

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031319\
 Data File : VF061927.D
 Acq On : 13 Mar 2019 15:00
 Operator : VA/AP
 Sample : VF0313SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

Quant Time: Mar 14 01:15:20 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	299380	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	448375	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	357786	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	197635	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	126120	57.85	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	115.70%	
35) Dibromofluoromethane	4.09	113	176365	56.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	112.72%	
50) Toluene-d8	7.53	98	488932	52.57	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.14%	
62) 4-Bromofluorobenzene	11.40	95	186654	51.23	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	84561	23.007	ug/l	95
3) Chloromethane	1.10	50	86349	24.241	ug/l	90
4) Vinyl Chloride	1.14	62	82920	24.522	ug/l	99
5) Bromomethane	1.30	94	52671	22.856	ug/l	88
6) Chloroethane	1.40	64	41848	26.035	ug/l	89
7) Trichlorofluoromethane	1.47	101	74510	18.042	ug/l	100
8) Diethyl Ether	1.63	74	22284	23.728	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.84	101	73426	26.181	ug/l	99
10) Methyl Iodide	1.90	142	92585	17.348	ug/l	97
11) Tert butyl alcohol	2.56	59	14141	114.273	ug/l	94
12) 1,1-Dichloroethene	1.80	96	61569	24.046	ug/l	95
13) Acrolein	1.99	56	16422	104.731	ug/l	98
14) Allyl chloride	2.08	41	79038	28.020	ug/l	95
15) Acrylonitrile	2.93	53	48575	123.273	ug/l	98
16) Acetone	2.23	43	58994	129.176	ug/l	96
17) Carbon Disulfide	1.81	76	144657	18.150	ug/l #	91
18) Methyl Acetate	2.33	43	22179	24.247	ug/l	93
19) Methyl tert-butyl Ether	2.42	73	100986	23.315	ug/l	99
20) Methylene Chloride	2.17	84	23613	4.517	ug/l	90
21) trans-1,2-Dichloroethene	2.30	96	63680	26.426	ug/l	87
22) Diisopropyl ether	2.78	45	181209	24.696	ug/l	98
23) Vinyl Acetate	3.18	43	365253	111.429	ug/l	99
24) 1,1-Dichloroethane	2.86	63	109274	24.916	ug/l	99
25) 2-Butanone	4.32	43	110394	118.837	ug/l	96
26) 2,2-Dichloropropane	3.58	77	45995	23.493	ug/l	98
27) cis-1,2-Dichloroethene	3.45	96	80048	23.977	ug/l	99
28) Bromochloromethane	3.70	49	45587	23.846	ug/l #	93
29) Tetrahydrofuran	4.05	42	45887	114.537	ug/l	96
30) Chloroform	3.84	83	116584	23.273	ug/l	92
31) Cyclohexane	3.68	56	64448	14.030	ug/l	97
32) 1,1,1-Trichloroethane	4.07	97	70826	22.938	ug/l	95
36) 1,1-Dichloropropene	4.26	75	98673	23.297	ug/l	100
37) Ethyl Acetate	4.08	43	39999	22.500	ug/l #	89
38) Carbon Tetrachloride	3.97	117	71156	23.733	ug/l	99

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 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	5.42	83	112548	22.498	ug/l	95
40) Benzene	4.62	78	246820	22.295	ug/l	97
41) Methacrylonitrile	4.71	41	23205	23.824	ug/l	98
42) 1,2-Dichloroethane	4.92	62	60675	21.992	ug/l	99
43) Isopropyl Acetate	6.94	43	44982	20.527	ug/l	92
44) Trichloroethene	5.48	130	74993	21.797	ug/l	97
45) 1,2-Dichloropropane	6.21	63	57721	21.926	ug/l	97
46) Dibromomethane	6.07	93	36338	21.932	ug/l	99
47) Bromodichloromethane	6.36	83	81482	22.261	ug/l	100
48) Methyl methacrylate	6.70	41	26925	19.414	ug/l	96
49) 1,4-Dioxane	6.69	88	5165	407.401	ug/l #	82
51) 4-Methyl-2-Pentanone	8.23	43	169927	112.198	ug/l	98
52) Toluene	7.60	92	149422	22.815	ug/l	96
53) t-1,3-Dichloropropene	8.25	75	63738	21.095	ug/l #	86
54) cis-1,3-Dichloropropene	7.28	75	93076	22.333	ug/l	98
55) 1,1,2-Trichloroethane	8.47	97	38413	20.357	ug/l #	87
56) Ethyl methacrylate	8.60	69	43348	20.383	ug/l	97
57) 1,3-Dichloropropane	8.84	76	66368	21.506	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.28	63	41761	124.135	ug/l	97
59) 2-Hexanone	9.48	43	132428	121.204	ug/l	97
60) Dibromochloromethane	8.70	129	56110	20.863	ug/l	100
61) 1,2-Dibromoethane	8.96	107	42137	20.306	ug/l	97
64) Tetrachloroethene	8.14	164	62090	22.585	ug/l	94
65) Chlorobenzene	9.78	112	153729	22.364	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.91	131	65346	24.536	ug/l	96
67) Ethyl Benzene	9.88	91	267536	23.482	ug/l	100
68) m/p-Xylenes	10.12	106	208273	47.719	ug/l	93
69) o-Xylene	10.70	106	107675	22.911	ug/l	97
70) Styrene	10.77	104	156119	23.604	ug/l	98
71) Bromoform	10.76	173	30738	21.838	ug/l	98
73) Isopropylbenzene	11.11	105	326740	24.014	ug/l	100
74) N-amyl acetate	11.36	43	76726	24.495	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	51968	22.981	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	35319	22.884	ug/l	98
77) Bromobenzene	11.48	156	72853	22.248	ug/l	98
78) n-propylbenzene	11.58	91	364663	23.733	ug/l	100
79) 2-Chlorotoluene	11.71	91	205079	23.345	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	264251	24.190	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	21641	30.664	ug/l	92
82) 4-Chlorotoluene	11.88	91	199939	22.252	ug/l	100
83) tert-Butylbenzene	12.12	119	289384	24.948	ug/l	93
84) 1,2,4-Trimethylbenzene	12.19	105	253923	23.711	ug/l	94
85) sec-Butylbenzene	12.30	105	370840	24.567	ug/l	96
86) p-Isopropyltoluene	12.45	119	306772	23.909	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	146161	23.507	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	139774	23.304	ug/l	96
89) n-Butylbenzene	12.83	91	297189	24.236	ug/l	96
90) Hexachloroethane	12.91	117	72781	23.566	ug/l	72
91) 1,2-Dichlorobenzene	12.93	146	134154	22.773	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7158	20.622	ug/l	80

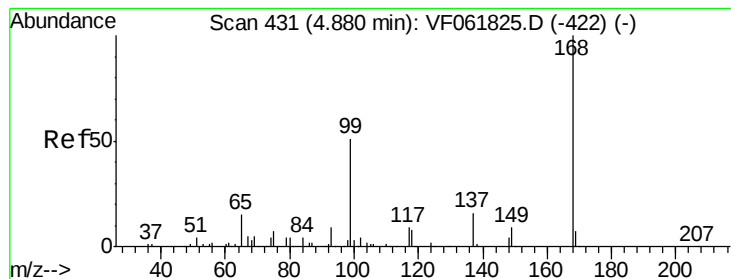
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	92895	22.493	ug/l	93
94) Hexachlorobutadiene	14.18	225	61585	21.540	ug/l	95
95) Naphthalene	14.45	128	157095	21.357	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	87340	22.905	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

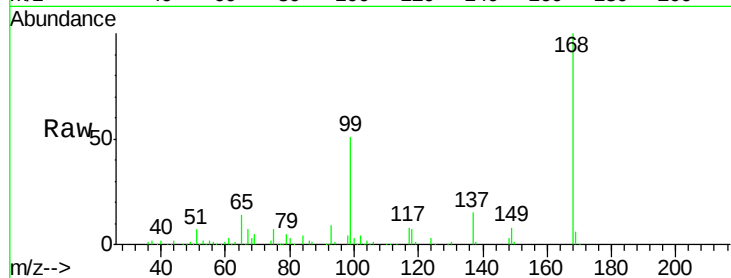
VF0313SBS01

Tot Ion:168 Resp: 299380

Ion Ratio Lower Upper

168 100

99 50.8 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

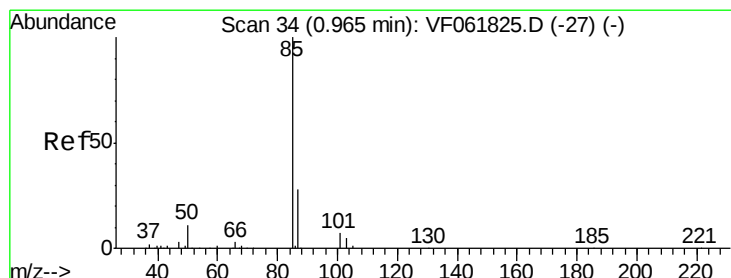
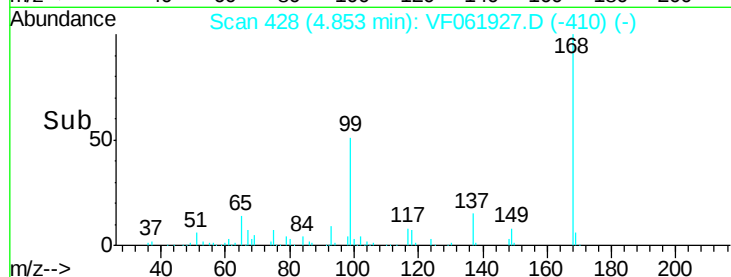
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 23.007 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061927.D

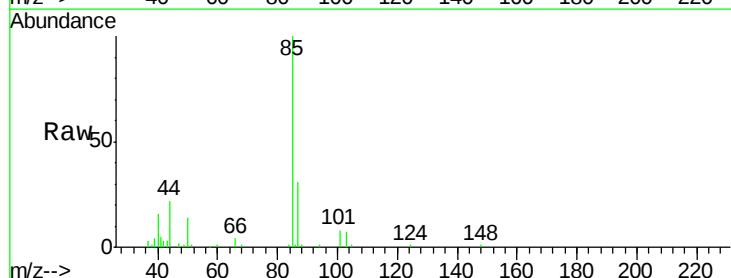
Acq: 13 Mar 2019 15:00

Tgt Ion: 85 Resp: 84561

Ion Ratio Lower Upper

85 100

87 30.8 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

25000

20000

15000

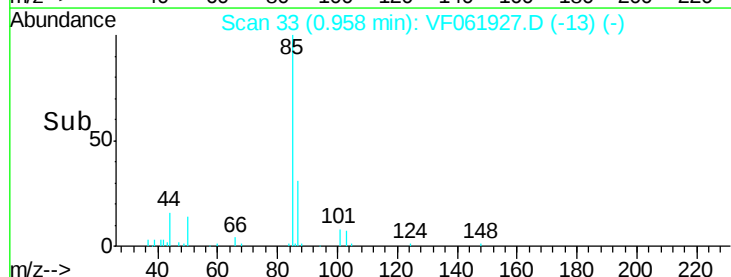
10000

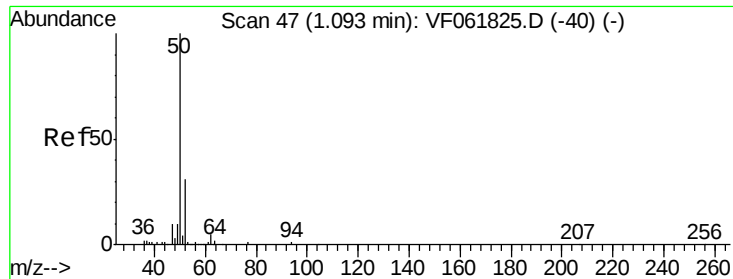
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 24.241 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

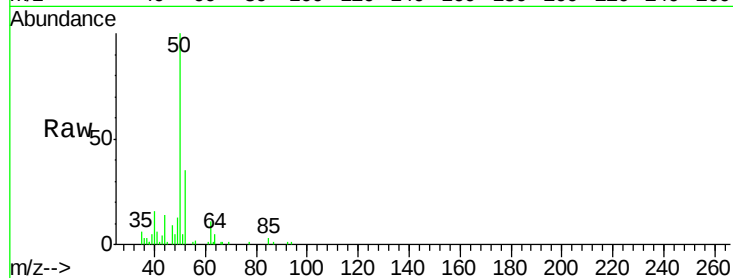
VF0313SBS01

Tot Ion: 50 Resp: 86349

Ion Ratio Lower Upper

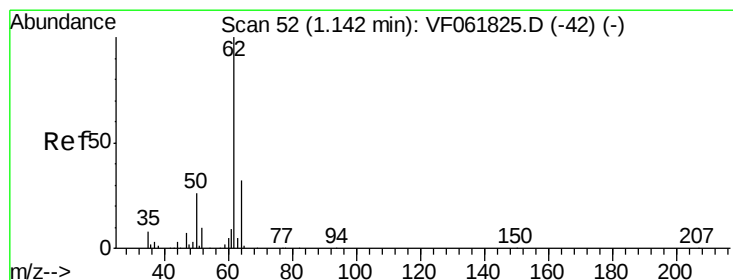
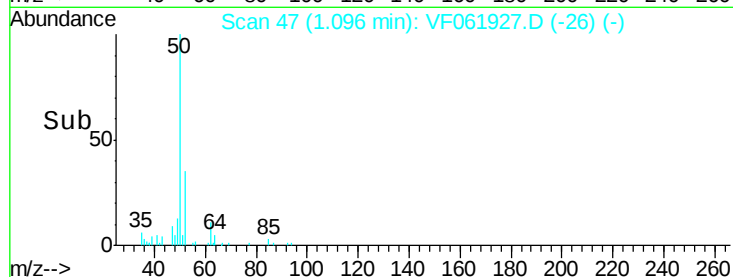
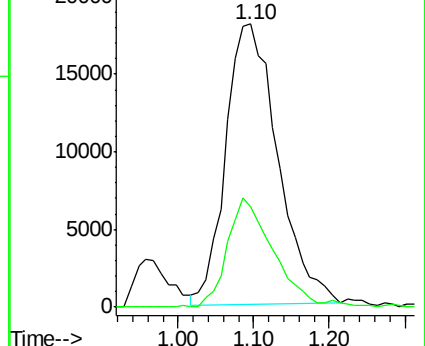
50 100

52 35.3 23.8 35.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 24.522 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061927.D

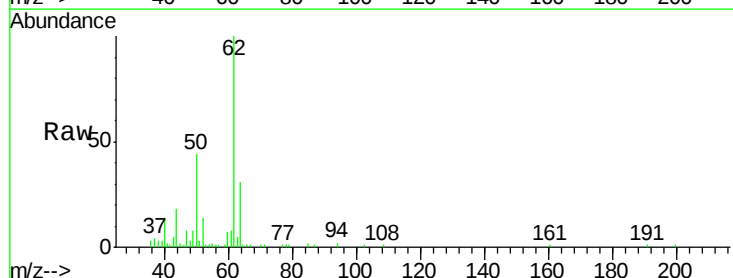
Acq: 13 Mar 2019 15:00

Tgt Ion: 62 Resp: 82920

Ion Ratio Lower Upper

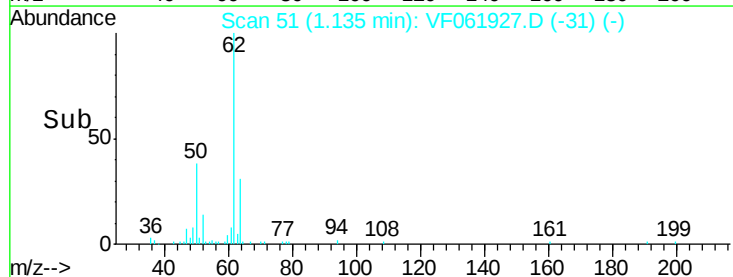
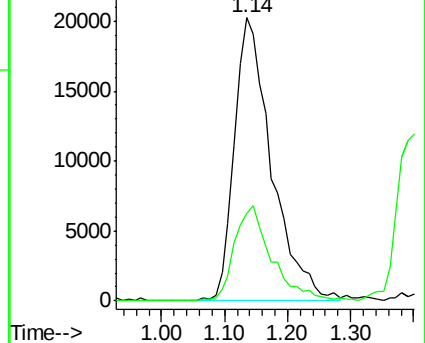
62 100

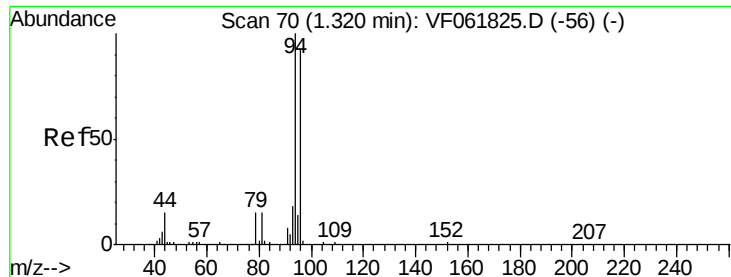
64 32.0 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 22.856 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

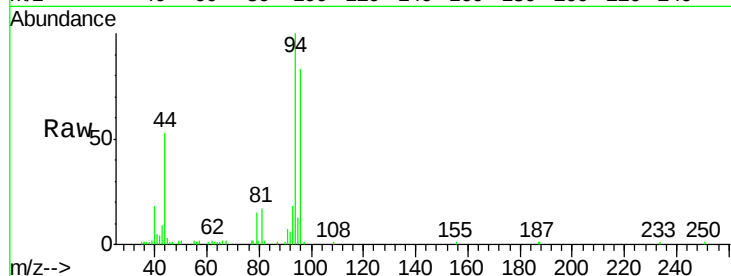
VF0313SBS01

Tot Ion: 94 Resp: 52671

Ion Ratio Lower Upper

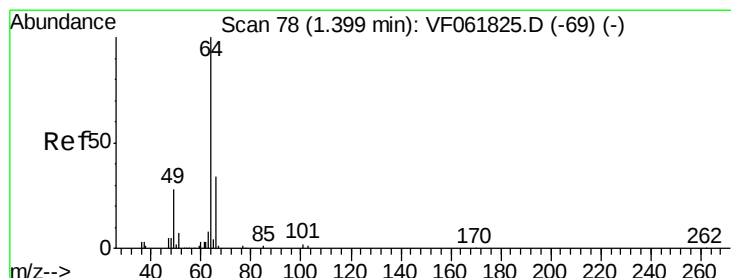
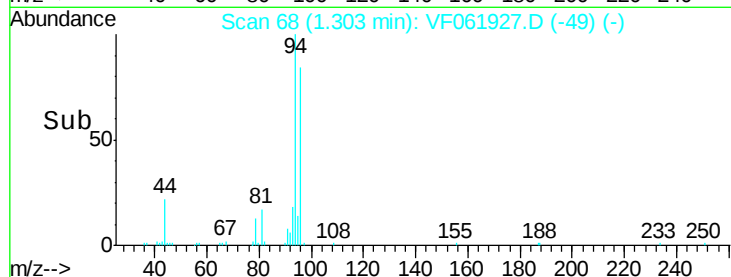
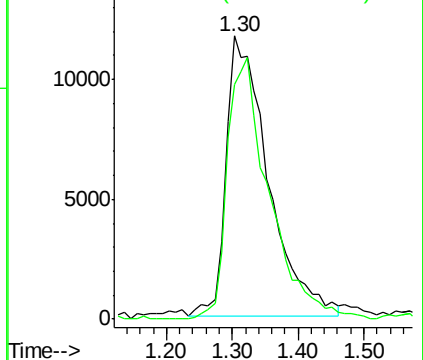
94 100

96 82.8 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 26.035 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.00 min

Lab File: VF061927.D

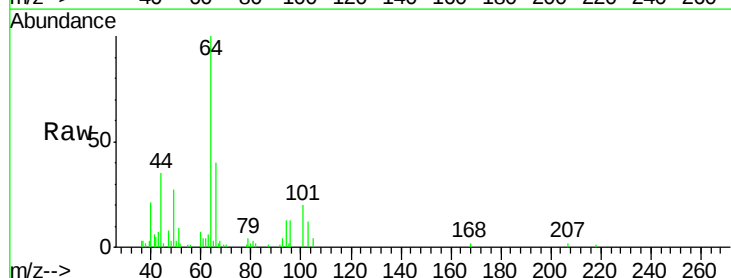
Acq: 13 Mar 2019 15:00

Tgt Ion: 64 Resp: 41848

Ion Ratio Lower Upper

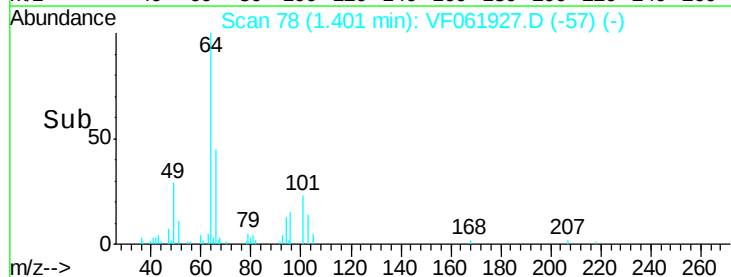
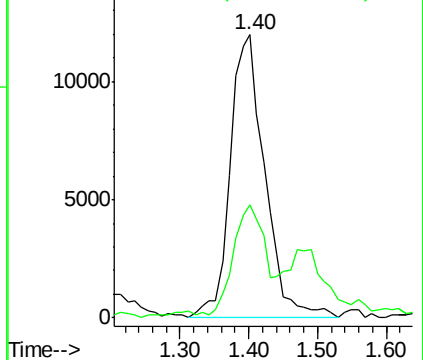
64 100

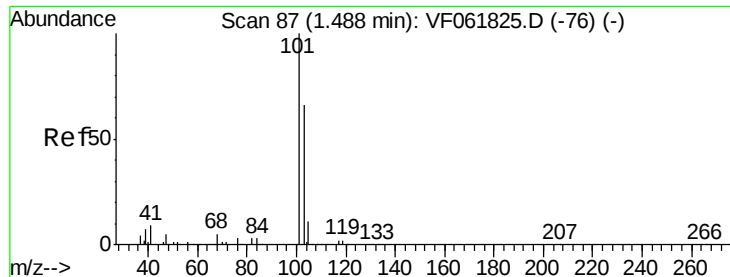
66 40.1 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 18.042 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

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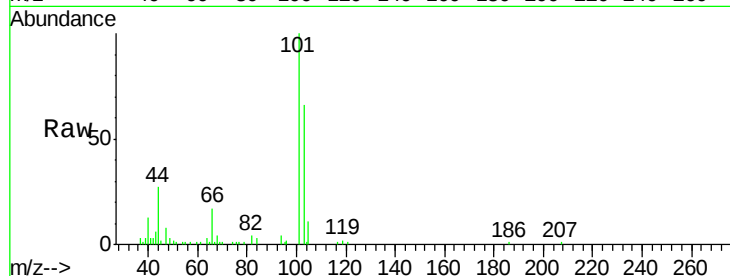
VF0313SBS01

Tot Ion:101 Resp: 74510

Ion Ratio Lower Upper

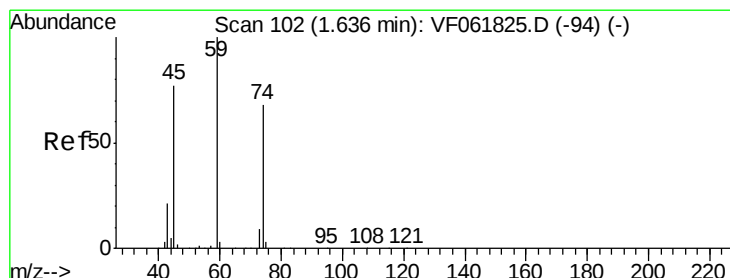
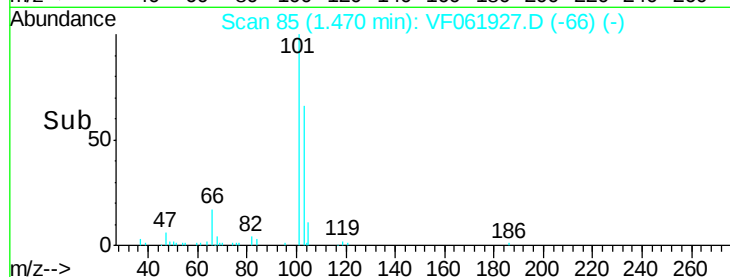
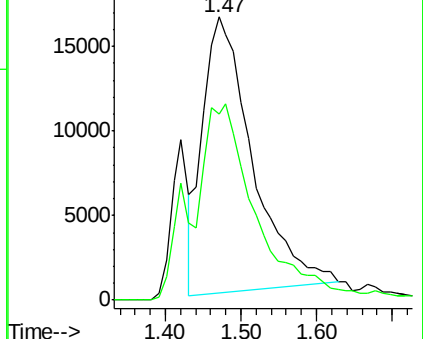
101 100

103 65.9 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: 23.728 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061927.D

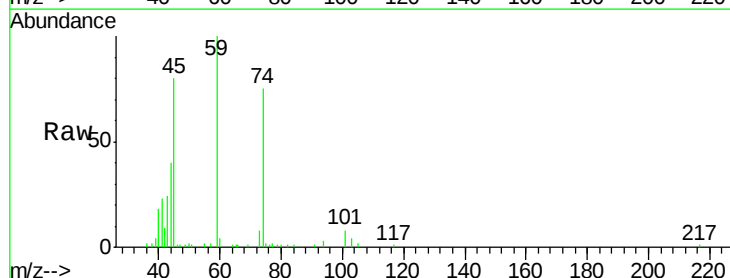
Acq: 13 Mar 2019 15:00

Tgt Ion: 74 Resp: 22284

Ion Ratio Lower Upper

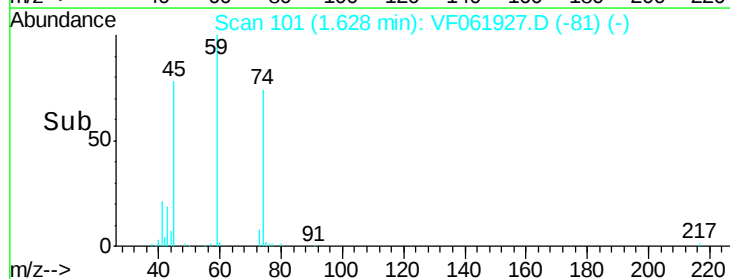
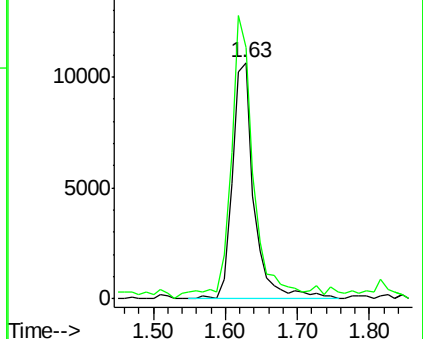
74 100

