

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031319\
 Data File : VF061928.D
 Acq On : 13 Mar 2019 15:29
 Operator : VA/AP
 Sample : VF0313SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

Quant Time: Mar 14 01:15:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	297240	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	478357	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	389998	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	211734	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	122193	56.45	ug/l	-0.03
Spiked Amount			Recovery	=	112.90%	
35) Dibromofluoromethane	4.09	113	174513	52.28	ug/l	-0.03
Spiked Amount			Recovery	=	104.56%	
50) Toluene-d8	7.54	98	502327	50.63	ug/l	-0.03
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.40	95	200365	51.55	ug/l	-0.02
Spiked Amount			Recovery	=	103.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	88529	24.260	ug/l	94
3) Chloromethane	1.10	50	88713	25.084	ug/l	95
4) Vinyl Chloride	1.14	62	82781	24.657	ug/l	99
5) Bromomethane	1.31	94	54320	23.741	ug/l	94
6) Chloroethane	1.38	64	39978	25.051	ug/l	96
7) Trichlorofluoromethane	1.48	101	102537	25.007	ug/l	96
8) Diethyl Ether	1.63	74	22213	23.822	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	70731	25.402	ug/l	97
10) Methyl Iodide	1.90	142	99755	18.826	ug/l	95
11) Tert butyl alcohol	2.57	59	15053	122.519	ug/l	94
12) 1,1-Dichloroethene	1.79	96	64296	25.292	ug/l	95
13) Acrolein	1.99	56	16457	105.710	ug/l	93
14) Allyl chloride	2.08	41	81613	29.141	ug/l	95
15) Acrylonitrile	2.93	53	49588	126.750	ug/l	95
16) Acetone	2.22	43	57145	126.029	ug/l	92
17) Carbon Disulfide	1.81	76	141160	17.839	ug/l	98
18) Methyl Acetate	2.33	43	24419	27.546	ug/l	92
19) Methyl tert-butyl Ether	2.42	73	100550	23.382	ug/l	98
20) Methylene Chloride	2.17	84	25962	5.635	ug/l	94
21) trans-1,2-Dichloroethene	2.30	96	65276	27.283	ug/l	88
22) Diisopropyl ether	2.79	45	191156	26.240	ug/l	97
23) Vinyl Acetate	3.18	43	369968	113.680	ug/l	99
24) 1,1-Dichloroethane	2.86	63	111385	25.580	ug/l	97
25) 2-Butanone	4.32	43	115646	125.387	ug/l	99
26) 2,2-Dichloropropane	3.58	77	52092	26.799	ug/l	96
27) cis-1,2-Dichloroethene	3.46	96	81692	24.645	ug/l	95
28) Bromochloromethane	3.70	49	46264	24.374	ug/l #	96
29) Tetrahydrofuran	4.05	42	44143	110.977	ug/l	99
30) Chloroform	3.84	83	118510	23.828	ug/l	92
31) Cyclohexane	3.68	56	116456	25.534	ug/l	88
32) 1,1,1-Trichloroethane	4.07	97	83037	27.086	ug/l	95
36) 1,1-Dichloropropene	4.26	75	99393	21.996	ug/l	93
37) Ethyl Acetate	4.08	43	41025	21.631	ug/l #	83
38) Carbon Tetrachloride	3.98	117	73999	23.134	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031319\
 Data File : VF061928.D
 Acq On : 13 Mar 2019 15:29
 Operator : VA/AP
 Sample : VF0313SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

Quant Time: Mar 14 01:15:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	125434	23.502	ug/l	98
40) Benzene	4.62	78	265182	22.452	ug/l	99
41) Methacrylonitrile	4.73	41	22370	21.528	ug/l #	92
42) 1,2-Dichloroethane	4.92	62	61364	20.848	ug/l	96
43) Isopropyl Acetate	6.94	43	47413	20.280	ug/l	99
44) Trichloroethene	5.48	130	83486	22.745	ug/l	96
45) 1,2-Dichloropropane	6.22	63	62142	22.126	ug/l	90
46) Dibromomethane	6.07	93	37359	21.135	ug/l	96
47) Bromodichloromethane	6.37	83	86399	22.125	ug/l	98
48) Methyl methacrylate	6.70	41	29796	20.138	ug/l	94
49) 1,4-Dioxane	6.70	88	5052	373.512	ug/l #	68
51) 4-Methyl-2-Pentanone	8.25	43	178102	110.225	ug/l	96
52) Toluene	7.60	92	145887	20.879	ug/l	94
53) t-1,3-Dichloropropene	8.27	75	71367	22.140	ug/l	90
54) cis-1,3-Dichloropropene	7.29	75	93160	20.953	ug/l	95
55) 1,1,2-Trichloroethane	8.47	97	42517	21.119	ug/l	97
56) Ethyl methacrylate	8.60	69	48002	21.157	ug/l	95
57) 1,3-Dichloropropane	8.84	76	69244	21.032	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.28	63	42297	117.848	ug/l	96
59) 2-Hexanone	9.48	43	127319	109.224	ug/l	98
60) Dibromochloromethane	8.70	129	58256	20.303	ug/l	99
61) 1,2-Dibromoethane	8.97	107	46105	20.826	ug/l	97
64) Tetrachloroethene	8.14	164	71060	23.713	ug/l	94
65) Chlorobenzene	9.78	112	173012	23.091	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	66621	22.949	ug/l	98
67) Ethyl Benzene	9.88	91	302081	24.324	ug/l	97
68) m/p-Xylenes	10.12	106	221013	46.456	ug/l	99
69) o-Xylene	10.70	106	121467	23.710	ug/l	95
70) Styrene	10.77	104	162830	22.585	ug/l	98
71) Bromoform	10.76	173	32293	21.048	ug/l	96
73) Isopropylbenzene	11.12	105	339725	23.306	ug/l	99
74) N-amyl acetate	11.36	43	79892	23.807	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	54582	22.529	ug/l	89
76) 1,2,3-Trichloropropane	11.79	75	37284	22.548	ug/l	96
77) Bromobenzene	11.48	156	78346	22.333	ug/l	96
78) n-propylbenzene	11.58	91	398997	24.238	ug/l	100
79) 2-Chlorotoluene	11.71	91	216497	23.004	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	275285	23.522	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	22898	30.285	ug/l	97
82) 4-Chlorotoluene	11.88	91	225093	23.383	ug/l	99
83) tert-Butylbenzene	12.12	119	301437	24.256	ug/l	90
84) 1,2,4-Trimethylbenzene	12.19	105	267913	23.352	ug/l	96
85) sec-Butylbenzene	12.30	105	393247	24.317	ug/l	97
86) p-Isopropyltoluene	12.45	119	332587	24.195	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	159820	23.992	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	147372	22.935	ug/l	99
89) n-Butylbenzene	12.83	91	322553	24.553	ug/l	96
90) Hexachloroethane	12.91	117	72515	21.916	ug/l	72
91) 1,2-Dichlorobenzene	12.93	146	142496	22.578	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8440	22.318	ug/l	83

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031319\
Data File : VF061928.D
Acq On : 13 Mar 2019 15:29
Operator : VA/AP
Sample : VF0313SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0313SBSD01

Quant Time: Mar 14 01:15:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

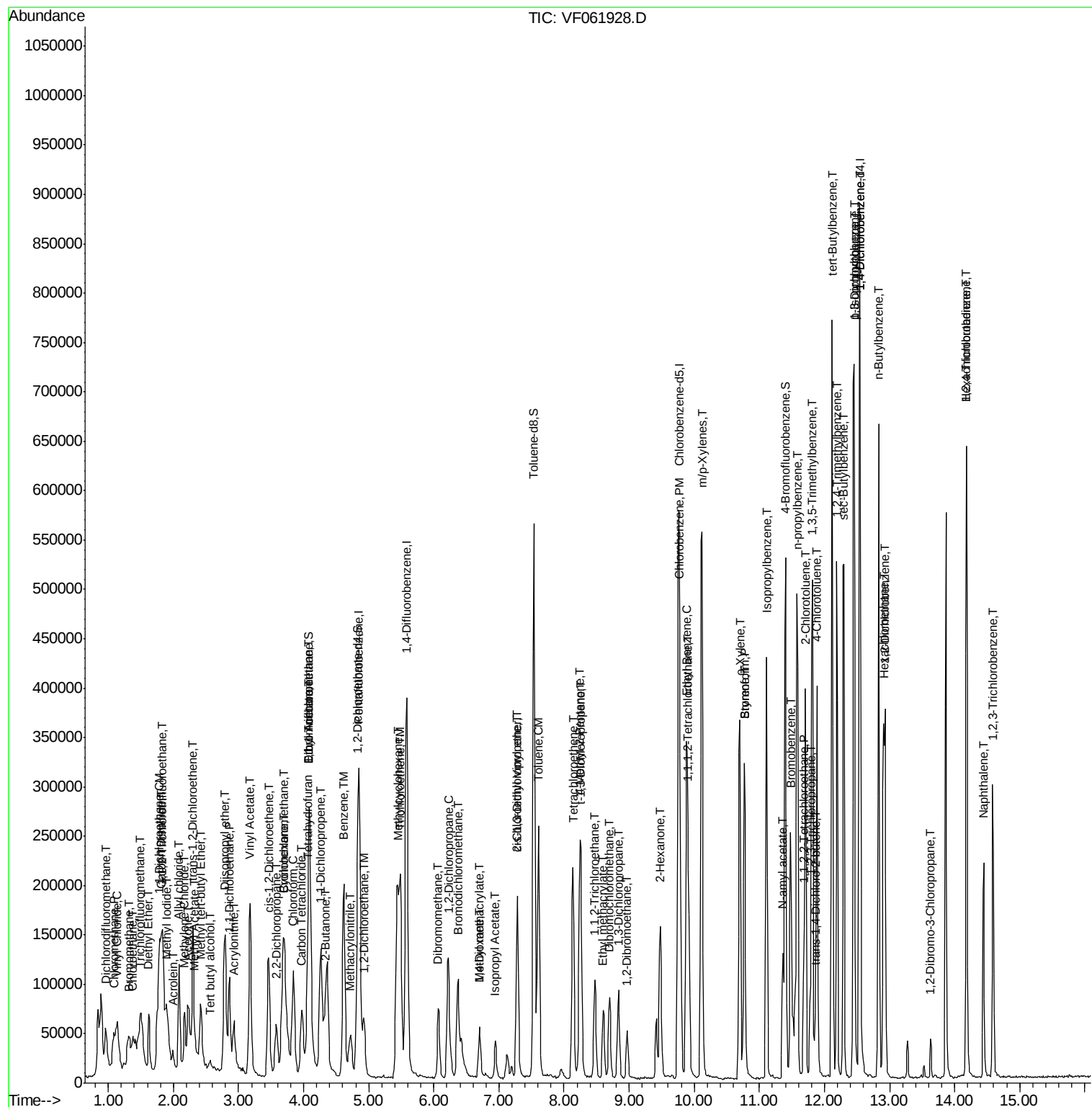
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	103358	23.360	ug/l	97
94) Hexachlorobutadiene	14.18	225	65623	21.424	ug/l	93
95) Naphthalene	14.45	128	165370	20.985	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	89519	21.913	ug/l	94

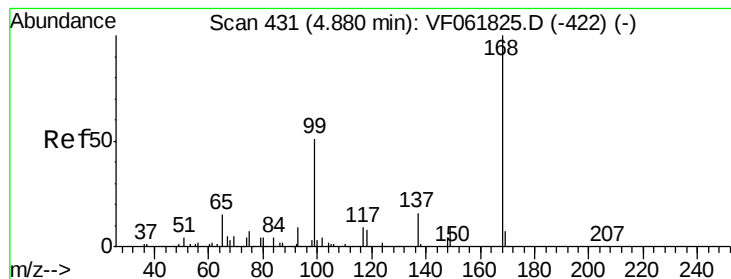
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031319\
Data File : VF061928.D
Acq On : 13 Mar 2019 15:29
Operator : VA/AP
Sample : VF0313SBSD01
Misc : 5.00µL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0313SBSD01

Quant Time: Mar 14 01:15:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

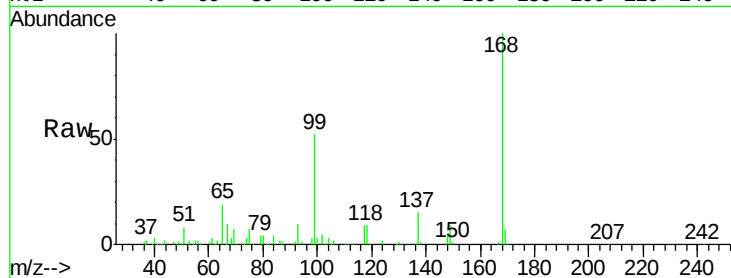
VF0313SBS01

Tot Ion:168 Resp: 297240

Ion Ratio Lower Upper

168 100

99 52.2 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

100000

80000

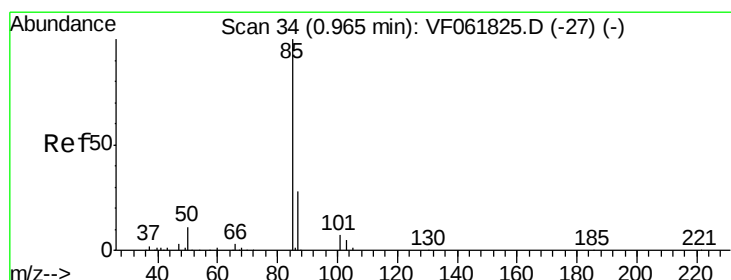
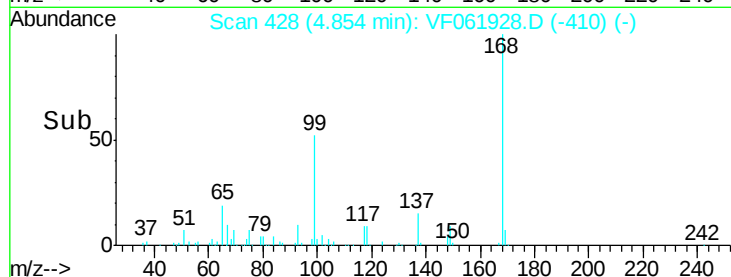
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.260 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061928.D

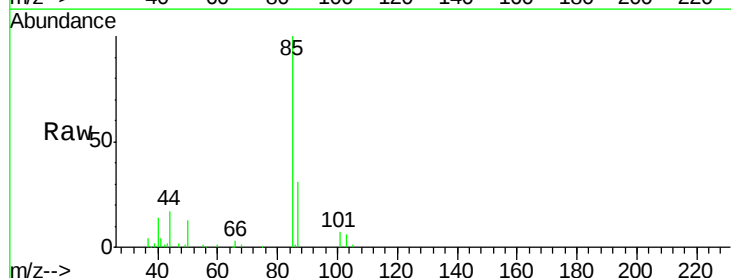
Acq: 13 Mar 2019 15:29

Tgt Ion: 85 Resp: 88529

Ion Ratio Lower Upper

85 100

87 31.1 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

30000

25000

20000

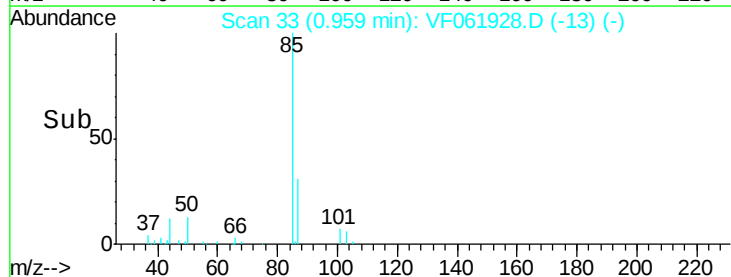
15000

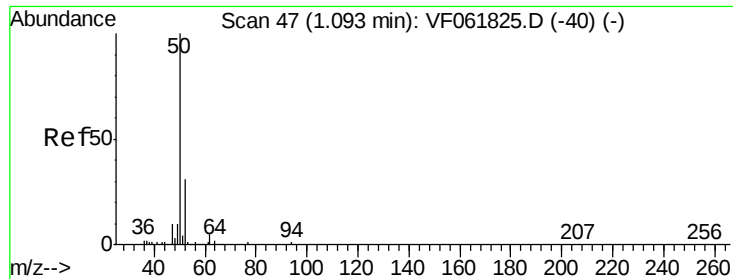
10000

5000

0

Time-->

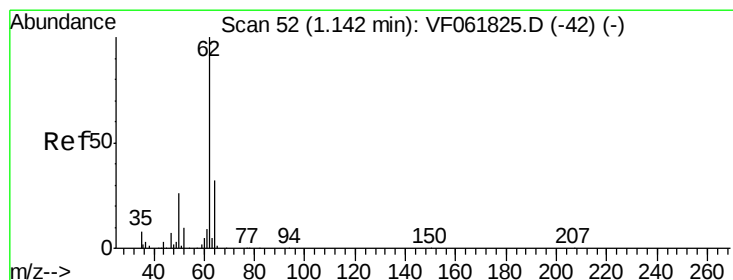
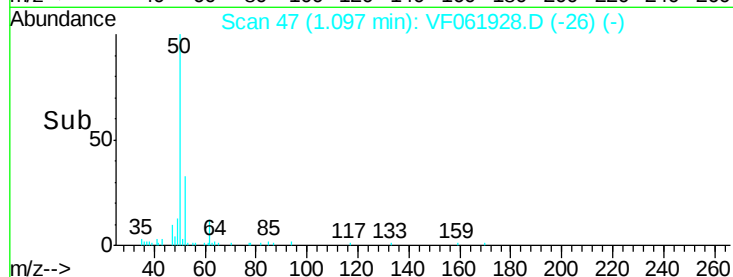
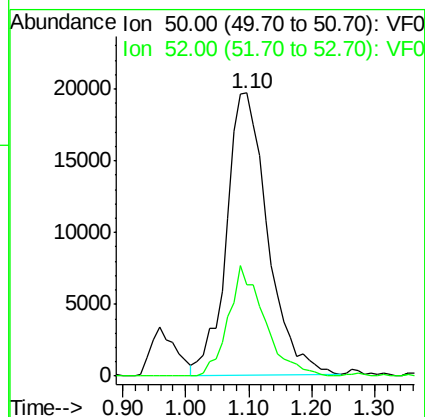
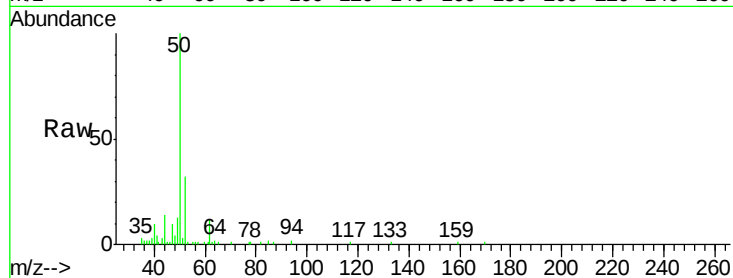




#3
Chloromethane
Concen: 25.084 ug/l
RT: 1.10 min Scan# 47
Delta R.T. 0.00 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

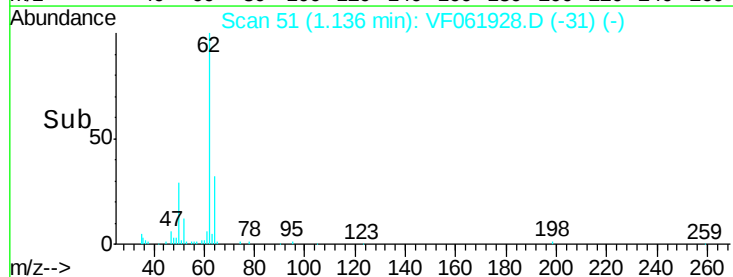
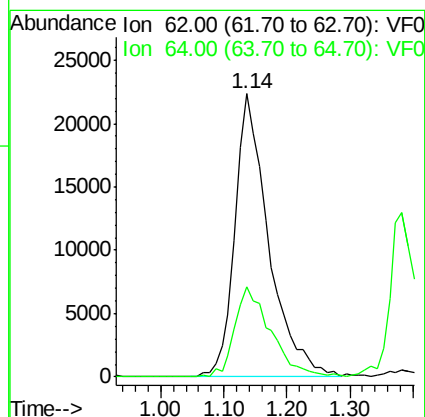
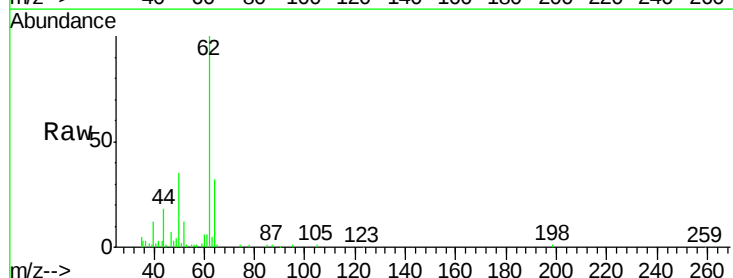
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

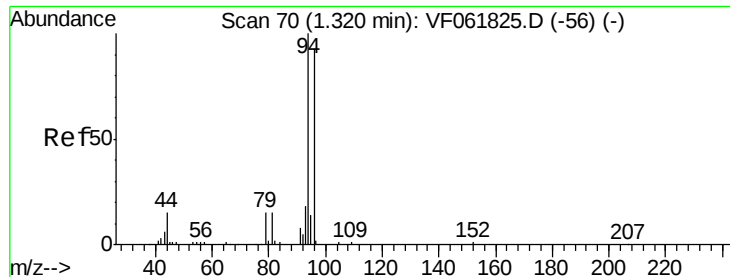
Tot Ion: 50 Resp: 88713
Ion Ratio Lower Upper
50 100
52 32.3 23.8 35.8



#4
Vinyl Chloride
Concen: 24.657 ug/l
RT: 1.14 min Scan# 51
Delta R.T. -0.01 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion: 62 Resp: 82781
Ion Ratio Lower Upper
62 100
64 32.0 25.2 37.8





#5

Bromomethane

Concen: 23.741 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

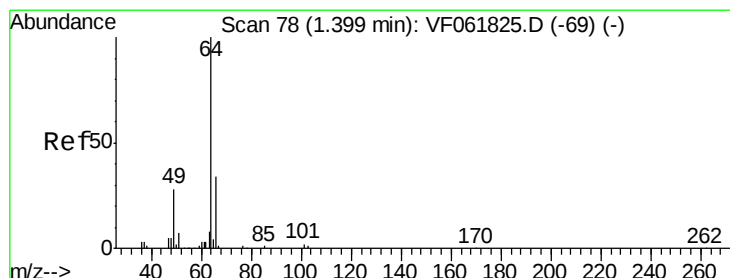
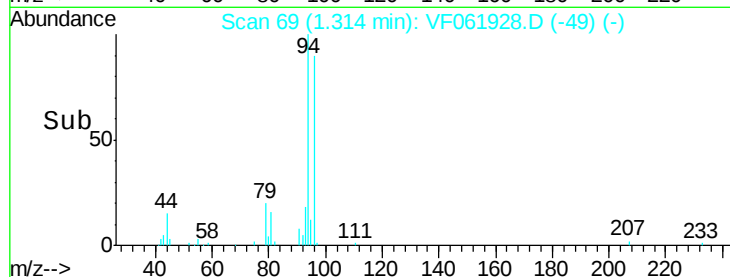
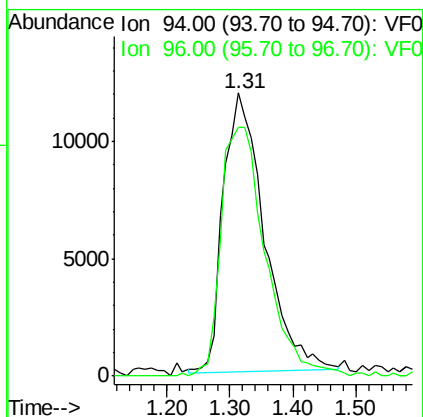
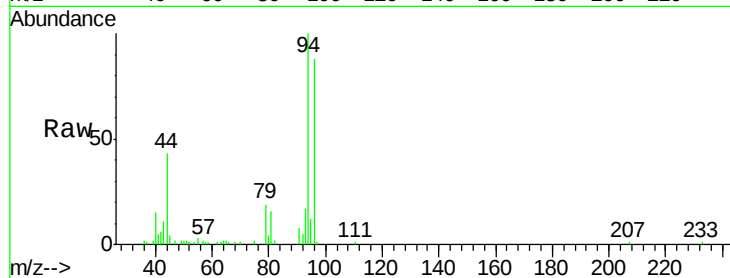
VF0313SBS01

Tot Ion: 94 Resp: 54320

Ion Ratio Lower Upper

94 100

96 87.8 75.2 112.8



#6

Chloroethane

Concen: 25.051 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.02 min

Lab File: VF061928.D

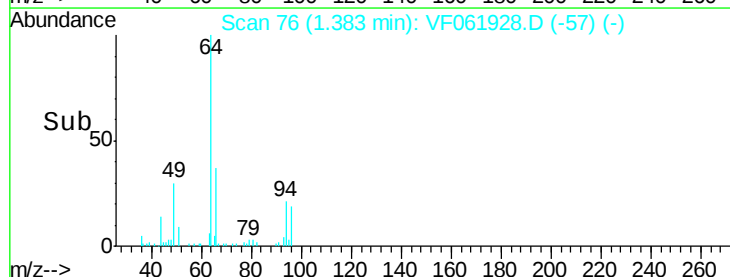
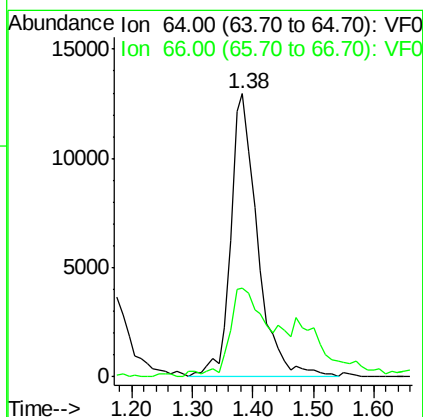
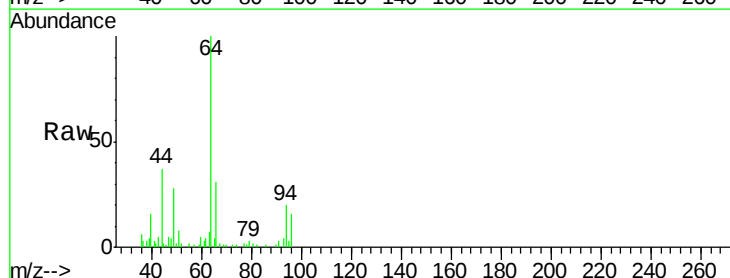
Acq: 13 Mar 2019 15:29

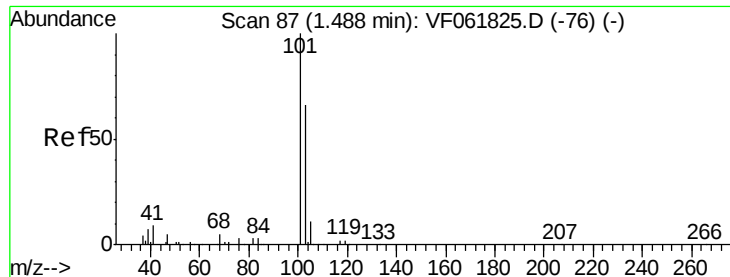
Tgt Ion: 64 Resp: 39978

Ion Ratio Lower Upper

64 100

66 31.5 27.0 40.4





#7

Trichlorofluoromethane

Concen: 25.007 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

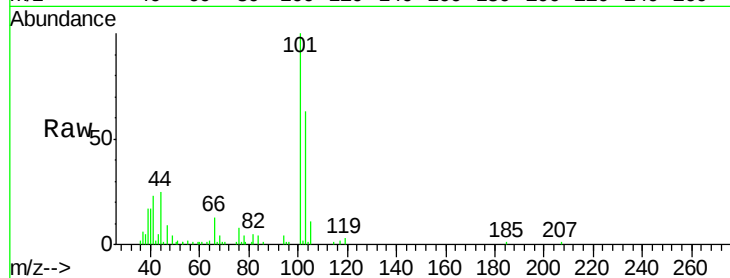
VF0313SBS01

Tot Ion:101 Resp: 102537

Ion Ratio Lower Upper

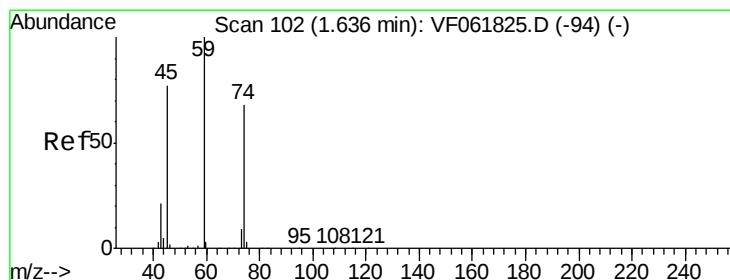
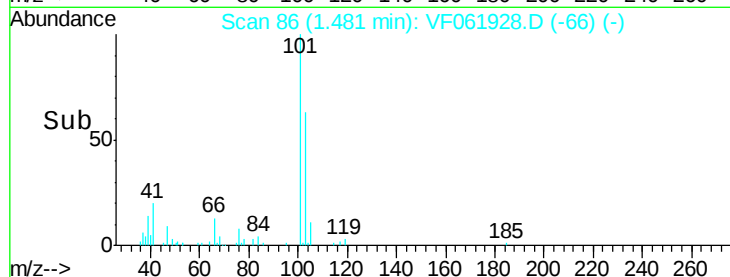
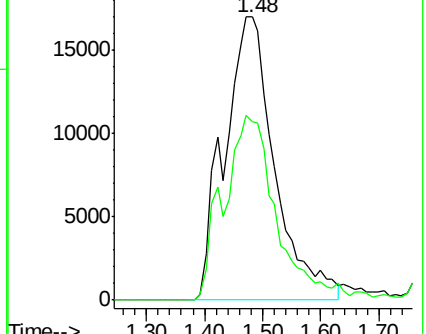
101 100

103 62.8 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 23.822 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061928.D

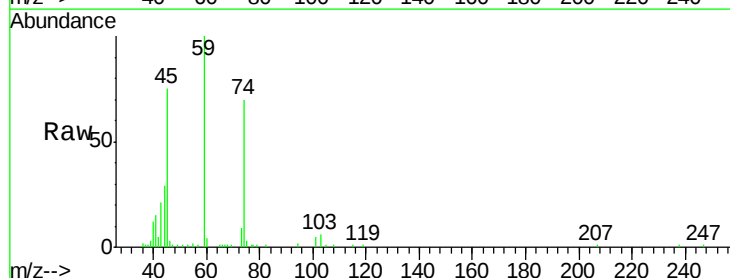
Acq: 13 Mar 2019 15:29

Tgt Ion: 74 Resp: 22213

Ion Ratio Lower Upper

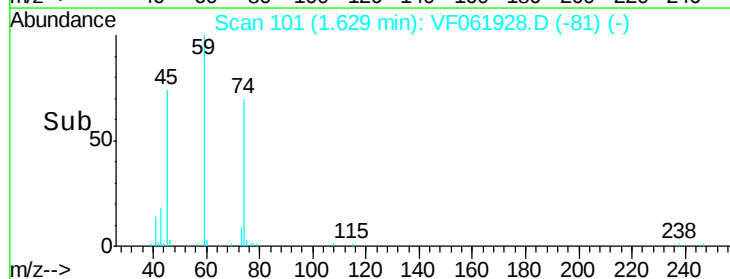
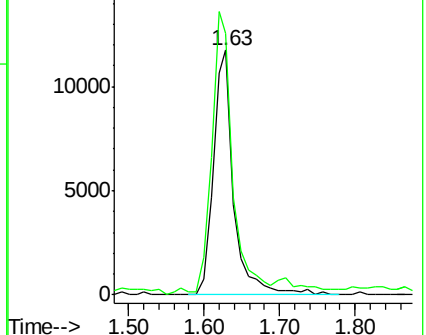
74 100

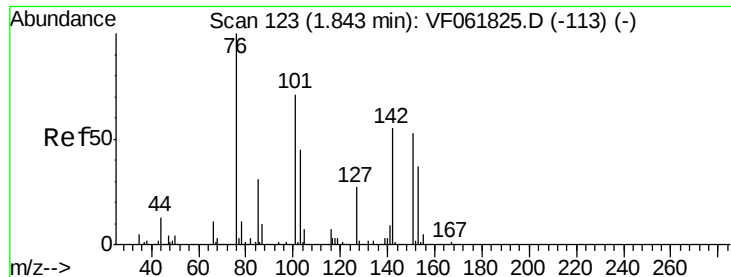
45 107.0 57.2 171.6



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: 25.402 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

