

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060313.D
 Acq On : 21 Sep 2018 13:46
 Operator : VA/AP
 Sample : VF0921SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

Quant Time: Sep 21 14:36:37 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	238216	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	414876	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	380986	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	207333	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	178476	55.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.28%	
35) Dibromofluoromethane	4.28	113	184855	49.98	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	99.96%	
50) Toluene-d8	7.70	98	443088	46.01	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	92.02%	
62) 4-Bromofluorobenzene	11.50	95	202331	48.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	105056	26.524	ug/l	94
3) Chloromethane	1.12	50	76648	23.611	ug/l	95
4) Vinyl Chloride	1.17	62	80001	24.181	ug/l	99
5) Bromomethane	1.35	94	54204	25.629	ug/l	91
6) Chloroethane	1.43	64	34060	21.617	ug/l	97
7) Trichlorofluoromethane	1.53	101	148760	24.135	ug/l	98
8) Diethyl Ether	1.69	74	24606	23.995	ug/l	62
9) 1,1,2-Trichlorotrifluoroet	1.89	101	79445	24.237	ug/l #	85
10) Methyl Iodide	1.96	142	83459	15.789	ug/l	98
11) Tert butyl alcohol	2.67	59	29711	159.946	ug/l #	86
12) 1,1-Dichloroethene	1.85	96	63108	23.280	ug/l	90
13) Acrolein	2.08	56	13304	222.360	ug/l	88
14) Allyl chloride	2.18	41	111549	23.580	ug/l	92
15) Acrylonitrile	3.06	53	60075	132.607	ug/l #	85
16) Acetone	2.32	43	133956	148.289	ug/l	93
17) Carbon Disulfide	1.87	76	203882	26.722	ug/l	96
18) Methyl Acetate	2.44	43	33790	22.453	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	170530	25.234	ug/l	95
20) Methylene Chloride	2.27	84	44630	12.755	ug/l	87
21) trans-1,2-Dichloroethene	2.40	96	67562	24.130	ug/l	87
22) Diisopropyl ether	2.91	45	211258	23.669	ug/l	92
23) Vinyl Acetate	3.32	43	408058	116.406	ug/l	99
24) 1,1-Dichloroethane	2.99	63	135314	23.377	ug/l #	96
25) 2-Butanone	4.49	43	143143	117.726	ug/l	95
26) 2,2-Dichloropropane	3.74	77	73980	22.399	ug/l	97
27) cis-1,2-Dichloroethene	3.62	96	80761	21.956	ug/l	93
28) Bromochloromethane	3.86	49	51765	22.970	ug/l	84
29) Tetrahydrofuran	4.24	42	57196	128.454	ug/l	96
30) Chloroform	4.02	83	163540	23.415	ug/l	95
31) Cyclohexane	3.85	56	108695	22.231	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	126581	22.969	ug/l	98
36) 1,1-Dichloropropene	4.44	75	110957	21.441	ug/l	93
37) Ethyl Acetate	4.27	43	49114	22.430	ug/l	98
38) Carbon Tetrachloride	4.15	117	149307	26.861	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060313.D
 Acq On : 21 Sep 2018 13:46
 Operator : VA/AP
 Sample : VF0921SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

Quant Time: Sep 21 14:36:37 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)
39) Methylcyclohexane	5.61	83	122127	21.775	ug/l	97
40) Benzene	4.79	78	253122	21.571	ug/l	98
41) Methacrylonitrile	4.90	41	26900	22.640	ug/l	96
42) 1,2-Dichloroethane	5.10	62	102052	23.628	ug/l	99
43) Isopropyl Acetate	7.10	43	55432	21.028	ug/l #	99
44) Trichloroethene	5.66	130	75209	21.536	ug/l	95
45) 1,2-Dichloropropane	6.39	63	63825	21.017	ug/l	96
46) Dibromomethane	6.24	93	49635	22.865	ug/l	95
47) Bromodichloromethane	6.53	83	114895	22.025	ug/l	93
48) Methyl methacrylate	6.86	41	39661	21.433	ug/l	92
49) 1,4-Dioxane	6.85	88	7741	468.248	ug/l	94
51) 4-Methyl-2-Pentanone	8.39	43	217499	107.051	ug/l	96
52) Toluene	7.77	92	156676	21.106	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	97358	23.137	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	106530	20.096	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	47423	21.048	ug/l	96
56) Ethyl methacrylate	8.74	69	55662	20.456	ug/l	99
57) 1,3-Dichloropropane	8.99	76	82834	22.204	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	25870	107.544	ug/l	100
59) 2-Hexanone	9.62	43	159596	110.324	ug/l	98
60) Dibromochloromethane	8.85	129	76397	22.750	ug/l	94
61) 1,2-Dibromoethane	9.12	107	56279	22.431	ug/l	90
64) Tetrachloroethene	8.29	164	68117	19.723	ug/l	96
65) Chlorobenzene	9.92	112	182550	21.141	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	77701	21.683	ug/l	97
67) Ethyl Benzene	10.02	91	337855	21.162	ug/l	97
68) m/p-Xylenes	10.25	106	233310	42.298	ug/l	100
69) o-Xylene	10.81	106	124088	20.057	ug/l	93
70) Styrene	10.89	104	179915	20.621	ug/l	97
71) Bromoform	10.88	173	42831	21.763	ug/l	90
73) Isopropylbenzene	11.22	105	394021	21.169	ug/l	100
74) N-amyl acetate	11.45	43	79361	19.995	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	73411	22.255	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	50224	21.265	ug/l	92
77) Bromobenzene	11.58	156	80564	20.084	ug/l	96
78) n-propylbenzene	11.68	91	460418	20.111	ug/l	98
79) 2-Chlorotoluene	11.80	91	260612	20.757	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	317326	21.180	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	34581	27.705	ug/l	97
82) 4-Chlorotoluene	11.97	91	261182	20.697	ug/l	94
83) tert-Butylbenzene	12.20	119	325823	21.452	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	314152	20.649	ug/l	99
85) sec-Butylbenzene	12.38	105	434197	19.444	ug/l	96
86) p-Isopropyltoluene	12.53	119	362731	21.088	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	148997	19.878	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	150887	20.366	ug/l	98
89) n-Butylbenzene	12.91	91	375591	20.142	ug/l	97
90) Hexachloroethane	12.99	117	89700	21.106	ug/l	86
91) 1,2-Dichlorobenzene	13.01	146	152753	21.363	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	12916	20.855	ug/l	80

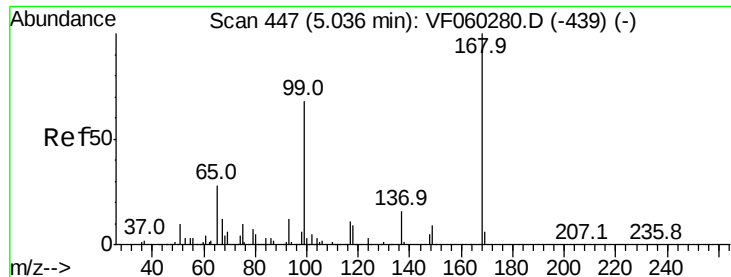
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092118\
Data File : VF060313.D
Acq On : 21 Sep 2018 13:46
Operator : VA/AP
Sample : VF0921SBS01
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Quant Time: Sep 21 14:36:37 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.26	180	114170	21.968	ug/l	97
94) Hexachlorobutadiene	14.25	225	72449	20.621	ug/l	98
95) Naphthalene	14.52	128	180835	19.846	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.67	180	101868	21.212	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

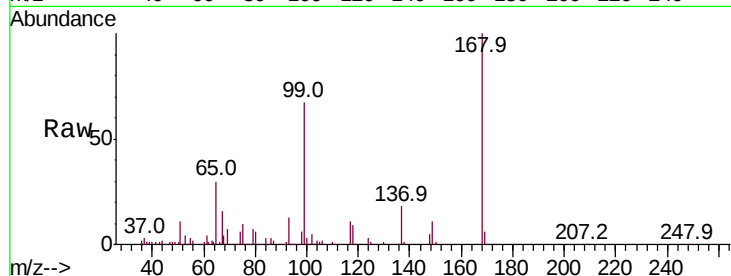
VF0921SBS01

Tot Ion:168 Resp: 238216

Ion Ratio Lower Upper

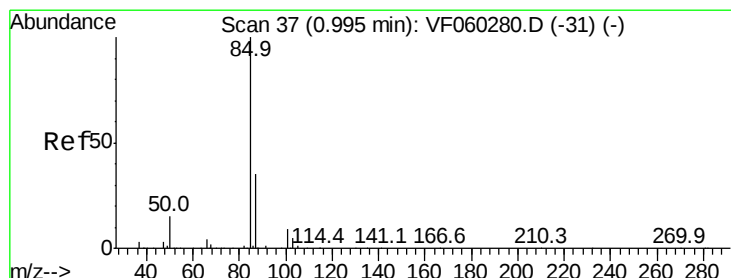
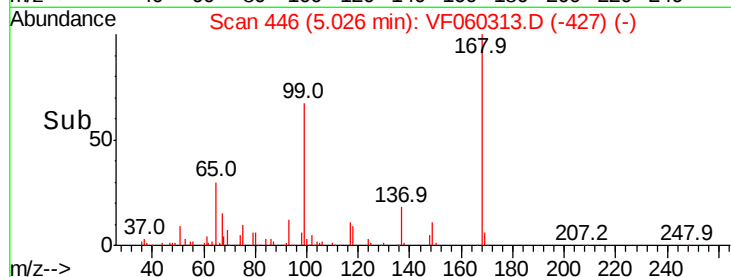
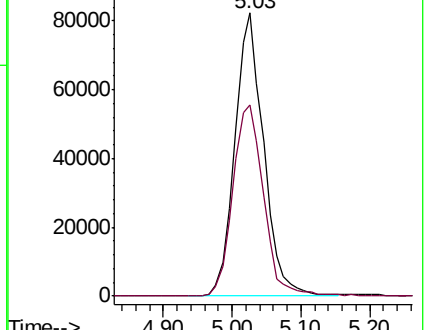
168 100

99 67.4 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 26.524 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060313.D

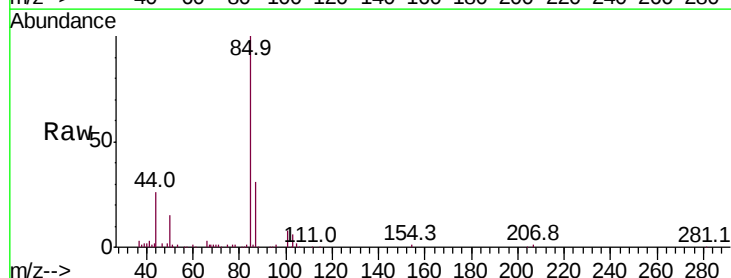
Acq: 21 Sep 2018 13:46

Tgt Ion: 85 Resp: 105056

Ion Ratio Lower Upper

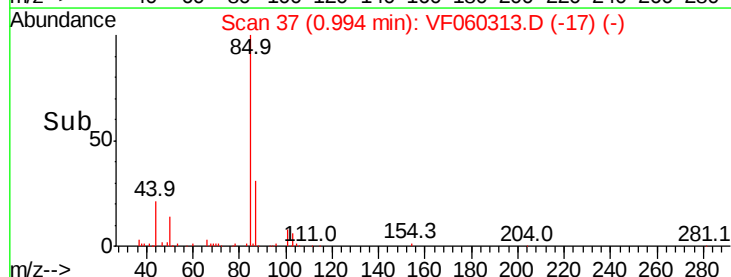
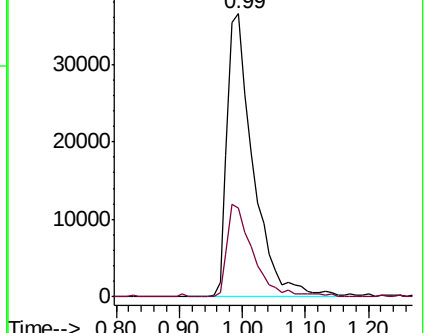
85 100

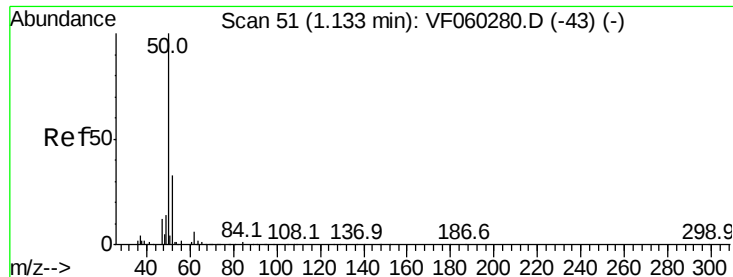
87 31.5 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 23.611 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

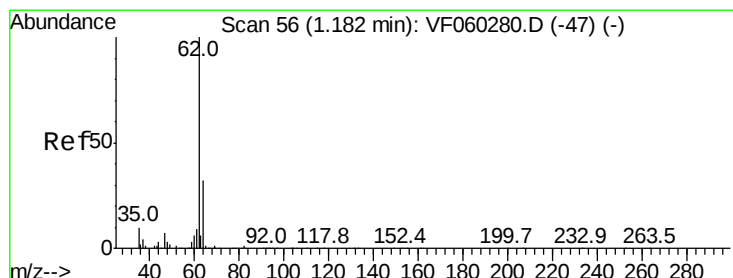
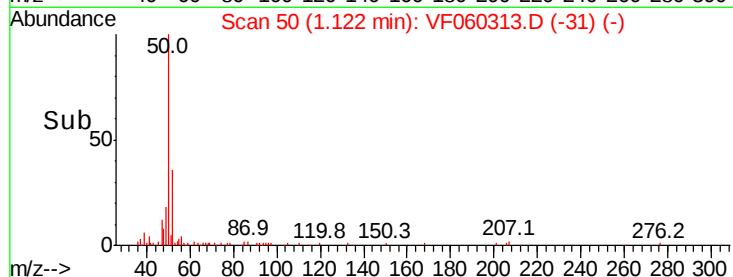
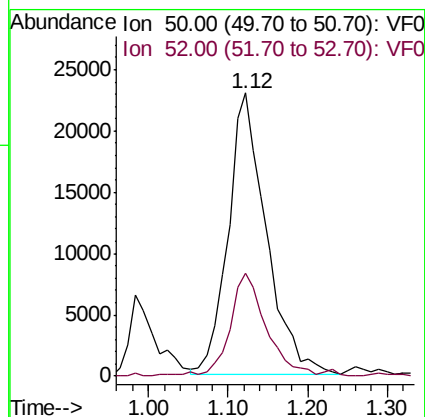
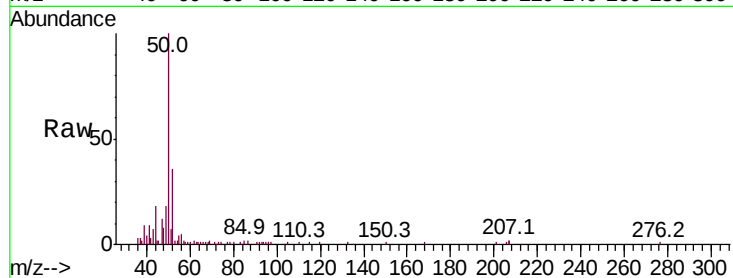
VF0921SBS01

Tot Ion: 50 Resp: 76648

Ion Ratio Lower Upper

50 100

52 36.2 26.5 39.7



#4

Vinyl Chloride

Concen: 24.181 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060313.D

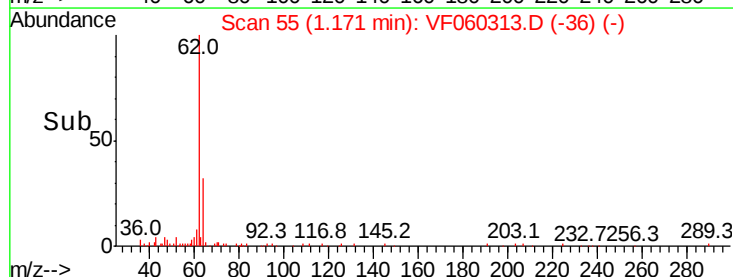
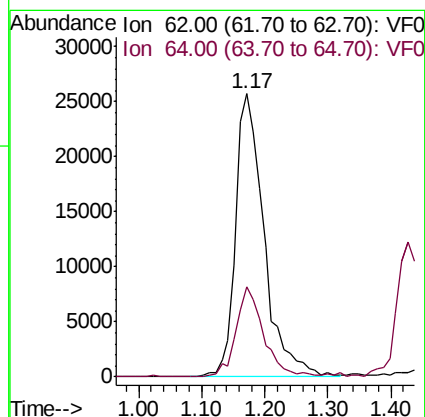
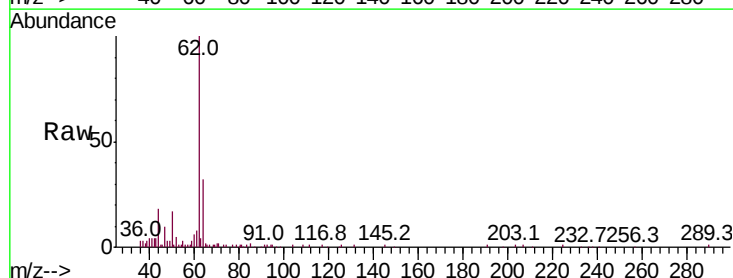
Acq: 21 Sep 2018 13:46

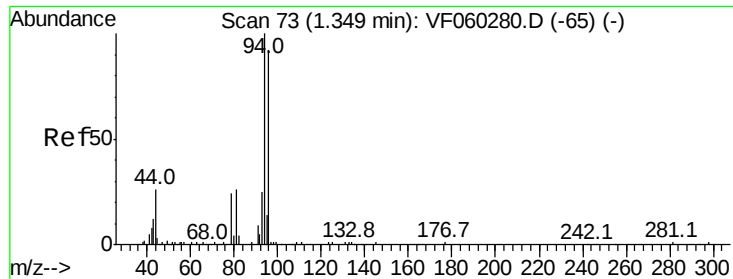
Tgt Ion: 62 Resp: 80001

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8





#5

Bromomethane

Concen: 25.629 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

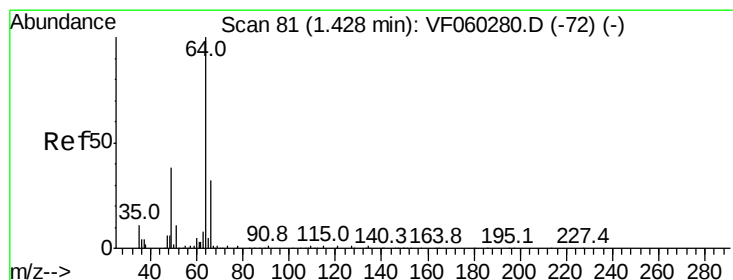
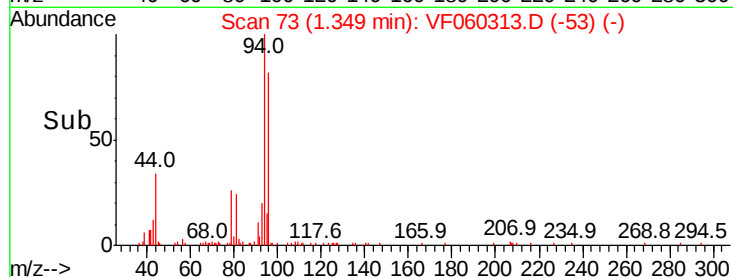
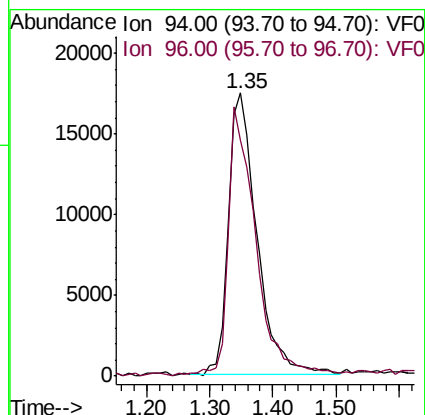
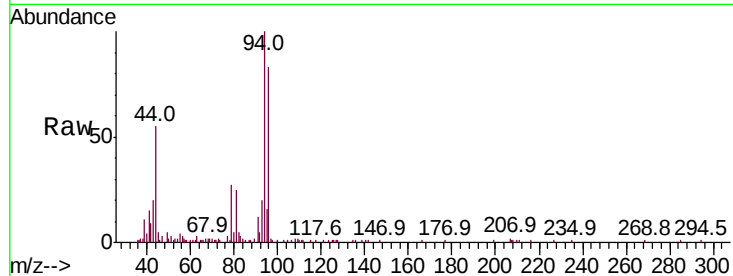
VF0921SBS01

Tot Ion: 94 Resp: 54204

Ion Ratio Lower Upper

94 100

96 83.4 73.9 110.9



#6

Chloroethane

Concen: 21.617 ug/l

RT: 1.43 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF060313.D

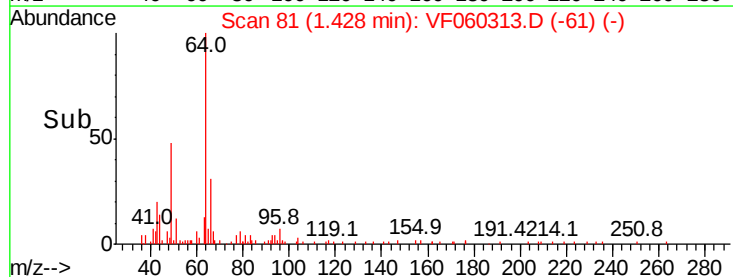
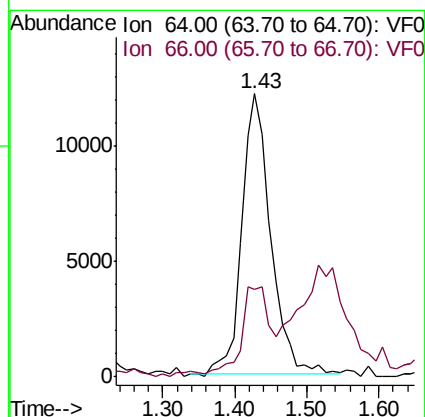
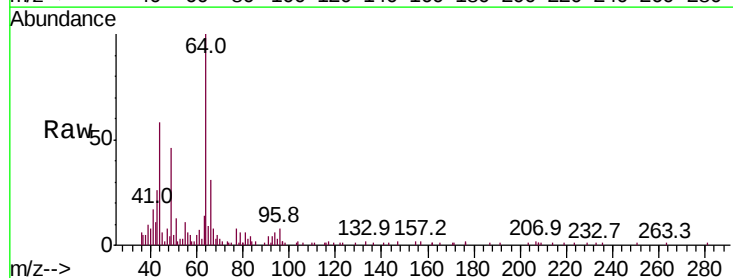
Acq: 21 Sep 2018 13:46

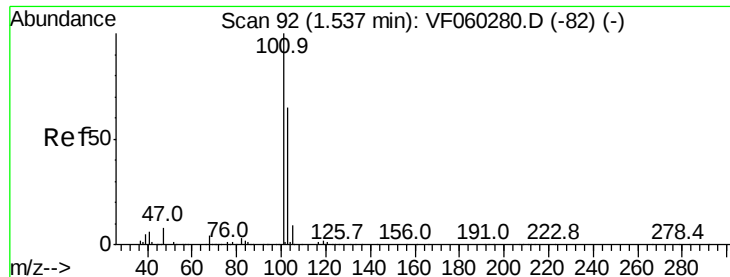
Tgt Ion: 64 Resp: 34060

Ion Ratio Lower Upper

64 100

66 31.0 26.2 39.2





#7

Trichlorofluoromethane

Concen: 24.135 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

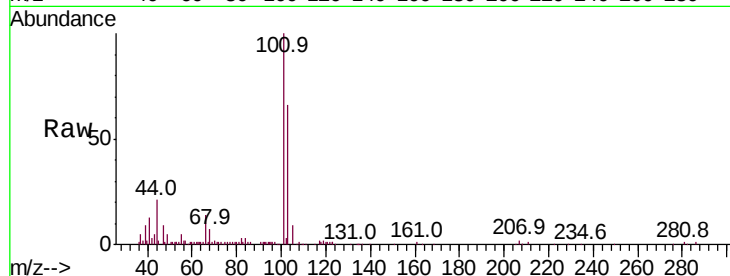
VF0921SBS01

Tot Ion:101 Resp: 148760

Ion Ratio Lower Upper

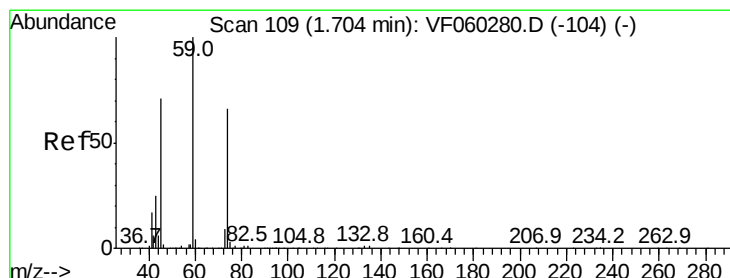
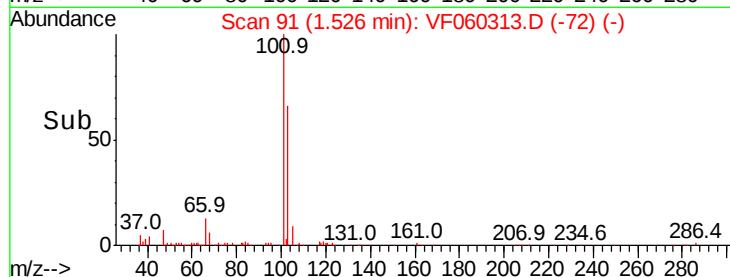
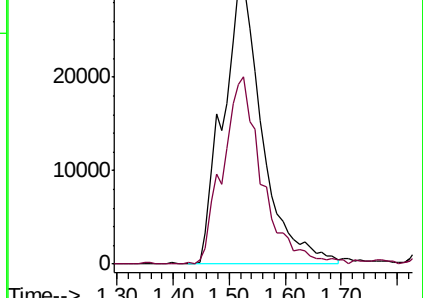
101 100

103 66.3 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: 23.995 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060313.D

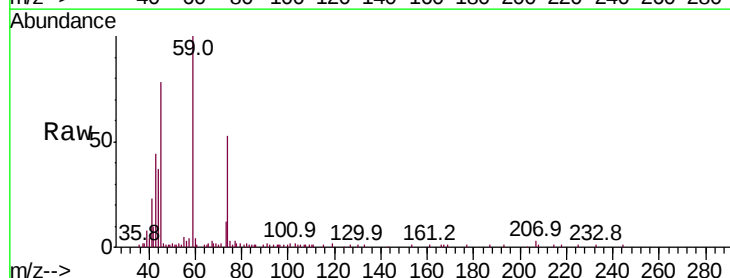
Acq: 21 Sep 2018 13:46

Tgt Ion: 74 Resp: 24606

Ion Ratio Lower Upper

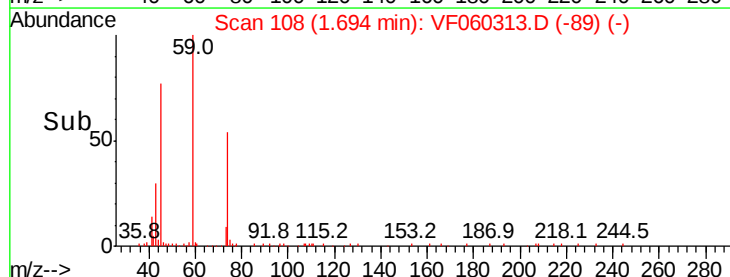
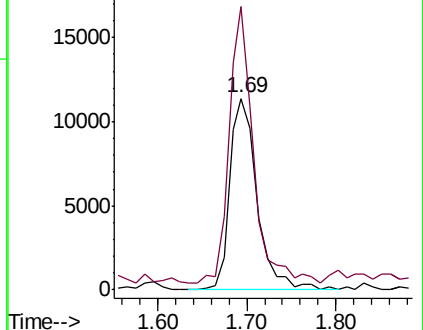
74 100

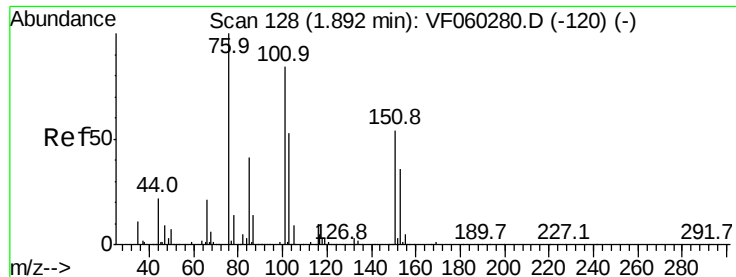
45 147.7 53.9 161.7



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: 24.237 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

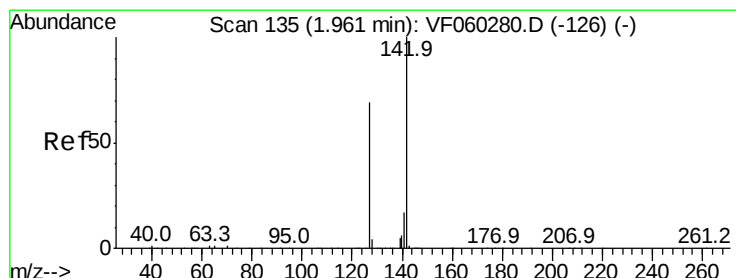
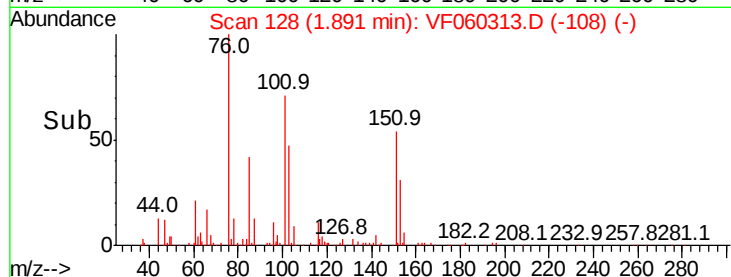
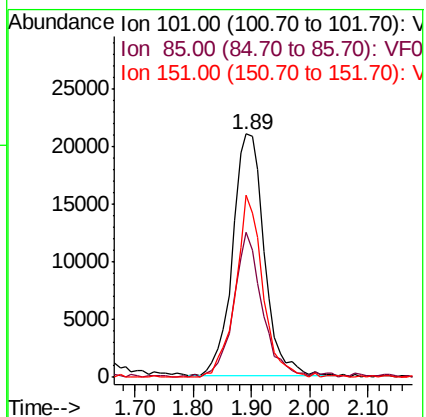
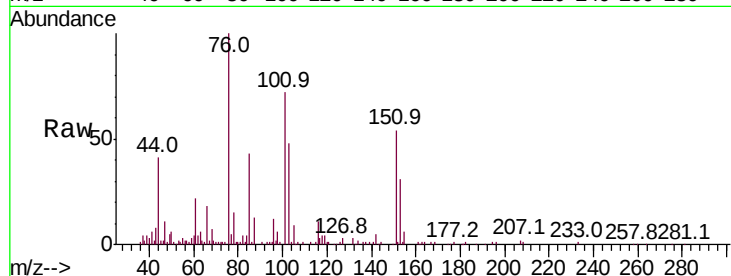
Tot Ion:101 Resp: 79445

Ion Ratio Lower Upper

101 100

85 59.6 38.7 58.1#

151 74.8 50.8 76.2



#10

Methyl Iodide

Concen: 15.789 ug/l

RT: 1.96 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

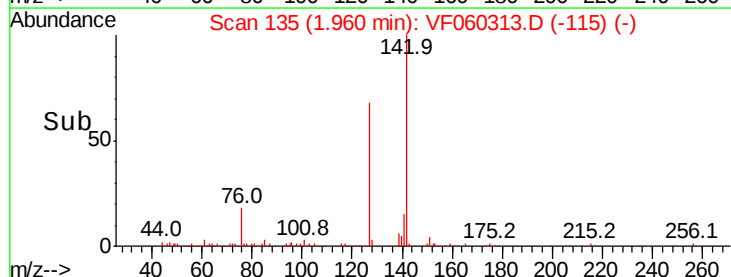
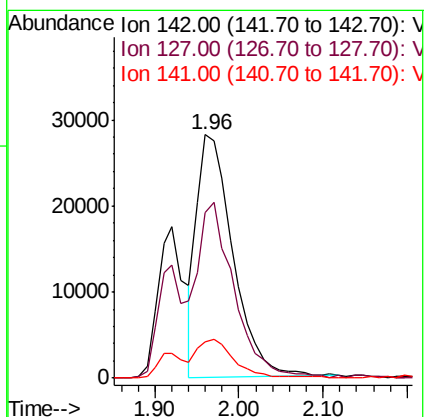
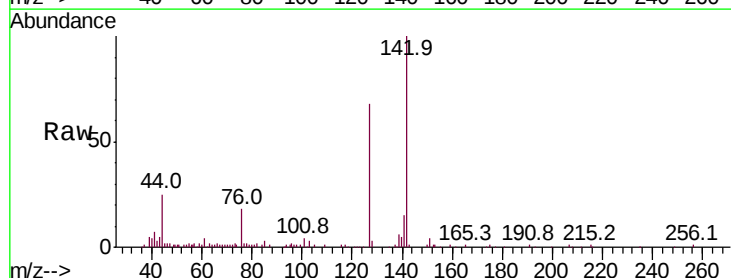
Tgt Ion:142 Resp: 83459