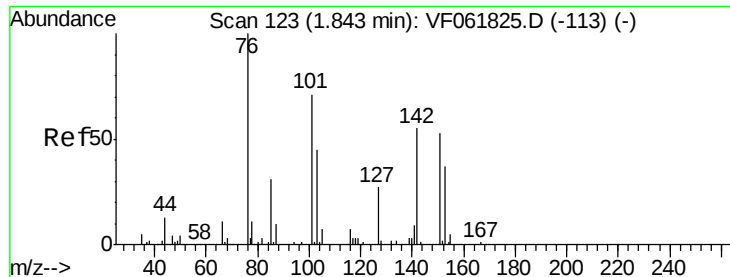
45 106.4 57.2 171.6



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: 26.181 ug/l

RT: 1.84 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

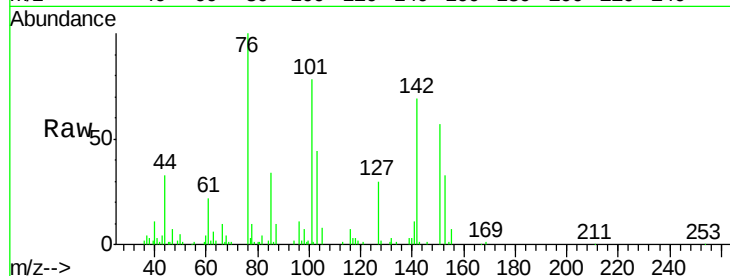
Tot Ion:101 Resp: 73426

Ion Ratio Lower Upper

101 100

85 43.0 34.0 51.0

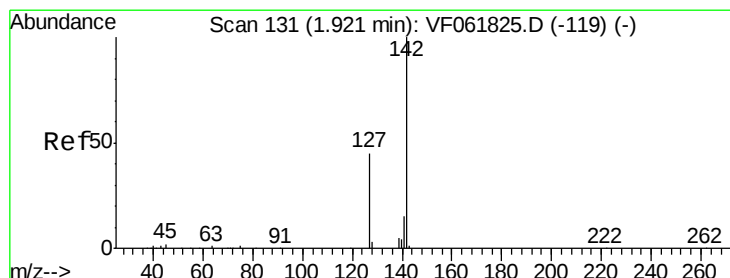
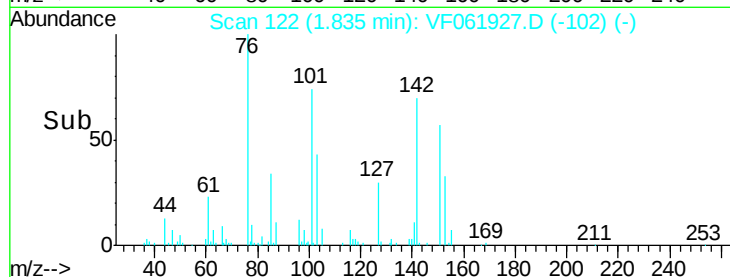
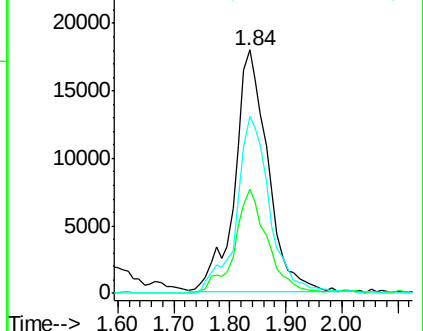
151 72.7 57.3 85.9



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: 17.348 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

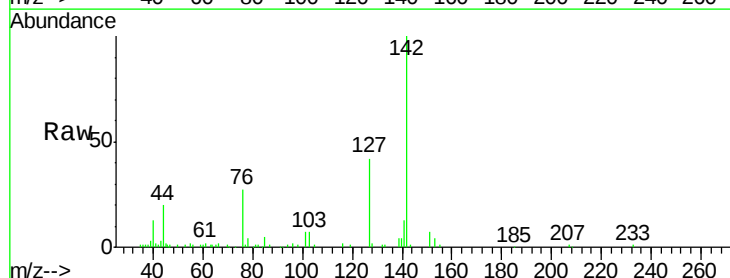
Tgt Ion:142 Resp: 92585

Ion Ratio Lower Upper

142 100

127 42.4 35.8 53.6

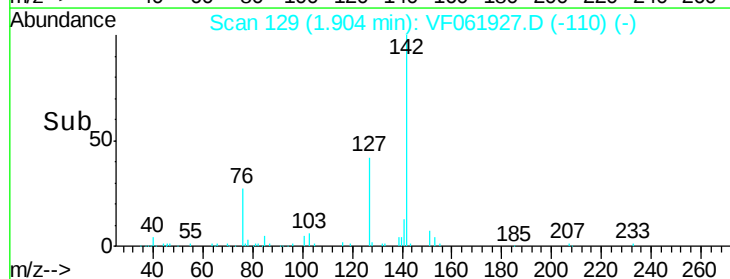
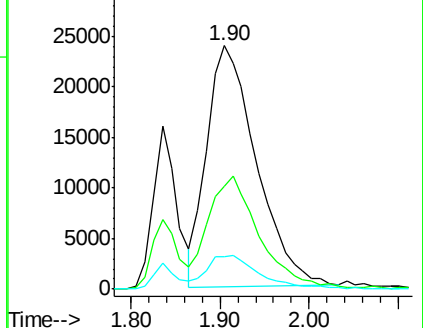
141 13.3 11.7 17.5

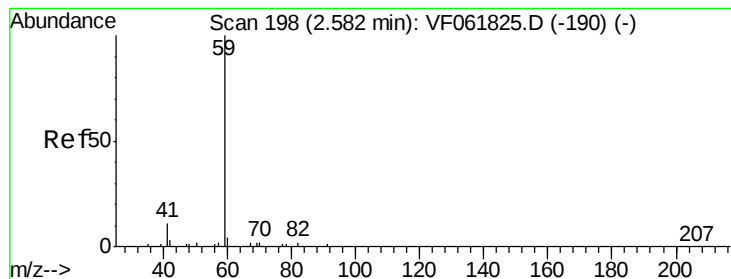


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



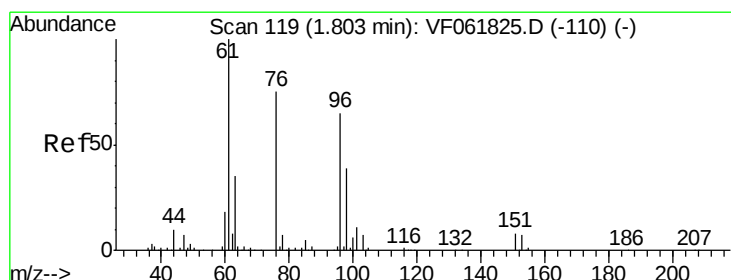
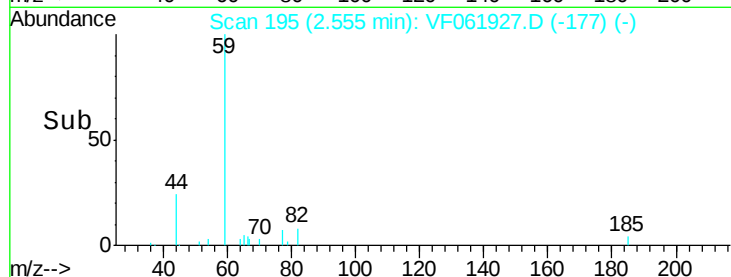
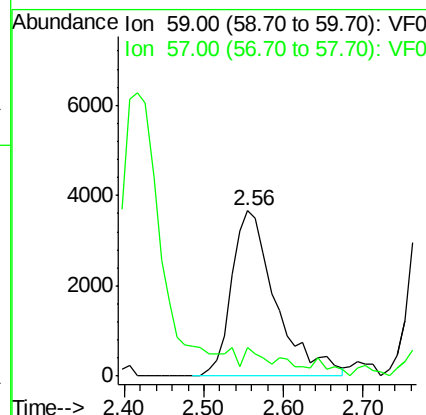
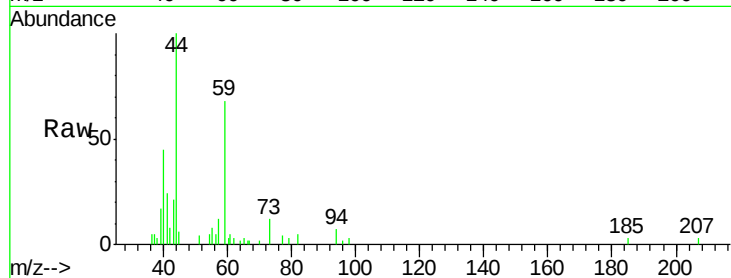


#11

Tert butyl alcohol
Concen: 114.273 ug/l
RT: 2.56 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

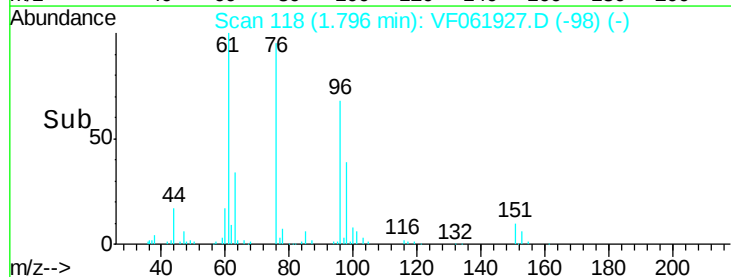
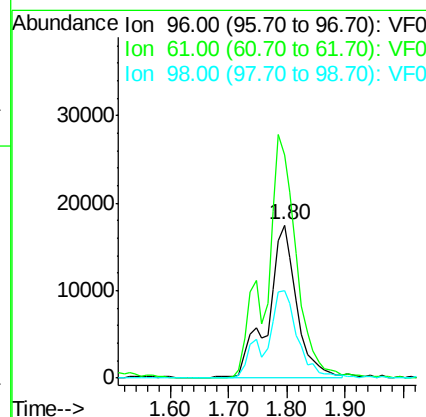
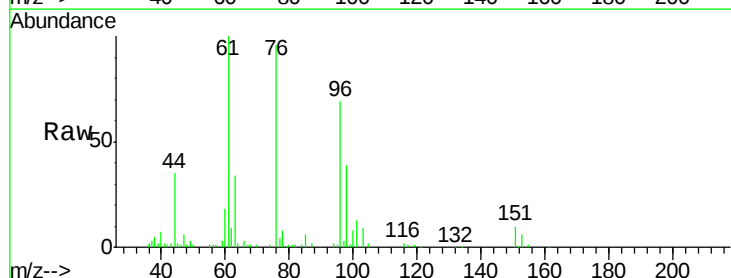
Tot Ion: 59 Resp: 14141
Ion Ratio Lower Upper
59 100
57 17.2 11.8 17.6

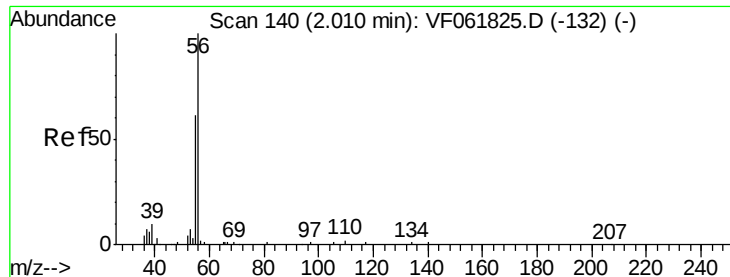


#12

1,1-Dichloroethene
Concen: 24.046 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

Tgt Ion: 96 Resp: 61569
Ion Ratio Lower Upper
96 100
61 145.7 122.5 183.7
98 56.8 47.1 70.7





#13

Acrolein

Concen: 104.731 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

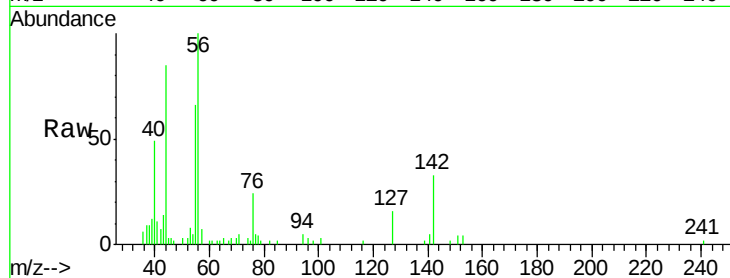
VF0313SBS01

Tot Ion: 56 Resp: 16422

Ion Ratio Lower Upper

56 100

55 66.0 51.3 76.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

6000

5000

4000

3000

2000

1000

0

1.99

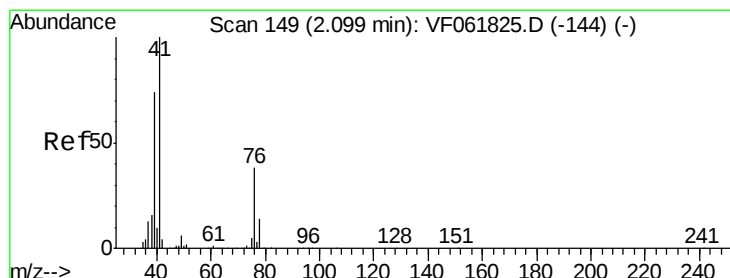
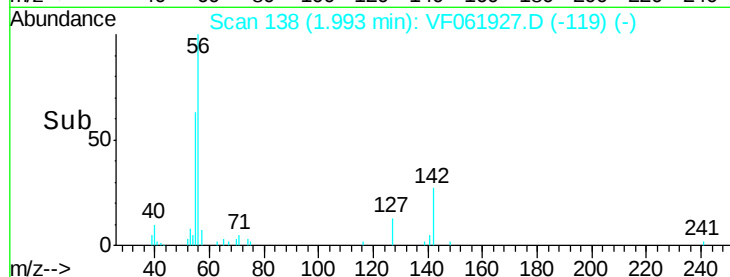
1.90

2.00

2.10

2.20

Time-->



#14

Allyl chloride

Concen: 28.020 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

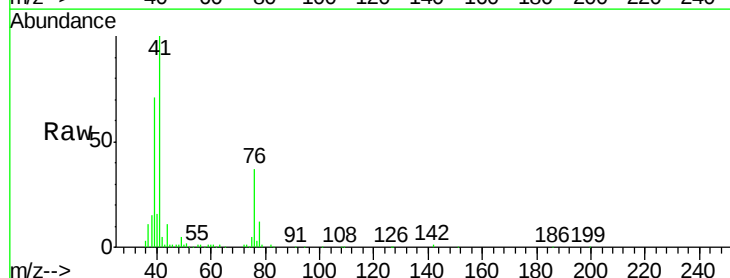
Tgt Ion: 41 Resp: 79038

Ion Ratio Lower Upper

41 100

39 71.2 59.6 89.4

76 36.5 32.3 48.5



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

50000

40000

30000

20000

10000

0

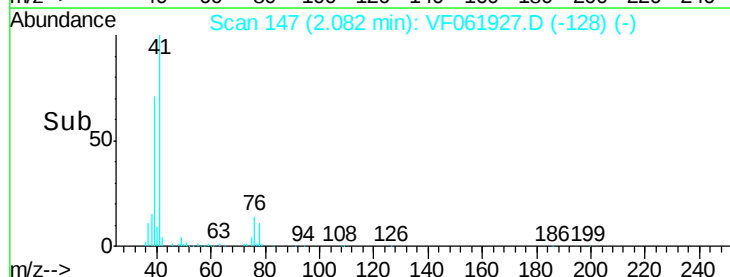
2.08

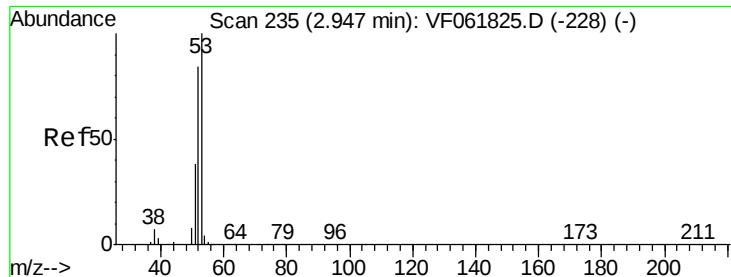
2.00

2.10

2.20

Time-->





#15

Acrylonitrile

Concen: 123.273 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

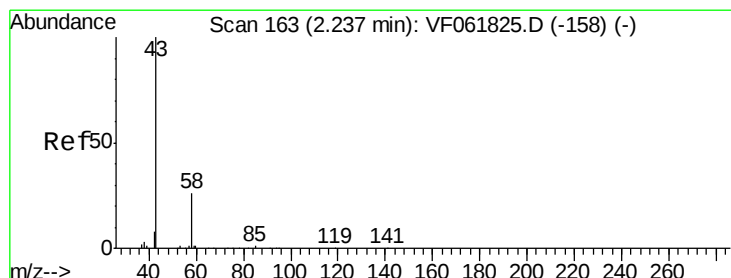
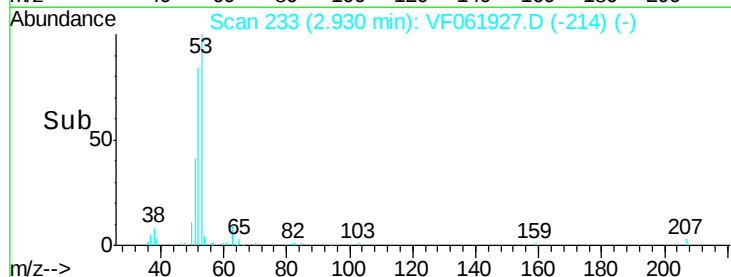
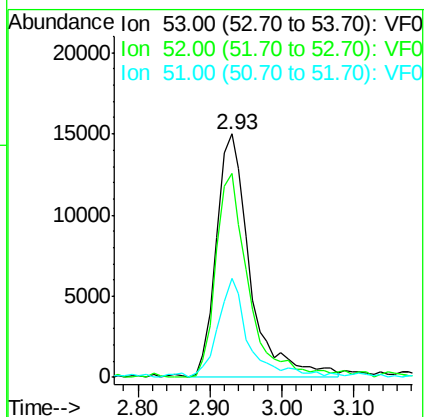
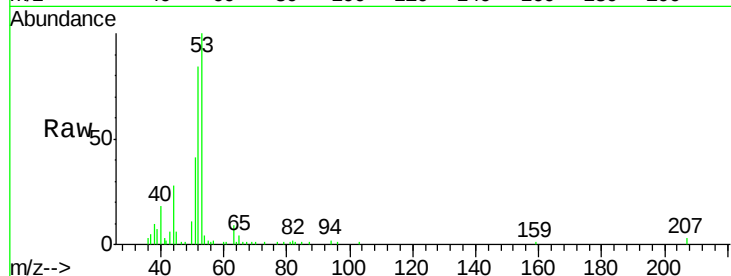
Tot Ion: 53 Resp: 48575

Ion Ratio Lower Upper

53 100

52 83.5 67.4 101.0

51 40.9 30.7 46.1



#16

Acetone

Concen: 129.176 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061927.D

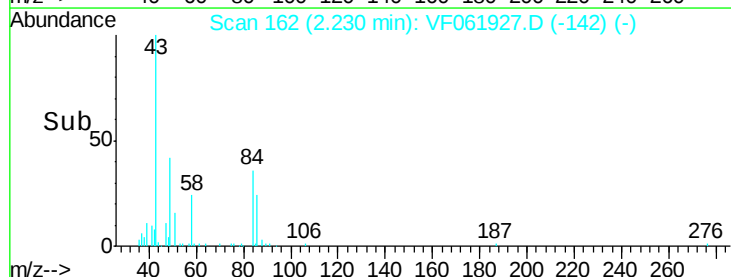
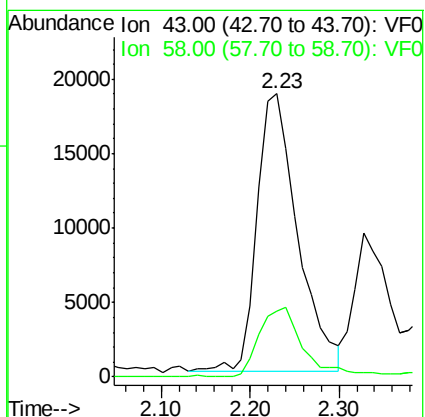
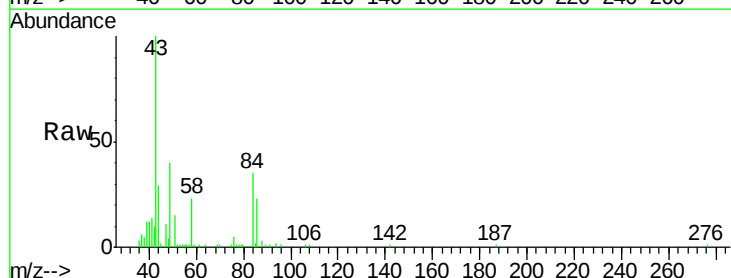
Acq: 13 Mar 2019 15:00

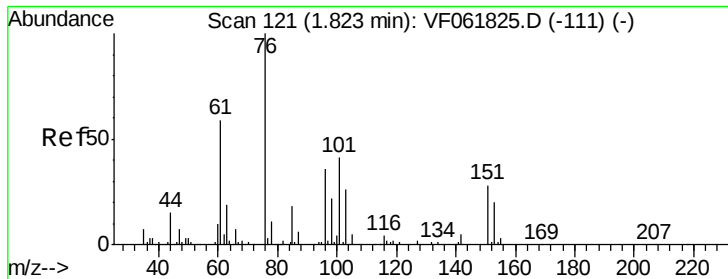
Tgt Ion: 43 Resp: 58994

Ion Ratio Lower Upper

43 100

58 23.4 20.3 30.5

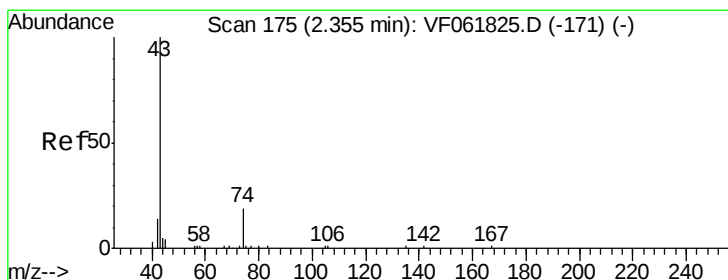
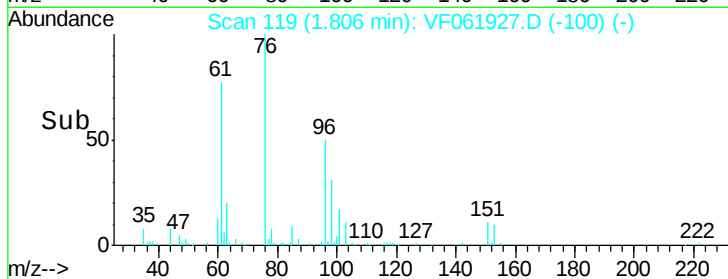
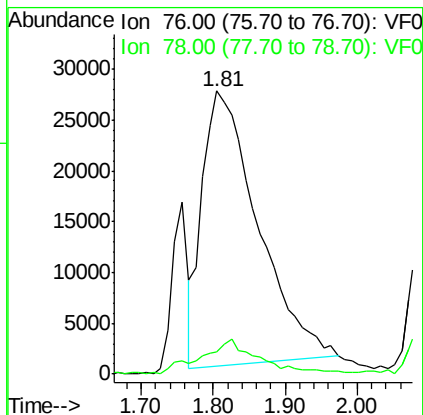
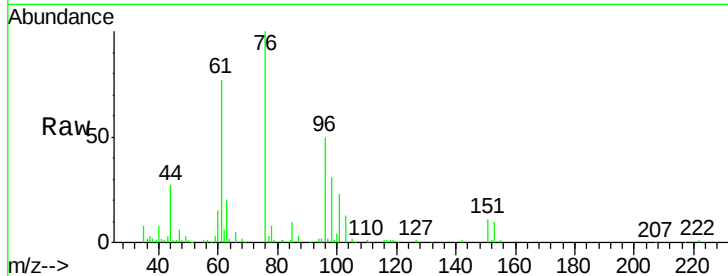




#17
Carbon Disulfide
Concen: 18.150 ug/l
RT: 1.81 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

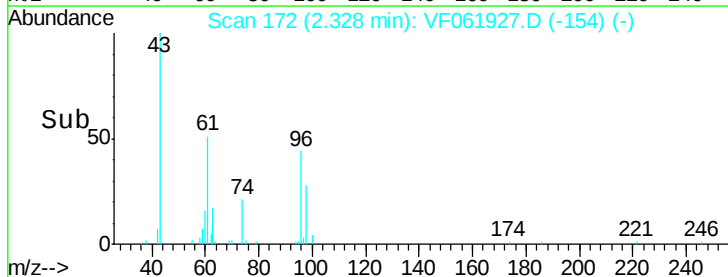
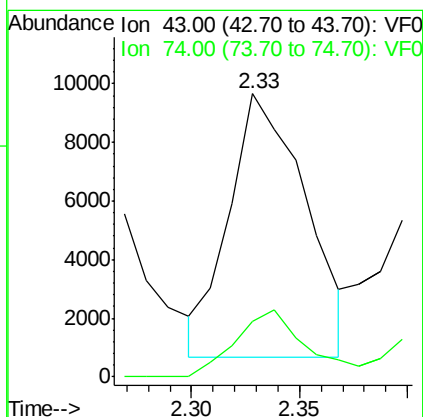
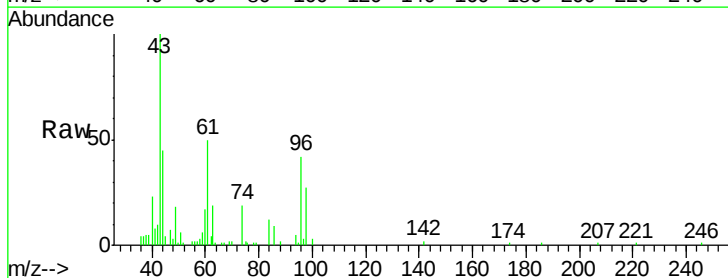
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

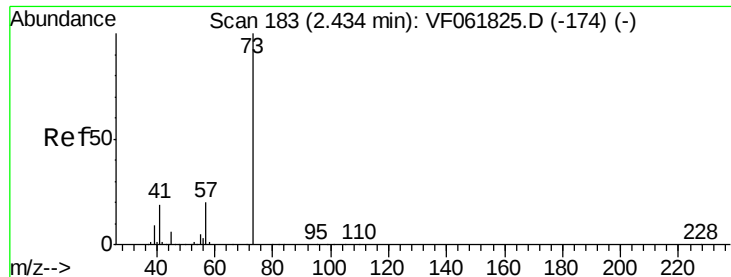
Tot Ion: 76 Resp: 144657
Ion Ratio Lower Upper
76 100
78 7.9 9.1 13.7#