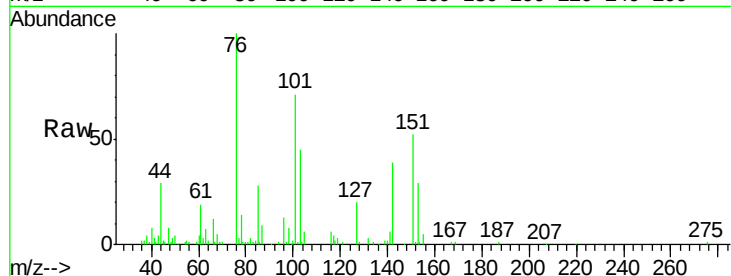
Tot Ion:101 Resp: 70731

Ion Ratio Lower Upper

101 100

85 40.0 34.0 51.0

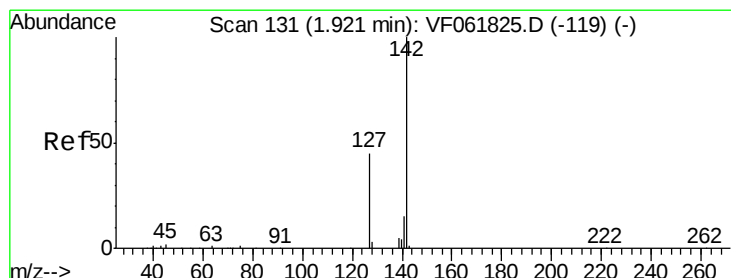
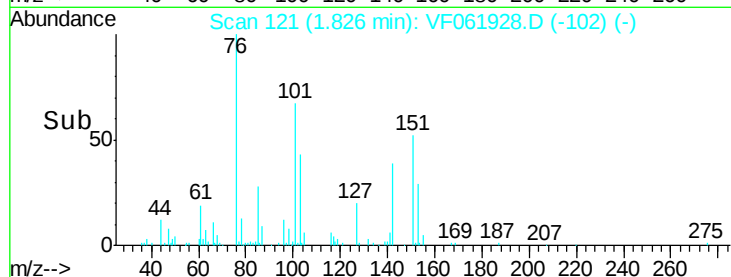
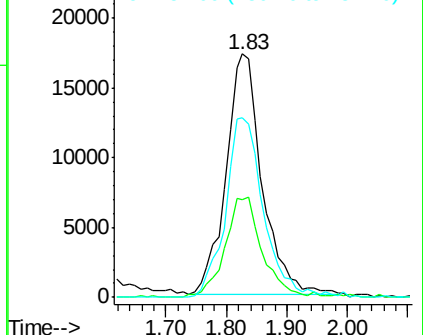
151 74.0 57.3 85.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 18.826 ug/l

RT: 1.90 min Scan# 128

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

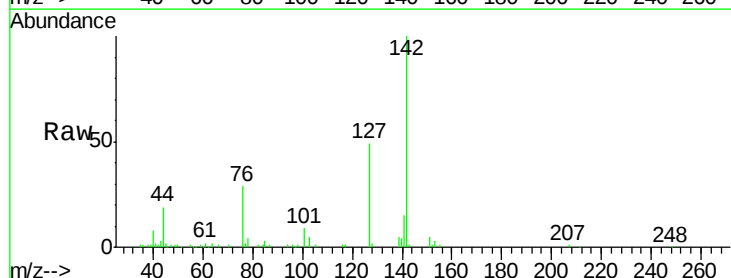
Tgt Ion:142 Resp: 99755

Ion Ratio Lower Upper

142 100

127 49.2 35.8 53.6

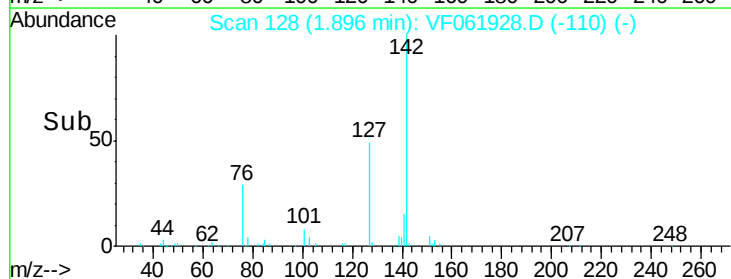
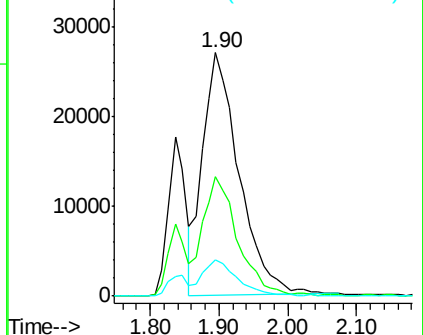
141 14.8 11.7 17.5

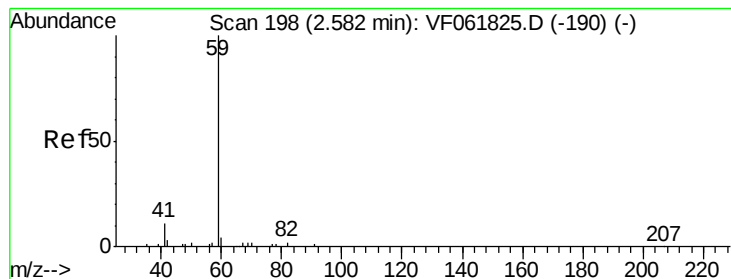


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



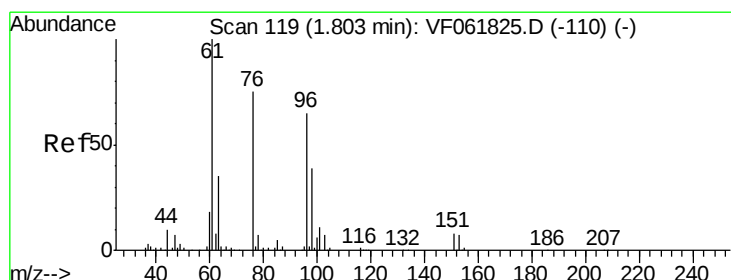
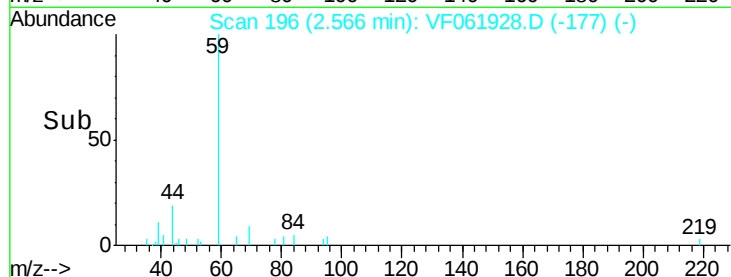
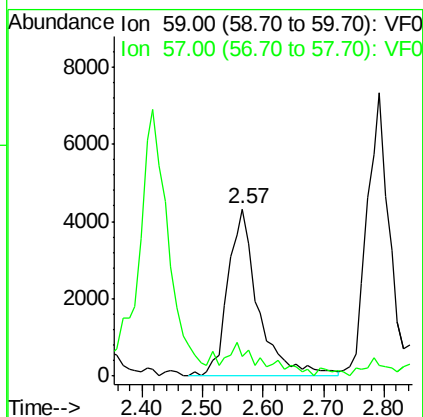
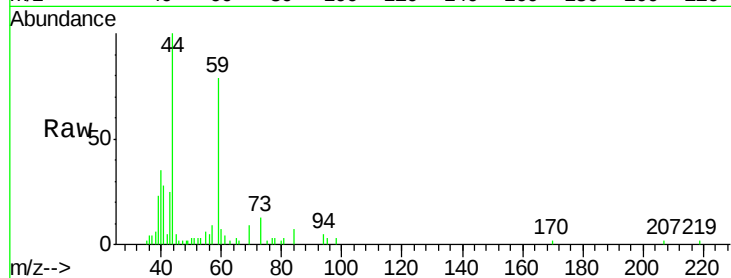


#11

Tert butyl alcohol
Concen: 122.519 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

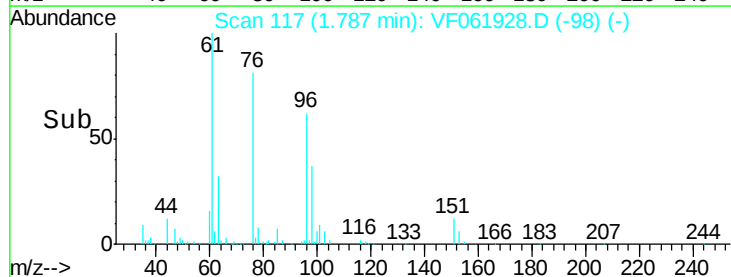
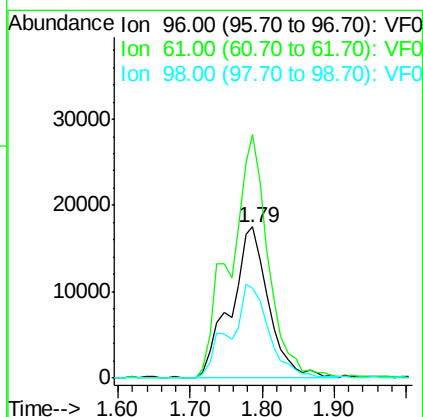
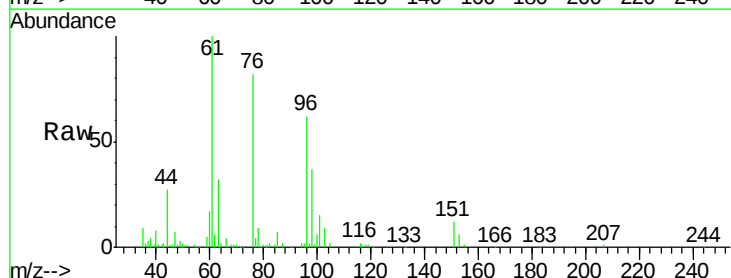
Tot Ion: 59 Resp: 15053
Ion Ratio Lower Upper
59 100
57 12.1 11.8 17.6

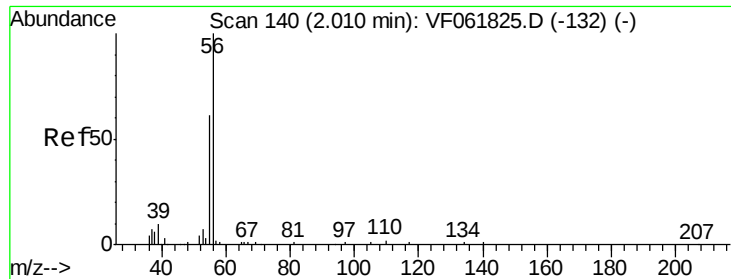


#12

1,1-Dichloroethene
Concen: 25.292 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion: 96 Resp: 64296
Ion Ratio Lower Upper
96 100
61 160.9 122.5 183.7
98 59.6 47.1 70.7





#13

Acrolein

Concen: 105.710 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

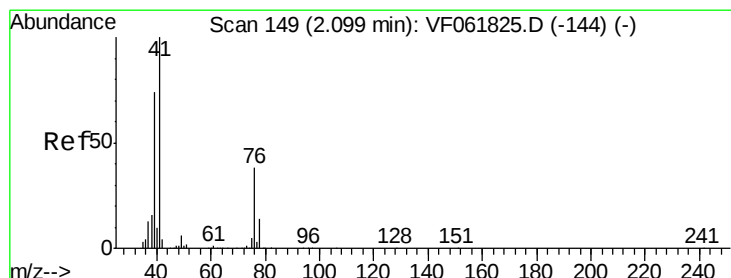
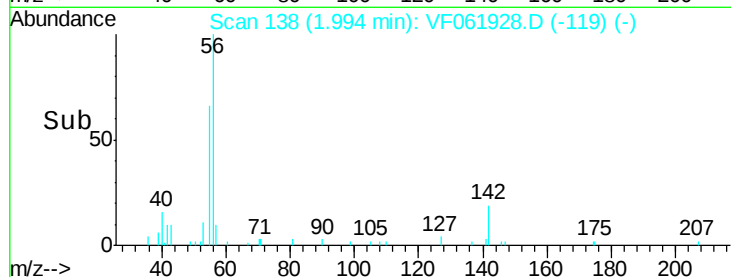
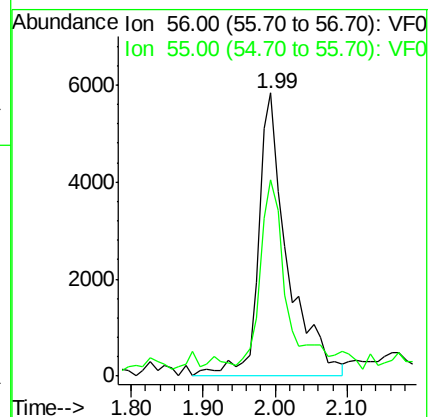
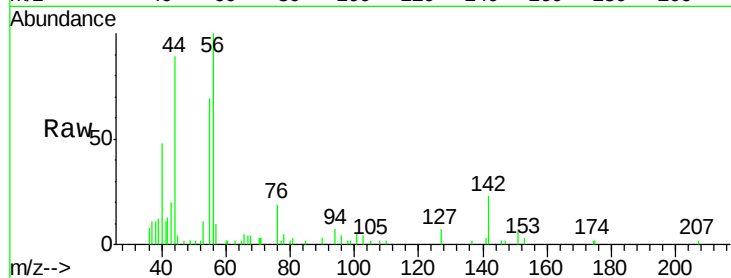
VF0313SBS01

Tot Ion: 56 Resp: 16457

Ion Ratio Lower Upper

56 100

55 69.4 51.3 76.9



#14

Allyl chloride

Concen: 29.141 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

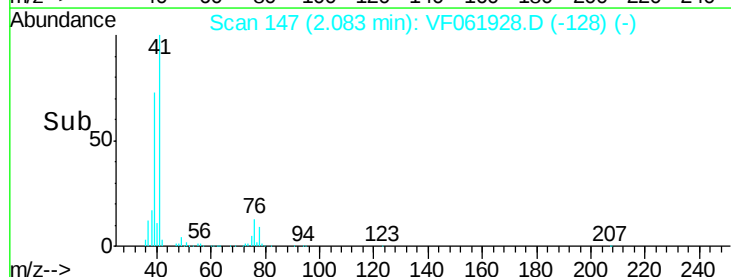
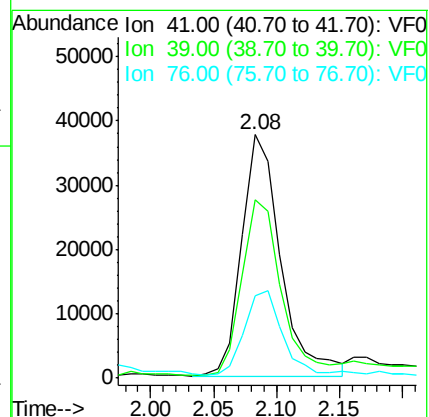
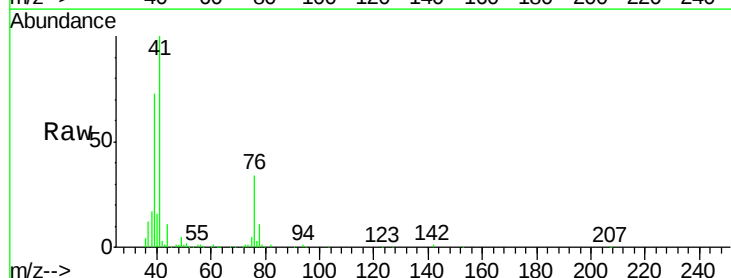
Tgt Ion: 41 Resp: 81613

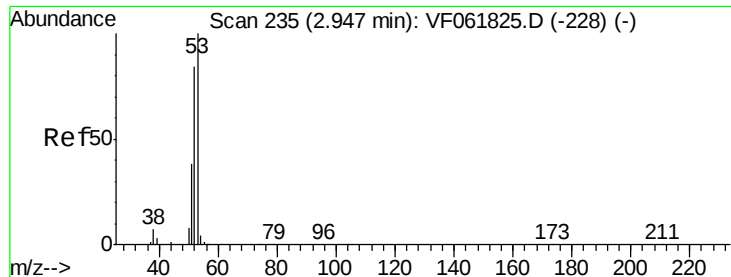
Ion Ratio Lower Upper

41 100

39 73.2 59.6 89.4

76 33.9 32.3 48.5





#15

Acrylonitrile

Concen: 126.750 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

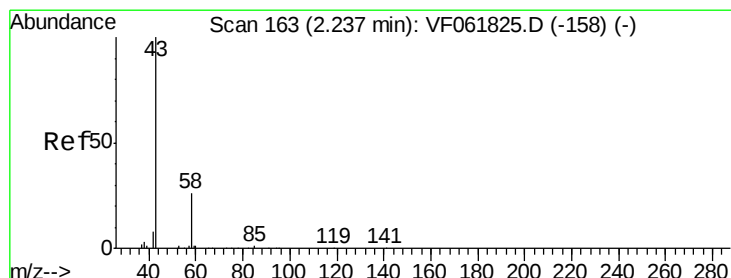
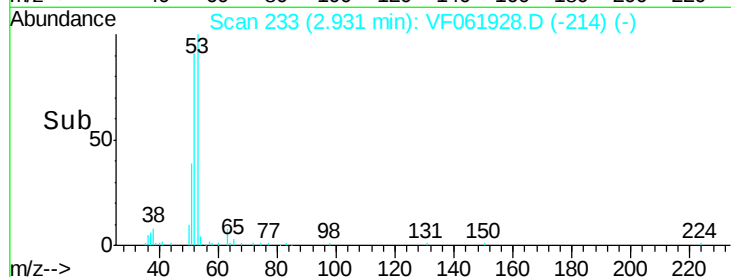
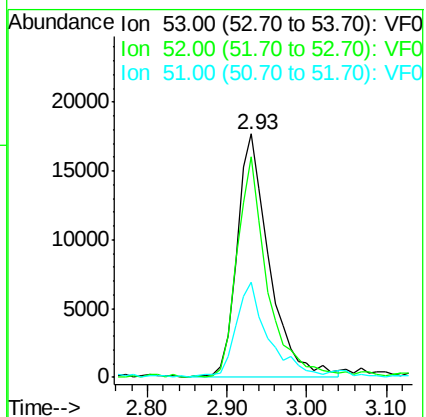
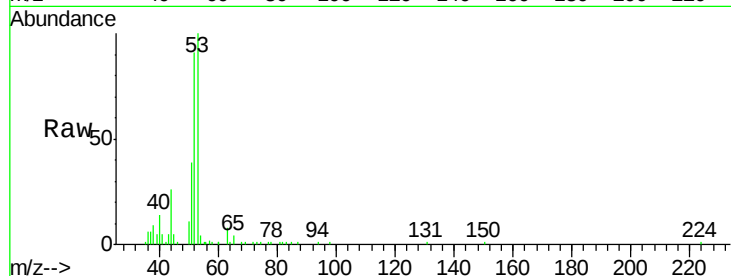
Tot Ion: 53 Resp: 49588

Ion Ratio Lower Upper

53 100

52 90.9 67.4 101.0

51 39.3 30.7 46.1



#16

Acetone

Concen: 126.029 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061928.D

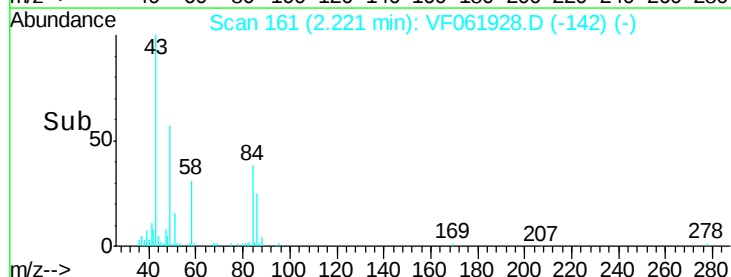
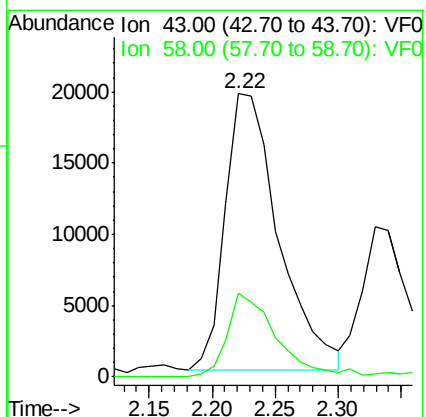
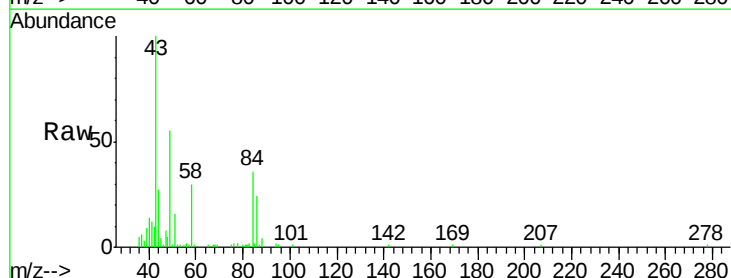
Acq: 13 Mar 2019 15:29

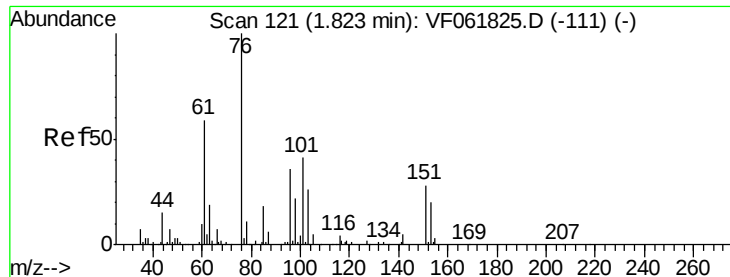
Tgt Ion: 43 Resp: 57145

Ion Ratio Lower Upper

43 100

58 29.7 20.3 30.5

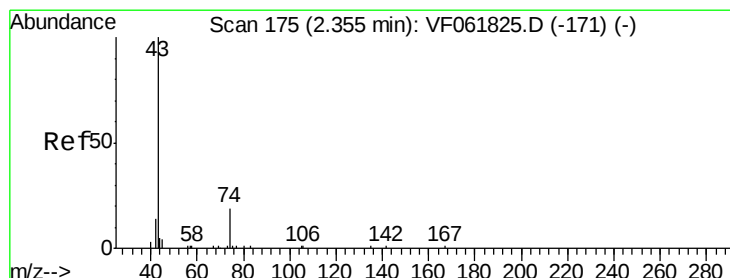
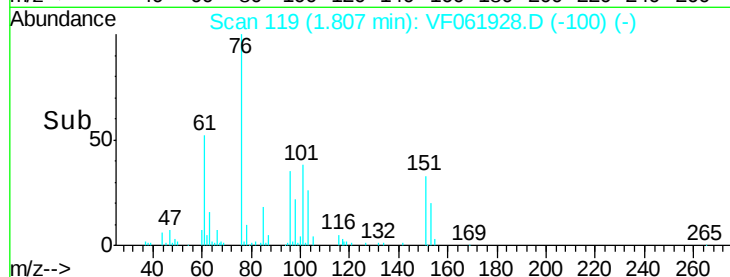
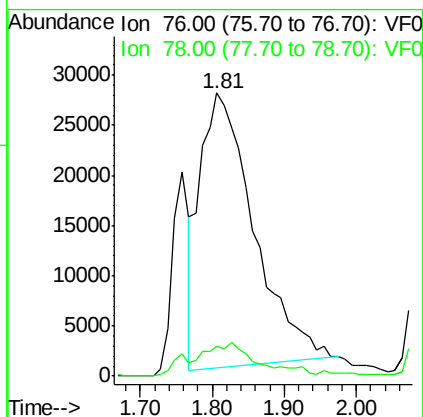
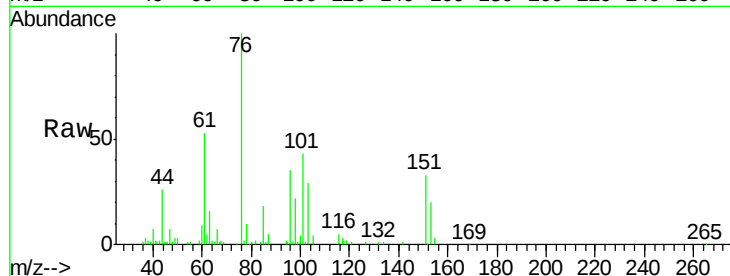




#17
Carbon Disulfide
Concen: 17.839 ug/l
RT: 1.81 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

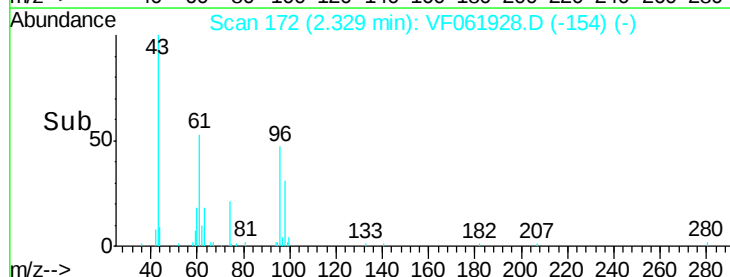
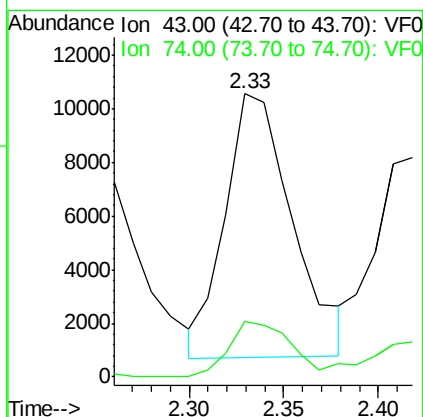
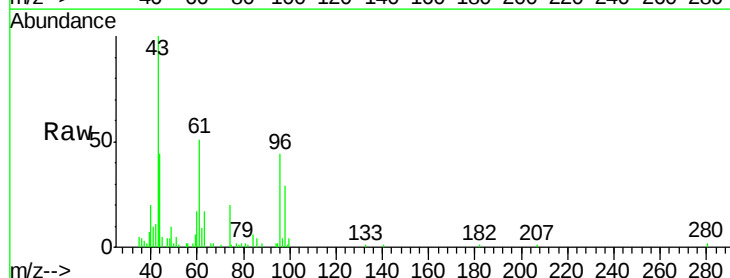
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

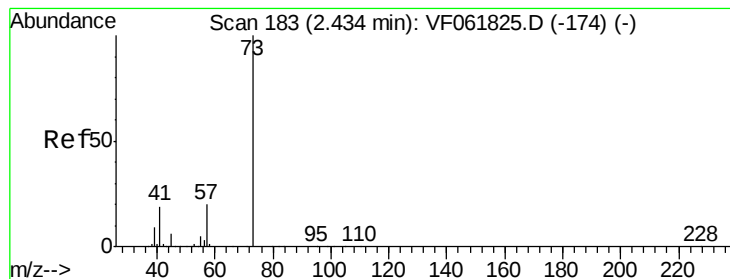
Tot Ion: 76 Resp: 141160
Ion Ratio Lower Upper
76 100
78 10.5 9.1 13.7



#18
Methyl Acetate
Concen: 27.546 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.03 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion: 43 Resp: 24419
Ion Ratio Lower Upper
43 100
74 19.7 13.2 19.8



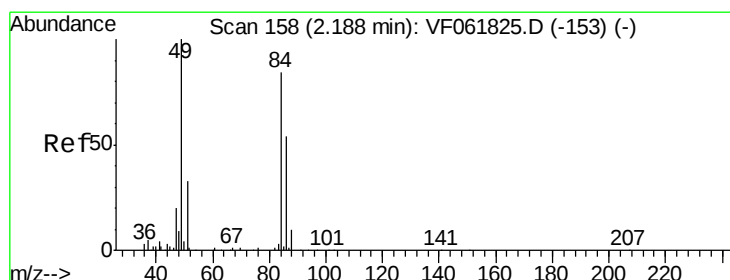
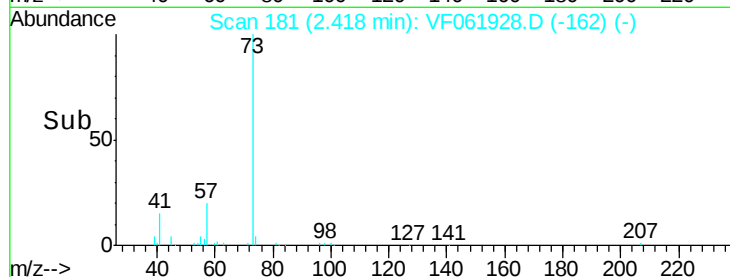
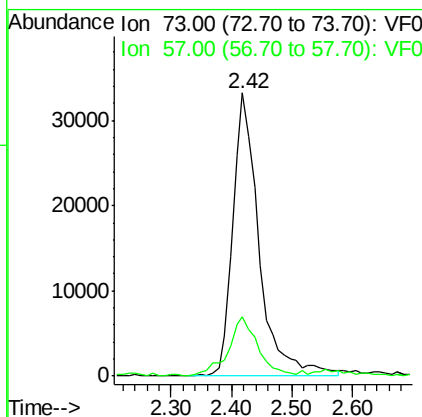
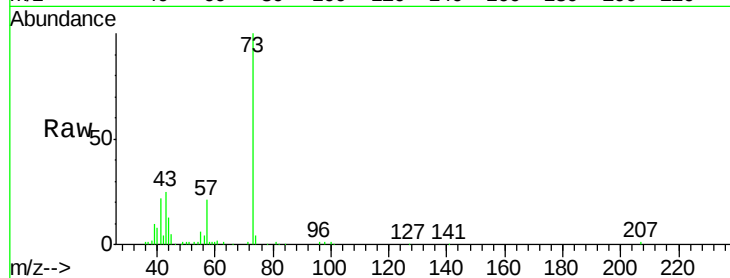


#19

Methyl tert-butyl Ether
 Concen: 23.382 ug/l
 RT: 2.42 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

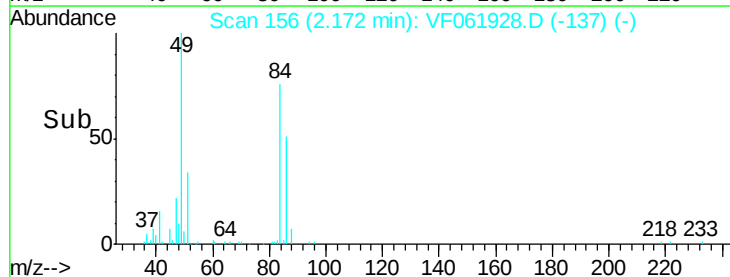
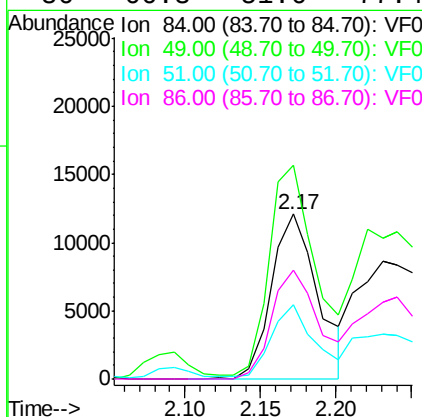
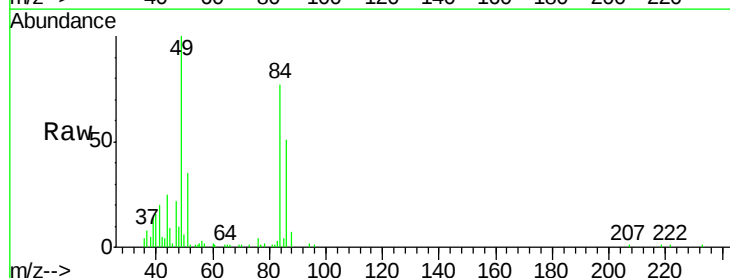
Tot Ion: 73 Resp: 100550
 Ion Ratio Lower Upper
 73 100
 57 20.8 16.1 24.1

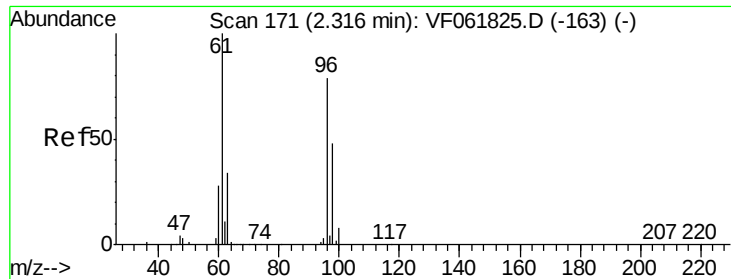


#20

Methylene Chloride
 Concen: 5.635 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

Tgt Ion: 84 Resp: 25962
 Ion Ratio Lower Upper
 84 100
 49 129.4 96.8 145.2
 51 44.9 31.8 47.6
 86 66.3 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 27.283 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