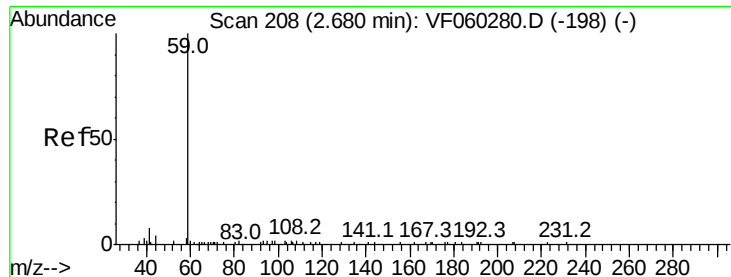
Ion Ratio Lower Upper

142 100

127 68.2 55.4 83.0

141 14.7 13.3 19.9



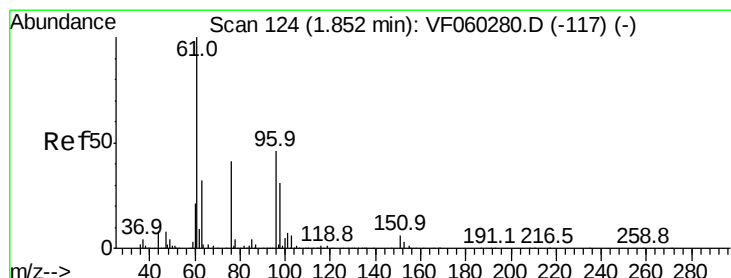
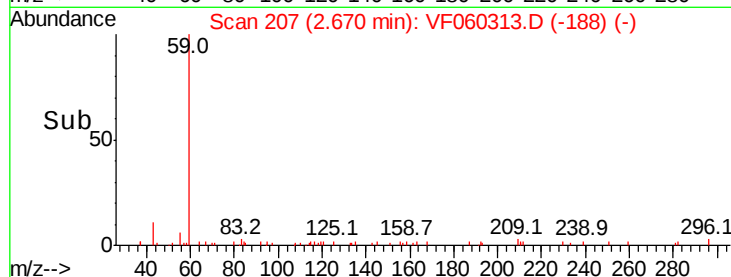
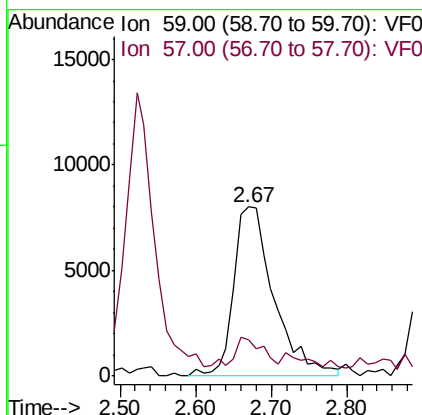
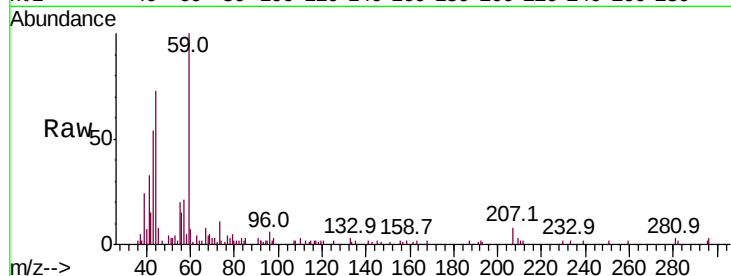


#11

Tert butyl alcohol
 Concen: 159.946 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

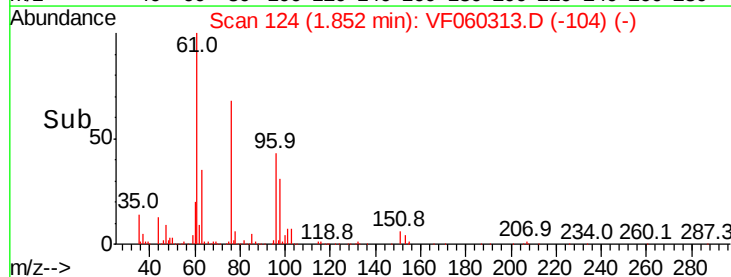
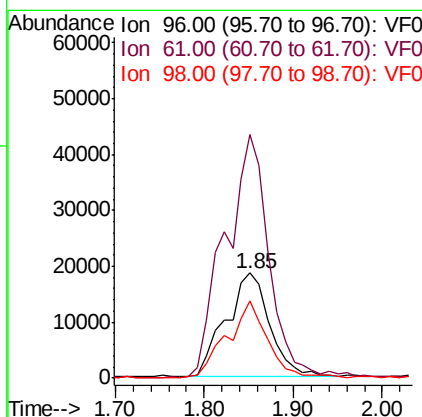
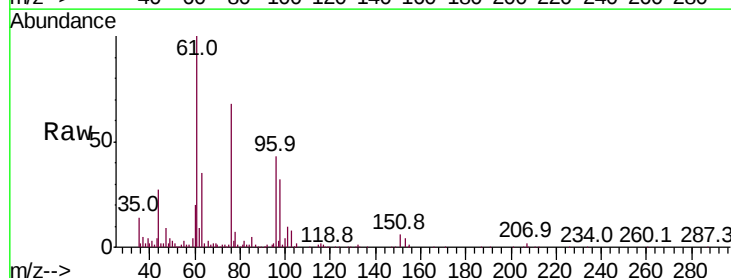
Tot Ion: 59 Resp: 29711
 Ion Ratio Lower Upper
 59 100
 57 21.3 12.4 18.6#

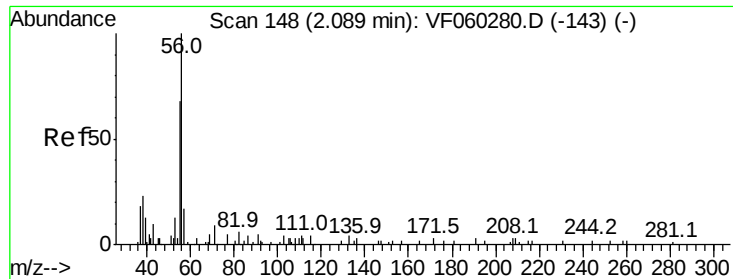


#12

1,1-Dichloroethene
 Concen: 23.280 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. -0.00 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Tgt Ion: 96 Resp: 63108
 Ion Ratio Lower Upper
 96 100
 61 231.6 172.2 258.2
 98 73.3 54.1 81.1





#13

Acrolein

Concen: 222.360 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

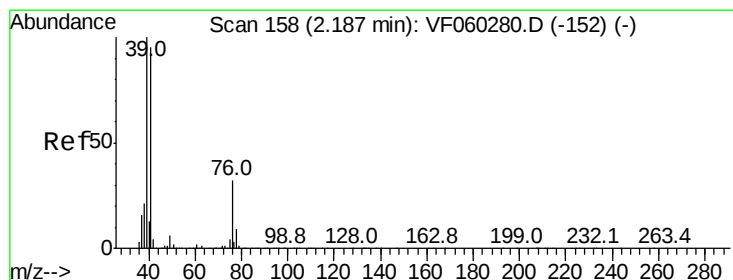
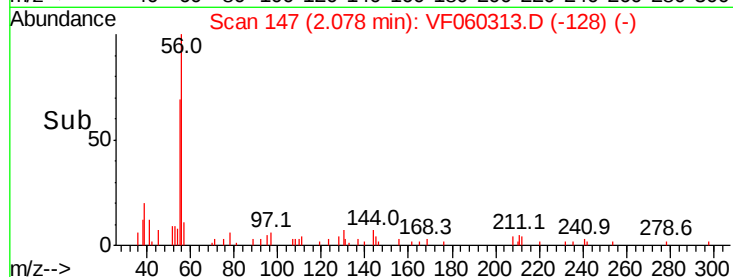
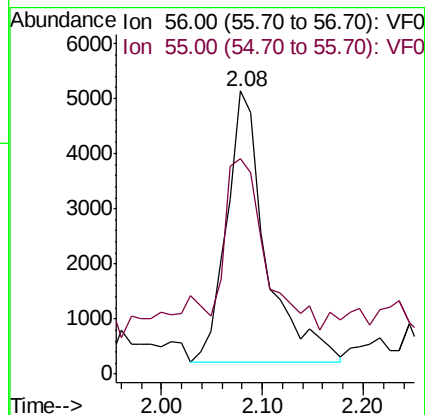
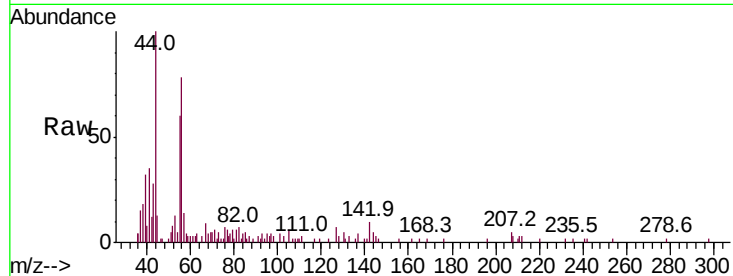
VF0921SBS01

Tot Ion: 56 Resp: 13304

Ion Ratio Lower Upper

56 100

55 76.3 69.9 104.9



#14

Allyl chloride

Concen: 23.580 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

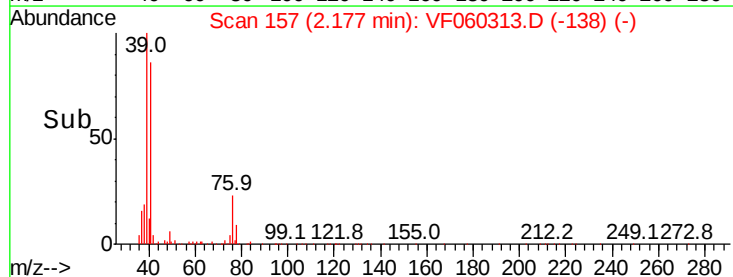
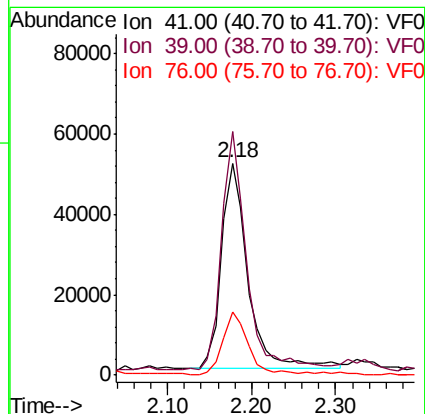
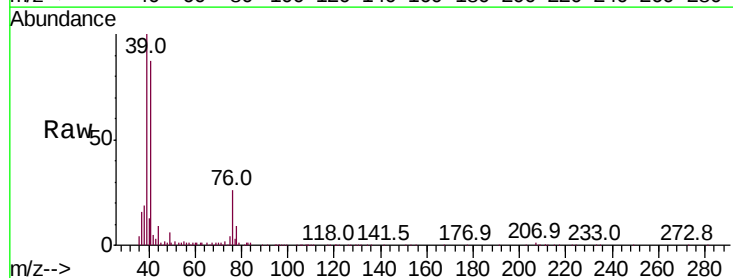
Tgt Ion: 41 Resp: 111549

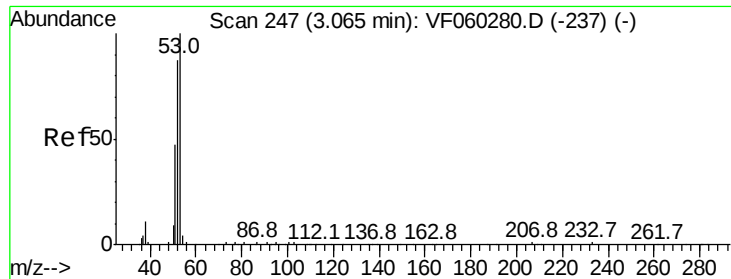
Ion Ratio Lower Upper

41 100

39 114.8 84.8 127.2

76 29.9 27.4 41.2





#15

Acrylonitrile

Concen: 132.607 ug/l

RT: 3.06 min Scan# 247

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

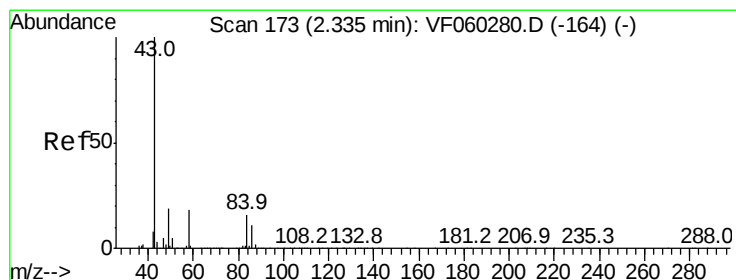
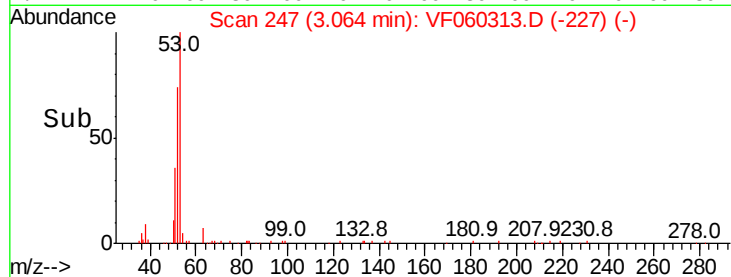
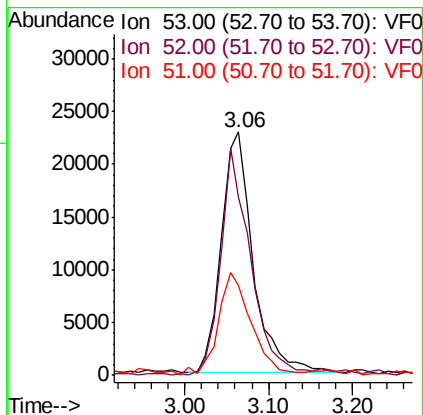
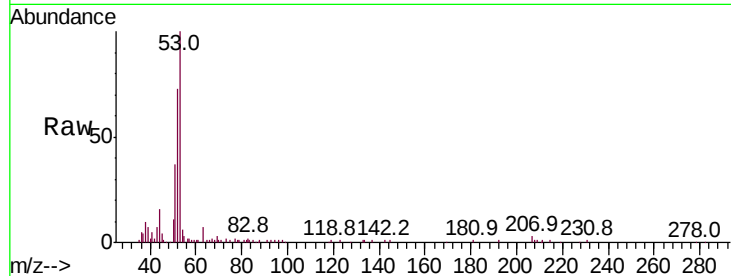
Tot Ion: 53 Resp: 60075

Ion Ratio Lower Upper

53 100

52 73.4 69.5 104.3

51 37.2 38.1 57.1#



#16

Acetone

Concen: 148.289 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060313.D

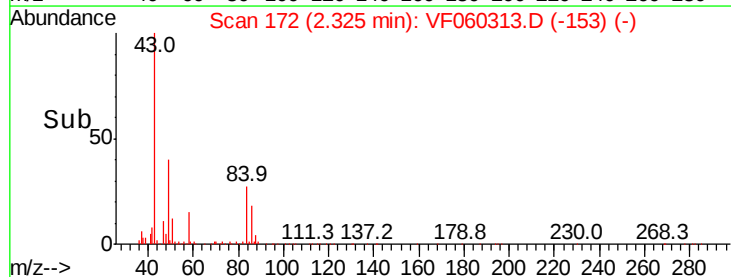
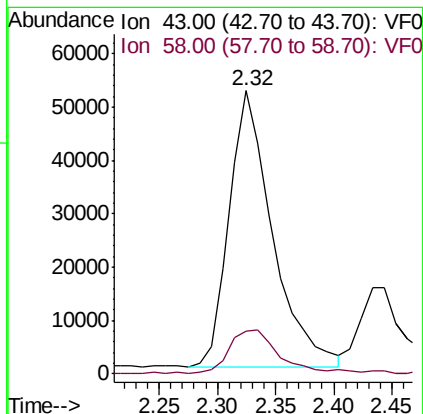
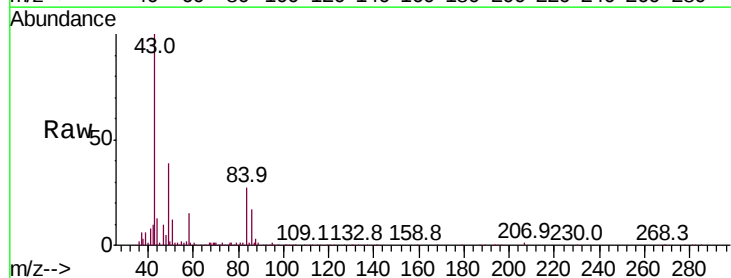
Acq: 21 Sep 2018 13:46

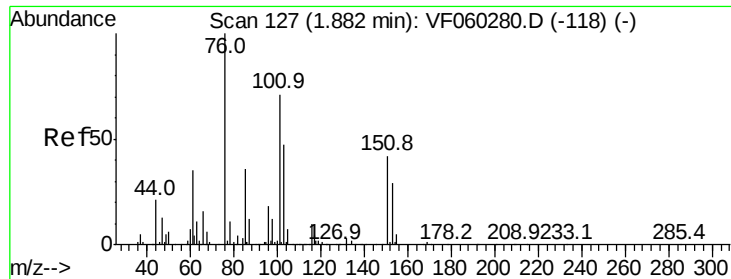
Tgt Ion: 43 Resp: 133956

Ion Ratio Lower Upper

43 100

58 15.0 14.5 21.7

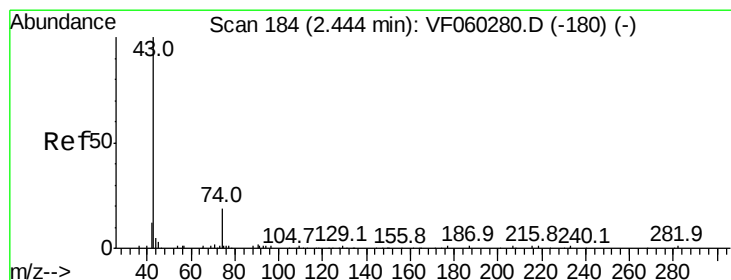
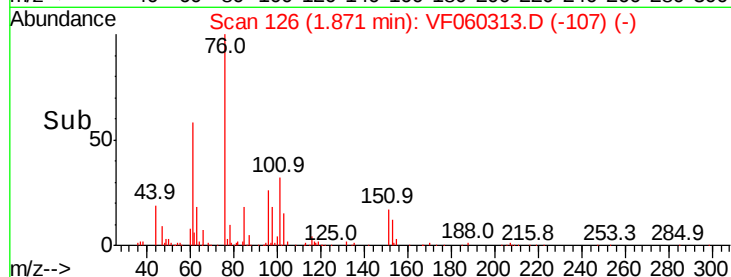
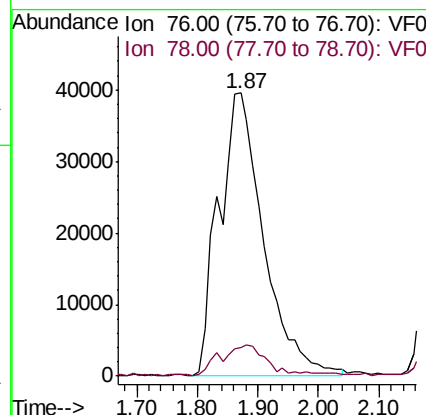
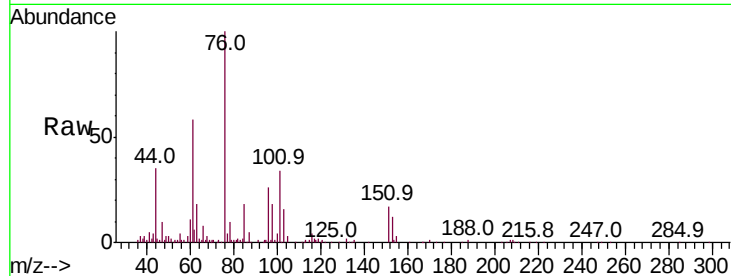




#17
Carbon Disulfide
Concen: 26.722 ug/l
RT: 1.87 min Scan# 126
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

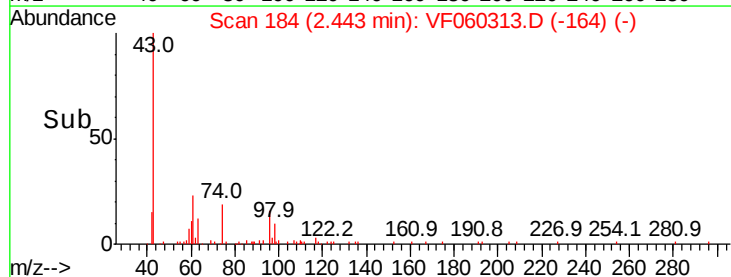
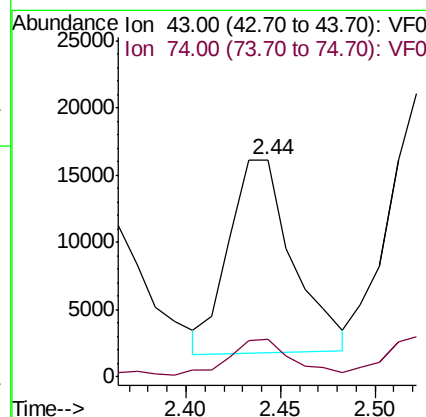
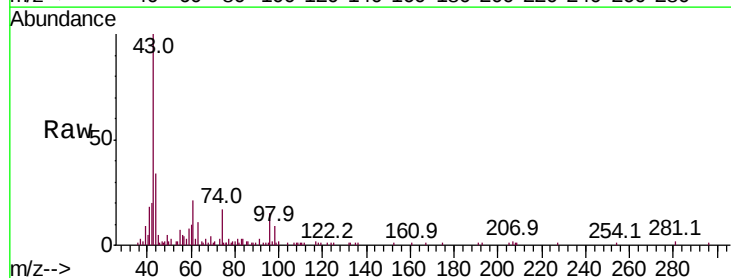
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

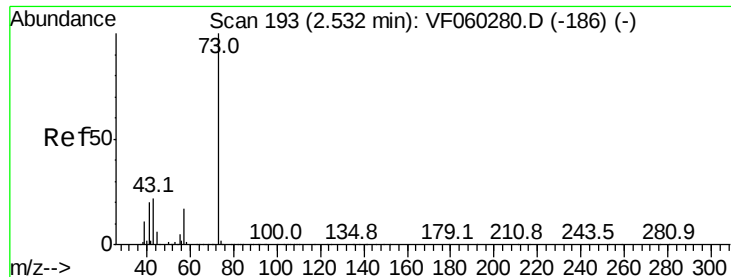
Tot Ion: 76 Resp: 203882
Ion Ratio Lower Upper
76 100
78 10.2 9.4 14.0



#18
Methyl Acetate
Concen: 22.453 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion: 43 Resp: 33790
Ion Ratio Lower Upper
43 100
74 17.4 12.7 19.1

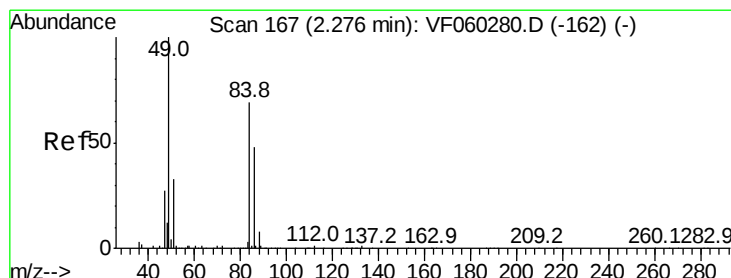
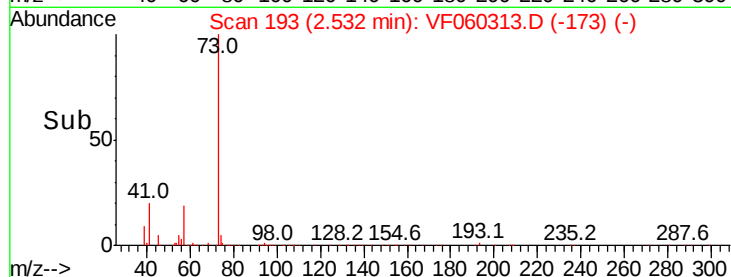
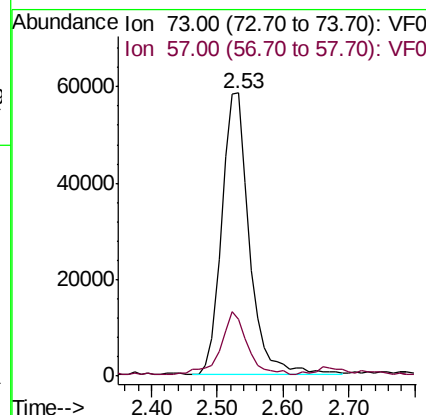
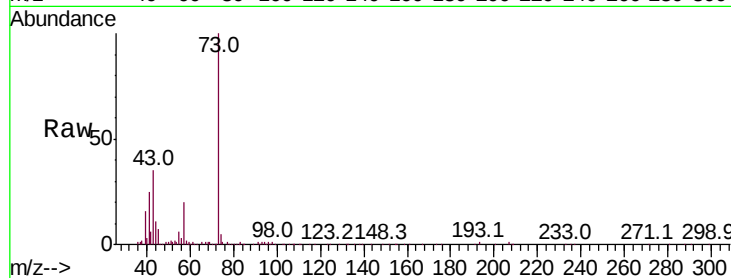




#19
Methvl tert-butvl Ether
Concen: 25.234 ug/l
RT: 2.53 min Scan# 193
Delta R.T. -0.00 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

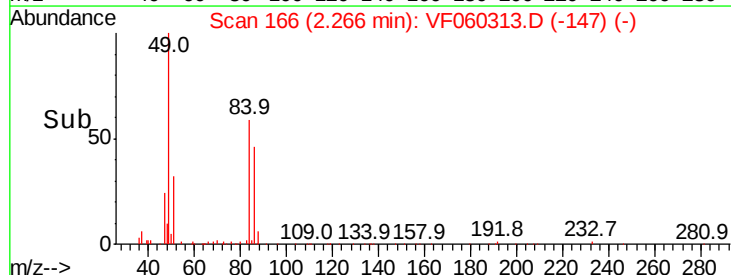
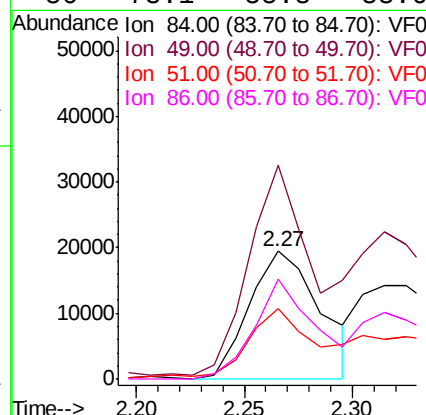
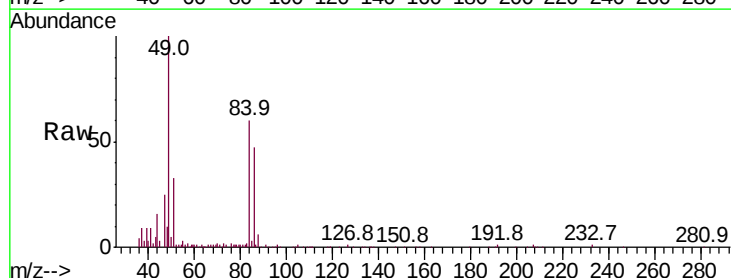
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

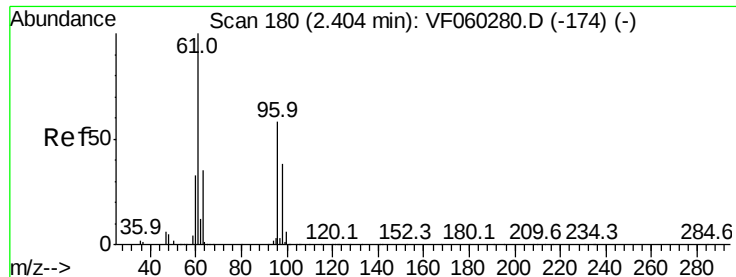
Tot Ion: 73 Resp: 170530
Ion Ratio Lower Upper
73 100
57 20.2 14.5 21.7



#20
Methylene Chloride
Concen: 12.755 ug/l
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion: 84 Resp: 44630
Ion Ratio Lower Upper
84 100
49 167.1 118.3 177.5
51 54.7 38.7 58.1
86 78.1 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 24.130 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

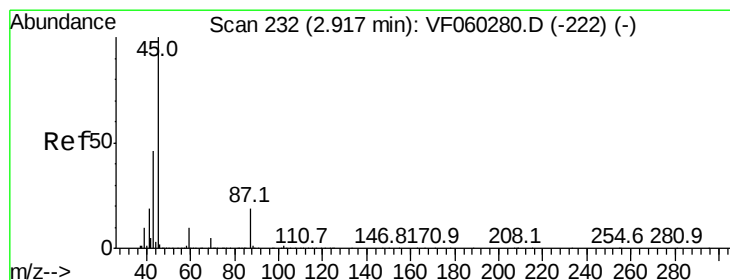
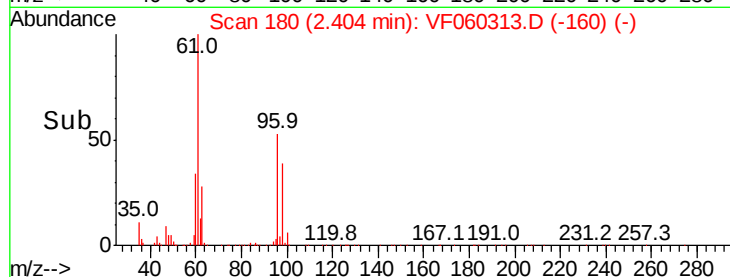
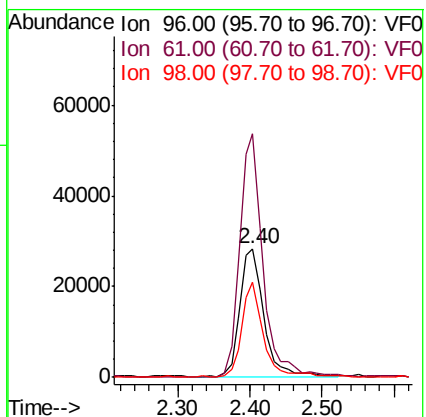
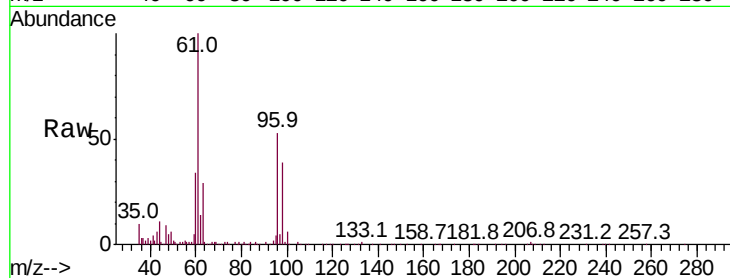
Tot Ion: 96 Resp: 67562

Ion Ratio Lower Upper

96 100

61 189.6 136.4 204.6

98 74.1 51.8 77.6



#22

Diisopropyl ether

Concen: 23.669 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion: 45 Resp: 211258

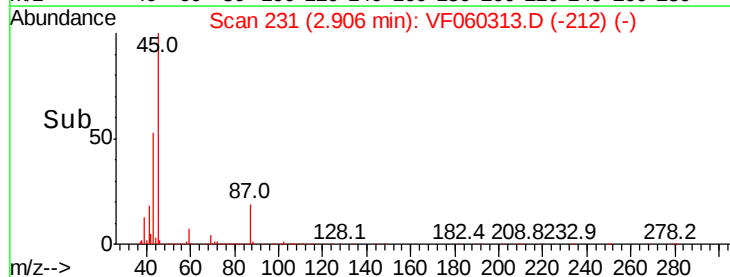
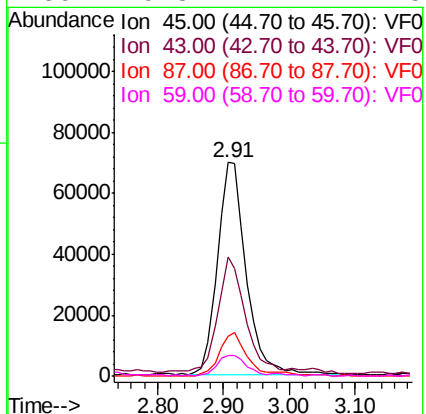
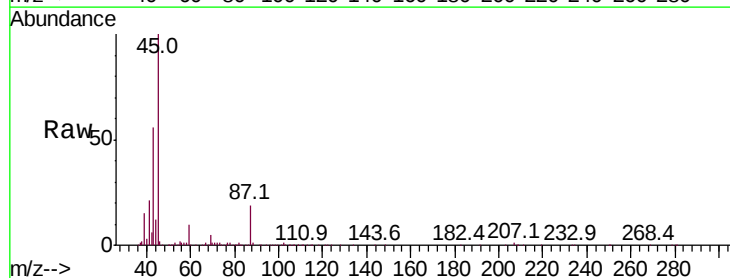
Ion Ratio Lower Upper