#18
Methyl Acetate
Concen: 24.247 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.03 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

Tgt Ion: 43 Resp: 22179
Ion Ratio Lower Upper
43 100
74 19.4 13.2 19.8



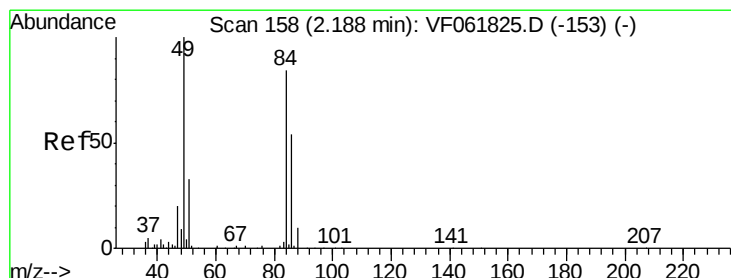
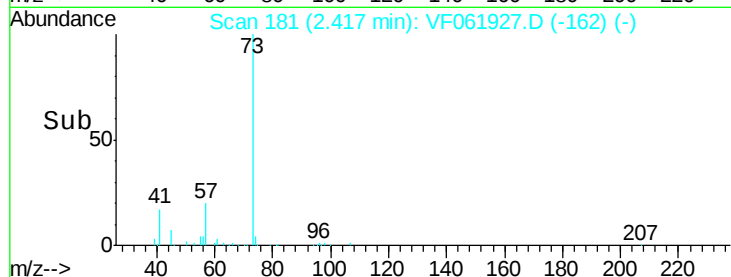
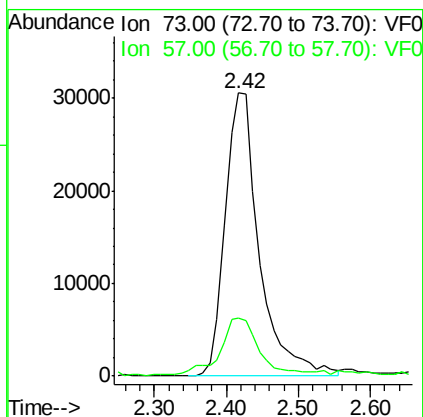
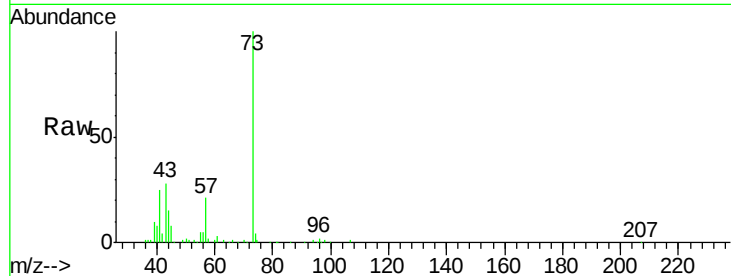


#19

Methyl tert-butyl Ether
 Concen: 23.315 ug/l
 RT: 2.42 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF061927.D
 Acq: 13 Mar 2019 15:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

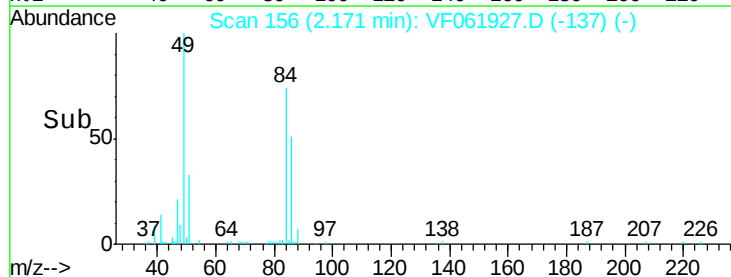
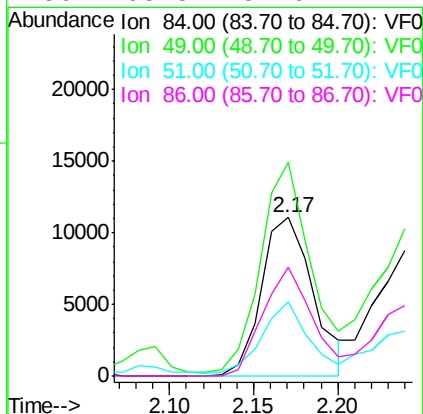
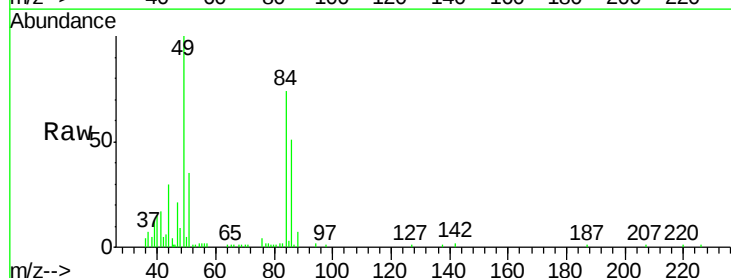
Tot Ion: 73 Resp: 100986
 Ion Ratio Lower Upper
 73 100
 57 20.5 16.1 24.1

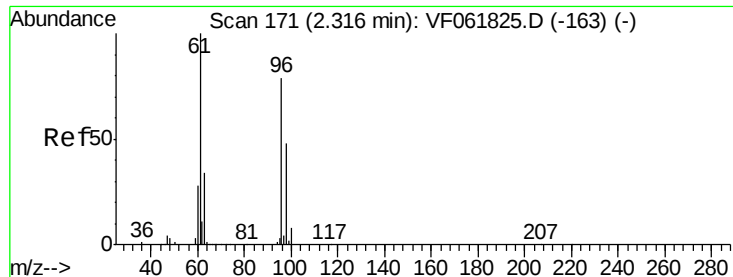


#20

Methylene Chloride
 Concen: 4.517 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VF061927.D
 Acq: 13 Mar 2019 15:00

Tgt Ion: 84 Resp: 23613
 Ion Ratio Lower Upper
 84 100
 49 134.9 96.8 145.2
 51 46.8 31.8 47.6
 86 68.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 26.426 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

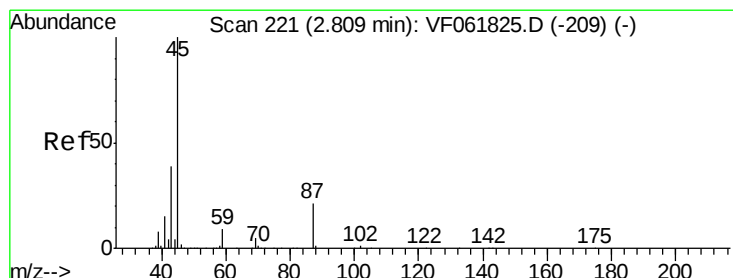
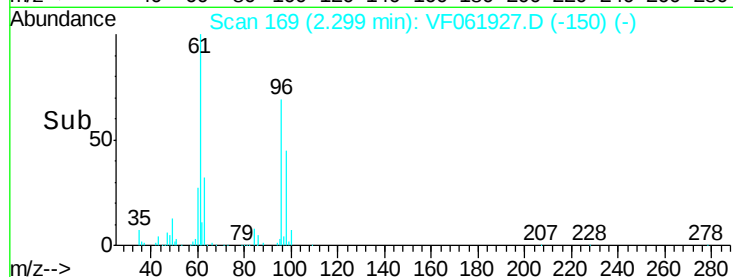
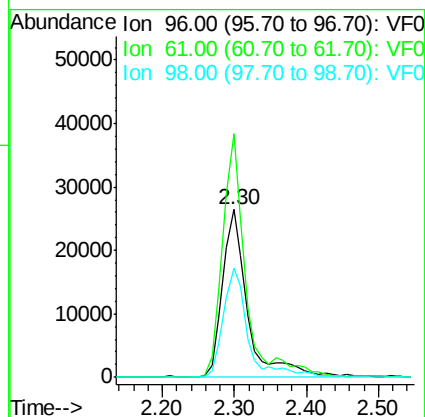
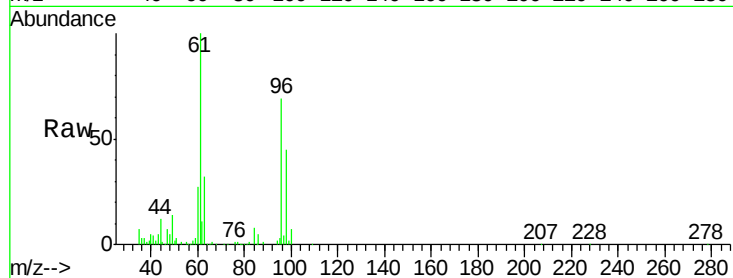
Tot Ion: 96 Resp: 63680

Ion Ratio Lower Upper

96 100

61 144.9 101.0 151.6

98 64.7 48.8 73.2



#22

Diisopropyl ether

Concen: 24.696 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Tgt Ion: 45 Resp: 181209

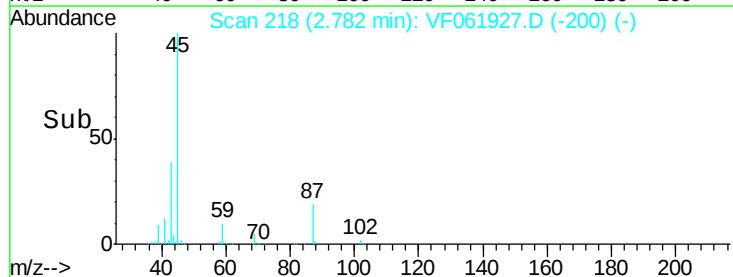
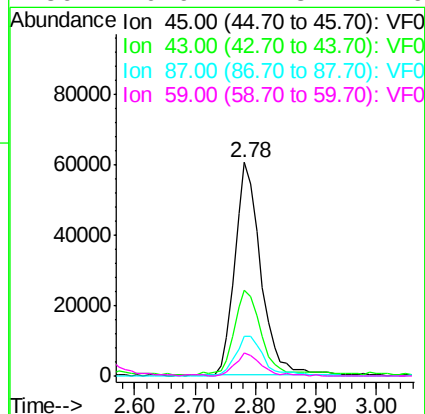
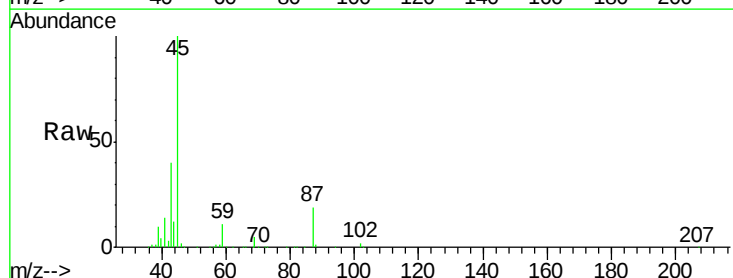
Ion Ratio Lower Upper

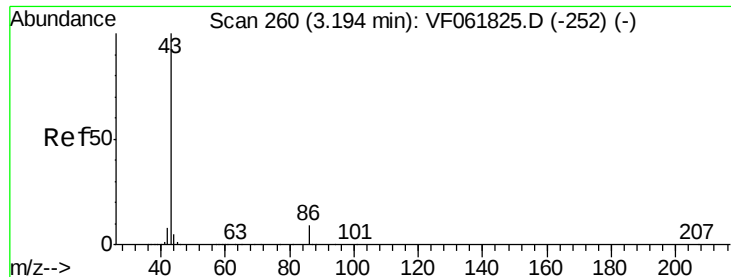
45 100

43 40.1 31.8 47.8

87 18.7 17.1 25.7

59 10.9 7.8 11.6





#23

Vinyl Acetate

Concen: 111.429 ug/l

RT: 3.18 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

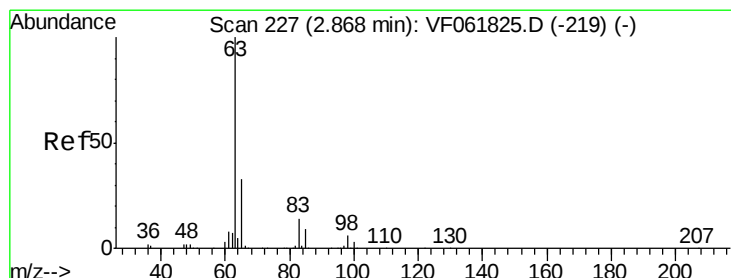
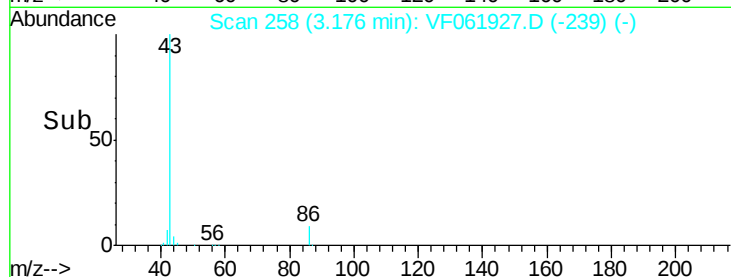
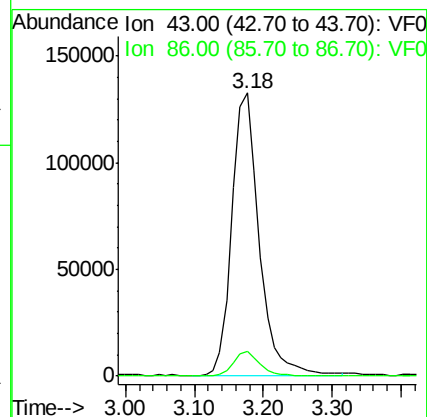
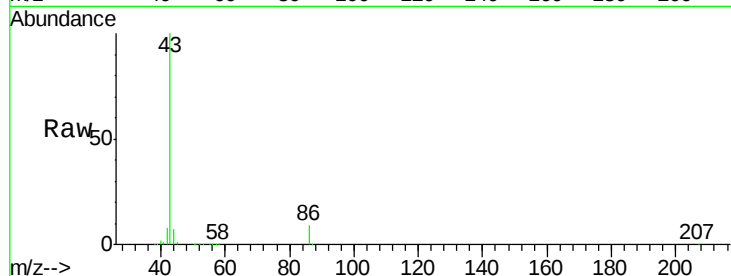
VF0313SBS01

Tot Ion: 43 Resp: 365253

Ion Ratio Lower Upper

43 100

86 9.0 7.0 10.4



#24

1,1-Dichloroethane

Concen: 24.916 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

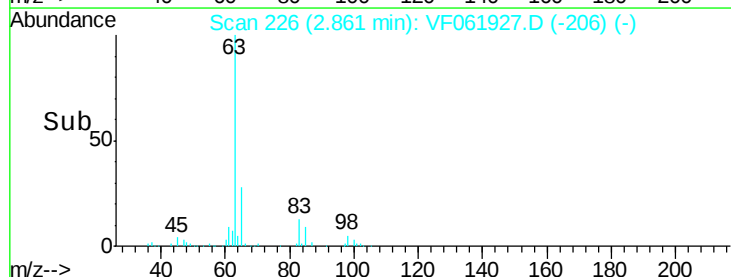
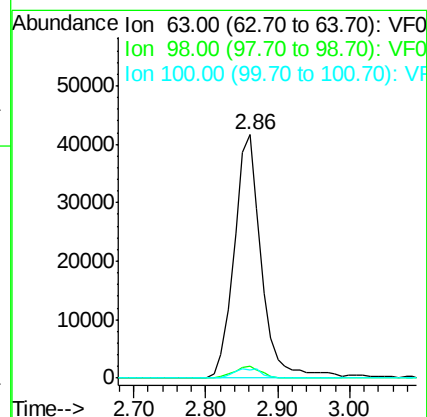
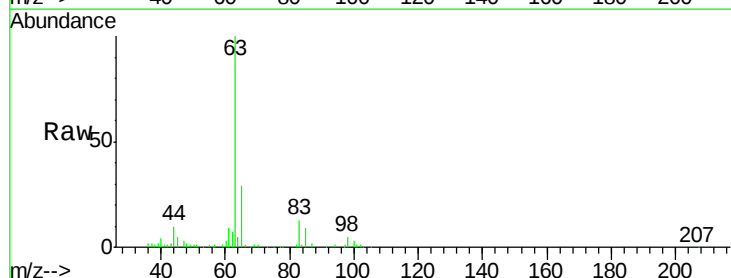
Tgt Ion: 63 Resp: 109274

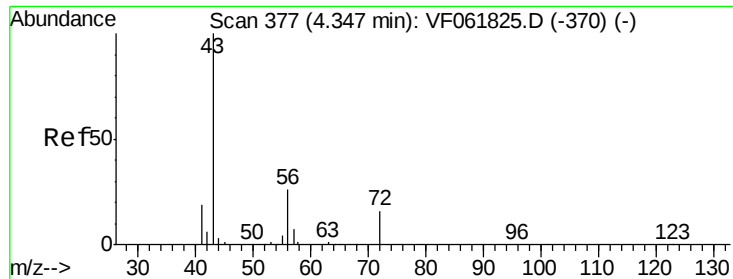
Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

100 3.4 1.8 5.3





#25

2-Butanone

Concen: 118.837 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

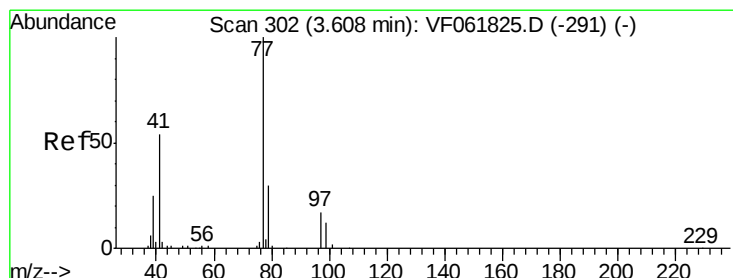
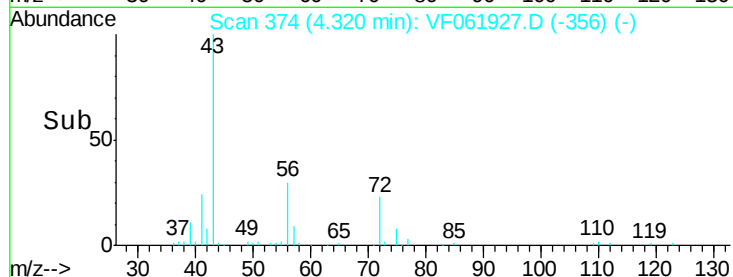
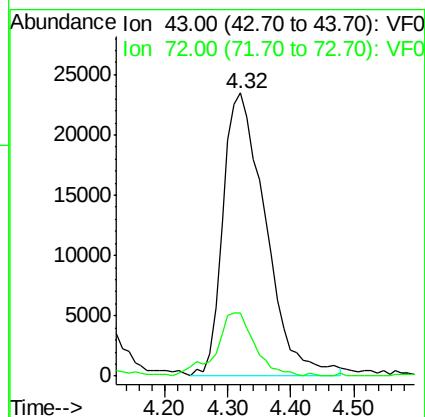
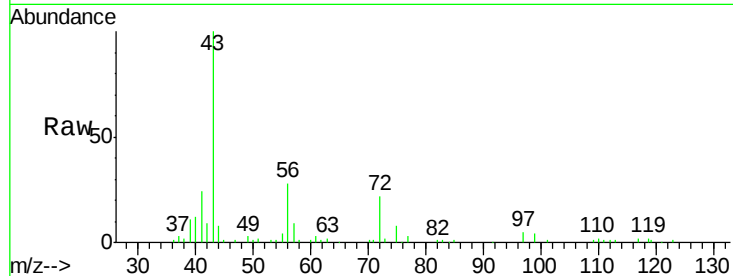
VF0313SBS01

Tot Ion: 43 Resp: 110394

Ion Ratio Lower Upper

43 100

72 22.3 16.2 24.4



#26

2,2-Dichloropropane

Concen: 23.493 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.03 min

Lab File: VF061927.D

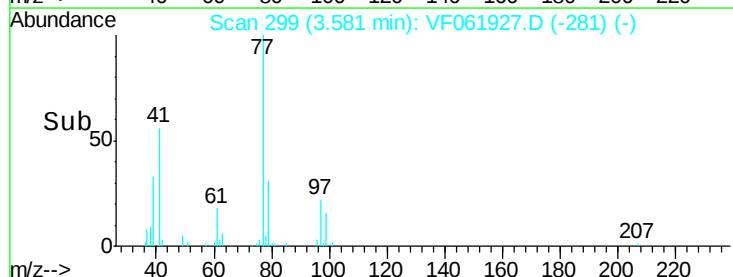
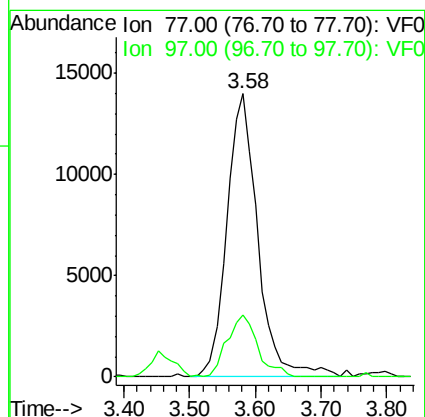
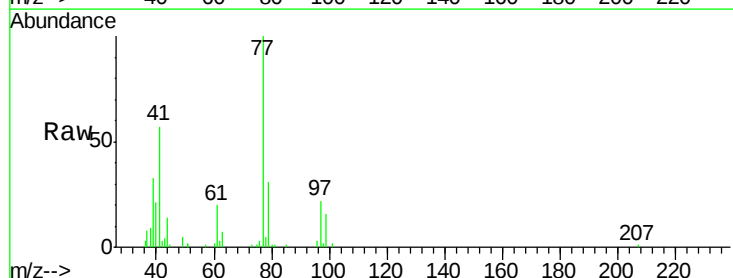
Acq: 13 Mar 2019 15:00

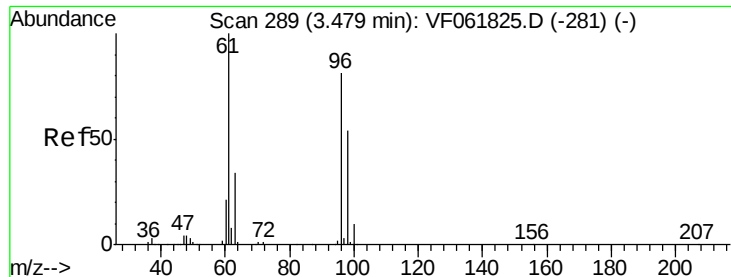
Tgt Ion: 77 Resp: 45995

Ion Ratio Lower Upper

77 100

97 21.7 10.4 31.4



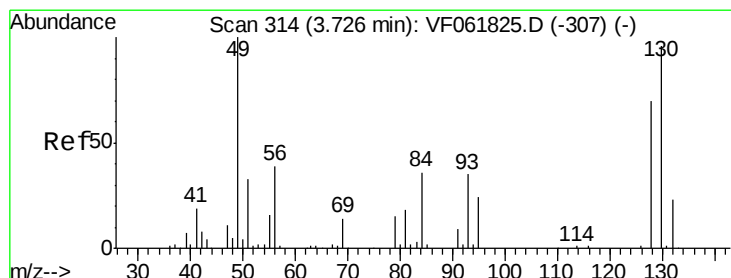
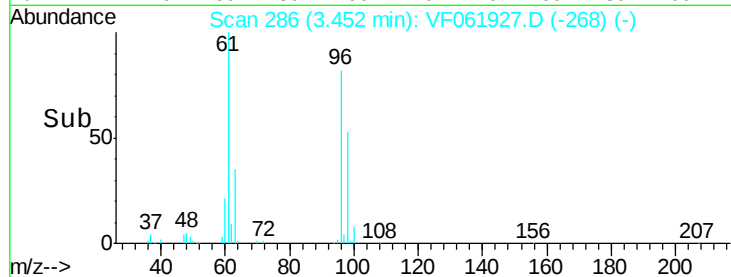
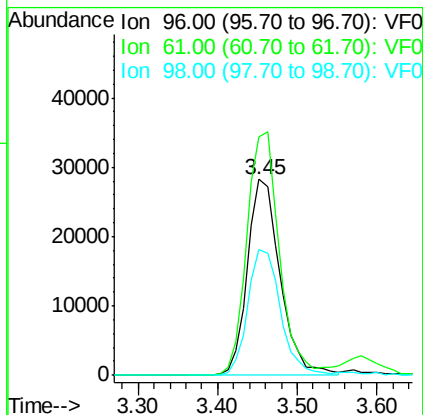
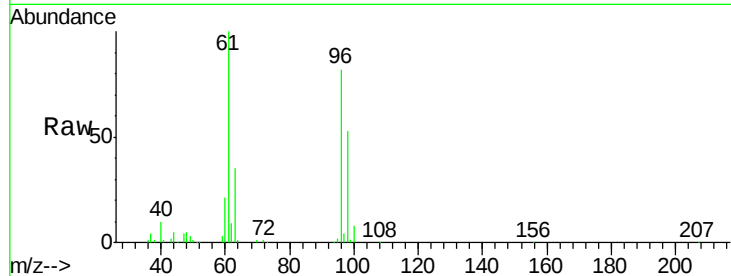


#27

cis-1,2-Dichloroethene
 Concen: 23.977 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.03 min
 Lab File: VF061927.D
 Acq: 13 Mar 2019 15:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

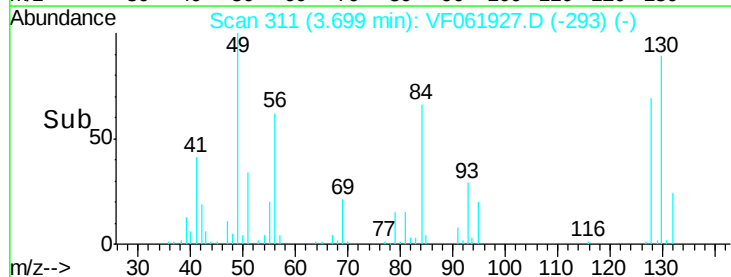
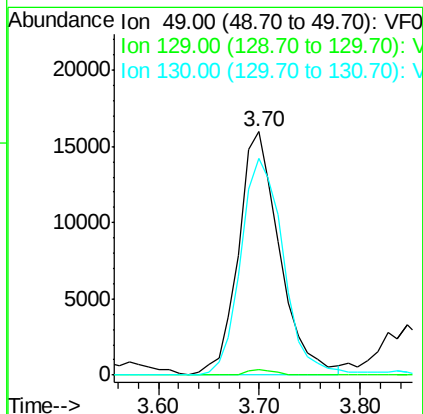
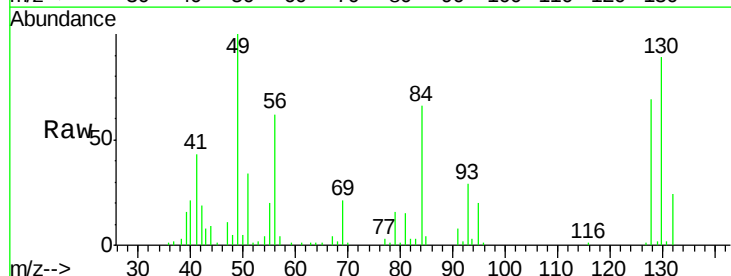
Tot Ion	Ratio	Lower	Upper
96	100		
61	121.8	0.0	245.8
98	64.4	0.0	132.6

