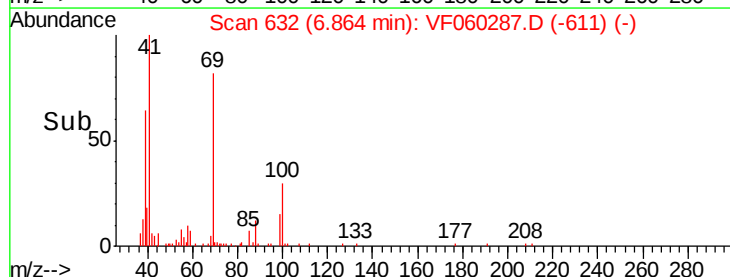
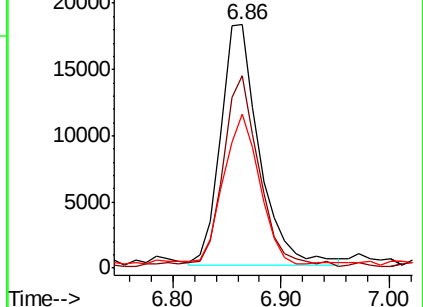
39 63.5 49.1 73.7

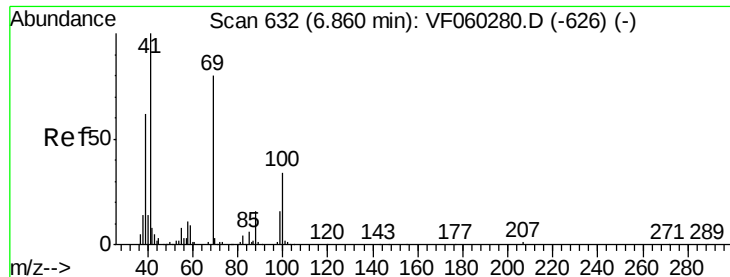


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 436.332 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

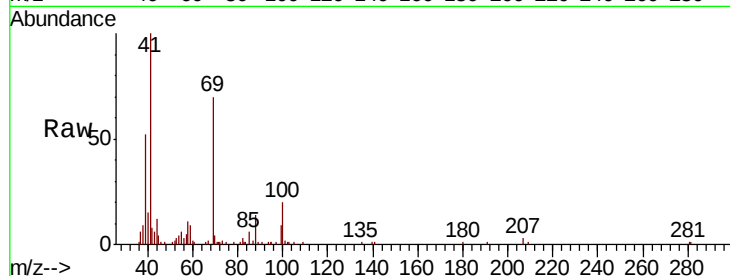
Tgt Ion: 88 Resp: 7948

Ion Ratio Lower Upper

88 100

43 43.3 40.2 60.4

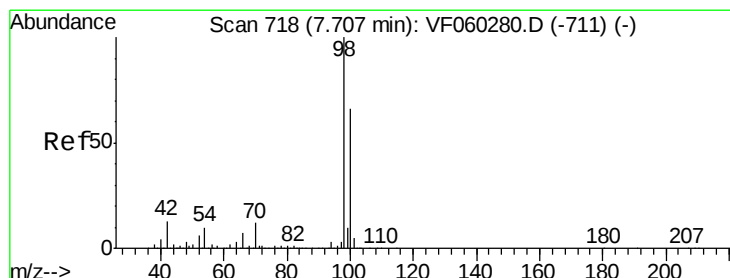
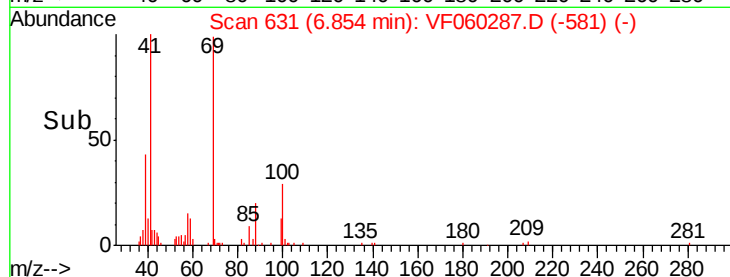
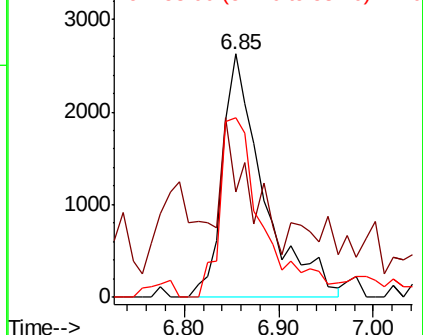
58 73.6 56.7 85.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 46.933 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF060287.D

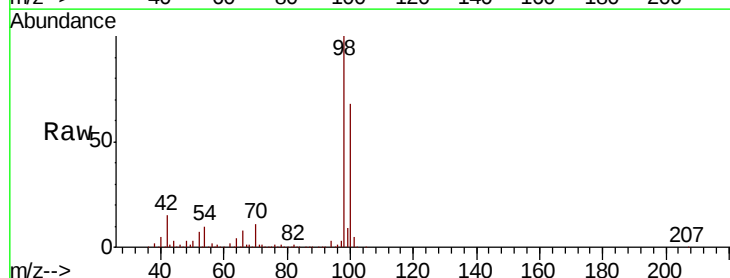
Acq: 19 Sep 2018 19:03

Tgt Ion: 98 Resp: 498056

Ion Ratio Lower Upper

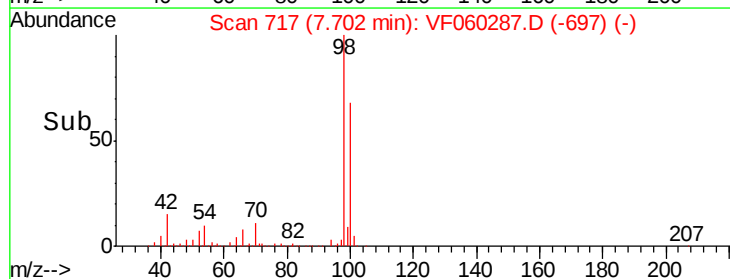
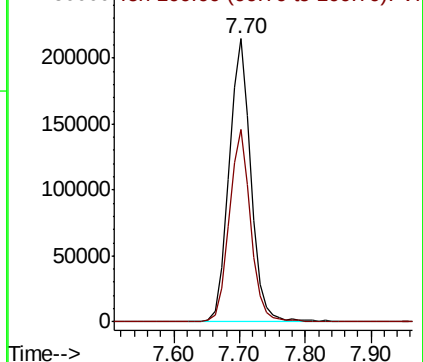
98 100

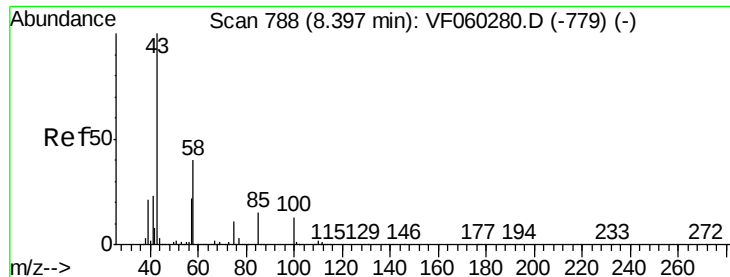
100 67.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

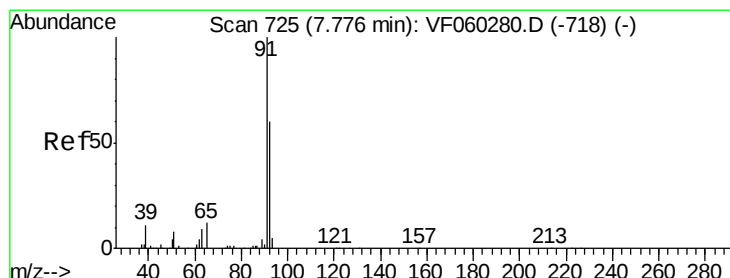
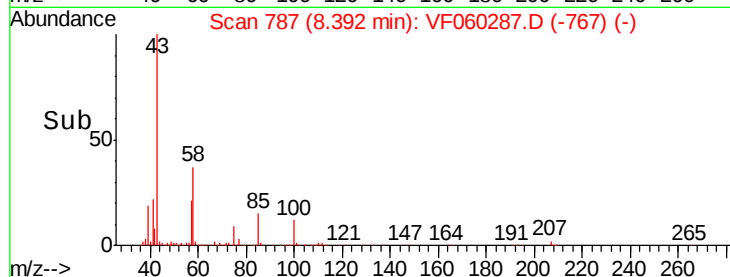
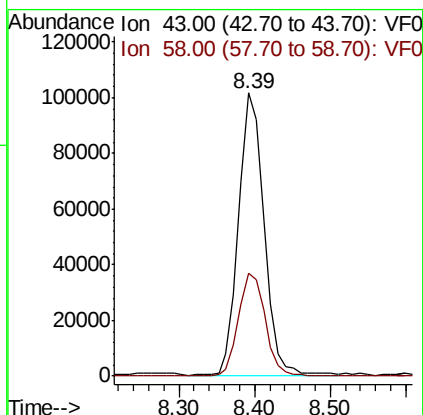
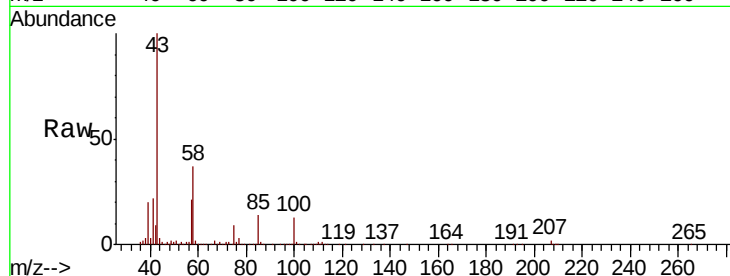




#51
 4-Methyl-2-Pentanone
 Concen: 105.351 ug/l
 RT: 8.39 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

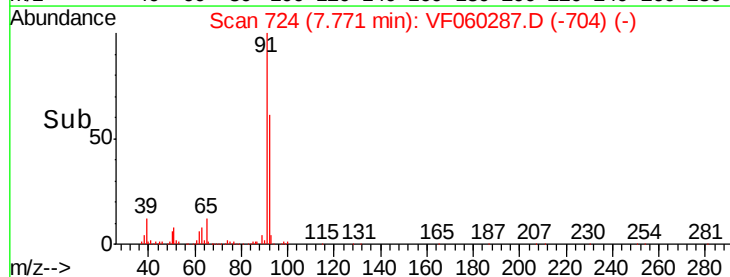
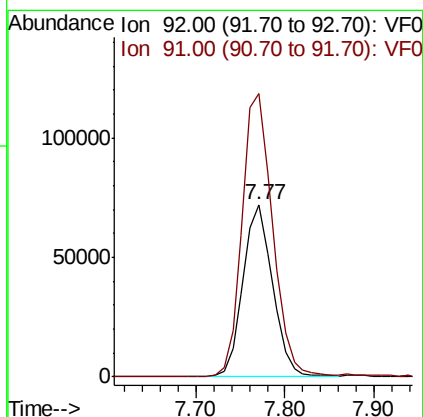
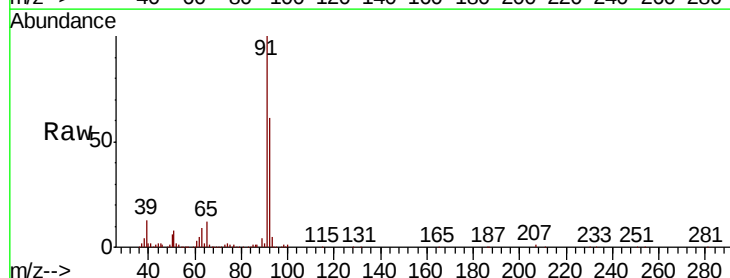
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBSD01

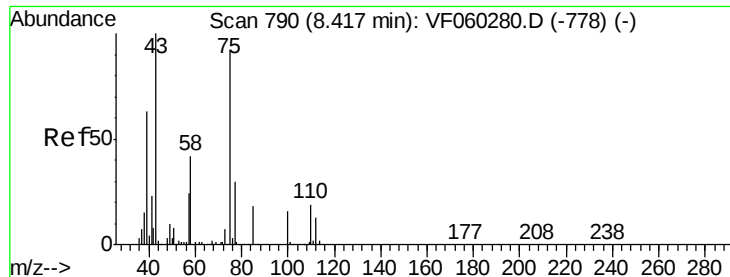
Tgt Ion: 43 Resp: 235843
 Ion Ratio Lower Upper
 43 100
 58 36.5 31.8 47.8



#52
 Toluene
 Concen: 20.356 ug/l
 RT: 7.77 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion: 92 Resp: 166503
 Ion Ratio Lower Upper
 92 100
 91 164.6 133.3 199.9

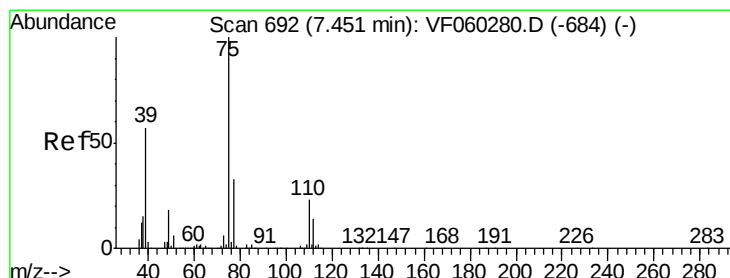
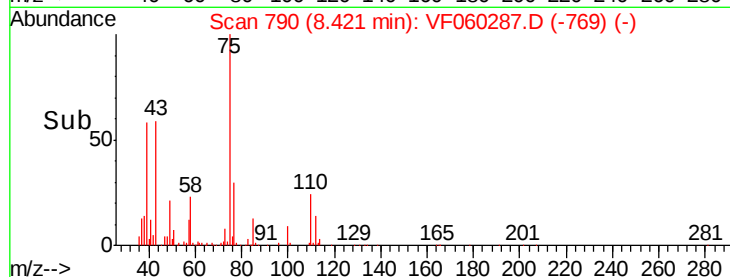
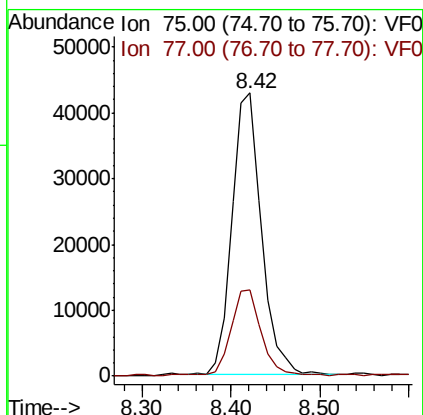
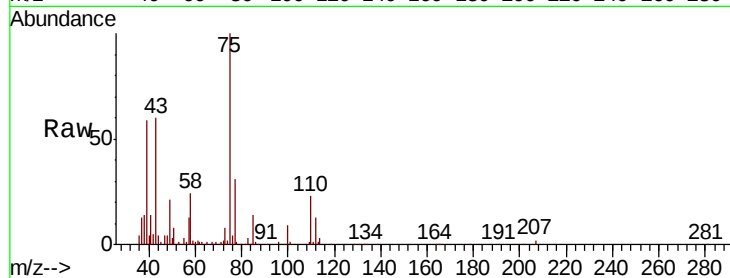




#53
t-1,3-Dichloropropene
Concen: 21.208 ug/l
RT: 8.42 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