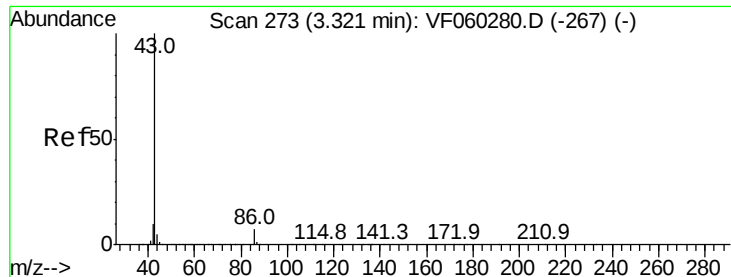
45 100

43 56.0 38.2 57.2

87 18.6 15.5 23.3

59 9.8 7.7 11.5





#23

Vinyl Acetate

Concen: 116.406 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

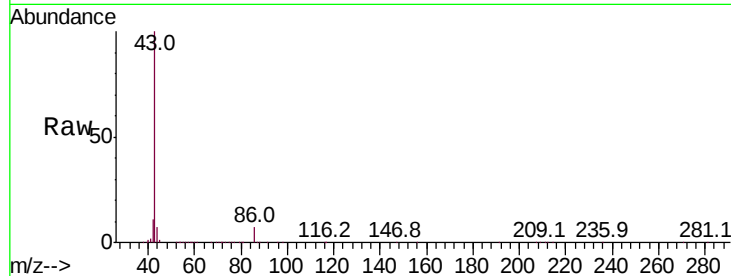
VF0921SBS01

Tot Ion: 43 Resp: 408058

Ion Ratio Lower Upper

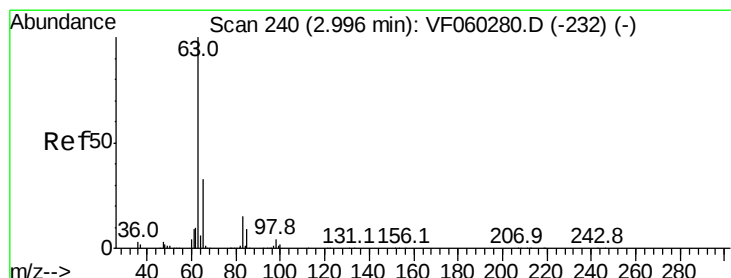
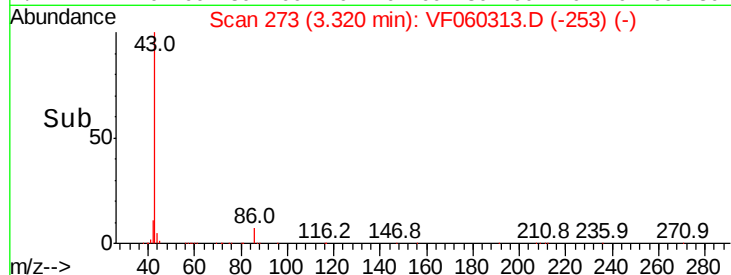
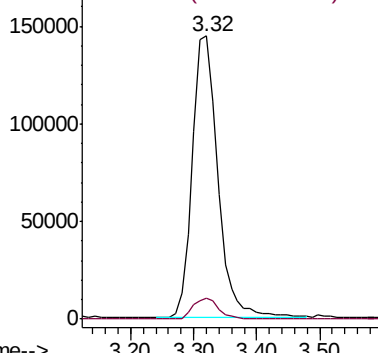
43 100

86 7.2 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 23.377 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

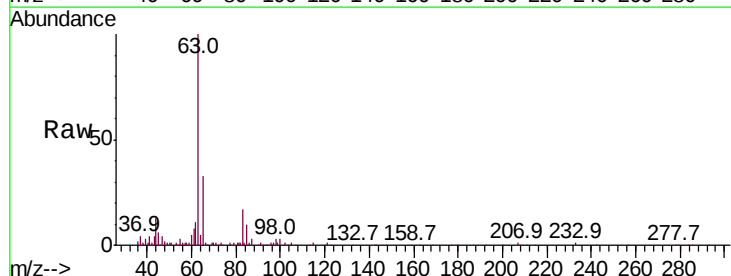
Tgt Ion: 63 Resp: 135314

Ion Ratio Lower Upper

63 100

98 3.1 2.1 6.5

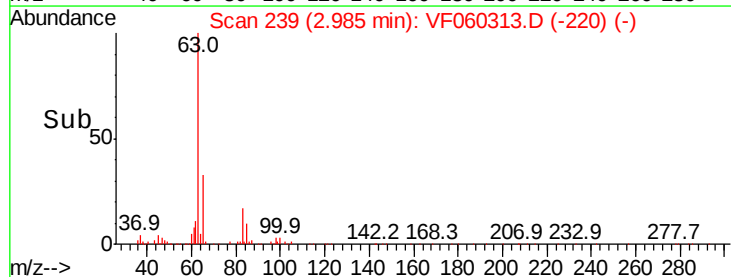
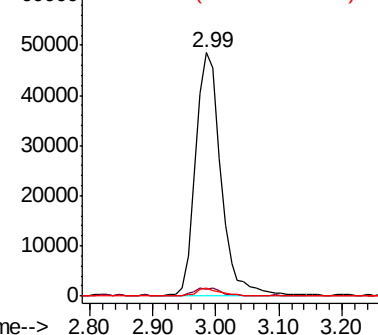
100 3.4 1.1 3.3#

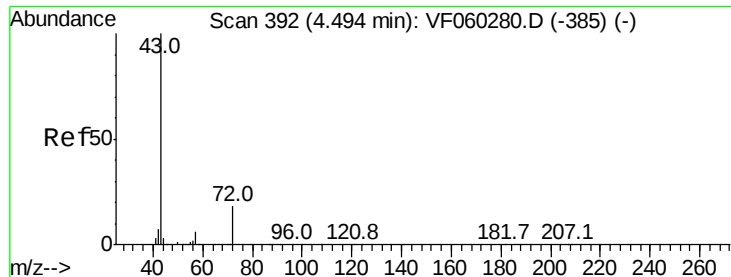


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 117.726 ug/l

RT: 4.49 min Scan# 392

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

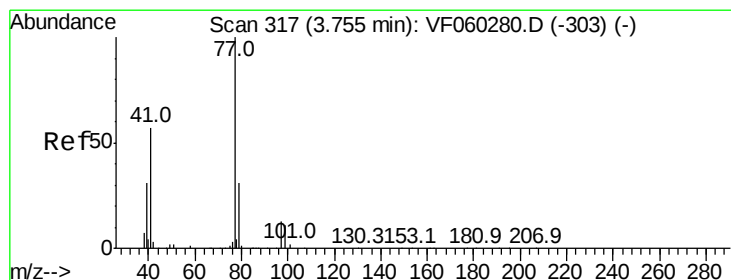
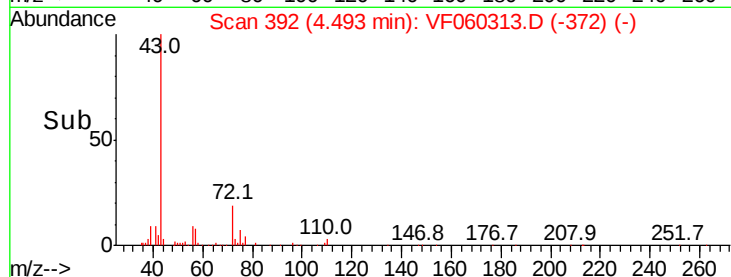
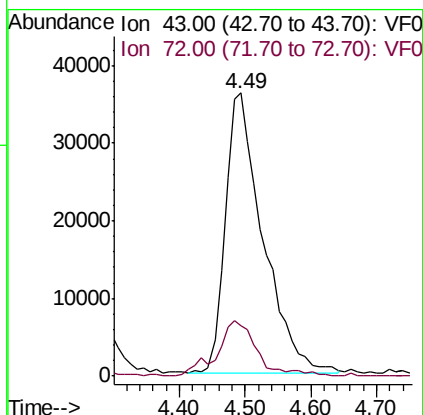
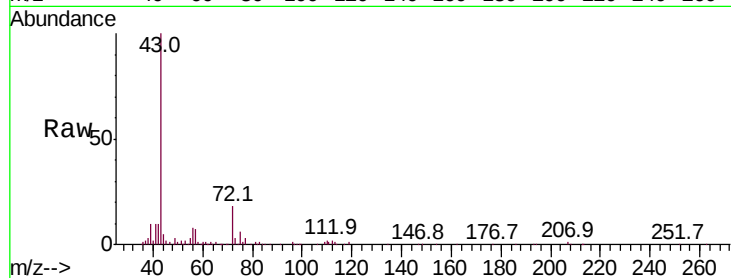
VF0921SBS01

Tot Ion: 43 Resp: 143143

Ion Ratio Lower Upper

43 100

72 17.9 16.2 24.2



#26

2,2-Dichloropropane

Concen: 22.399 ug/l

RT: 3.74 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060313.D

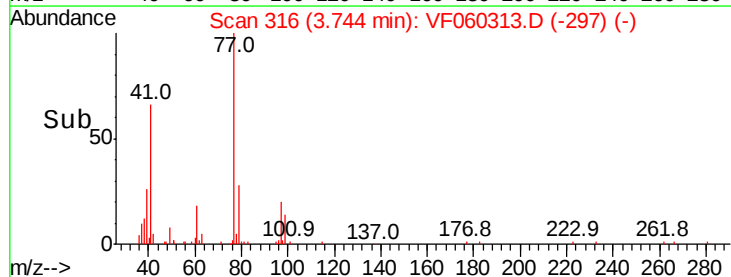
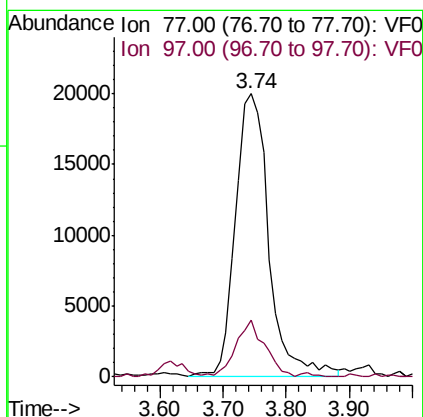
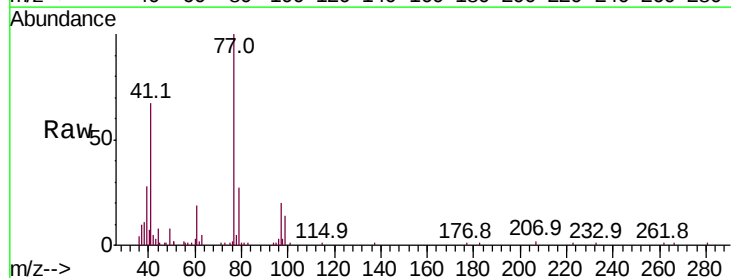
Acq: 21 Sep 2018 13:46

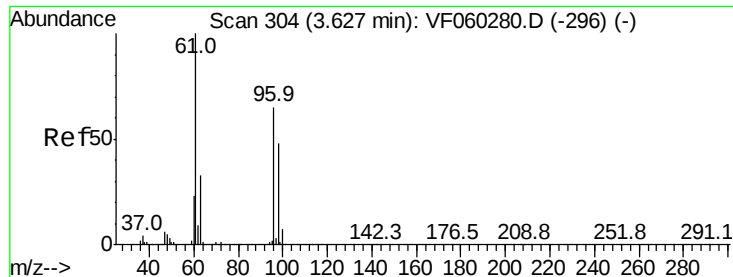
Tgt Ion: 77 Resp: 73980

Ion Ratio Lower Upper

77 100

97 19.9 9.3 27.9



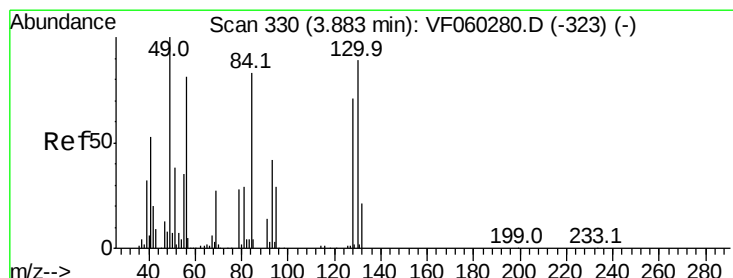
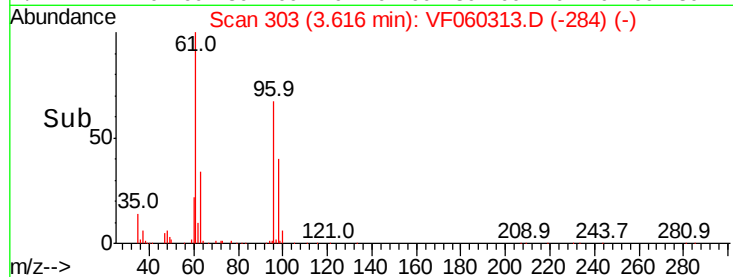
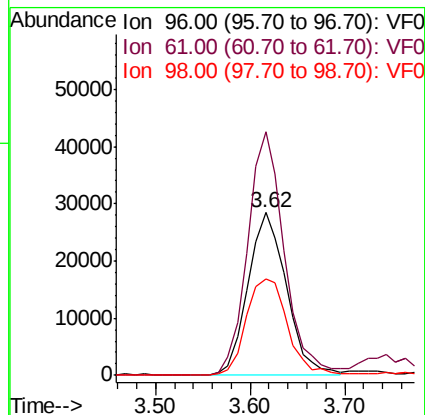
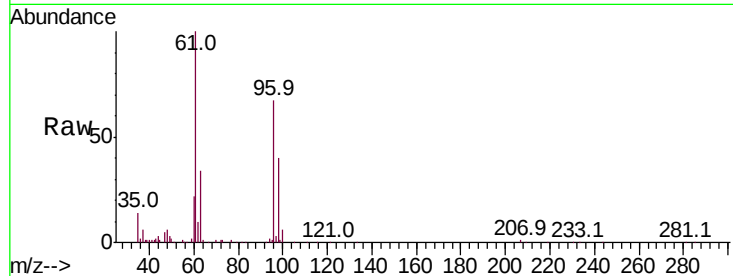


#27

cis-1,2-Dichloroethene
Concen: 21.956 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

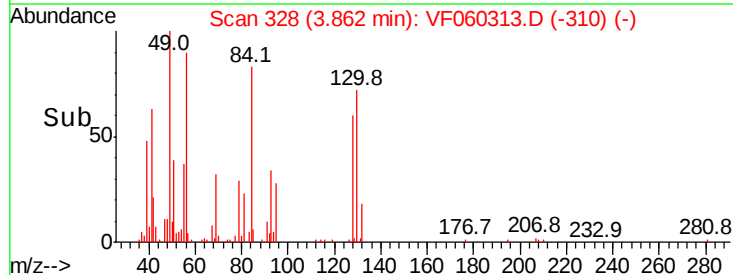
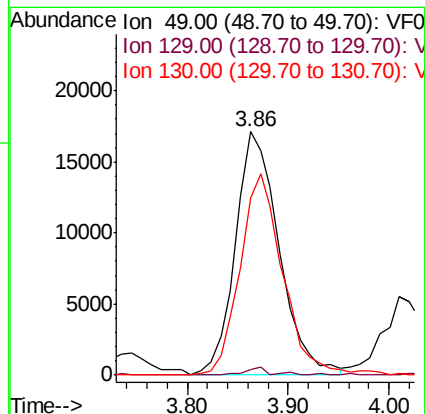
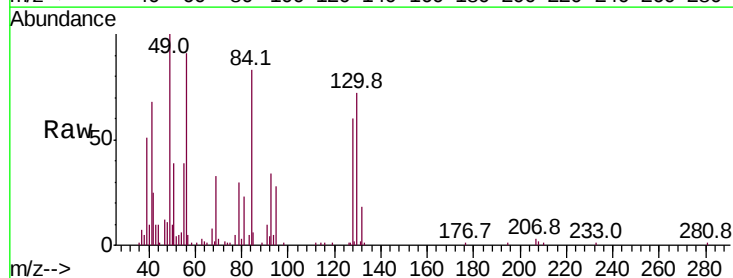
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	304.8
98	59.2	0.0	146.4

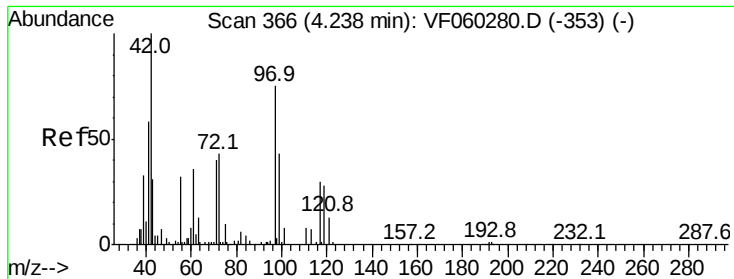


#28

Bromochloromethane
Concen: 22.970 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.02 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	72.5	70.3	105.5





#29

Tetrahydrofuran

Concen: 128.454 ug/l

RT: 4.24 min Scan# 366

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

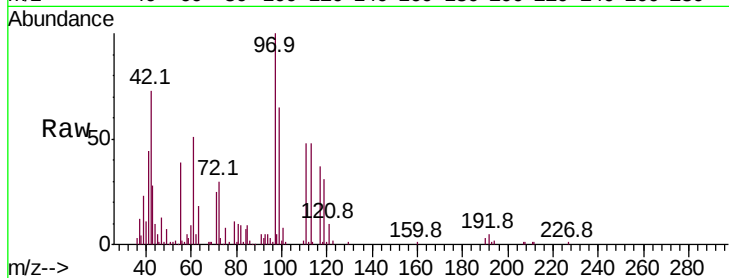
Tot Ion: 42 Resp: 57196

Ion Ratio Lower Upper

42 100

72 39.8 32.6 49.0

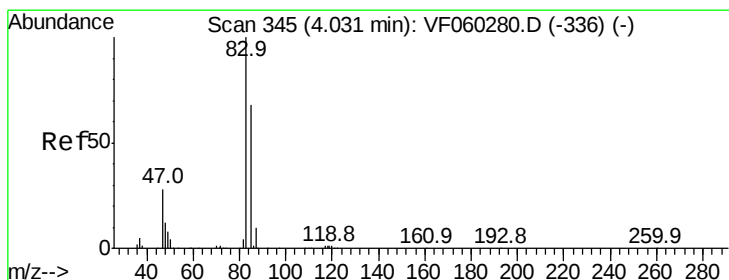
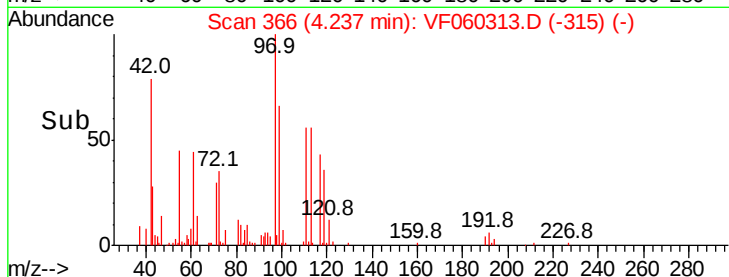
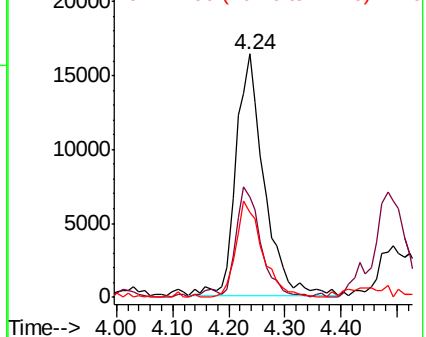
71 37.4 32.7 49.1



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: 23.415 ug/l

RT: 4.02 min Scan# 344

Delta R.T. -0.01 min

Lab File: VF060313.D

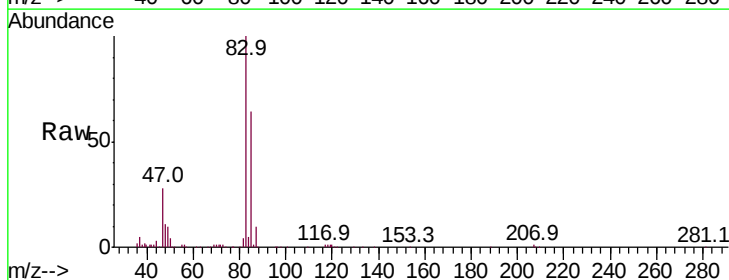
Acq: 21 Sep 2018 13:46

Tgt Ion: 83 Resp: 163540

Ion Ratio Lower Upper

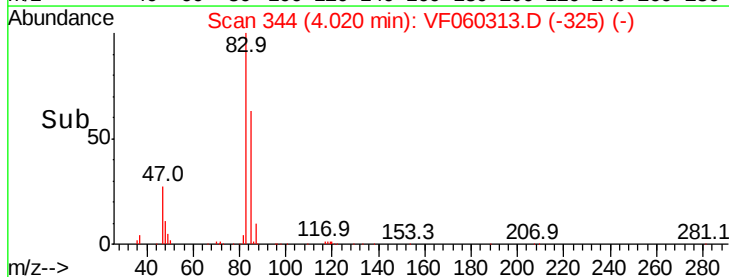
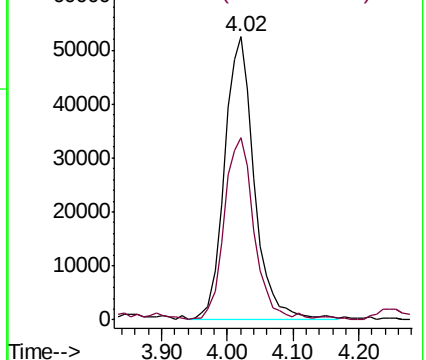
83 100

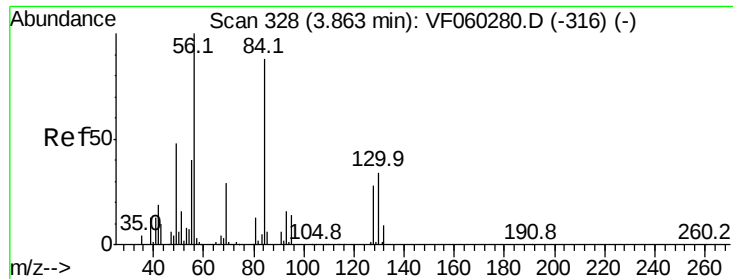
85 64.4 54.9 82.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

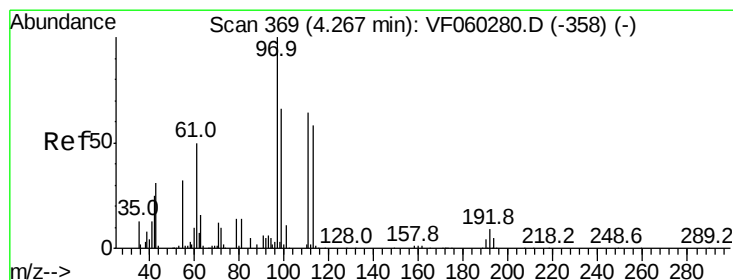
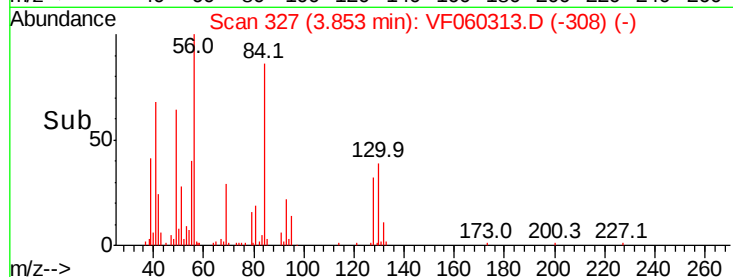
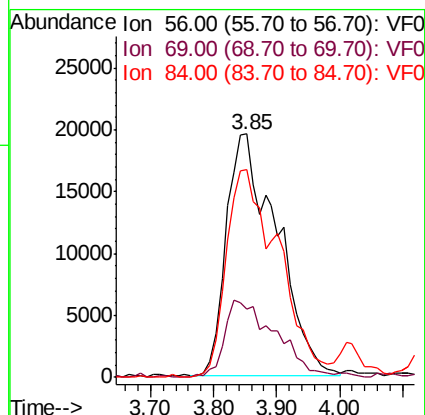
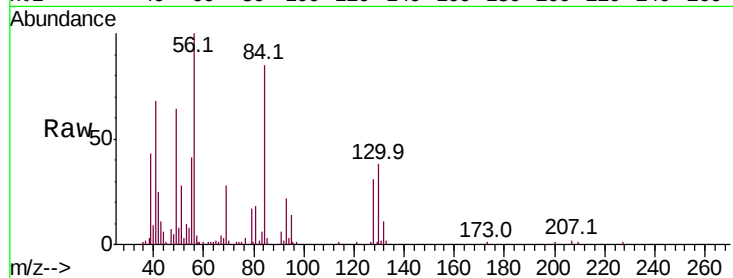




#31
Cyclohexane
Concen: 22.231 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

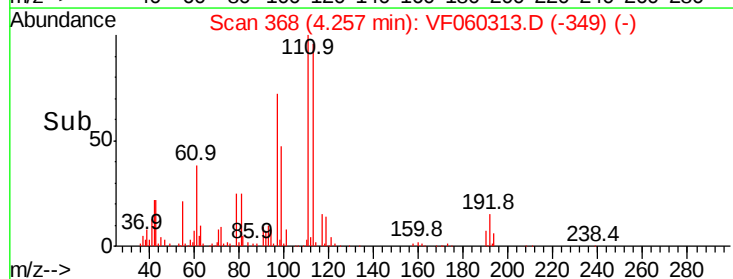
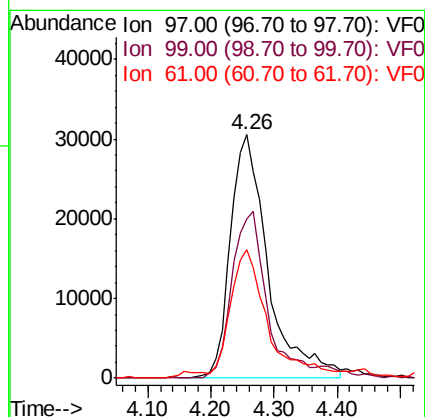
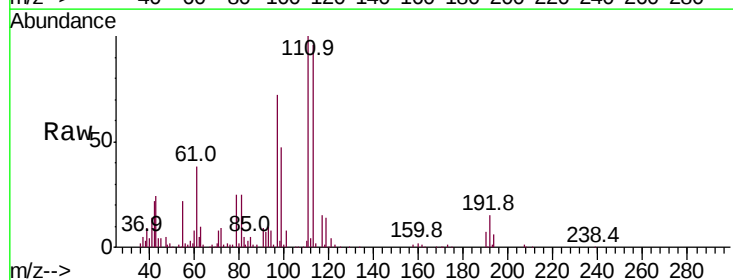
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

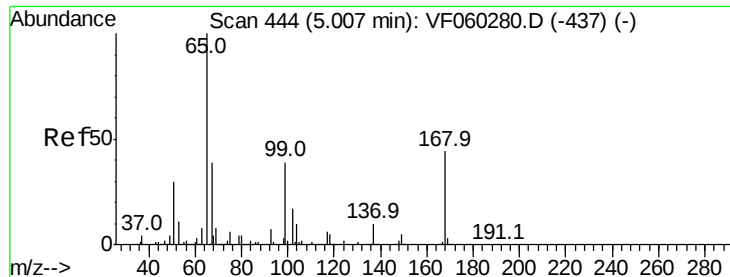
Tot Ion: 56 Resp: 108695
Ion Ratio Lower Upper
56 100
69 28.2 23.8 35.6
84 85.3 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 22.969 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion: 97 Resp: 126581
Ion Ratio Lower Upper
97 100
99 65.2 53.0 79.4
61 52.9 40.6 61.0





#33

1,2-Dichloroethane-d4

Concen: 55.641 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

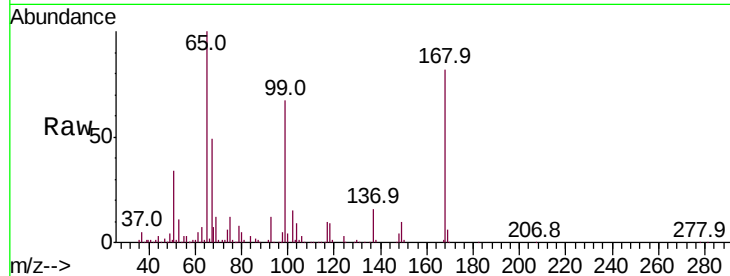
VF0921SBS01

Tot Ion: 65 Resp: 178476

Ion Ratio Lower Upper

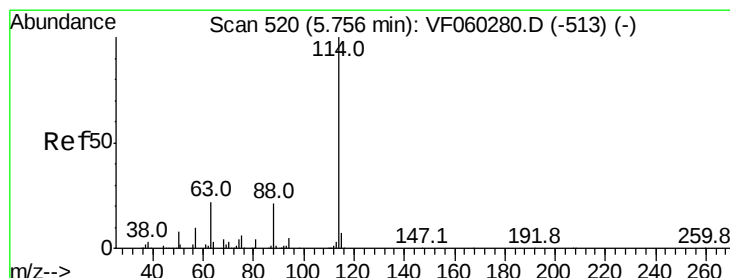
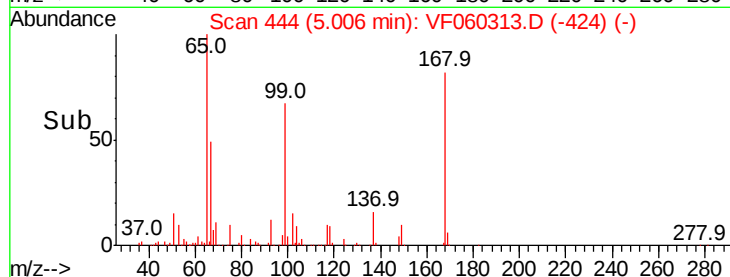
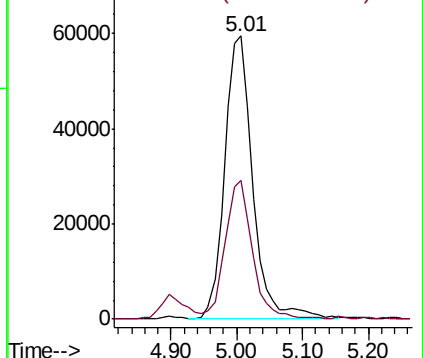
65 100

67 48.9 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: VF060313.D

Acq: 21 Sep 2018 13:46

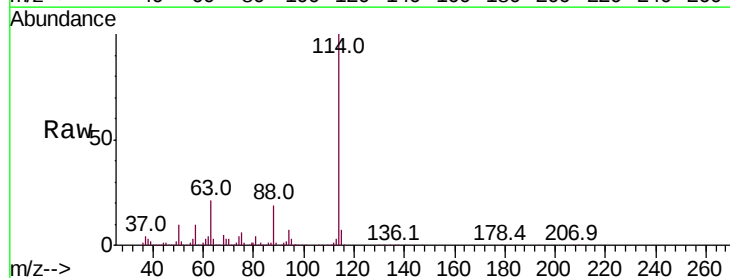
Tgt Ion:114 Resp: 414876

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

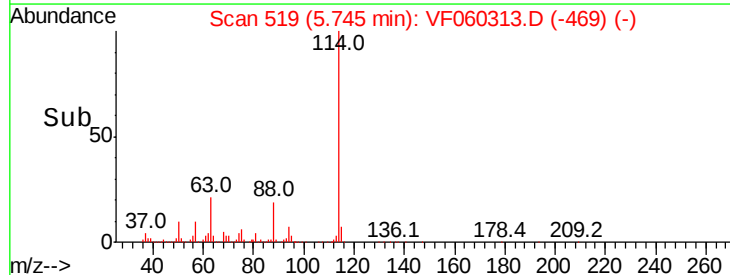
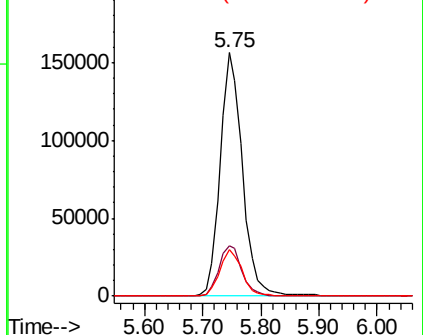
88 19.2 0.0 41.2