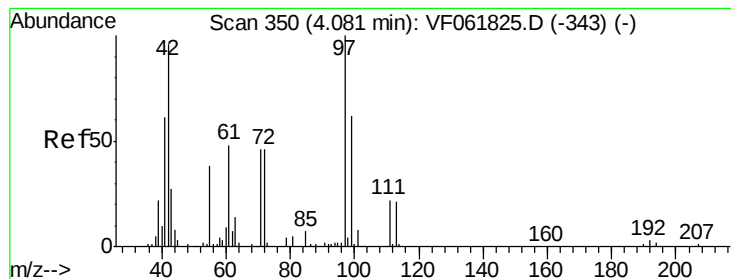


#28

Bromochloromethane
 Concen: 23.846 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.03 min
 Lab File: VF061927.D
 Acq: 13 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	0.0#
130	89.3	76.9	115.3





#29

Tetrahydrofuran

Concen: 114.537 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

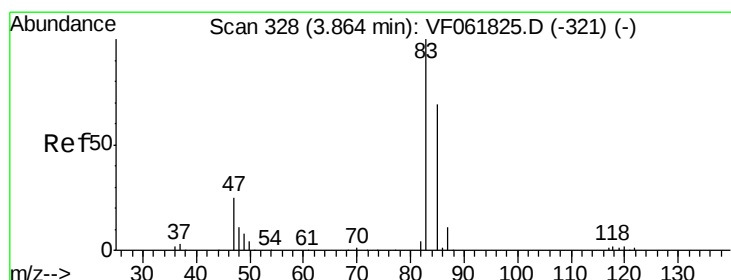
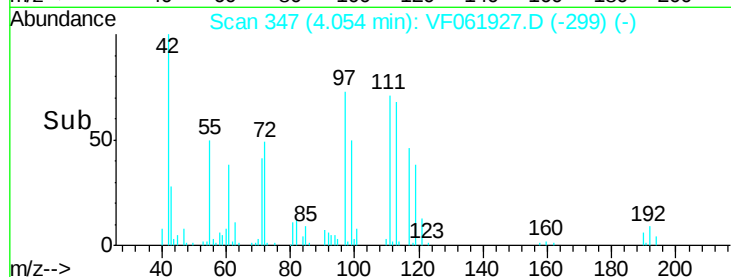
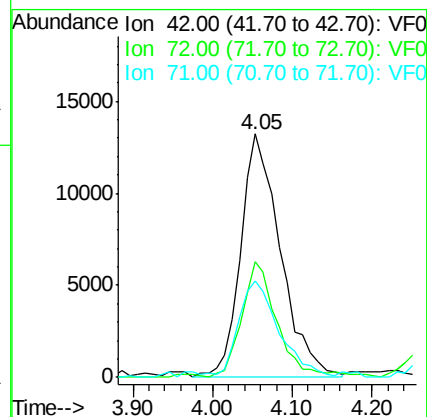
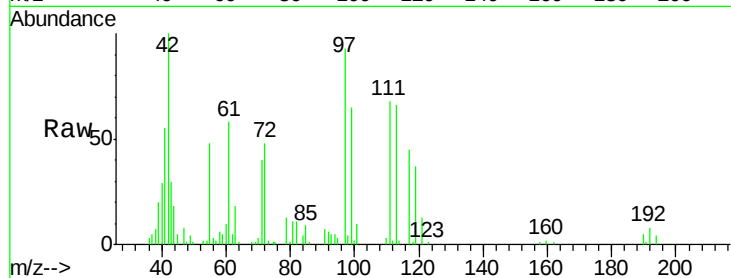
Tot Ion: 42 Resp: 45887

Ion Ratio Lower Upper

42 100

72 42.8 34.4 51.6

71 38.1 34.6 52.0



#30

Chloroform

Concen: 23.273 ug/l

RT: 3.84 min Scan# 325

Delta R.T. -0.03 min

Lab File: VF061927.D

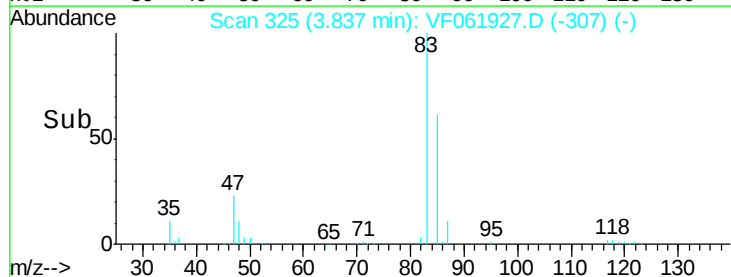
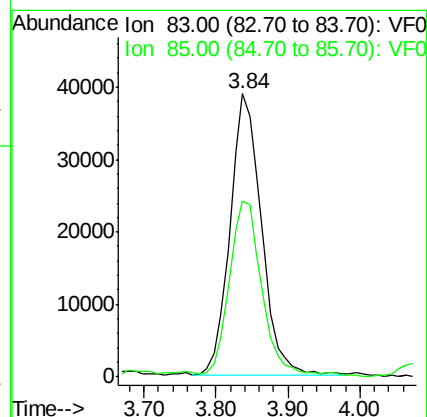
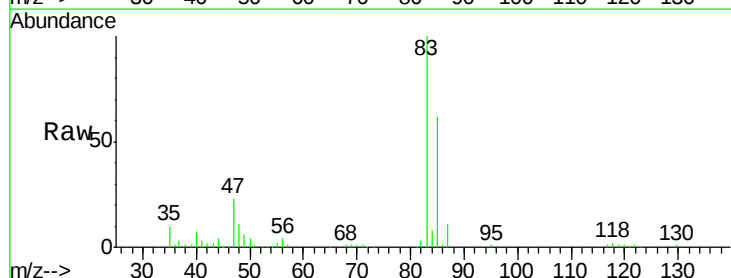
Acq: 13 Mar 2019 15:00

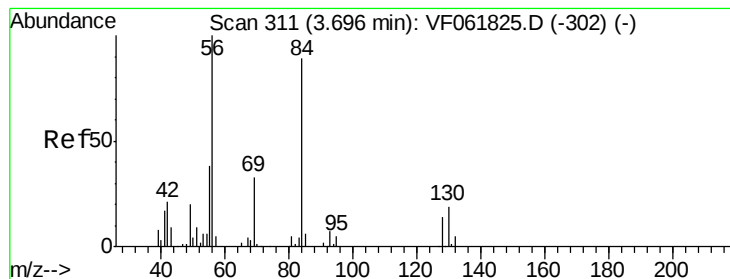
Tgt Ion: 83 Resp: 116584

Ion Ratio Lower Upper

83 100

85 62.2 55.3 82.9





#31

Cvclohexane

Concen: 14.030 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

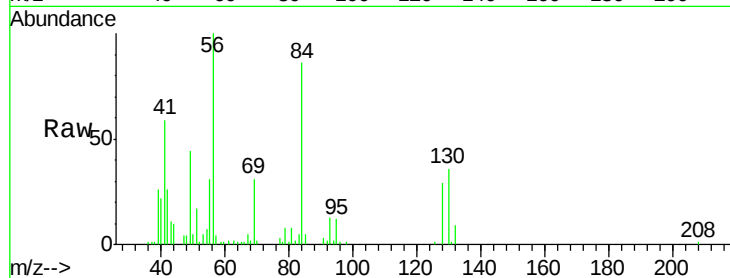
Tot Ion: 56 Resp: 64448

Ion Ratio Lower Upper

56 100

69 30.5 26.0 39.0

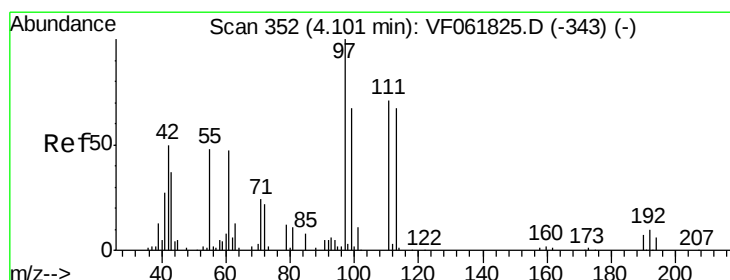
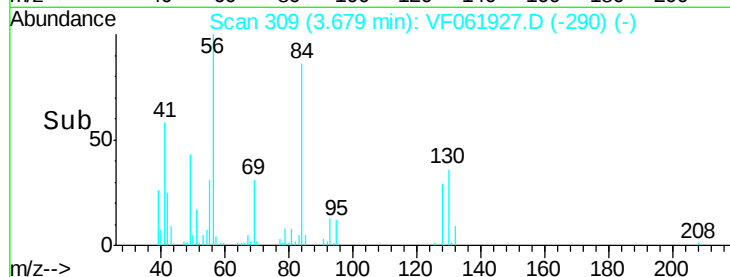
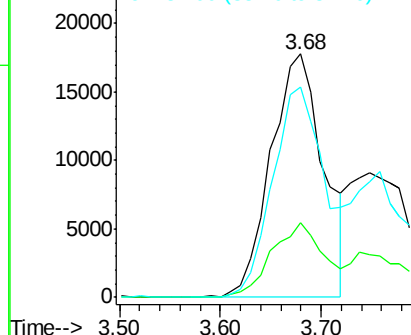
84 86.3 71.0 106.6



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: 22.938 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

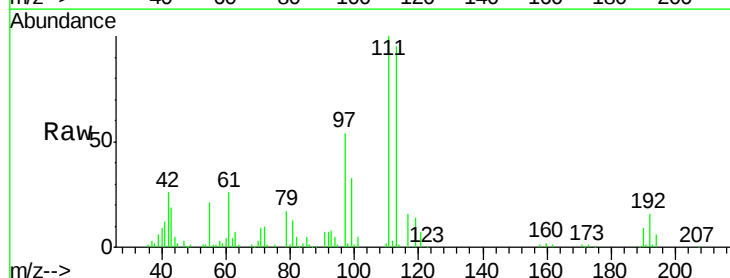
Tgt Ion: 97 Resp: 70826

Ion Ratio Lower Upper

97 100

99 61.2 53.8 80.8

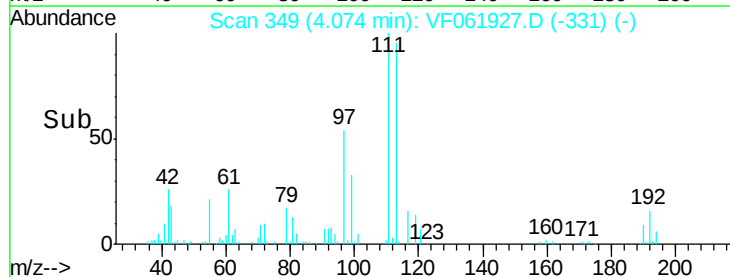
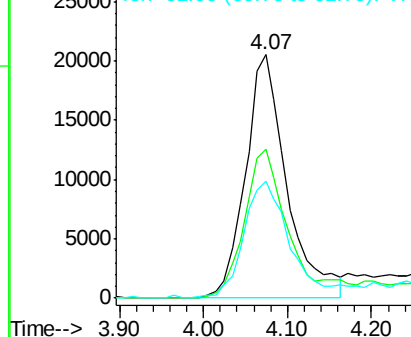
61 48.2 37.9 56.9

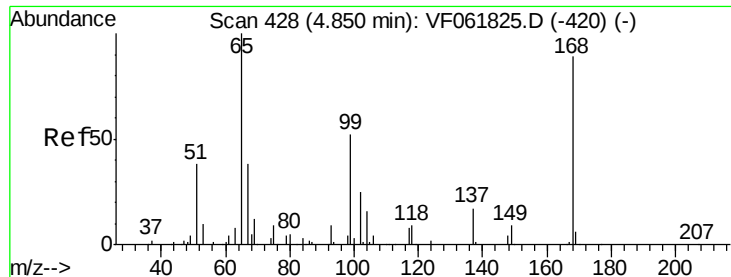


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 57.847 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

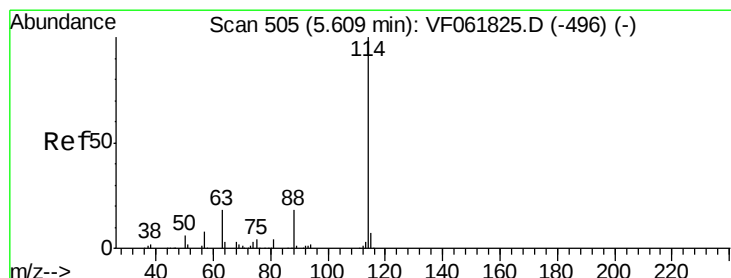
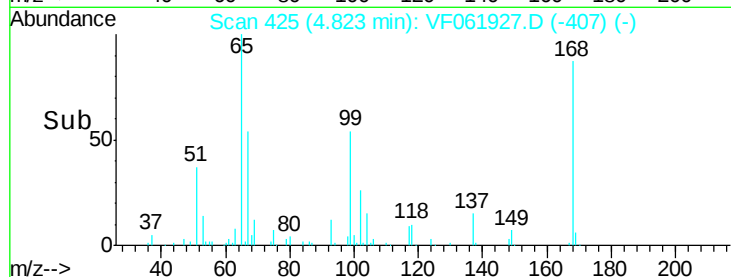
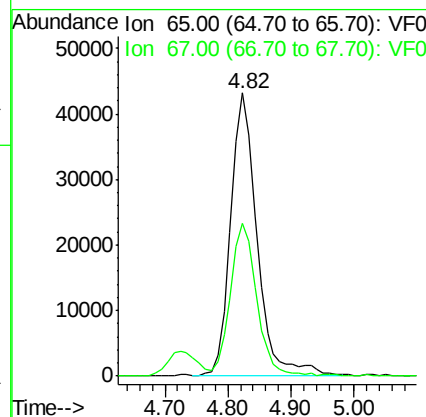
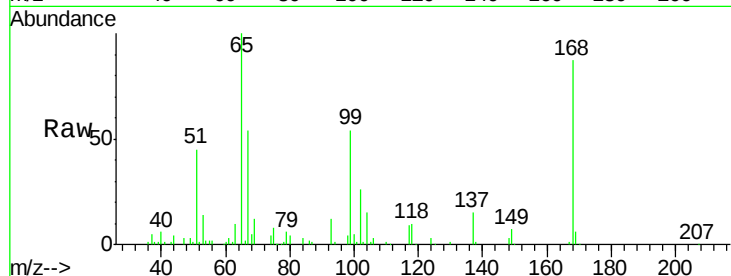
VF0313SBS01

Tot Ion: 65 Resp: 126120

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.04 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

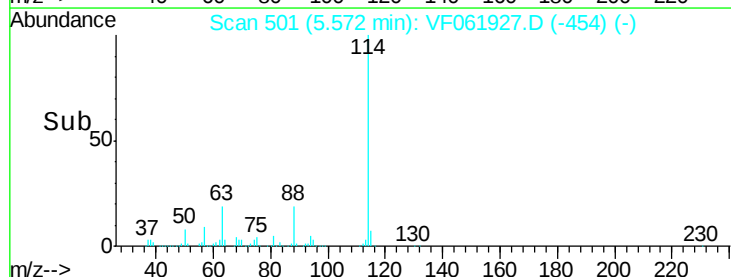
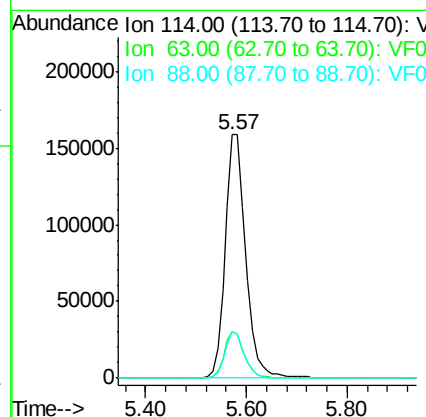
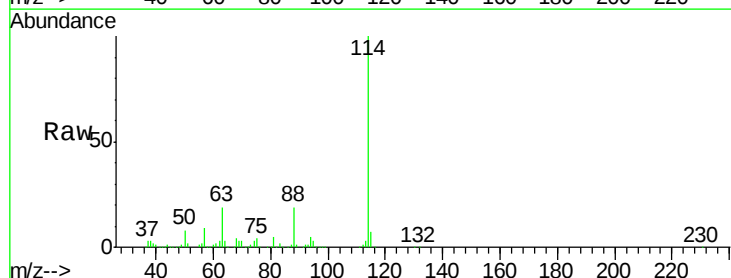
Tgt Ion: 114 Resp: 448375

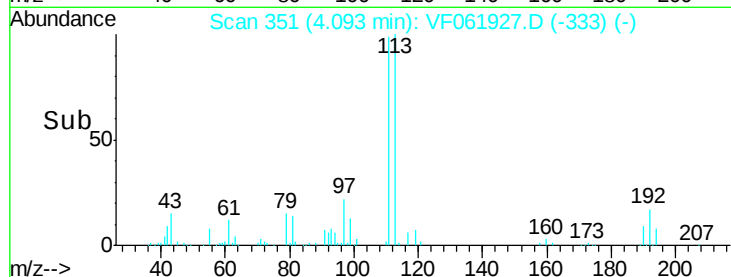
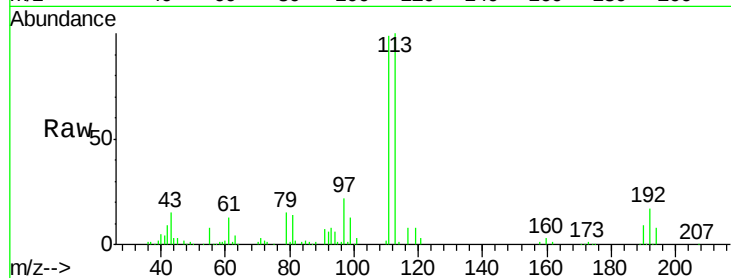
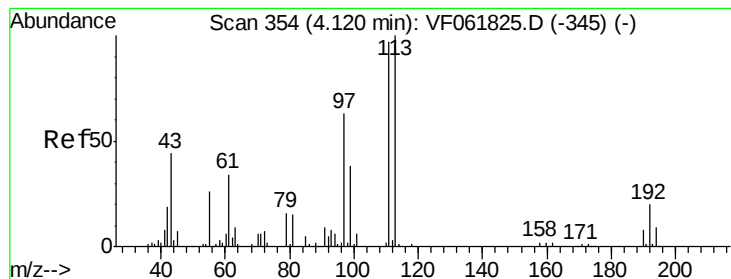
Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.6

88 19.0 0.0 35.6





#35

Dibromofluoromethane

Concen: 56.363 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

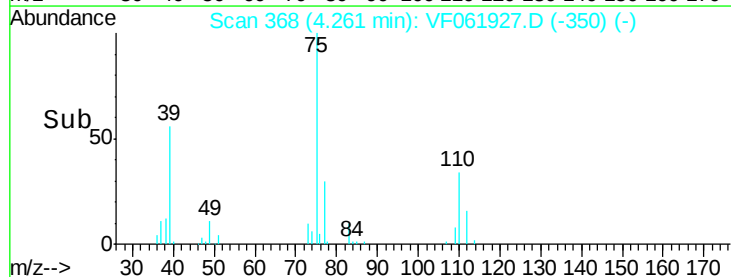
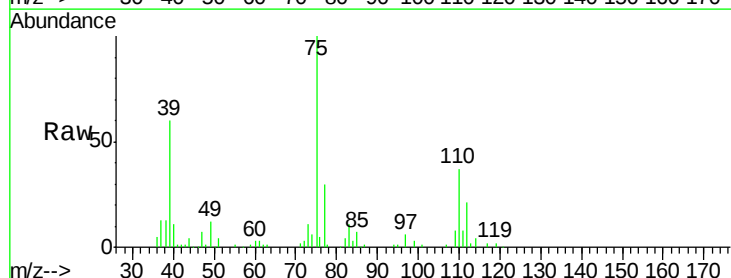
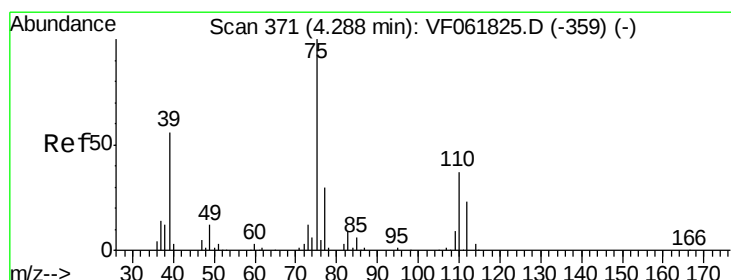
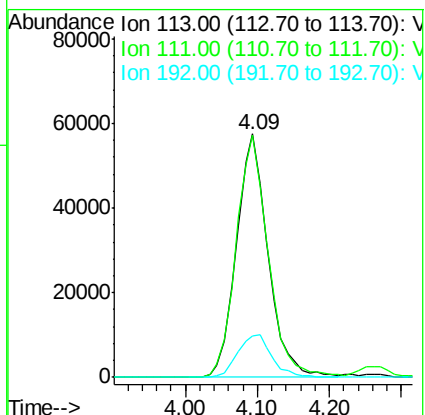
Tot Ion:113 Resp: 176365

Ion Ratio Lower Upper

113 100

111 99.5 77.6 116.4

192 17.1 15.9 23.9



#36

1,1-Dichloropropene

Concen: 23.297 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

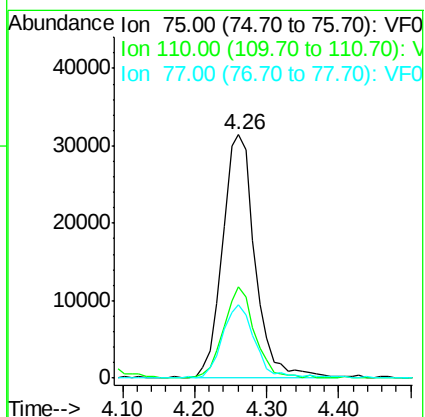
Tgt Ion: 75 Resp: 98673

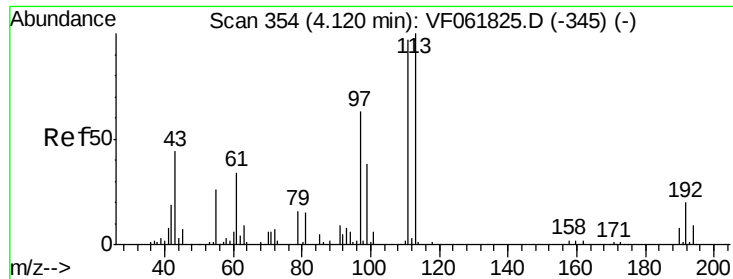
Ion Ratio Lower Upper

75 100

110 37.3 18.6 55.6

77 30.2 24.2 36.2

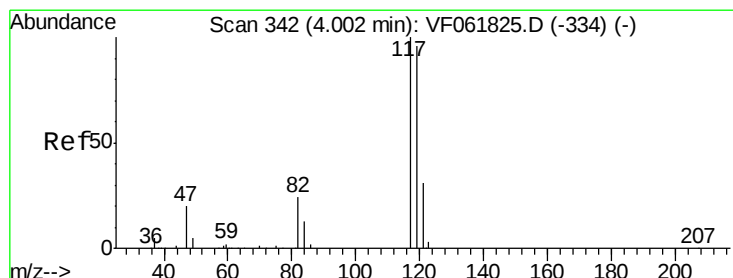
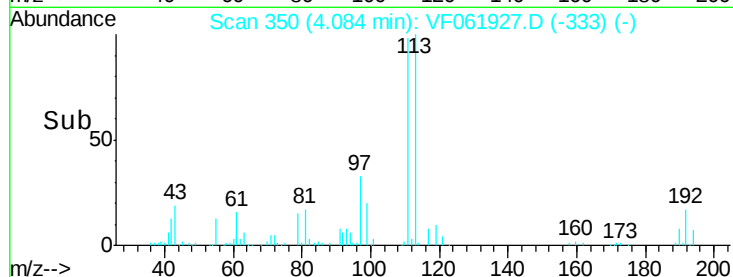
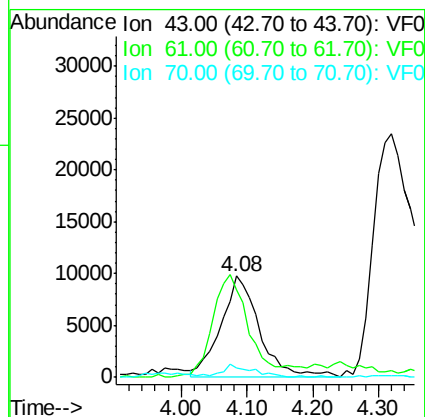
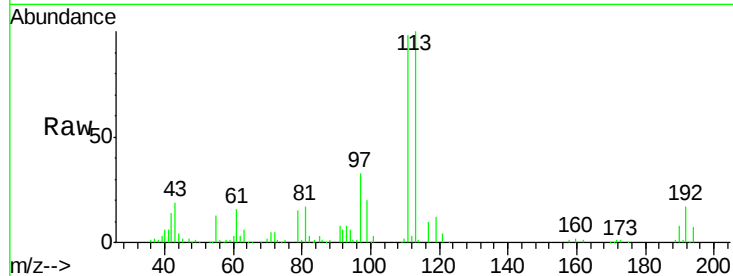




#37
Ethyl Acetate
Concen: 22.500 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.04 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