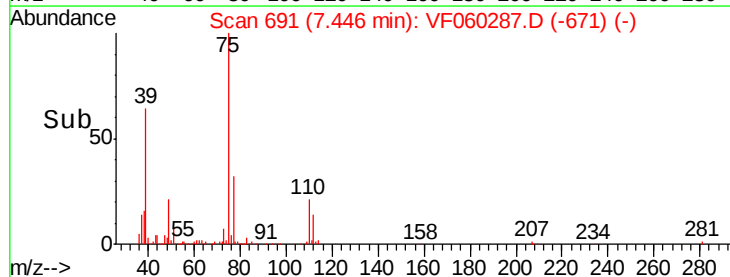
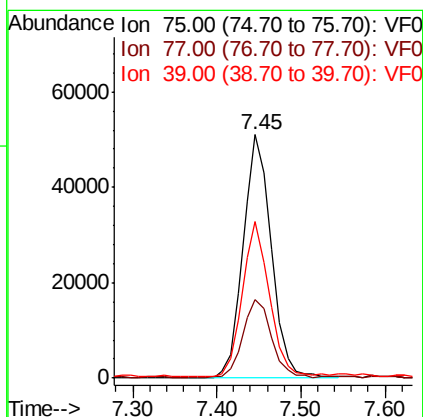
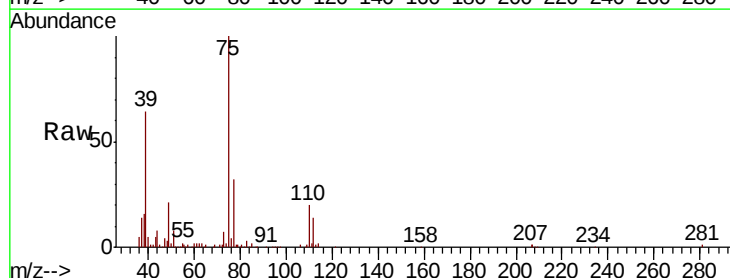
Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

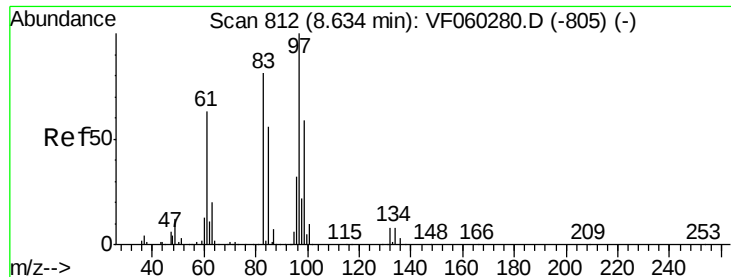
Tgt Ion: 75 Resp: 98328
Ion Ratio Lower Upper
75 100
77 30.5 25.9 38.9



#54
cis-1,3-Dichloropropene
Concen: 20.490 ug/l
RT: 7.45 min Scan# 691
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion: 75 Resp: 119681
Ion Ratio Lower Upper
75 100
77 32.4 26.3 39.5
39 64.5 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 21.819 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tgt Ion: 97 Resp: 54166

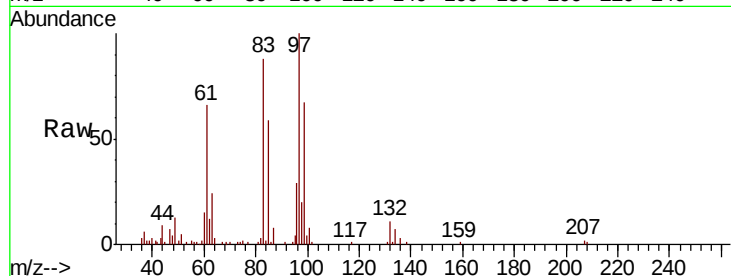
Ion Ratio Lower Upper

97 100

83 88.4 65.3 97.9

85 58.9 44.7 67.1

99 66.7 47.0 70.4

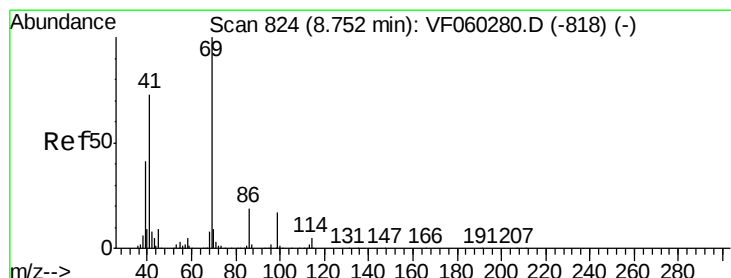
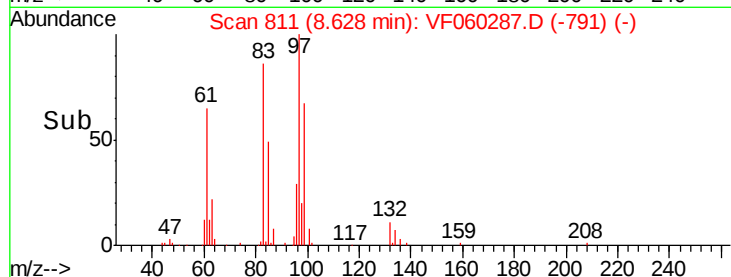
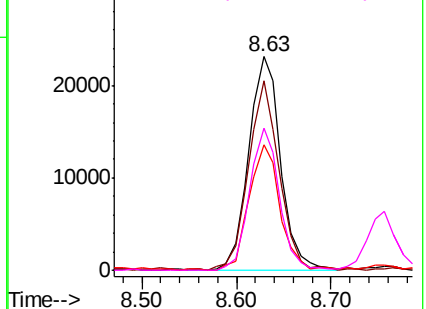


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.159 ug/l

RT: 8.76 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

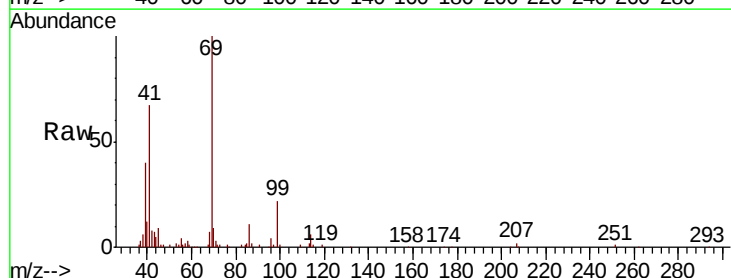
Tgt Ion: 69 Resp: 63440

Ion Ratio Lower Upper

69 100

41 67.0 59.4 89.2

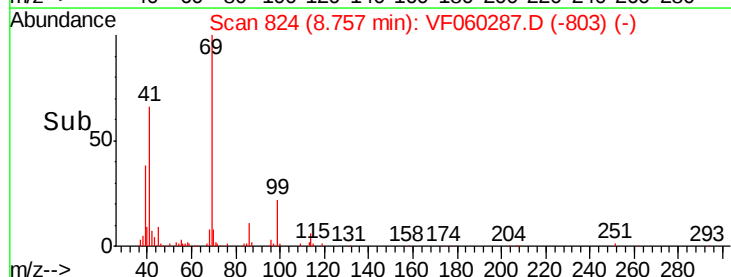
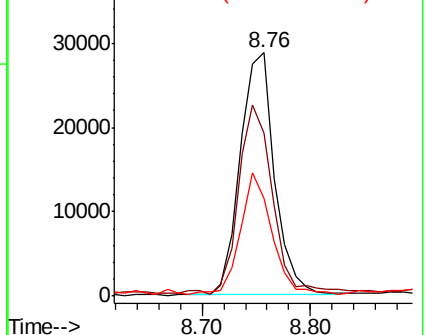
39 40.1 33.5 50.3

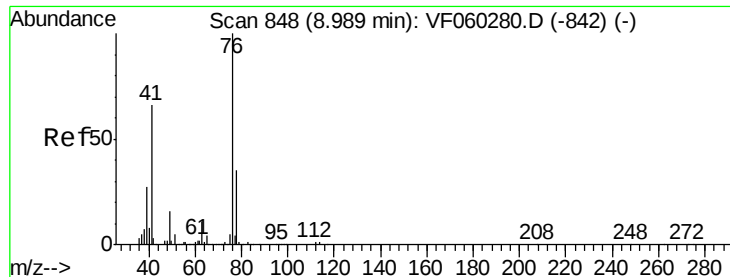


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.966 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

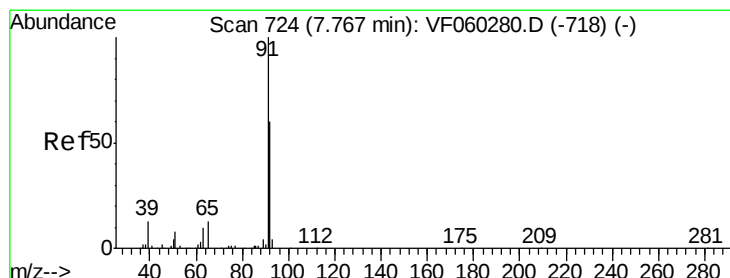
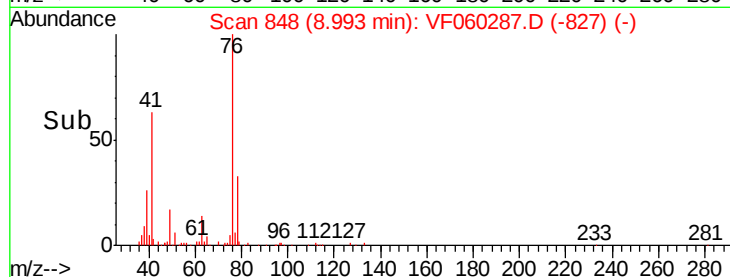
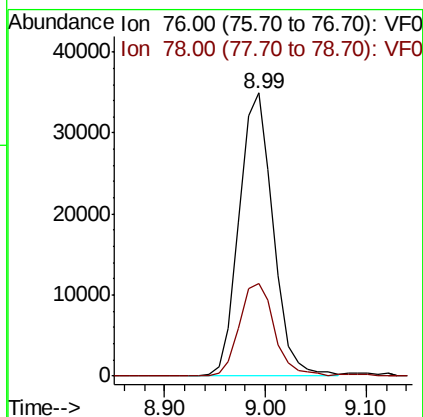
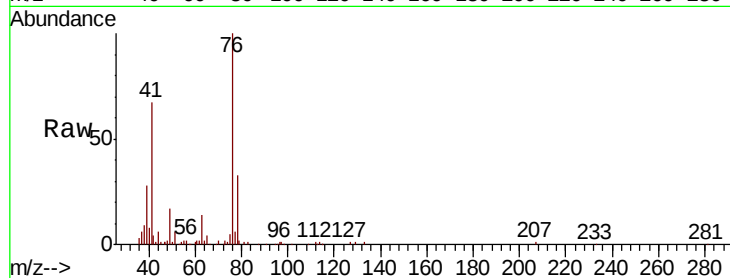
VF0919SBS01

Tgt Ion: 76 Resp: 82069

Ion Ratio Lower Upper

76 100

78 32.6 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 104.395 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060287.D

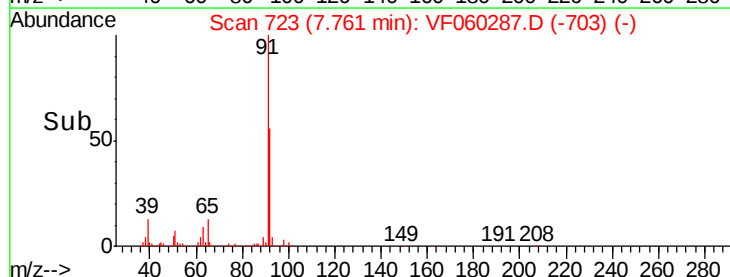
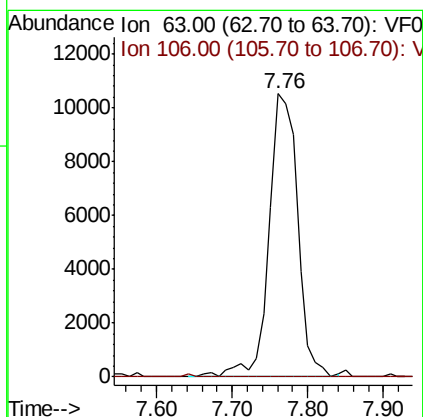
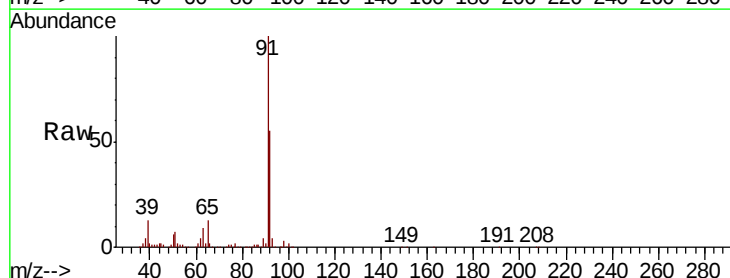
Acq: 19 Sep 2018 19:03

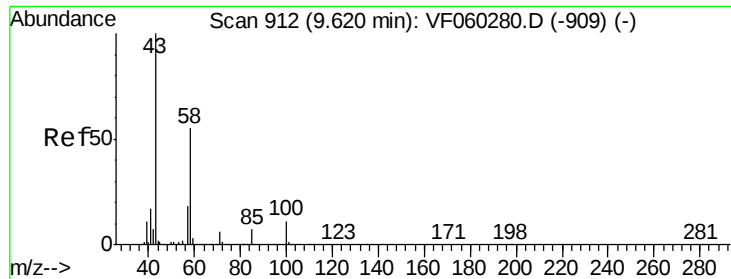
Tgt Ion: 63 Resp: 27670

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

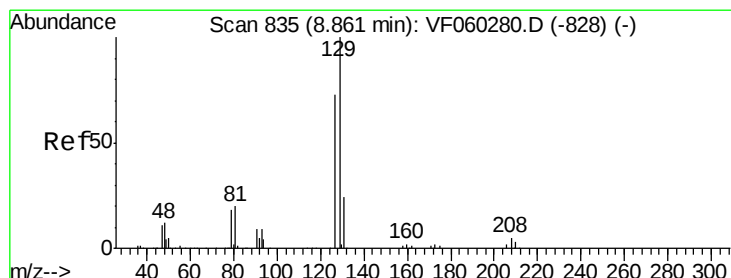
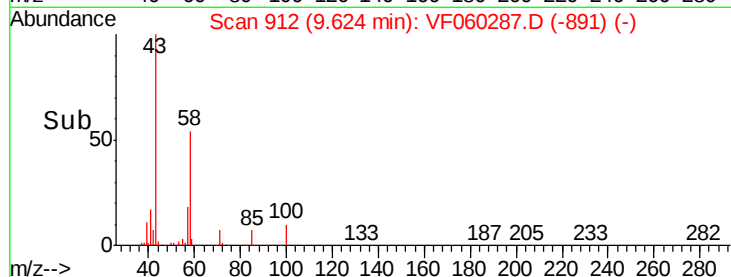
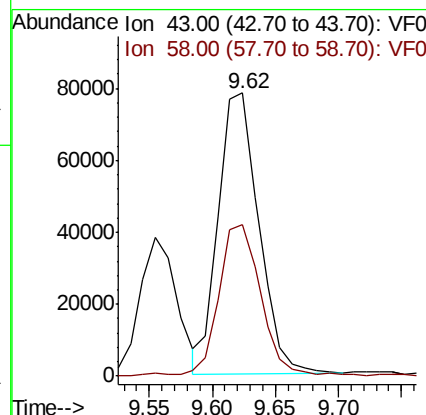
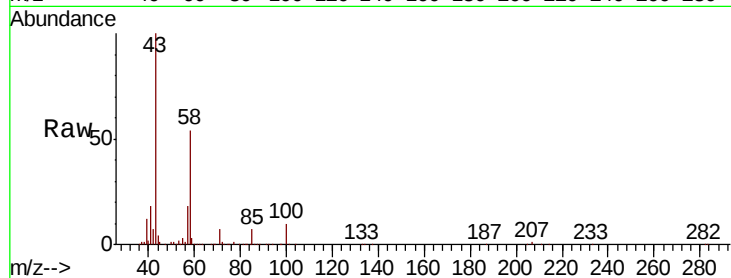




#59
 2-Hexanone
 Concen: 108.959 ug/l
 RT: 9.62 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