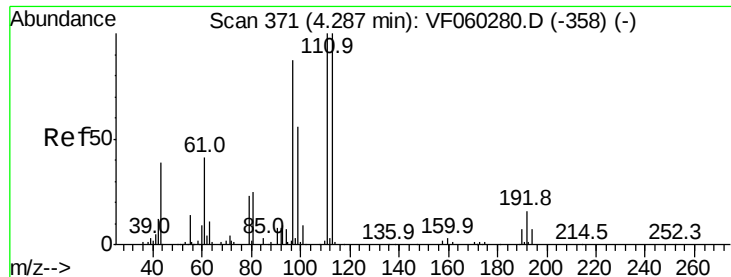


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

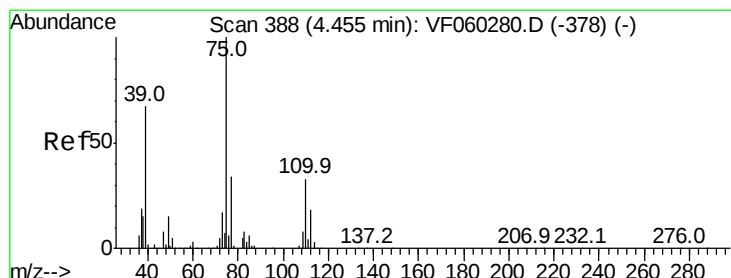
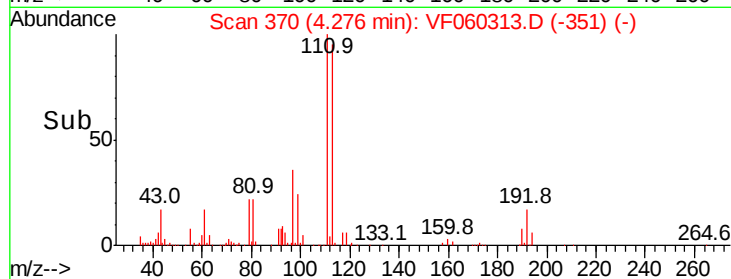
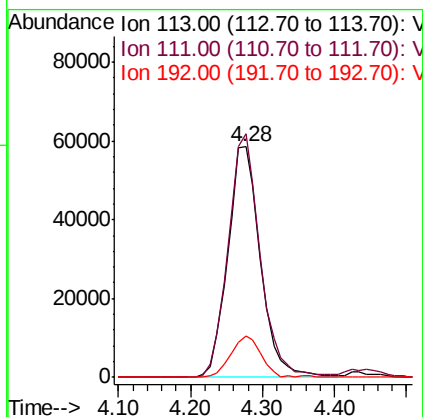
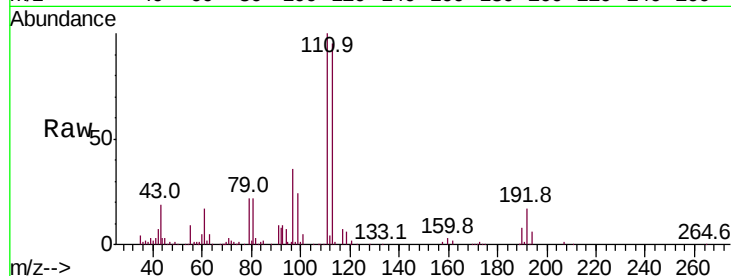




#35
 Dibromofluoromethane
 Concen: 49.984 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

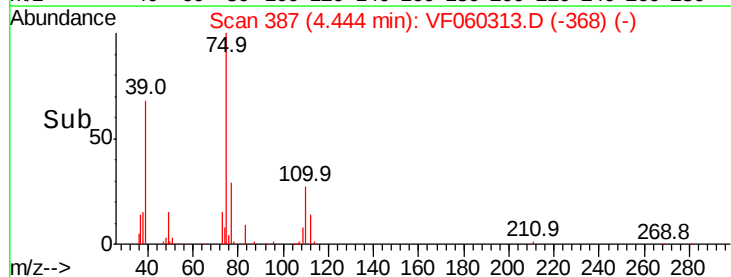
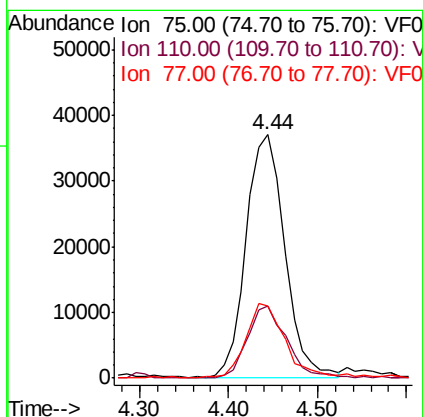
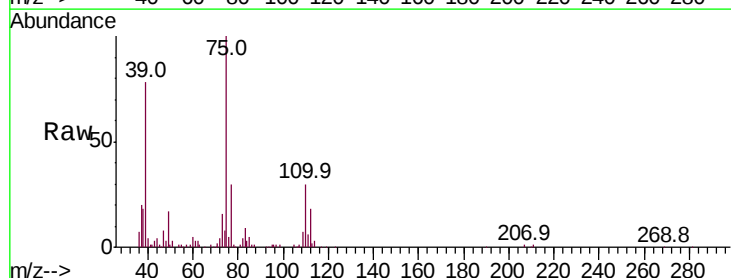
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

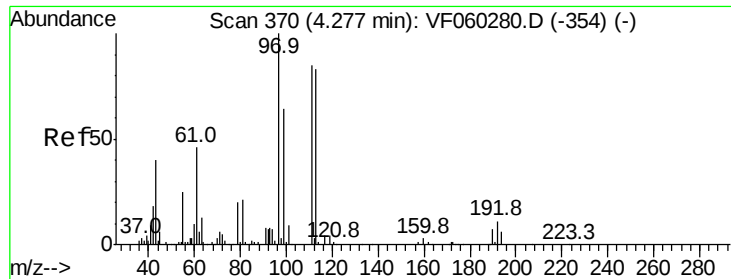
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.5	79.6	119.4
192	17.7	13.0	19.6



#36
 1,1-Dichloropropene
 Concen: 21.441 ug/l
 RT: 4.44 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.6	16.4	49.2
77	29.7	27.3	40.9

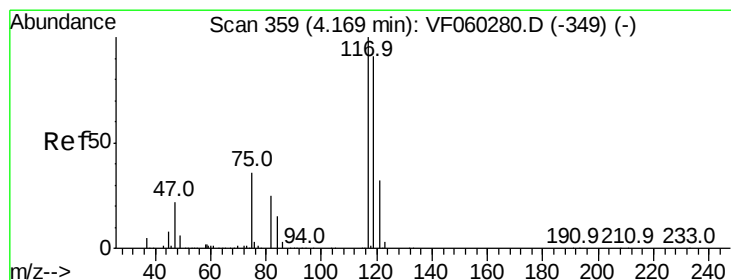
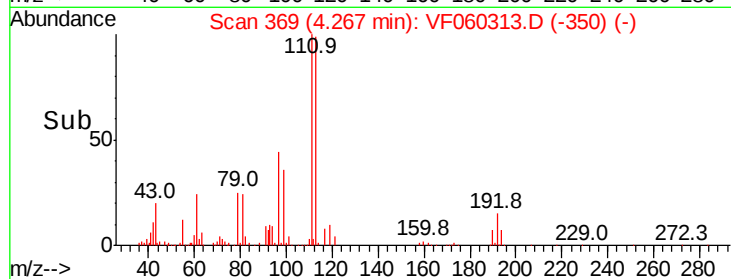
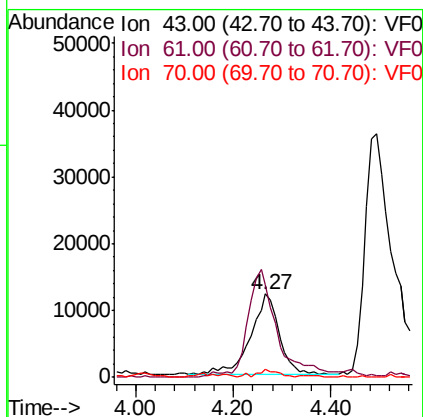
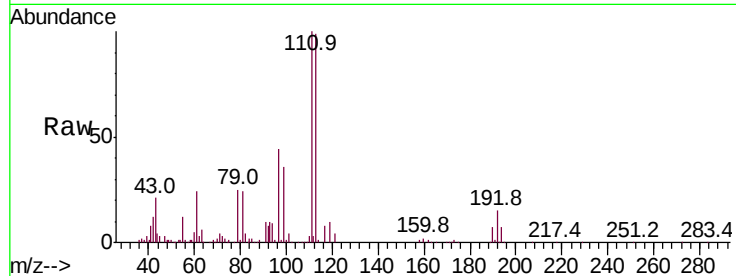




#37
Ethyl Acetate
Concen: 22.430 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

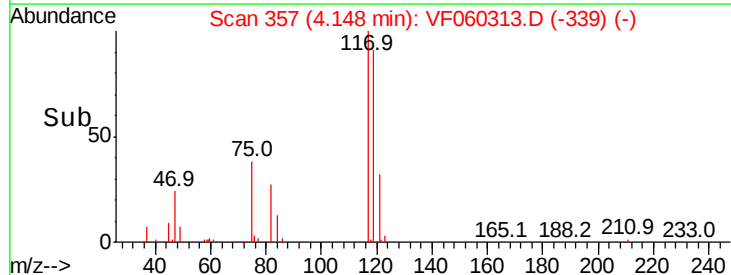
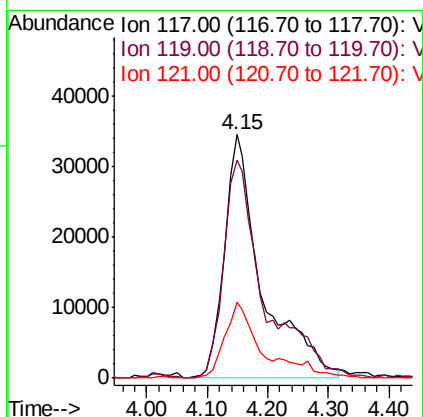
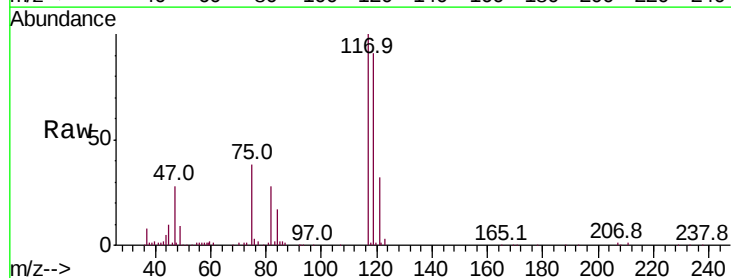
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

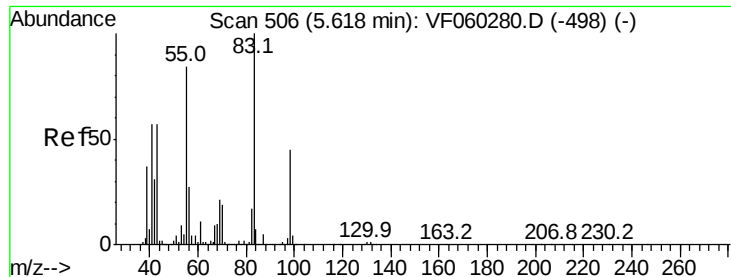
Tot Ion: 43 Resp: 49114
Ion Ratio Lower Upper
43 100
61 111.6 91.1 136.7
70 9.1 6.9 10.3



#38
Carbon Tetrachloride
Concen: 26.861 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.02 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion: 117 Resp: 149307
Ion Ratio Lower Upper
117 100
119 89.7 73.0 109.6
121 31.3 25.4 38.2

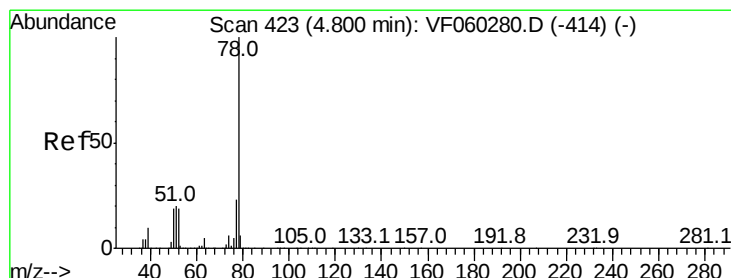
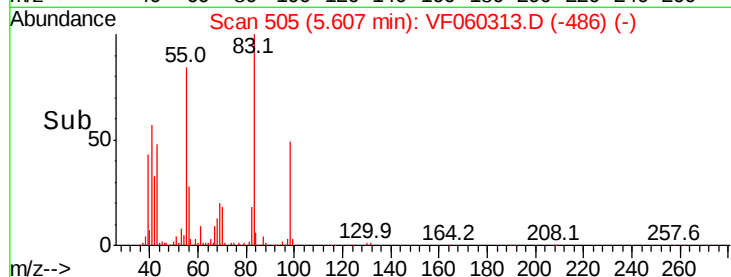
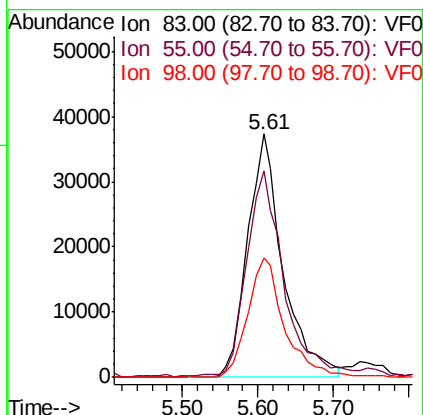
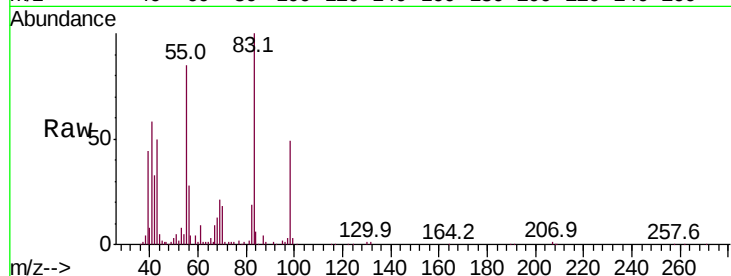




#39
Methylvlcvclohexane
Concen: 21.775 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

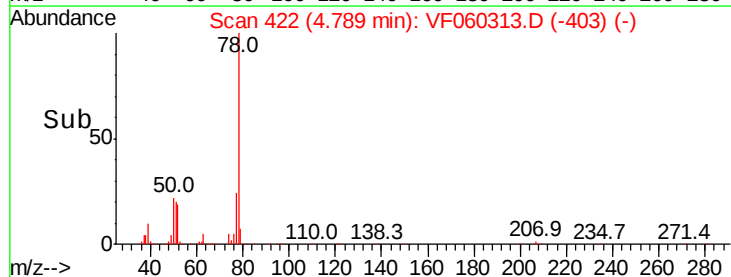
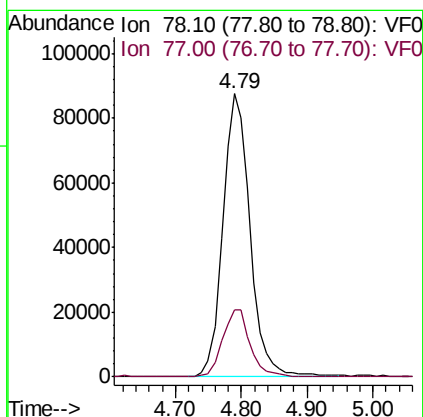
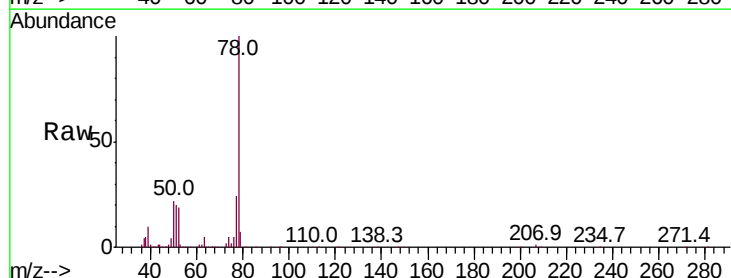
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

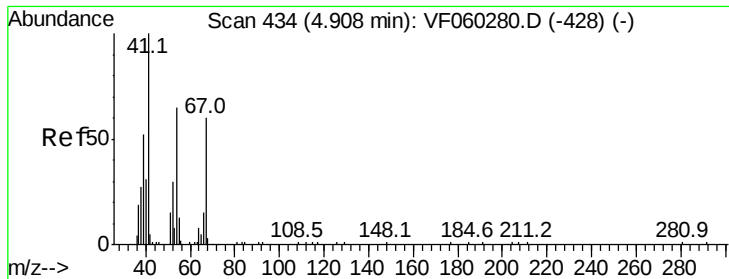
Tot Ion	83	Resp	122127
Ion	Ratio	Lower	Upper
83	100		
55	84.9	67.3	100.9
98	49.0	36.1	54.1



#40
Benzene
Concen: 21.571 ug/l
RT: 4.79 min Scan# 422
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion	78	Resp	253122
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.4	27.6





#41

Methacrylonitrile

Concen: 22.640 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 41 Resp: 26900

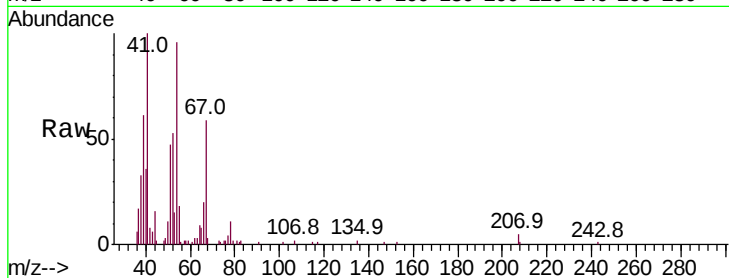
Ion	Ratio	Lower	Upper
41	100		
39	60.8	49.1	73.7
67	58.9	48.2	72.4
52	53.1	35.8	53.8

41 100

39 60.8 49.1 73.7

67 58.9 48.2 72.4

52 53.1 35.8 53.8

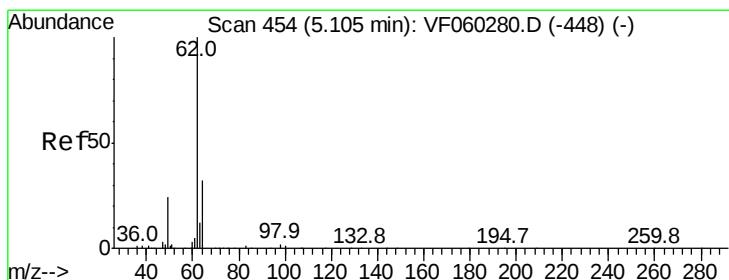
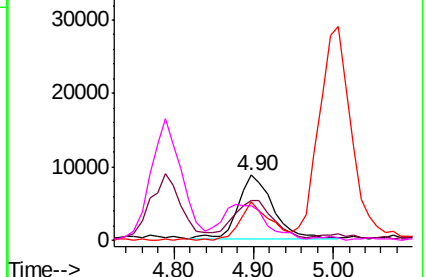
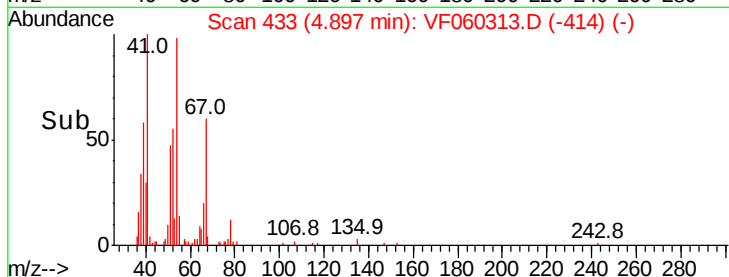


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 23.628 ug/l

RT: 5.10 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF060313.D

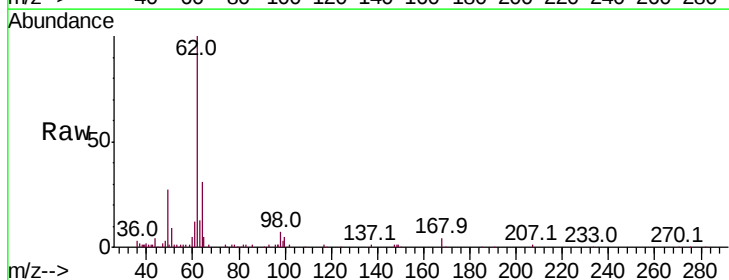
Acq: 21 Sep 2018 13:46

Tgt Ion: 62 Resp: 102052

Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	14.4

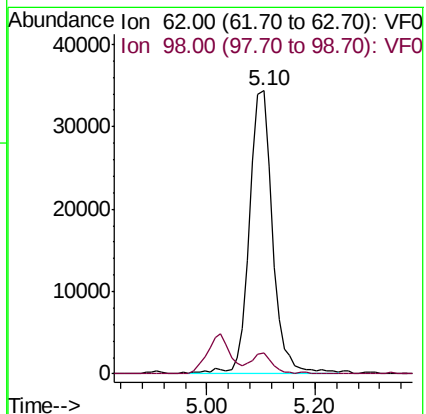
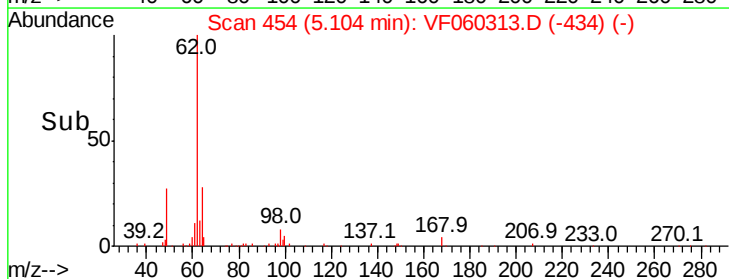
62 100

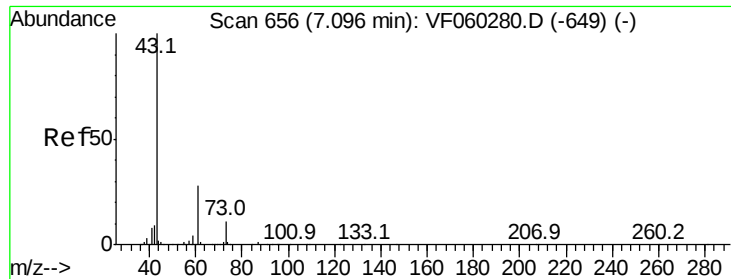
98 7.5 0.0 14.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



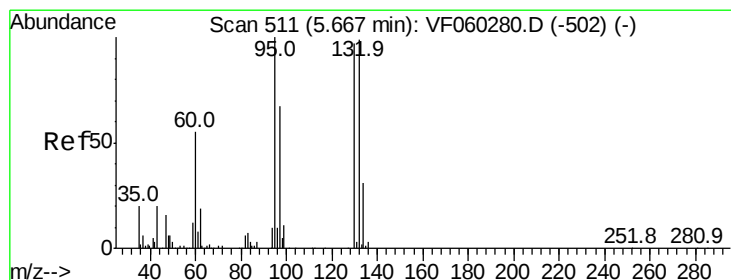
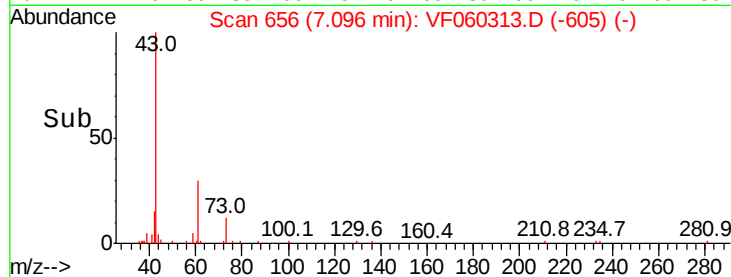
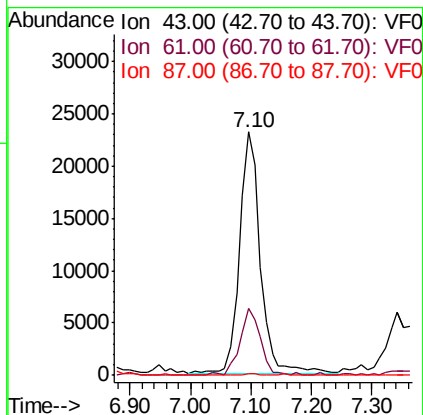
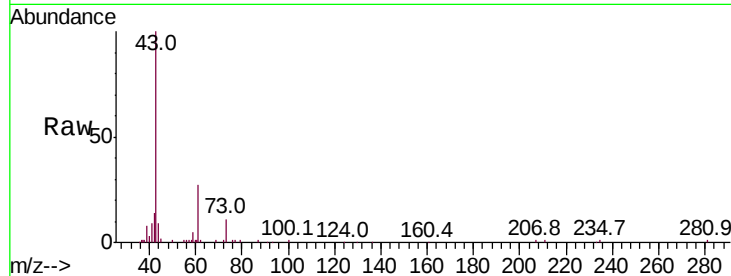


#43

Isopropyl Acetate
 Concen: 21.028 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

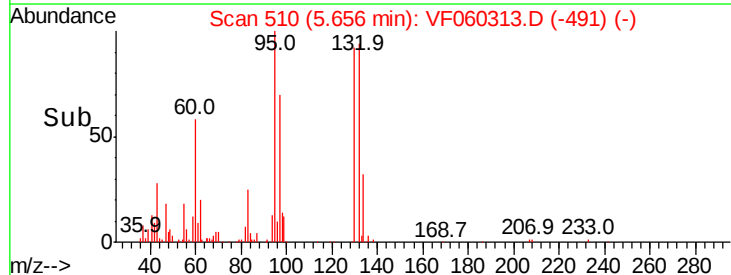
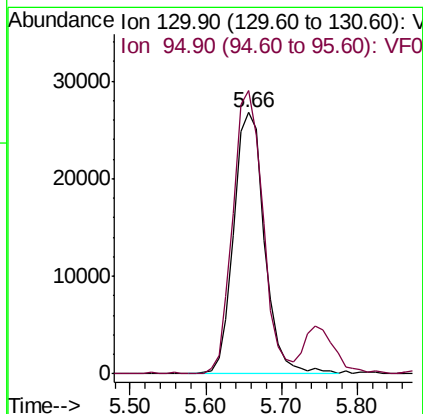
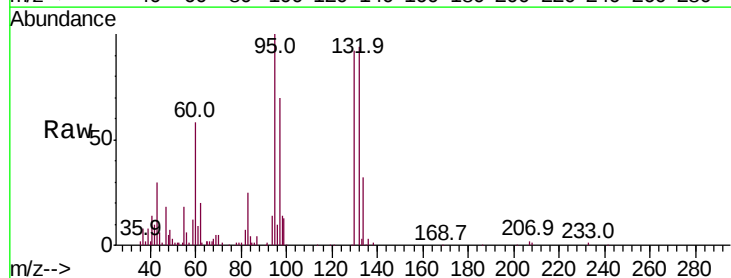
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	22.4	33.6
87	0.5	0.6	0.8

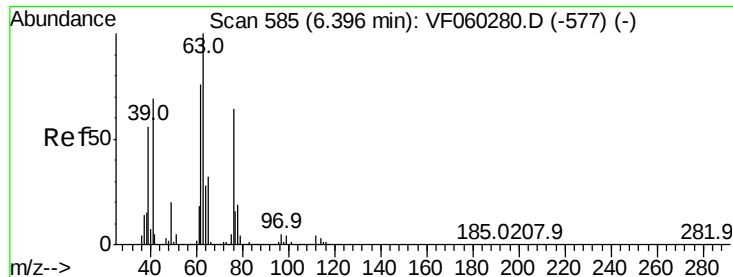


#44

Trichloroethene
 Concen: 21.536 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	205.6





#45

1,2-Dichloropropane

Concen: 21.017 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

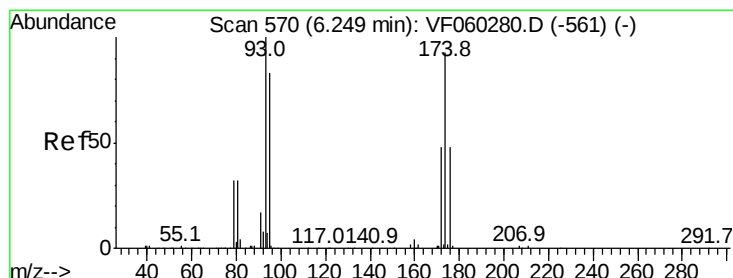
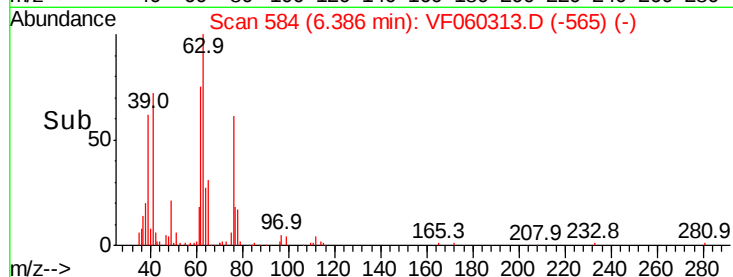
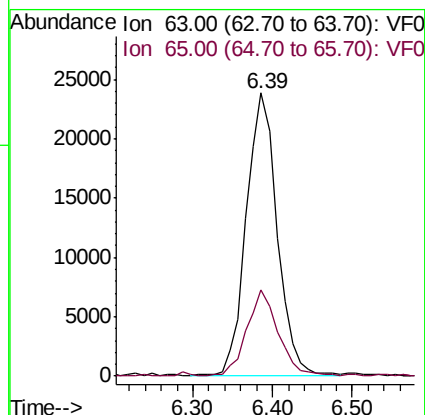
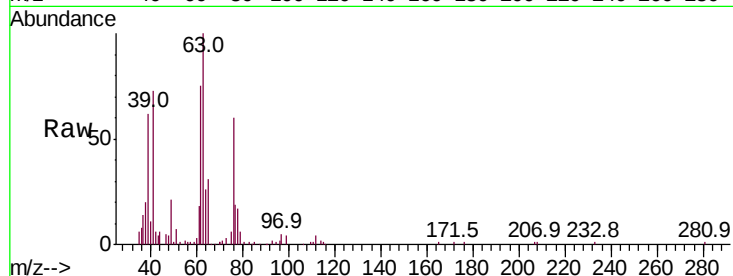
VF0921SBS01

Tot Ion: 63 Resp: 63825

Ion Ratio Lower Upper

63 100

65 30.6 26.2 39.4



#46

Dibromomethane

Concen: 22.865 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

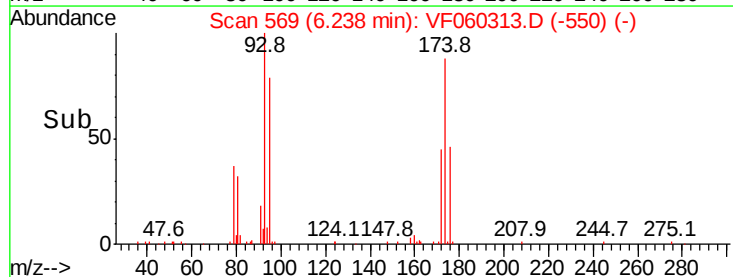
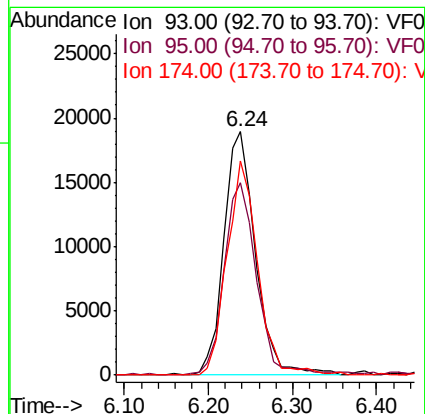
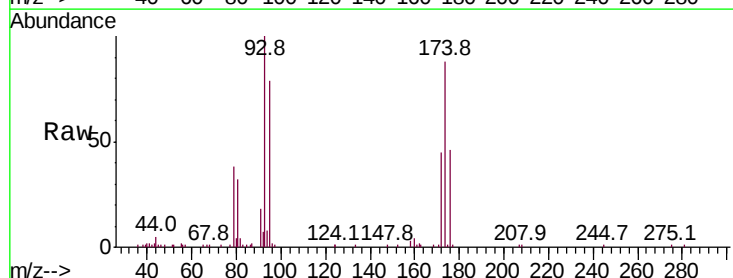
Tgt Ion: 93 Resp: 49635