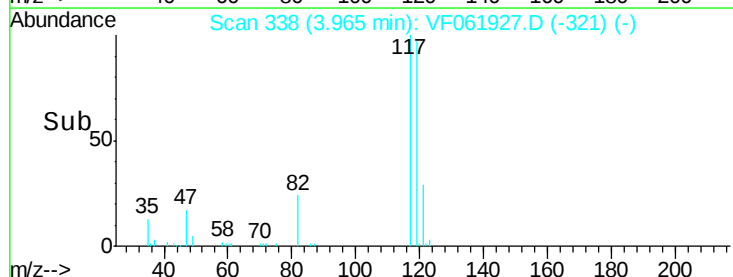
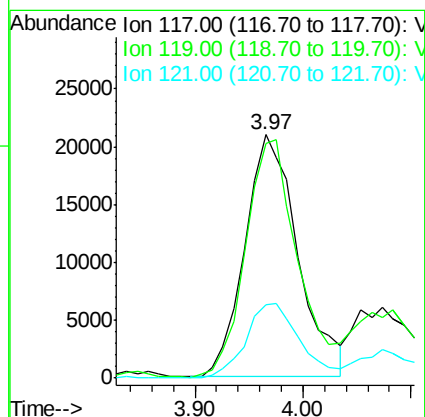
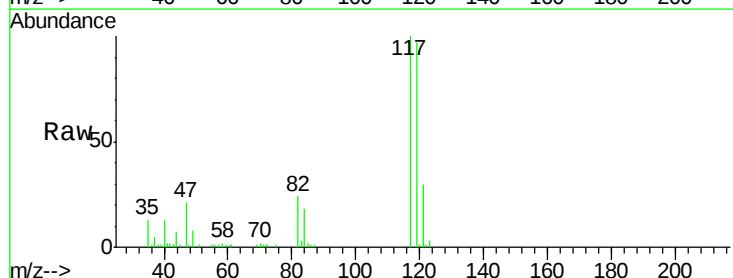
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

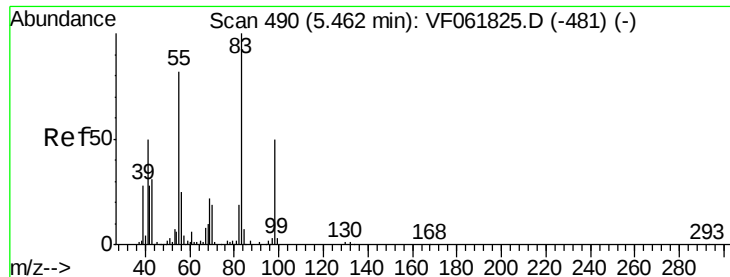
Tot Ion: 43 Resp: 39999
Ion Ratio Lower Upper
43 100
61 85.7 60.7 91.1
70 9.6 10.6 15.8#



#38
Carbon Tetrachloride
Concen: 23.733 ug/l
RT: 3.97 min Scan# 338
Delta R.T. -0.04 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

Tgt Ion: 117 Resp: 71156
Ion Ratio Lower Upper
117 100
119 96.6 76.6 114.8
121 30.6 24.4 36.6

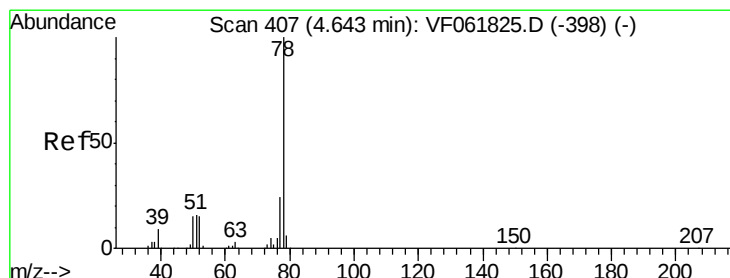
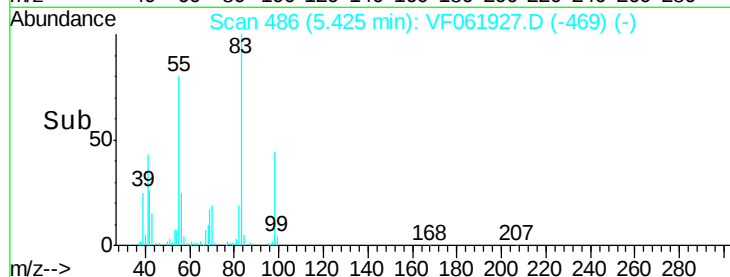
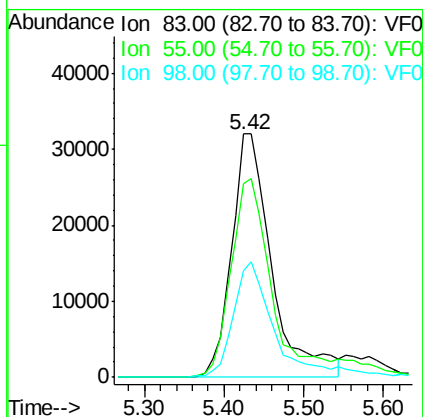
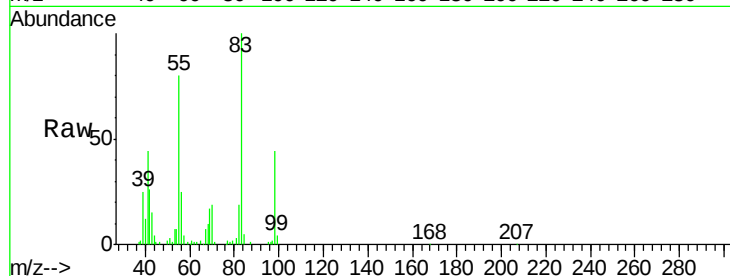




#39
Methvlcvclohexane
Concen: 22.498 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.04 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

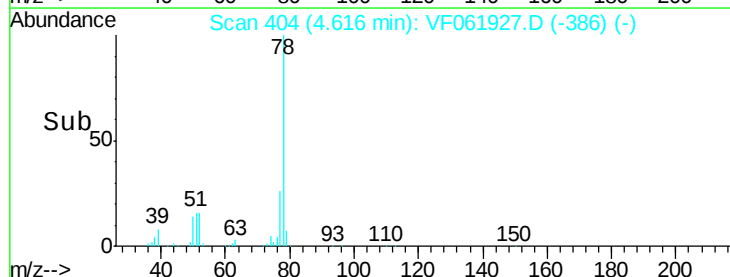
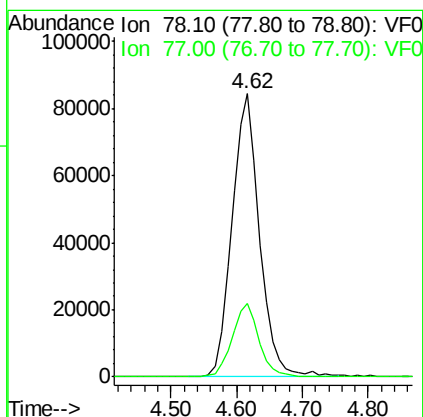
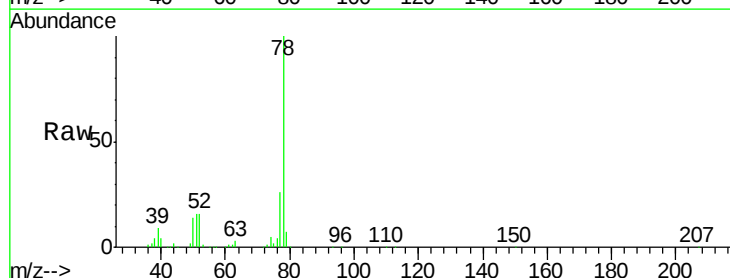
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

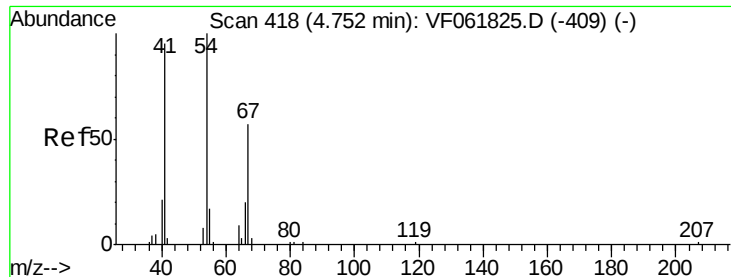
Tot Ion: 83 Resp: 112548
Ion Ratio Lower Upper
83 100
55 79.8 66.0 99.0
98 43.6 39.8 59.6



#40
Benzene
Concen: 22.295 ug/l
RT: 4.62 min Scan# 404
Delta R.T. -0.03 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

Tgt Ion: 78 Resp: 246820
Ion Ratio Lower Upper
78 100
77 25.8 19.5 29.3

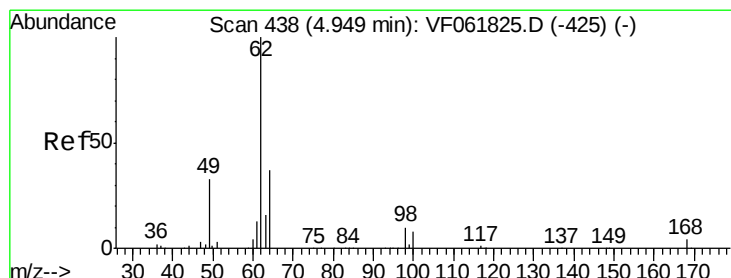
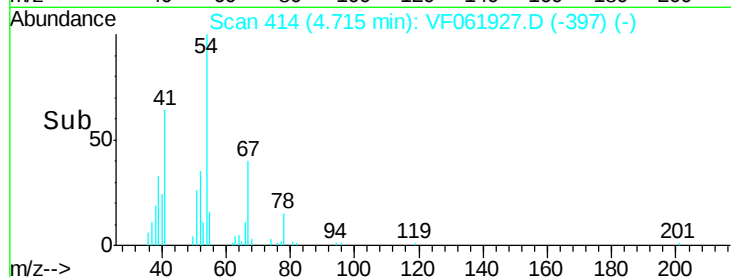
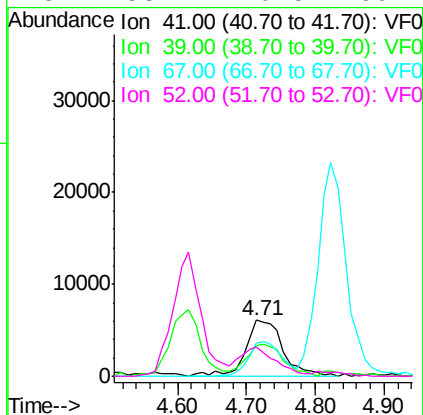
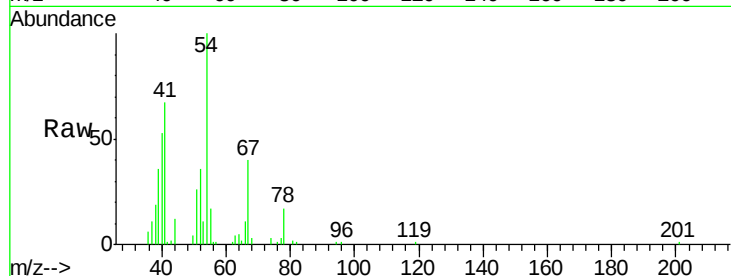




#41
Methacrylonitrile
Concen: 23.824 ug/l
RT: 4.71 min Scan# 414
Delta R.T. -0.04 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

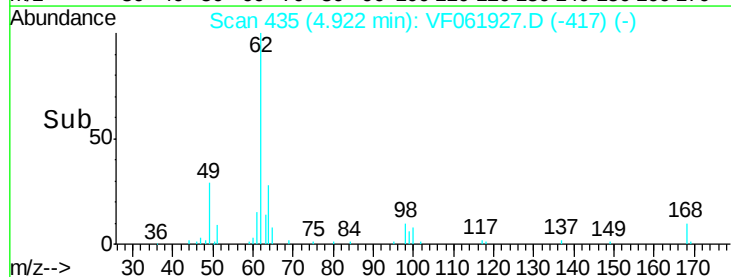
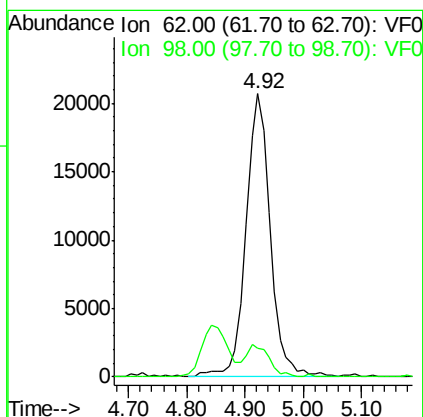
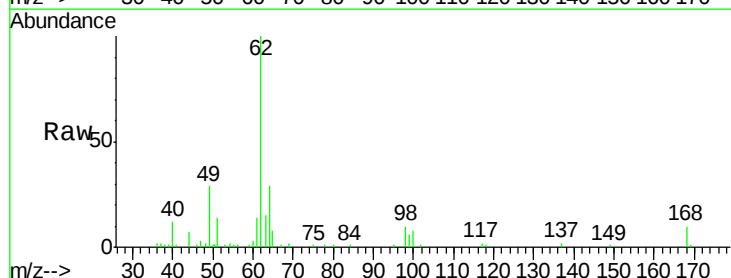
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

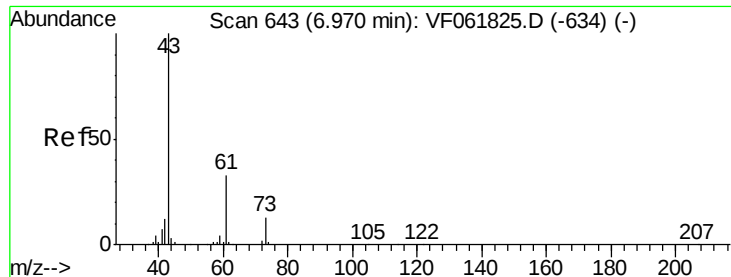
Tot Ion:	41	Resp:	23205
Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.0	64.6
67	58.8	47.8	71.8
52	53.4	40.5	60.7



#42
1,2-Dichloroethane
Concen: 21.992 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.03 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

Tgt Ion:	62	Resp:	60675
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	21.0





#43

Isopropyl Acetate

Concen: 20.527 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

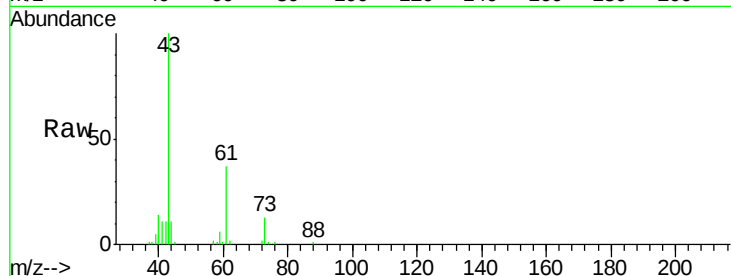
Tot Ion: 43 Resp: 44982

Ion Ratio Lower Upper

43 100

61 37.3 26.1 39.1

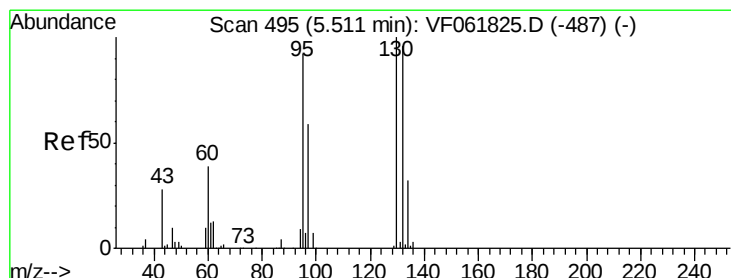
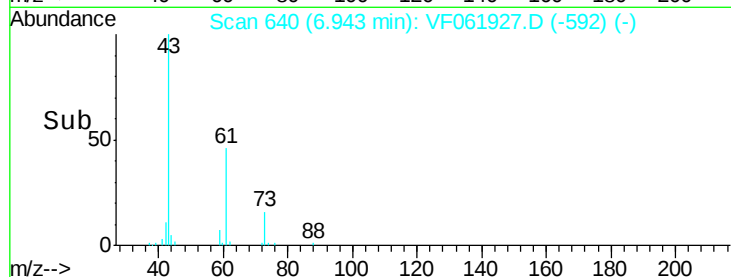
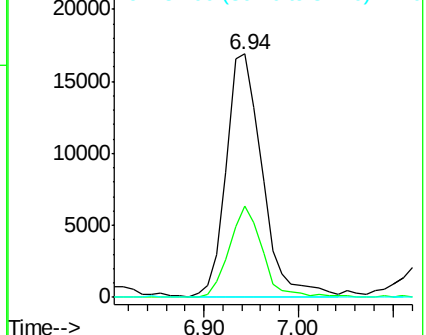
87 0.0 0.0 0.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 21.797 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.03 min

Lab File: VF061927.D

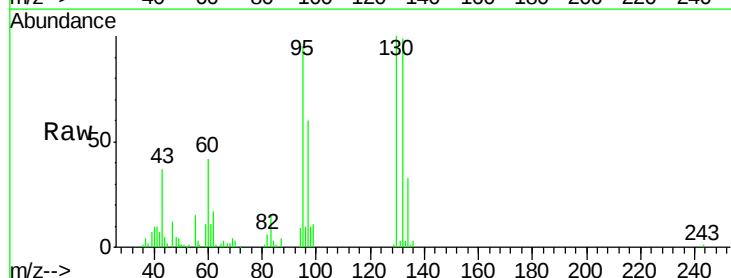
Acq: 13 Mar 2019 15:00

Tgt Ion:130 Resp: 74993

Ion Ratio Lower Upper

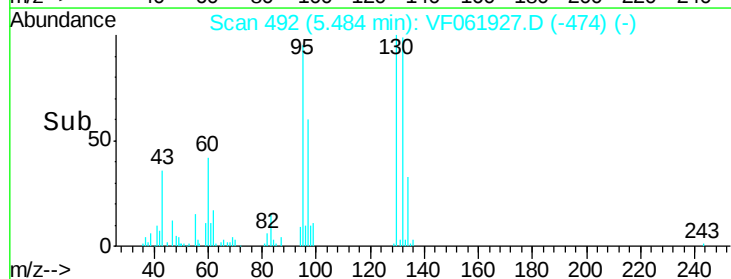
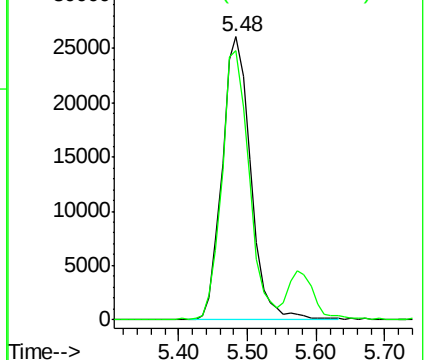
130 100

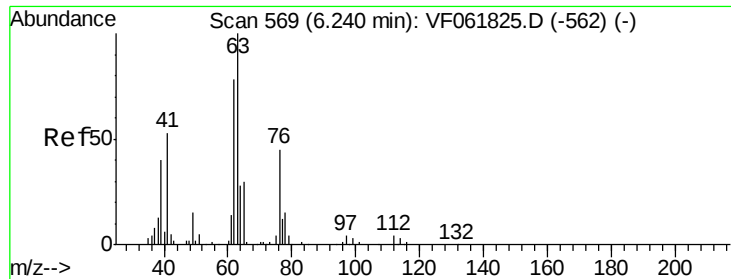
95 95.1 0.0 184.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.926 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

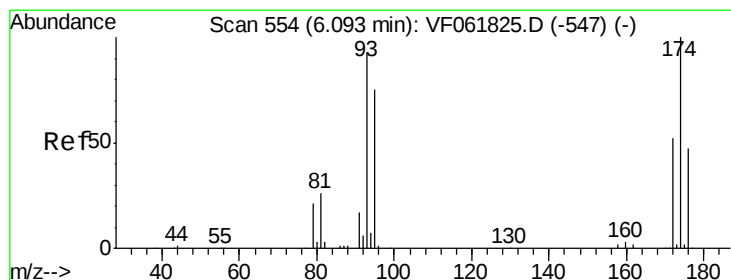
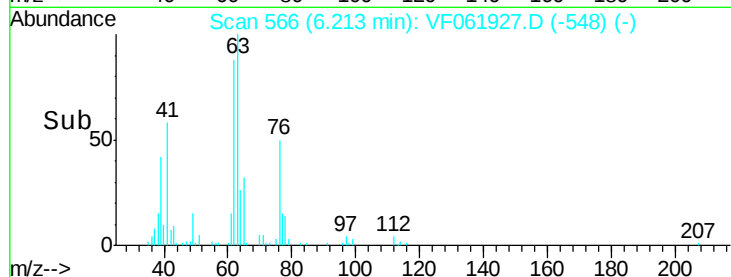
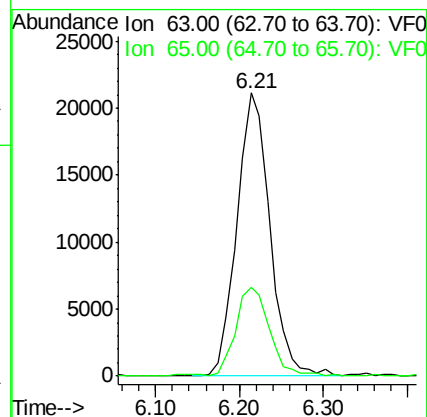
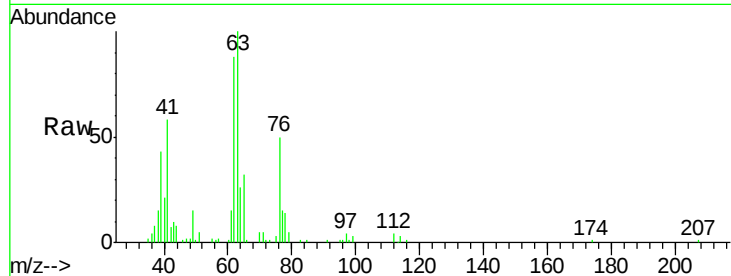
VF0313SBS01

Tot Ion: 63 Resp: 57721

Ion Ratio Lower Upper

63 100

65 31.6 24.0 36.0



#46

Dibromomethane

Concen: 21.932 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

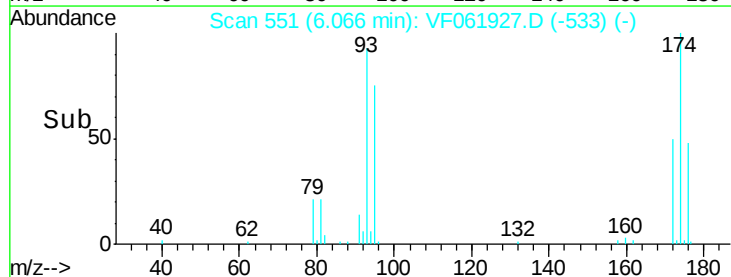
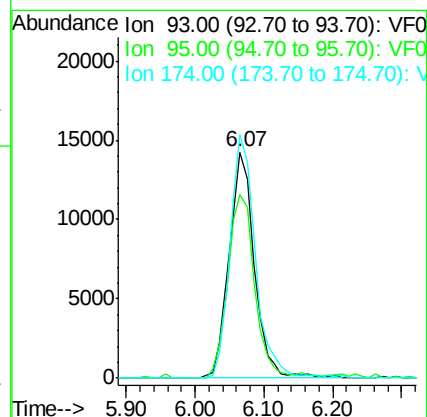
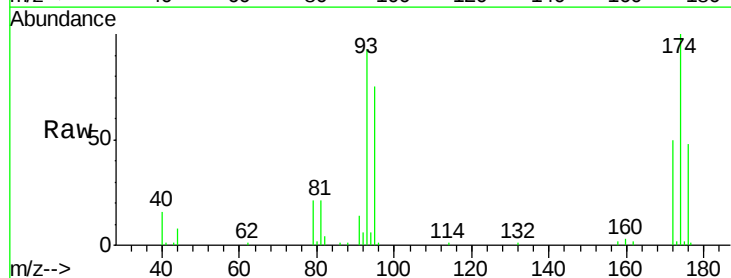
Tgt Ion: 93 Resp: 36338

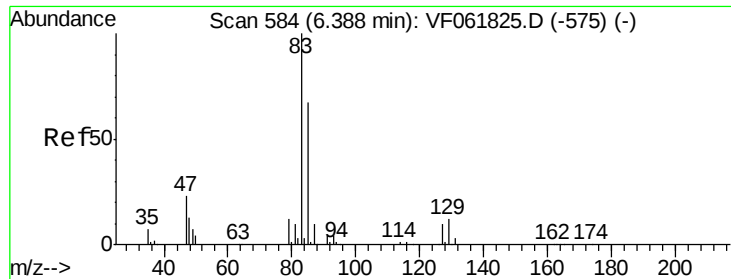
Ion Ratio Lower Upper

93 100

95 81.2 64.4 96.6

174 107.8 85.8 128.6





#47

Bromodichloromethane

Concen: 22.261 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

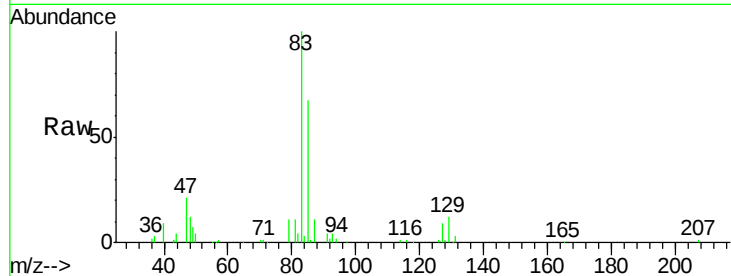
Tot Ion: 83 Resp: 81482

Ion Ratio Lower Upper

83 100

85 66.9 53.6 80.4

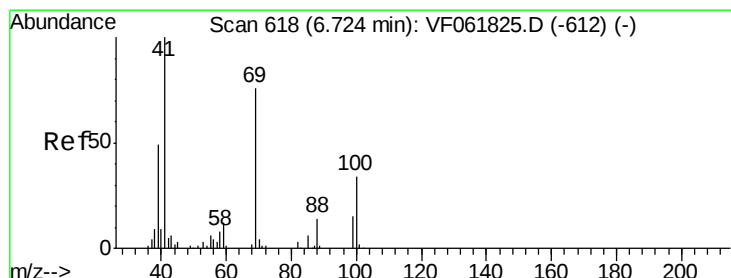
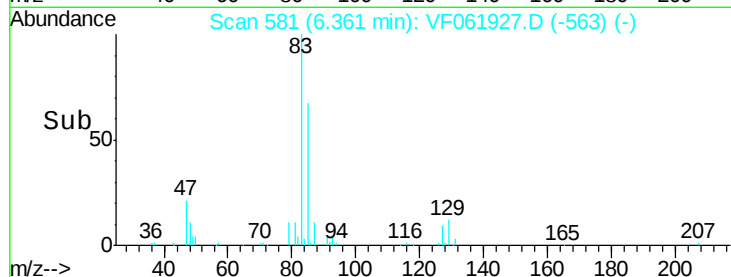
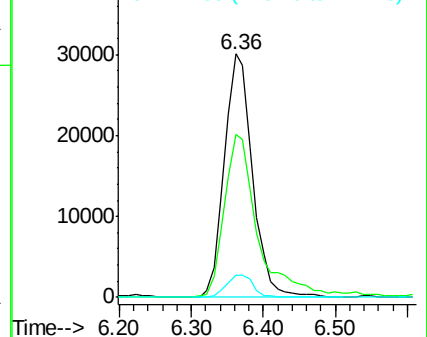
127 9.2 8.1 12.1