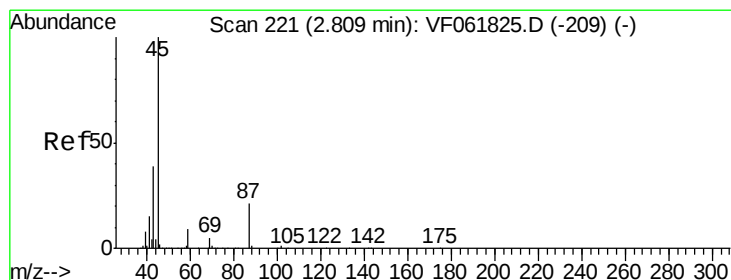
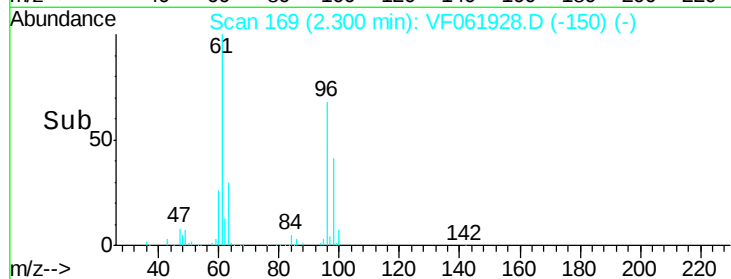
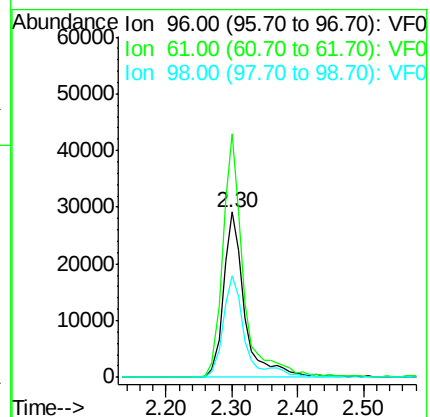
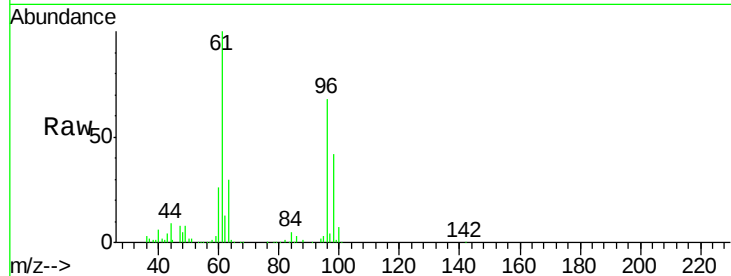
Tot Ion: 96 Resp: 65276

Ion Ratio Lower Upper

96 100

61 147.1 101.0 151.6

98 61.2 48.8 73.2



#22

Diisopropyl ether

Concen: 26.240 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Tgt Ion: 45 Resp: 191156

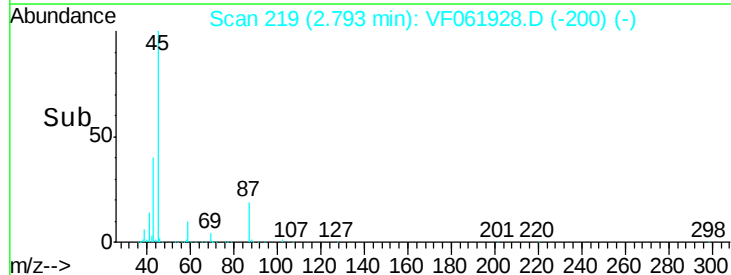
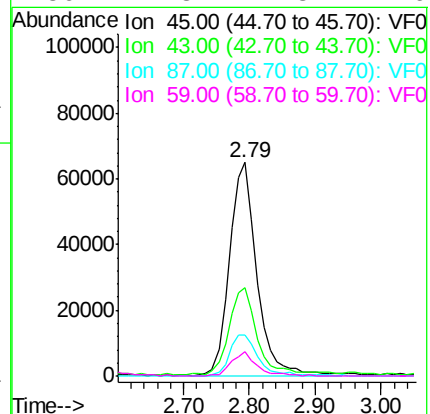
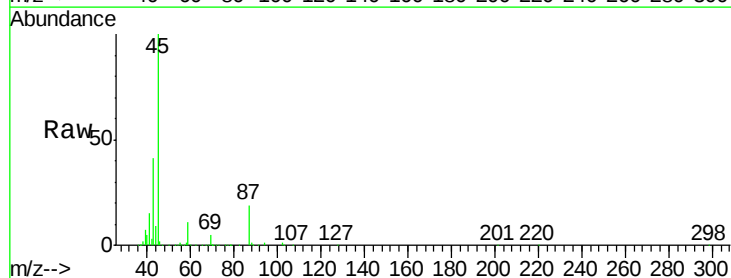
Ion Ratio Lower Upper

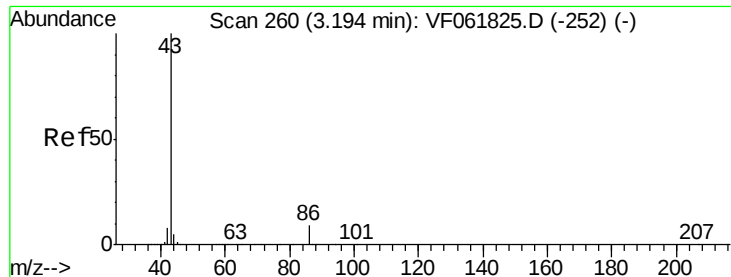
45 100

43 41.1 31.8 47.8

87 19.2 17.1 25.7

59 11.3 7.8 11.6





#23

Vinyl Acetate

Concen: 113.680 ug/l

RT: 3.18 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

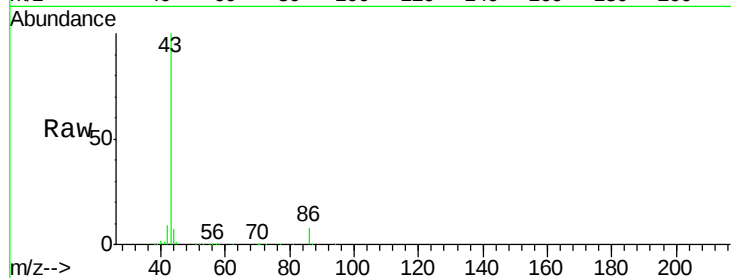
VF0313SBS01

Tot Ion: 43 Resp: 369968

Ion Ratio Lower Upper

43 100

86 8.3 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

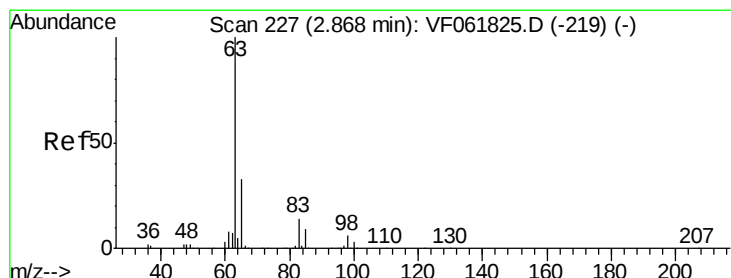
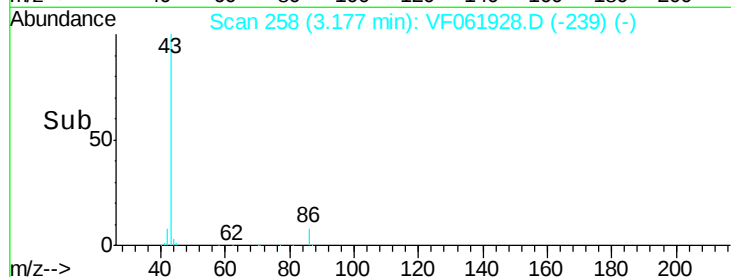
150000

100000

50000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 25.580 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

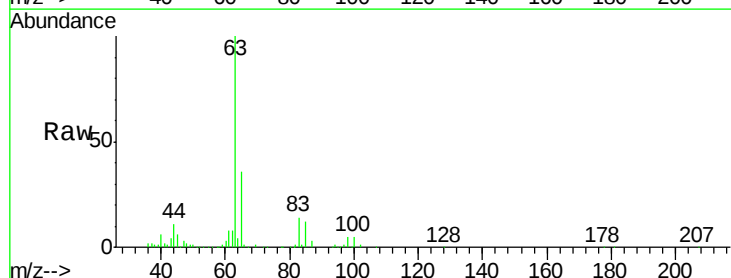
Tgt Ion: 63 Resp: 111385

Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.6

100 5.2 1.8 5.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.86

50000

40000

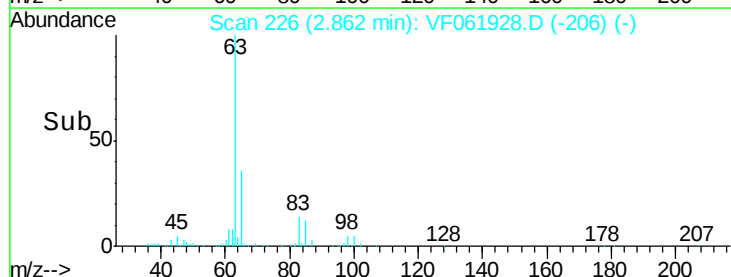
30000

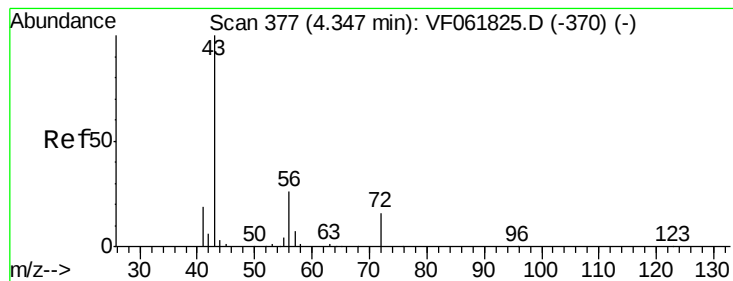
20000

10000

0

Time--> 2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 125.387 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

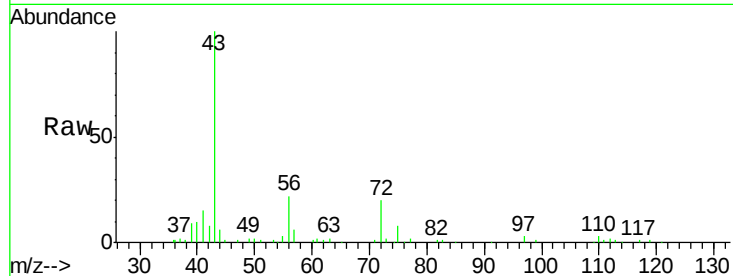
VF0313SBS01

Tot Ion: 43 Resp: 115646

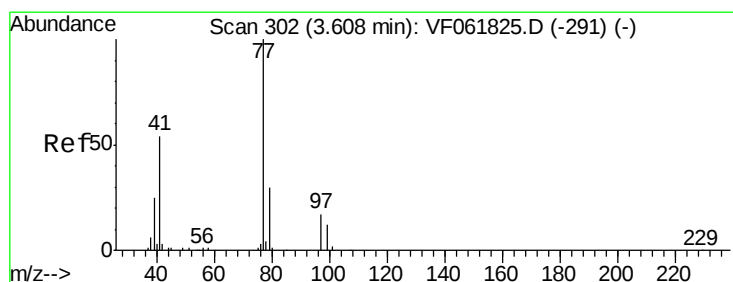
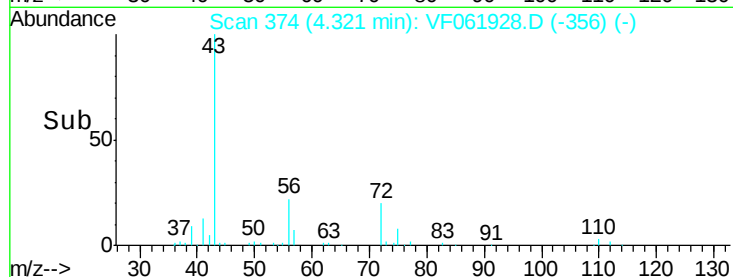
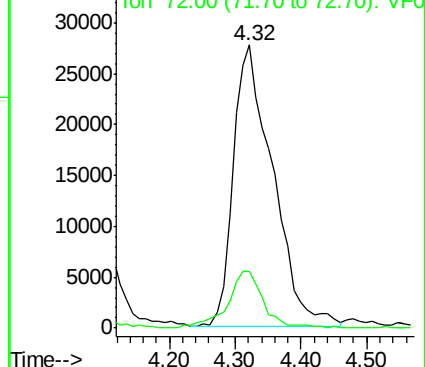
Ion Ratio Lower Upper

43 100

72 19.9 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VF0



#26

2,2-Dichloropropane

Concen: 26.799 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.03 min

Lab File: VF061928.D

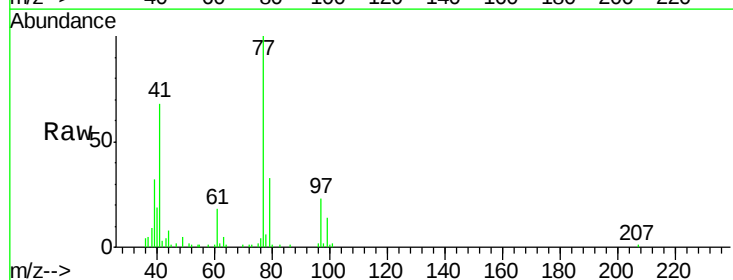
Acq: 13 Mar 2019 15:29

Tgt Ion: 77 Resp: 52092

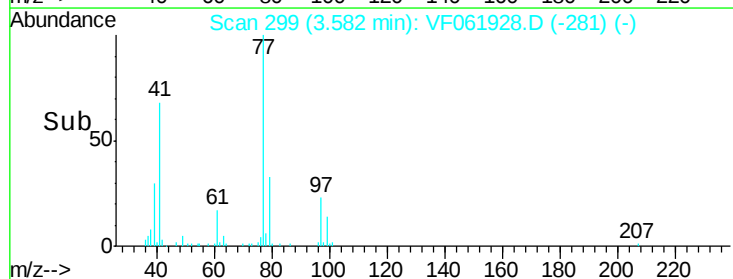
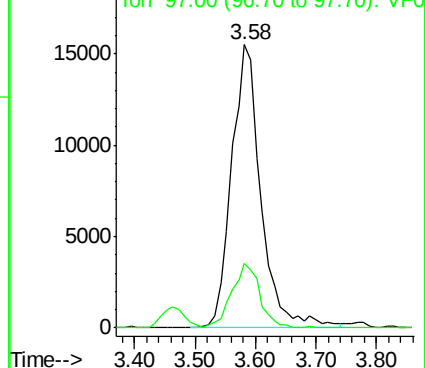
Ion Ratio Lower Upper

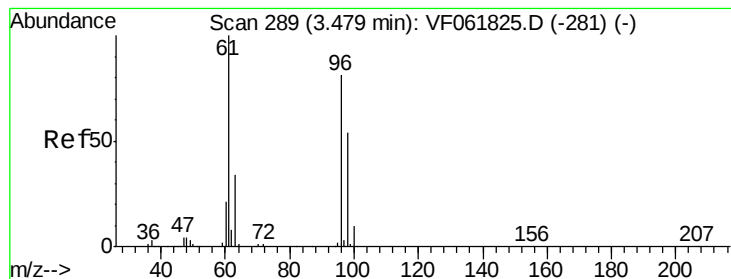
77 100

97 22.7 10.4 31.4



Abundance Ion 77.00 (76.70 to 77.70): VF0



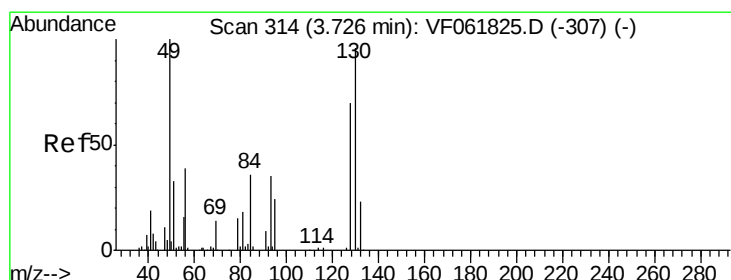
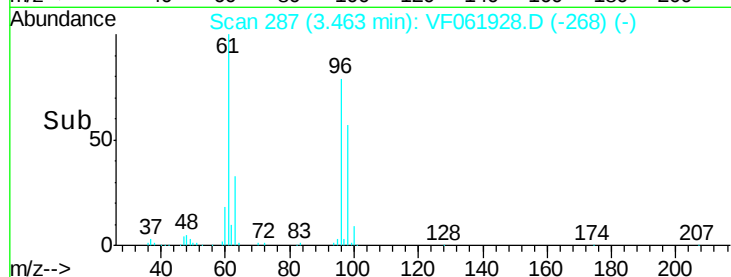
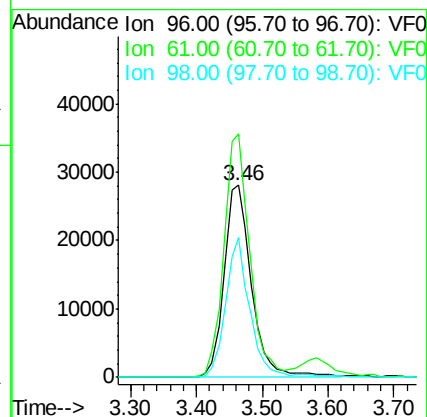
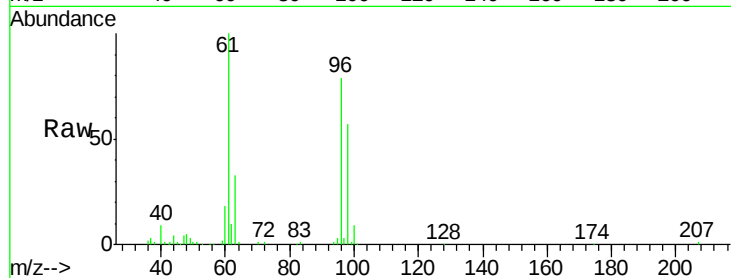


#27

cis-1,2-Dichloroethene
Concen: 24.645 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.02 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

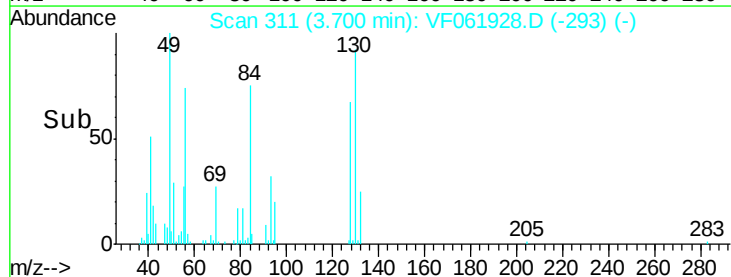
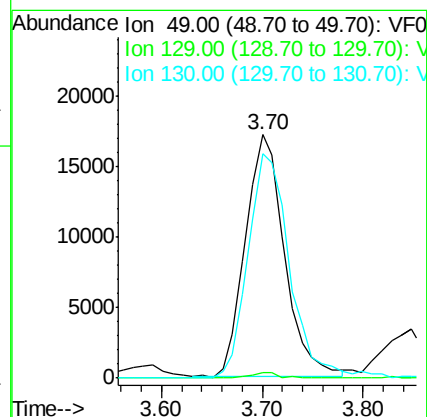
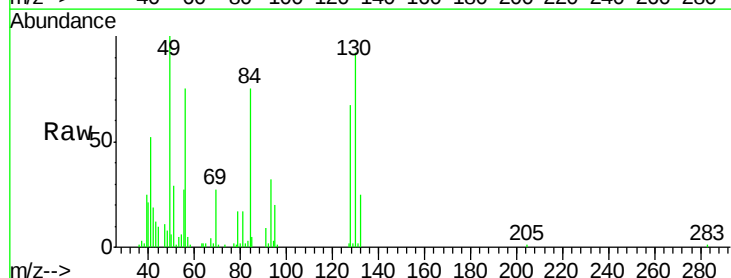
Tot Ion: 96 Resp: 81692
Ion Ratio Lower Upper
96 100
61 126.8 0.0 245.8
98 72.8 0.0 132.6

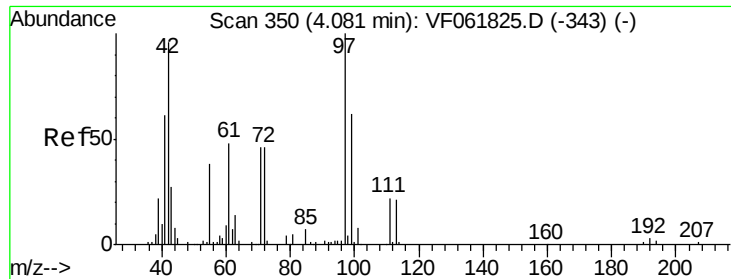


#28

Bromochloromethane
Concen: 24.374 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.03 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion: 49 Resp: 46264
Ion Ratio Lower Upper
49 100
129 2.1 0.0 0.0#
130 92.3 76.9 115.3

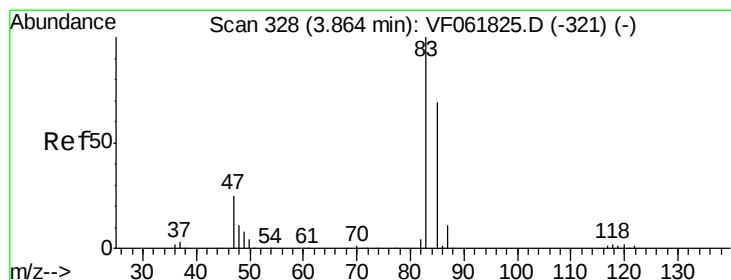
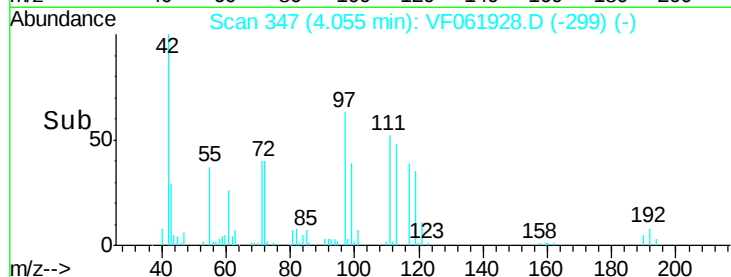
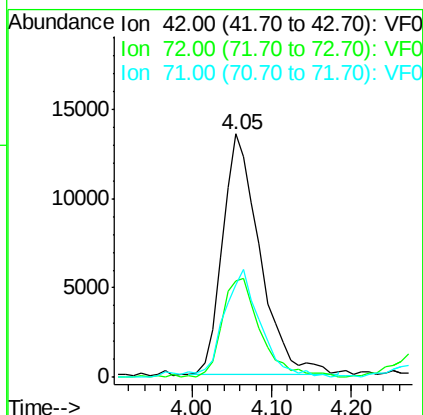
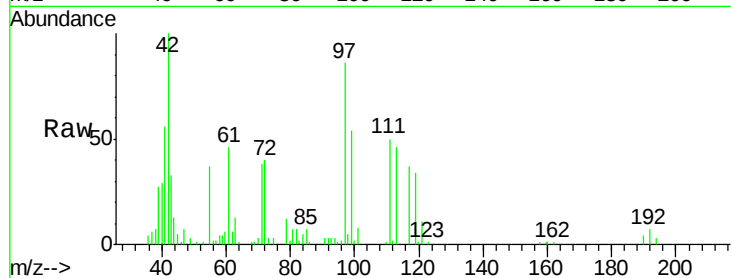




#29
Tetrahydrofuran
Concen: 110.977 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.03 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

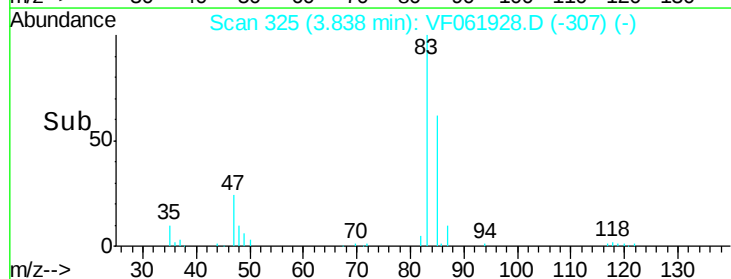
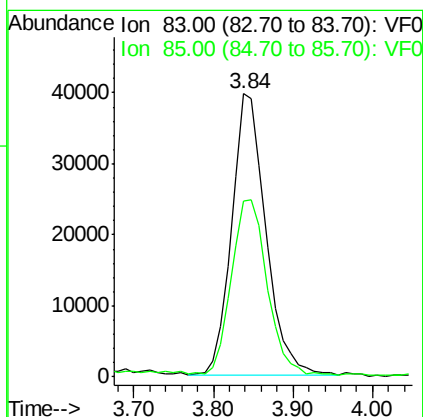
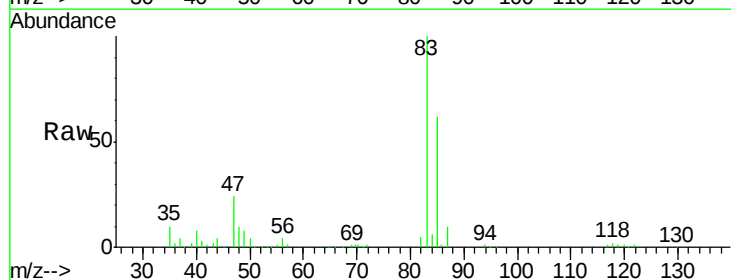
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

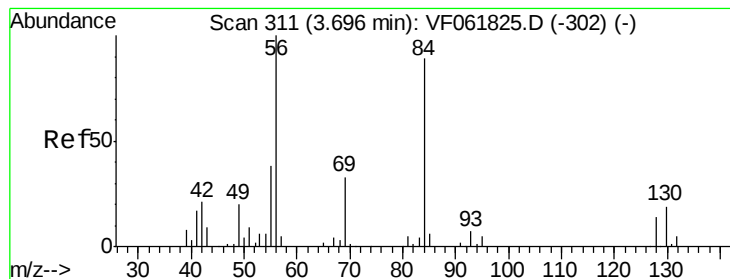
Tot Ion: 42 Resp: 44143
Ion Ratio Lower Upper
42 100
72 42.6 34.4 51.6
71 44.3 34.6 52.0



#30
Chloroform
Concen: 23.828 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.03 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion: 83 Resp: 118510
Ion Ratio Lower Upper
83 100
85 62.2 55.3 82.9





#31

Cyclohexane

Concen: 25.534 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

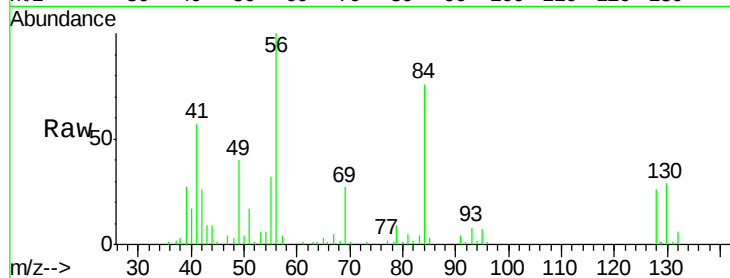
Tot Ion: 56 Resp: 116456

Ion Ratio Lower Upper

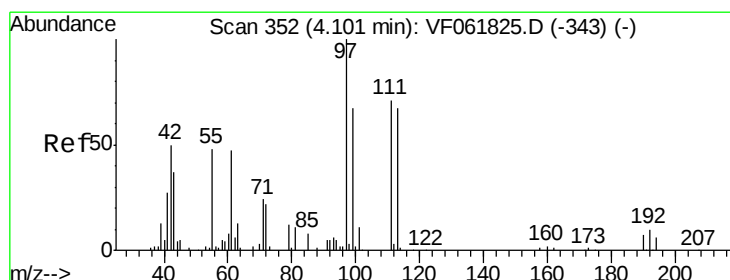
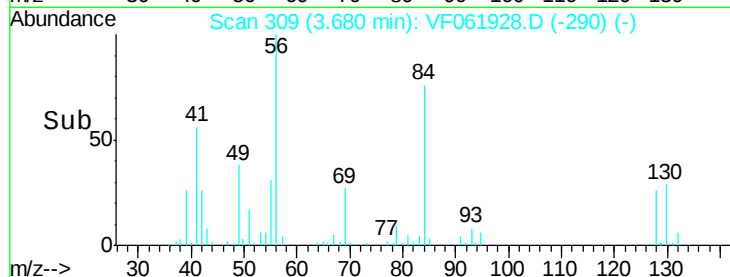
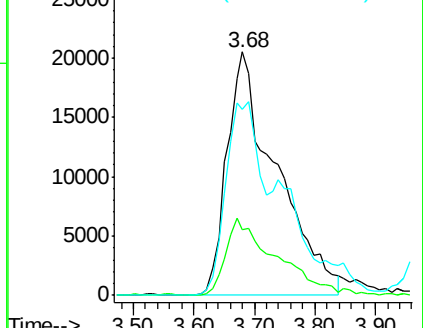
56 100

69 27.2 26.0 39.0

84 76.5 71.0 106.6



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



#32

1,1,1-Trichloroethane

Concen: 27.086 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

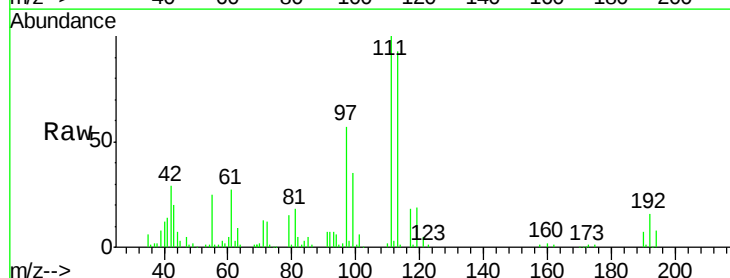
Tgt Ion: 97 Resp: 83037

Ion Ratio Lower Upper

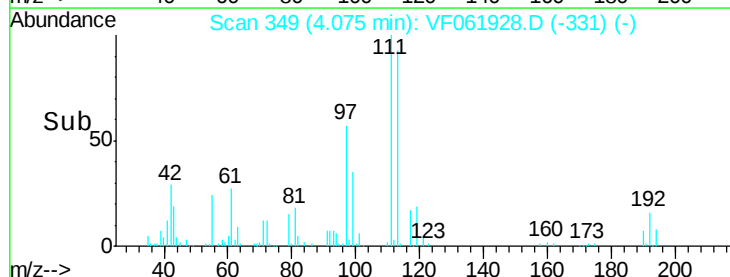
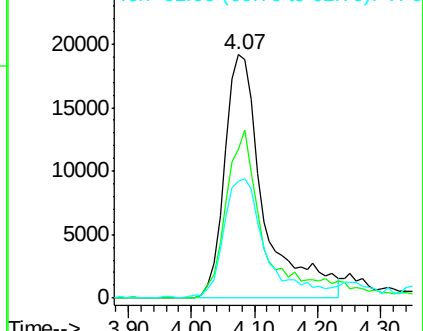
97 100

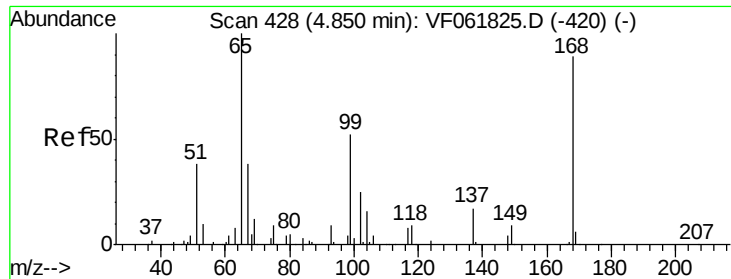
99 61.3 53.8 80.8

61 47.8 37.9 56.9



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

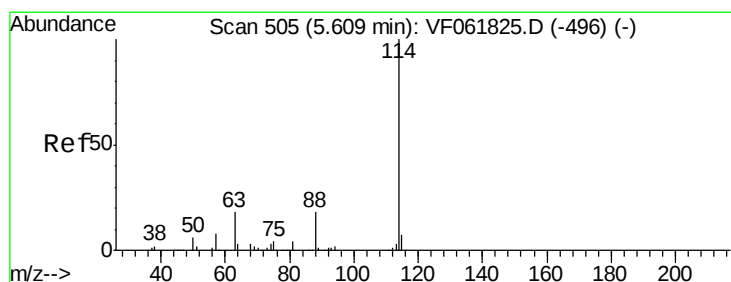
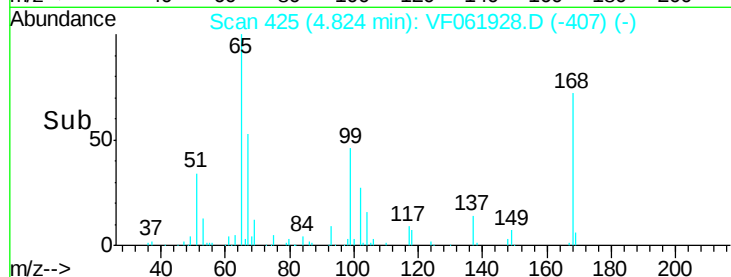
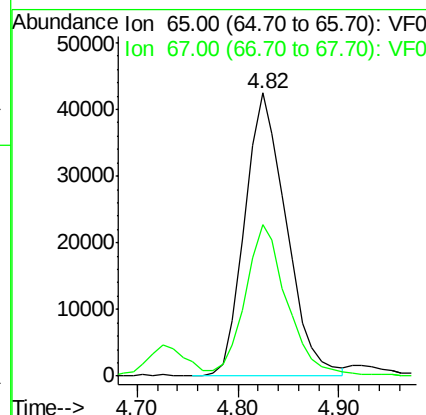
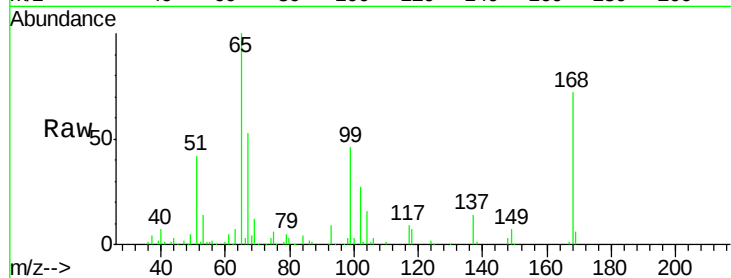




#33
 1,2-Dichloroethane-d4
 Concen: 56.450 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.03 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