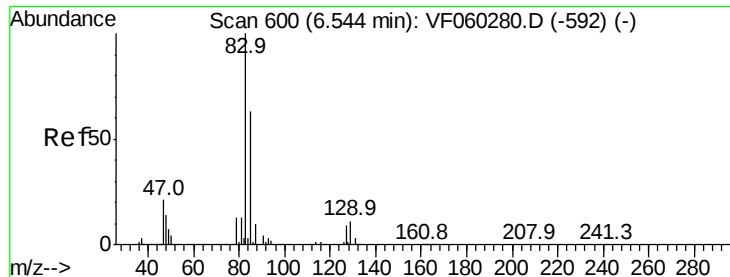
Ion Ratio Lower Upper

93 100

95 79.1 67.0 100.6

174 88.0 74.8 112.2





#47

Bromodichloromethane

Concen: 22.025 ug/l

RT: 6.53 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

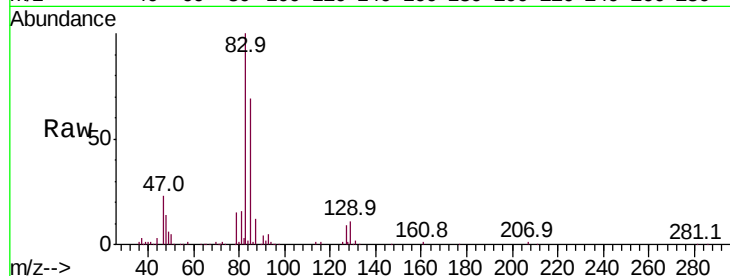
Tot Ion: 83 Resp: 114895

Ion Ratio Lower Upper

83 100

85 68.8 50.6 76.0

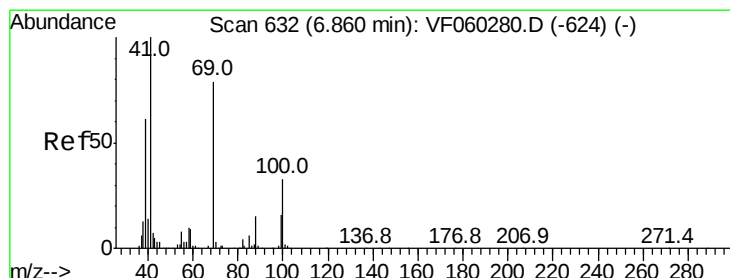
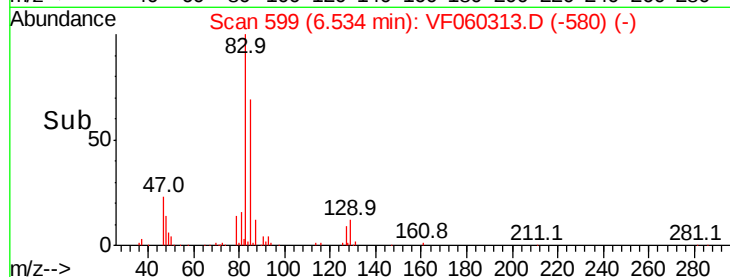
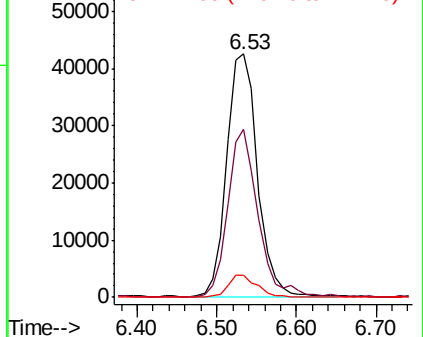
127 10.3 7.1 10.7



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: 21.433 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

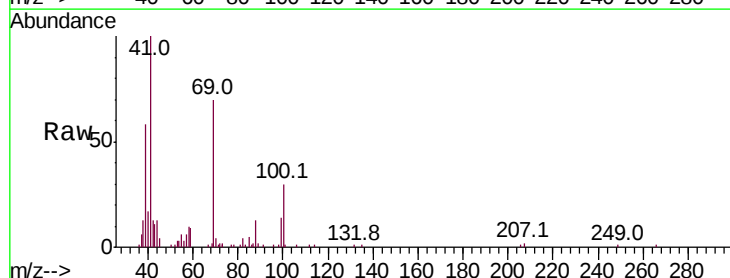
Tgt Ion: 41 Resp: 39661

Ion Ratio Lower Upper

41 100

69 70.0 62.6 94.0

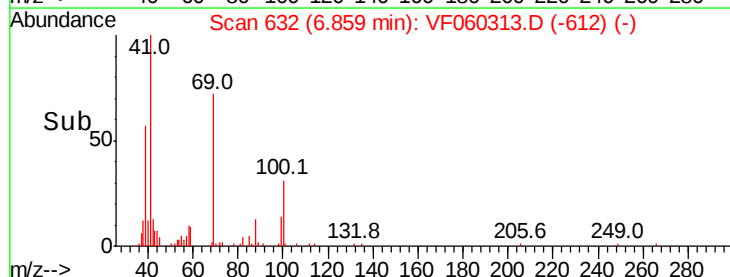
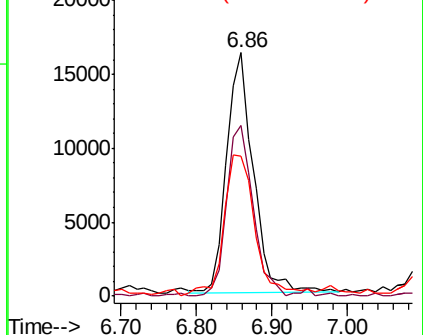
39 57.6 49.1 73.7

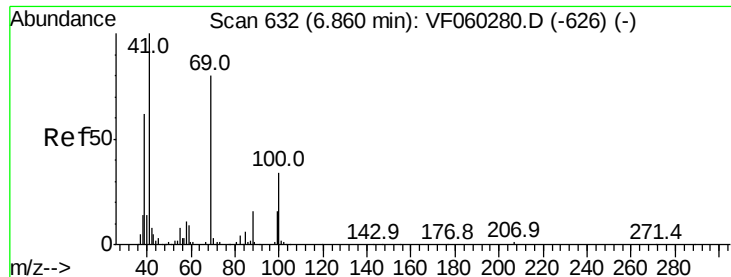


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 468.248 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

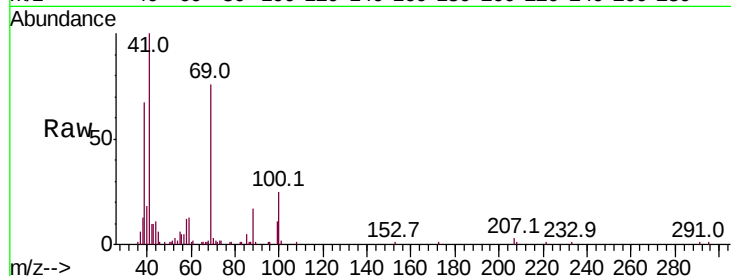
Tot Ion: 88 Resp: 7741

Ion Ratio Lower Upper

88 100

43 58.7 40.2 60.4

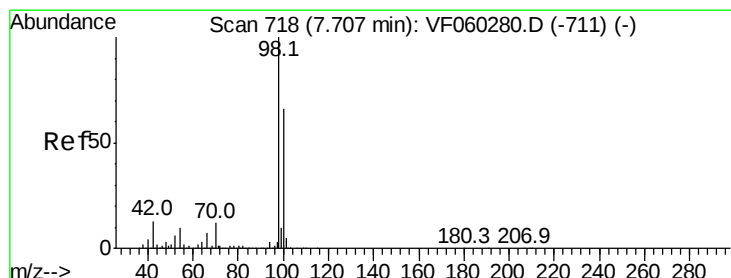
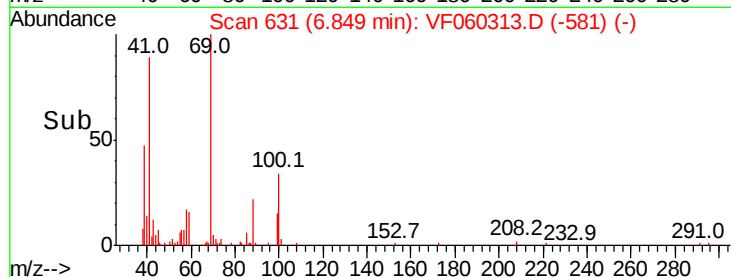
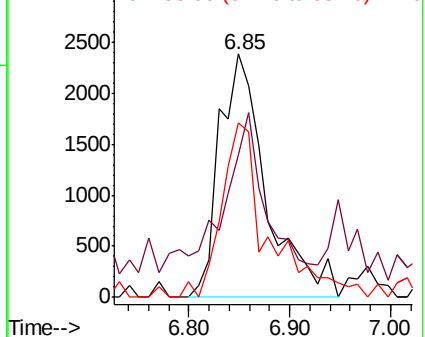
58 71.8 56.7 85.1



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: 46.005 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF060313.D

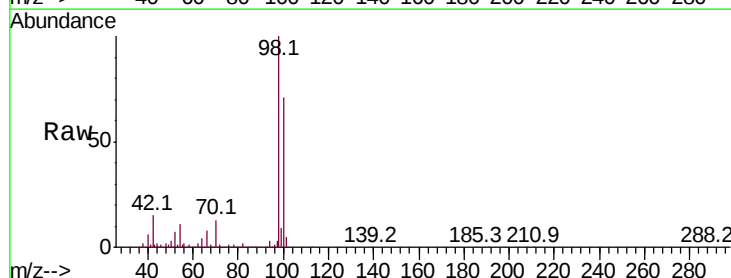
Acq: 21 Sep 2018 13:46

Tgt Ion: 98 Resp: 443088

Ion Ratio Lower Upper

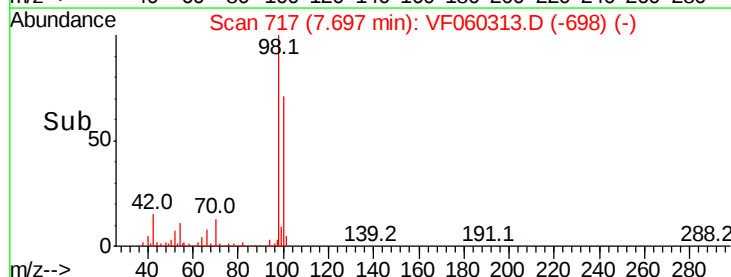
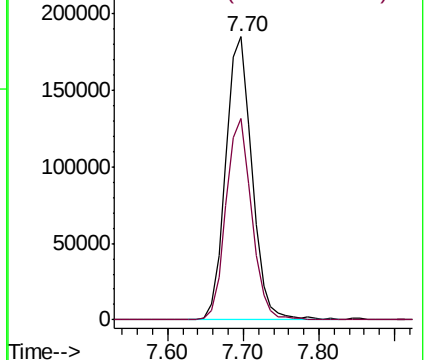
98 100

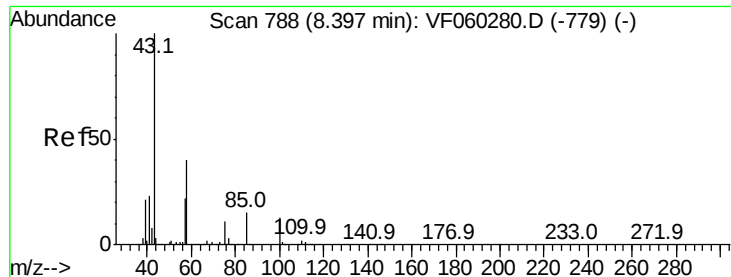
100 71.1 53.0 79.6



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: 107.051 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

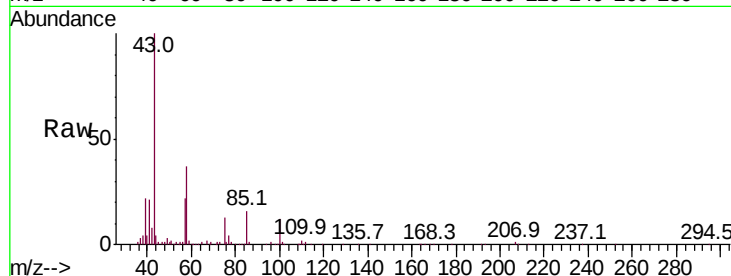
VF0921SBS01

Tot Ion: 43 Resp: 217499

Ion Ratio Lower Upper

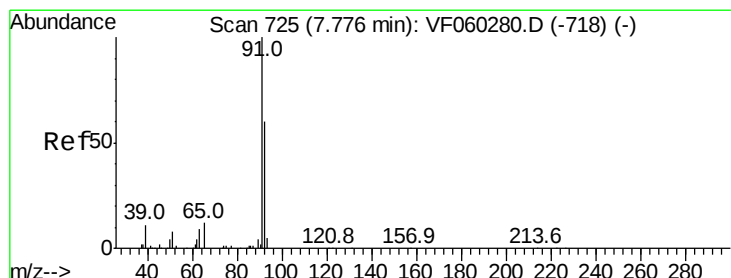
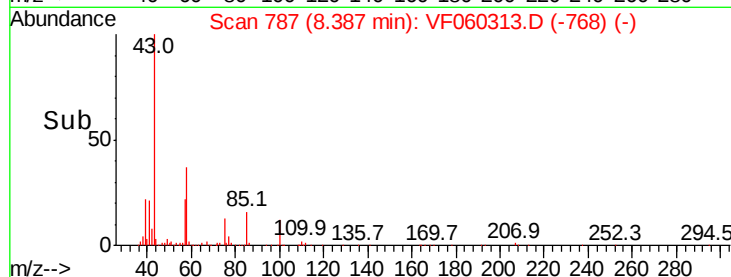
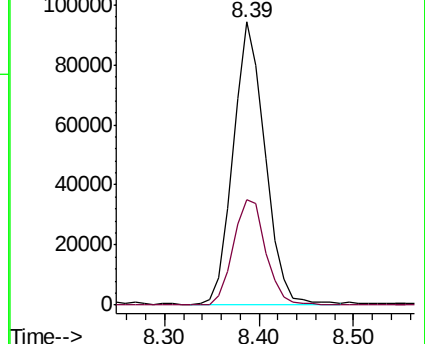
43 100

58 37.2 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.106 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060313.D

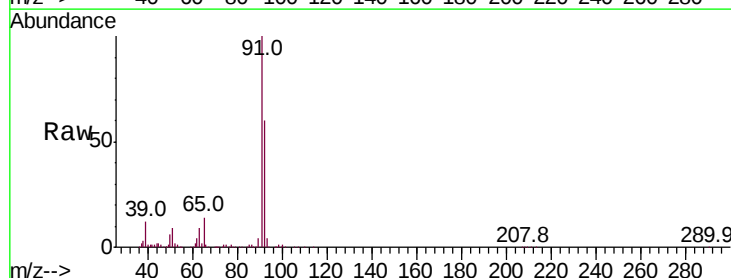
Acq: 21 Sep 2018 13:46

Tgt Ion: 92 Resp: 156676

Ion Ratio Lower Upper

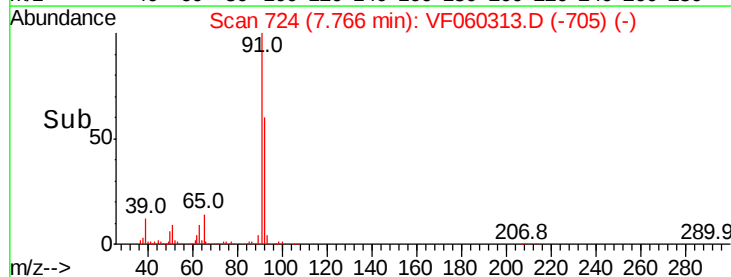
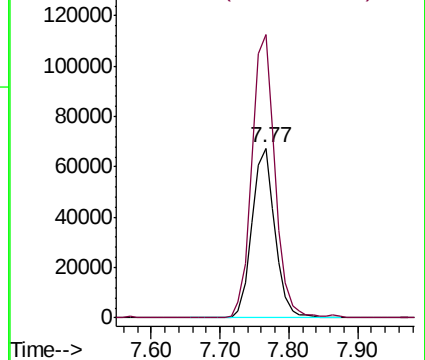
92 100

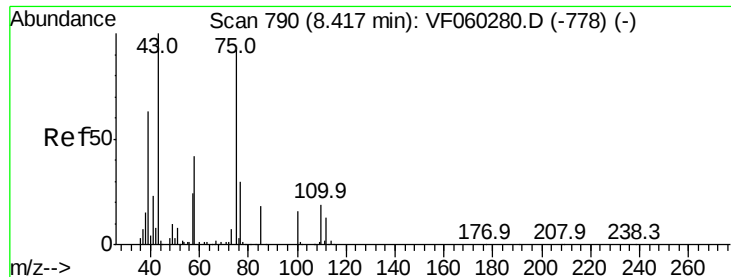
91 166.4 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 23.137 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

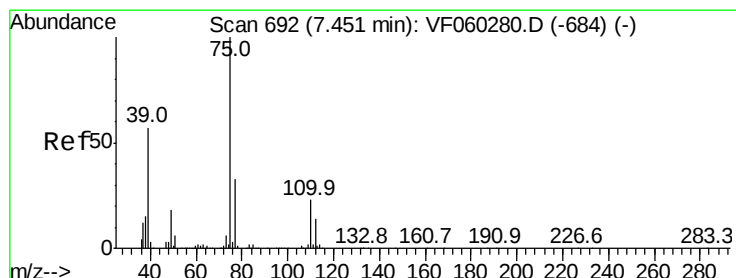
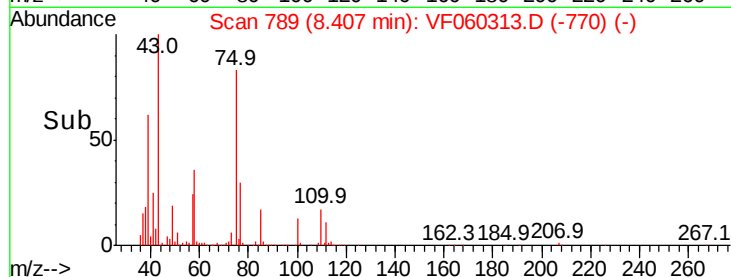
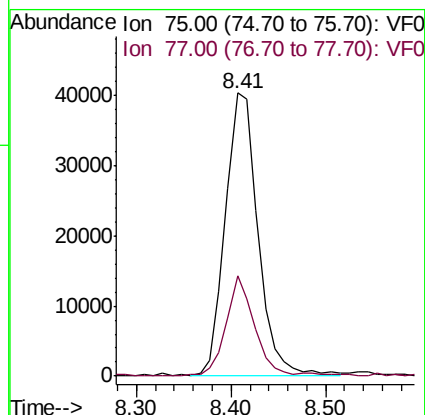
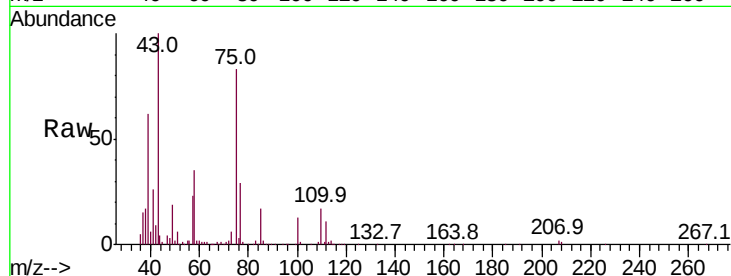
VF0921SBS01

Tot Ion: 75 Resp: 97358

Ion Ratio Lower Upper

75 100

77 35.4 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 20.096 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

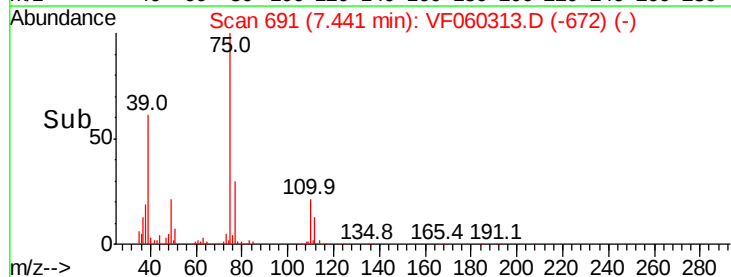
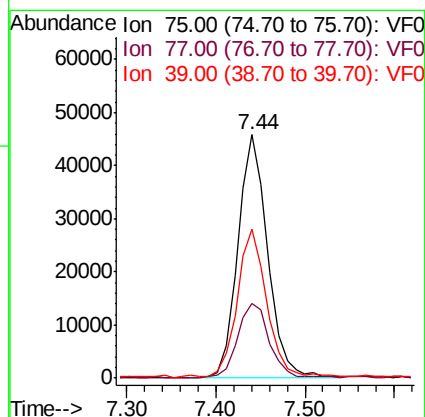
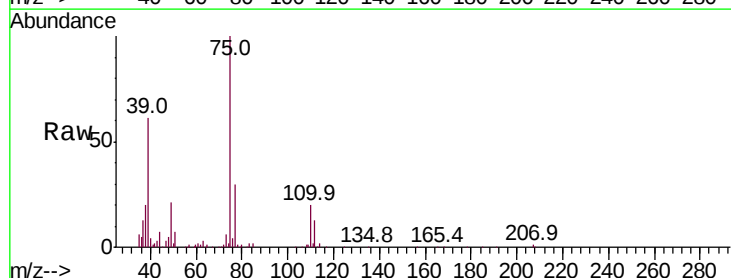
Tgt Ion: 75 Resp: 106530

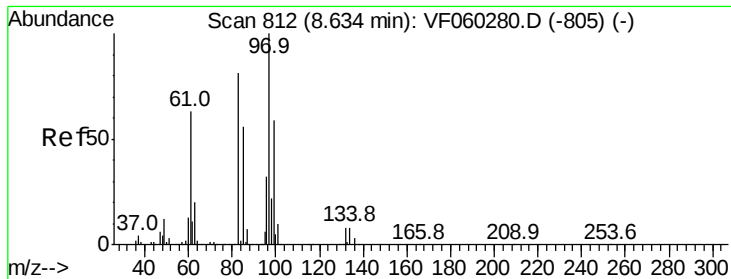
Ion Ratio Lower Upper

75 100

77 30.4 26.3 39.5

39 61.1 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 21.048 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 97 Resp: 47423

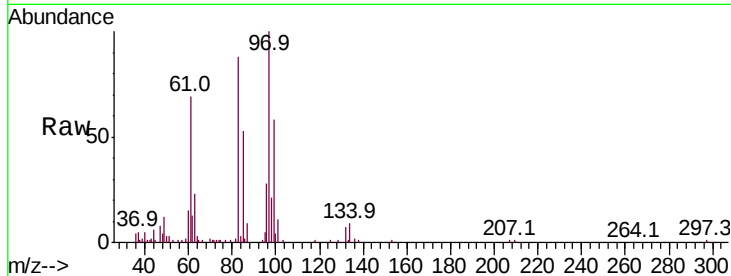
Ion Ratio Lower Upper

97 100

83 87.6 65.3 97.9

85 53.0 44.7 67.1

99 58.0 47.0 70.4

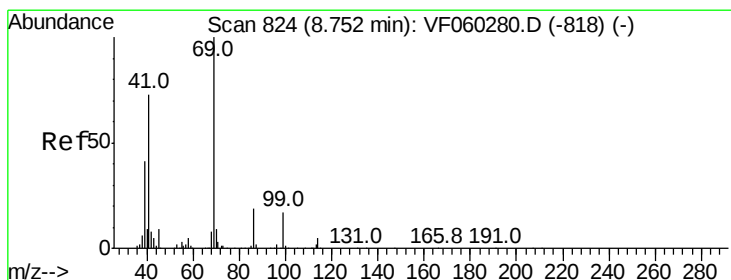
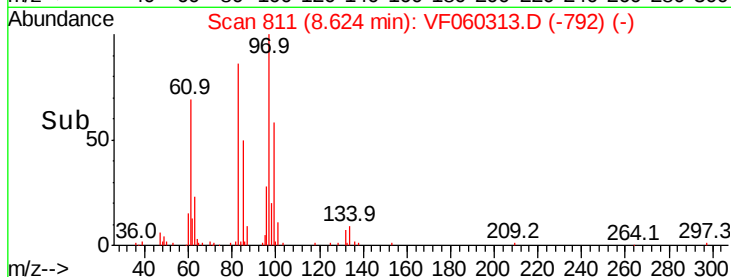
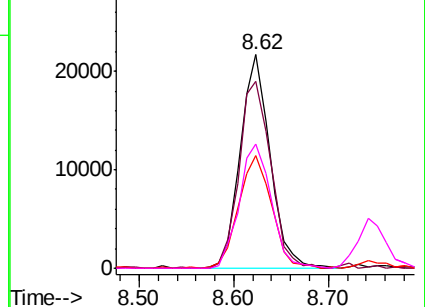


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.456 ug/l

RT: 8.74 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

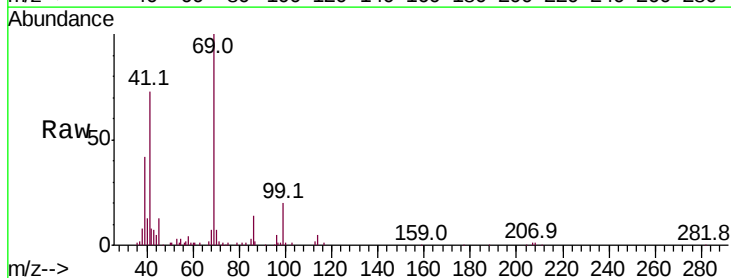
Tgt Ion: 69 Resp: 55662

Ion Ratio Lower Upper

69 100

41 73.0 59.4 89.2

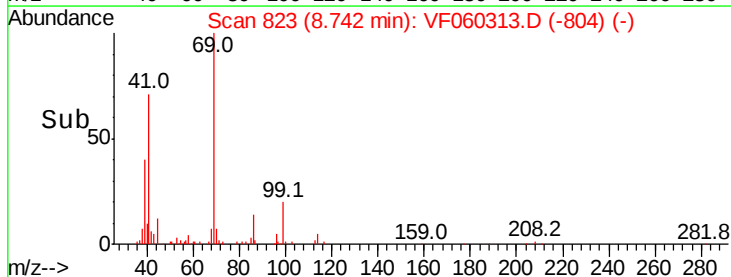
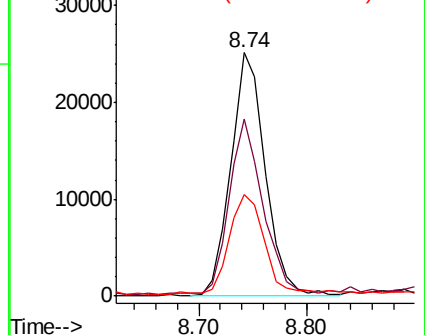
39 41.6 33.5 50.3

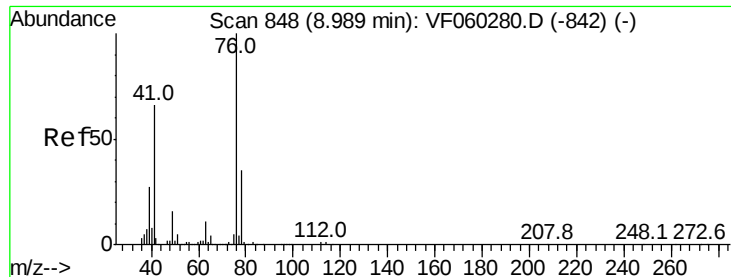


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.204 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

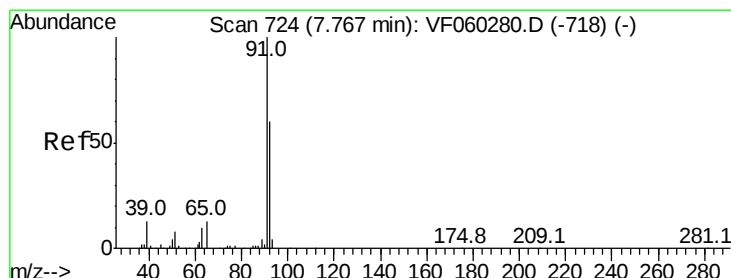
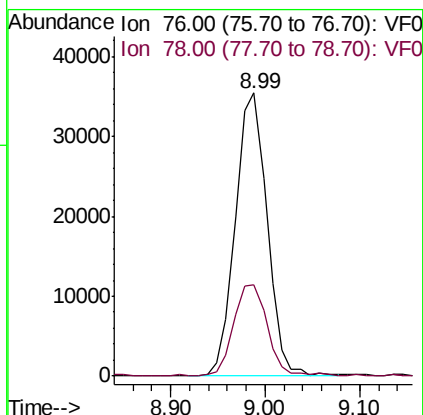
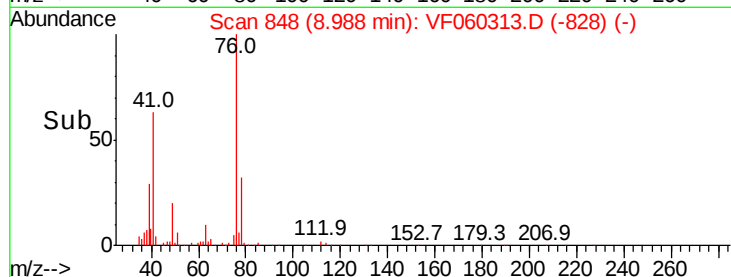
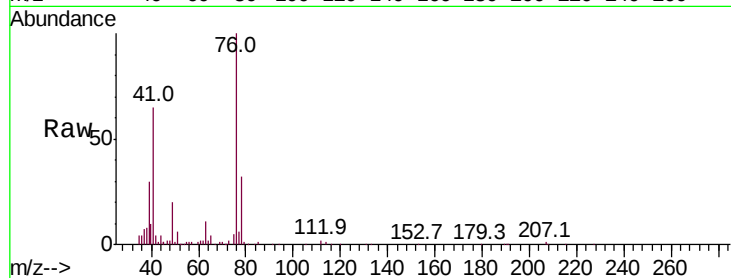
VF0921SBS01

Tot Ion: 76 Resp: 82834

Ion Ratio Lower Upper

76 100

78 32.2 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 107.544 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060313.D

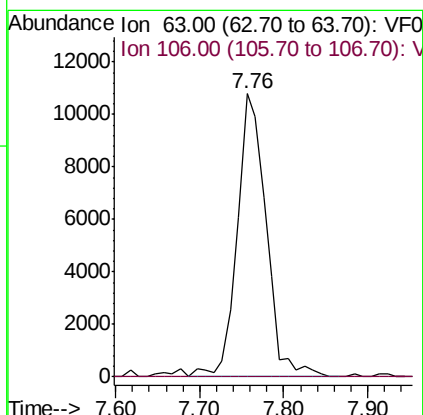
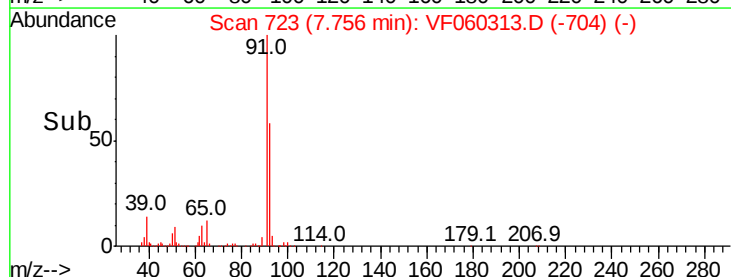
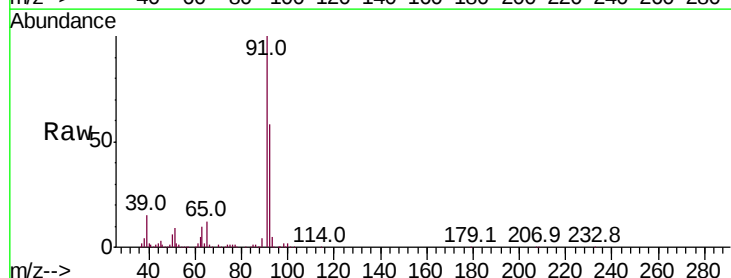
Acq: 21 Sep 2018 13:46