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: 19.414 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

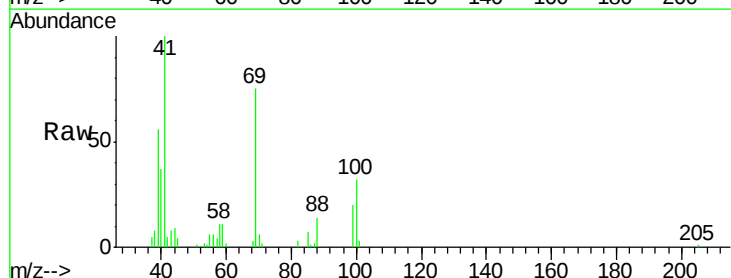
Tgt Ion: 41 Resp: 26925

Ion Ratio Lower Upper

41 100

69 74.5 60.4 90.6

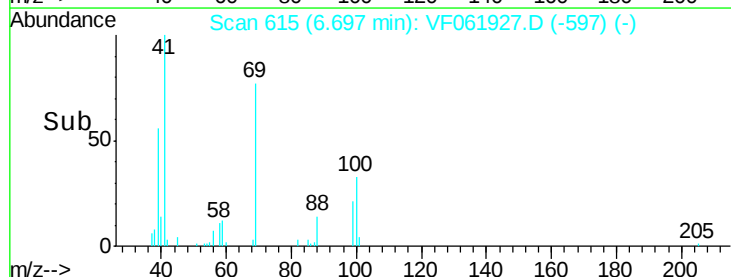
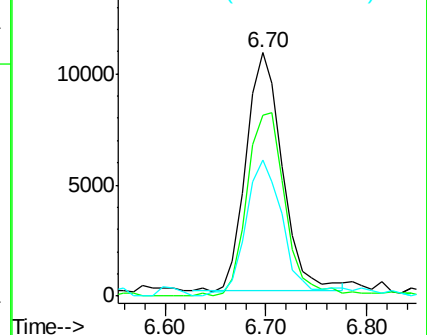
39 55.6 39.7 59.5



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

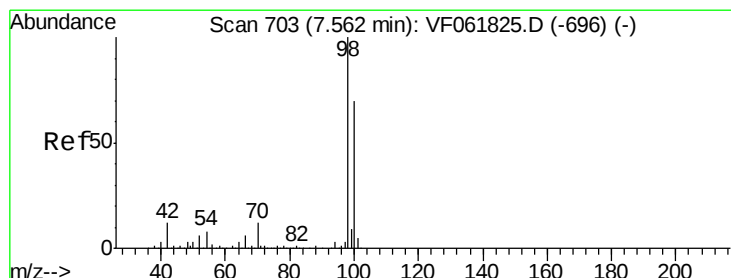
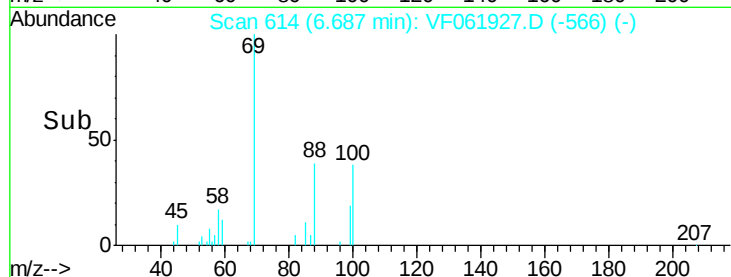
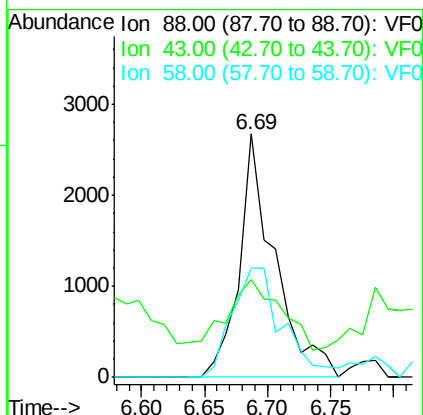
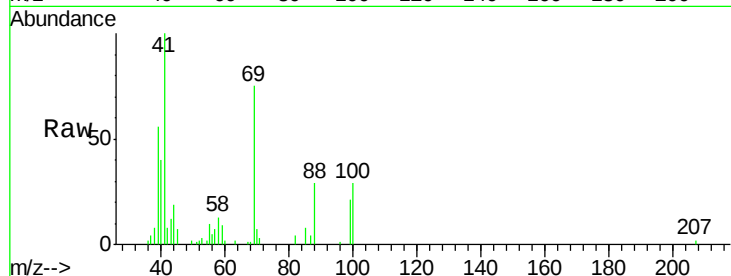




#49
 1,4-Dioxane
 Concen: 407.401 ug/l
 RT: 6.69 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: VF061927.D
 Acq: 13 Mar 2019 15:00

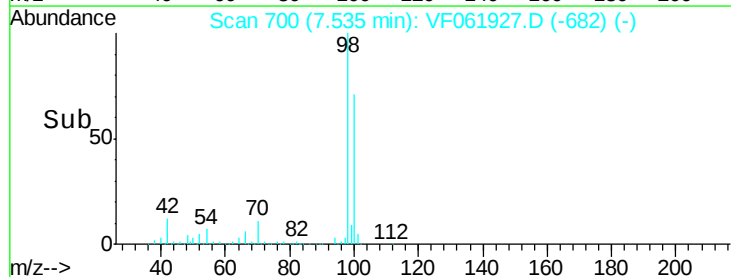
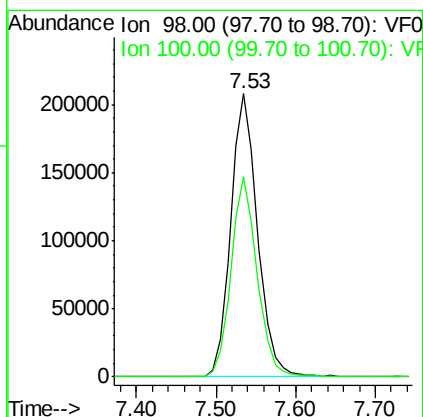
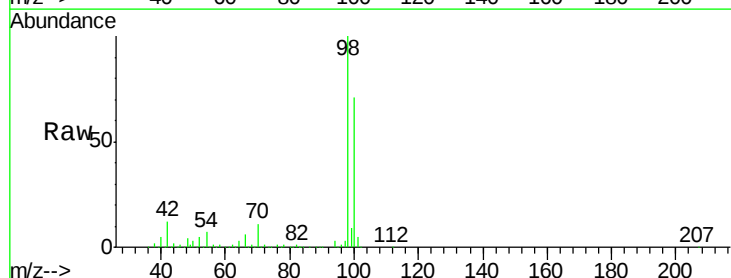
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

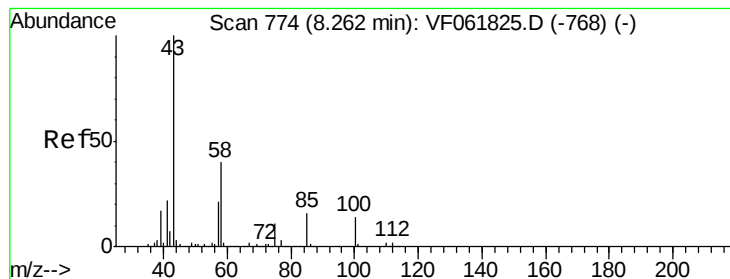
Tot Ion: 88 Resp: 5165
 Ion Ratio Lower Upper
 88 100
 43 40.1 28.4 42.6
 58 44.7 50.7 76.1#



#50
 Toluene-d8
 Concen: 52.570 ug/l
 RT: 7.53 min Scan# 700
 Delta R.T. -0.03 min
 Lab File: VF061927.D
 Acq: 13 Mar 2019 15:00

Tgt Ion: 98 Resp: 488932
 Ion Ratio Lower Upper
 98 100
 100 70.5 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 112.198 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

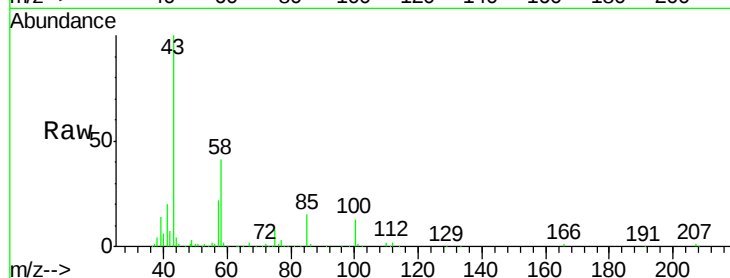
VF0313SBS01

Tot Ion: 43 Resp: 169927

Ion Ratio Lower Upper

43 100

58 41.1 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.23

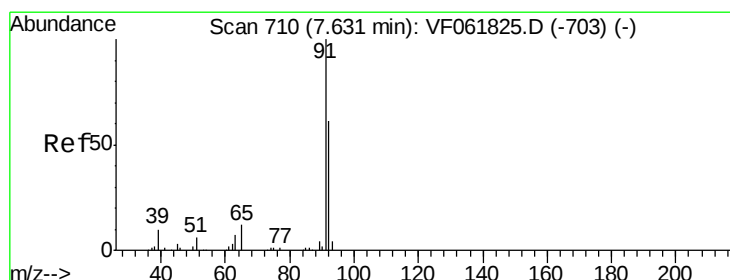
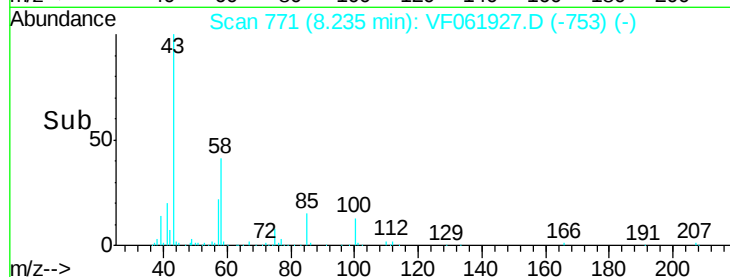
60000

40000

20000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 22.815 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061927.D

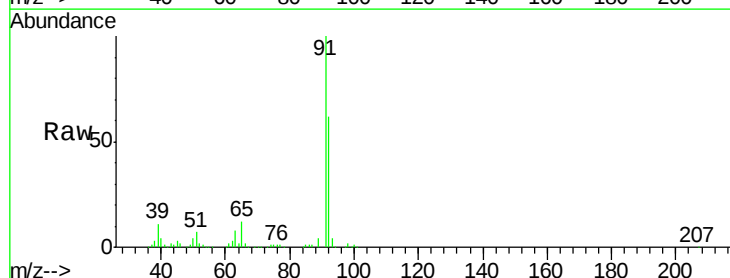
Acq: 13 Mar 2019 15:00

Tgt Ion: 92 Resp: 149422

Ion Ratio Lower Upper

92 100

91 160.0 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

120000

100000

80000

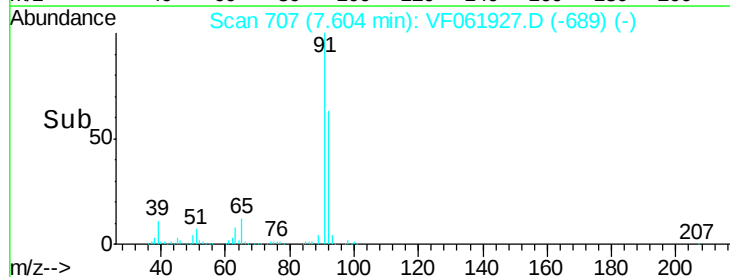
60000

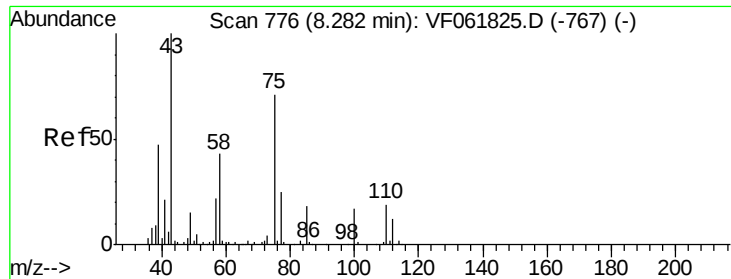
40000

20000

0

Time--> 7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 21.095 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

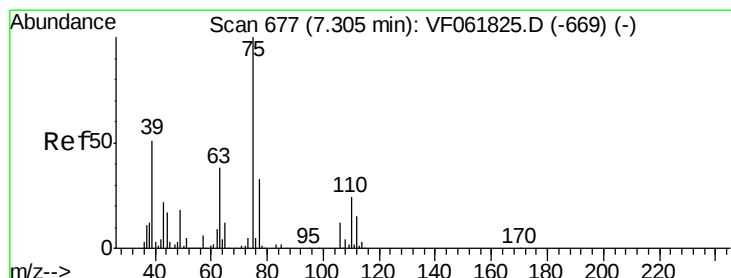
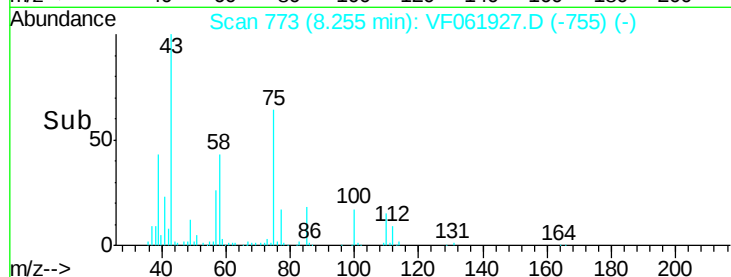
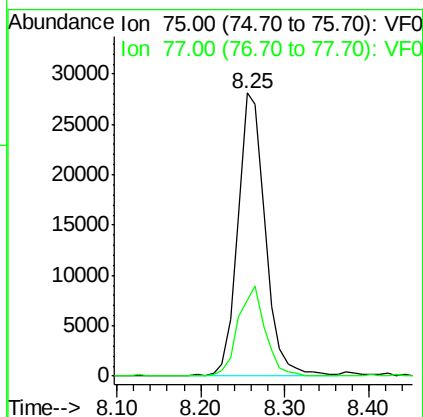
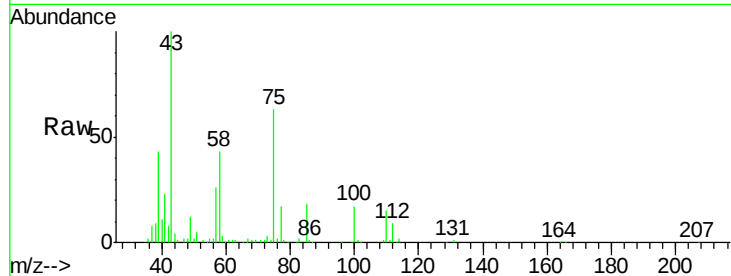
VF0313SBS01

Tot Ion: 75 Resp: 63738

Ion Ratio Lower Upper

75 100

77 27.1 28.0 42.0#



#54

cis-1,3-Dichloropropene

Concen: 22.333 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

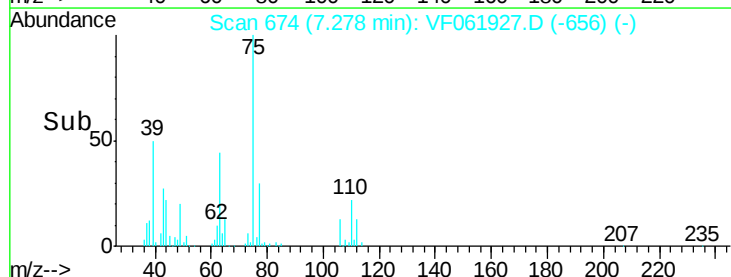
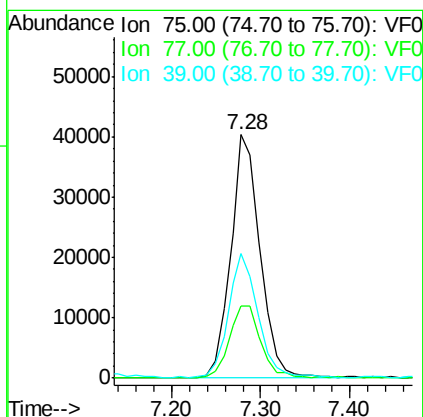
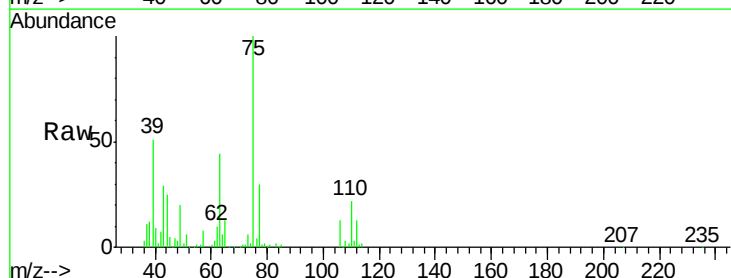
Tgt Ion: 75 Resp: 93076

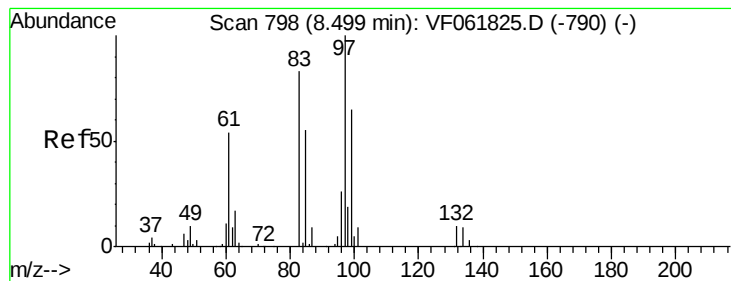
Ion Ratio Lower Upper

75 100

77 29.9 26.3 39.5

39 51.2 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 20.357 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

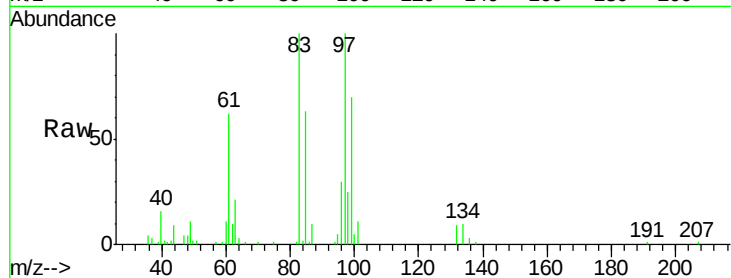
MSVOA_F

ClientSampleId :

VF0313SBS01

Tot Ion: 97 Resp: 38413

Ion	Ratio	Lower	Upper
97	100		
83	99.9	66.5	99.7#
85	62.9	44.2	66.2
99	69.8	51.8	77.6

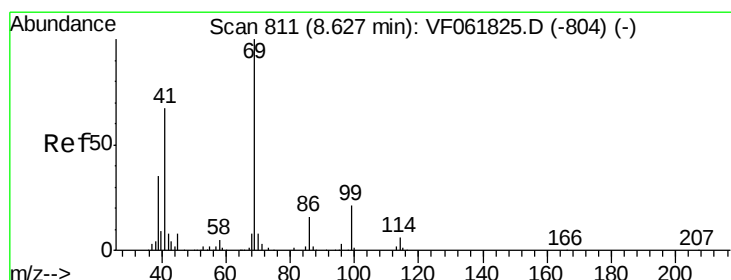
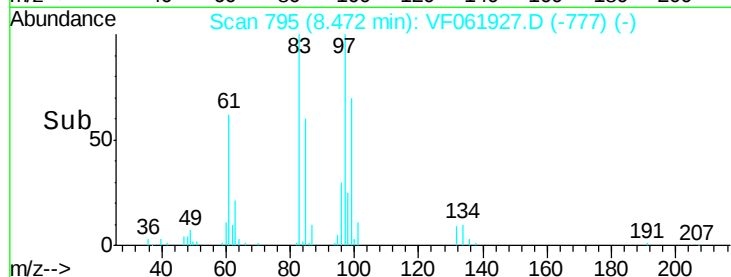
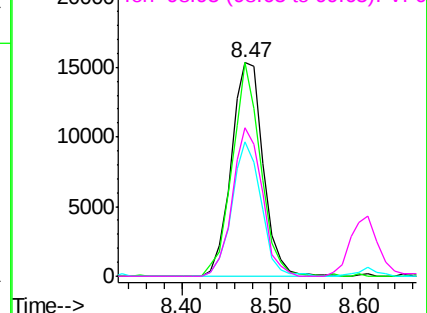


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.383 ug/l

RT: 8.60 min Scan# 808

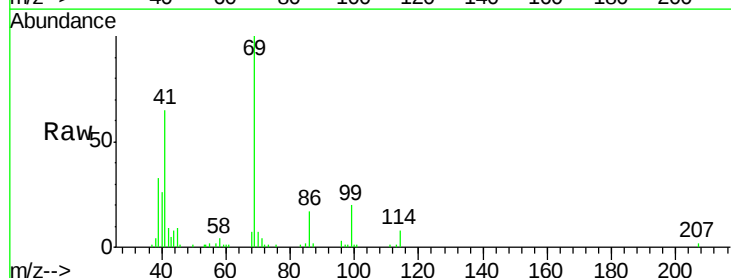
Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Tgt Ion: 69 Resp: 43348

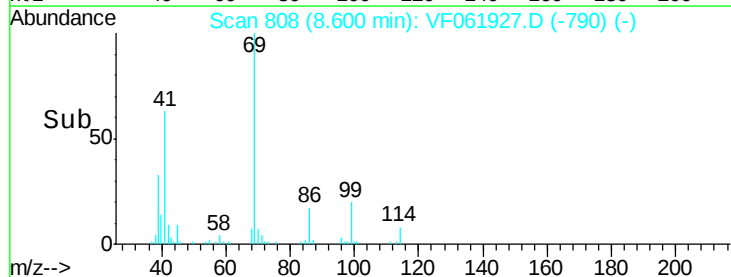
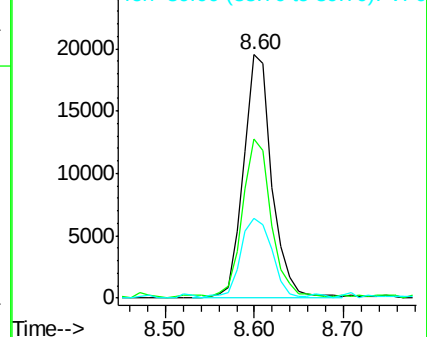
Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.9	80.9
39	32.9	28.3	42.5

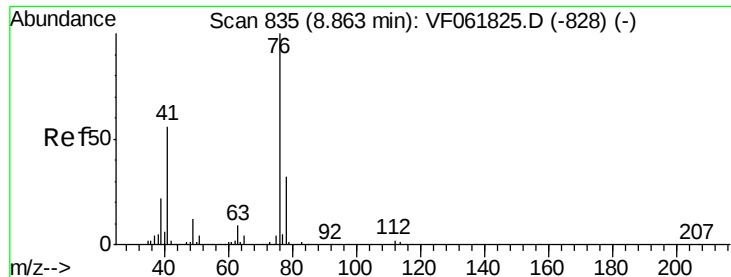


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.506 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

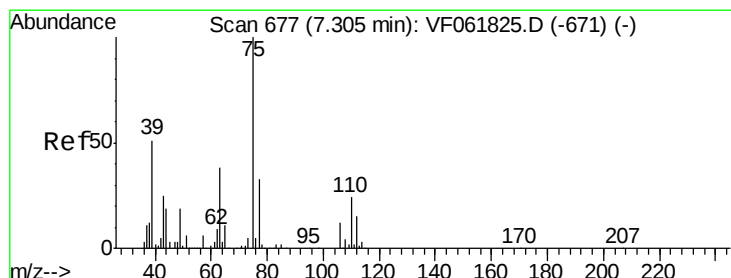
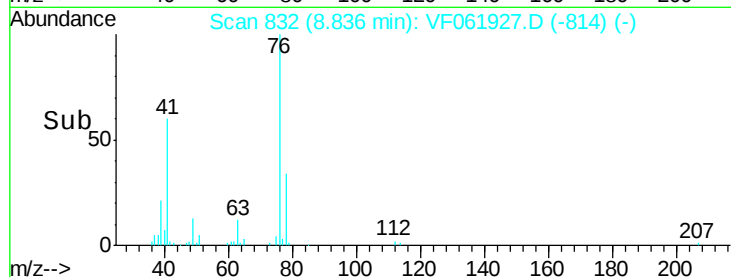
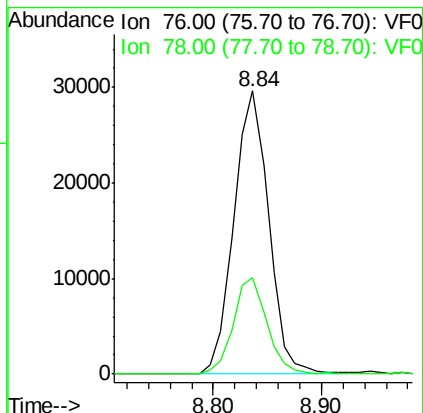
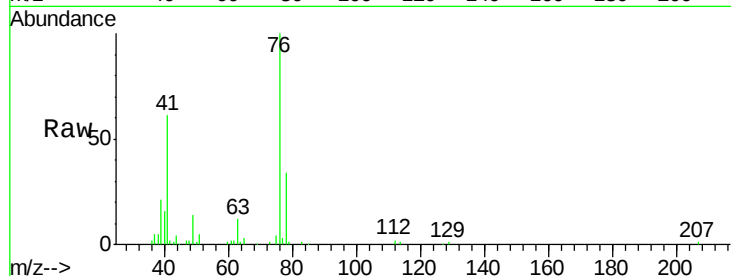
VF0313SBS01

Tot Ion: 76 Resp: 66368

Ion Ratio Lower Upper

76 100

78 34.1 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 124.135 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061927.D