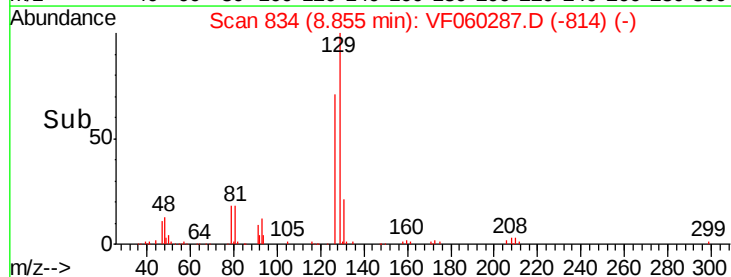
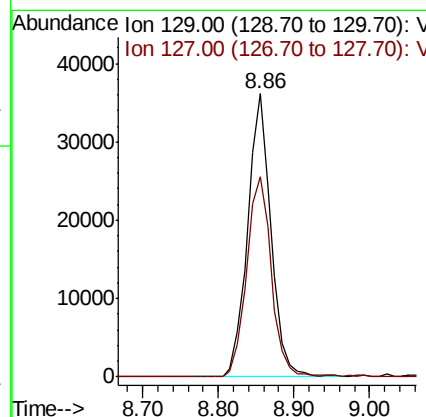
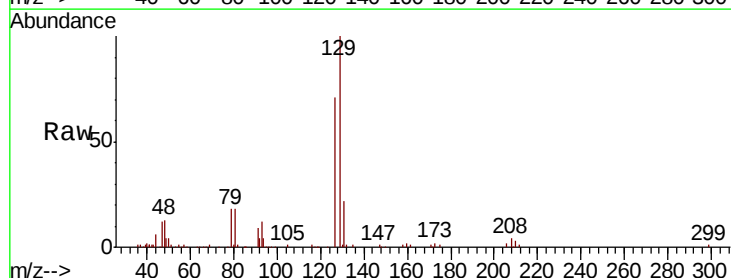
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

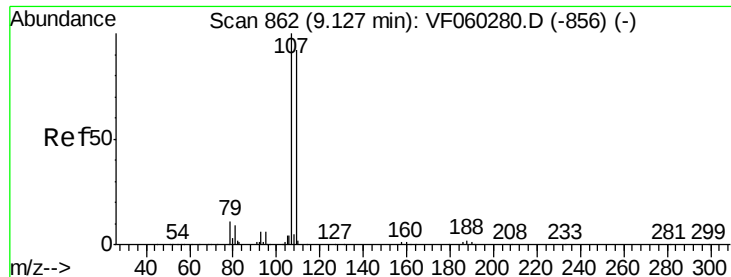
Tgt Ion: 43 Resp: 173673
 Ion Ratio Lower Upper
 43 100
 58 53.7 25.9 77.6



#60
 Dibromochloromethane
 Concen: 20.865 ug/l
 RT: 8.86 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion: 129 Resp: 77202
 Ion Ratio Lower Upper
 129 100
 127 70.7 36.6 109.8





#61

1,2-Dibromoethane

Concen: 21.408 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

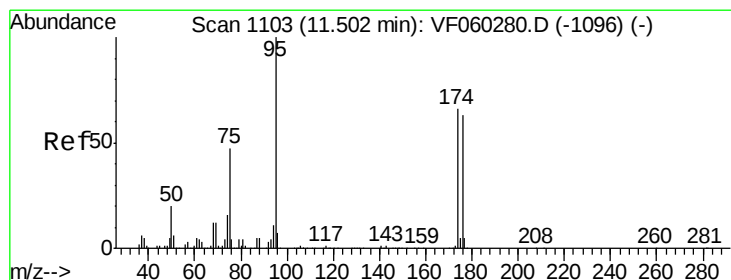
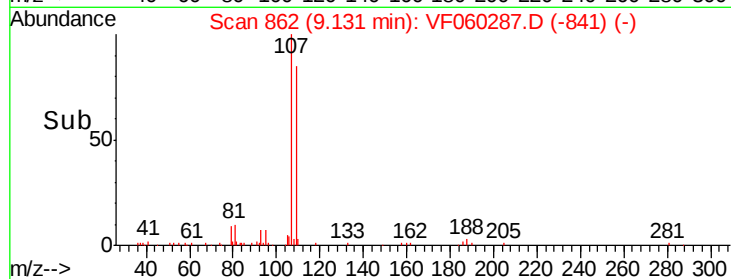
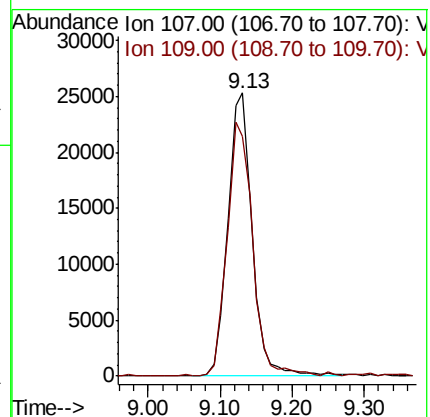
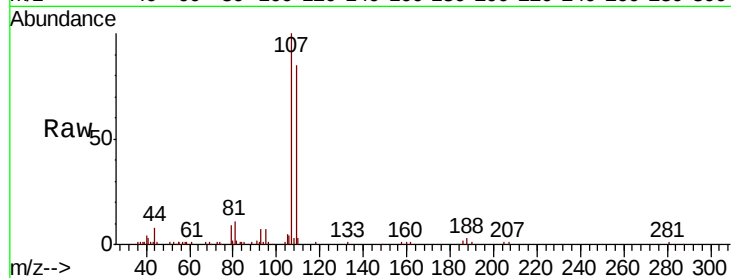
VF0919SBS01

Tgt Ion: 107 Resp: 59181

Ion Ratio Lower Upper

107 100

109 84.9 73.2 109.8



#62

4-Bromofluorobenzene

Concen: 46.508 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

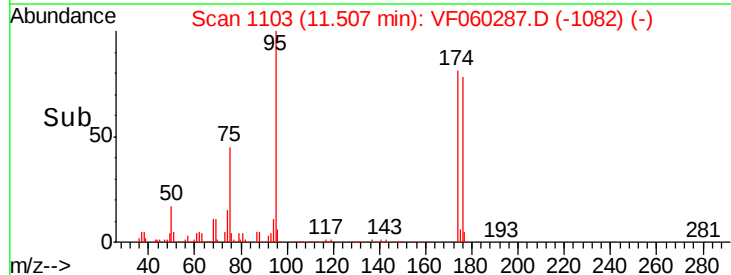
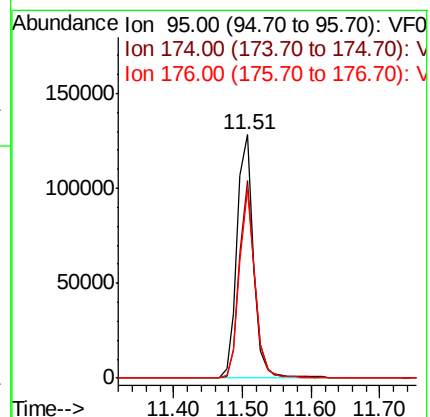
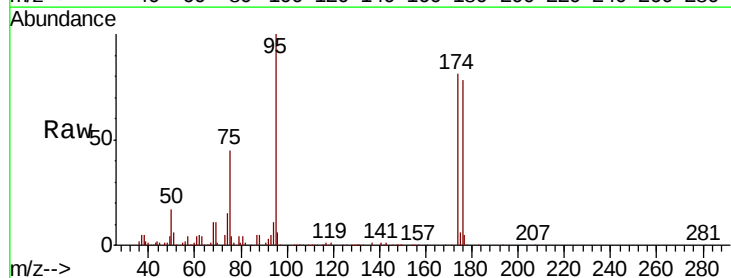
Tgt Ion: 95 Resp: 213345

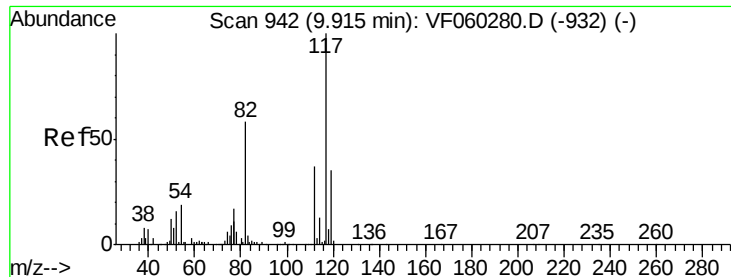
Ion Ratio Lower Upper

95 100

174 81.1 0.0 131.2

176 77.6 0.0 126.6

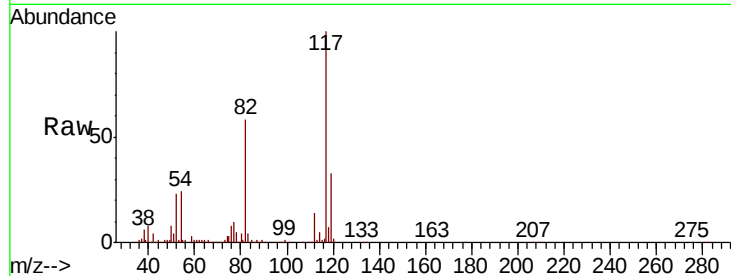




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.2	69.2
119	32.7	27.8	41.6

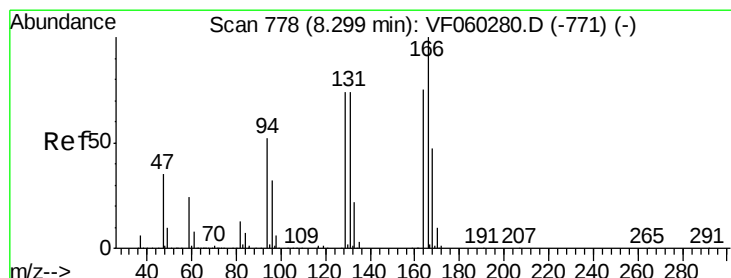
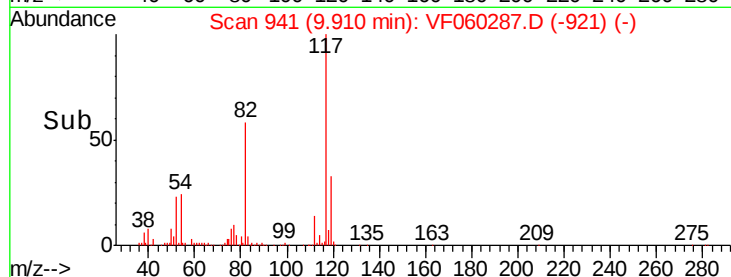
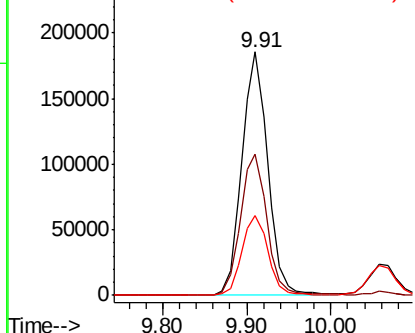


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 21.427 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	106.8	160.2
129	105.4	78.8	118.2
131	95.3	78.7	118.1

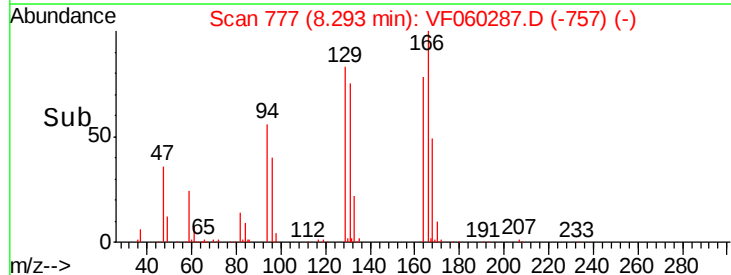
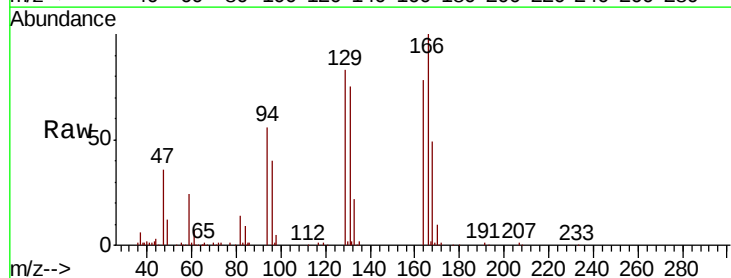
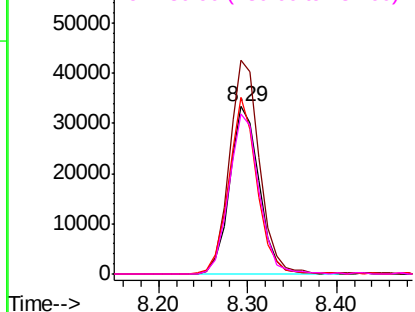
Abundance

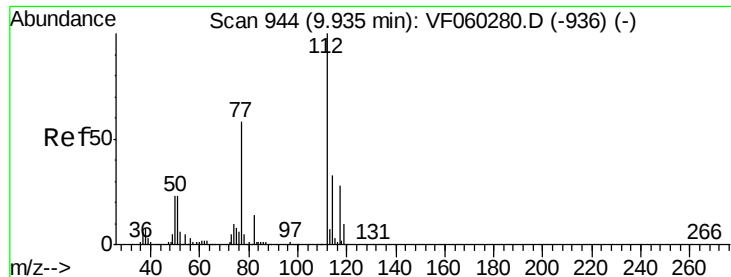
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

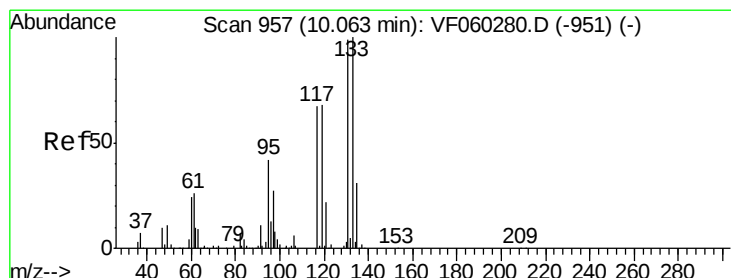
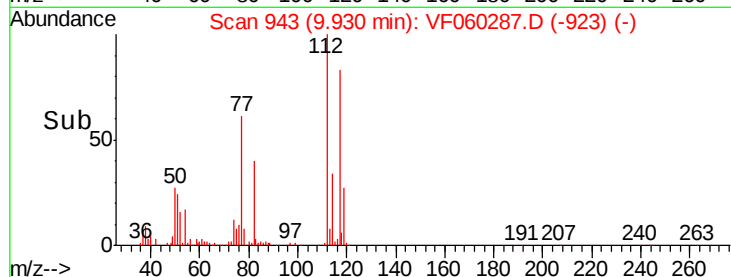
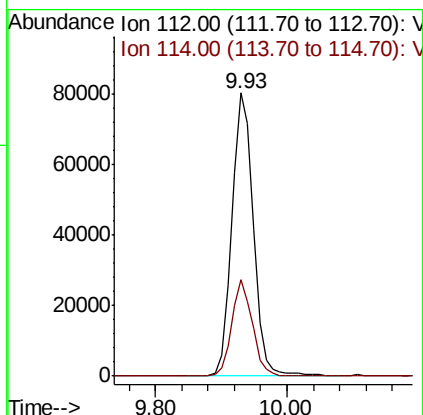
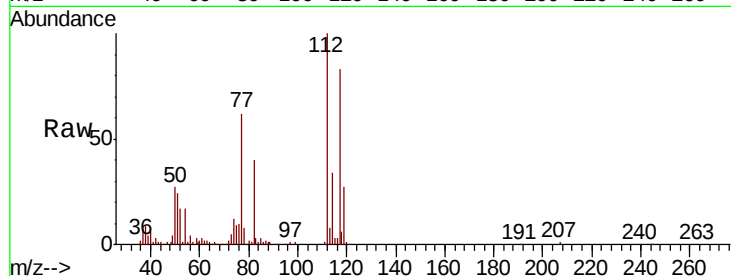




#65
Chlorobenzene
Concen: 20.470 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