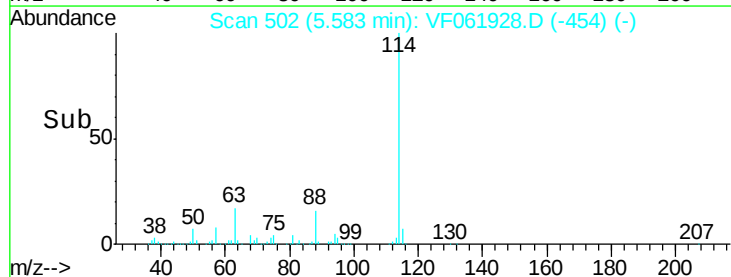
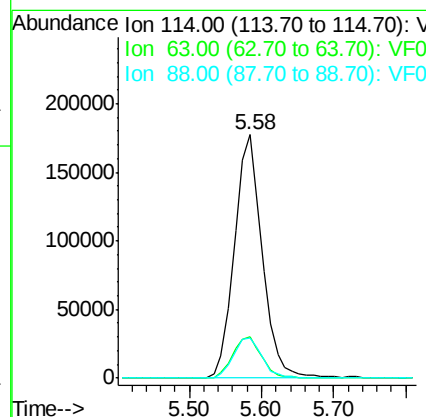
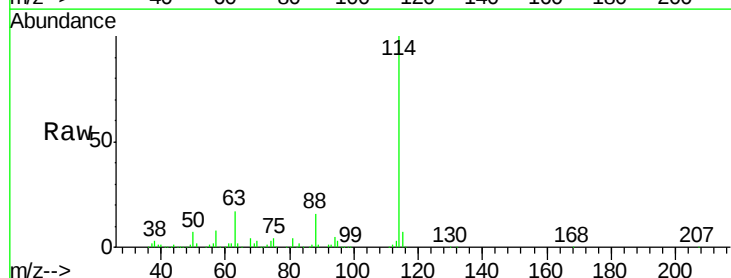
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

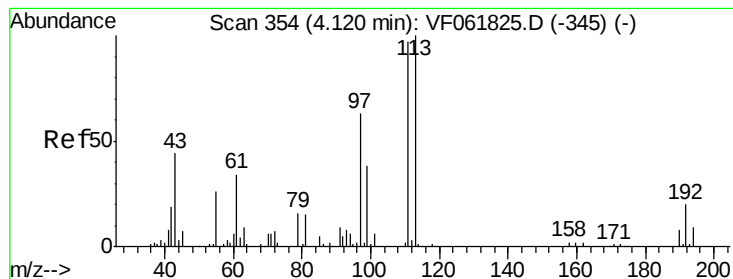
Tot Ion: 65 Resp: 122193
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

Tgt Ion: 114 Resp: 478357
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 35.6
 88 16.4 0.0 35.6





#35

Dibromofluoromethane

Concen: 52.276 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

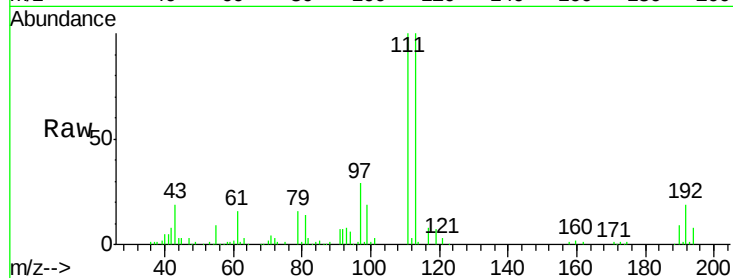
Tot Ion:113 Resp: 174513

Ion Ratio Lower Upper

113 100

111 100.2 77.6 116.4

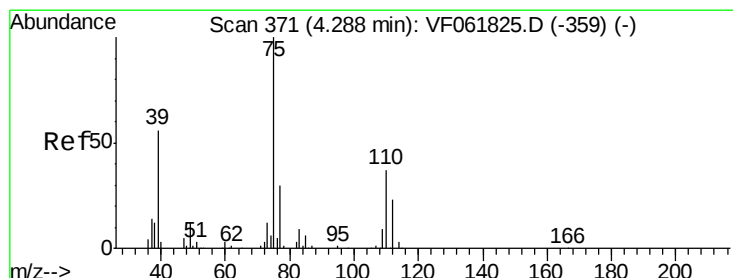
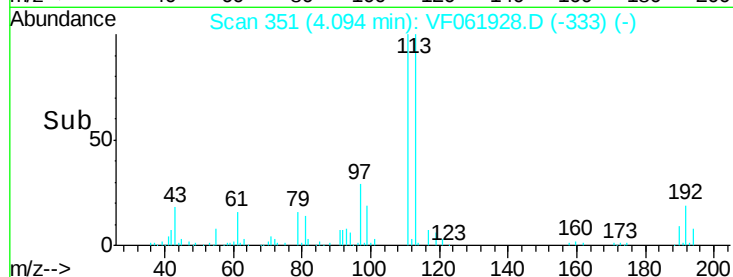
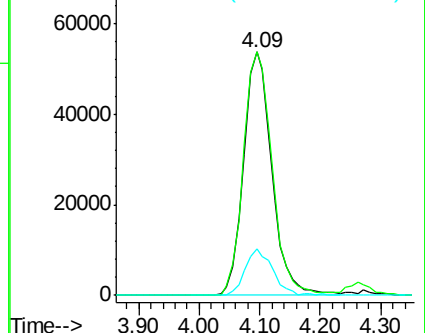
192 19.2 15.9 23.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.996 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

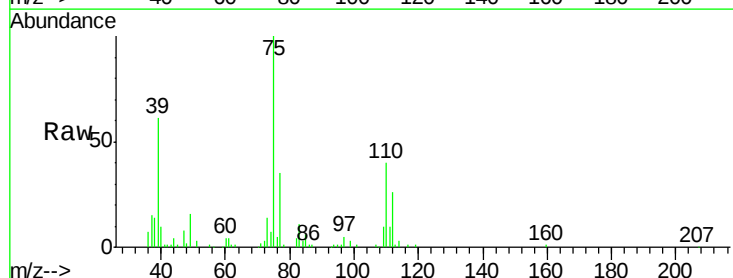
Tgt Ion: 75 Resp: 99393

Ion Ratio Lower Upper

75 100

110 40.0 18.6 55.6

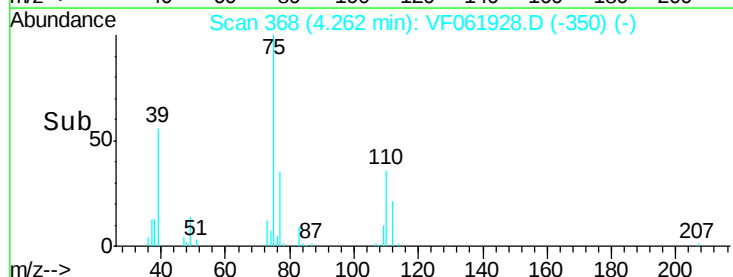
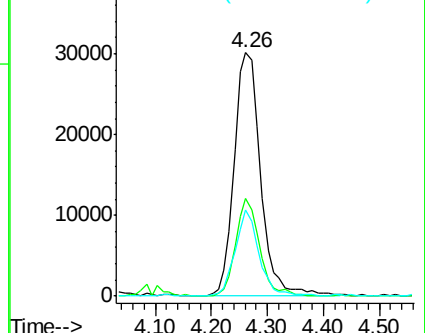
77 35.2 24.2 36.2

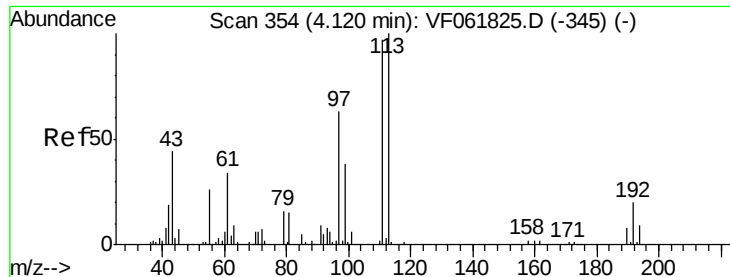


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 21.631 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

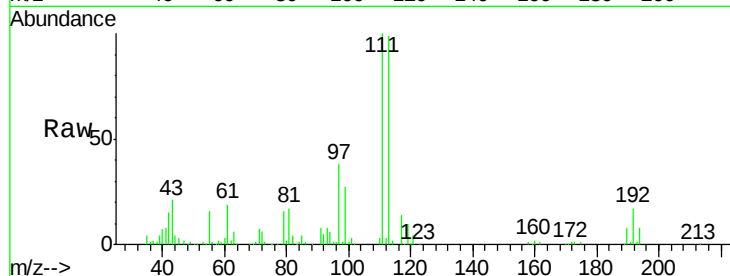
Tot Ion: 43 Resp: 41025

Ion Ratio Lower Upper

43 100

61 90.7 60.7 91.1

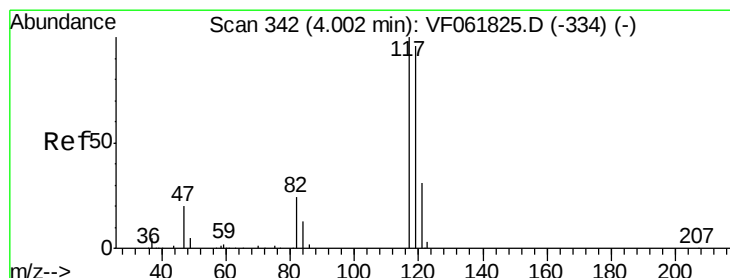
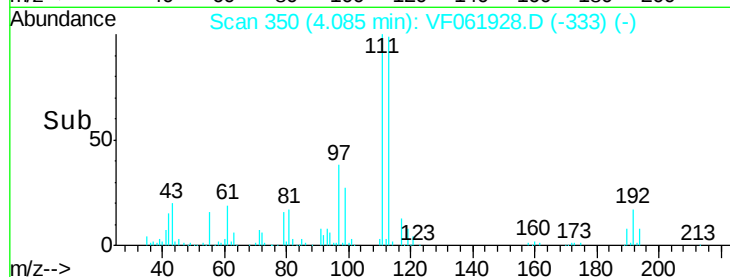
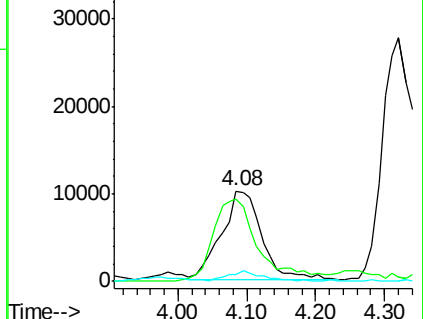
70 7.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 23.134 ug/l

RT: 3.98 min Scan# 339

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

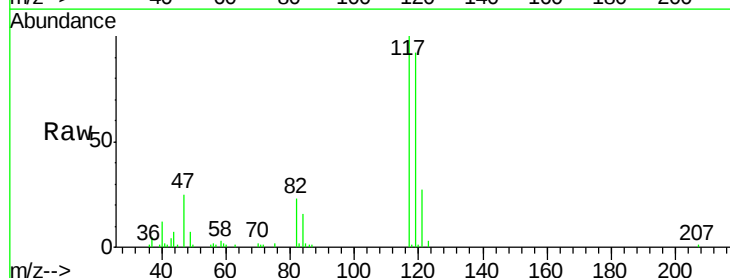
Tgt Ion: 117 Resp: 73999

Ion Ratio Lower Upper

117 100

119 91.8 76.6 114.8

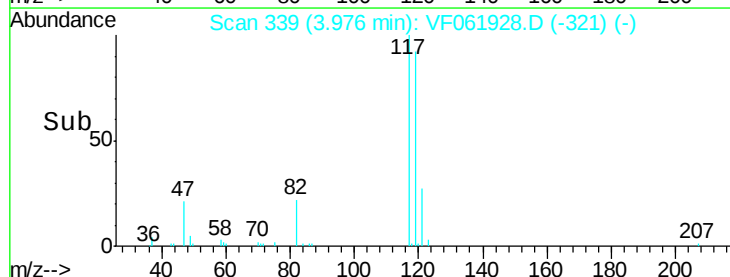
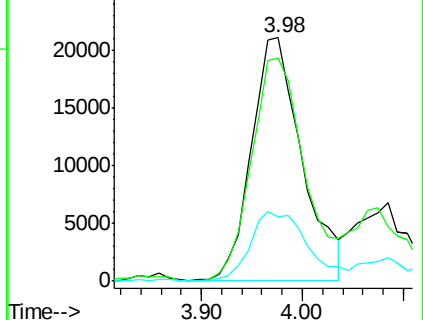
121 26.7 24.4 36.6

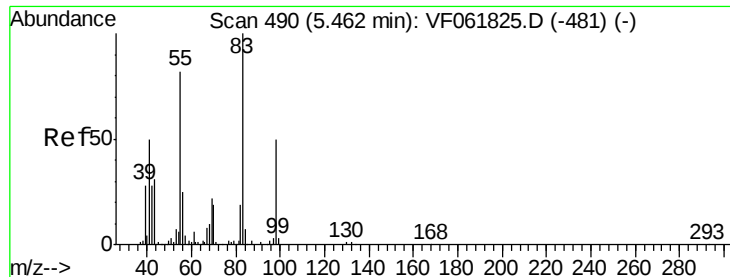


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

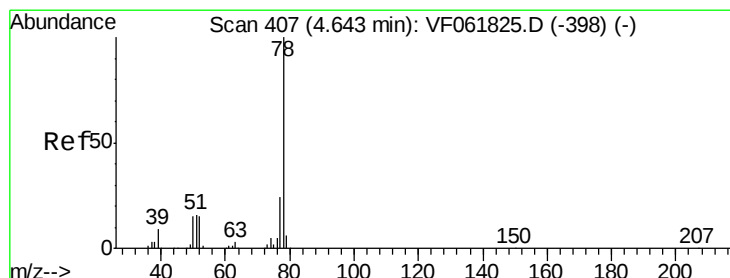
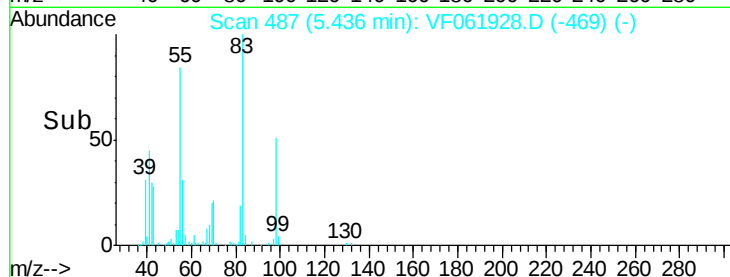
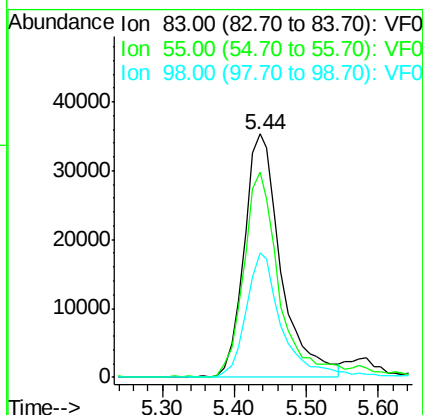
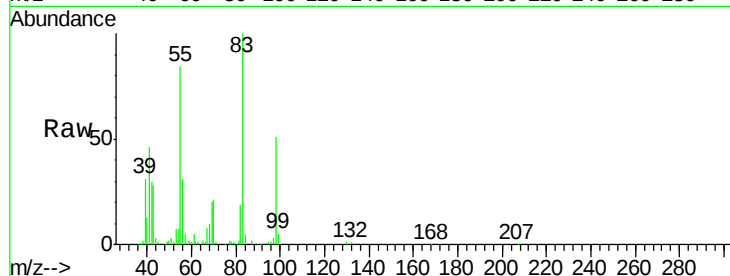




#39
Methvlcvclohexane
Concen: 23.502 ug/l
RT: 5.44 min Scan# 487
Delta R.T. -0.03 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

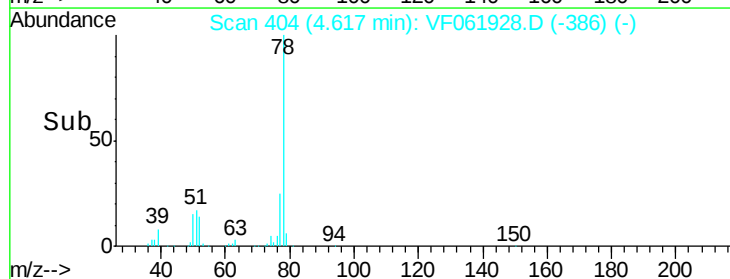
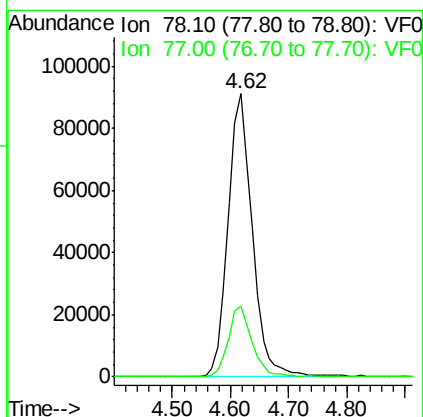
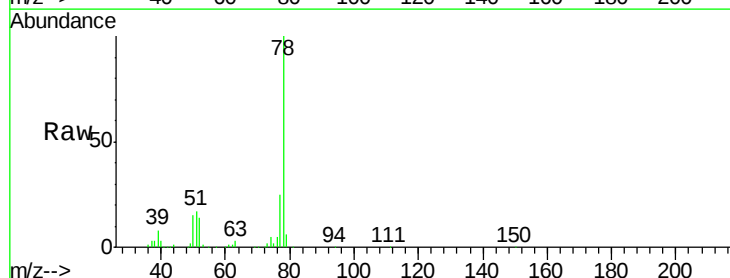
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

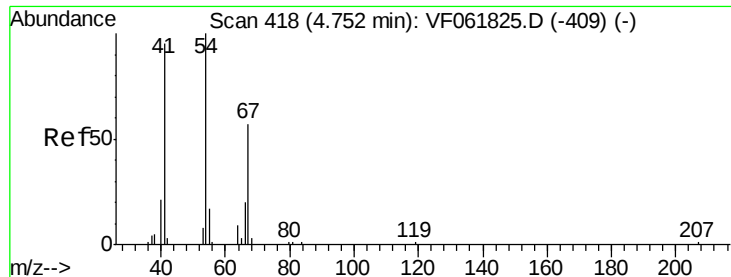
Tot Ion: 83 Resp: 125434
Ion Ratio Lower Upper
83 100
55 84.2 66.0 99.0
98 51.2 39.8 59.6



#40
Benzene
Concen: 22.452 ug/l
RT: 4.62 min Scan# 404
Delta R.T. -0.03 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion: 78 Resp: 265182
Ion Ratio Lower Upper
78 100
77 24.9 19.5 29.3

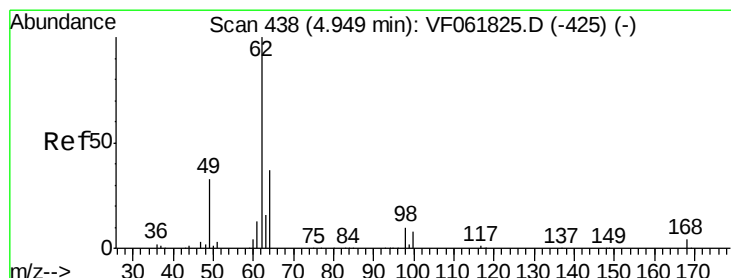
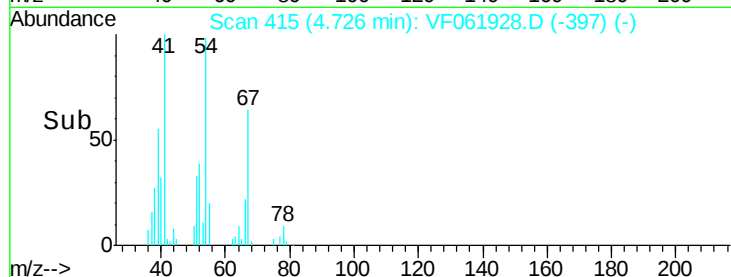
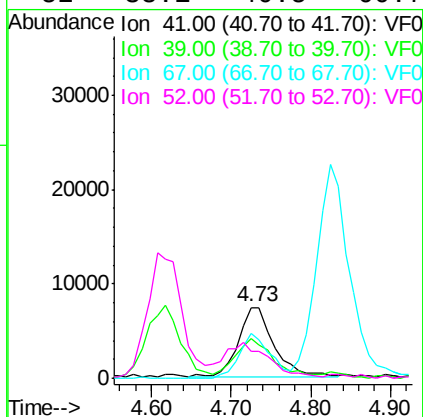
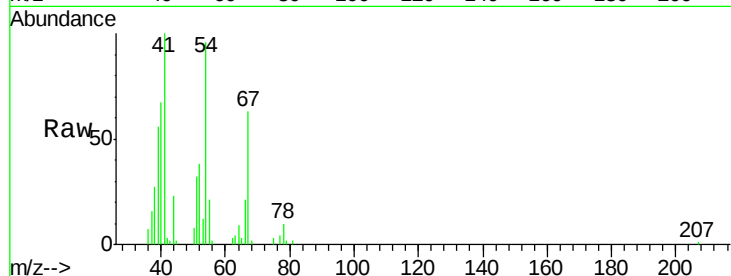




#41
Methacrylonitrile
Concen: 21.528 ug/l
RT: 4.73 min Scan# 415
Delta R.T. -0.03 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

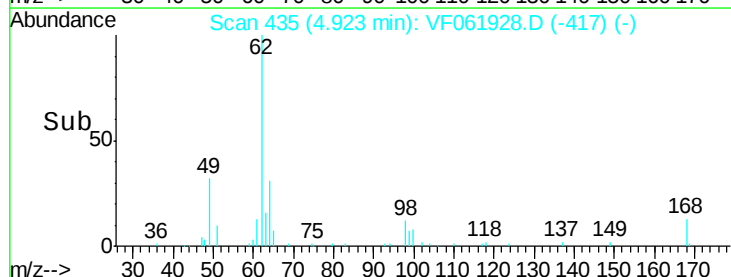
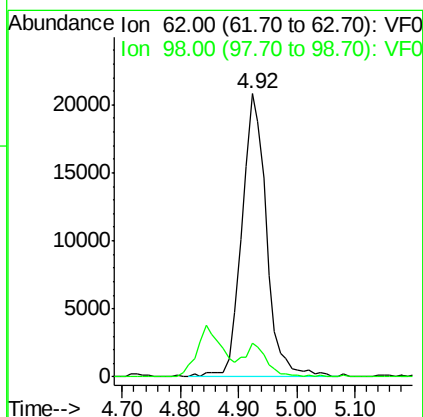
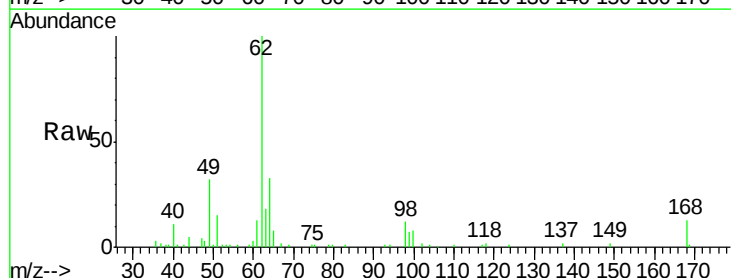
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

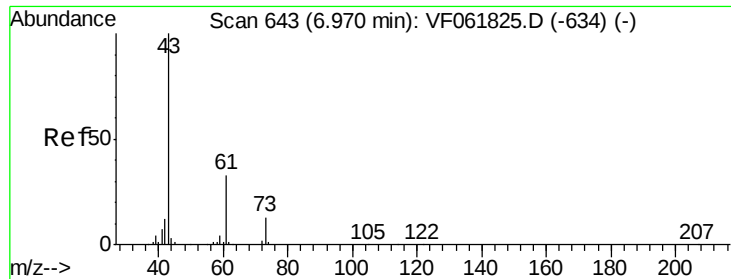
Tot Ion: 41 Resp: 22370
Ion Ratio Lower Upper
41 100
39 55.7 43.0 64.6
67 62.8 47.8 71.8
52 38.1 40.5 60.7#



#42
1,2-Dichloroethane
Concen: 20.848 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.03 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion: 62 Resp: 61364
Ion Ratio Lower Upper
62 100
98 12.1 0.0 21.0



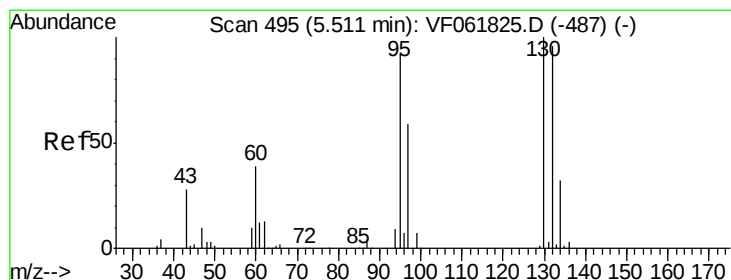
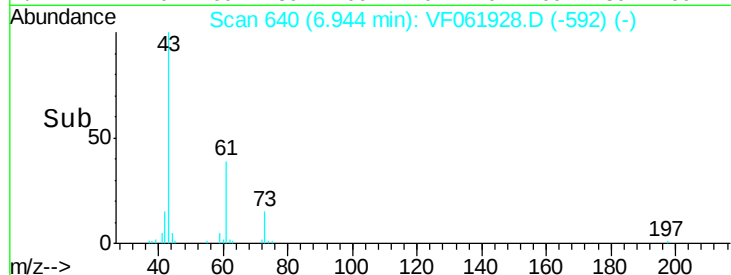
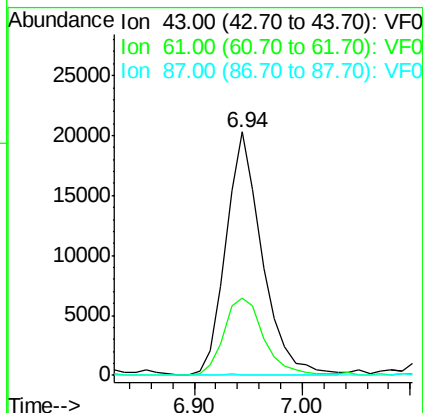
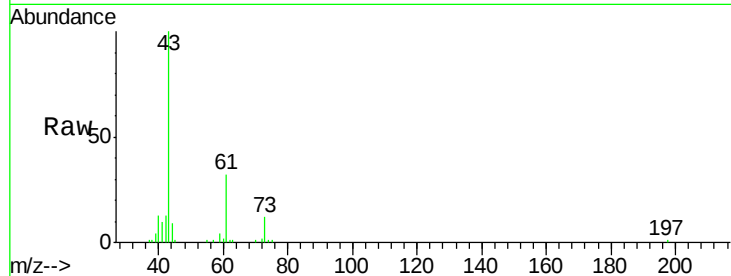


#43

Isopropyl Acetate
 Concen: 20.280 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.03 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

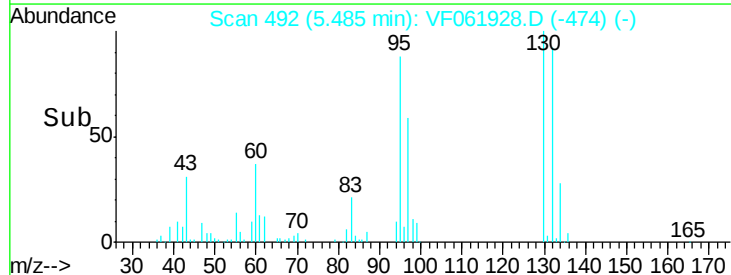
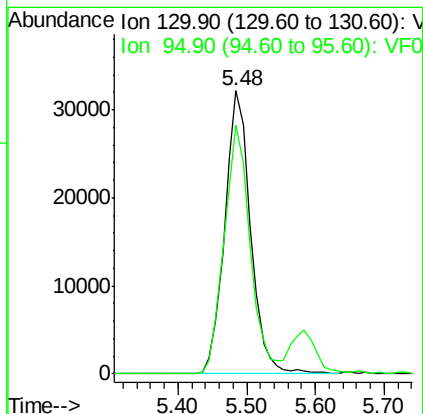
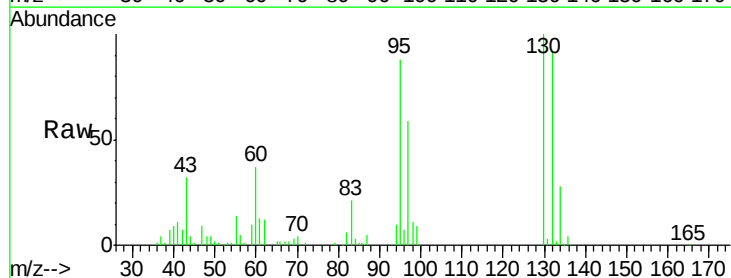
Tot Ion: 43 Resp: 47413
 Ion Ratio Lower Upper
 43 100
 61 31.9 26.1 39.1
 87 0.0 0.0 0.0

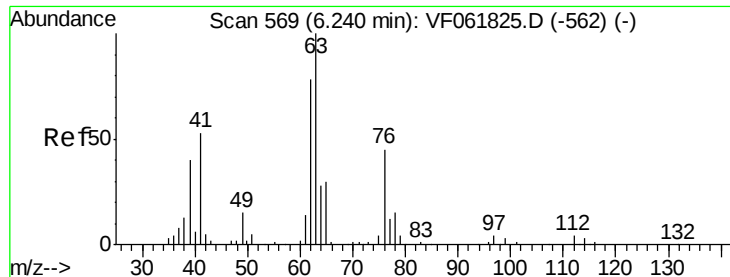


#44

Trichloroethene
 Concen: 22.745 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

Tgt Ion: 130 Resp: 83486
 Ion Ratio Lower Upper
 130 100
 95 87.9 0.0 184.0





#45

1,2-Dichloropropane

Concen: 22.126 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

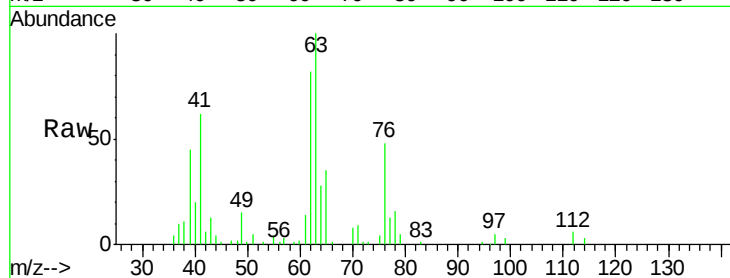
VF0313SBS01

Tot Ion: 63 Resp: 62142

Ion Ratio Lower Upper

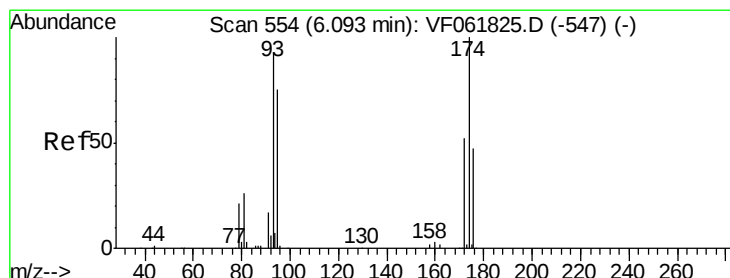
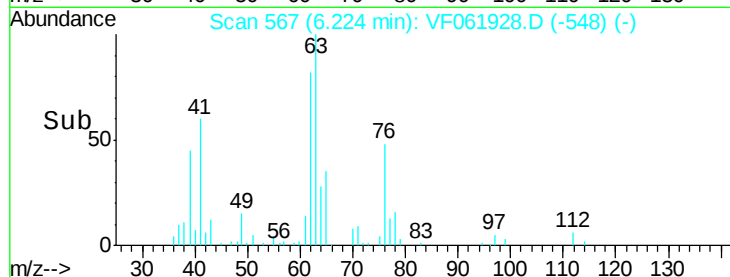
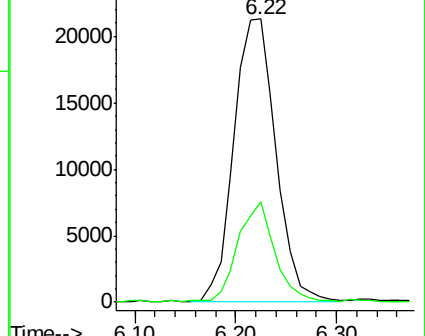
63 100

65 35.3 24.0 36.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.135 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