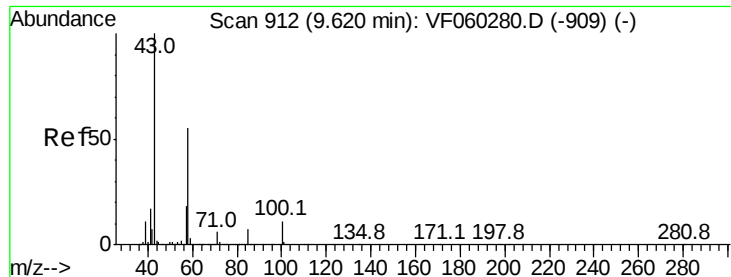
Tgt Ion: 63 Resp: 25870

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

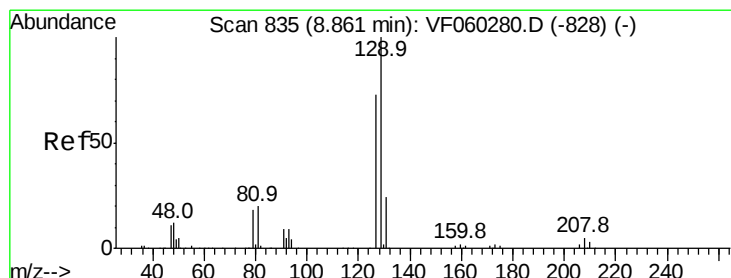
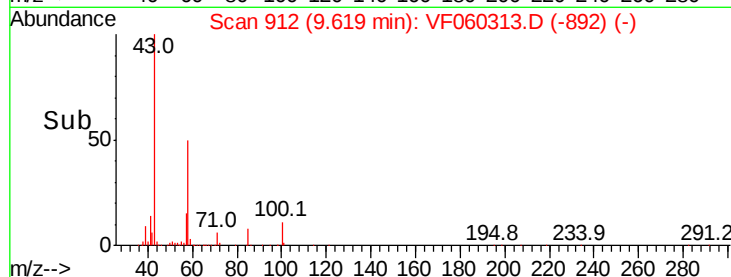
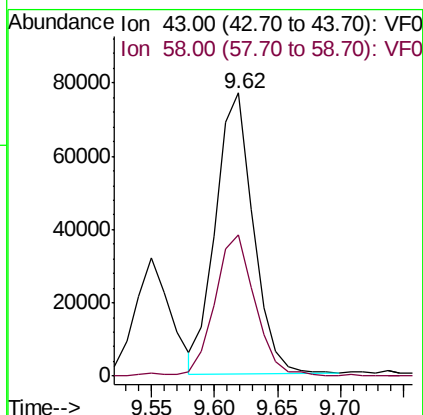
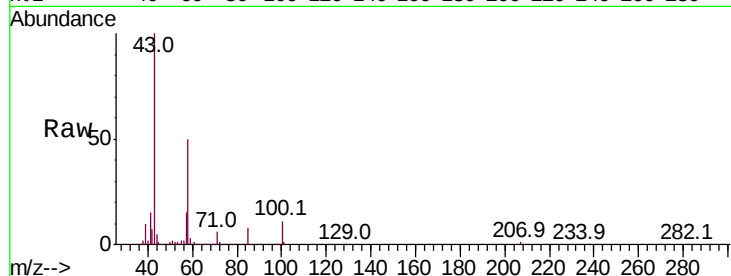




#59
2-Hexanone
Concen: 110.324 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.00 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

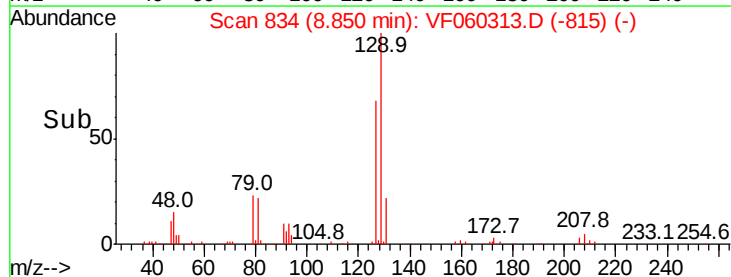
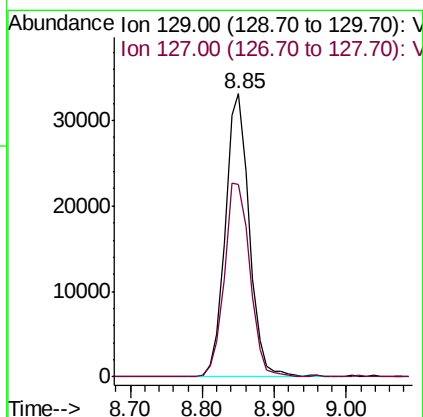
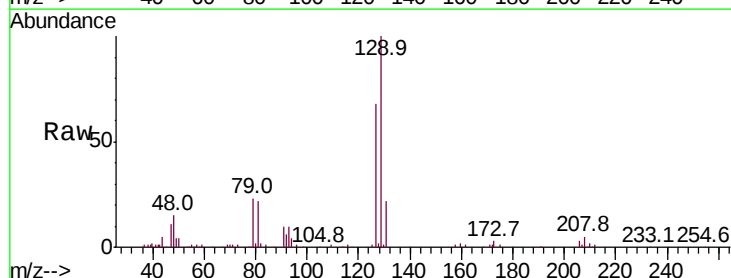
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

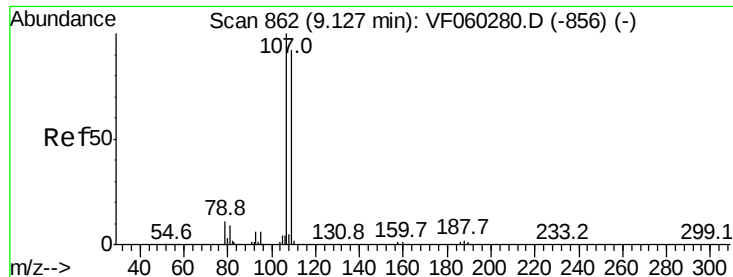
Tot Ion: 43 Resp: 159596
Ion Ratio Lower Upper
43 100
58 50.1 25.9 77.6



#60
Dibromochloromethane
Concen: 22.750 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion: 129 Resp: 76397
Ion Ratio Lower Upper
129 100
127 68.1 36.6 109.8





#61

1,2-Dibromoethane

Concen: 22.431 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

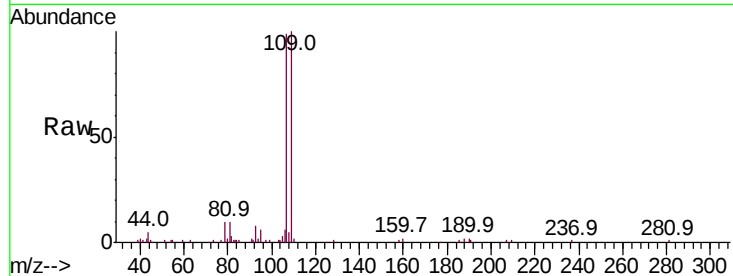
VF0921SBS01

Tot Ion:107 Resp: 56279

Ion Ratio Lower Upper

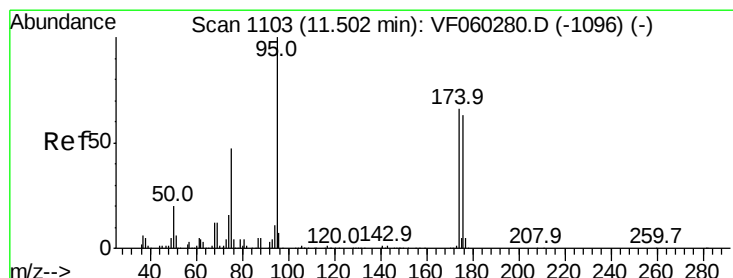
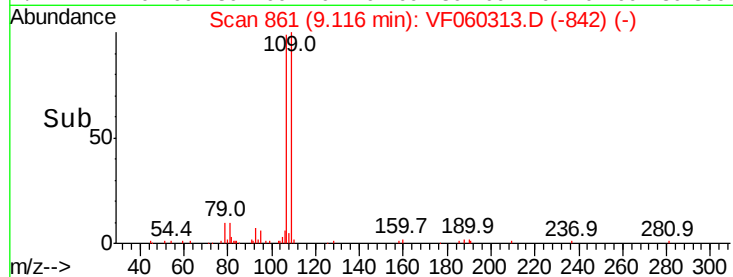
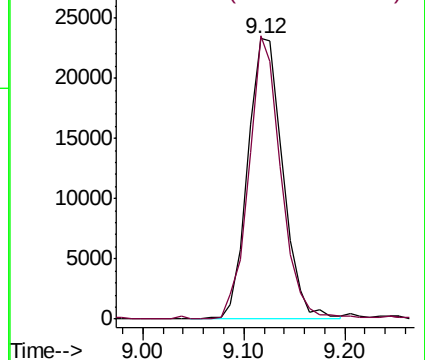
107 100

109 100.9 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.599 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

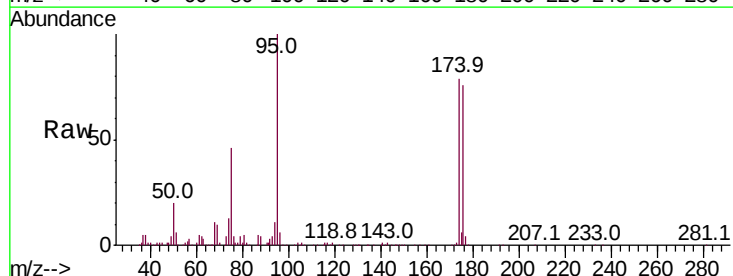
Tgt Ion: 95 Resp: 202331

Ion Ratio Lower Upper

95 100

174 79.0 0.0 131.2

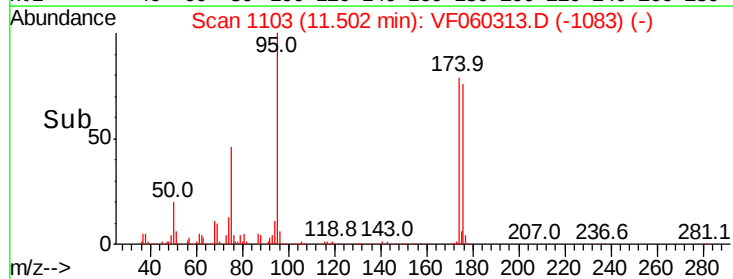
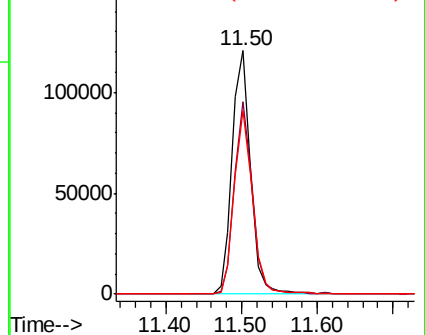
176 75.6 0.0 126.6

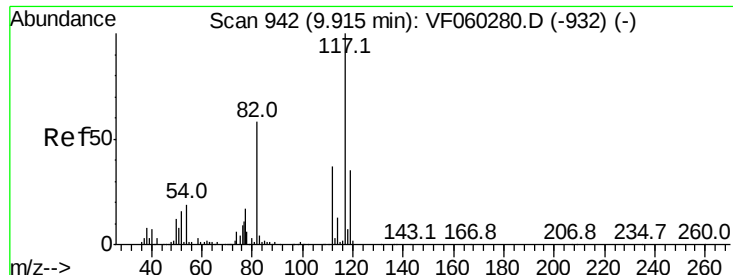


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

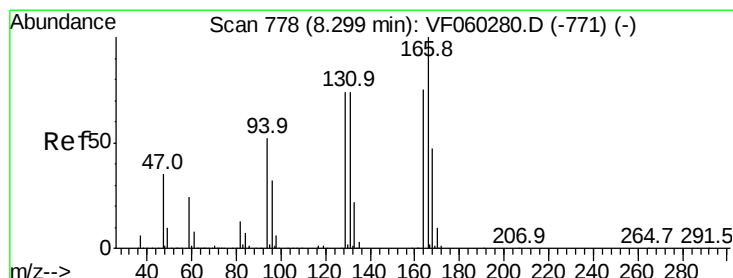
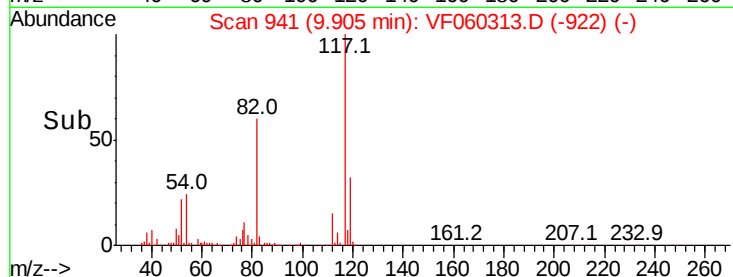
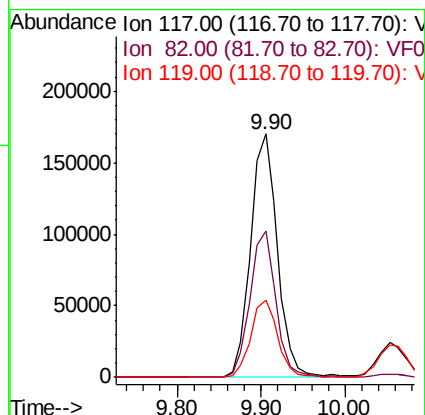
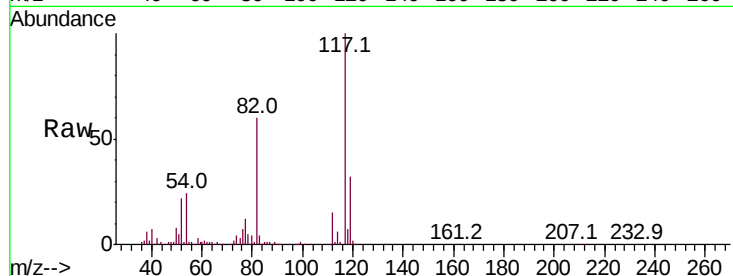




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

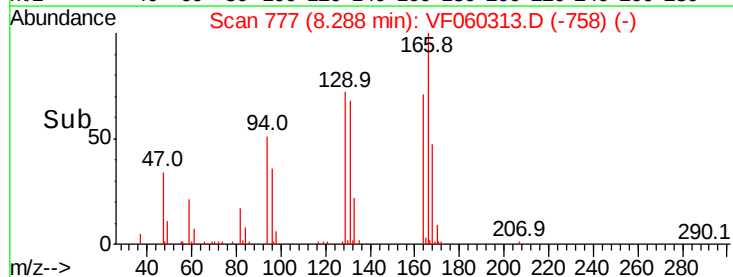
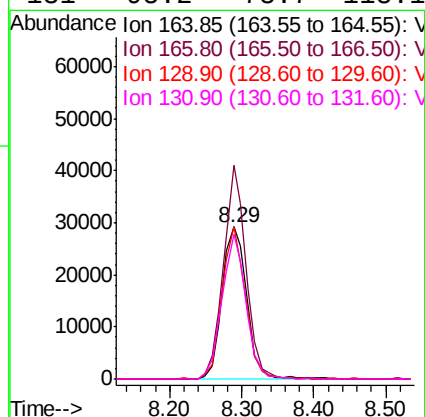
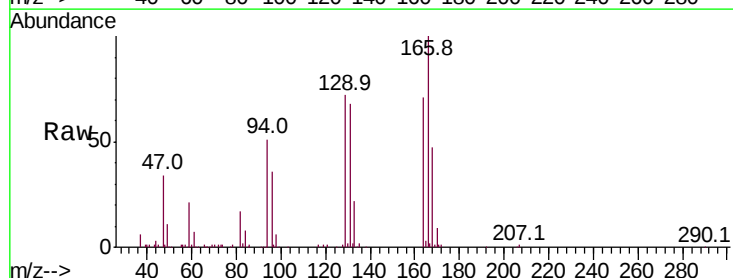
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

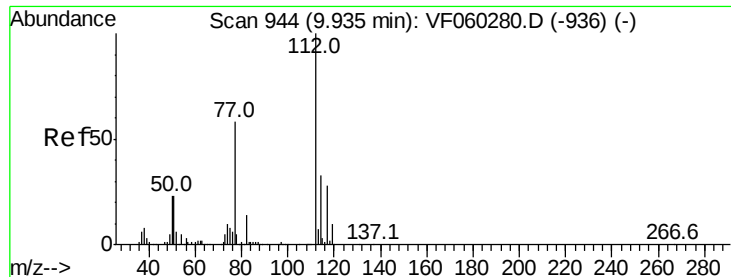
Tot Ion:117 Resp: 380986
Ion Ratio Lower Upper
117 100
82 60.2 46.2 69.2
119 31.9 27.8 41.6



#64
Tetrachloroethene
Concen: 19.723 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion:164 Resp: 68117
Ion Ratio Lower Upper
164 100
166 140.8 106.8 160.2
129 100.8 78.8 118.2
131 95.2 78.7 118.1





#65

Chlorobenzene

Concen: 21.141 ug/l

RT: 9.92 min Scan# 943

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

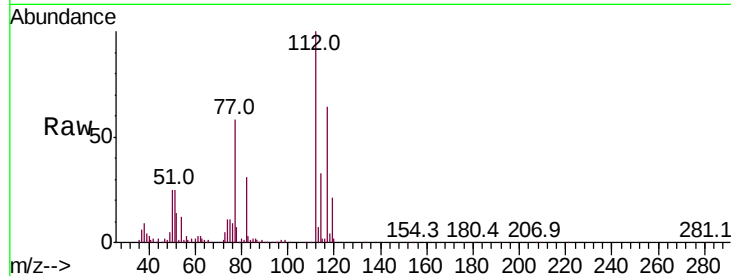
VF0921SBS01

Tot Ion:112 Resp: 182550

Ion Ratio Lower Upper

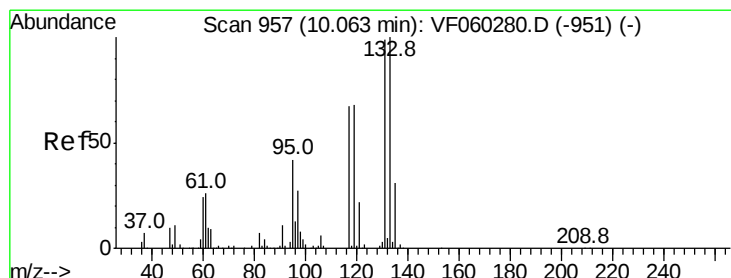
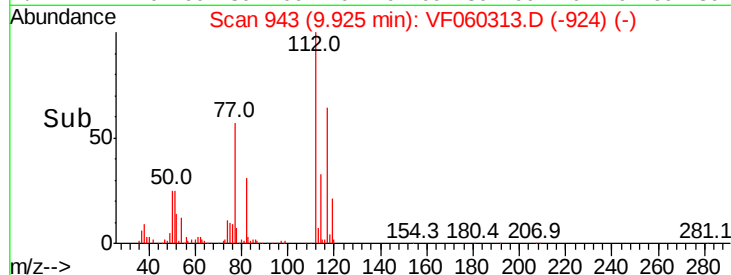
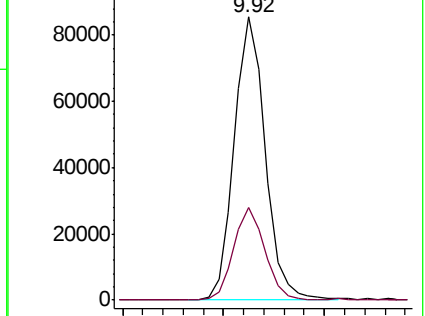
112 100

114 32.6 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.683 ug/l

RT: 10.05 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

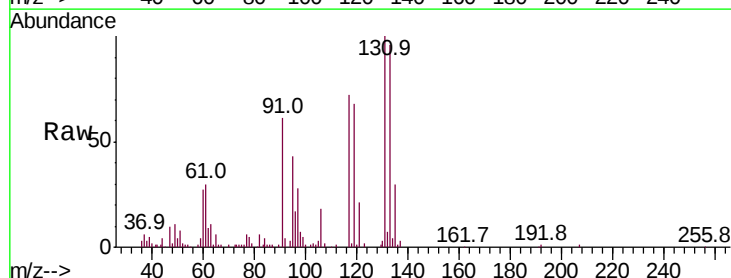
Tgt Ion:131 Resp: 77701

Ion Ratio Lower Upper

131 100

133 96.5 50.4 151.2

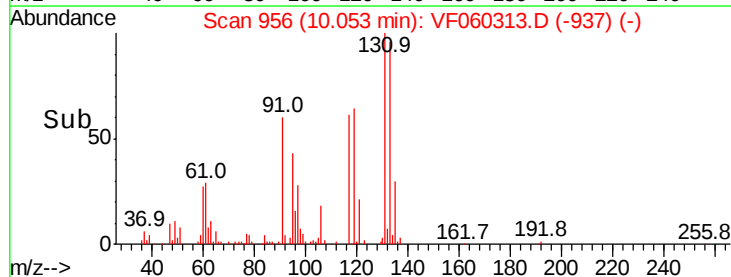
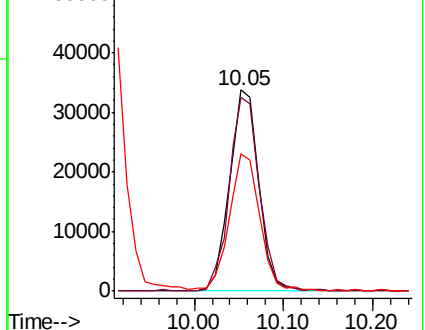
119 68.1 34.8 104.3

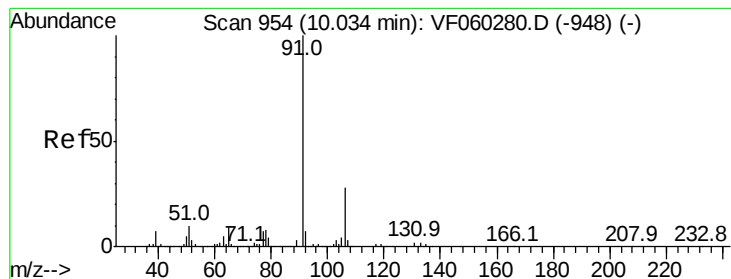


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.162 ug/l

RT: 10.02 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

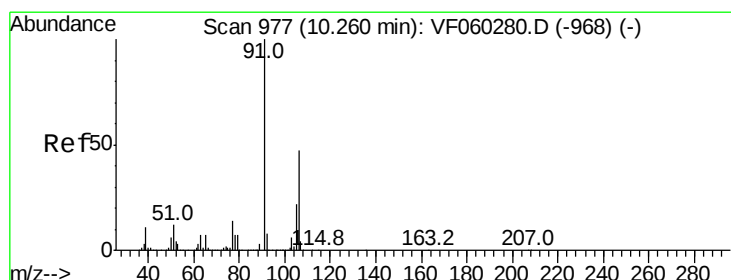
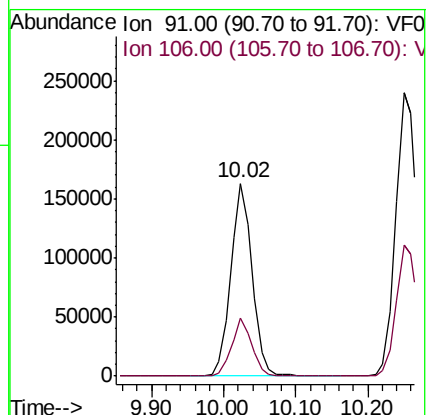
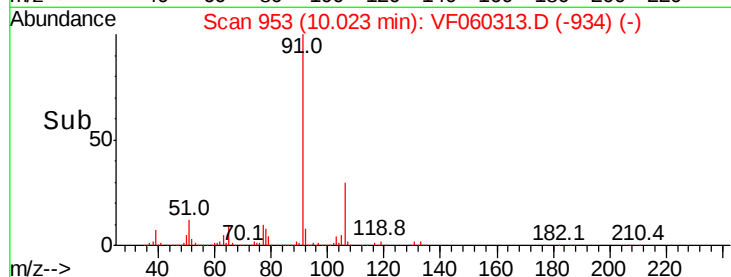
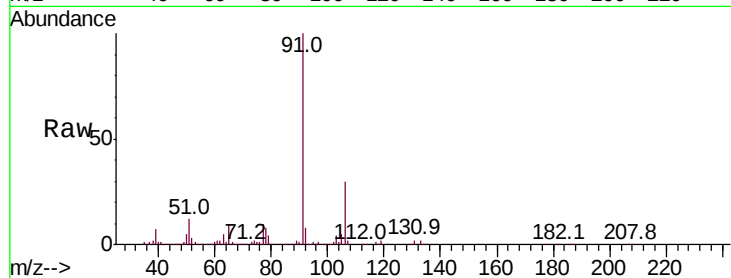
VF0921SBS01

Tot Ion: 91 Resp: 337855

Ion Ratio Lower Upper

91 100

106 30.1 22.7 34.1



#68

m/p-Xylenes

Concen: 42.298 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060313.D

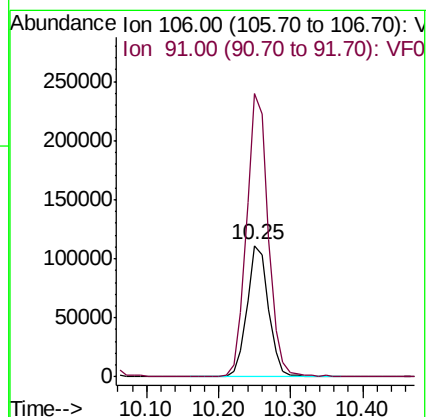
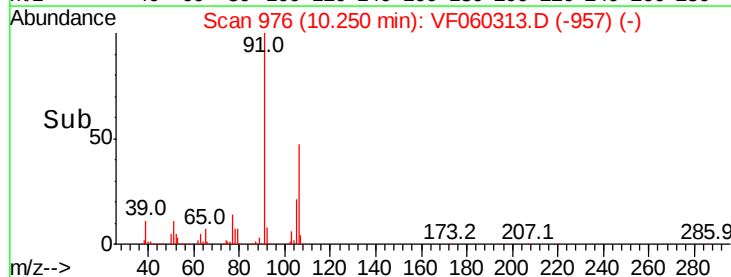
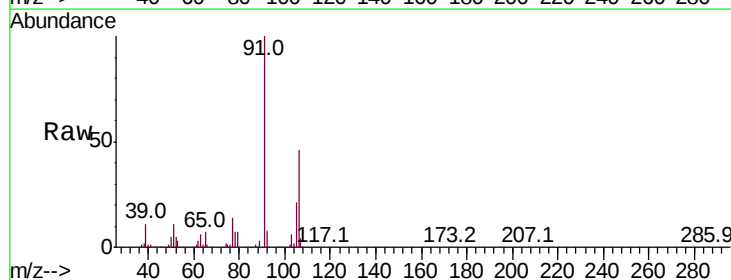
Acq: 21 Sep 2018 13:46

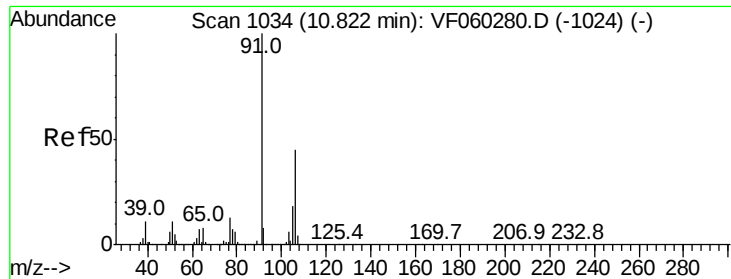
Tgt Ion:106 Resp: 233310

Ion Ratio Lower Upper

106 100

91 215.1 172.3 258.5

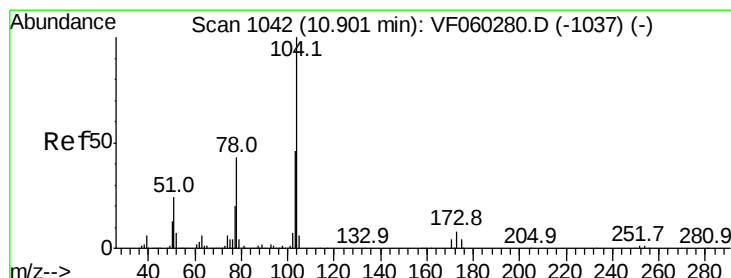
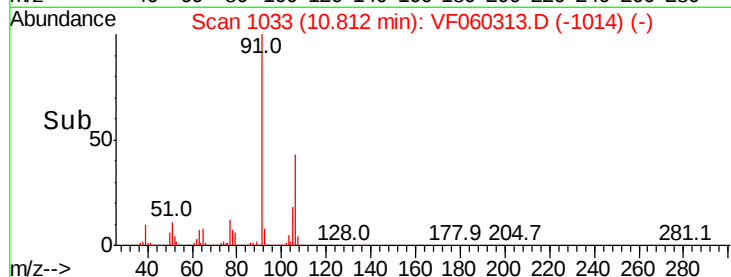
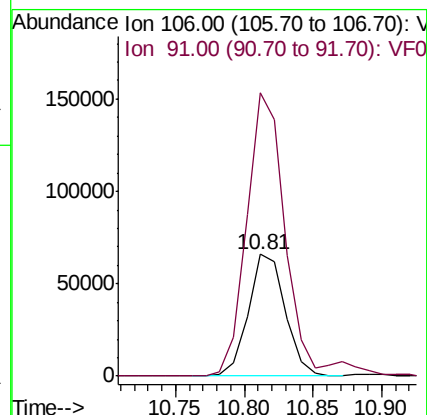
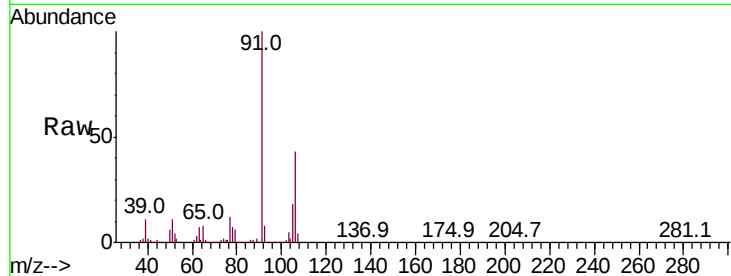




#69
o-Xylene
Concen: 20.057 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

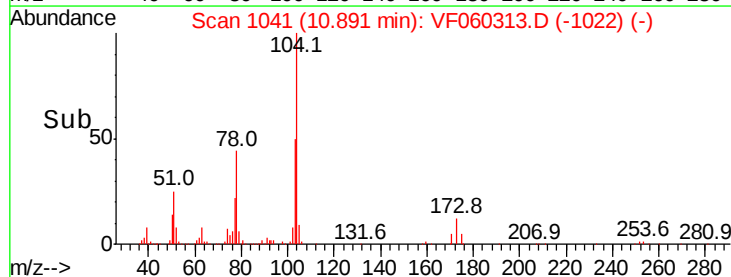
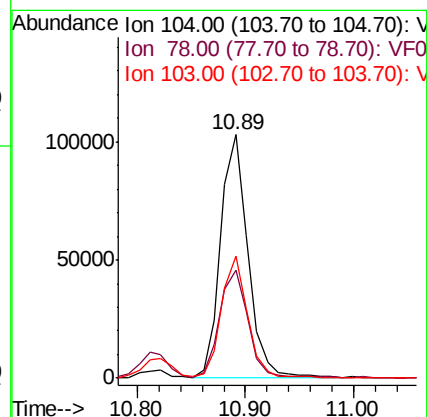
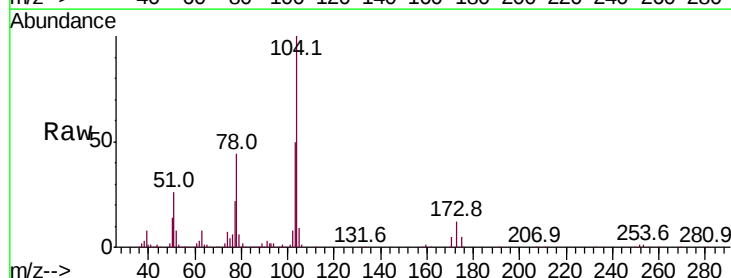
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

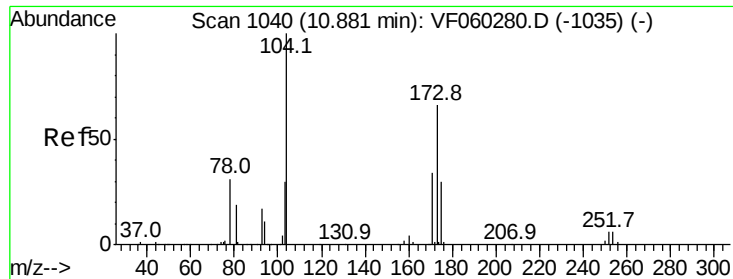
Tot Ion:106 Resp: 124088
Ion Ratio Lower Upper
106 100
91 232.4 110.9 332.6



#70
Styrene
Concen: 20.621 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion:104 Resp: 179915
Ion Ratio Lower Upper
104 100
78 44.2 35.0 52.6
103 50.2 37.4 56.0





#71

Bromoform

Concen: 21.763 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

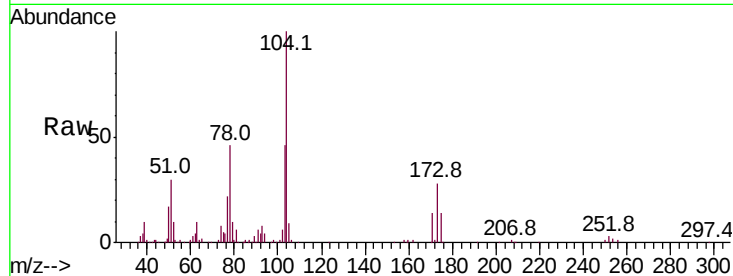
Tot Ion:173 Resp: 42831

Ion Ratio Lower Upper

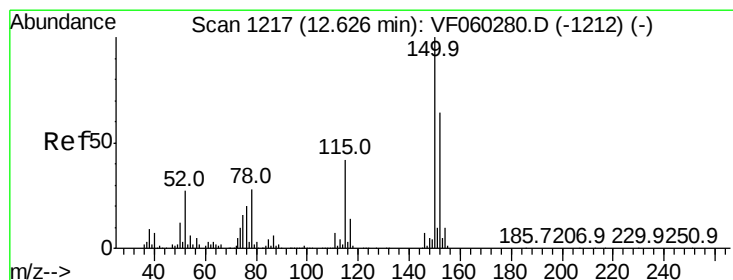
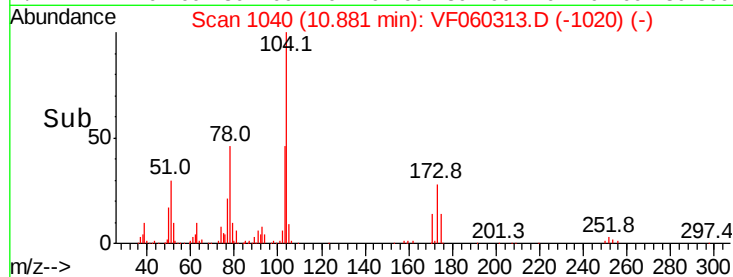
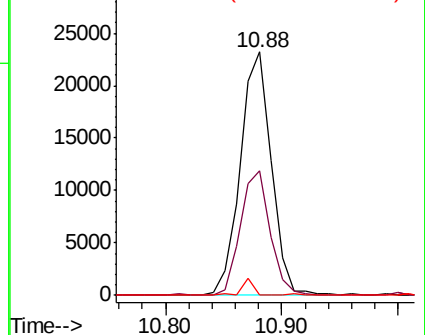
173 100