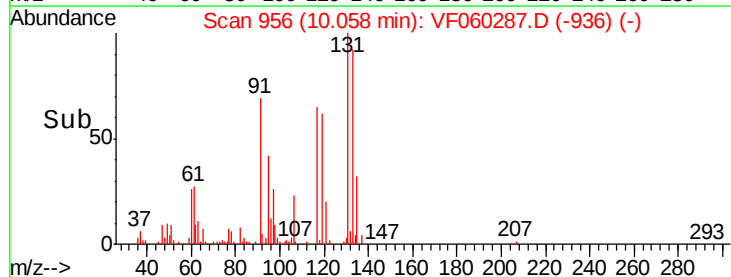
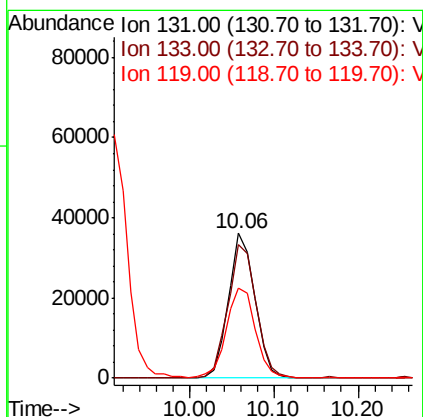
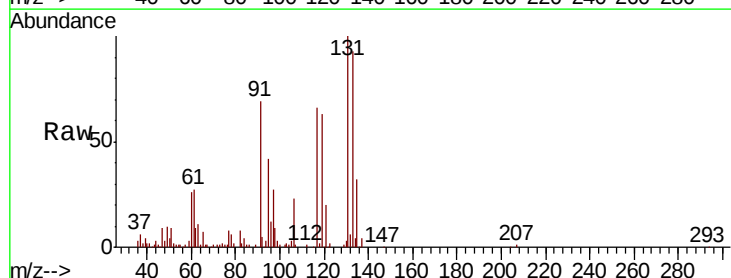
Instrument :
MSVOA_F
ClientSampleId :
VF0919SBSD01

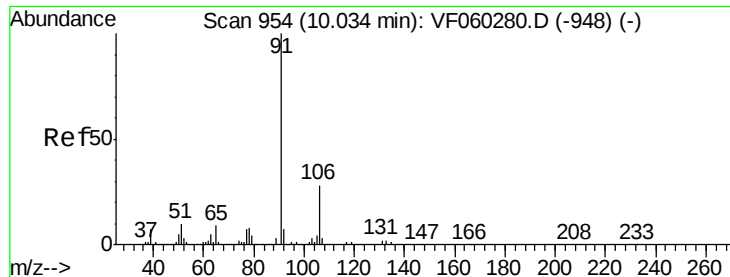
Tgt Ion:112 Resp: 184569
Ion Ratio Lower Upper
112 100
114 33.9 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.167 ug/l
RT: 10.06 min Scan# 956
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion:131 Resp: 79203
Ion Ratio Lower Upper
131 100
133 92.6 50.4 151.2
119 62.6 34.8 104.3





#67

Ethyl Benzene

Concen: 21.734 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

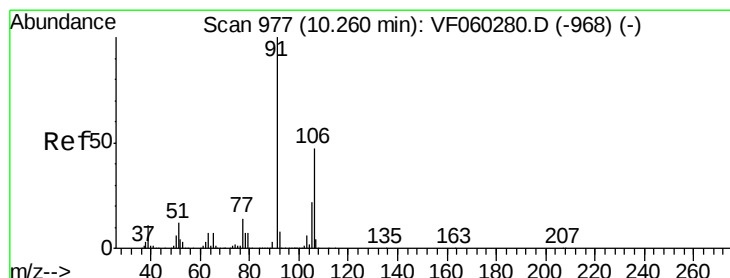
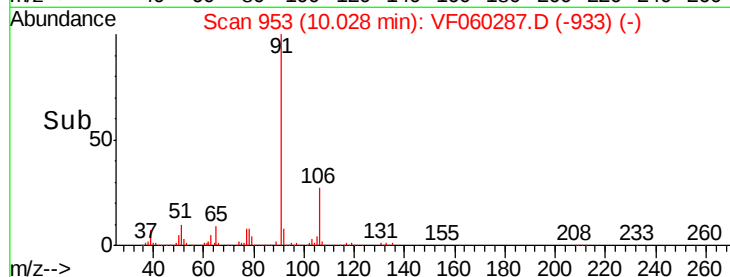
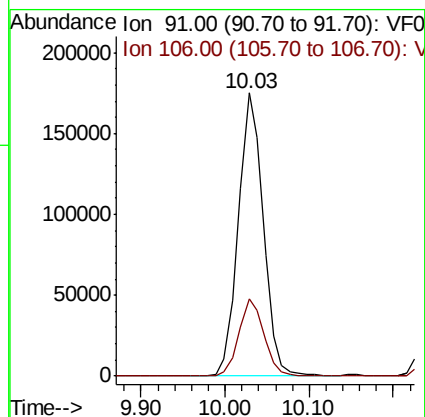
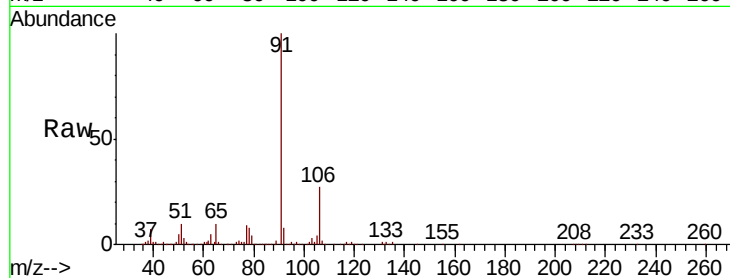
VF0919SBS01

Tgt Ion: 91 Resp: 362317

Ion Ratio Lower Upper

91 100

106 27.2 22.7 34.1



#68

m/p-Xylenes

Concen: 41.860 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060287.D

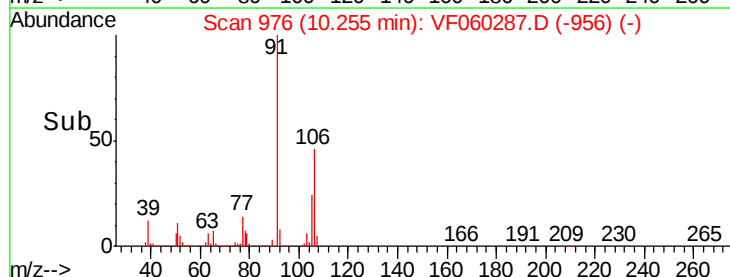
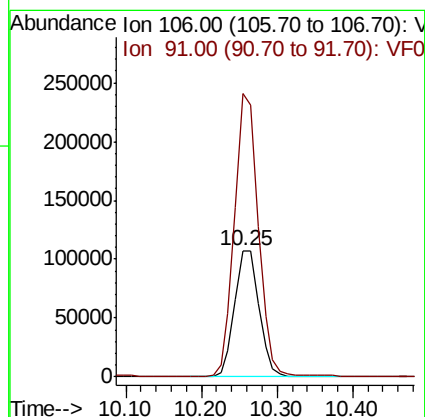
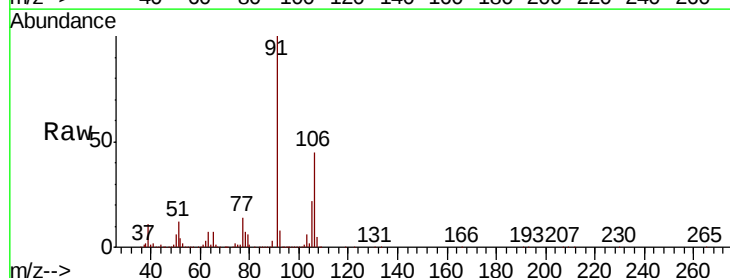
Acq: 19 Sep 2018 19:03

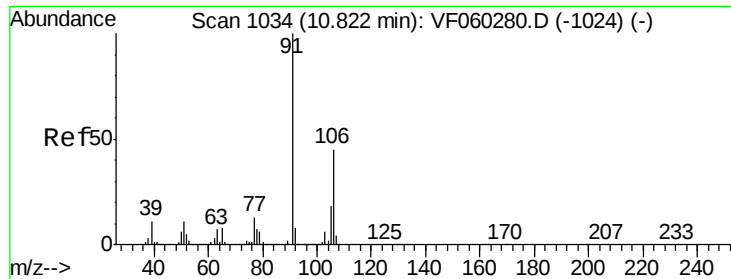
Tgt Ion: 106 Resp: 241095

Ion Ratio Lower Upper

106 100

91 223.8 172.3 258.5

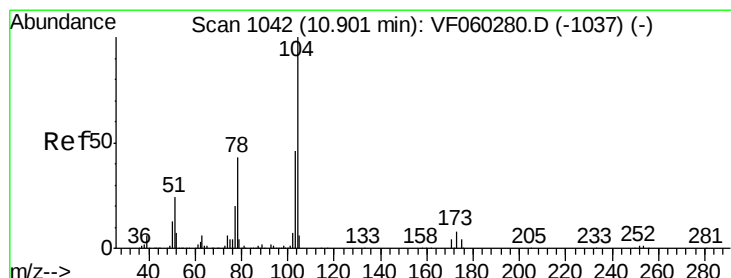
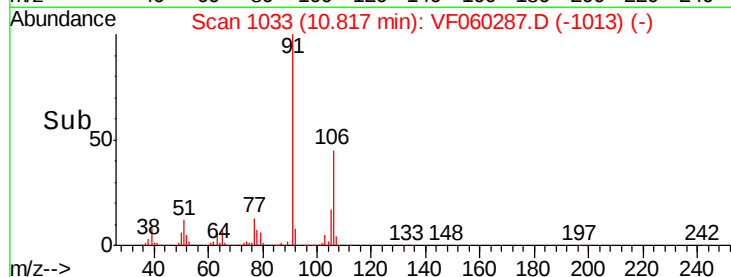
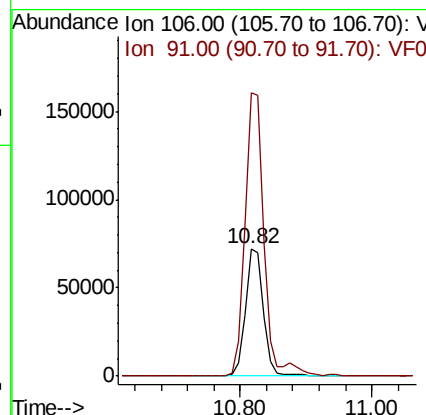
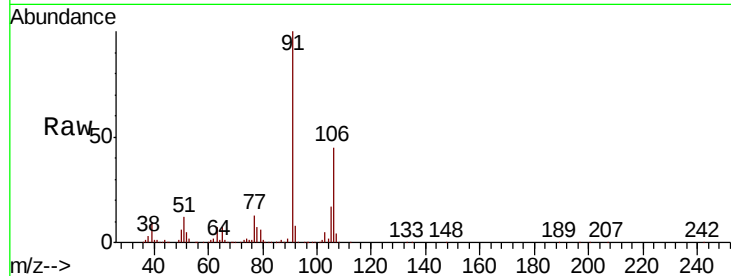




#69
o-Xylene
Concen: 21.399 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

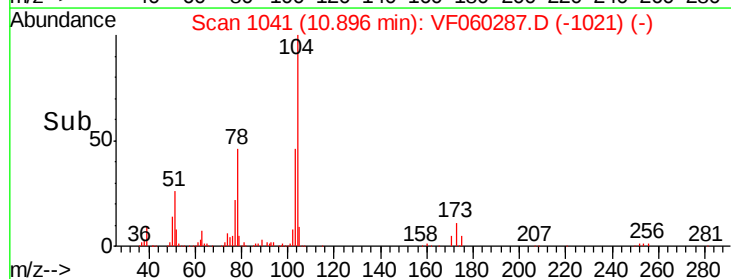
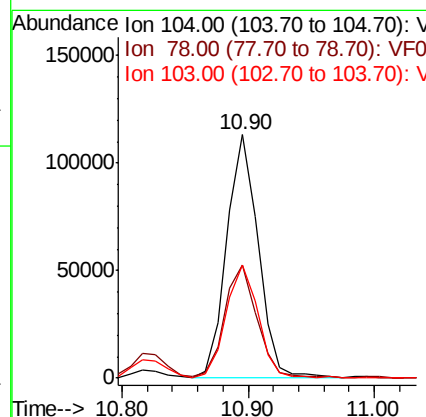
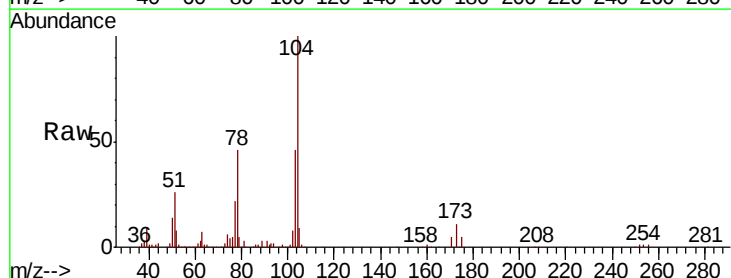
Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

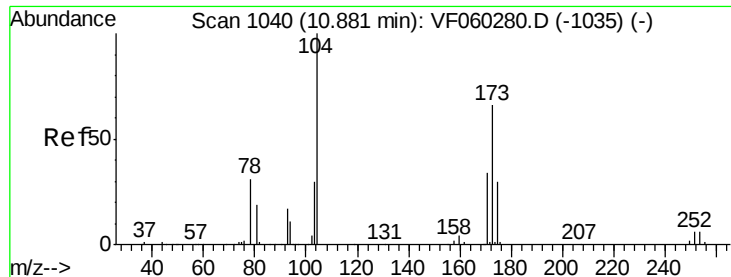
Tgt Ion:106 Resp: 138238
Ion Ratio Lower Upper
106 100
91 222.4 110.9 332.6



#70
Styrene
Concen: 21.484 ug/l
RT: 10.90 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060287.D
Acq: 19 Sep 2018 19:03

Tgt Ion:104 Resp: 195727
Ion Ratio Lower Upper
104 100
78 46.5 35.0 52.6
103 46.3 37.4 56.0





#71

Bromoform

Concen: 20.863 ug/l

RT: 10.89 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

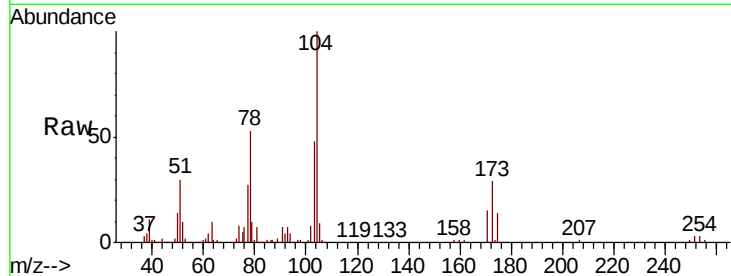
Tgt Ion:173 Resp: 42873

Ion Ratio Lower Upper

173 100

175 50.0 22.3 66.9

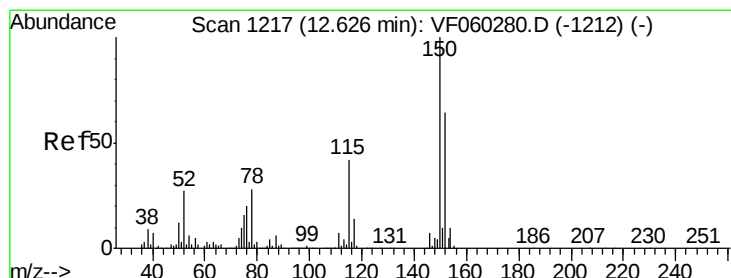
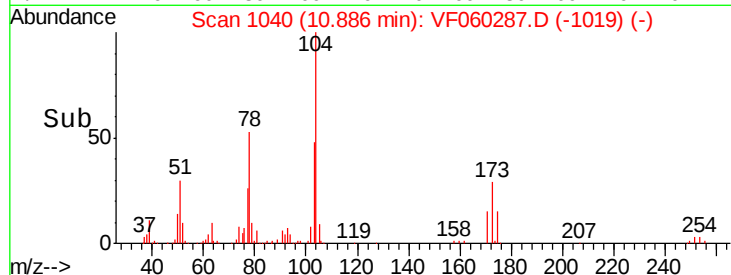
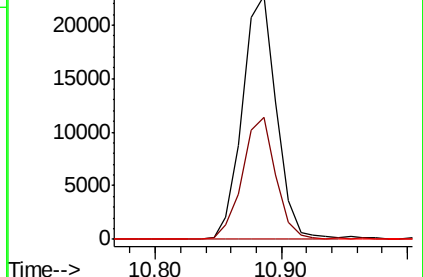
254 0.0 0.0 0.0