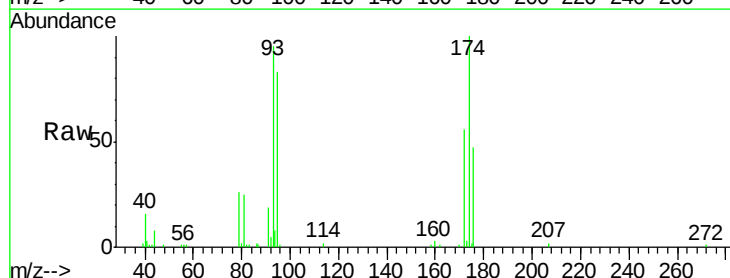
Tgt Ion: 93 Resp: 37359

Ion Ratio Lower Upper

93 100

95 86.6 64.4 96.6

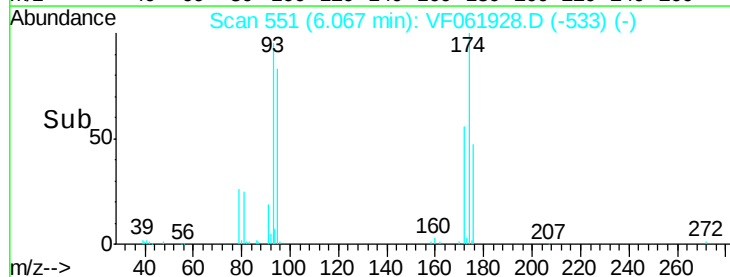
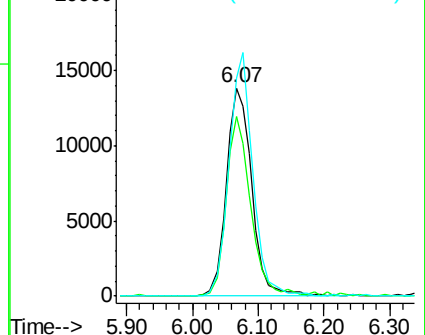
174 104.8 85.8 128.6

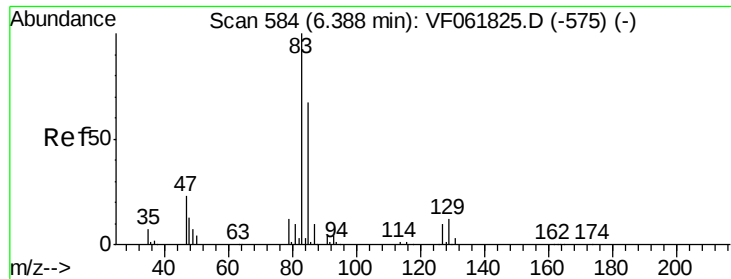


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.125 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

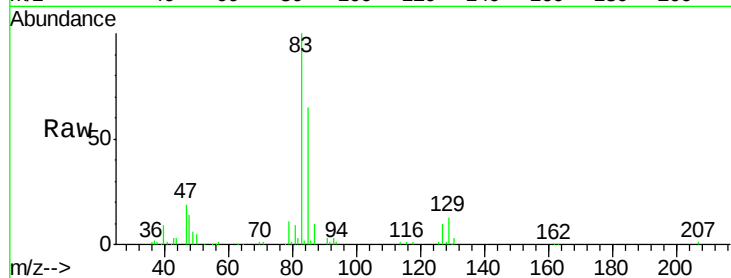
Tot Ion: 83 Resp: 86399

Ion Ratio Lower Upper

83 100

85 65.1 53.6 80.4

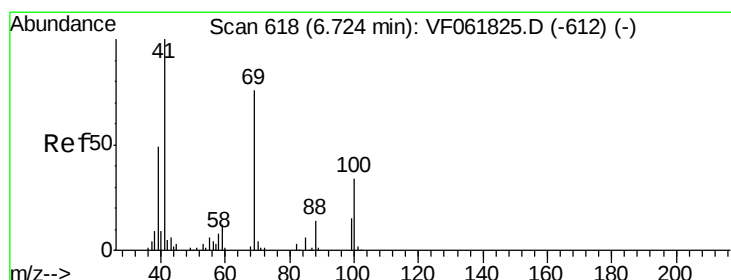
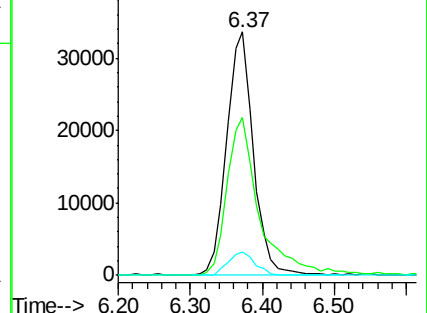
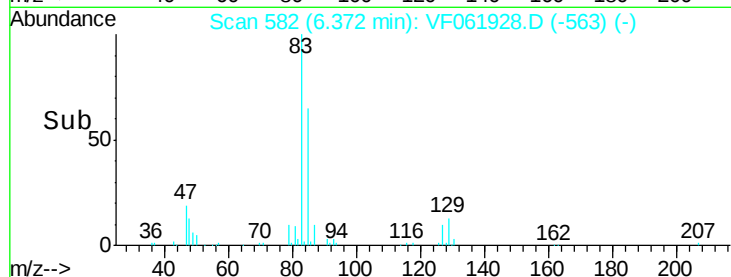
127 9.9 8.1 12.1



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: 20.138 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

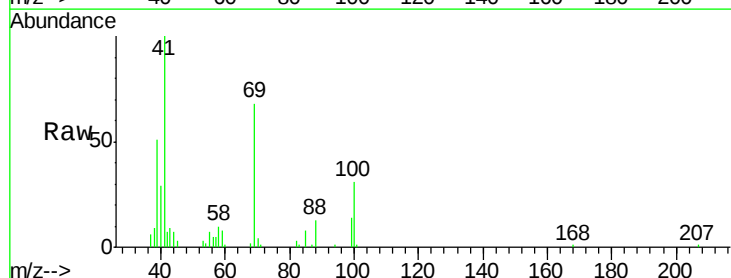
Tgt Ion: 41 Resp: 29796

Ion Ratio Lower Upper

41 100

69 67.9 60.4 90.6

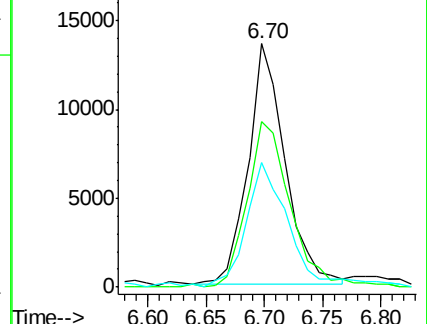
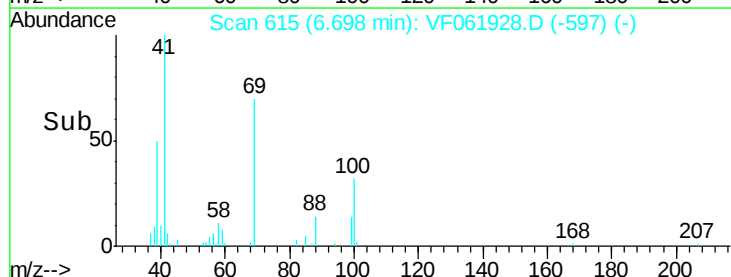
39 51.1 39.7 59.5



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: 373.512 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

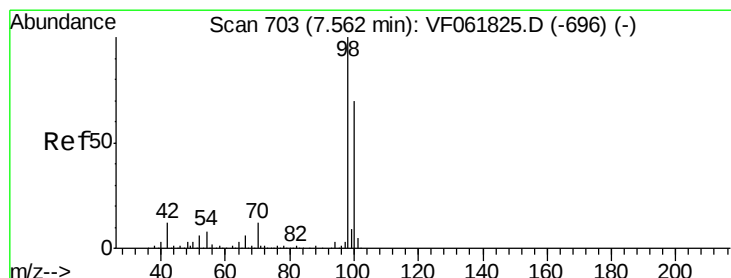
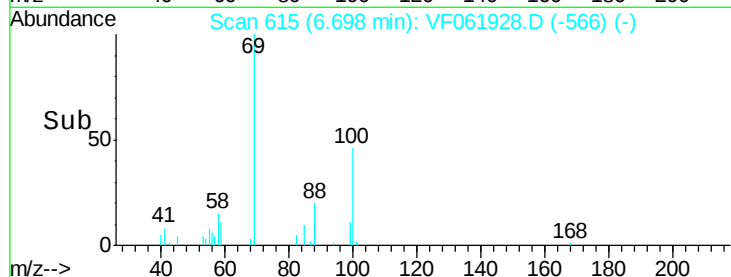
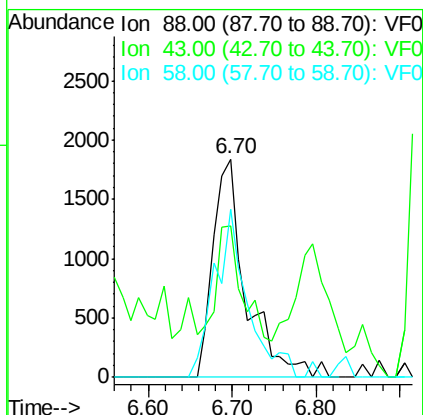
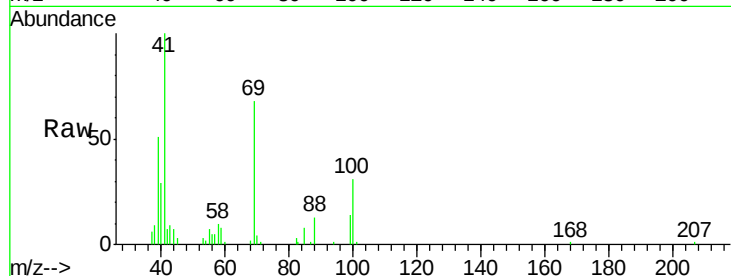
Tot Ion: 88 Resp: 5052

Ion Ratio Lower Upper

88 100

43 69.5 28.4 42.6#

58 76.7 50.7 76.1#



#50

Toluene-d8

Concen: 50.625 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061928.D

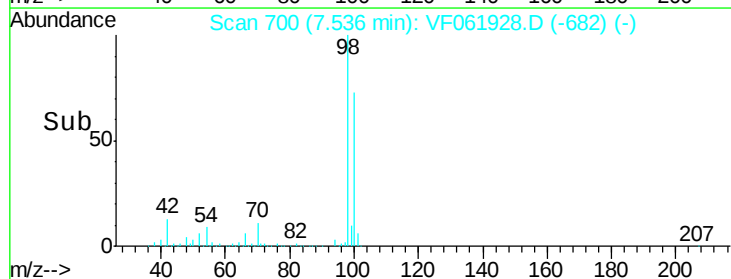
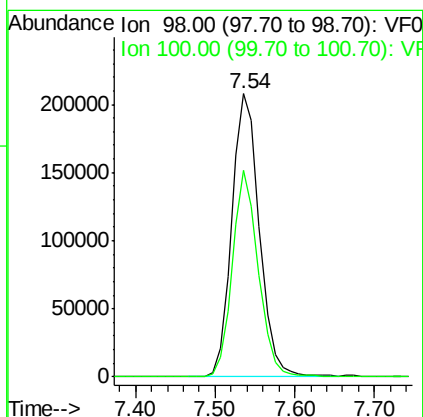
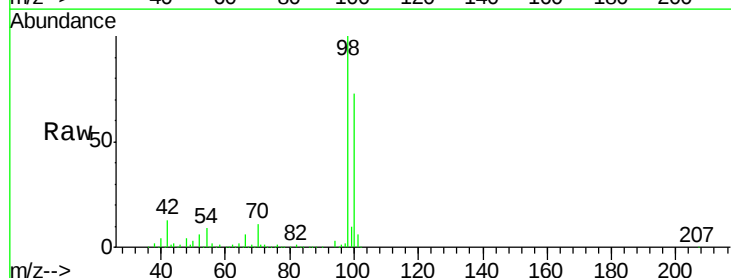
Acq: 13 Mar 2019 15:29

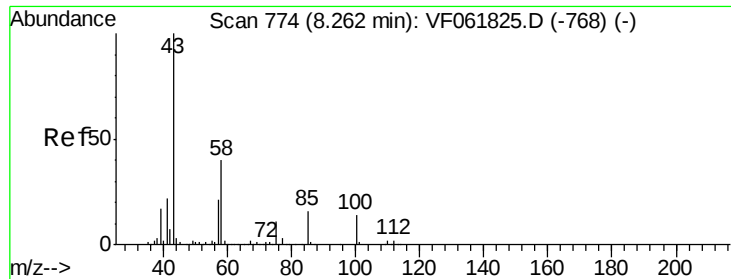
Tgt Ion: 98 Resp: 502327

Ion Ratio Lower Upper

98 100

100 73.1 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 110.225 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

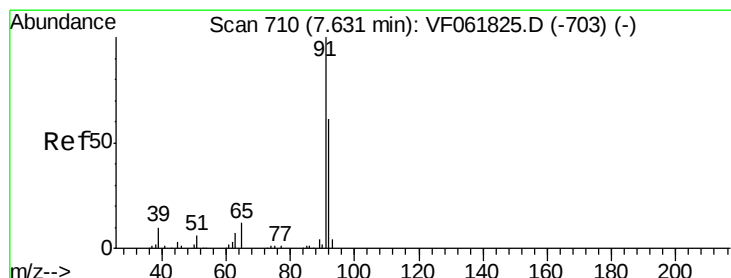
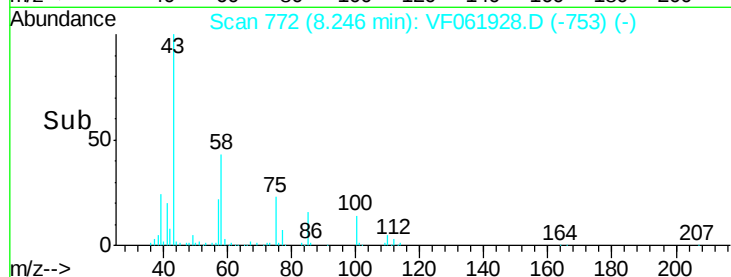
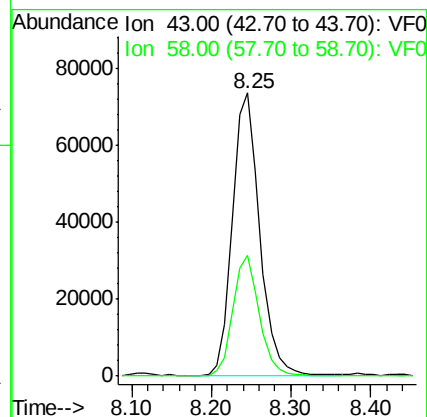
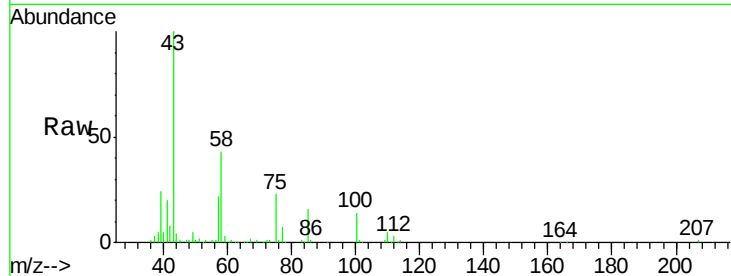
VF0313SBS01

Tot Ion: 43 Resp: 178102

Ion Ratio Lower Upper

43 100

58 42.6 31.8 47.8



#52

Toluene

Concen: 20.879 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061928.D

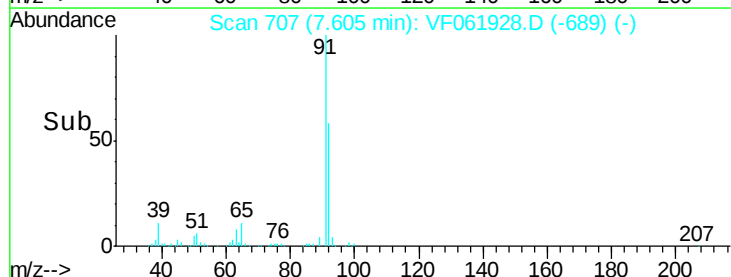
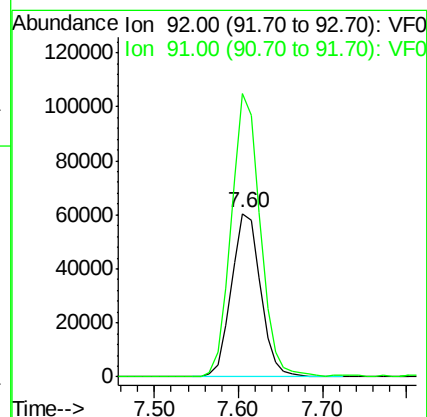
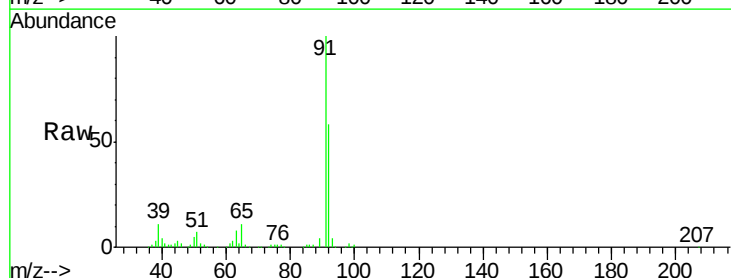
Acq: 13 Mar 2019 15:29

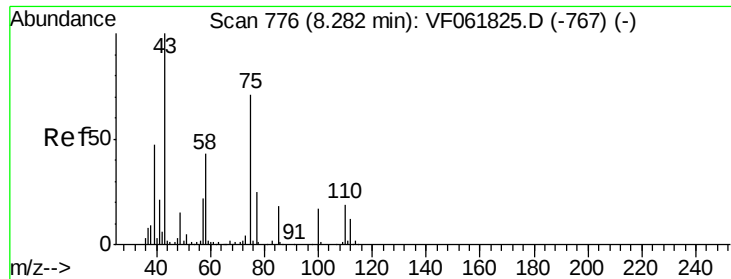
Tgt Ion: 92 Resp: 145887

Ion Ratio Lower Upper

92 100

91 173.3 132.0 198.0

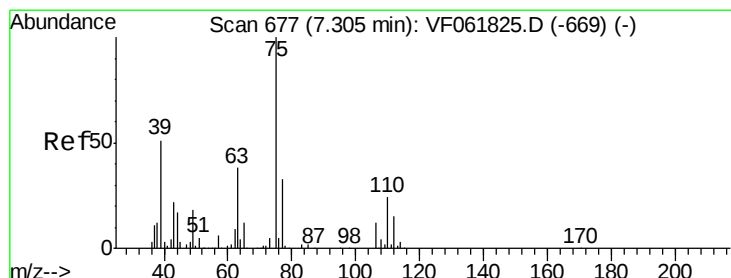
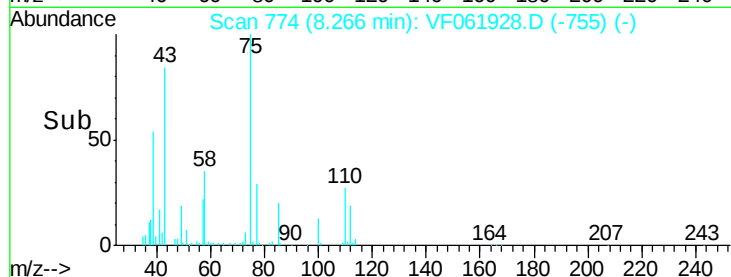
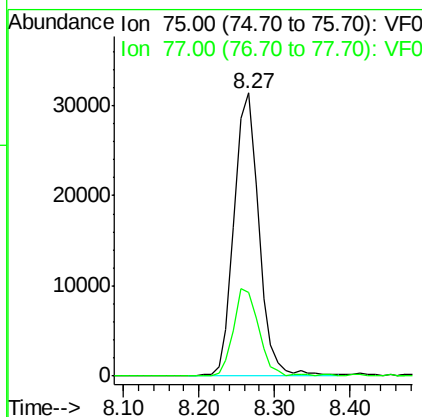
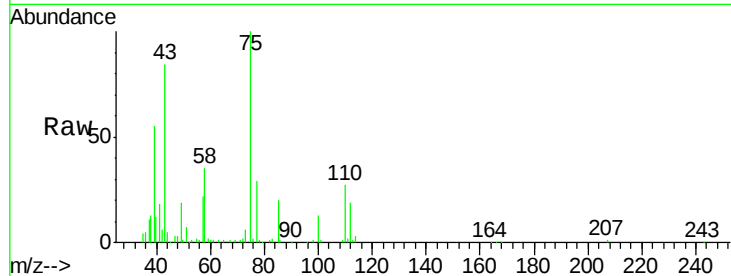




#53
 t-1,3-Dichloropropene
 Concen: 22.140 ug/l
 RT: 8.27 min Scan# 774
 Delta R.T. -0.02 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

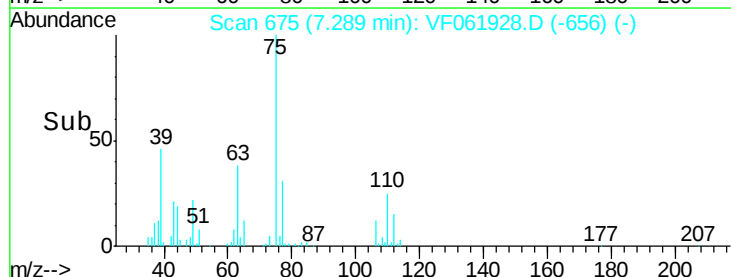
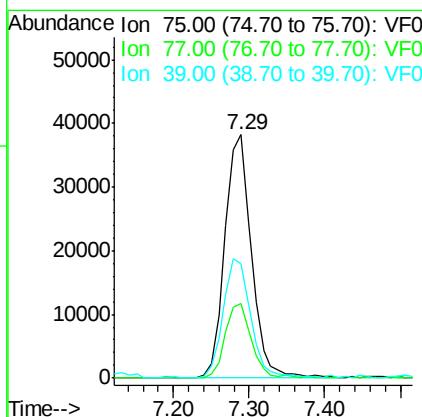
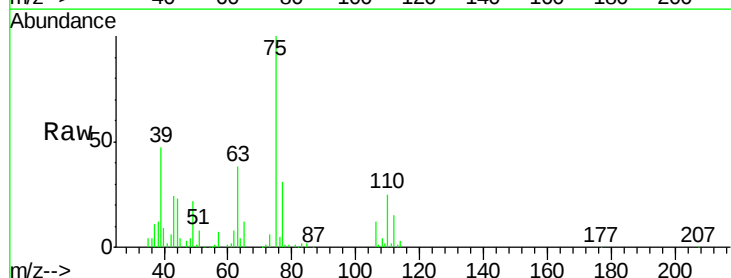
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

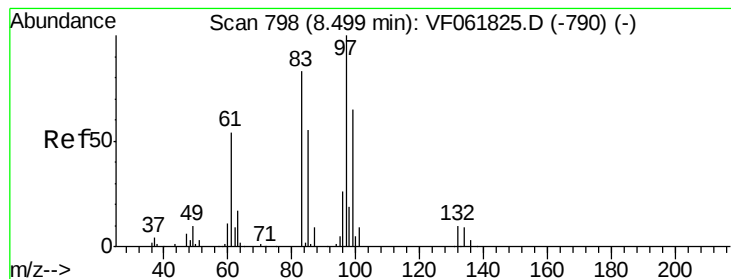
Tot Ion: 75 Resp: 71367
 Ion Ratio Lower Upper
 75 100
 77 29.5 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.953 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

Tgt Ion: 75 Resp: 93160
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.3 39.5
 39 47.2 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 21.119 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

Tot Ion: 97 Resp: 42517

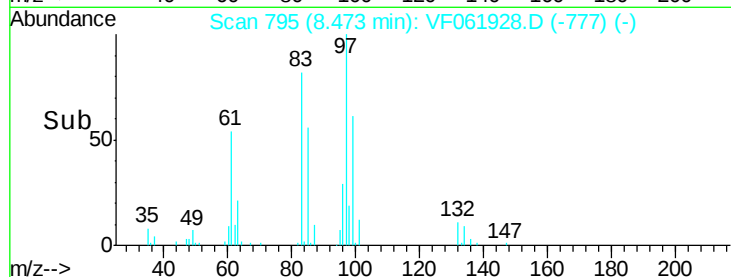
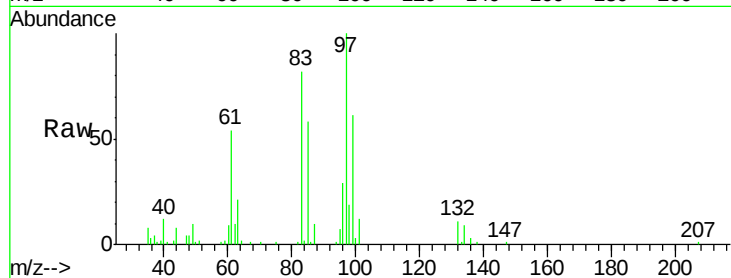
Ion	Ratio	Lower	Upper
97	100		
83	82.0	66.5	99.7
85	57.8	44.2	66.2
99	60.7	51.8	77.6

97 100

83 82.0 66.5 99.7

85 57.8 44.2 66.2

99 60.7 51.8 77.6

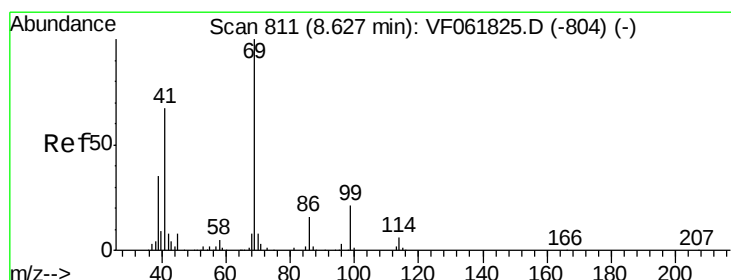
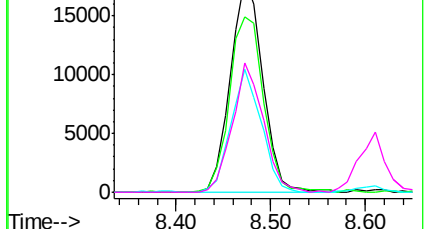


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 21.157 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

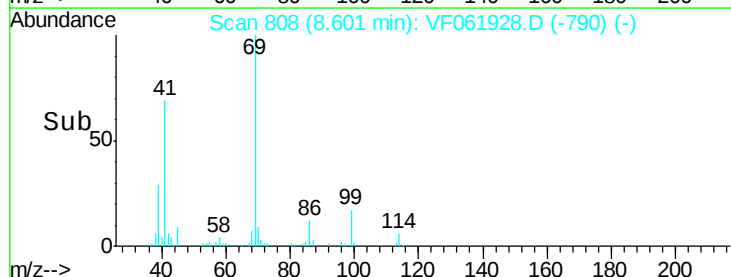
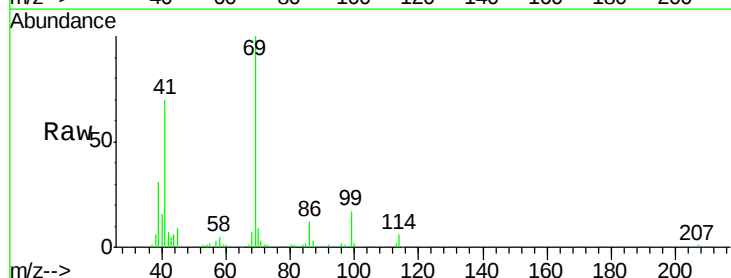
Tgt Ion: 69 Resp: 48002

Ion	Ratio	Lower	Upper
69	100		
41	69.6	53.9	80.9
39	30.7	28.3	42.5

69 100

41 69.6 53.9 80.9

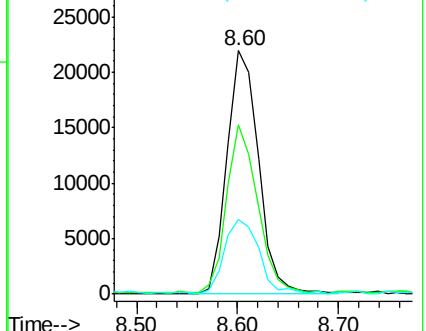
39 30.7 28.3 42.5

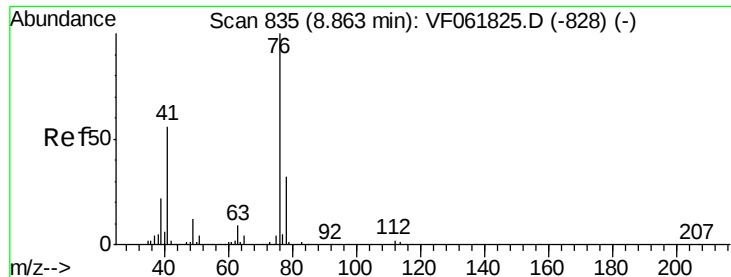


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.032 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

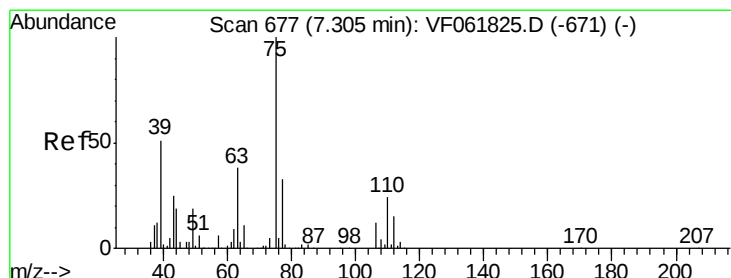
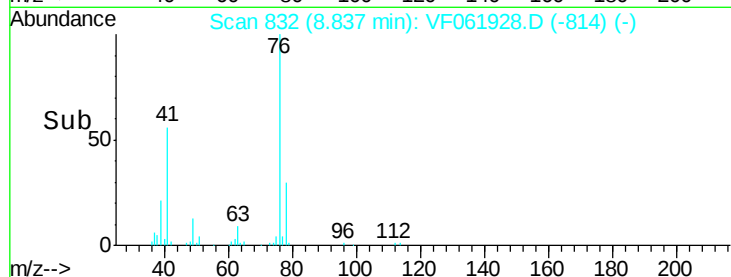
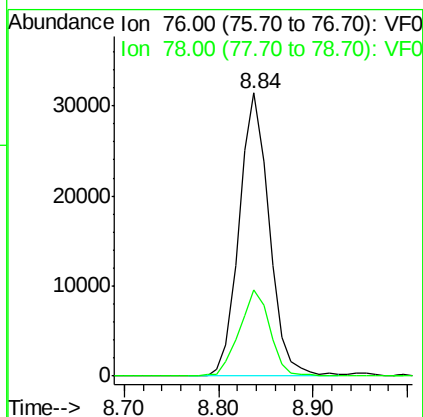
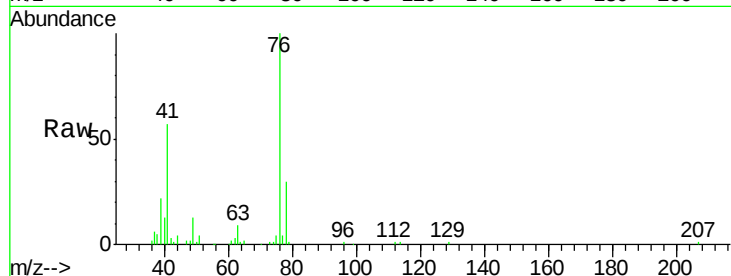
VF0313SBS01

Tot Ion: 76 Resp: 69244

Ion Ratio Lower Upper

76 100

78 30.4 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 117.848 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061928.D

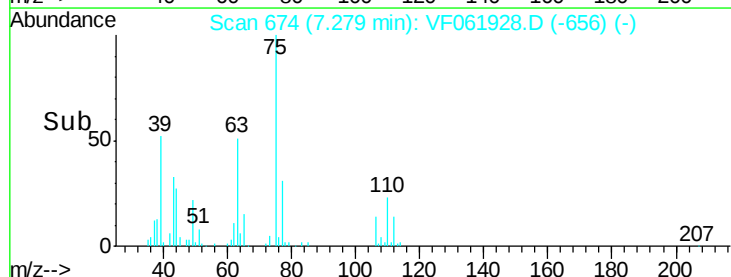
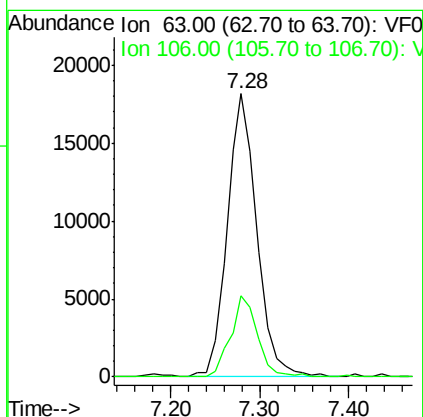
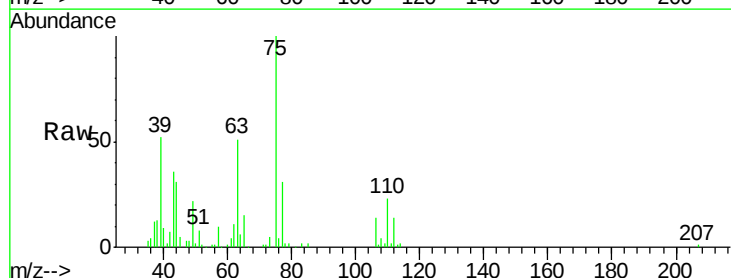
Acq: 13 Mar 2019 15:29