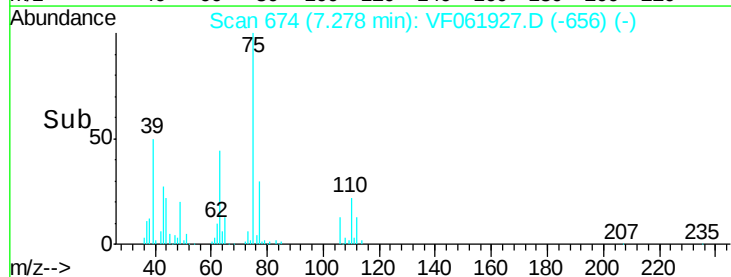
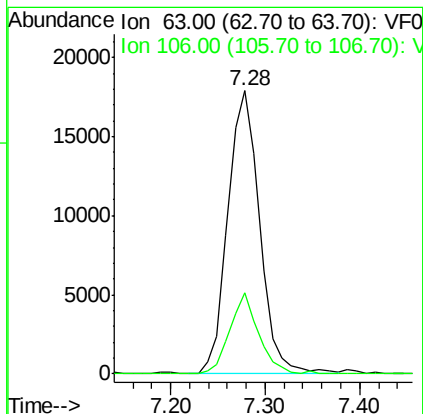
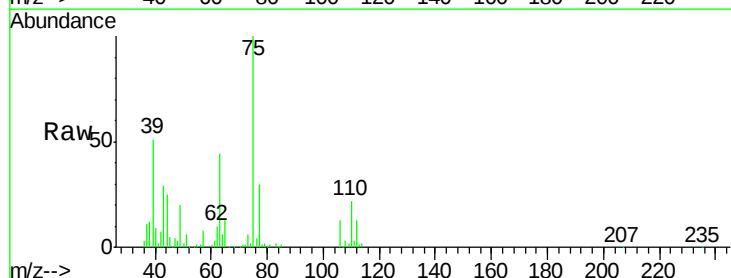
Acq: 13 Mar 2019 15:00

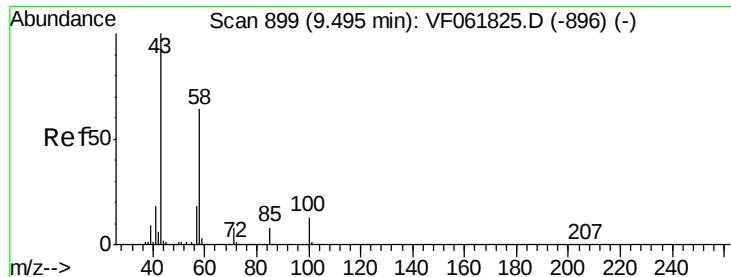
Tgt Ion: 63 Resp: 41761

Ion Ratio Lower Upper

63 100

106 28.7 24.3 36.5

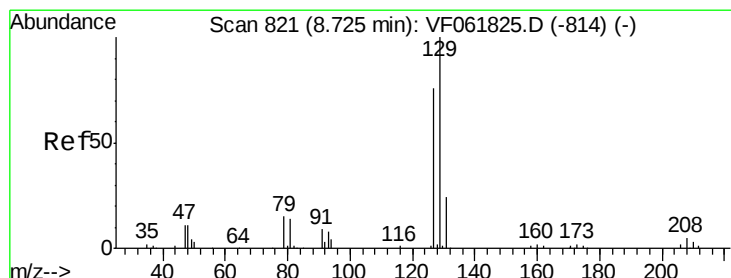
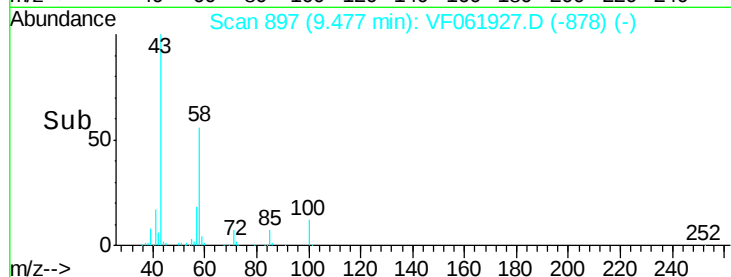
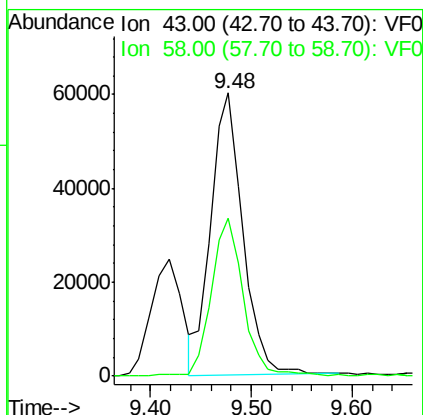
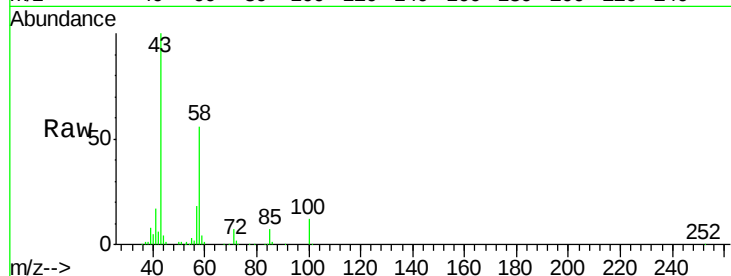




#59
2-Hexanone
Concen: 121.204 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

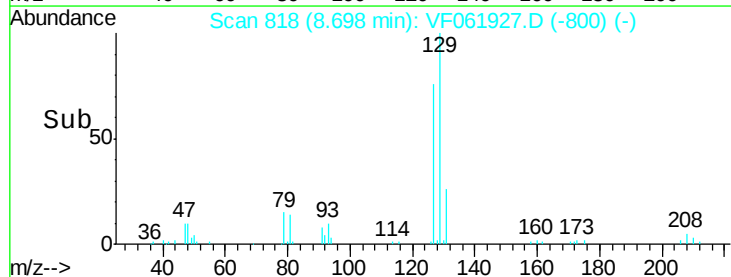
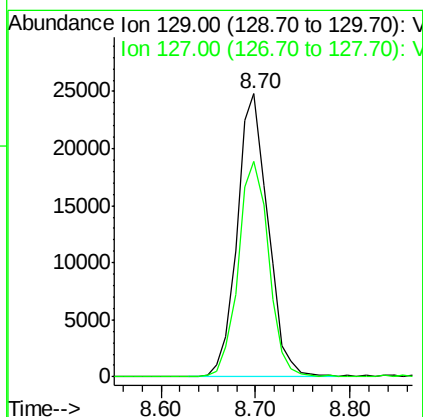
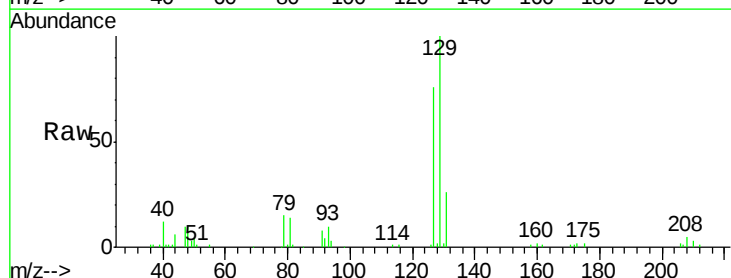
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

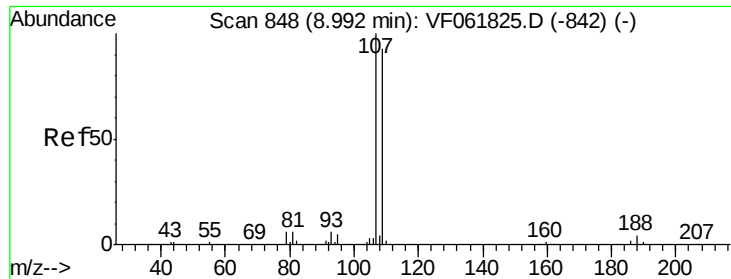
Tot Ion: 43 Resp: 132428
Ion Ratio Lower Upper
43 100
58 55.7 28.8 86.4



#60
Dibromochloromethane
Concen: 20.863 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.03 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

Tgt Ion:129 Resp: 56110
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.306 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

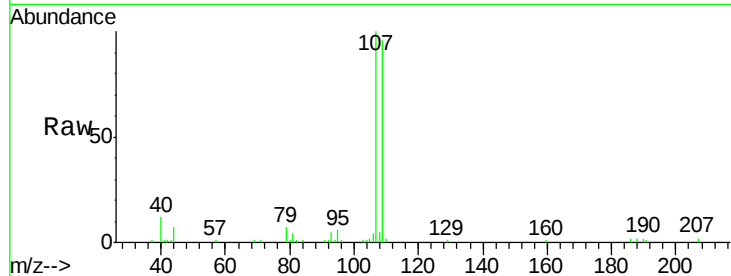
VF0313SBS01

Tot Ion:107 Resp: 42137

Ion Ratio Lower Upper

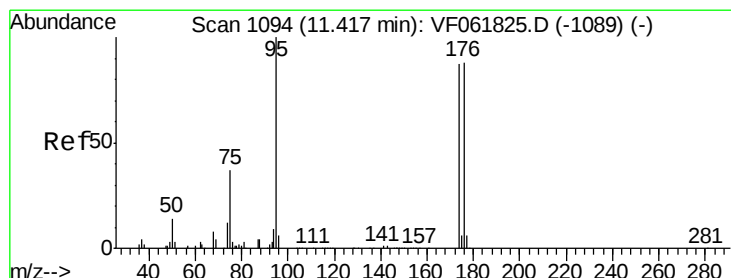
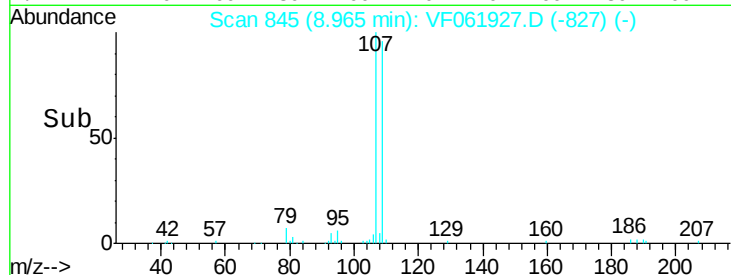
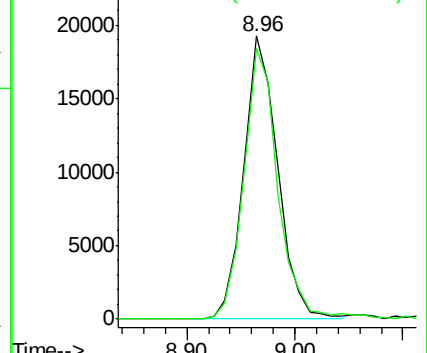
107 100

109 95.7 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: 51.233 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

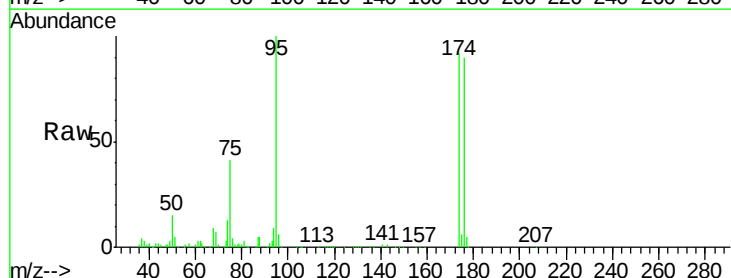
Tgt Ion: 95 Resp: 186654

Ion Ratio Lower Upper

95 100

174 92.2 0.0 174.0

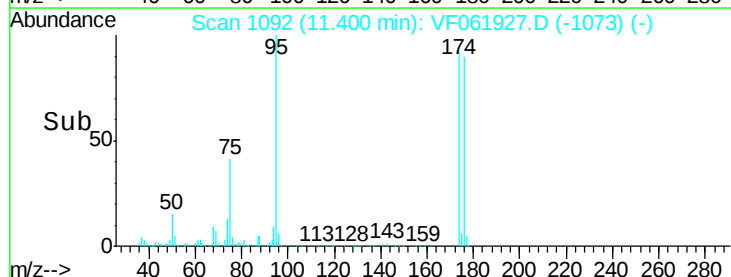
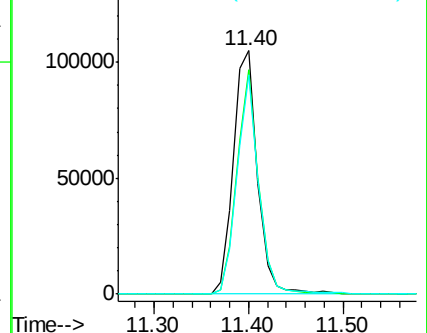
176 90.2 0.0 175.2

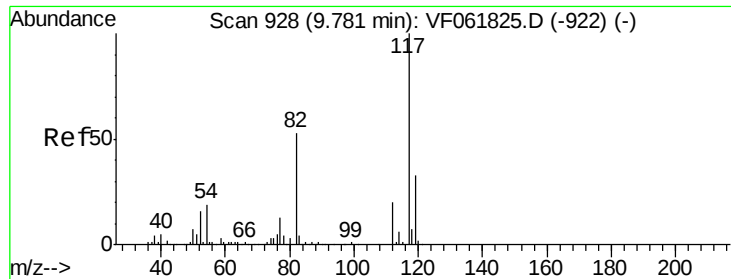


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

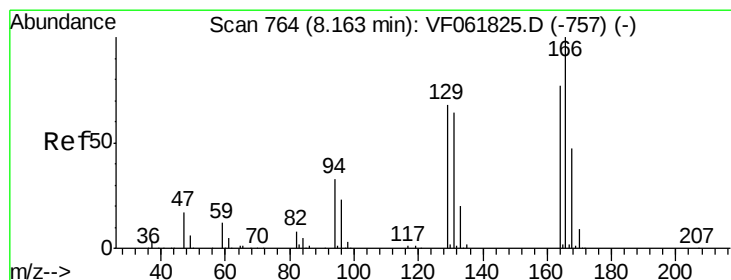
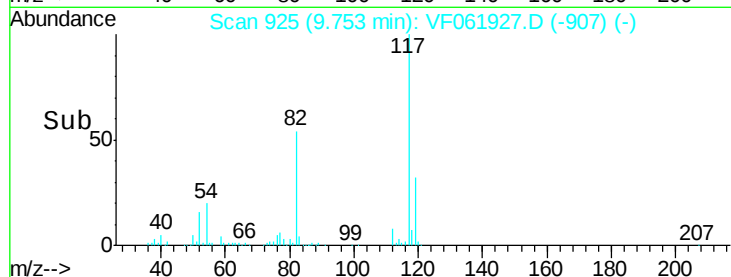
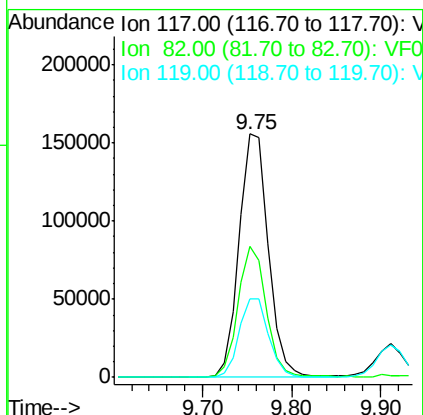
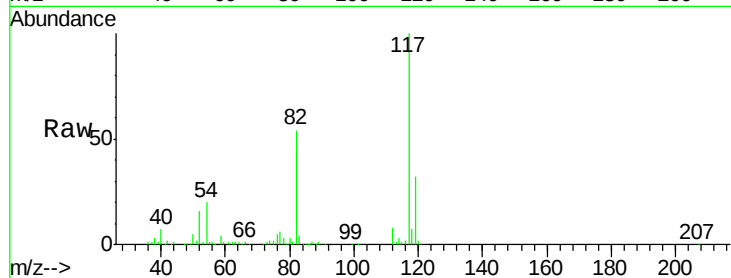




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

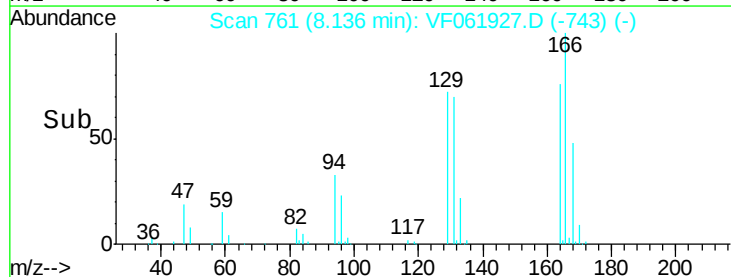
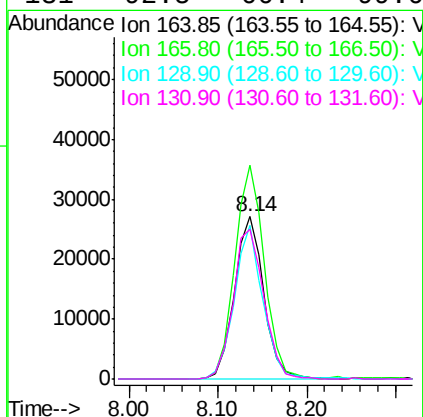
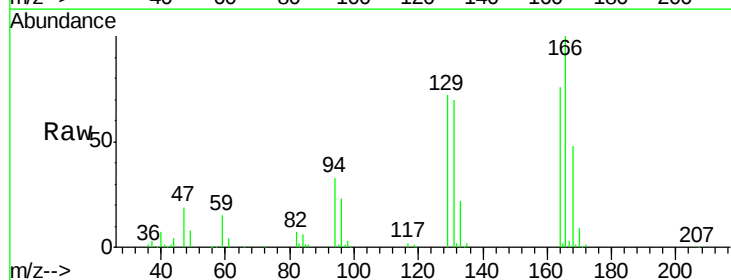
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

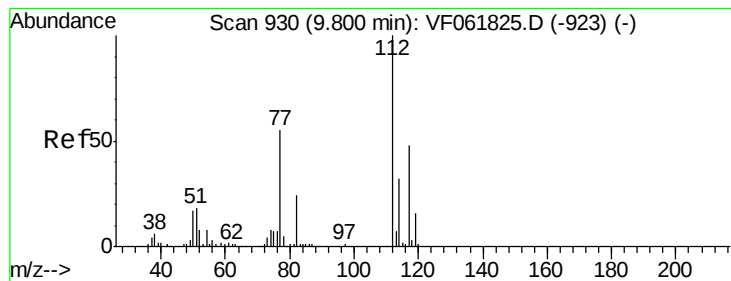
Tot Ion:117 Resp: 357786
Ion Ratio Lower Upper
117 100
82 53.6 42.6 63.8
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 22.585 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.03 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

Tgt Ion:164 Resp: 62090
Ion Ratio Lower Upper
164 100
166 131.8 103.4 155.0
129 94.6 69.9 104.9
131 92.5 66.4 99.6





#65

Chlorobenzene

Concen: 22.364 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

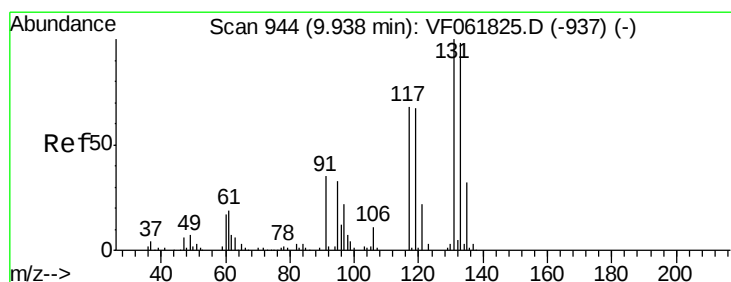
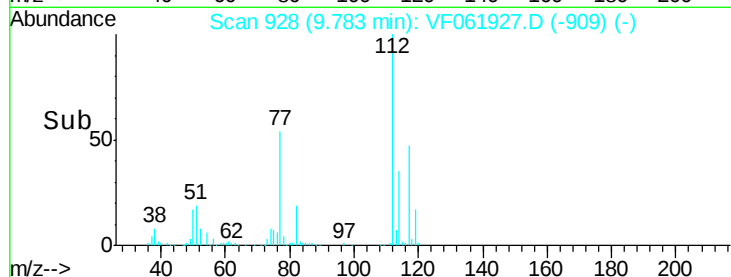
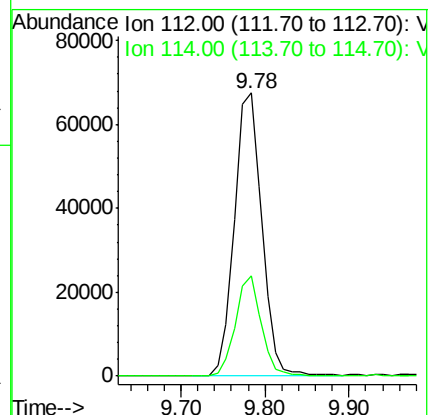
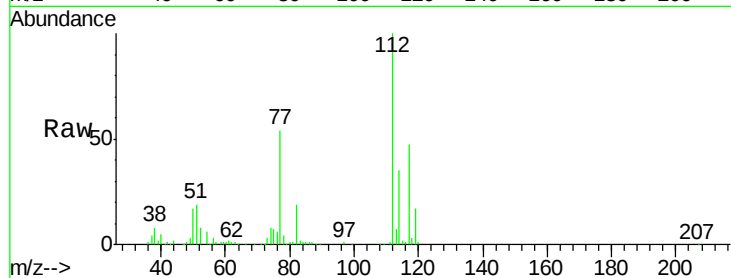
VF0313SBS01

Tot Ion:112 Resp: 153729

Ion Ratio Lower Upper

112 100

114 35.3 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 24.536 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

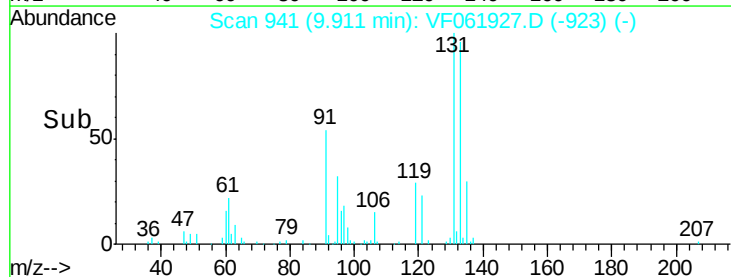
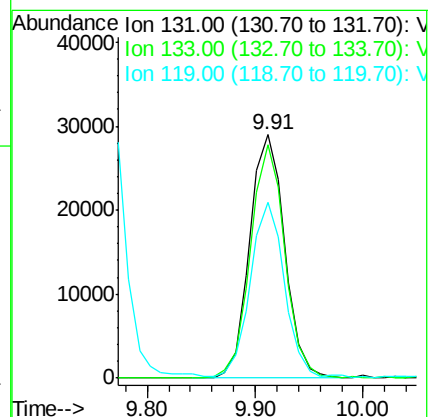
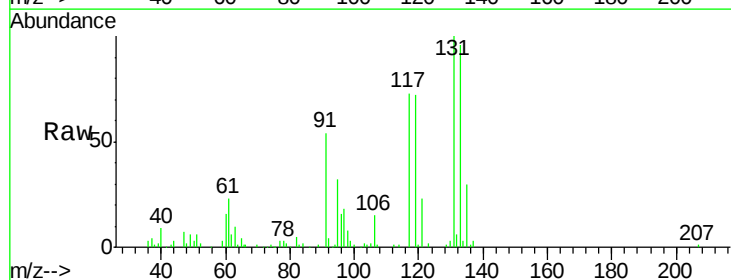
Tgt Ion:131 Resp: 65346

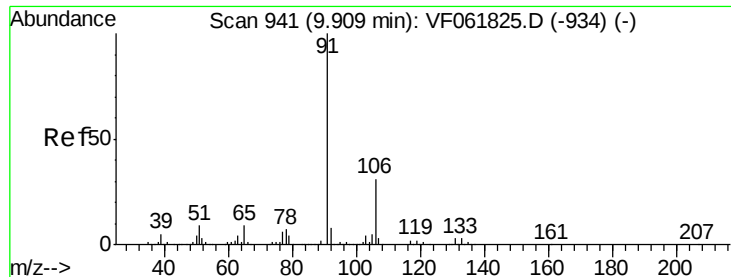
Ion Ratio Lower Upper

131 100

133 95.8 48.9 146.7

119 72.2 33.6 100.8





#67

Ethyl Benzene

Concen: 23.482 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.03 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

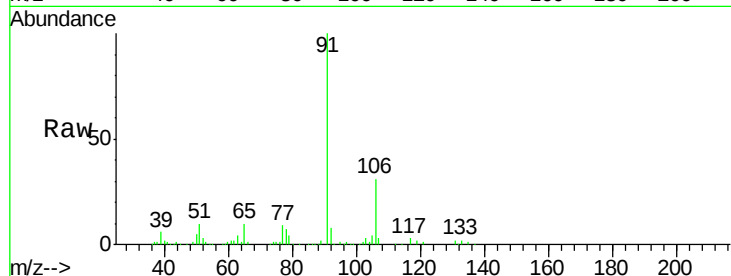
VF0313SBS01

Tot Ion: 91 Resp: 267536

Ion Ratio Lower Upper

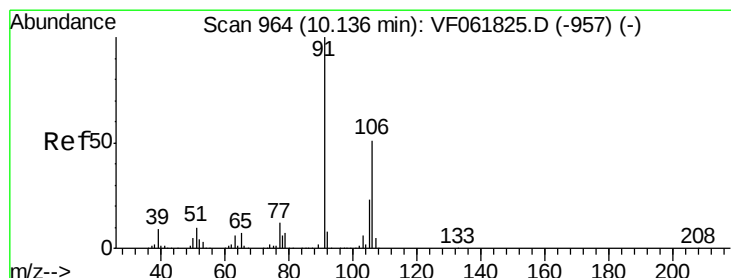
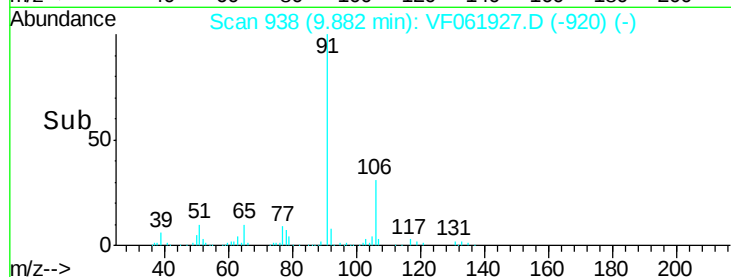
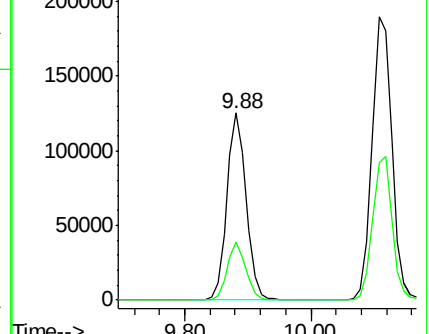
91 100

106 31.0 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 47.719 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF061927.D