175 51.1 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: VF060313.D

Acq: 21 Sep 2018 13:46

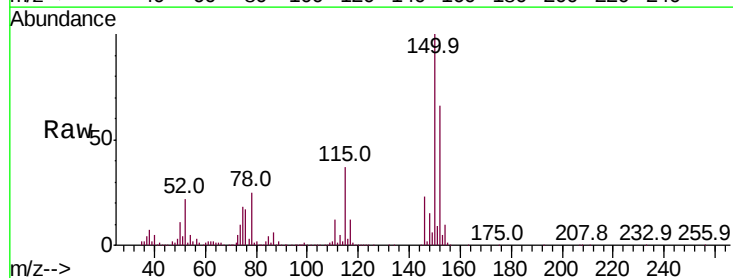
Tgt Ion:152 Resp: 207333

Ion Ratio Lower Upper

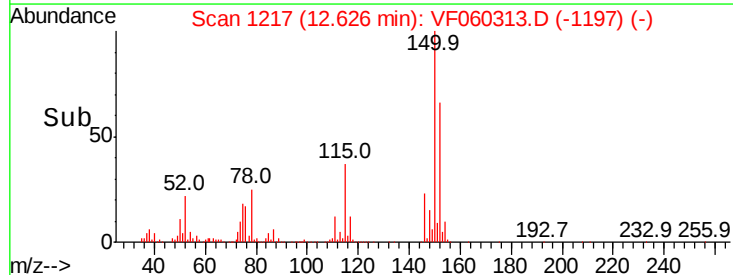
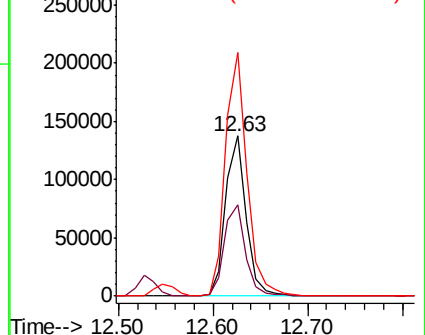
152 100

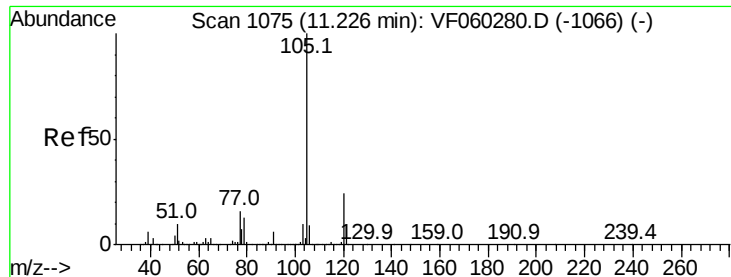
115 56.7 32.6 97.8

150 152.1 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: 21.169 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

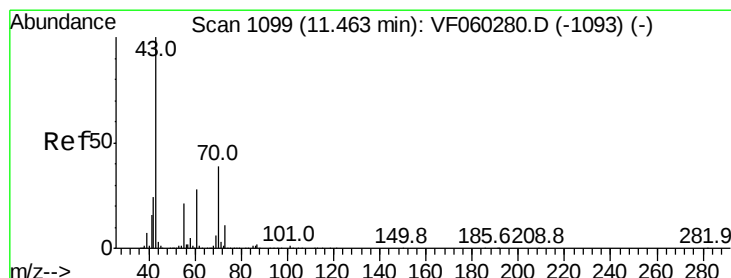
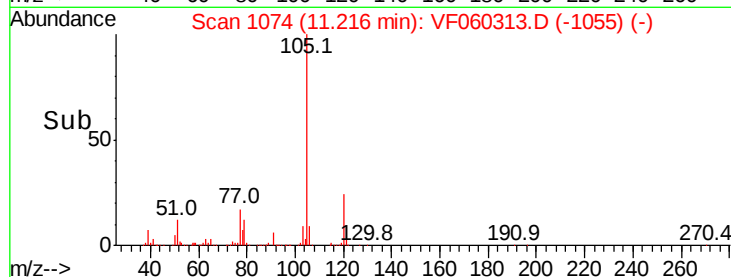
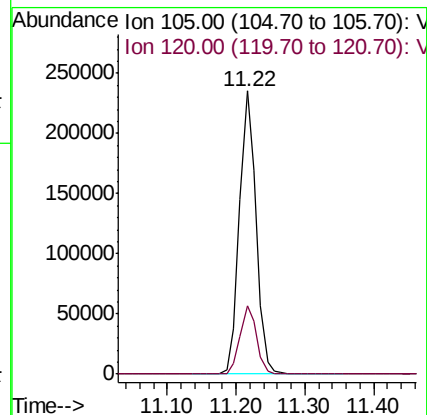
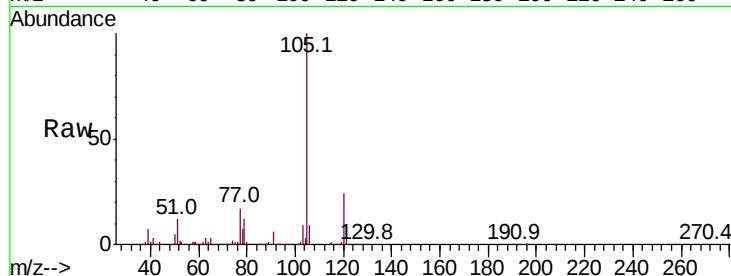
VF0921SBS01

Tot Ion:105 Resp: 394021

Ion Ratio Lower Upper

105 100

120 24.3 12.2 36.6



#74

N-ethyl acetate

Concen: 19.995 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion: 43 Resp: 79361

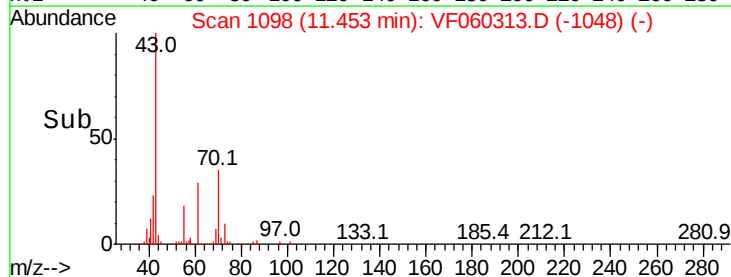
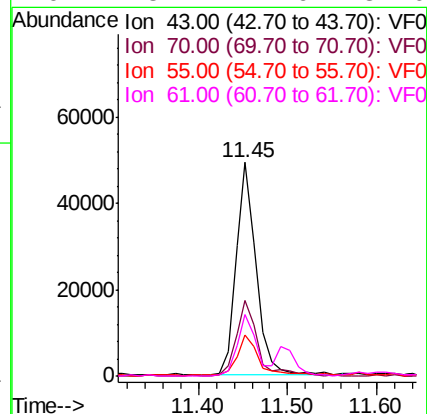
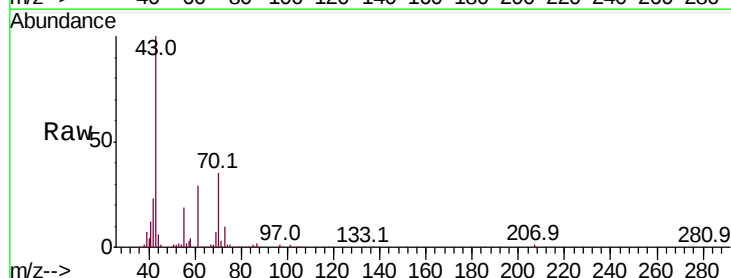
Ion Ratio Lower Upper

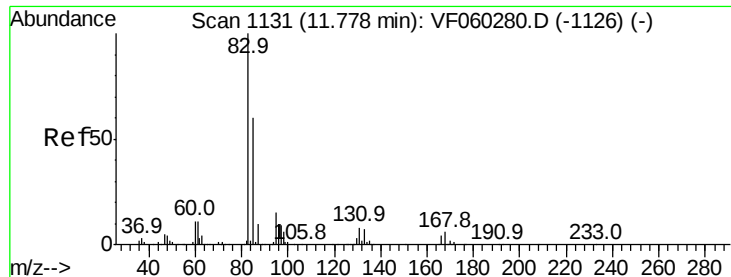
43 100

70 35.1 31.4 47.2

55 19.0 16.8 25.2

61 28.7 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.255 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

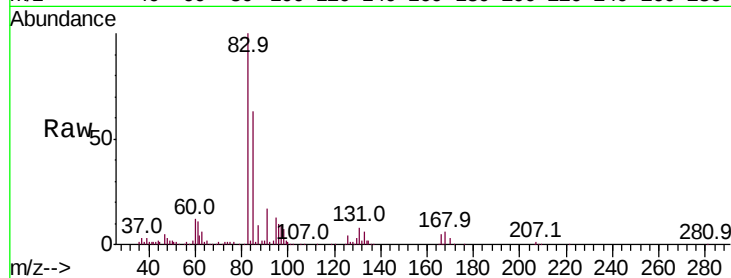
Tot Ion: 83 Resp: 73411

Ion Ratio Lower Upper

83 100

131 8.2 4.2 12.4

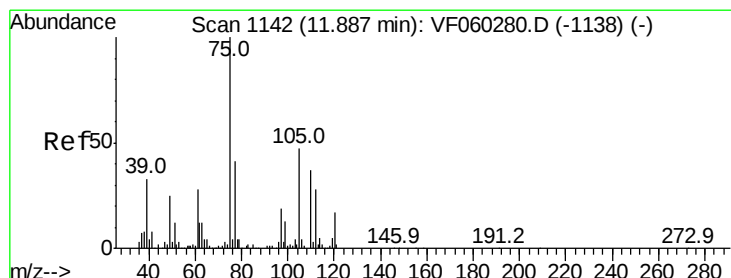
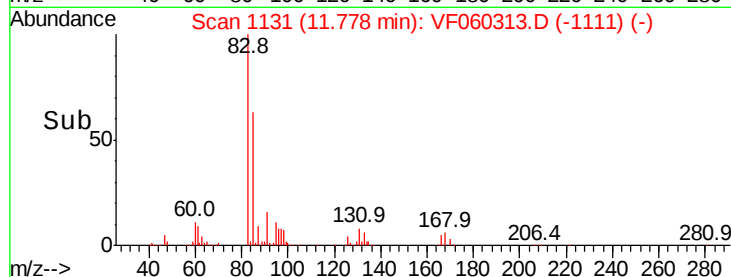
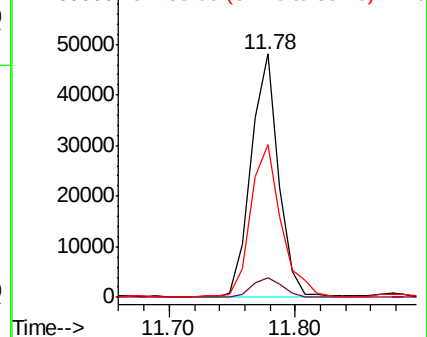
85 62.8 30.1 90.5



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: 21.265 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060313.D

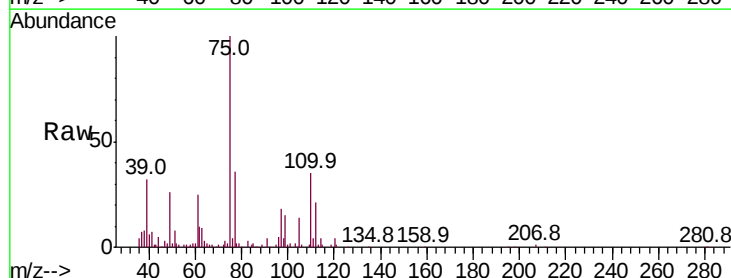
Acq: 21 Sep 2018 13:46

Tgt Ion: 75 Resp: 50224

Ion Ratio Lower Upper

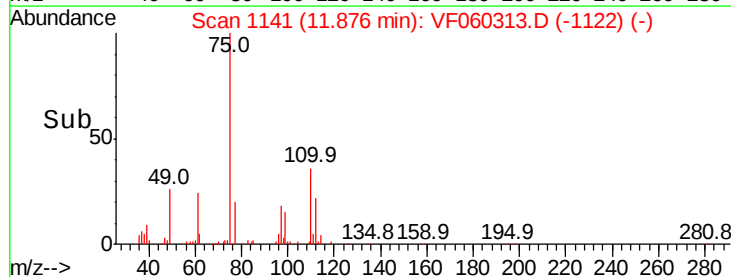
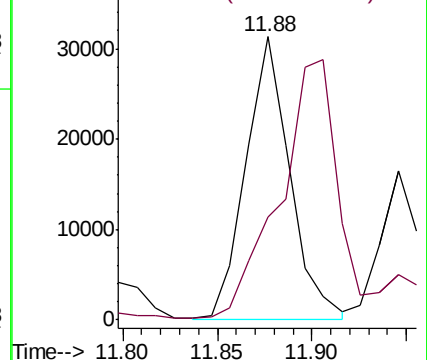
75 100

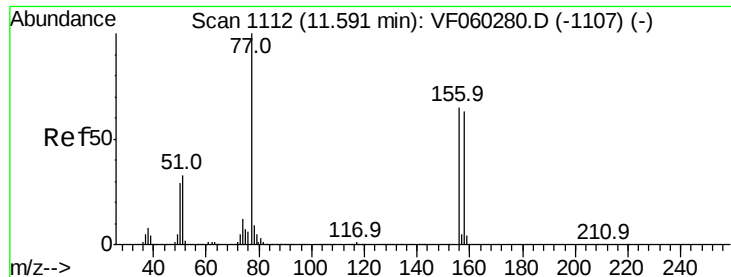
77 36.2 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.084 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

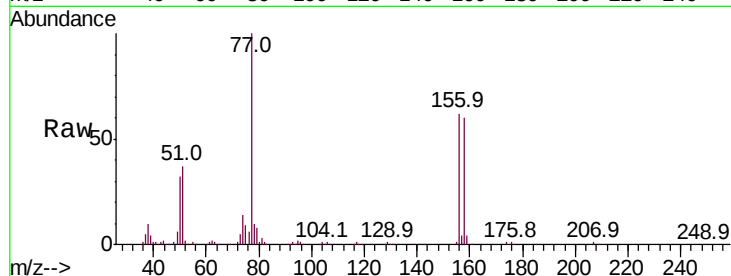
Tot Ion:156 Resp: 80564

Ion Ratio Lower Upper

156 100

77 162.4 77.3 232.1

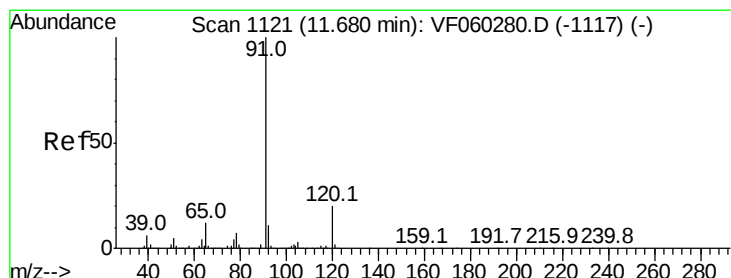
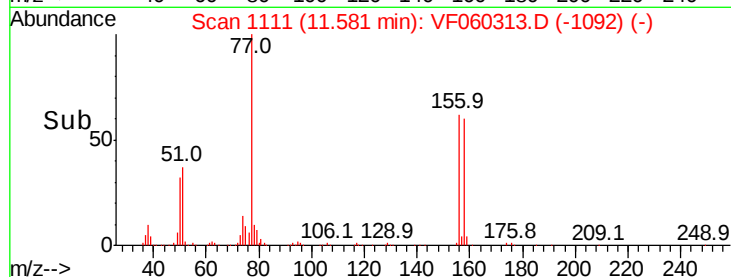
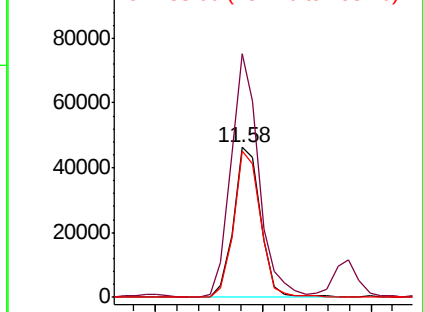
158 97.7 48.4 145.2



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: 20.111 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060313.D

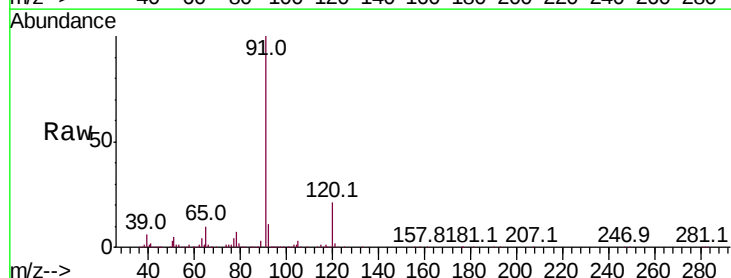
Acq: 21 Sep 2018 13:46

Tgt Ion: 91 Resp: 460418

Ion Ratio Lower Upper

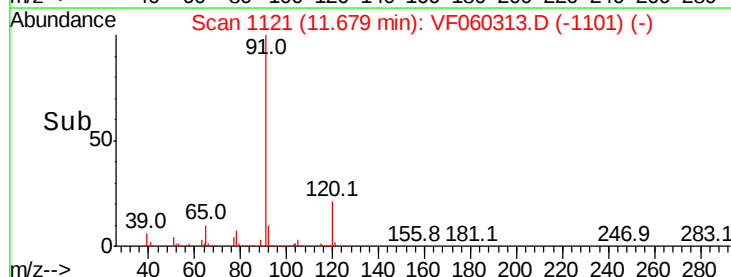
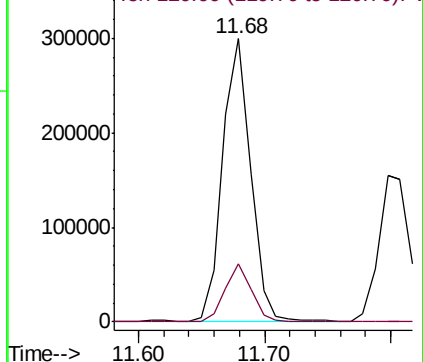
91 100

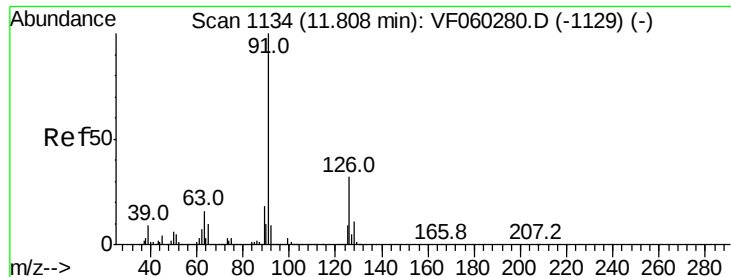
120 20.6 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.757 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

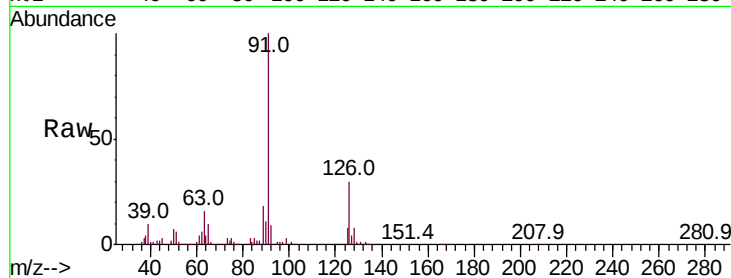
VF0921SBS01

Tot Ion: 91 Resp: 260612

Ion Ratio Lower Upper

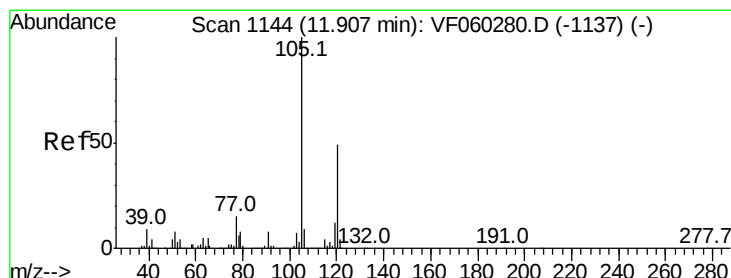
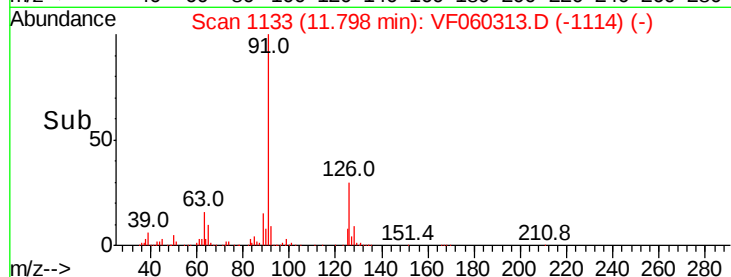
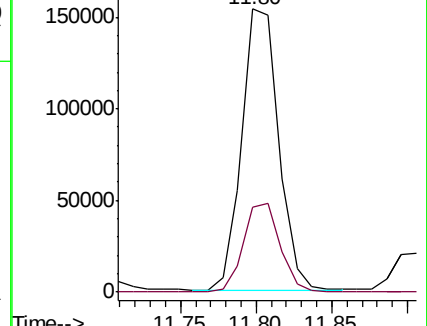
91 100

126 30.2 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.180 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060313.D

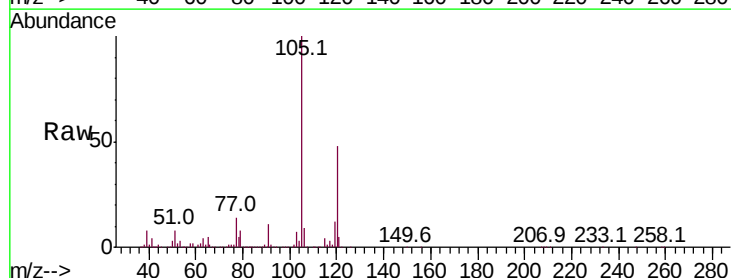
Acq: 21 Sep 2018 13:46

Tgt Ion:105 Resp: 317326

Ion Ratio Lower Upper

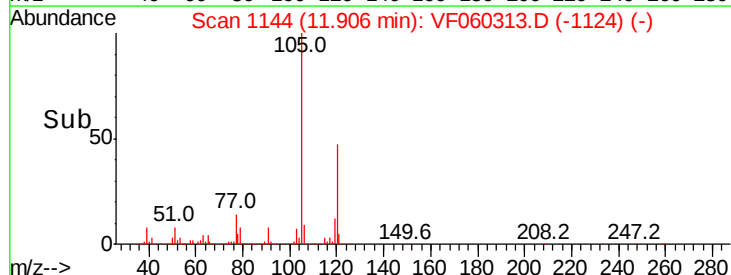
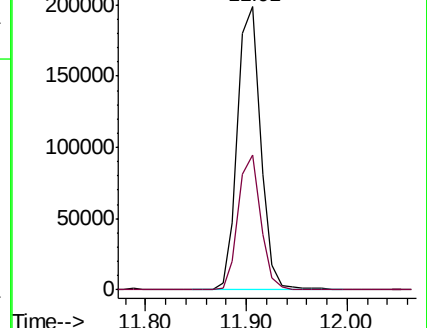
105 100

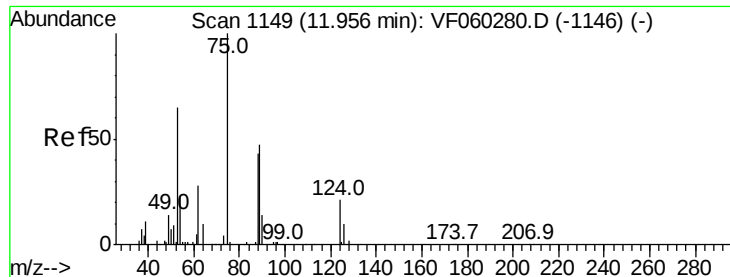
120 47.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 27.705 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

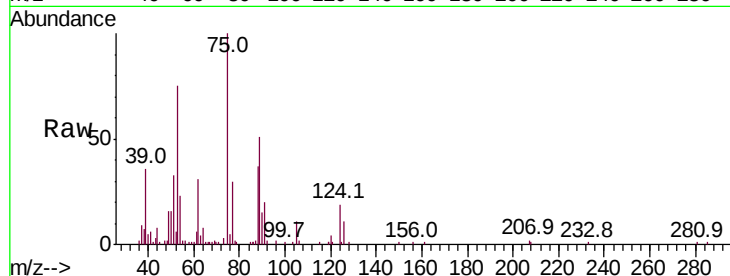
Tot Ion: 75 Resp: 34581

Ion Ratio Lower Upper

75 100

53 74.7 56.5 84.7

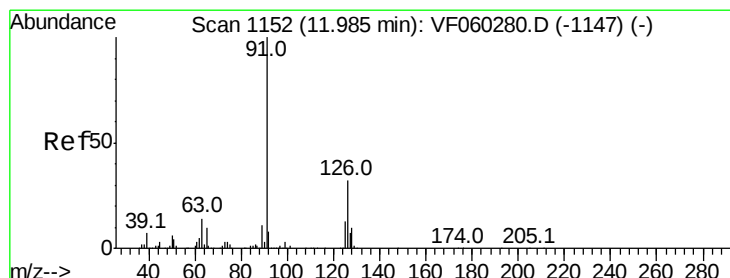
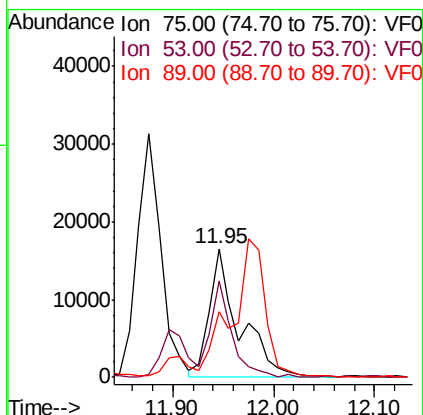
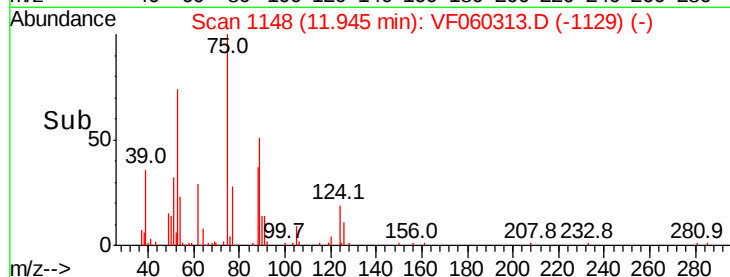
89 50.9 40.6 60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 20.697 ug/l

RT: 11.97 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060313.D

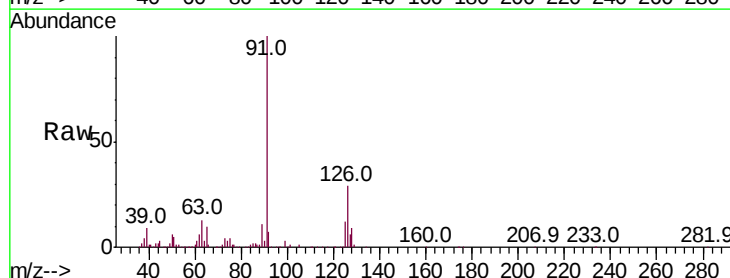
Acq: 21 Sep 2018 13:46

Tgt Ion: 91 Resp: 261182

Ion Ratio Lower Upper

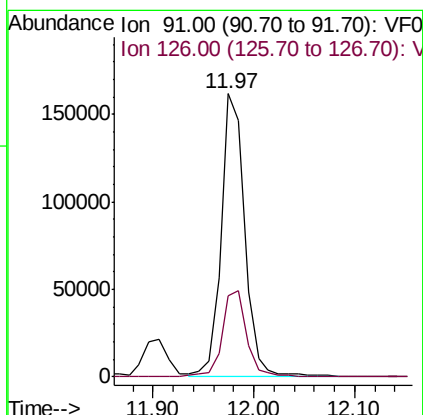
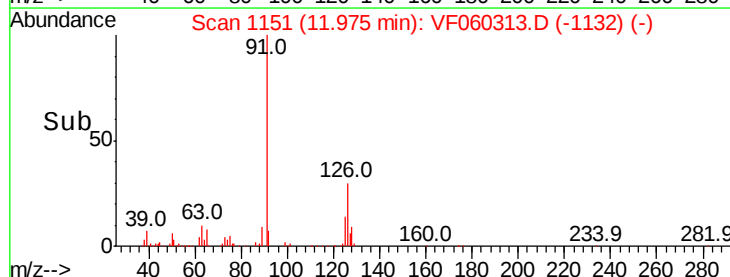
91 100

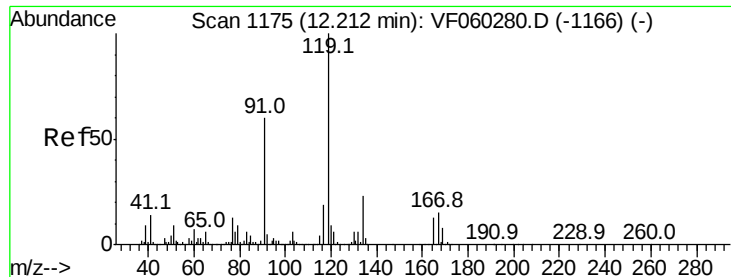
126 28.6 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 21.452 ug/l

RT: 12.20 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

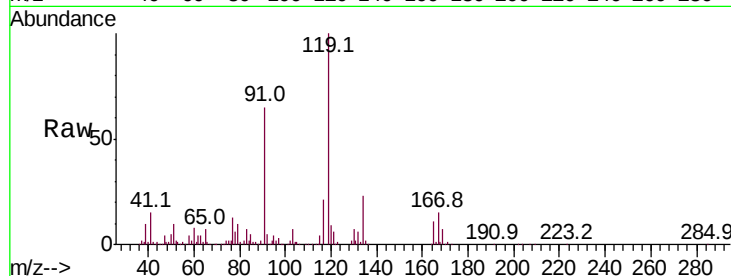
Tot Ion:119 Resp: 325823

Ion Ratio Lower Upper

119 100

91 65.0 30.3 91.0

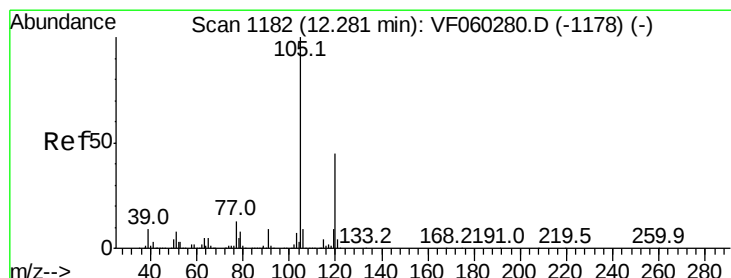
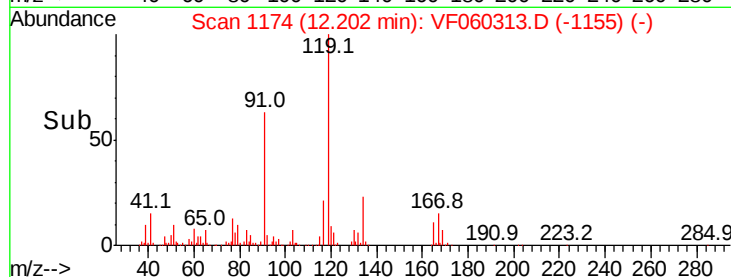
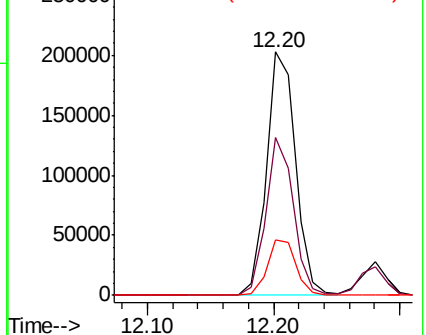
134 23.0 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.649 ug/l