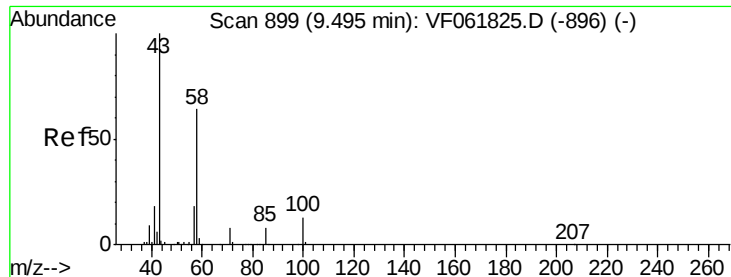
Tgt Ion: 63 Resp: 42297

Ion Ratio Lower Upper

63 100

106 28.5 24.3 36.5

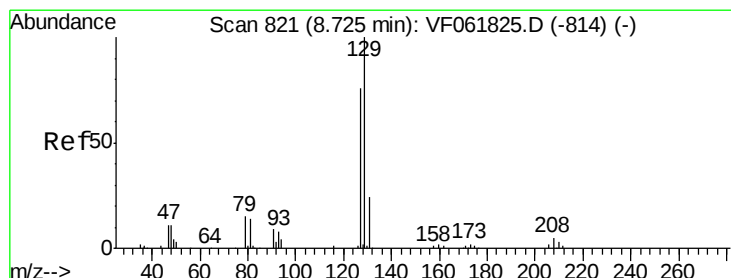
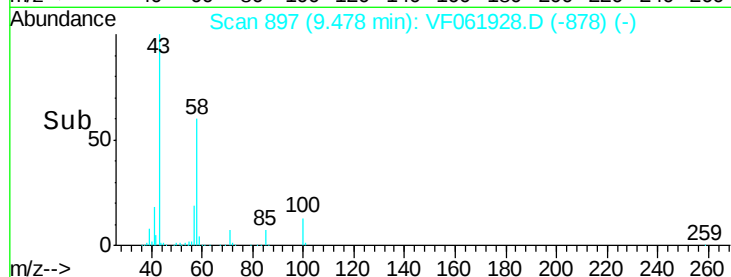
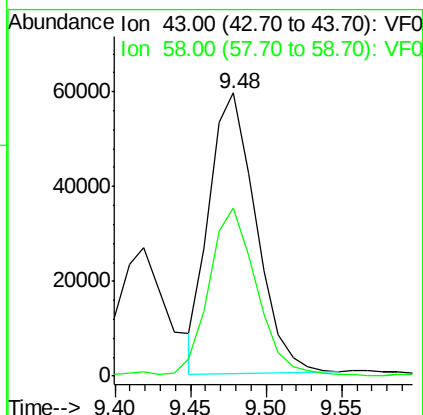
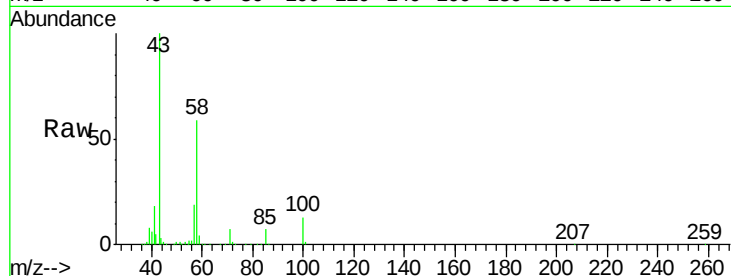




#59
2-Hexanone
Concen: 109.224 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

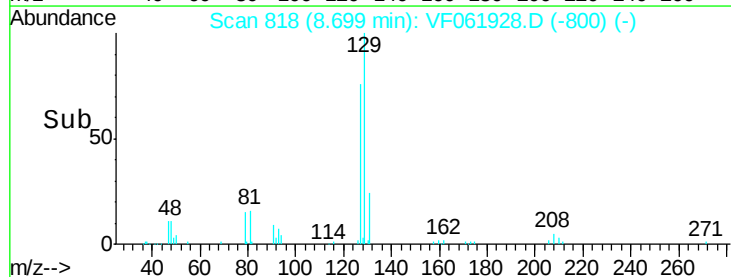
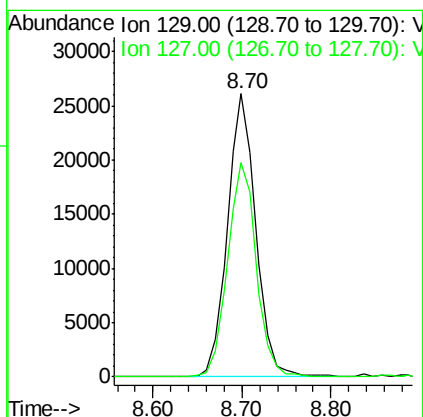
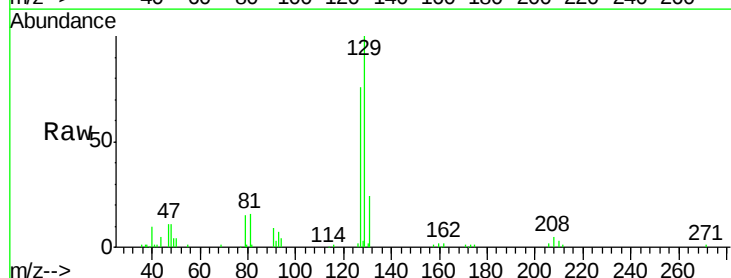
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

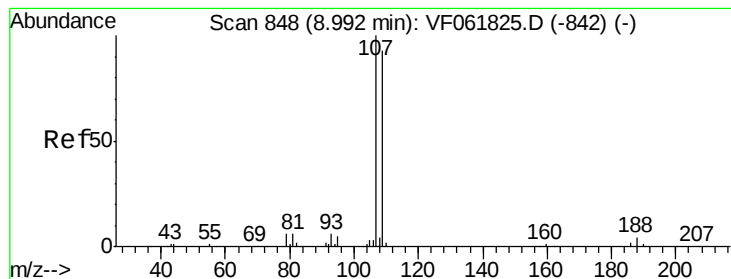
Tot Ion: 43 Resp: 127319
Ion Ratio Lower Upper
43 100
58 59.4 28.8 86.4



#60
Dibromochloromethane
Concen: 20.303 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.03 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion: 129 Resp: 58256
Ion Ratio Lower Upper
129 100
127 75.6 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.826 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

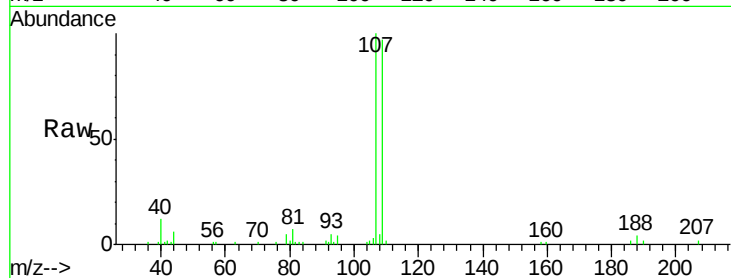
VF0313SBS01

Tot Ion:107 Resp: 46105

Ion Ratio Lower Upper

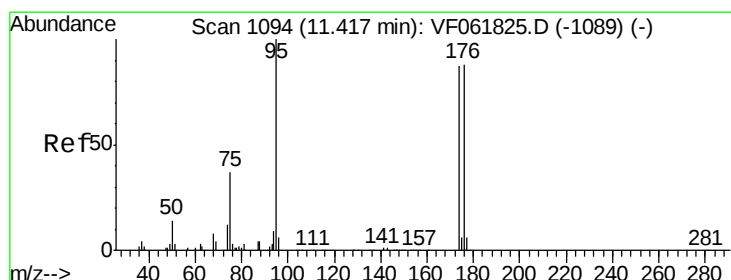
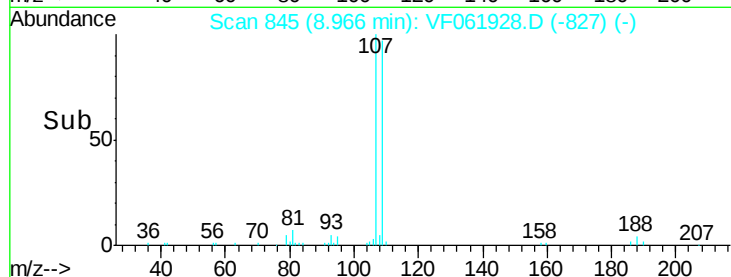
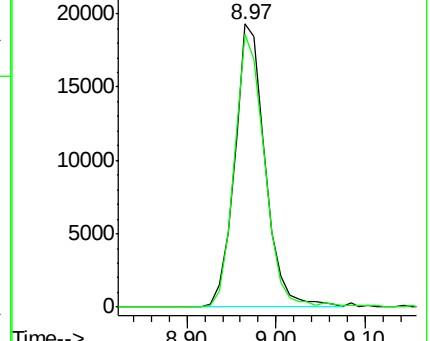
107 100

109 96.6 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.549 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

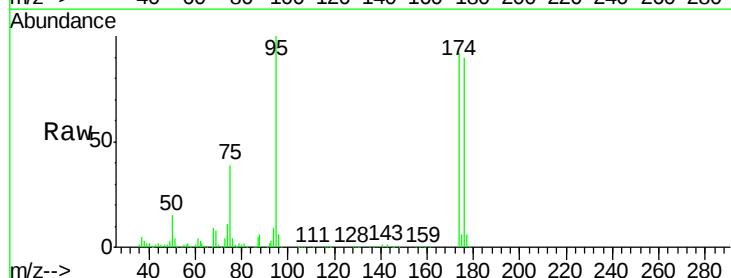
Tgt Ion: 95 Resp: 200365

Ion Ratio Lower Upper

95 100

174 92.1 0.0 174.0

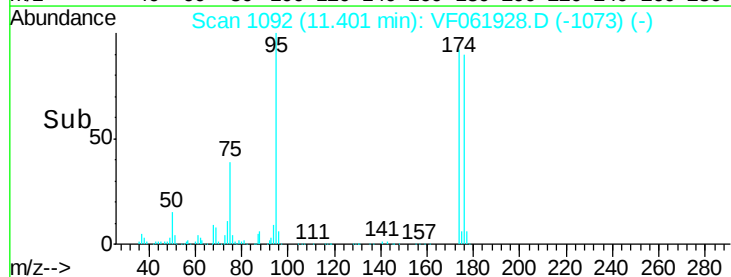
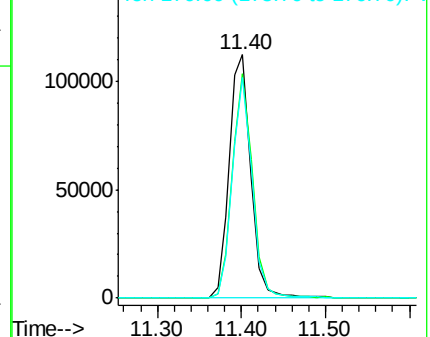
176 90.5 0.0 175.2

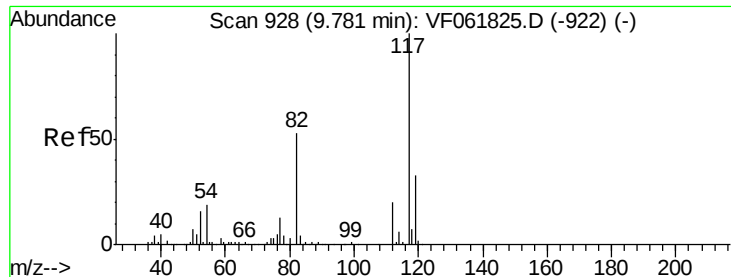


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

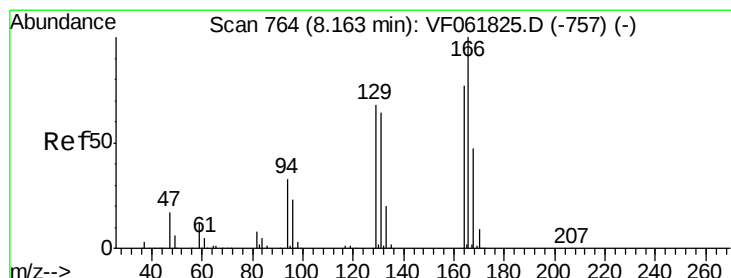
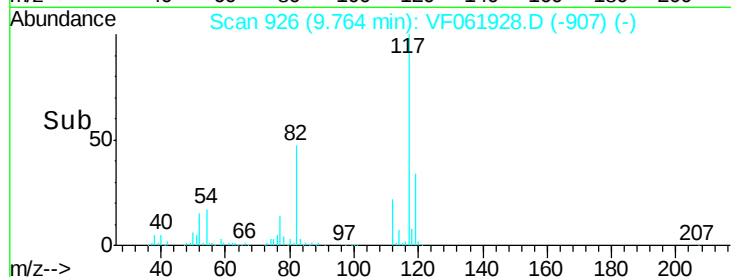
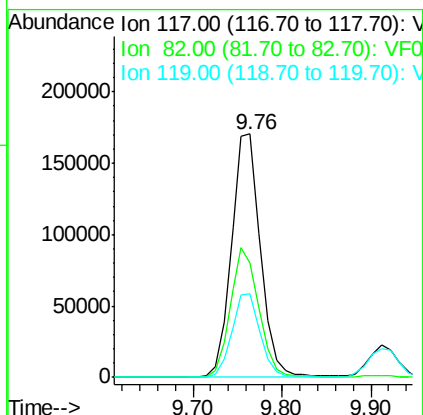
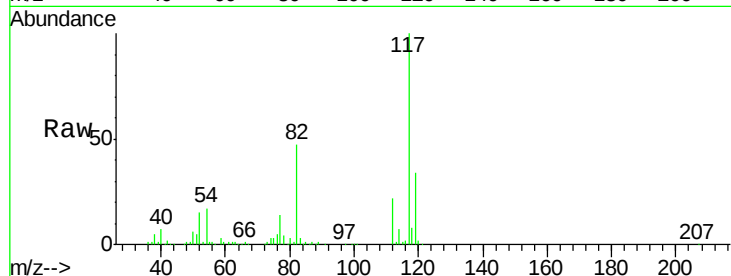




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

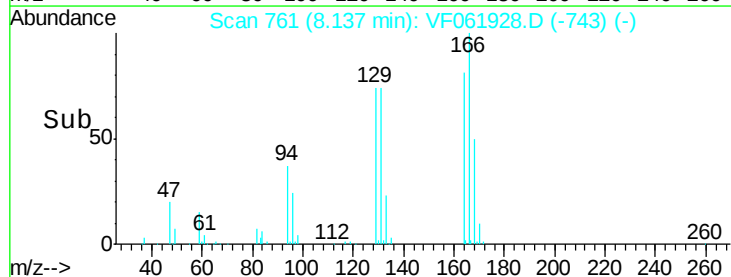
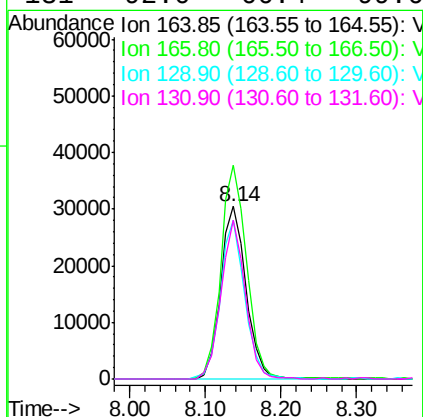
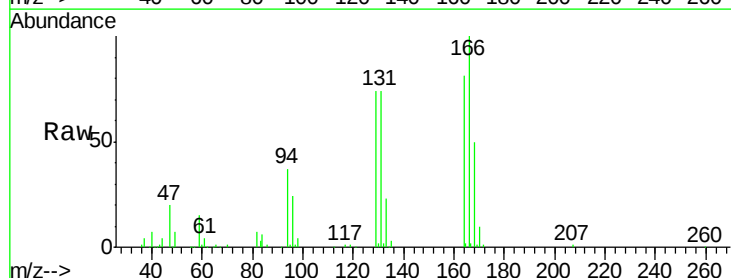
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

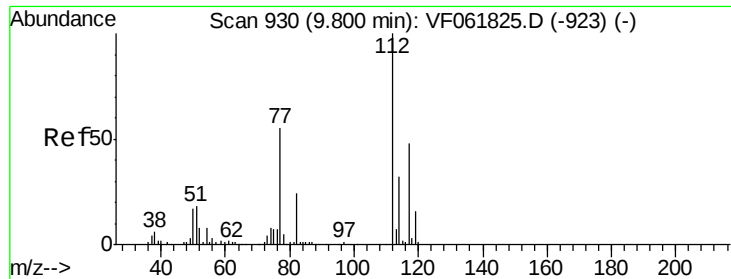
Tot Ion:117 Resp: 389998
Ion Ratio Lower Upper
117 100
82 46.9 42.6 63.8
119 34.3 26.0 39.0



#64
Tetrachloroethene
Concen: 23.713 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.03 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion:164 Resp: 71060
Ion Ratio Lower Upper
164 100
166 123.9 103.4 155.0
129 91.8 69.9 104.9
131 92.0 66.4 99.6

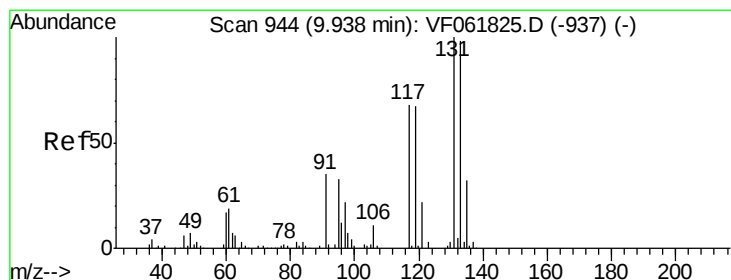
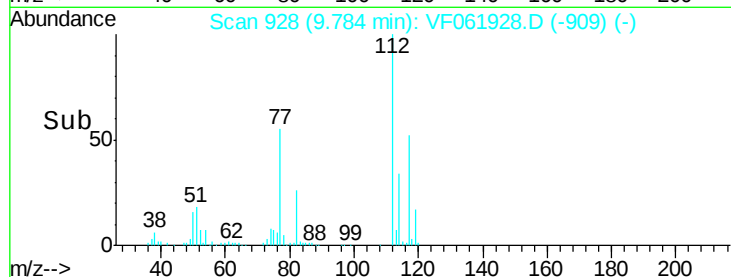
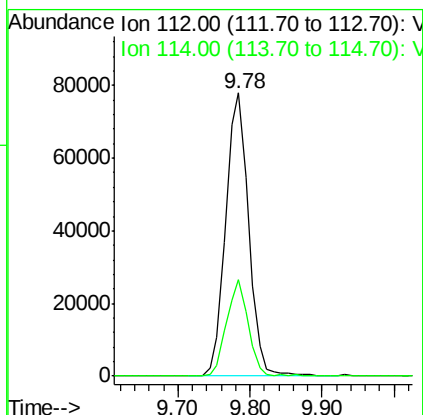
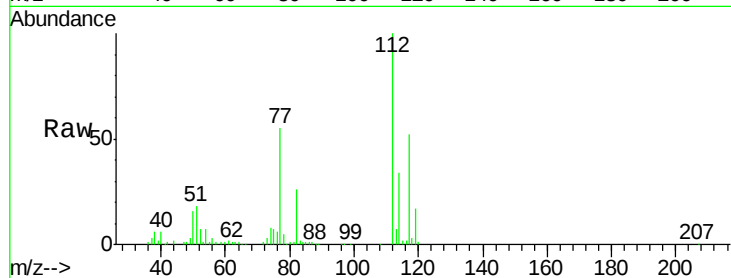




#65
Chlorobenzene
Concen: 23.091 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.02 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

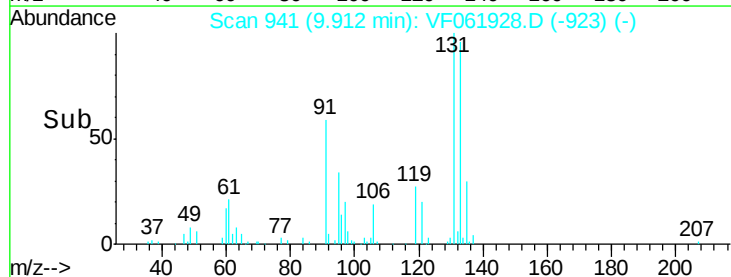
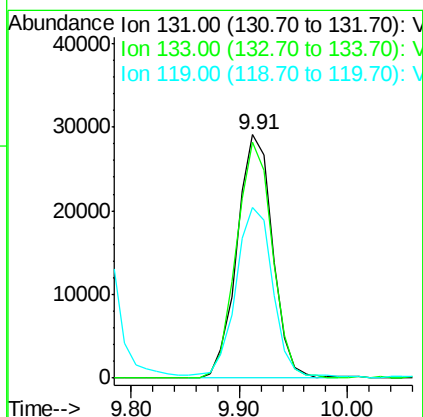
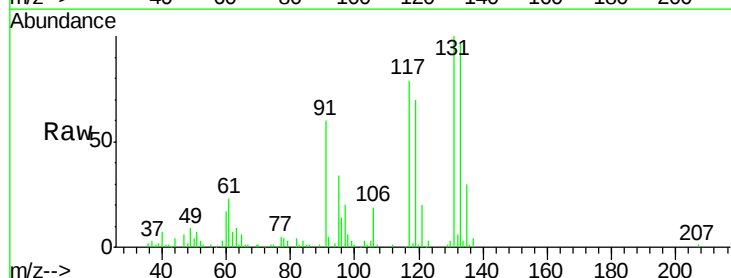
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

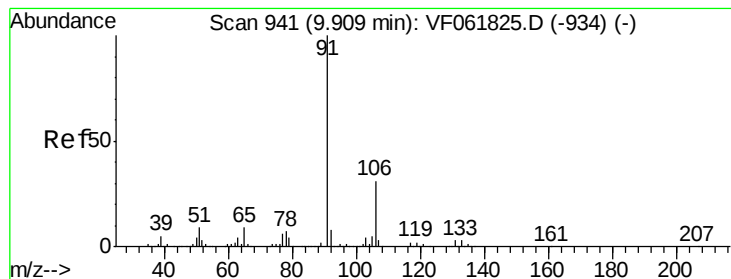
Tot Ion:112 Resp: 173012
Ion Ratio Lower Upper
112 100
114 34.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 22.949 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.03 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion:131 Resp: 66621
Ion Ratio Lower Upper
131 100
133 96.9 48.9 146.7
119 70.1 33.6 100.8





#67

Ethyl Benzene

Concen: 24.324 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

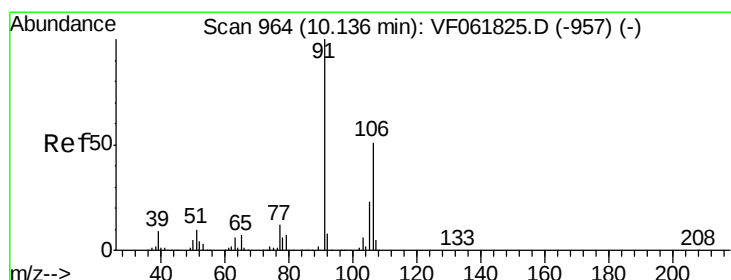
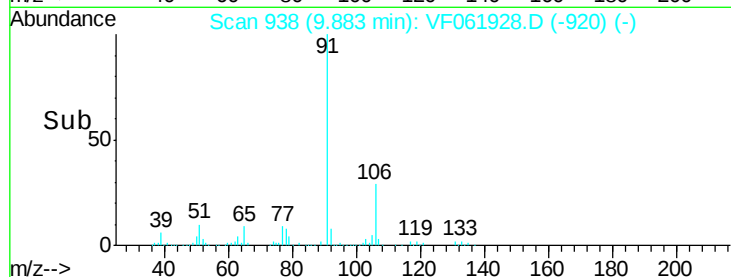
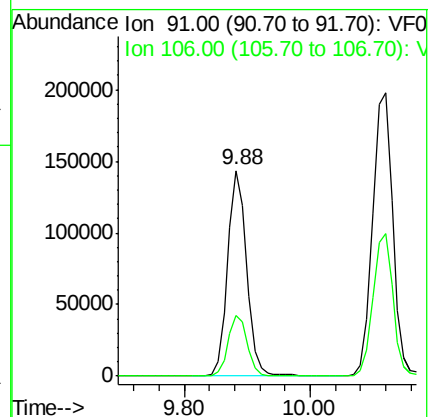
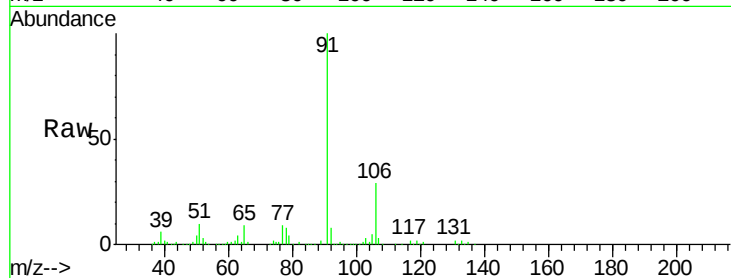
VF0313SBS01

Tot Ion: 91 Resp: 302081

Ion Ratio Lower Upper

91 100

106 29.4 25.0 37.4



#68

m/p-Xylenes

Concen: 46.456 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF061928.D

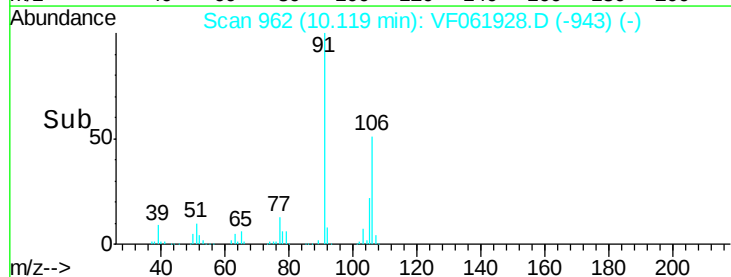
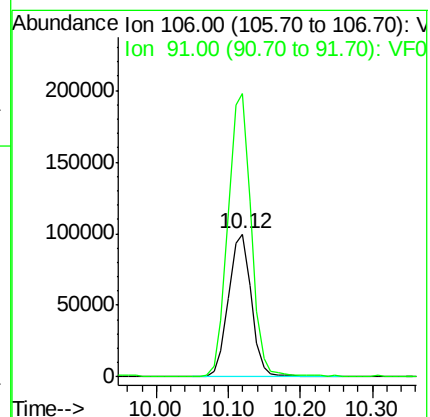
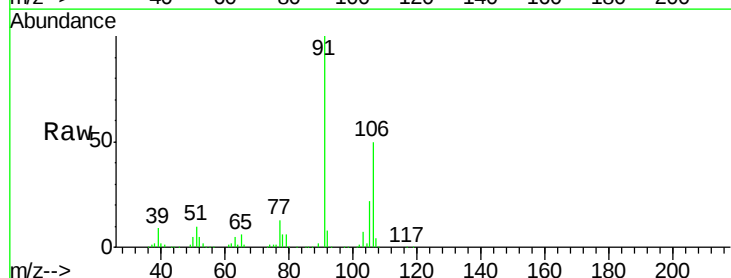
Acq: 13 Mar 2019 15:29

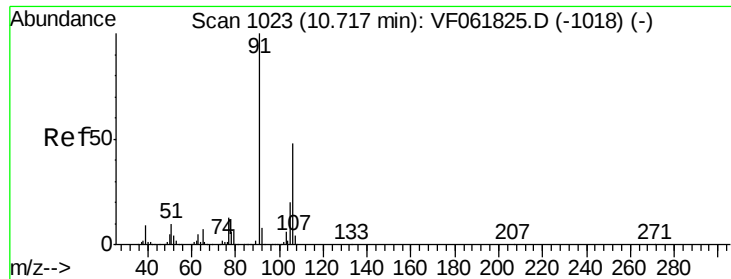
Tgt Ion: 106 Resp: 221013

Ion Ratio Lower Upper

106 100

91 198.3 157.5 236.3

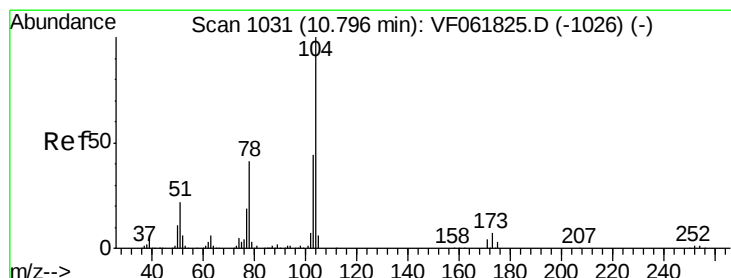
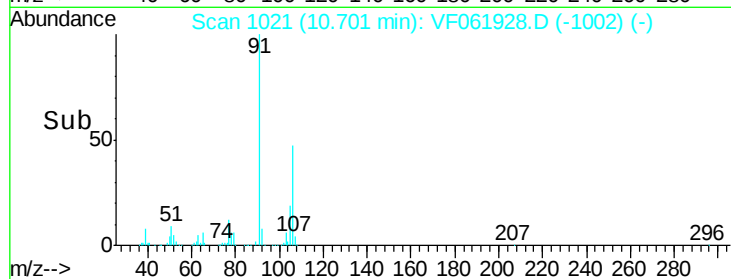
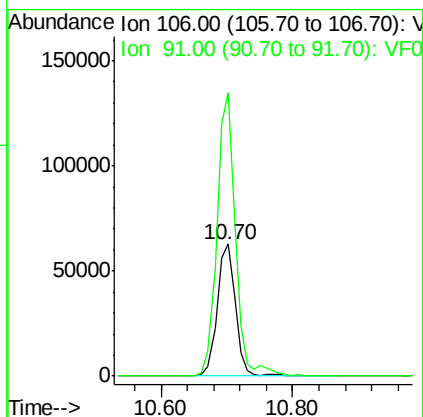
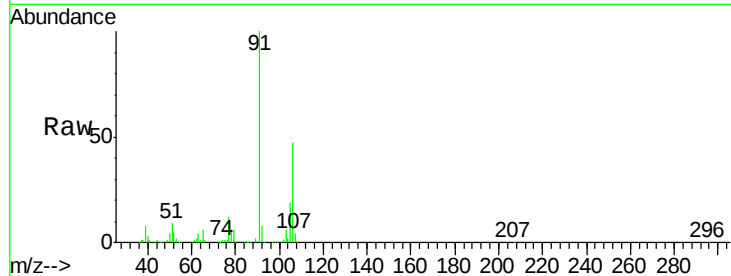




#69
o-Xylene
Concen: 23.710 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

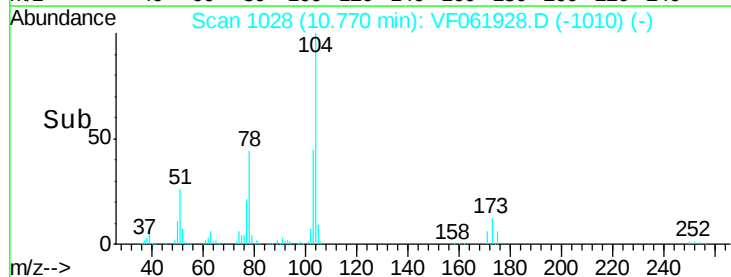
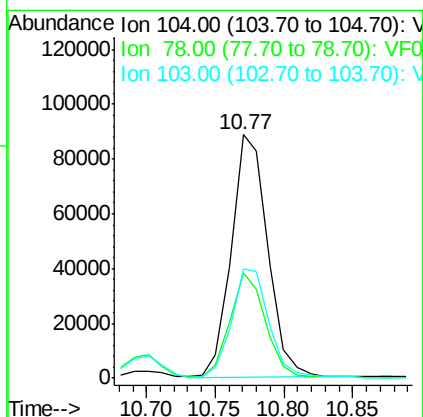
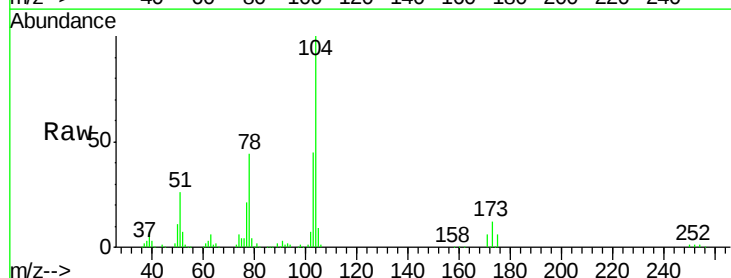
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

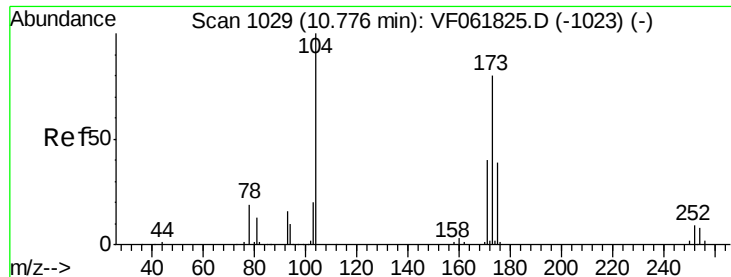
Tot Ion:106 Resp: 121467
Ion Ratio Lower Upper
106 100
91 214.5 103.5 310.3



#70
Styrene
Concen: 22.585 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.03 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion:104 Resp: 162830
Ion Ratio Lower Upper
104 100
78 43.5 33.3 49.9
103 45.1 35.4 53.0