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: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

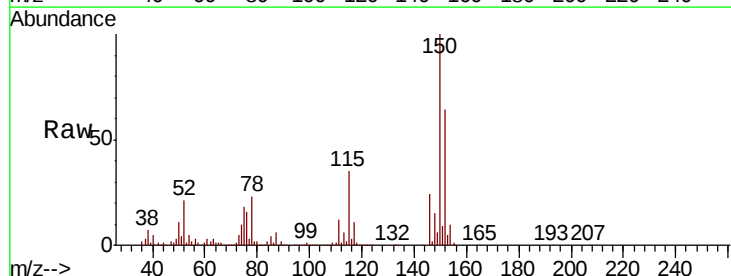
Tgt Ion:152 Resp: 213259

Ion Ratio Lower Upper

152 100

115 54.6 32.6 97.8

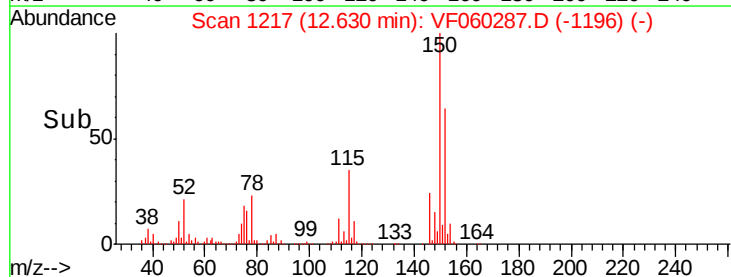
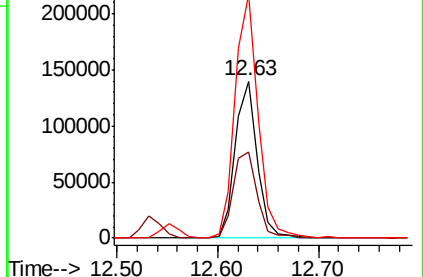
150 155.3 0.0 314.2

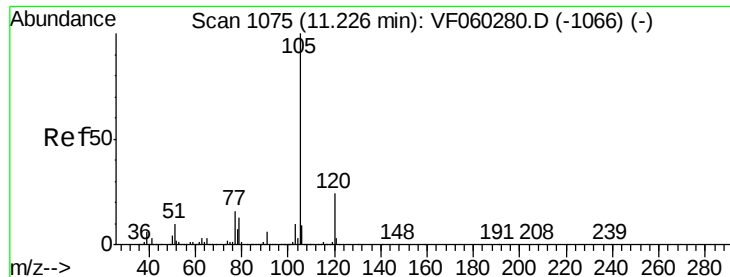


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.184 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

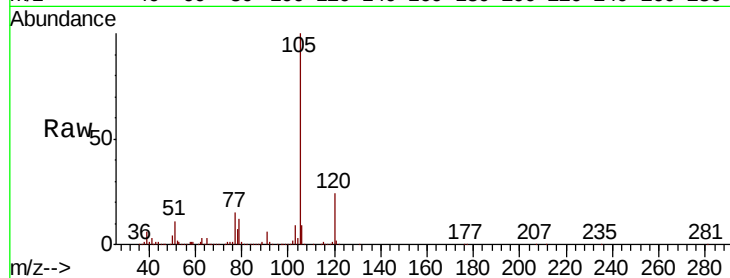
VF0919SBS01

Tgt Ion: 105 Resp: 405569

Ion Ratio Lower Upper

105 100

120 24.4 12.2 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

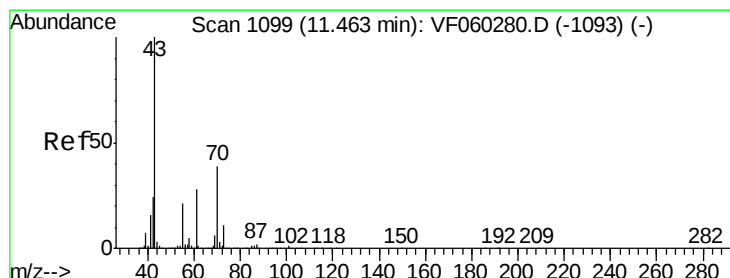
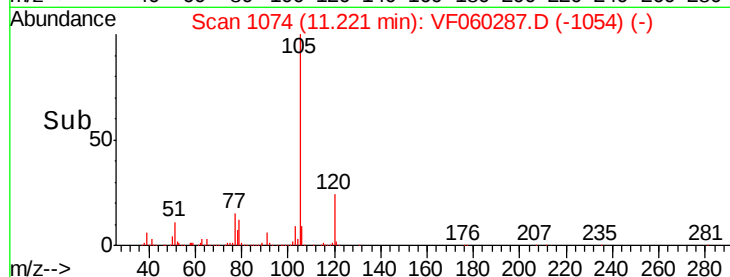
100000

50000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 24.068 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Tgt Ion: 43 Resp: 98260

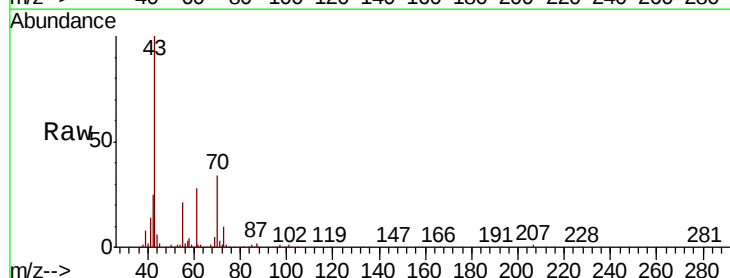
Ion Ratio Lower Upper

43 100

70 34.2 31.4 47.2

55 20.9 16.8 25.2

61 28.2 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

100000

80000

60000

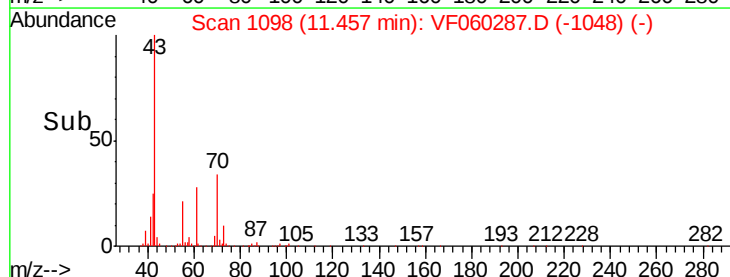
40000

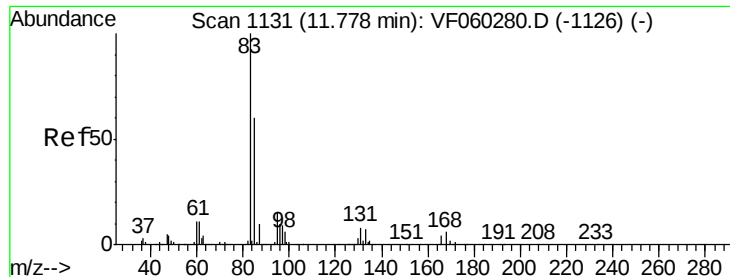
20000

0

11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.262 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

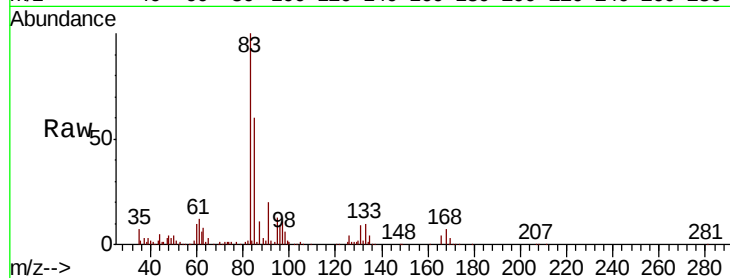
Tgt Ion: 83 Resp: 72140

Ion Ratio Lower Upper

83 100

131 8.6 4.2 12.4

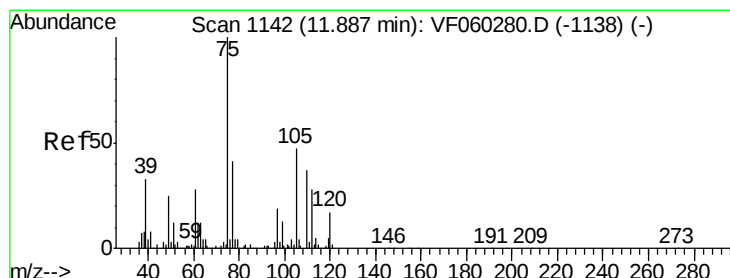
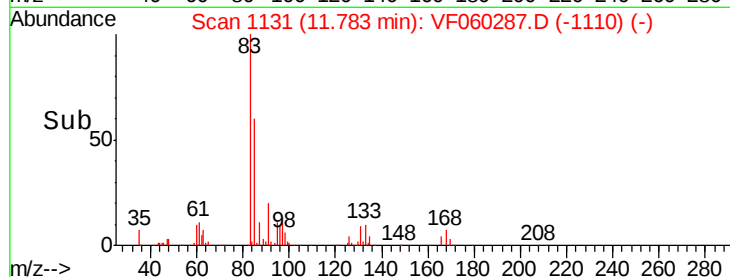
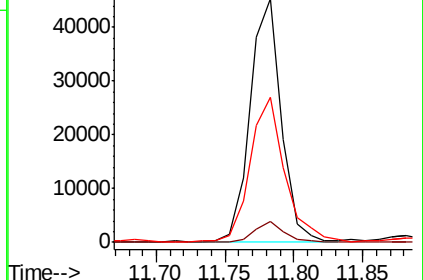
85 59.8 30.1 90.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.975 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060287.D

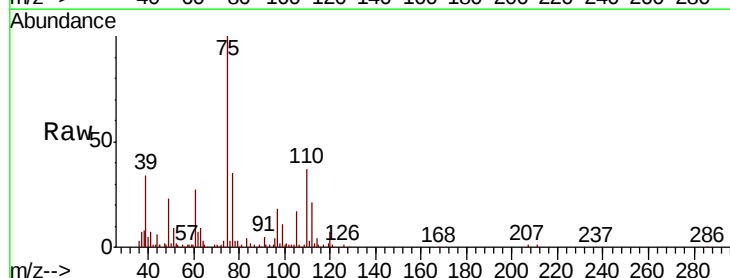
Acq: 19 Sep 2018 19:03

Tgt Ion: 75 Resp: 50956

Ion Ratio Lower Upper

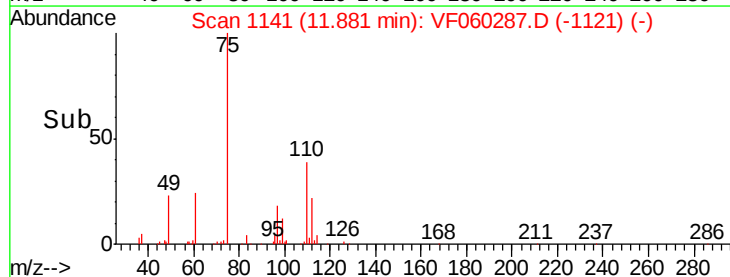
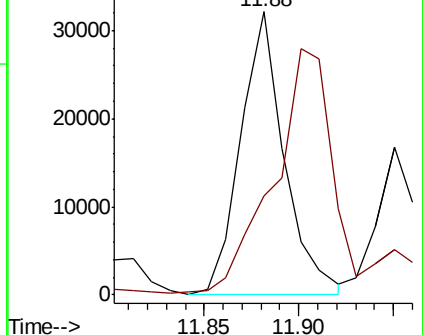
75 100

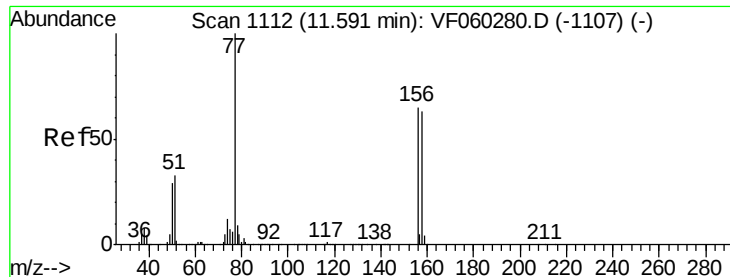
77 34.9 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.083 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

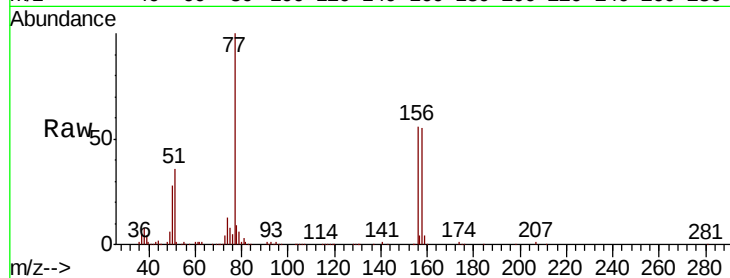
Tgt Ion:156 Resp: 82861

Ion Ratio Lower Upper

156 100

77 179.7 77.3 232.1

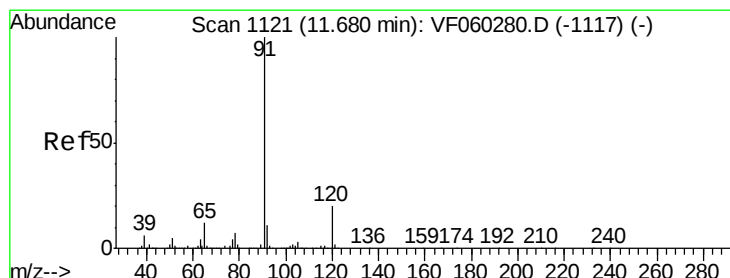
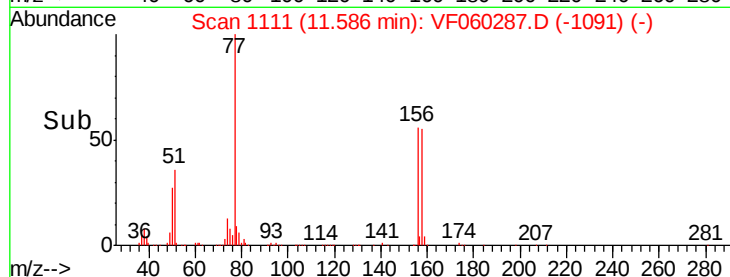
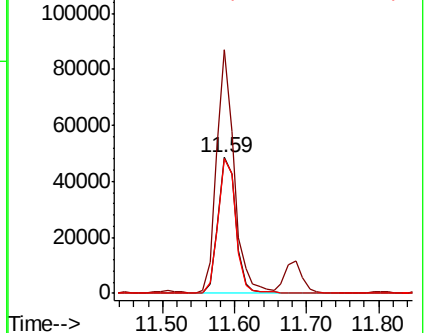
158 99.4 48.4 145.2



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: 20.673 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF060287.D

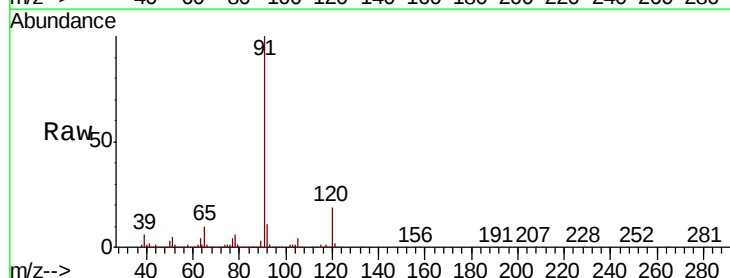
Acq: 19 Sep 2018 19:03

Tgt Ion: 91 Resp: 482419

Ion Ratio Lower Upper

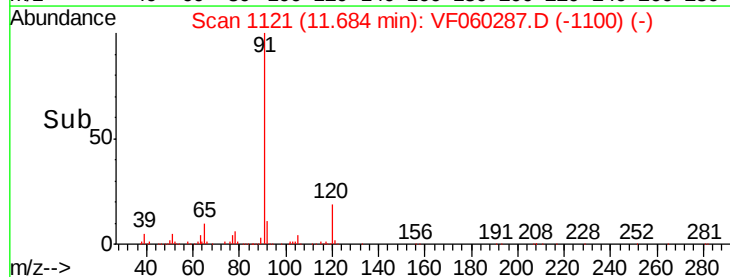
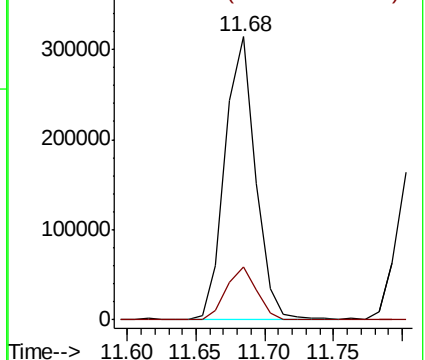
91 100