RT: 12.28 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VF060313.D

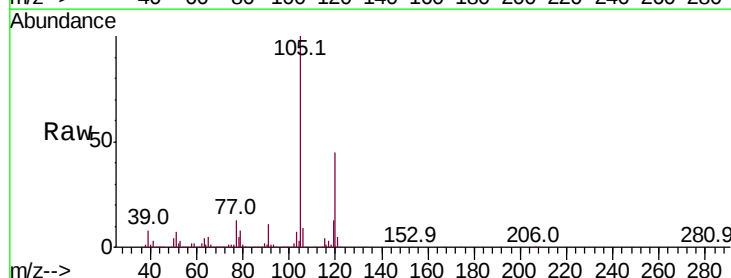
Acq: 21 Sep 2018 13:46

Tgt Ion:105 Resp: 314152

Ion Ratio Lower Upper

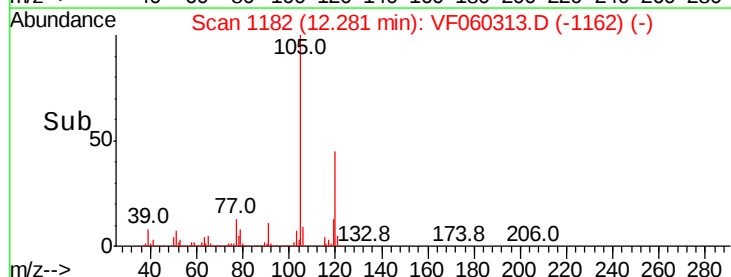
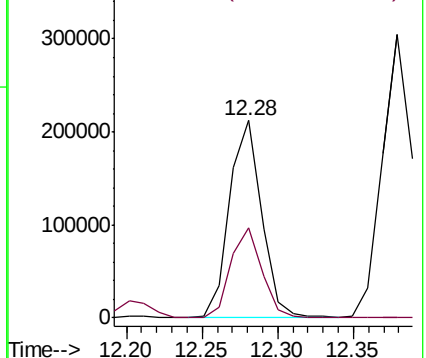
105 100

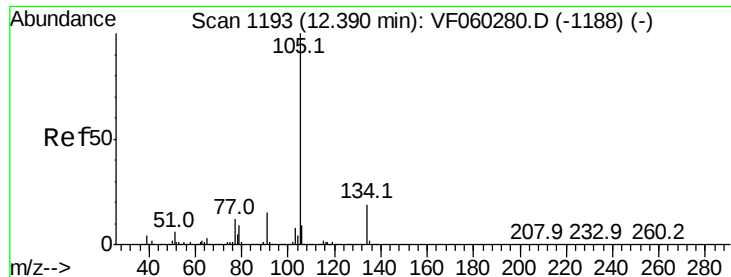
120 45.4 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

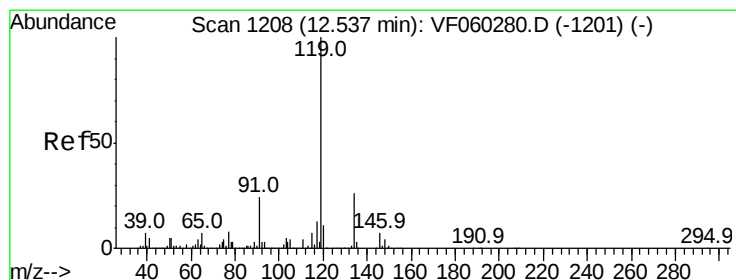
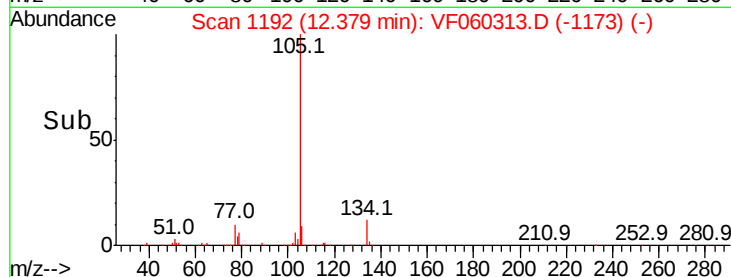
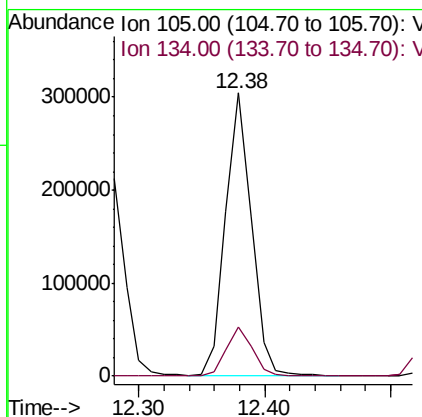
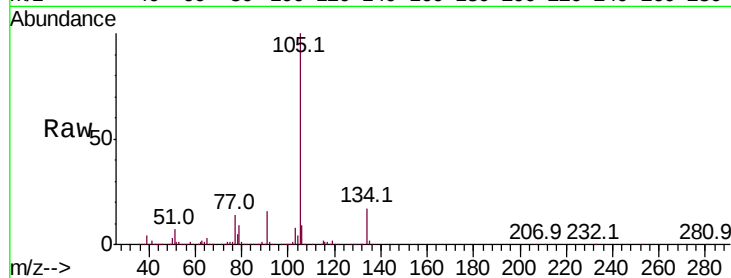




#85
 sec-Butylbenzene
 Concen: 19.444 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

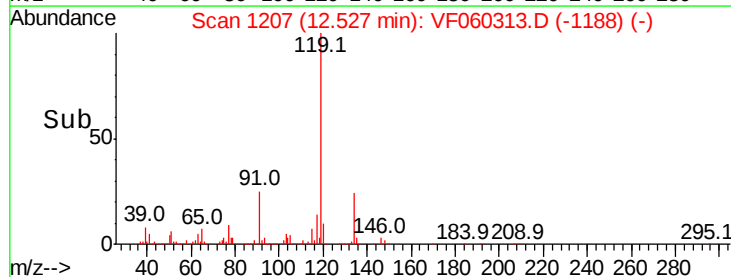
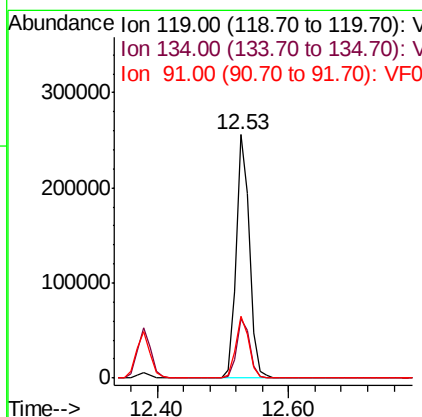
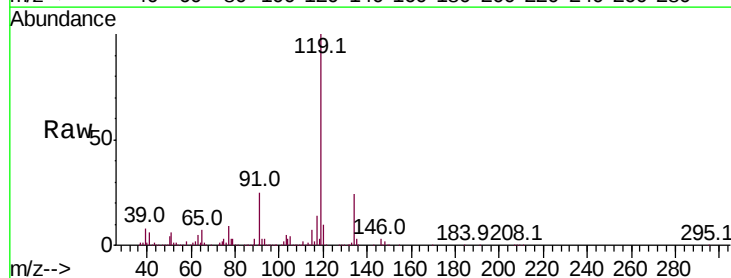
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

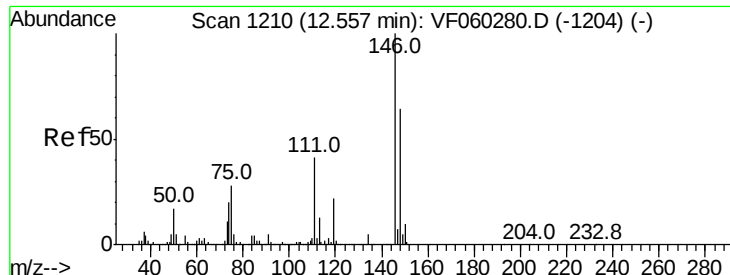
Tot Ion:105 Resp: 434197
 Ion Ratio Lower Upper
 105 100
 134 17.5 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 21.088 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Tgt Ion:119 Resp: 362731
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.9 38.7
 91 25.5 11.9 35.7

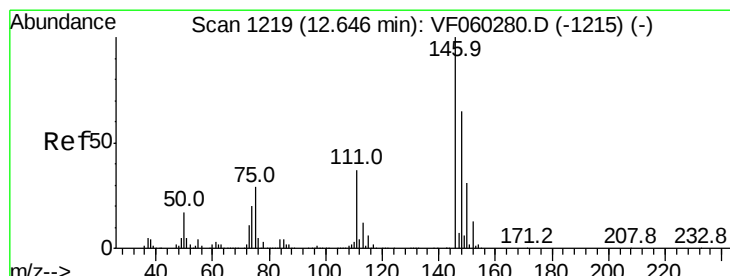
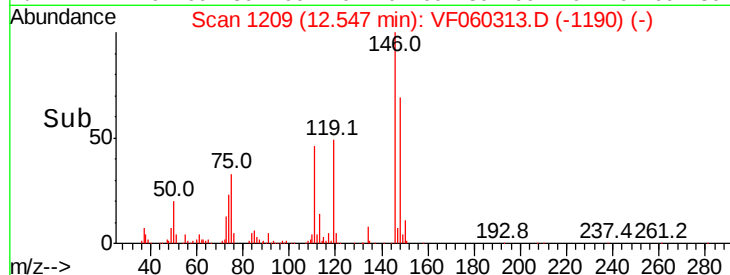
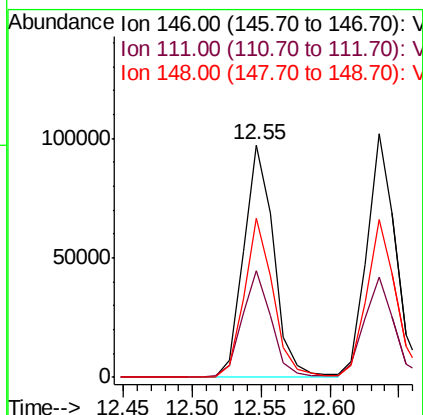
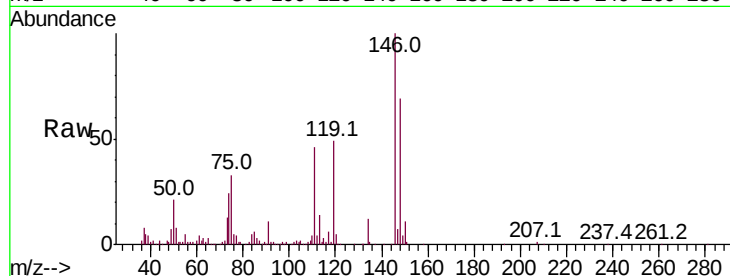




#87
 1,3-Dichlorobenzene
 Concen: 19.878 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

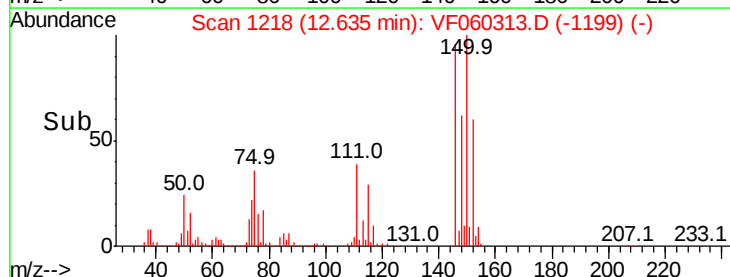
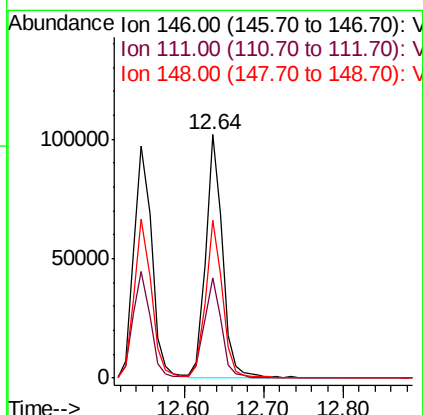
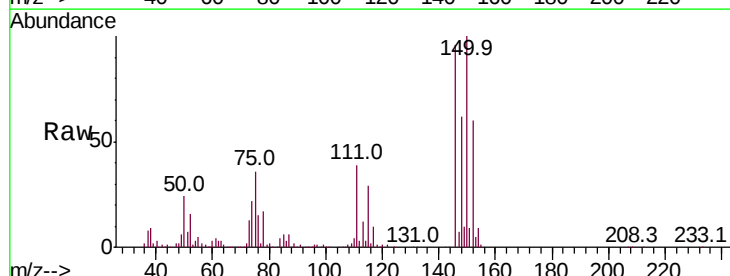
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

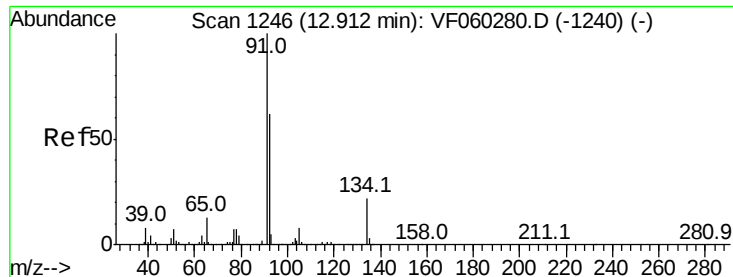
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.5	61.6
148	68.8	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.366 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.7	56.1
148	65.0	32.4	97.0

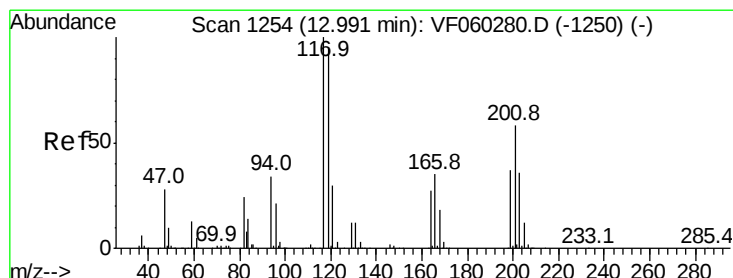
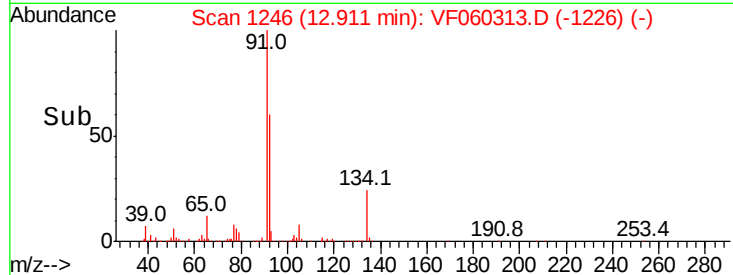
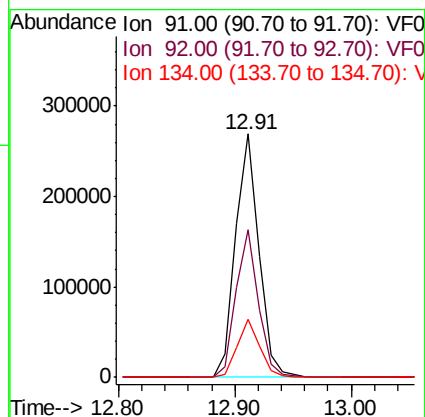
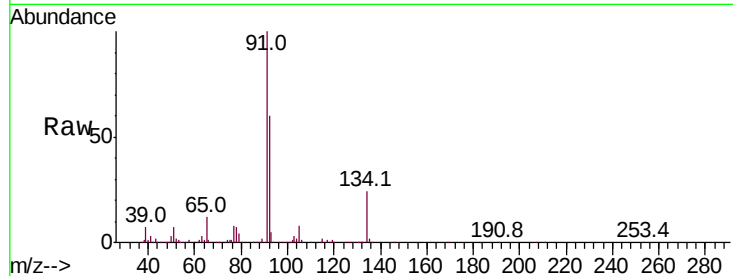




#89
n-Butylbenzene
Concen: 20.142 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

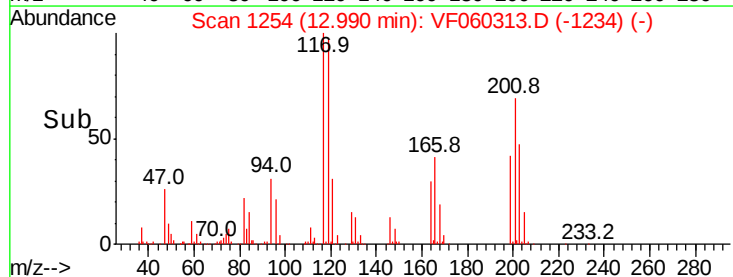
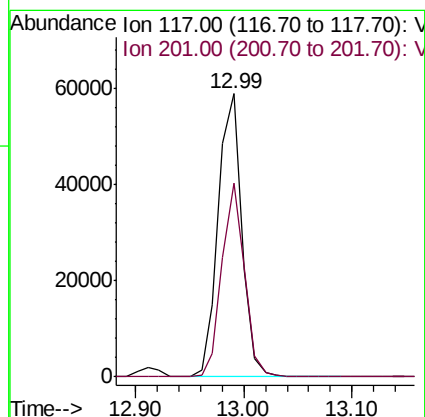
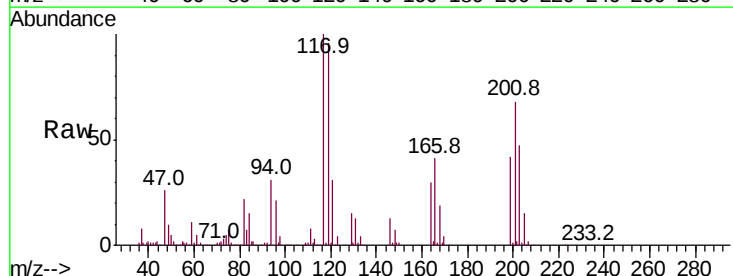
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

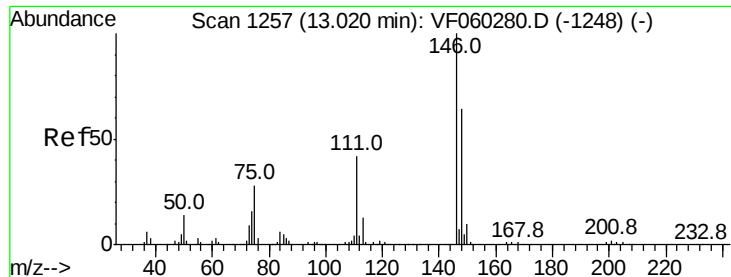
Tot Ion: 91 Resp: 375591
Ion Ratio Lower Upper
91 100
92 60.4 31.1 93.5
134 23.7 11.0 33.0



#90
Hexachloroethane
Concen: 21.106 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion: 117 Resp: 89700
Ion Ratio Lower Upper
117 100
201 68.4 29.0 87.0





#91

1,2-Dichlorobenzene

Concen: 21.363 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampled :

VF0921SBS01

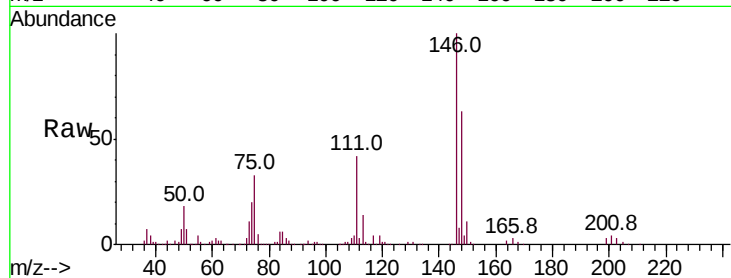
Tot Ion:146 Resp: 152753

Ion Ratio Lower Upper

146 100

111 42.5 20.9 62.8

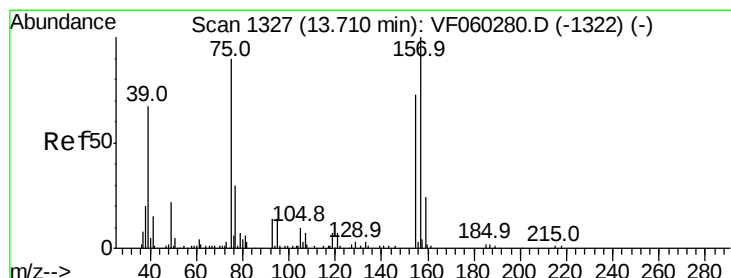
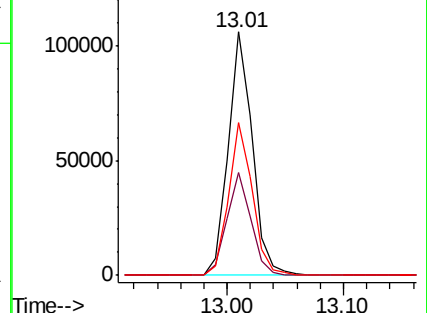
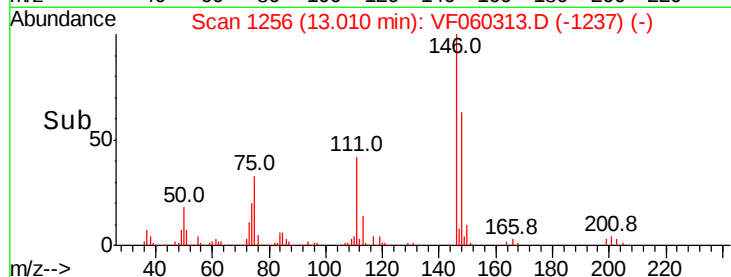
148 62.5 31.9 95.9



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: 20.855 ug/l

RT: 13.70 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

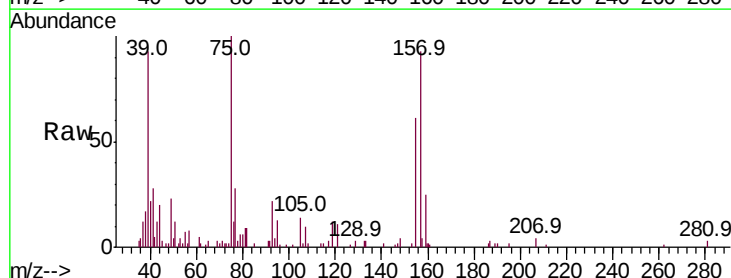
Tgt Ion: 75 Resp: 12916

Ion Ratio Lower Upper

75 100

155 60.7 41.9 125.7

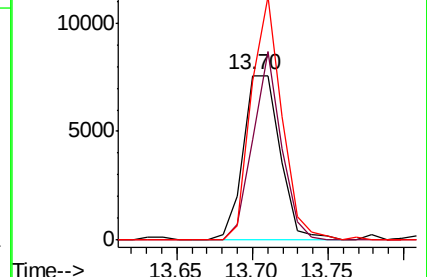
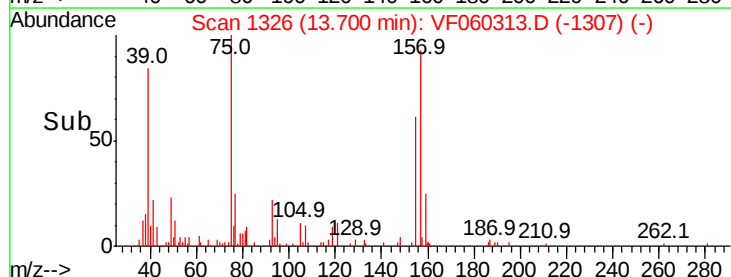
157 96.5 57.4 172.0

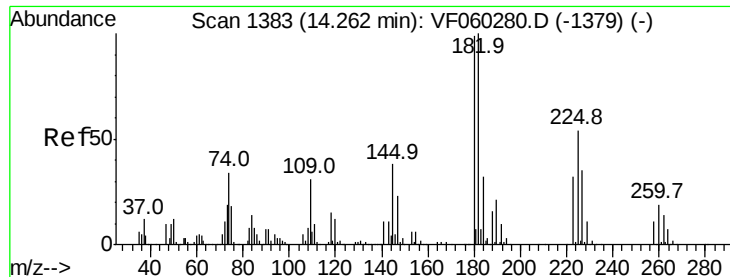


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

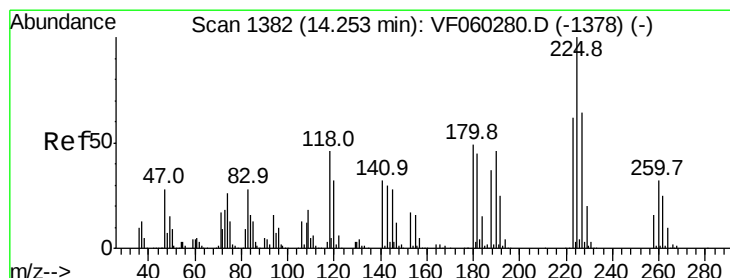
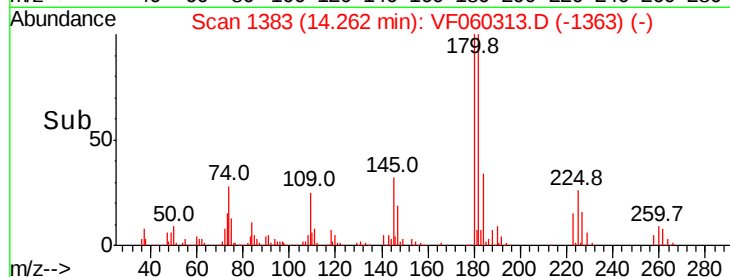
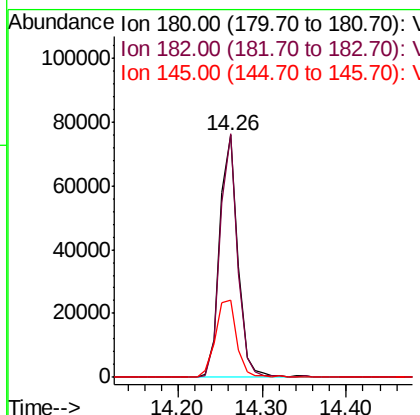
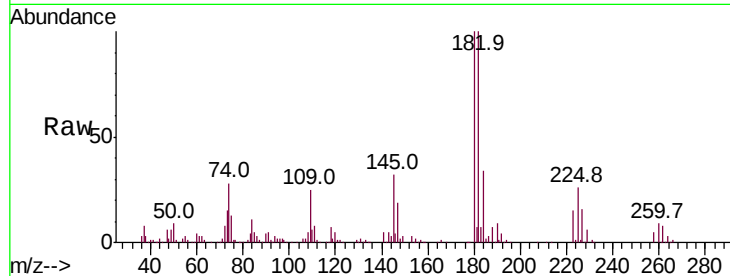




#93
 1,2,4-Trichlorobenzene
 Concen: 21.968 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

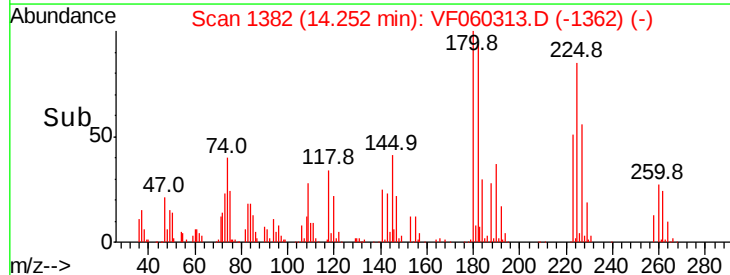
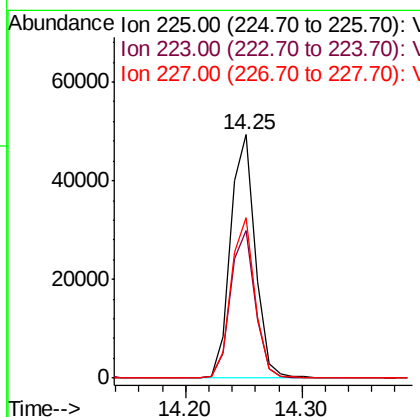
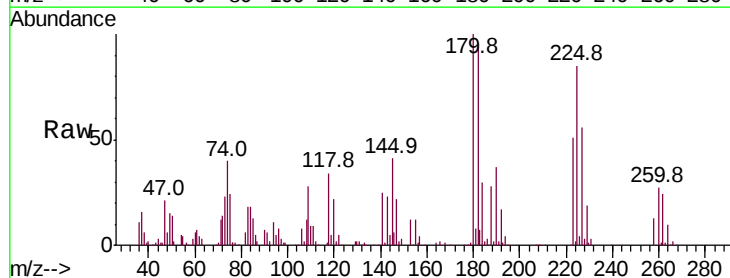
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

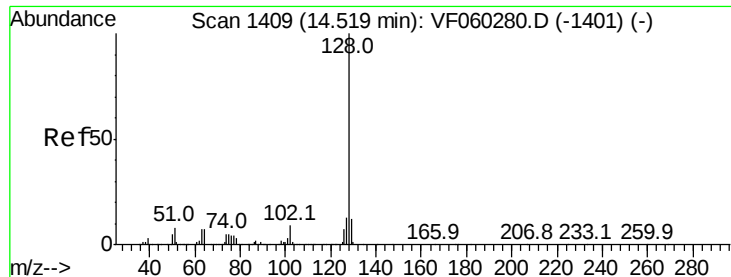
Tot Ion:180 Resp: 114170
 Ion Ratio Lower Upper
 180 100
 182 100.5 50.3 151.0
 145 31.9 18.9 56.9



#94
 Hexachlorobutadiene
 Concen: 20.621 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Tgt Ion:225 Resp: 72449
 Ion Ratio Lower Upper
 225 100
 223 60.5 31.2 93.6
 227 66.0 32.2 96.6





#95

Naphthalene

Concen: 19.846 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

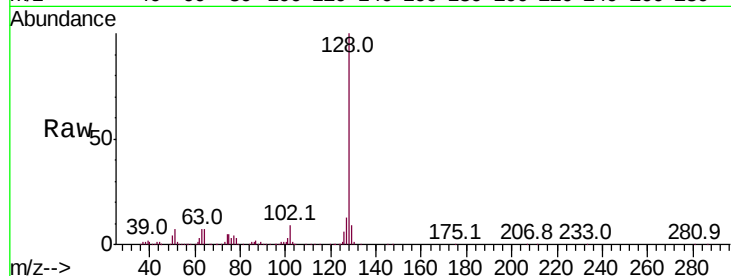
Tot Ion:128 Resp: 180835

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

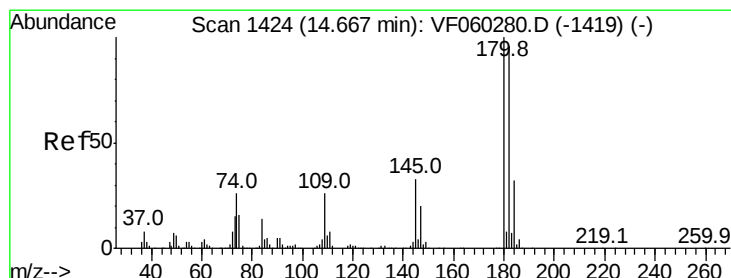
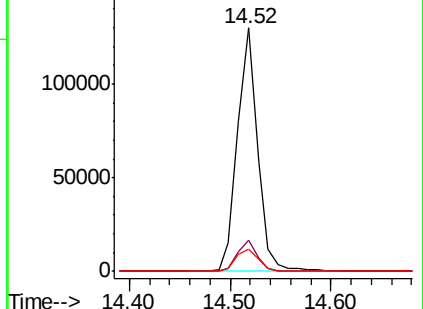
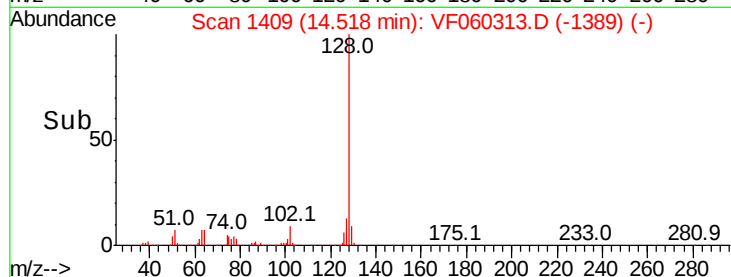
129 9.3 9.8 14.8#



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: 21.212 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

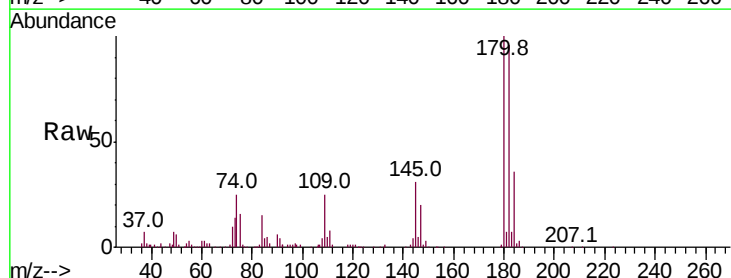
Tgt Ion:180 Resp: 101868

Ion Ratio Lower Upper

180 100

182 95.6 47.8 143.4

145 31.1 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