#71

Bromoform

Concen: 21.048 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

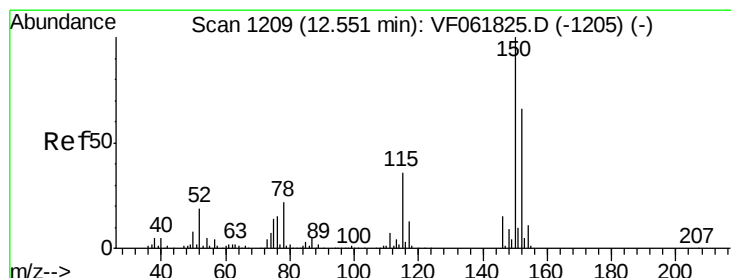
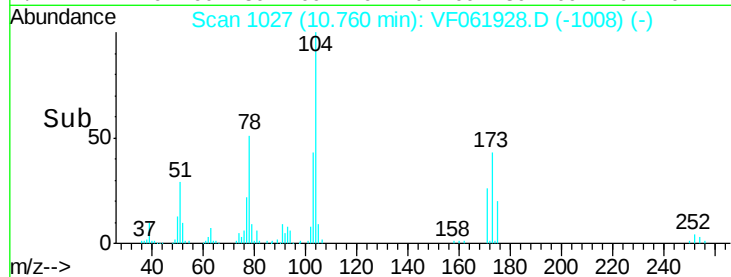
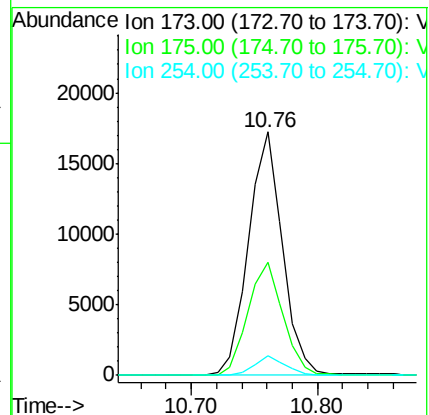
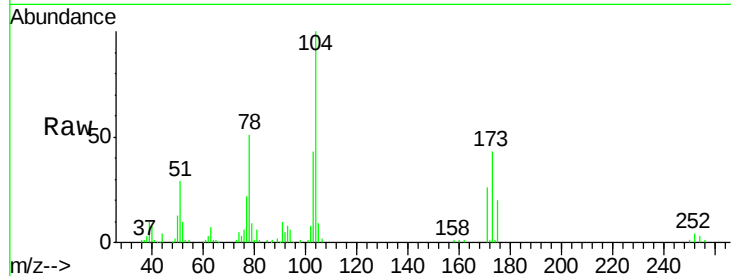
Tot Ion:173 Resp: 32293

Ion Ratio Lower Upper

173 100

175 46.6 24.5 73.5

254 8.2 8.0 12.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

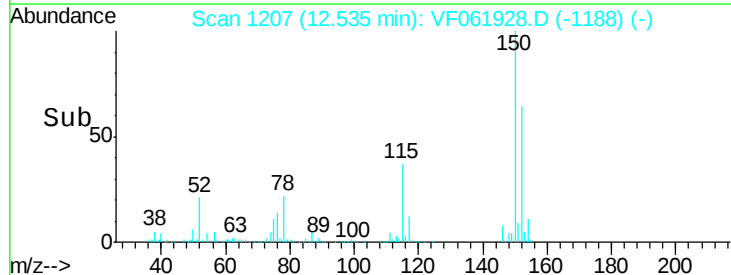
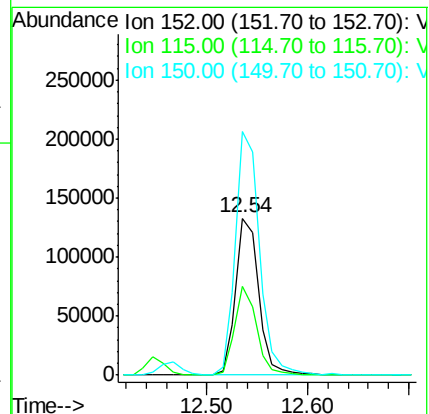
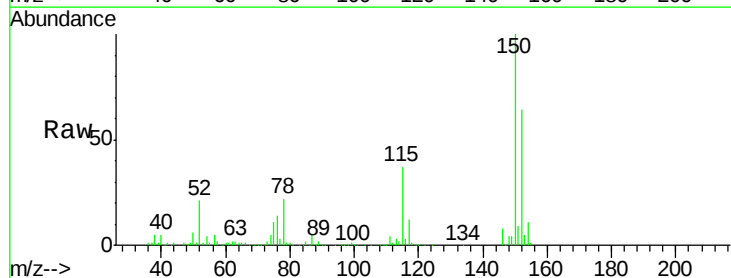
Tgt Ion:152 Resp: 211734

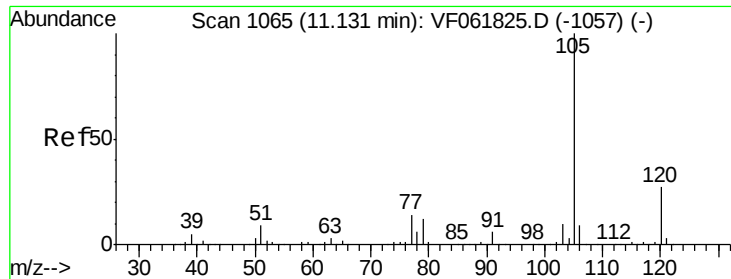
Ion Ratio Lower Upper

152 100

115 56.7 27.7 83.1

150 155.1 0.0 304.2





#73

Isopropylbenzene

Concen: 23.306 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

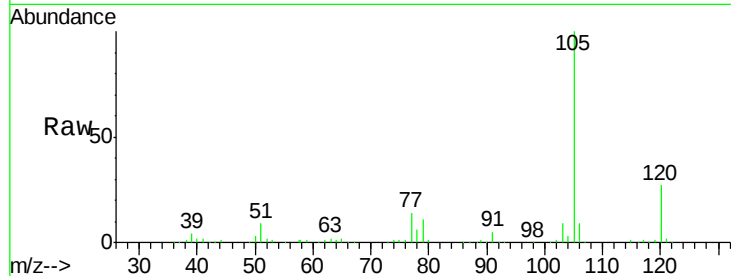
VF0313SBS01

Tot Ion:105 Resp: 339725

Ion Ratio Lower Upper

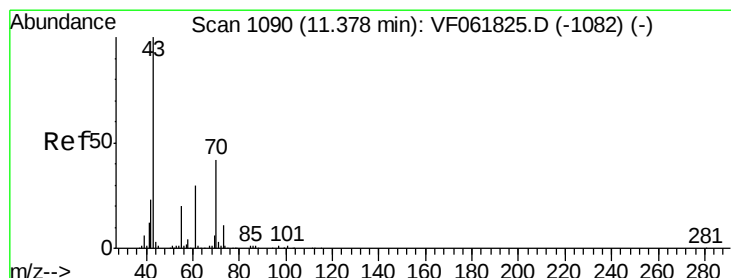
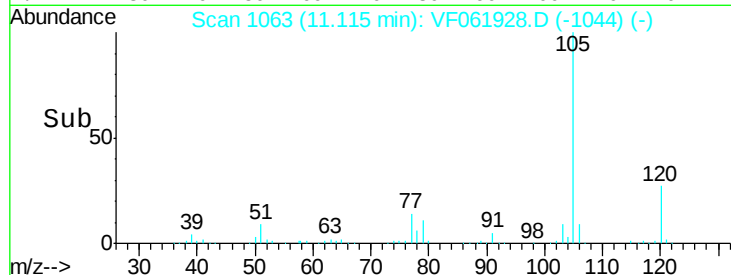
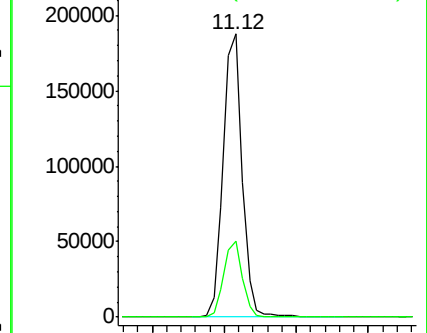
105 100

120 26.9 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.807 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Tgt Ion: 43 Resp: 79892

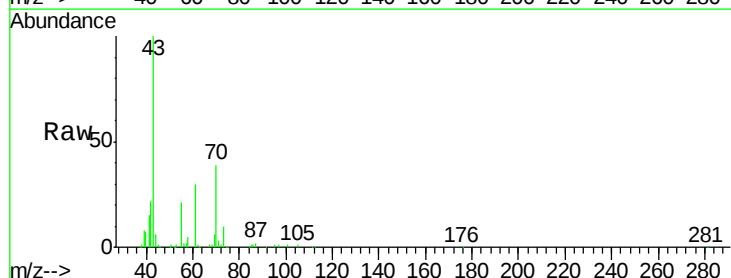
Ion Ratio Lower Upper

43 100

70 39.0 33.4 50.0

55 20.6 16.3 24.5

61 29.6 24.0 36.0

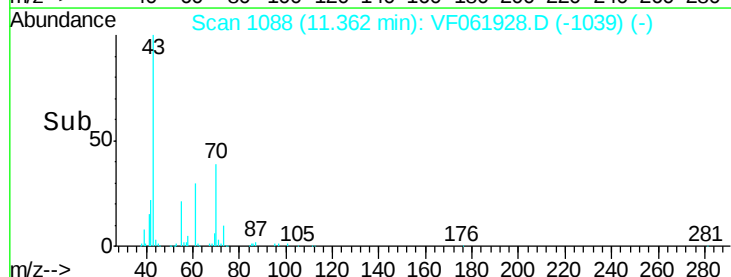
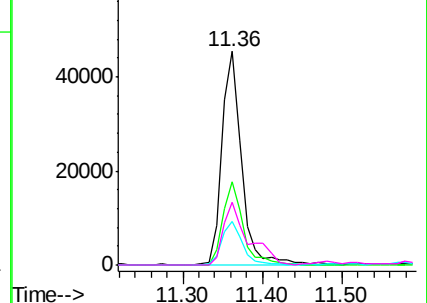


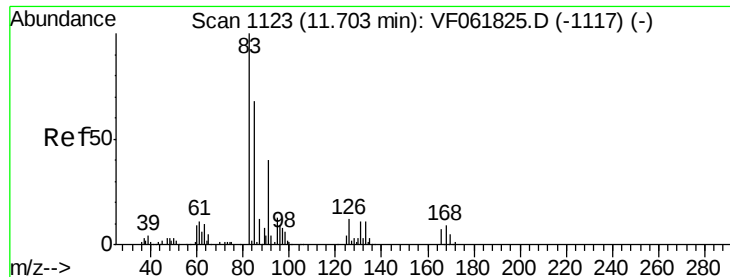
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.529 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

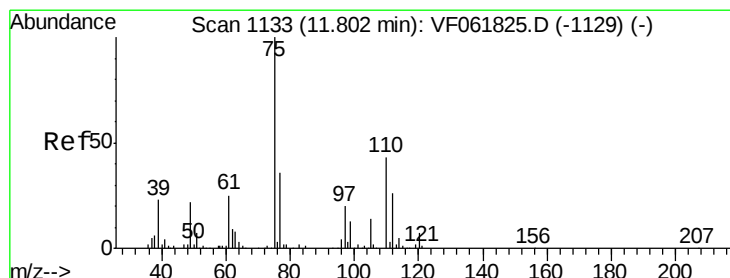
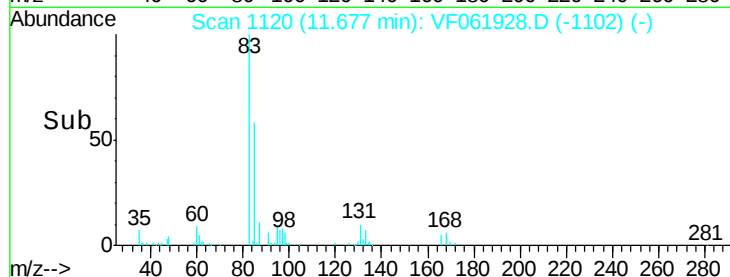
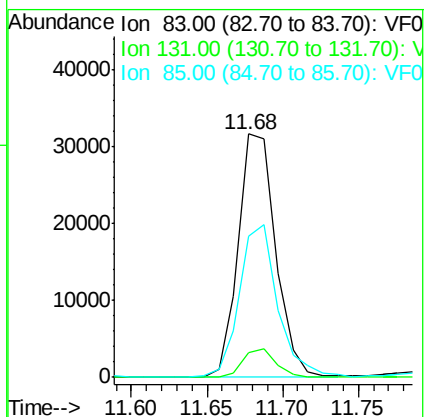
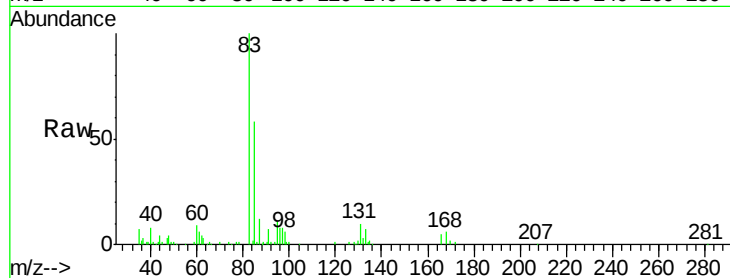
Tot Ion: 83 Resp: 54582

Ion Ratio Lower Upper

83 100

131 10.0 5.5 16.7

85 58.2 34.2 102.6



#76

1,2,3-Trichloropropane

Concen: 22.548 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061928.D

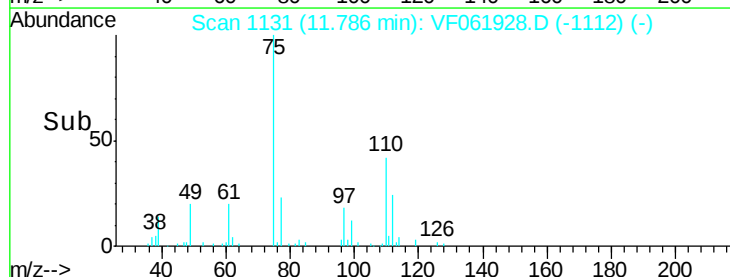
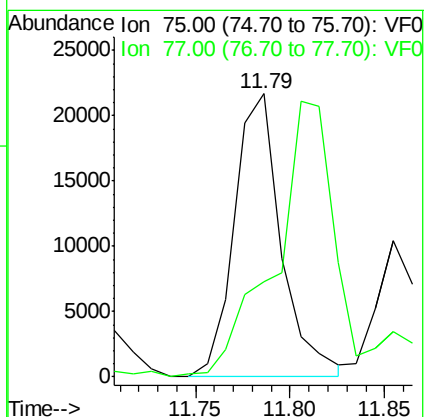
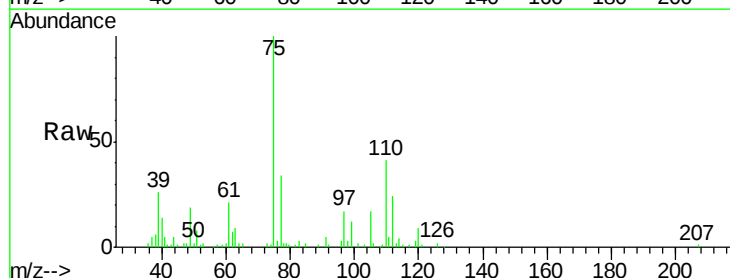
Acq: 13 Mar 2019 15:29

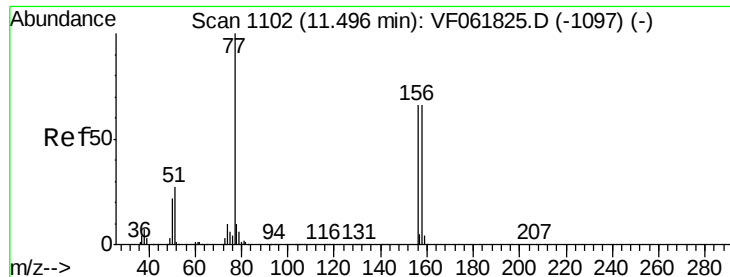
Tgt Ion: 75 Resp: 37284

Ion Ratio Lower Upper

75 100

77 33.7 18.1 54.4





#77

Bromobenzene

Concen: 22.333 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

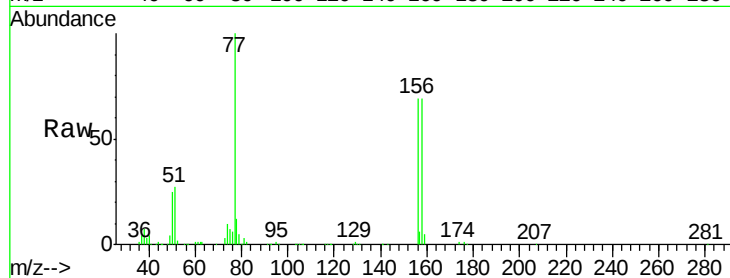
Tot Ion:156 Resp: 78346

Ion Ratio Lower Upper

156 100

77 143.9 75.7 227.1

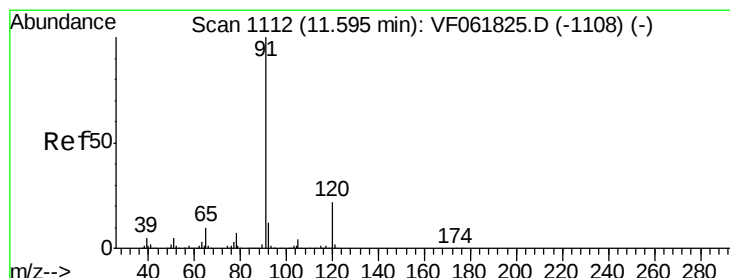
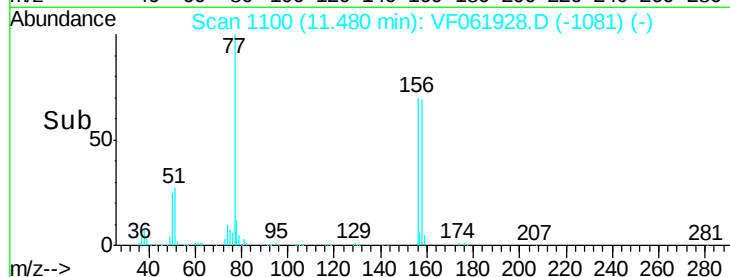
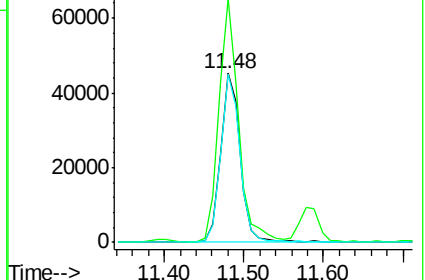
158 99.6 50.0 150.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 24.238 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF061928.D

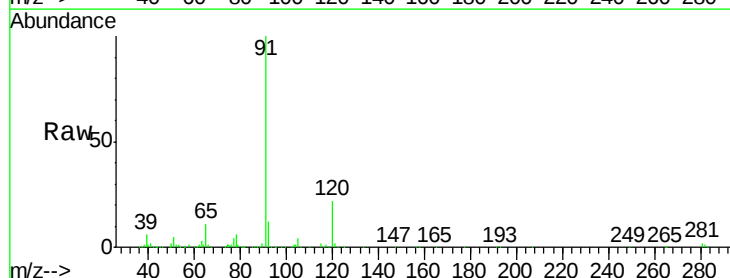
Acq: 13 Mar 2019 15:29

Tgt Ion: 91 Resp: 398997

Ion Ratio Lower Upper

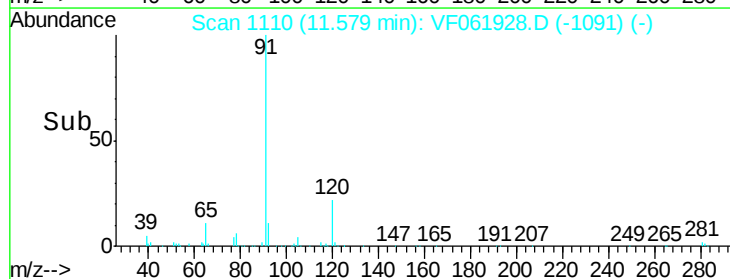
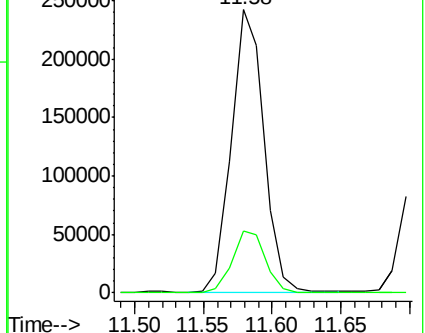
91 100

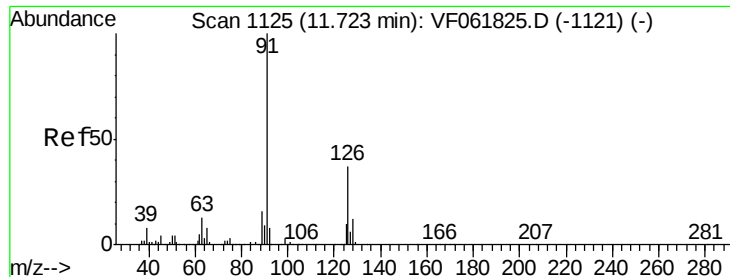
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.004 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

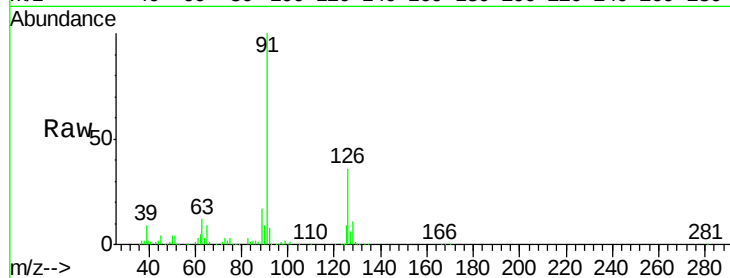
VF0313SBS01

Tot Ion: 91 Resp: 216497

Ion Ratio Lower Upper

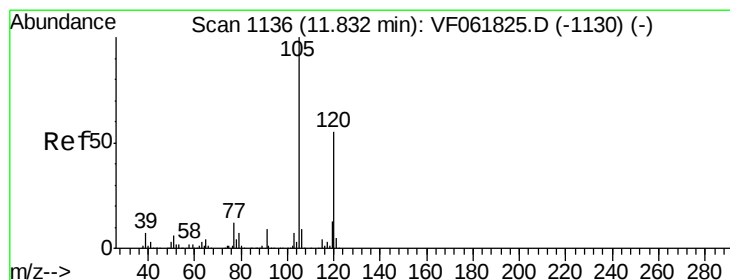
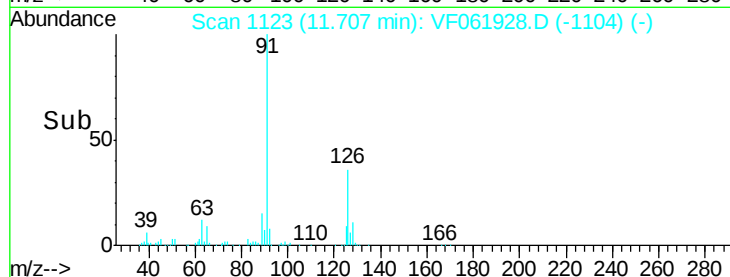
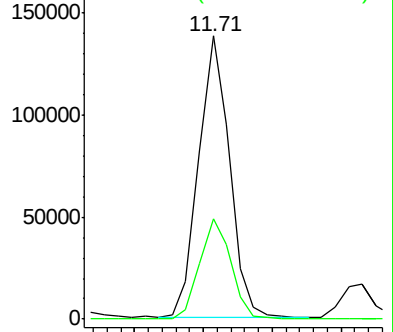
91 100

126 35.6 18.1 54.4



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: 23.522 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061928.D

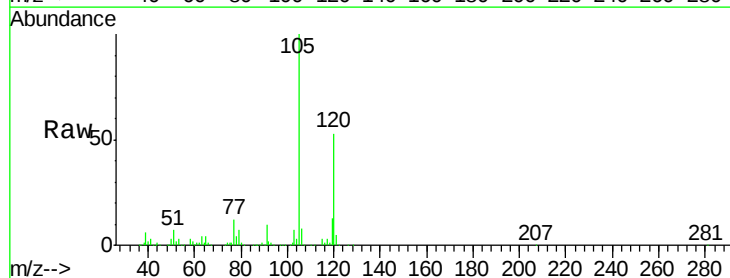
Acq: 13 Mar 2019 15:29

Tgt Ion:105 Resp: 275285

Ion Ratio Lower Upper

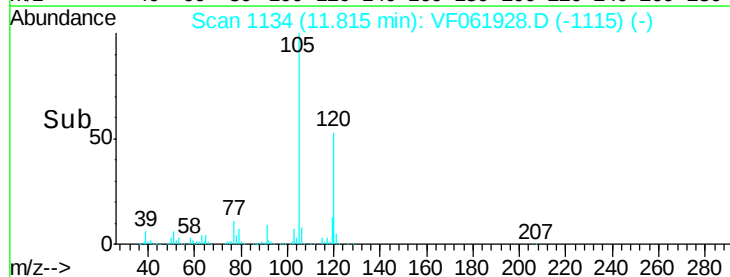
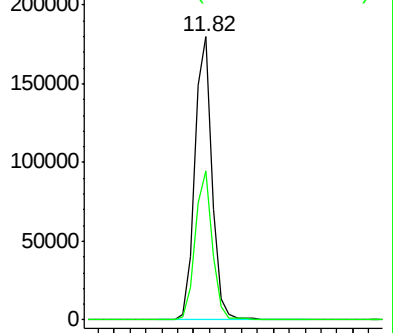
105 100

120 52.7 27.4 82.2



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: 30.285 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF061928.D

Acq: 13 Mar 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

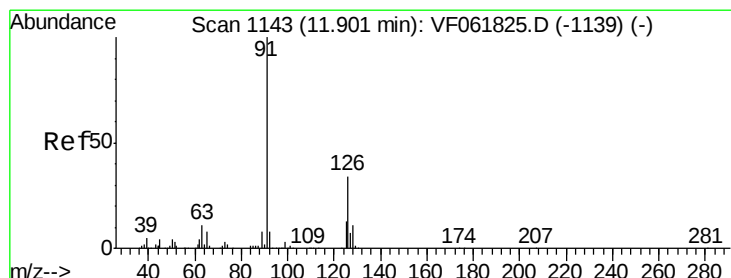
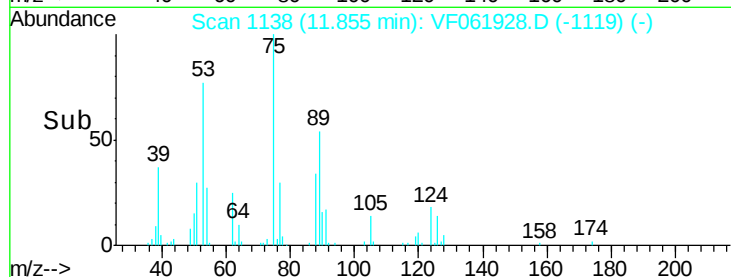
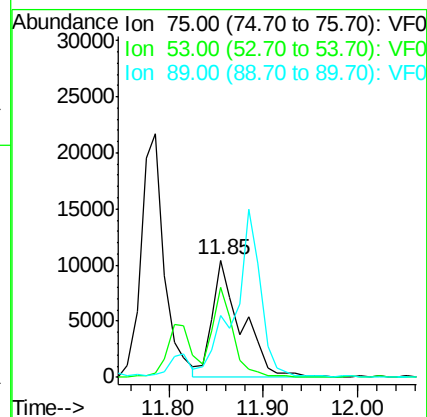
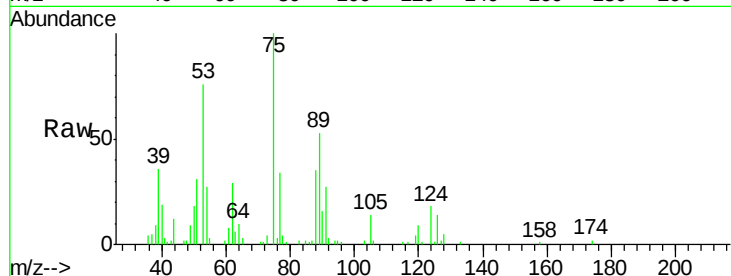
Tot Ion: 75 Resp: 22898

Ion Ratio Lower Upper

75 100

53 76.3 58.6 88.0

89 53.3 41.4 62.0



#82

4-Chlorotoluene

Concen: 23.383 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF061928.D

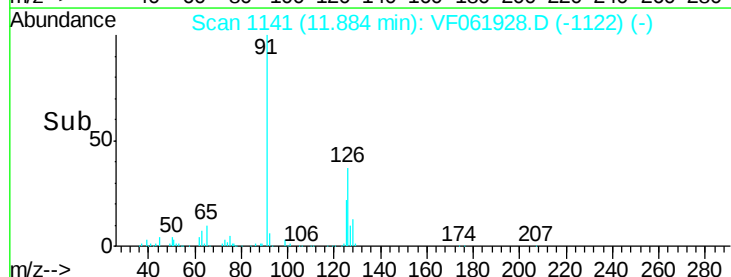
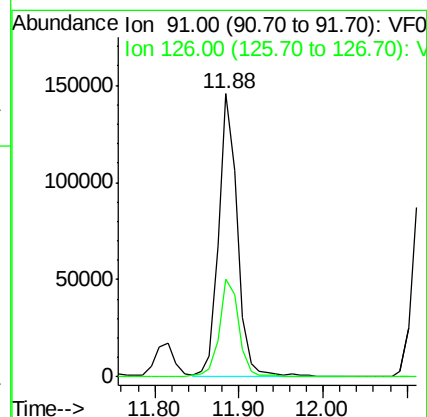
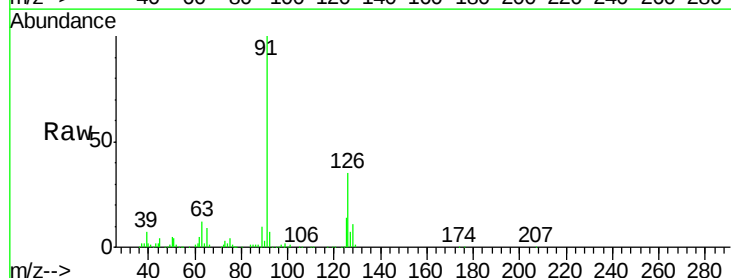
Acq: 13 Mar 2019 15:29

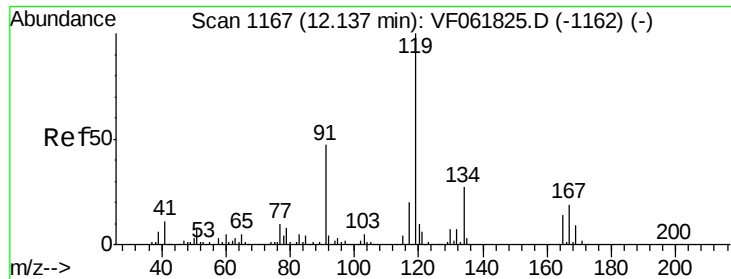
Tgt Ion: 91 Resp: 225093

Ion Ratio Lower Upper

91 100

126 34.5 17.0 50.9

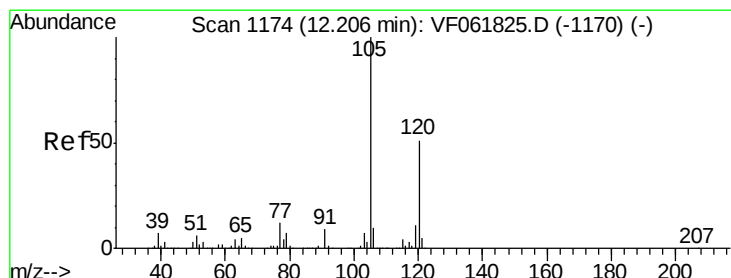
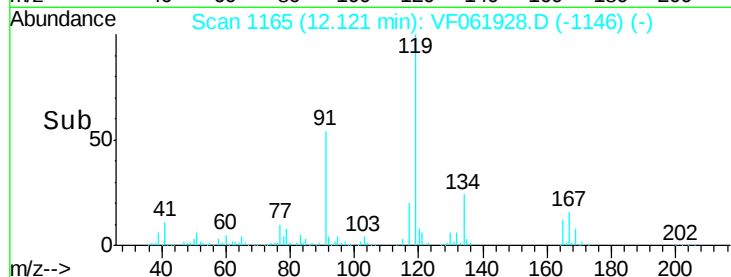
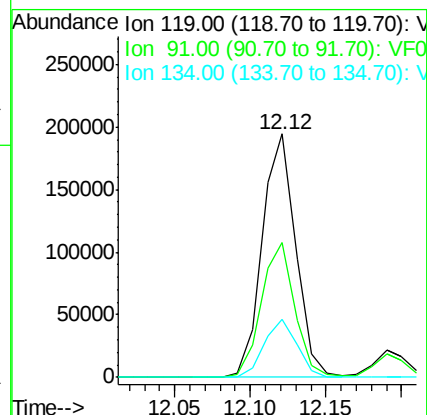
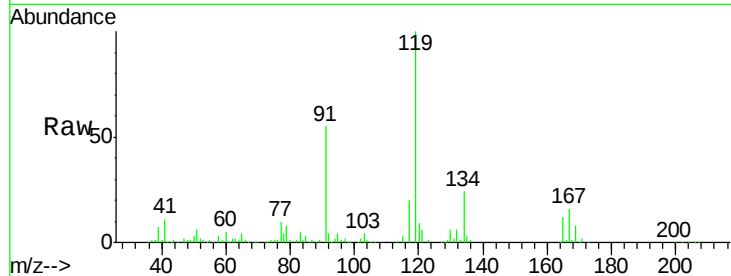