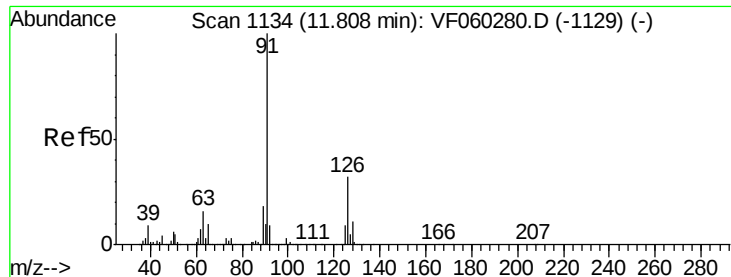
120 18.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

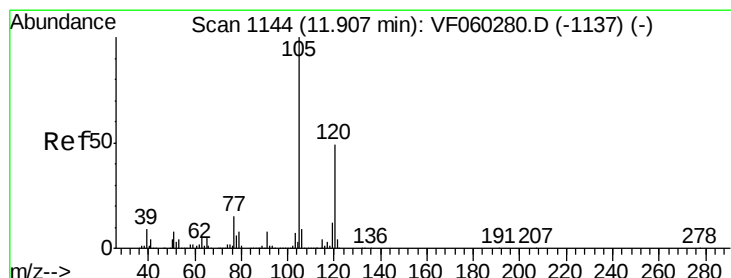
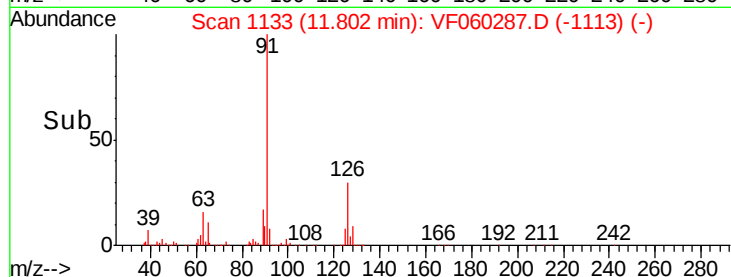
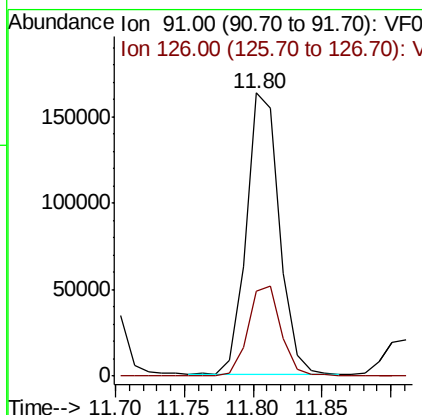
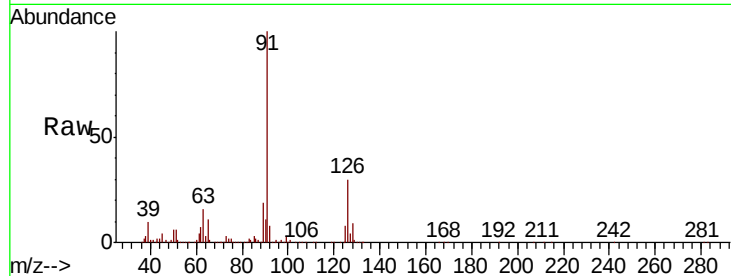




#79
 2-Chlorotoluene
 Concen: 21.073 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

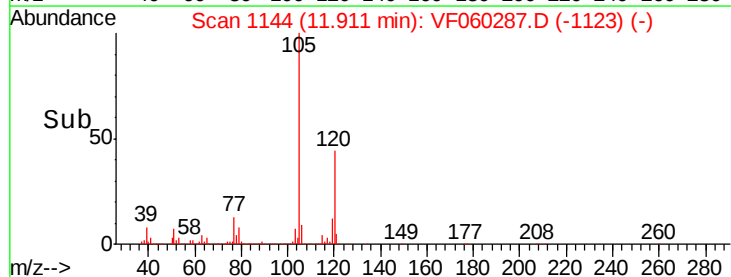
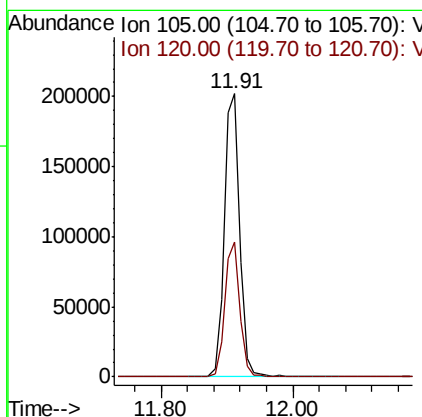
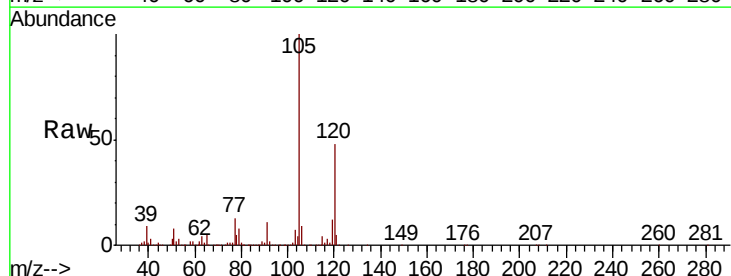
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBSD01

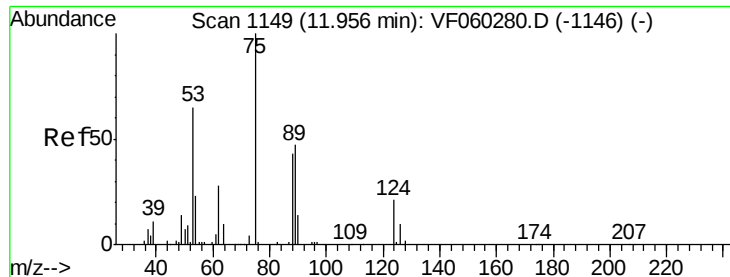
Tgt Ion: 91 Resp: 272143
 Ion Ratio Lower Upper
 91 100
 126 30.2 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 21.395 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion: 105 Resp: 329721
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 25.081 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

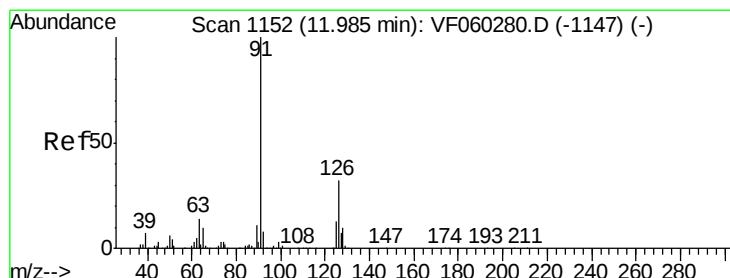
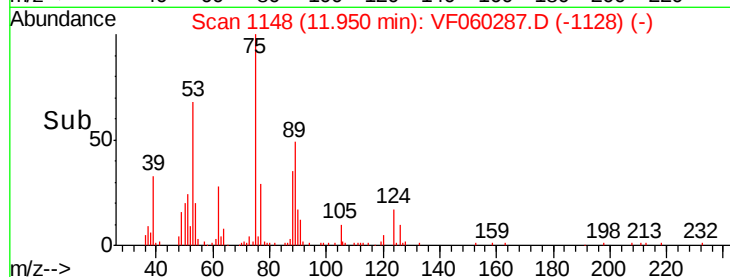
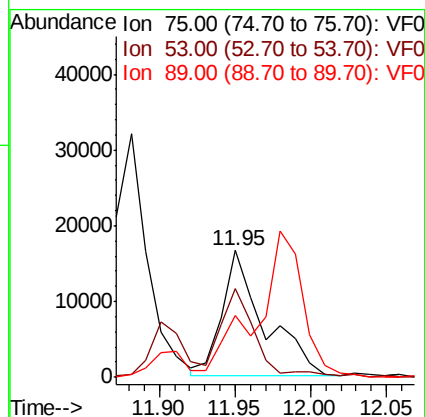
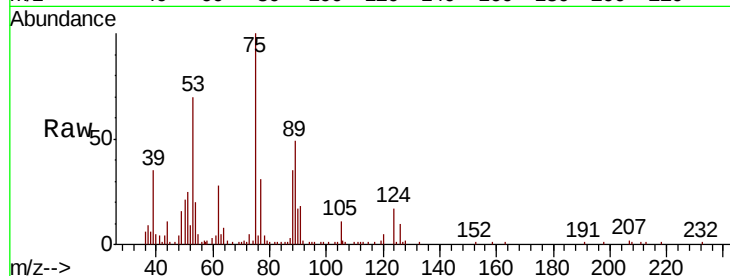
Tgt Ion: 75 Resp: 32200

Ion Ratio Lower Upper

75 100

53 69.8 56.5 84.7

89 49.2 40.6 60.8



#82

4-Chlorotoluene

Concen: 20.886 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060287.D

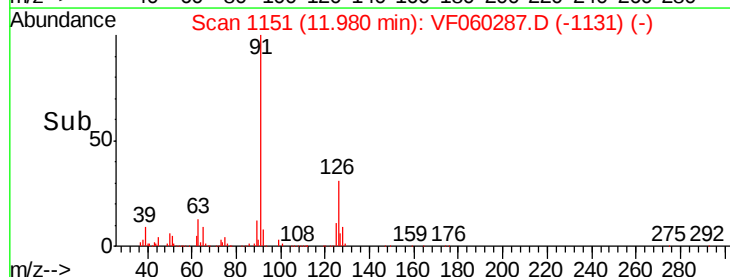
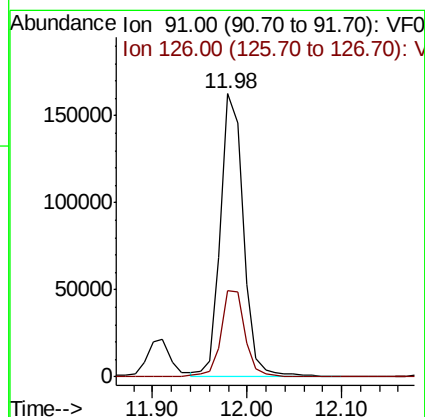
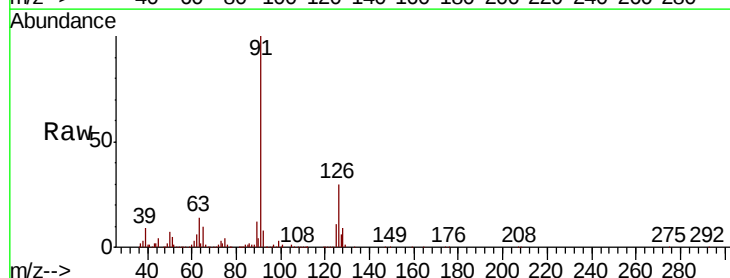
Acq: 19 Sep 2018 19:03

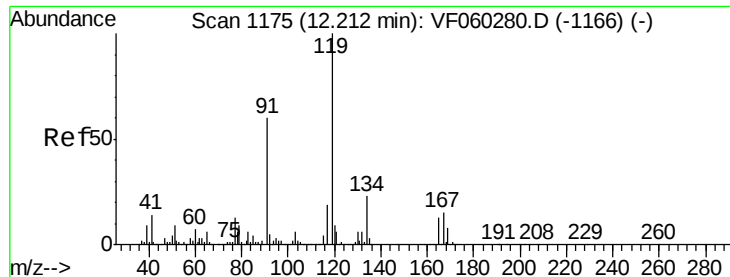
Tgt Ion: 91 Resp: 271108

Ion Ratio Lower Upper

91 100

126 30.3 16.1 48.2

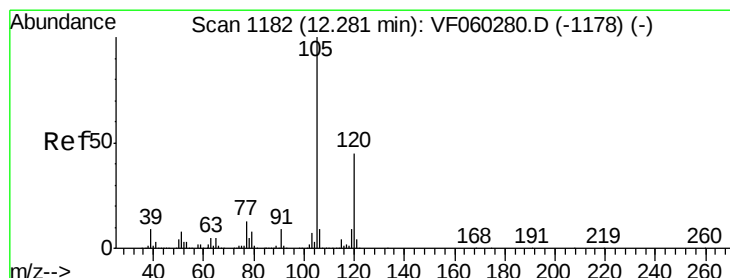
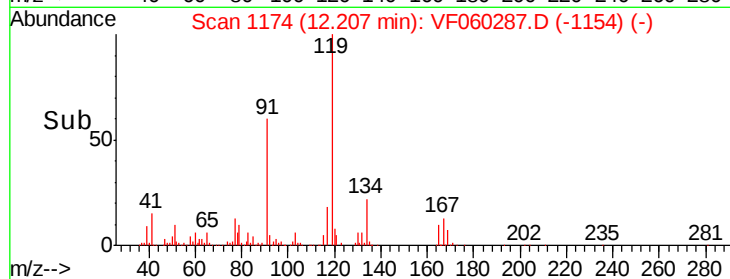
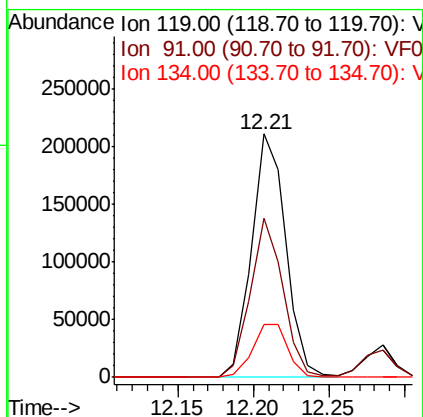
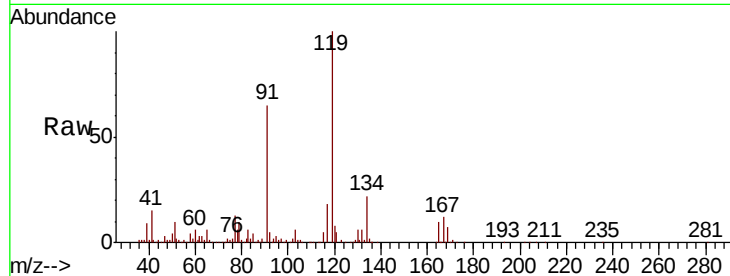




#83
 tert-Butylbenzene
 Concen: 21.365 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

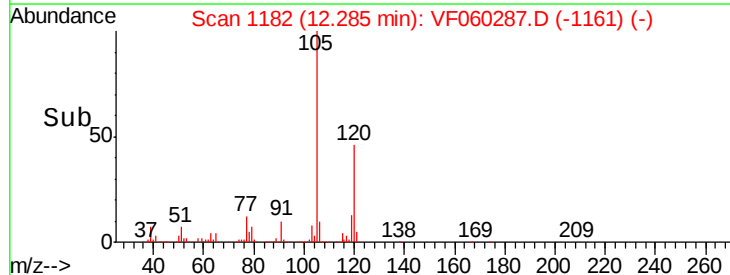
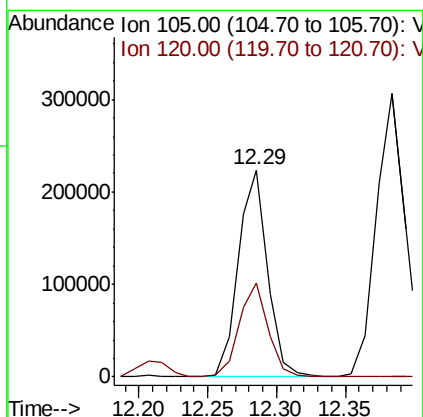
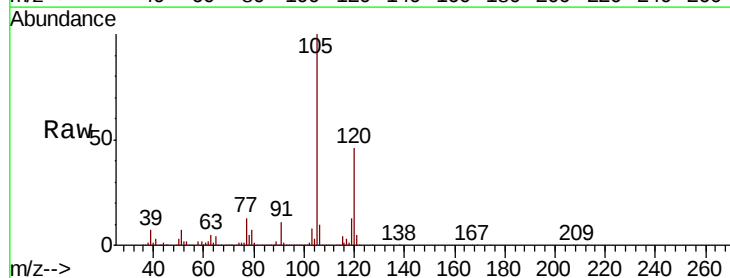
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

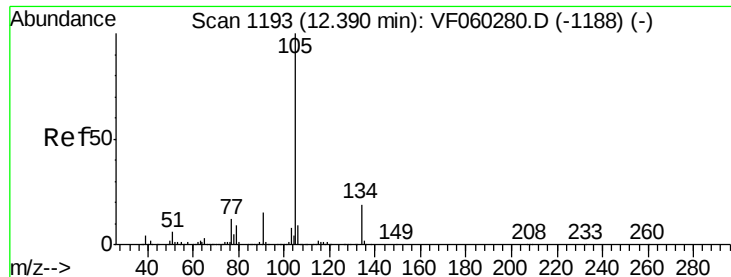
Tgt Ion:119 Resp: 333774
 Ion Ratio Lower Upper
 119 100
 91 65.4 30.3 91.0
 134 21.7 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.070 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion:105 Resp: 329725
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.4 67.0

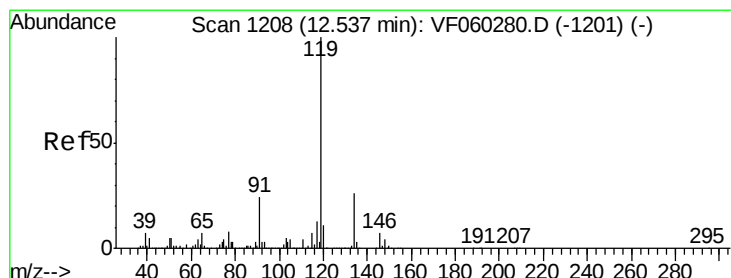
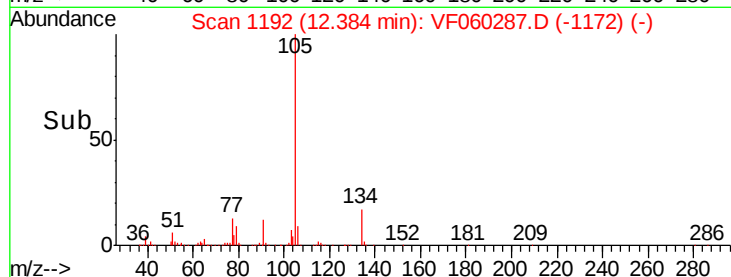
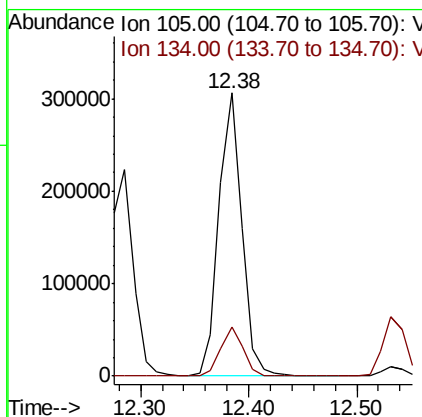
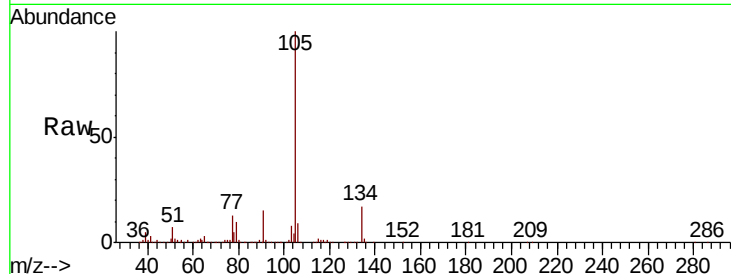




#85
 sec-Butylbenzene
 Concen: 19.728 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

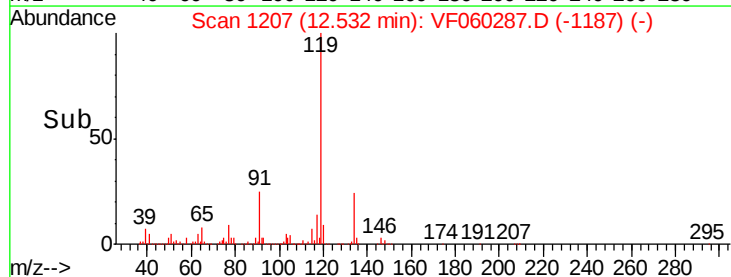
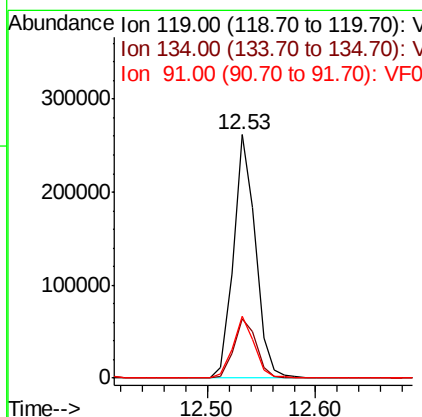
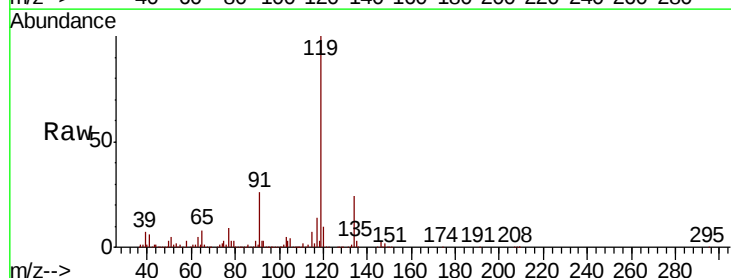
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

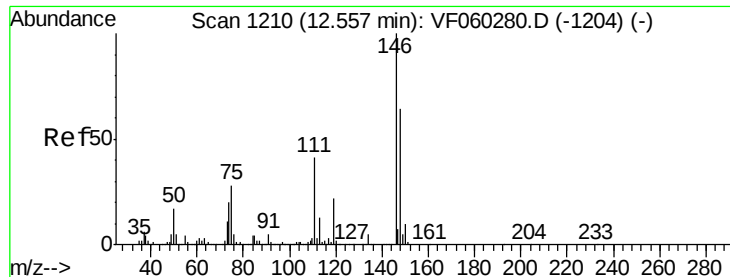
Tgt Ion:105 Resp: 450915
 Ion Ratio Lower Upper
 105 100
 134 17.4 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 20.852 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion:119 Resp: 370210
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.9 38.7
 91 25.6 11.9 35.7

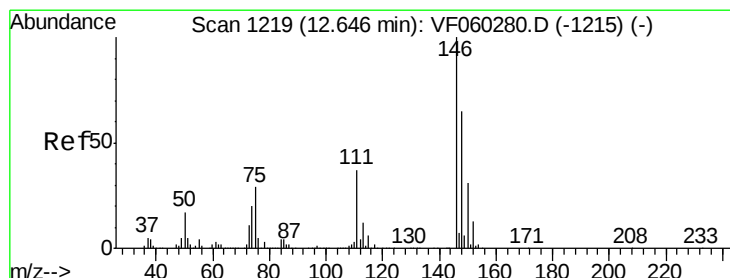
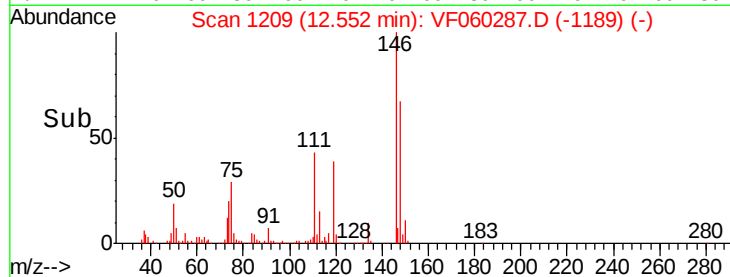
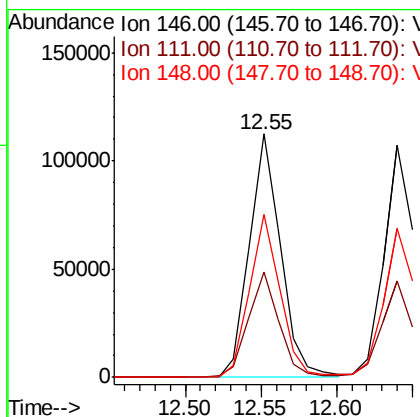
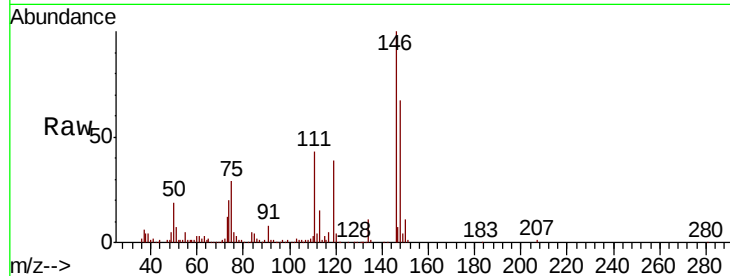




#87
 1,3-Dichlorobenzene
 Concen: 21.138 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

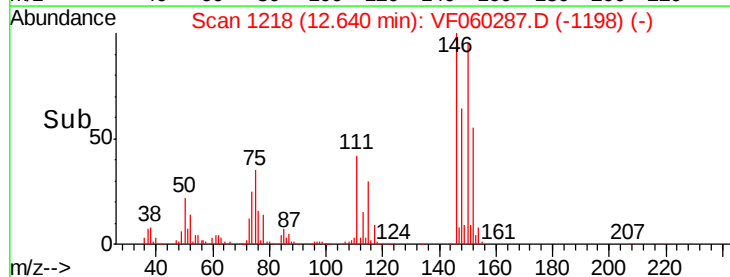
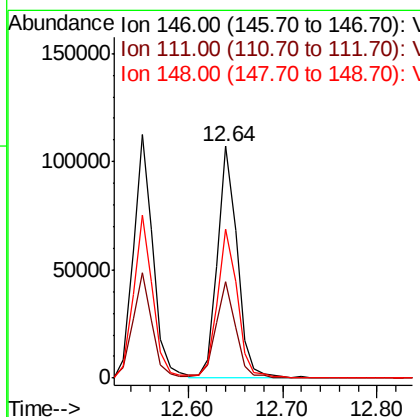
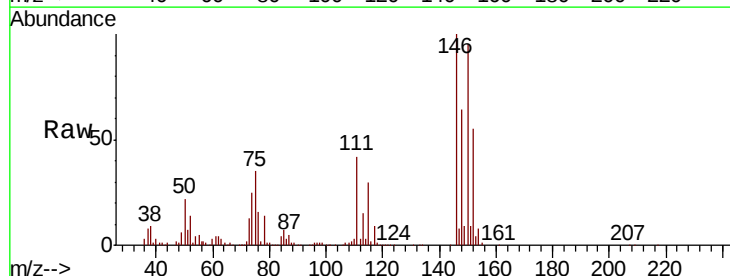
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

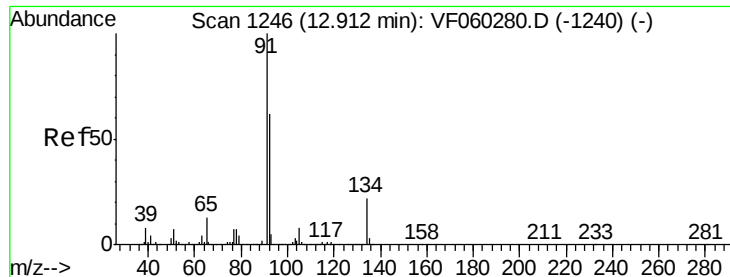
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.5	61.6
148	67.0	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.446 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	18.7	56.1
148	64.3	32.4	97.0





#89

n-Butylbenzene

Concen: 21.034 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

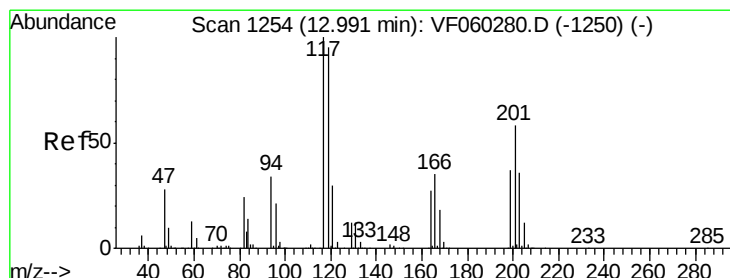
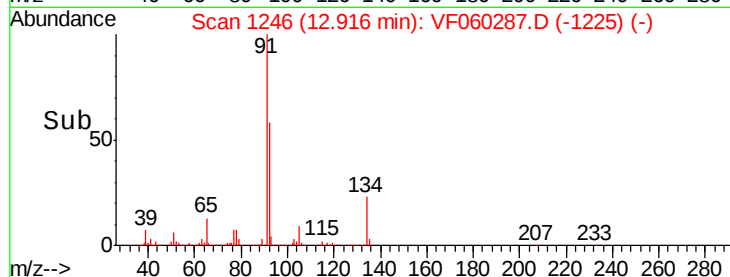
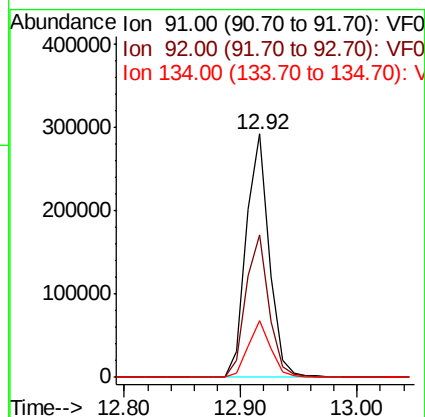
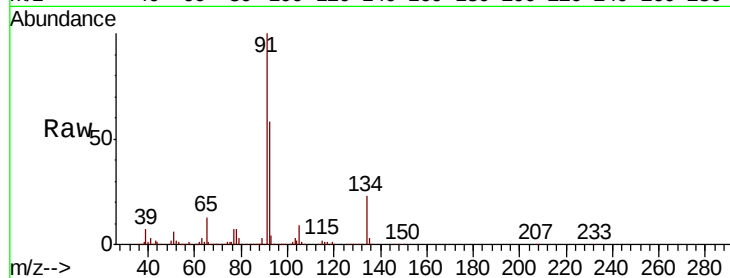
Tgt Ion: 91 Resp: 399745

Ion Ratio Lower Upper

91 100

92 58.5 31.1 93.5

134 23.2 11.0 33.0



#90

Hexachloroethane

Concen: 20.757 ug/l

RT: 13.00 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF060287.D

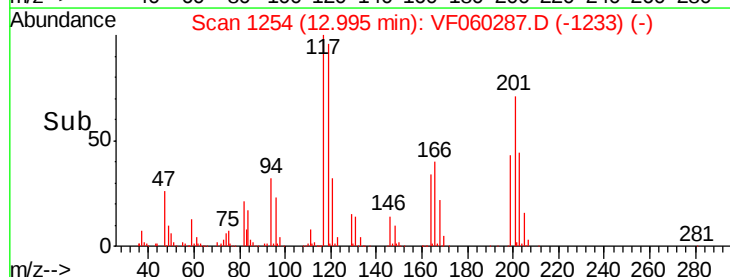
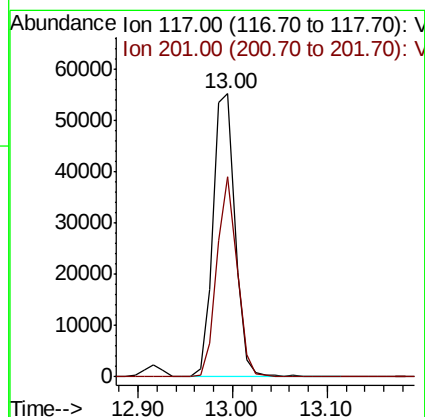
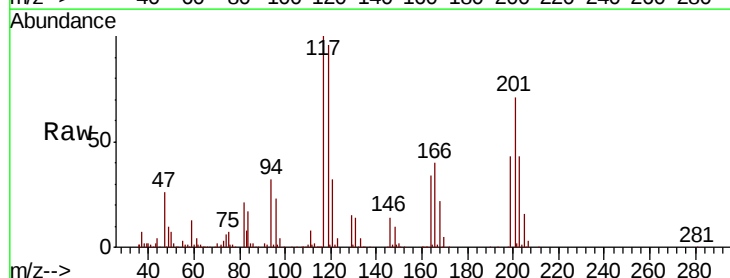
Acq: 19 Sep 2018 19:03