#83
tert-Butylbenzene
Concen: 24.256 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

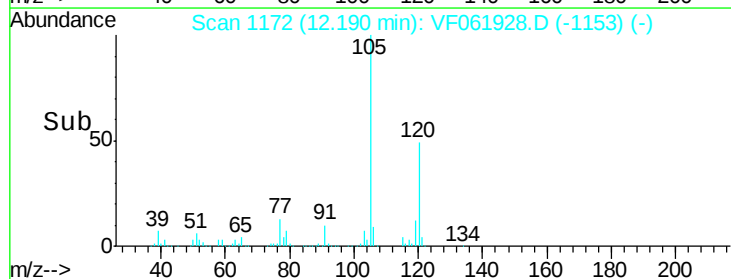
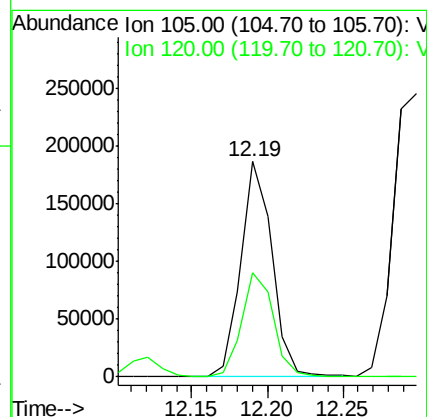
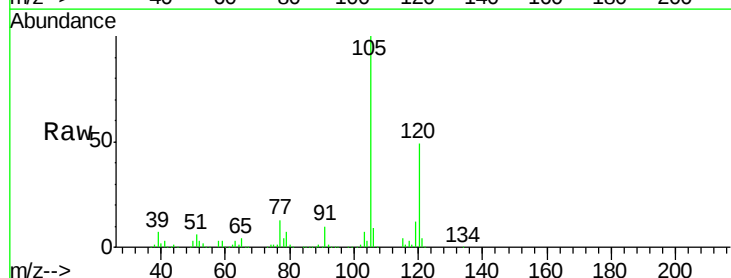
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

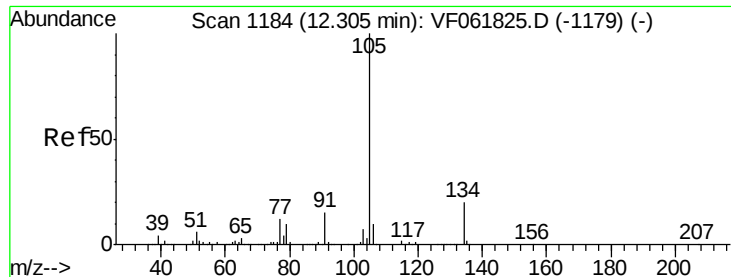
Tot Ion:119 Resp: 301437
Ion Ratio Lower Upper
119 100
91 55.3 23.5 70.5
134 24.0 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 23.352 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion:105 Resp: 267913
Ion Ratio Lower Upper
105 100
120 48.5 25.8 77.4

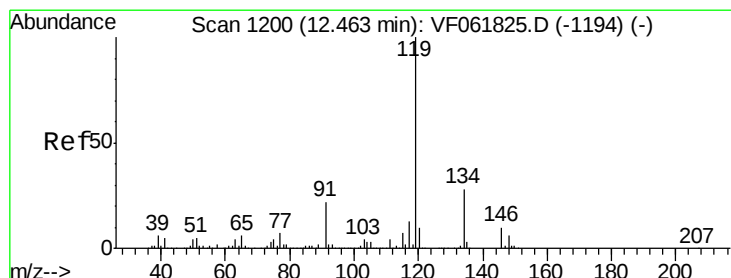
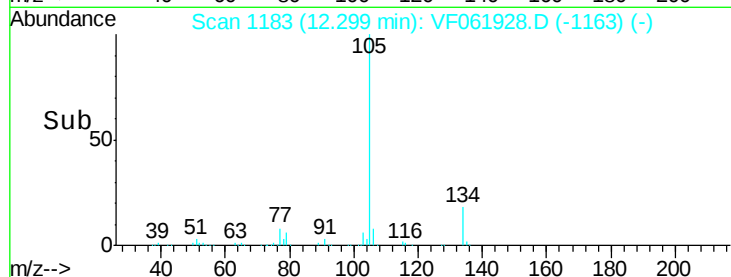
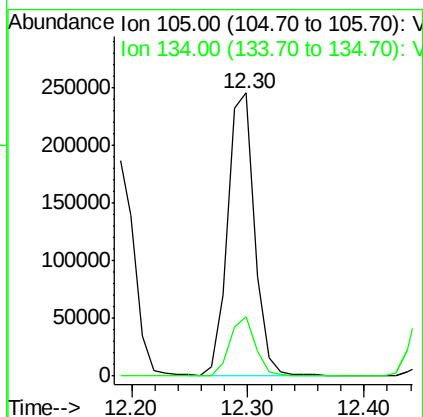
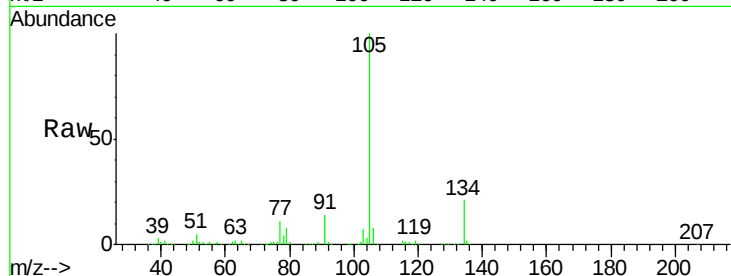




#85
 sec-Butylbenzene
 Concen: 24.317 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

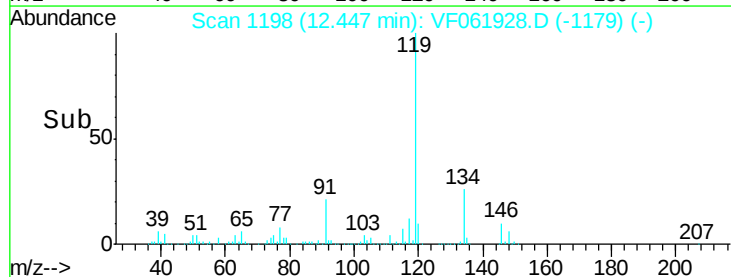
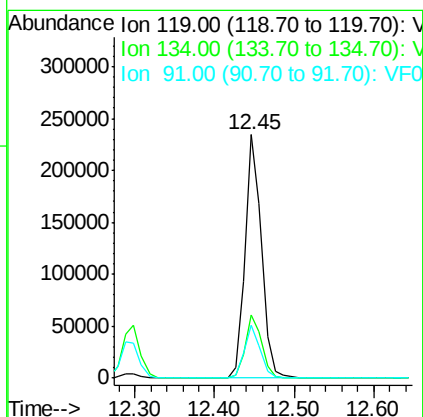
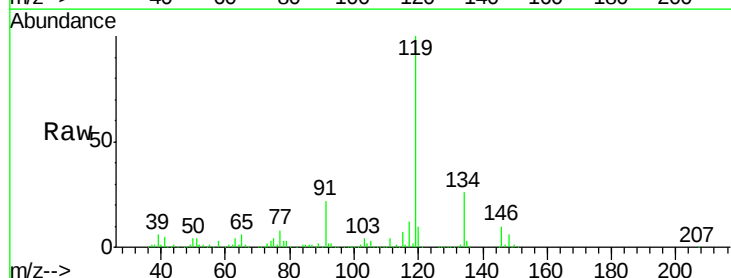
Instrument :
 MSVOA_F
 ClientSampleID :
 VF0313SBS01

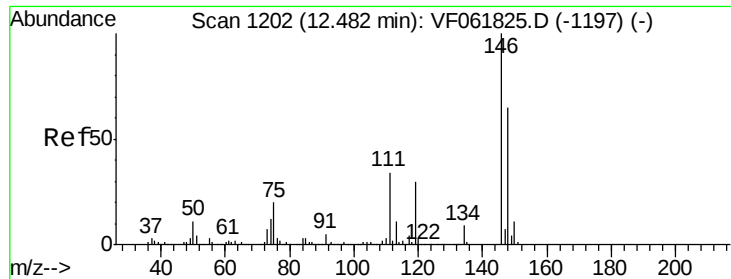
Tot Ion:105 Resp: 393247
 Ion Ratio Lower Upper
 105 100
 134 20.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 24.195 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

Tgt Ion:119 Resp: 332587
 Ion Ratio Lower Upper
 119 100
 134 26.0 14.0 42.0
 91 21.5 11.1 33.3

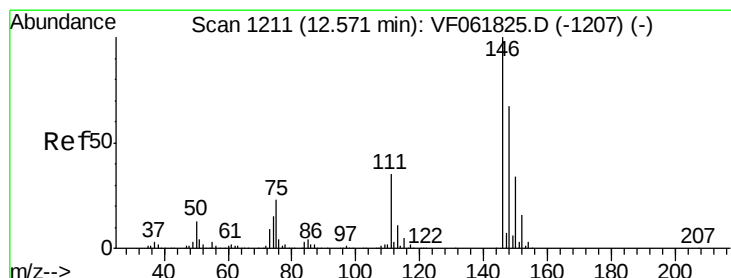
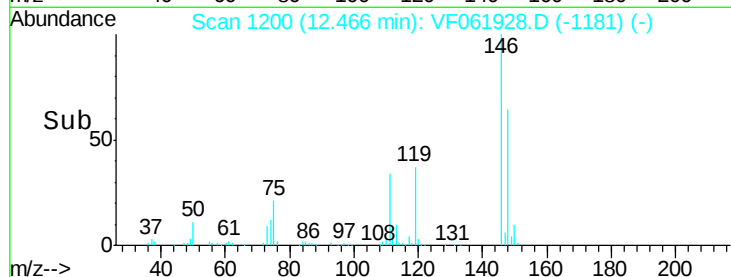
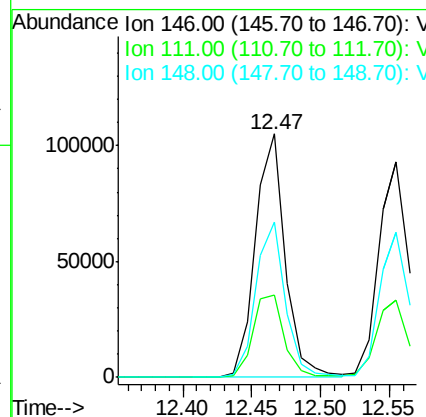
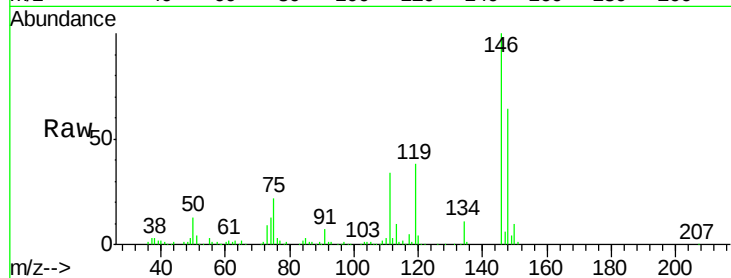




#87
 1,3-Dichlorobenzene
 Concen: 23.992 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

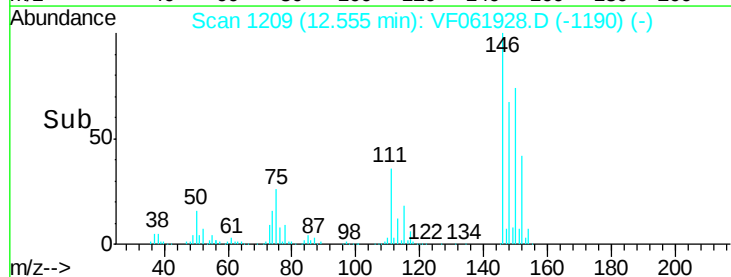
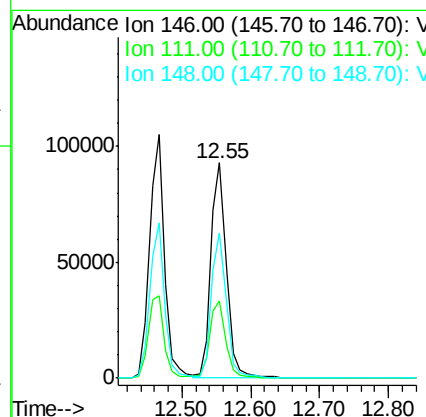
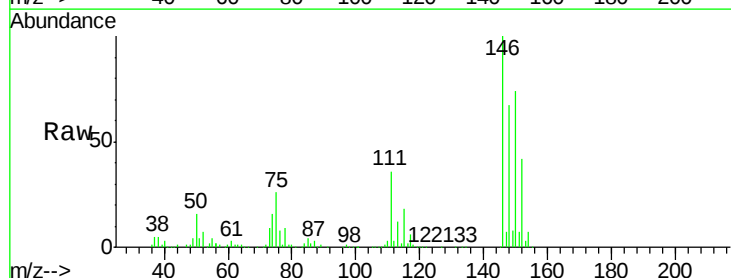
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

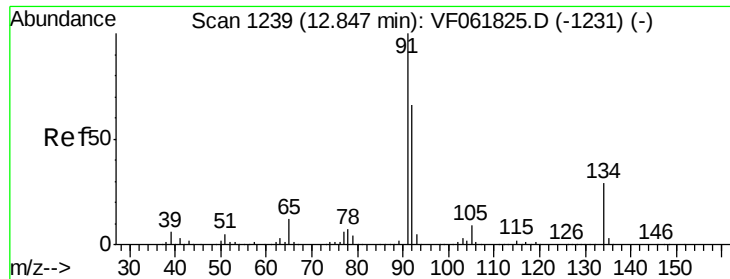
Tot Ion:146 Resp: 159820
 Ion Ratio Lower Upper
 146 100
 111 34.0 17.0 51.0
 148 63.6 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 22.935 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

Tgt Ion:146 Resp: 147372
 Ion Ratio Lower Upper
 146 100
 111 36.2 17.6 52.9
 148 67.3 33.5 100.4

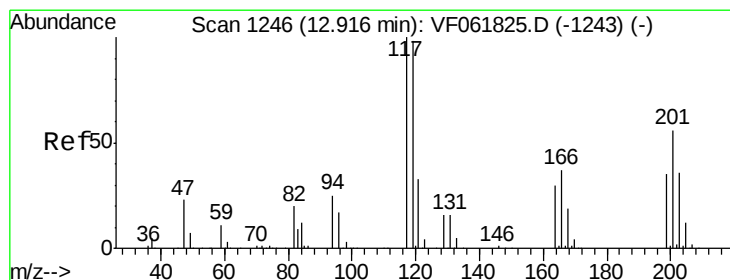
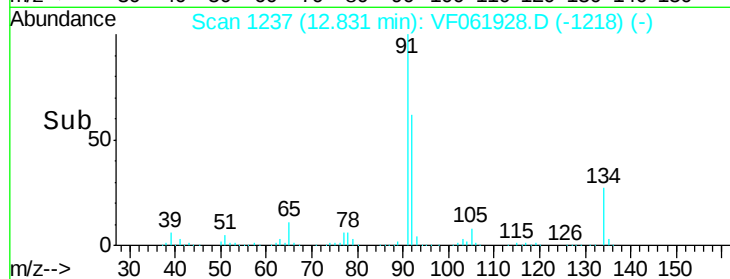
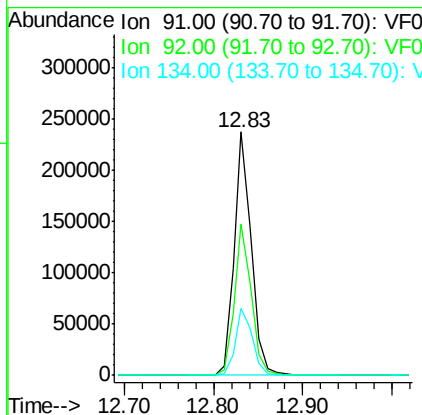
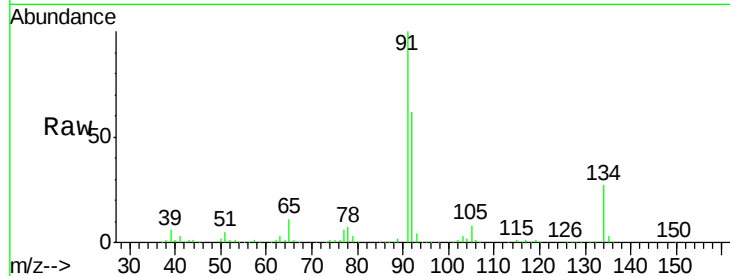




#89
n-Butylbenzene
Concen: 24.553 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

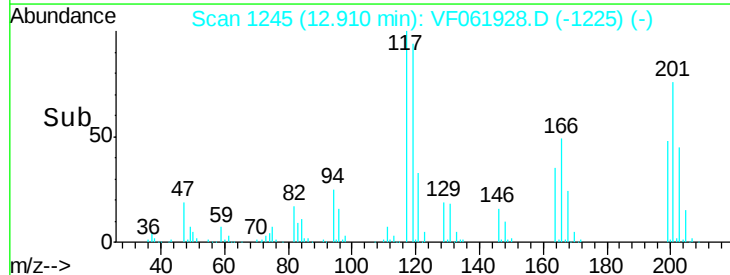
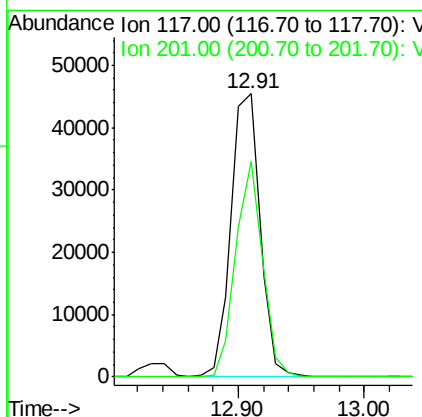
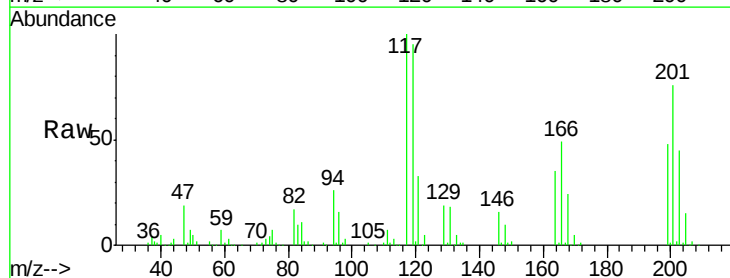
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

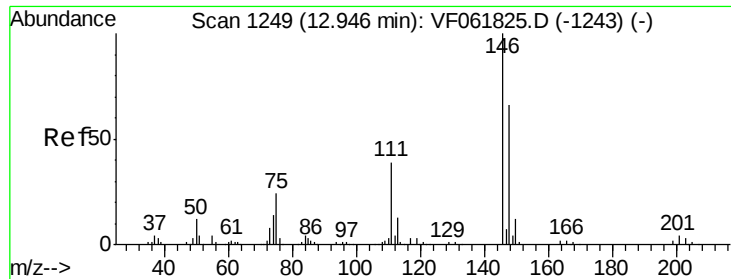
Tot Ion: 91 Resp: 322553
Ion Ratio Lower Upper
91 100
92 62.1 32.9 98.6
134 27.3 14.5 43.6



#90
Hexachloroethane
Concen: 21.916 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion: 117 Resp: 72515
Ion Ratio Lower Upper
117 100
201 76.0 27.8 83.4

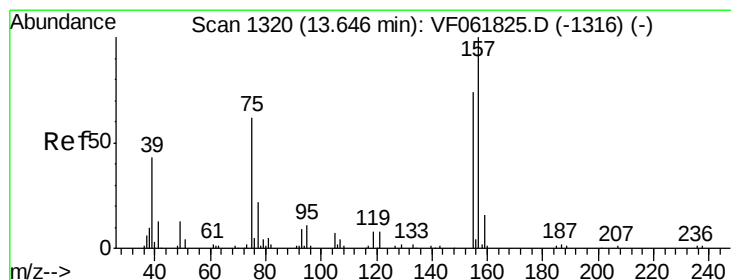
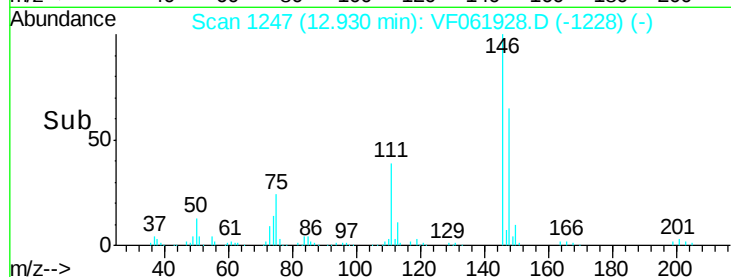
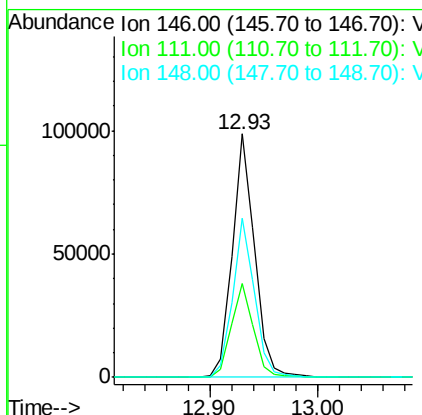
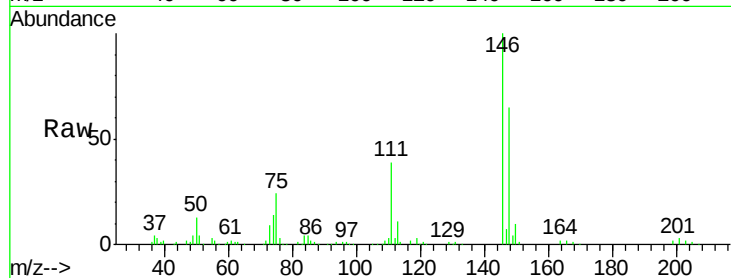




#91
 1,2-Dichlorobenzene
 Concen: 22.578 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

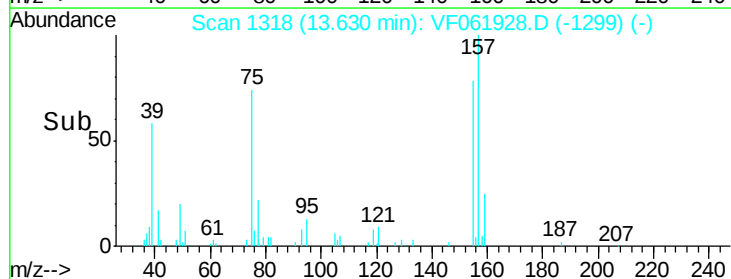
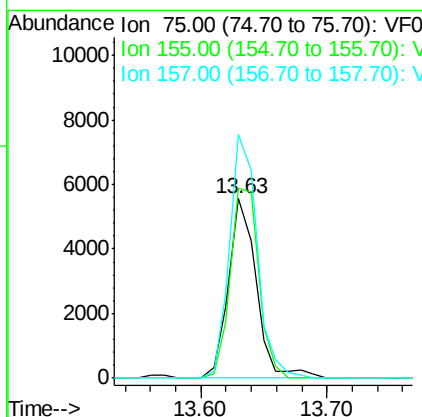
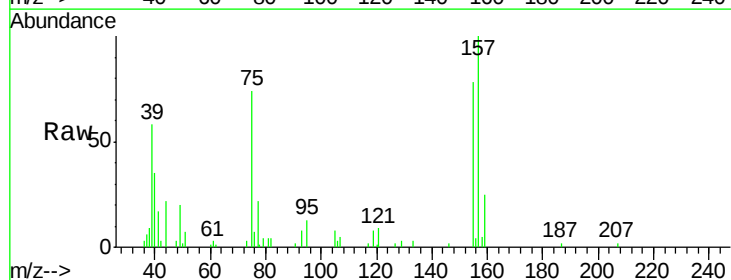
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

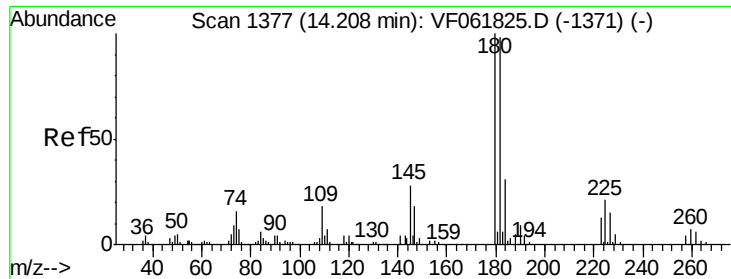
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.4
148	65.3	33.0	98.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.318 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.0	59.8	179.4
157	135.9	81.2	243.4

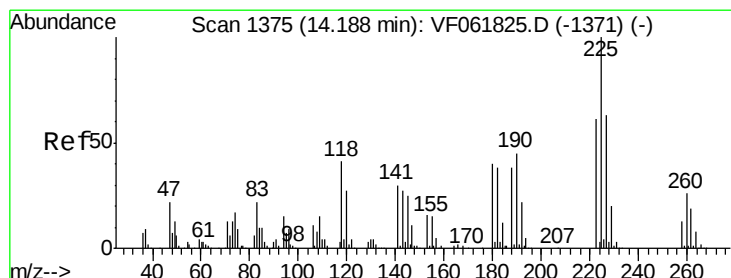
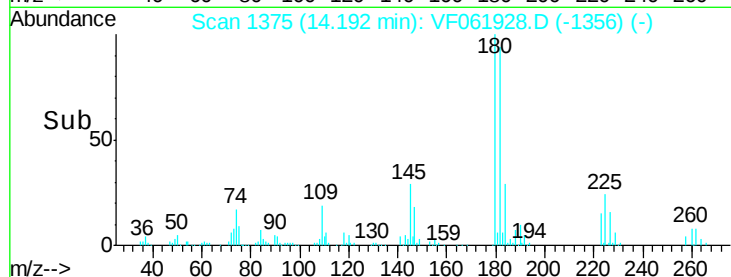
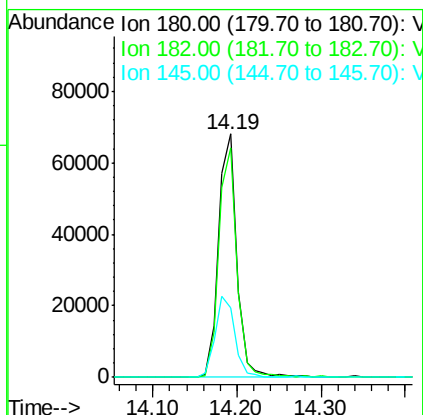
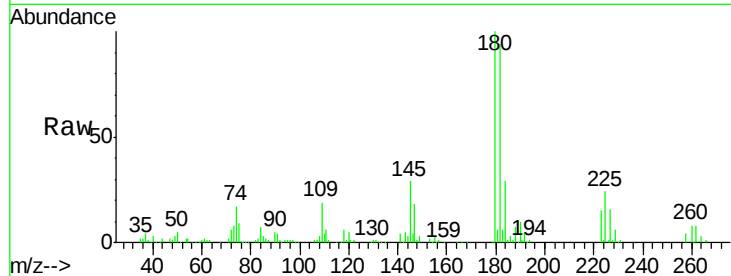




#93
 1,2,4-Trichlorobenzene
 Concen: 23.360 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

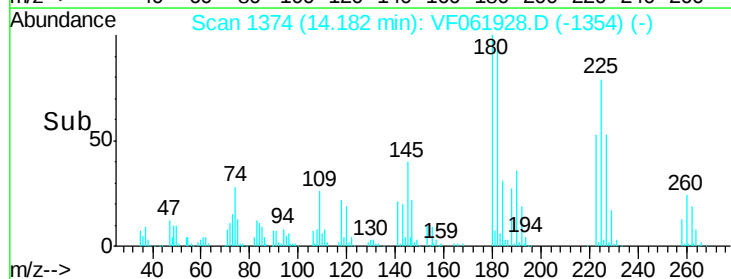
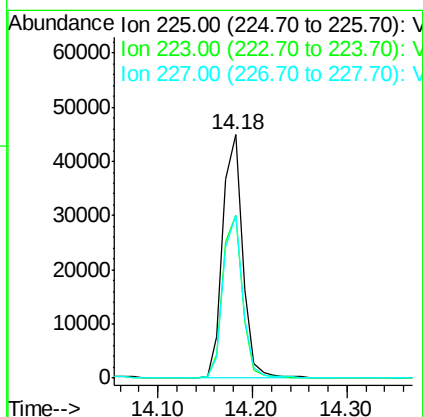
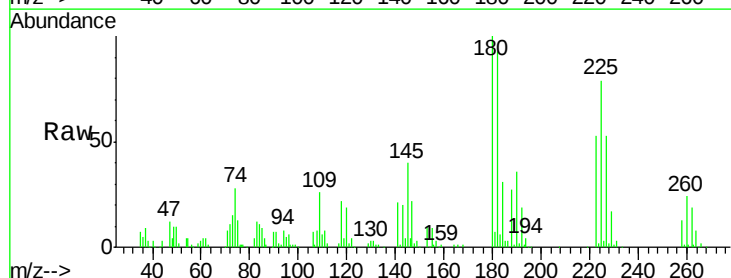
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

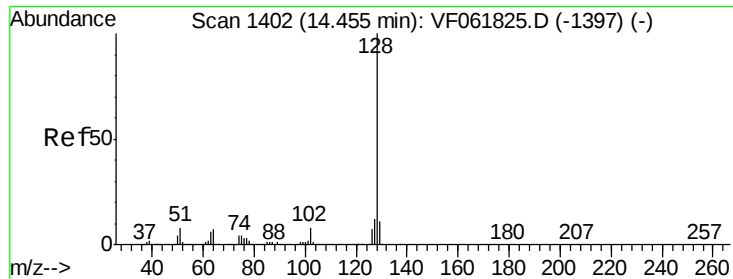
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	49.0	147.2
145	28.8	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 21.424 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061928.D
 Acq: 13 Mar 2019 15:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.1	30.3	90.9
227	66.9	31.3	93.8

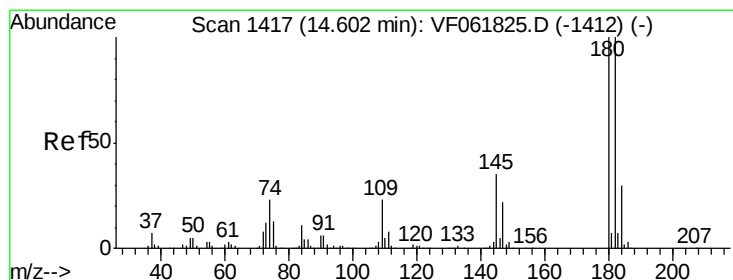
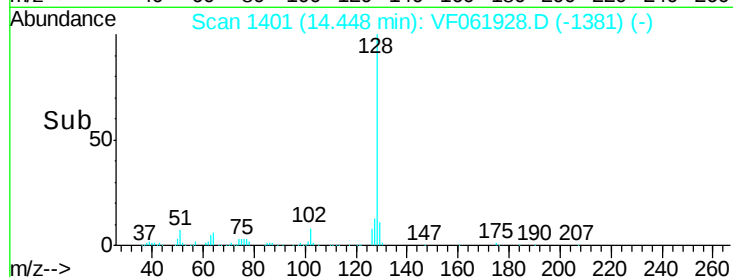
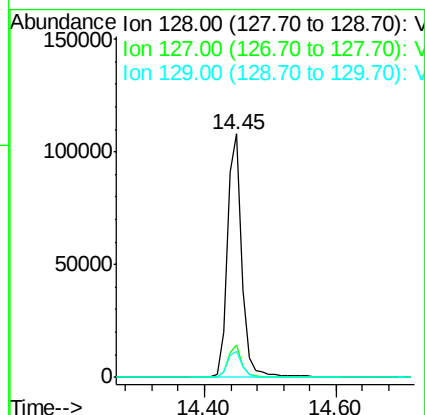
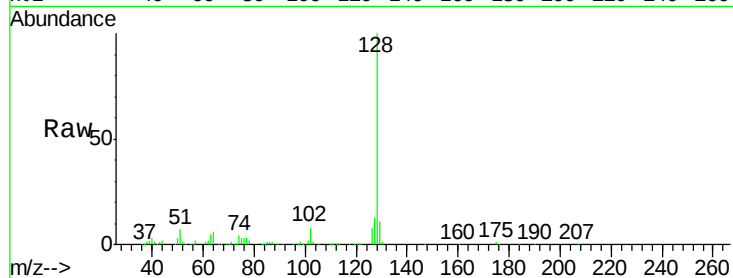




#95
Naphthalene
Concen: 20.985 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

Tot Ion:128 Resp: 165370
Ion Ratio Lower Upper
128 100
127 13.2 9.3 13.9
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.913 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF061928.D
Acq: 13 Mar 2019 15:29

Tgt Ion:180 Resp: 89519
Ion Ratio Lower Upper
180 100
182 93.0 50.2 150.7
145 33.2 17.5 52.5