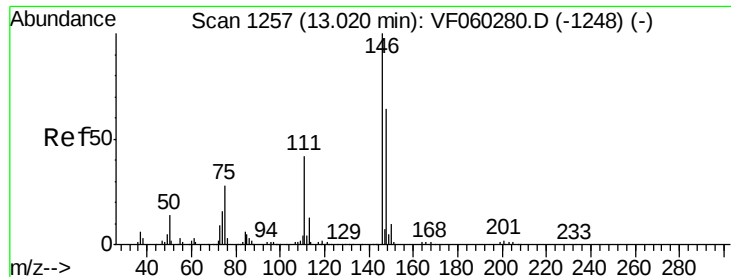
Tgt Ion: 117 Resp: 90740

Ion Ratio Lower Upper

117 100

201 70.7 29.0 87.0





#91

1,2-Dichlorobenzene

Concen: 21.007 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

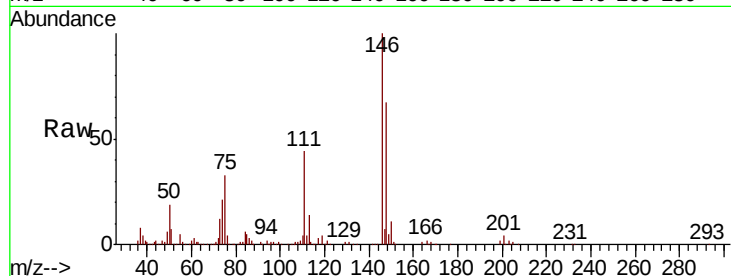
Tgt Ion:146 Resp: 154502

Ion Ratio Lower Upper

146 100

111 44.0 20.9 62.8

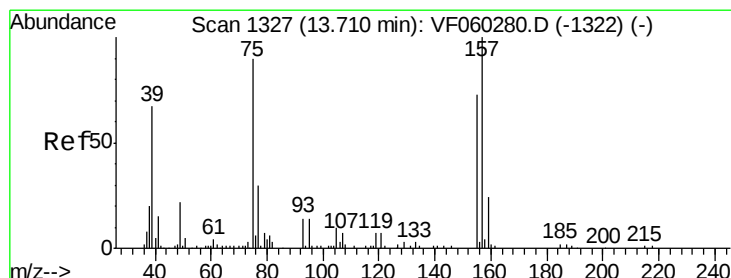
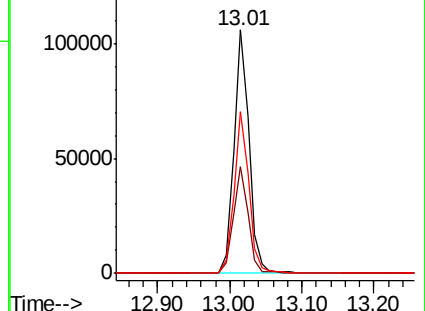
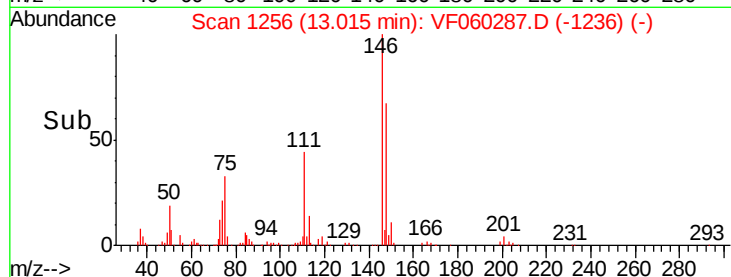
148 66.6 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.232 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

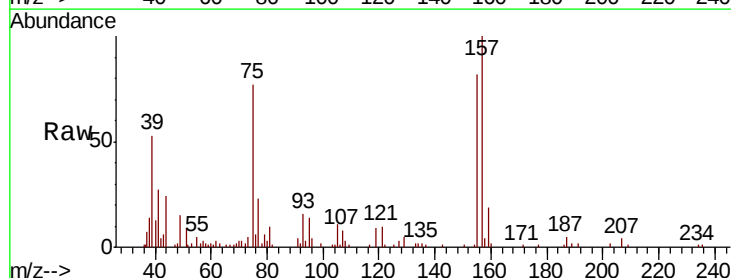
Tgt Ion: 75 Resp: 12251

Ion Ratio Lower Upper

75 100

155 106.5 41.9 125.7

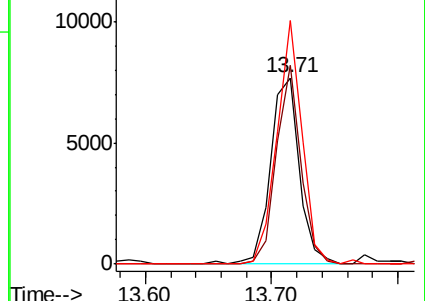
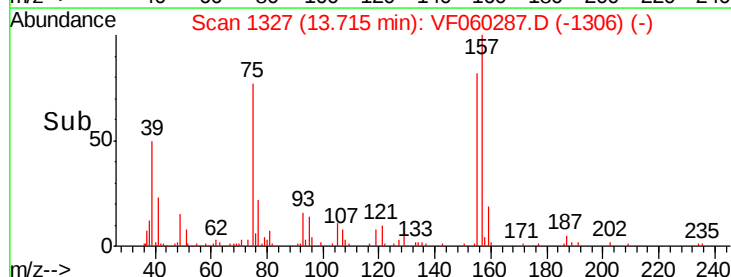
157 130.5 57.4 172.0

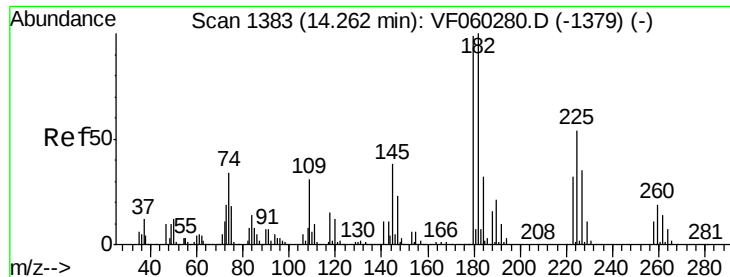


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

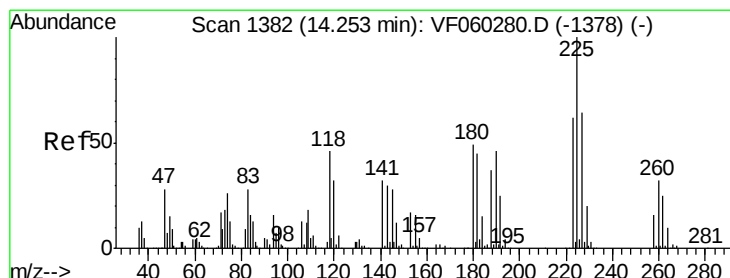
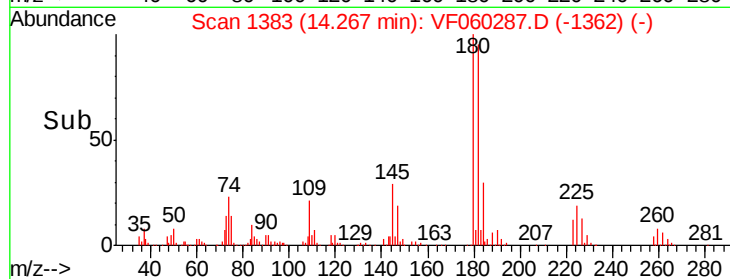
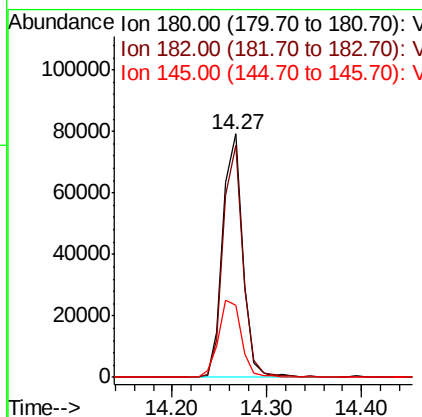
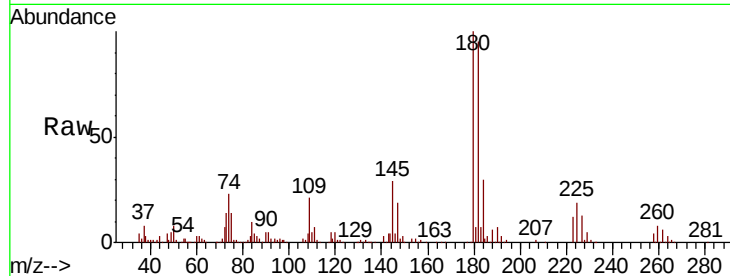




#93
 1,2,4-Trichlorobenzene
 Concen: 21.786 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

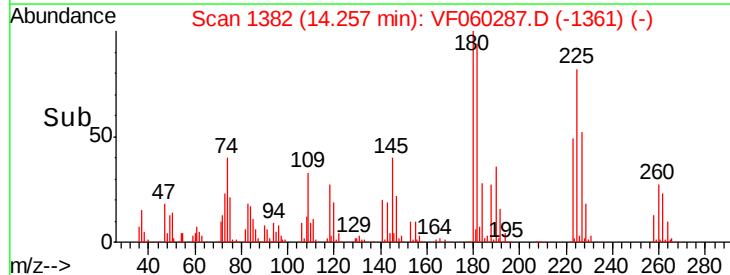
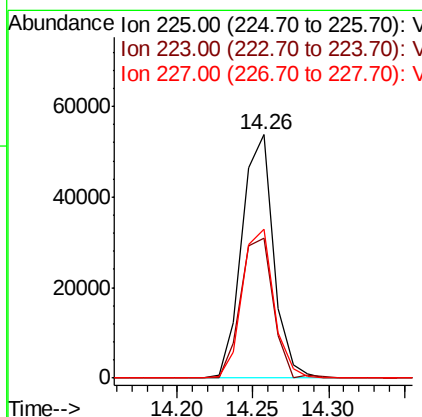
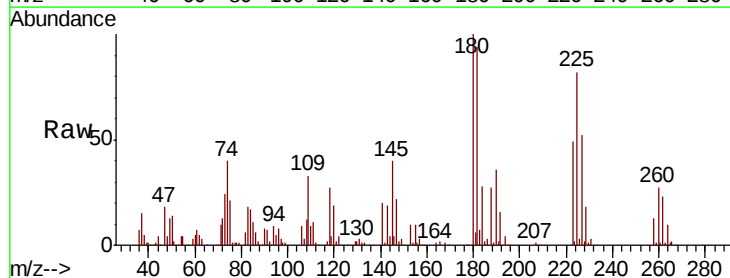
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

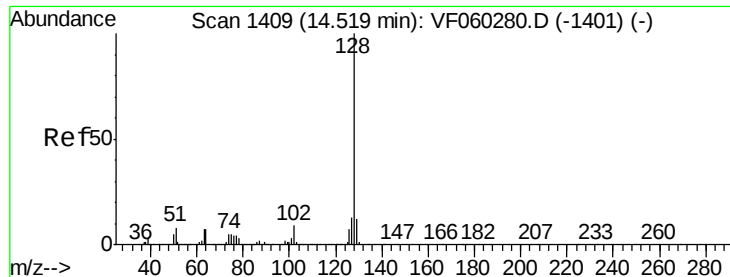
Tgt Ion:180 Resp: 116463
 Ion Ratio Lower Upper
 180 100
 182 95.5 50.3 151.0
 145 29.5 18.9 56.9



#94
 Hexachlorobutadiene
 Concen: 21.657 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060287.D
 Acq: 19 Sep 2018 19:03

Tgt Ion:225 Resp: 78262
 Ion Ratio Lower Upper
 225 100
 223 57.6 31.2 93.6
 227 61.4 32.2 96.6





#95

Naphthalene

Concen: 23.211 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

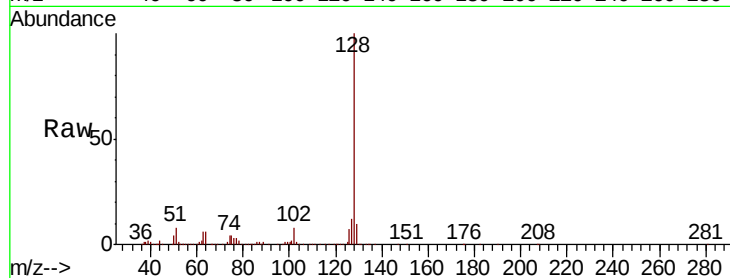
Tgt Ion:128 Resp: 217543

Ion Ratio Lower Upper

128 100

127 12.1 10.1 15.1

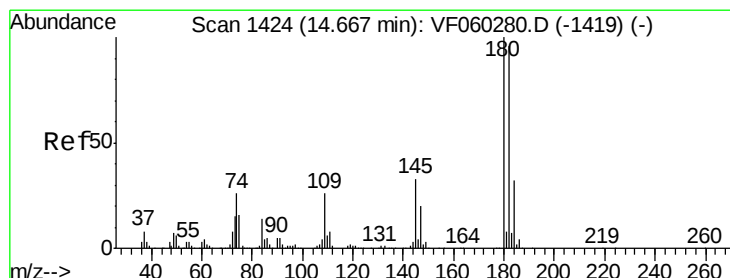
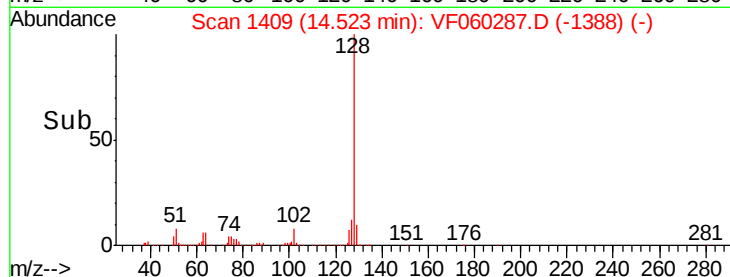
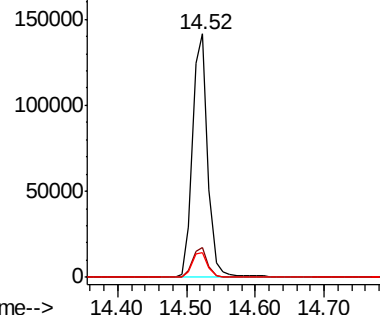
129 10.3 9.8 14.8



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: 20.637 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. -0.01 min

Lab File: VF060287.D

Acq: 19 Sep 2018 19:03

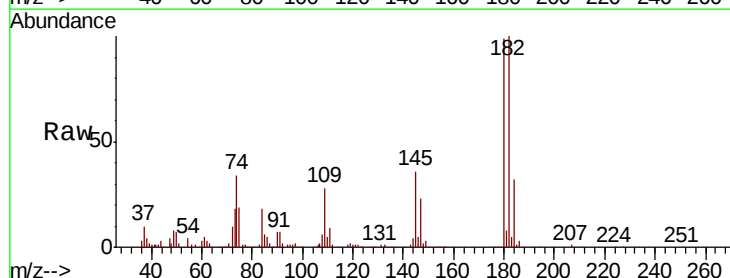
Tgt Ion:180 Resp: 101938

Ion Ratio Lower Upper

180 100

182 100.8 47.8 143.4

145 36.6 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