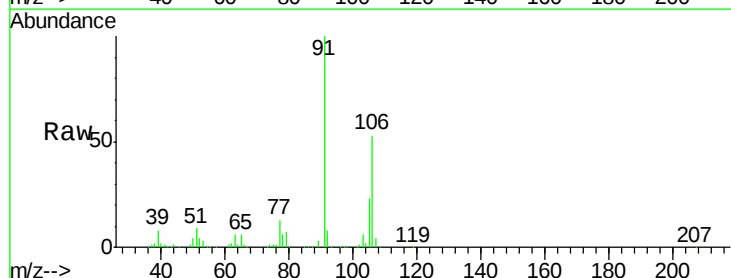
Acq: 13 Mar 2019 15:00

Tgt Ion: 106 Resp: 208273

Ion Ratio Lower Upper

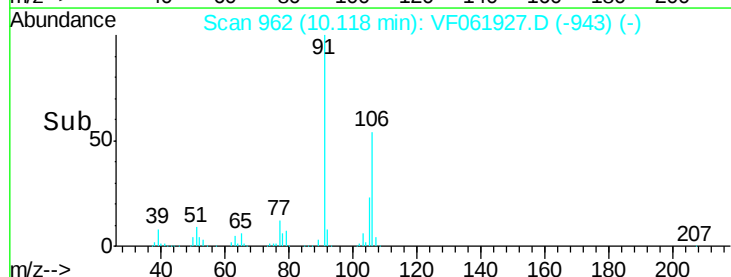
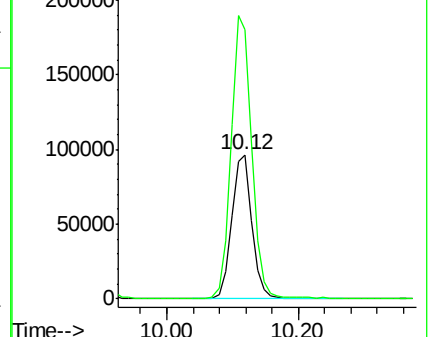
106 100

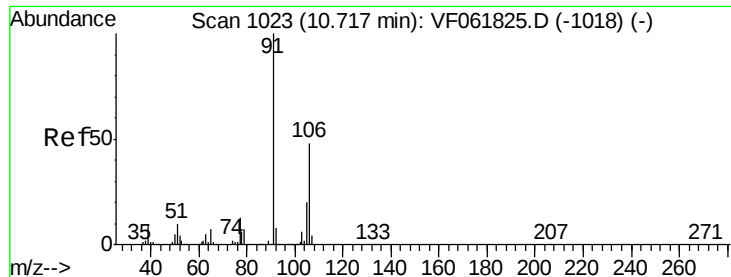
91 187.1 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

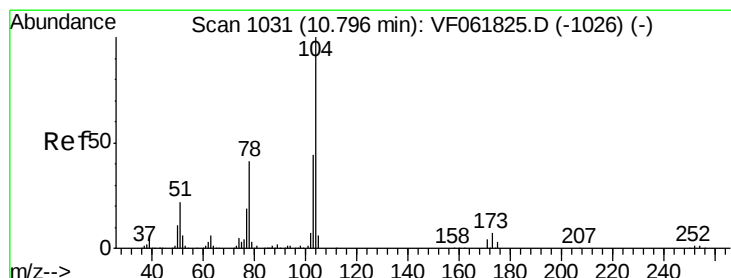
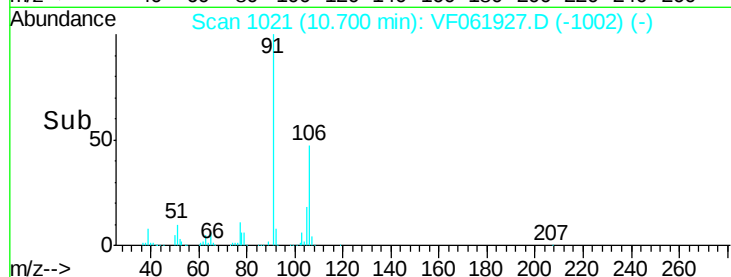
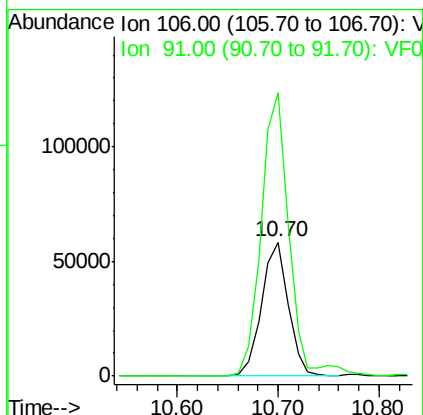
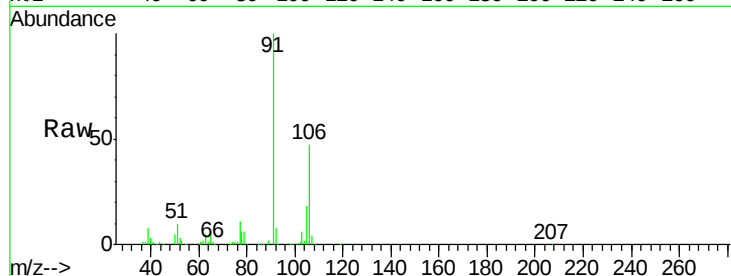




#69
o-Xylene
Concen: 22.911 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

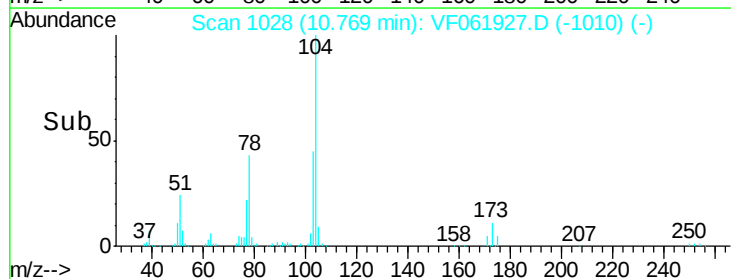
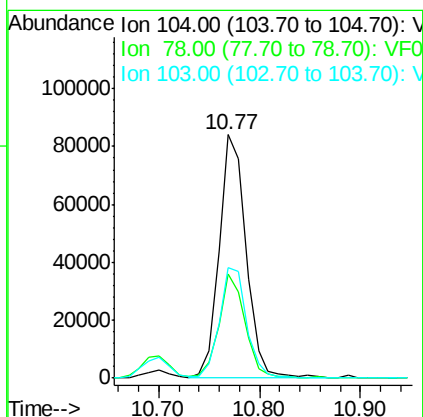
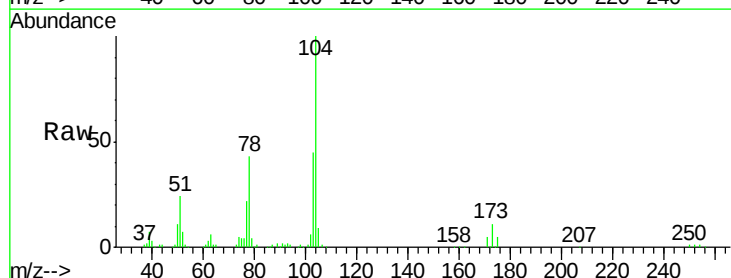
Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

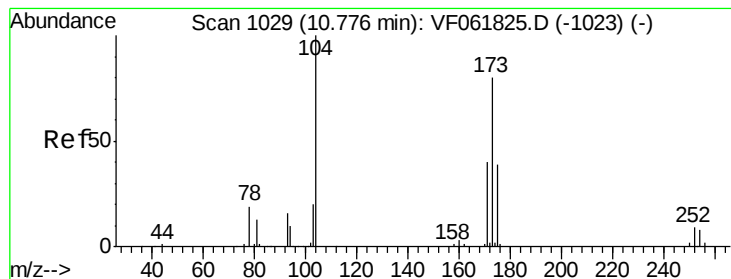
Tot Ion:106 Resp: 107675
Ion Ratio Lower Upper
106 100
91 211.4 103.5 310.3



#70
Styrene
Concen: 23.604 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.03 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

Tgt Ion:104 Resp: 156119
Ion Ratio Lower Upper
104 100
78 42.5 33.3 49.9
103 45.3 35.4 53.0





#71

Bromoform

Concen: 21.838 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

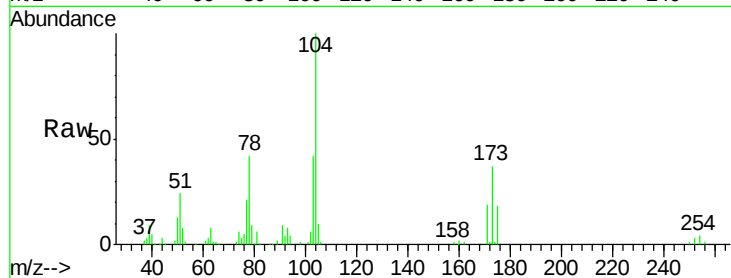
Tot Ion:173 Resp: 30738

Ion Ratio Lower Upper

173 100

175 48.1 24.5 73.5

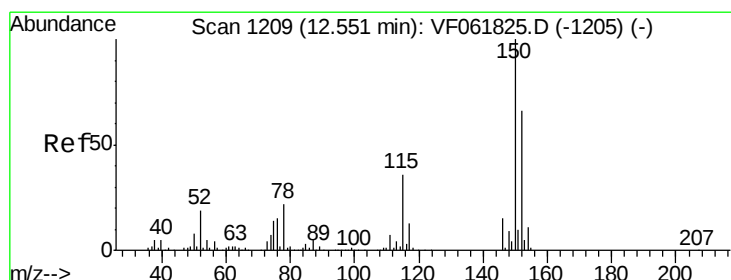
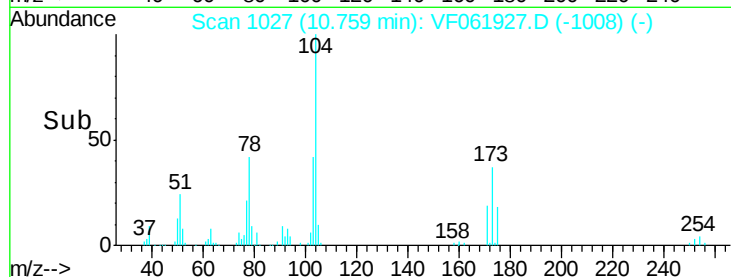
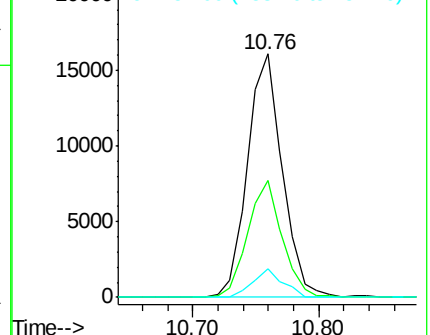
254 11.9 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

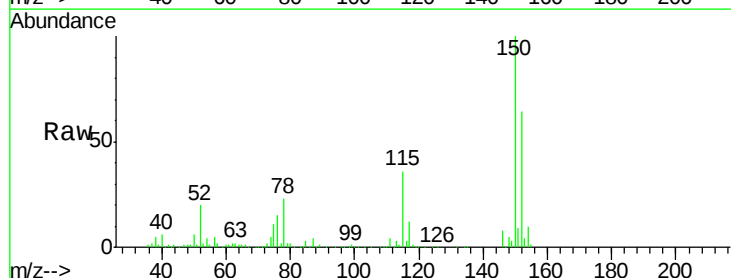
Tgt Ion:152 Resp: 197635

Ion Ratio Lower Upper

152 100

115 56.3 27.7 83.1

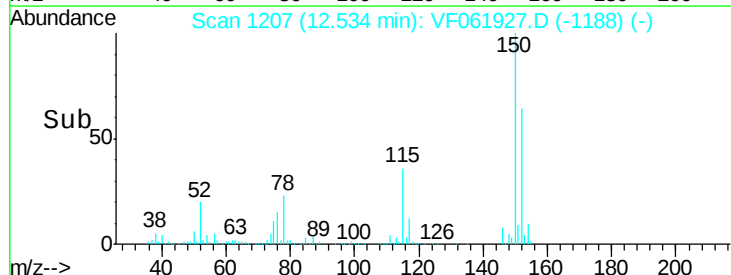
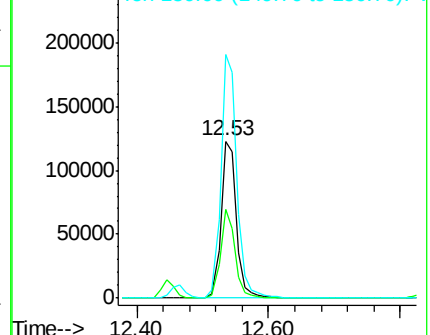
150 155.5 0.0 304.2

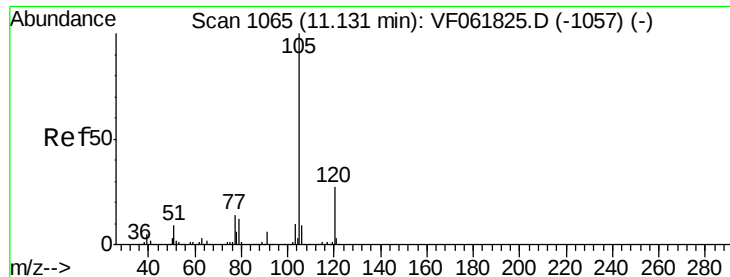


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 24.014 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

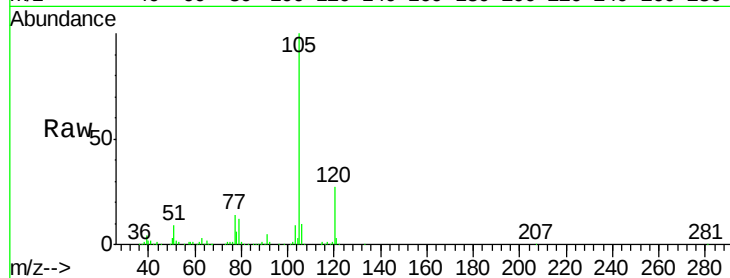
VF0313SBS01

Tot Ion:105 Resp: 326740

Ion Ratio Lower Upper

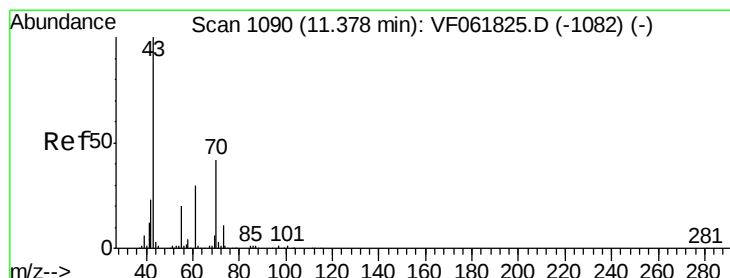
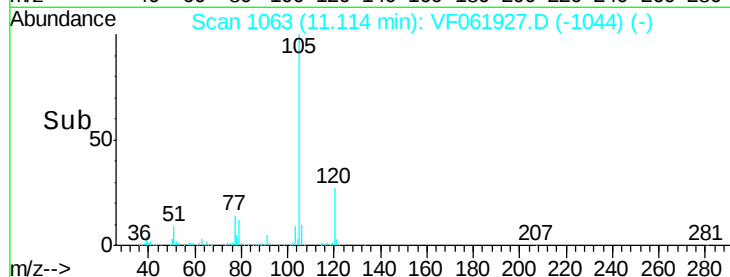
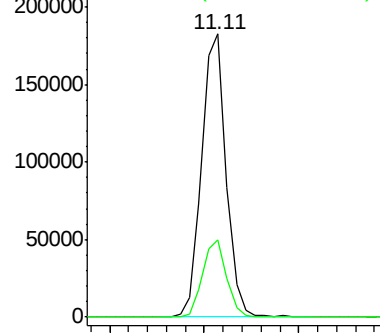
105 100

120 27.5 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: 24.495 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Tgt Ion: 43 Resp: 76726

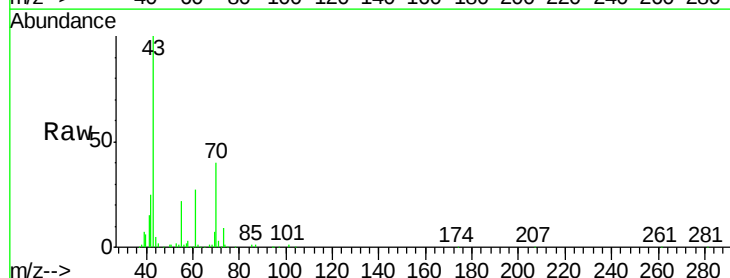
Ion Ratio Lower Upper

43 100

70 39.9 33.4 50.0

55 22.1 16.3 24.5

61 26.9 24.0 36.0

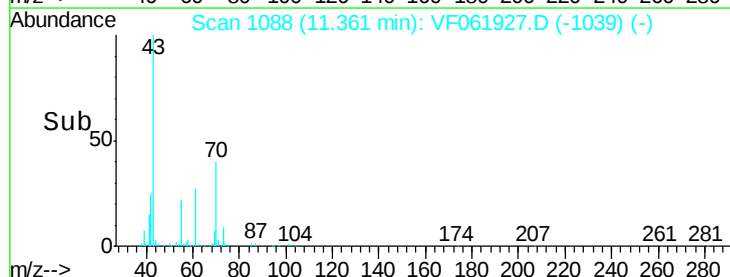
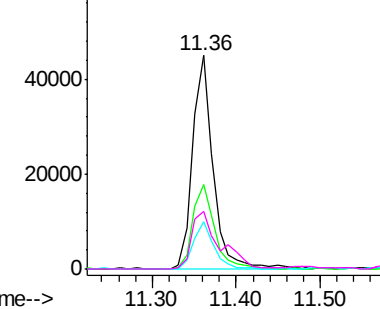


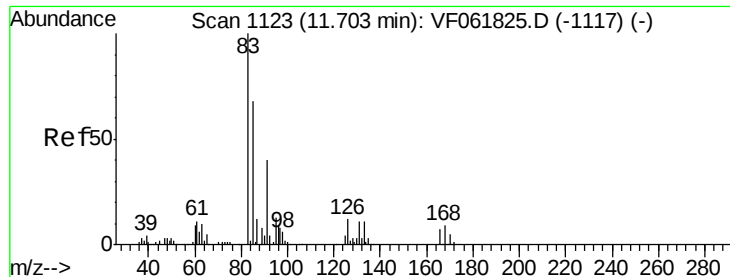
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 22.981 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

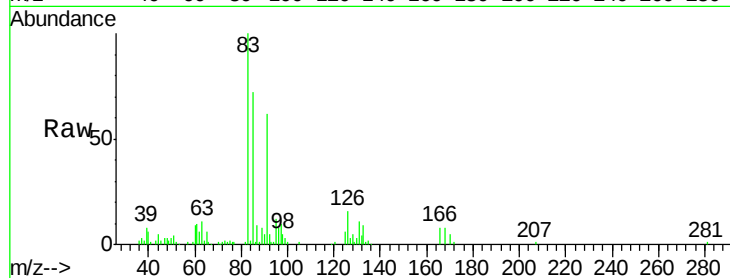
Tot Ion: 83 Resp: 51968

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

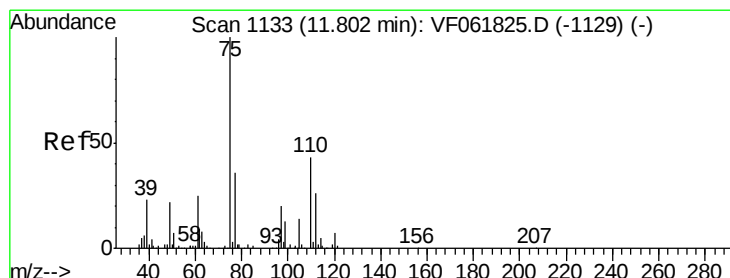
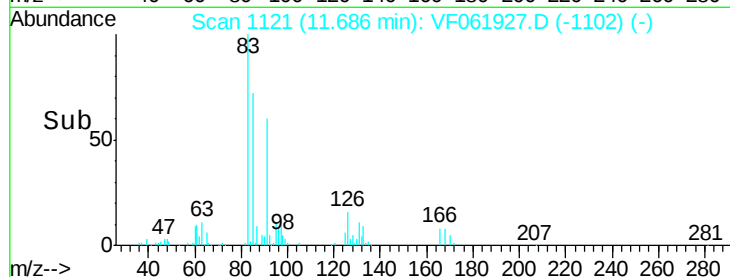
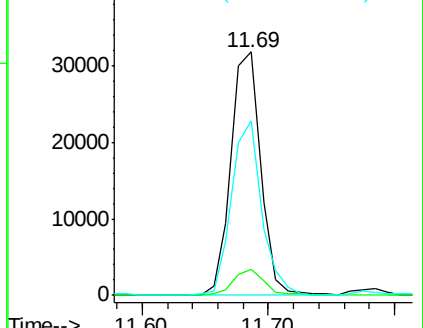
85 71.5 34.2 102.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 22.884 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061927.D

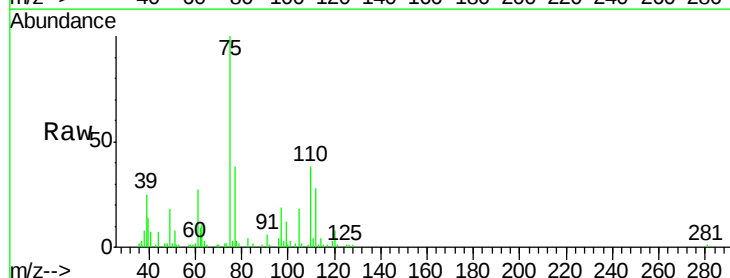
Acq: 13 Mar 2019 15:00

Tgt Ion: 75 Resp: 35319

Ion Ratio Lower Upper

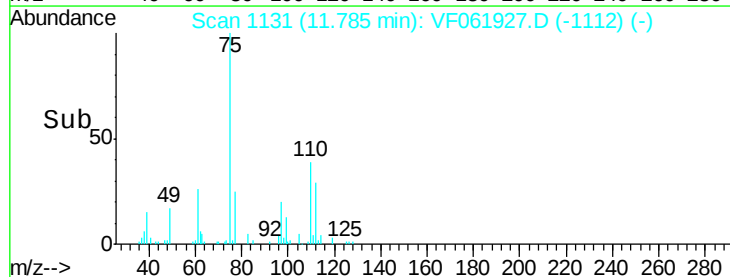
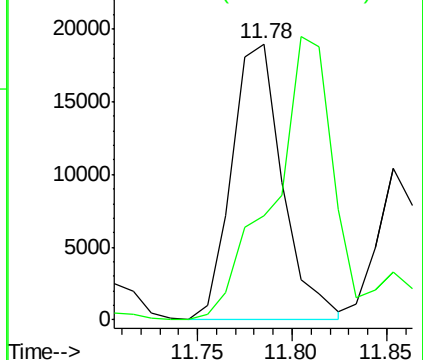
75 100

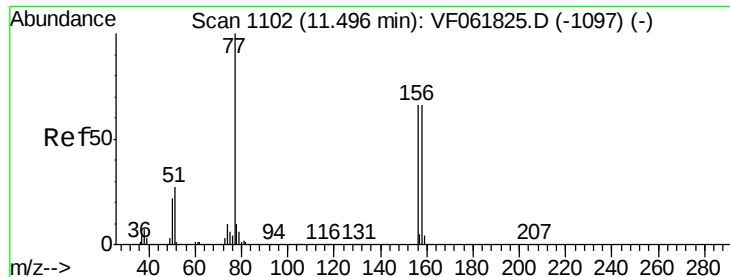
77 37.7 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.248 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

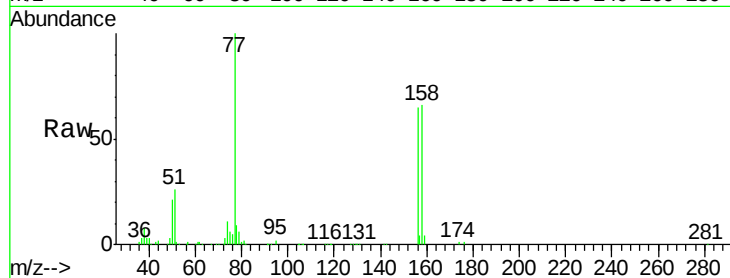
Tot Ion:156 Resp: 72853

Ion Ratio Lower Upper

156 100

77 154.2 75.7 227.1

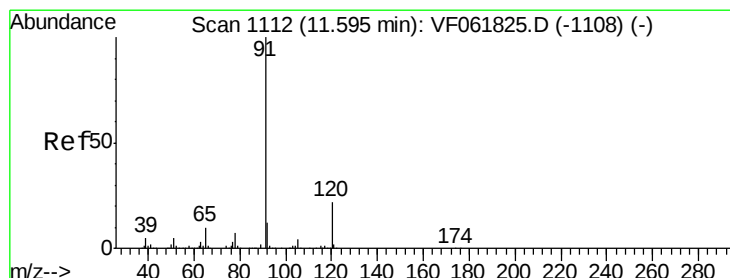
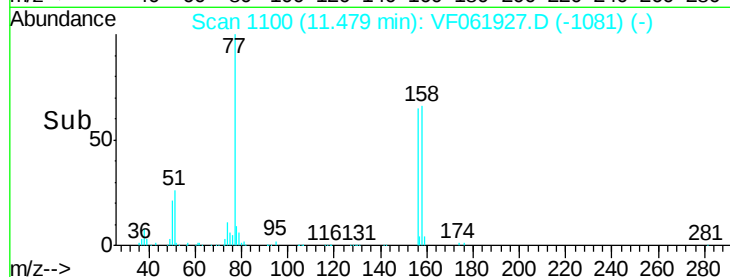
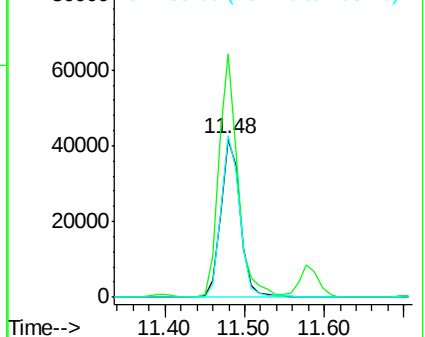
158 102.4 50.0 150.1



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: 23.733 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF061927.D

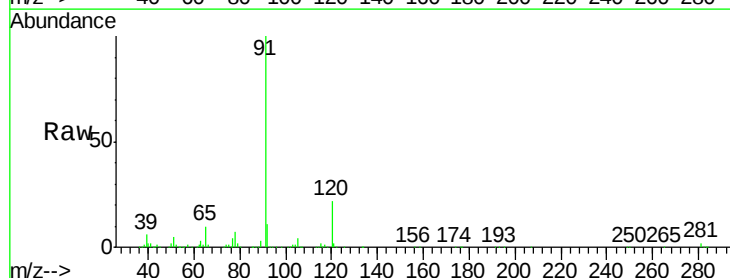
Acq: 13 Mar 2019 15:00

Tgt Ion: 91 Resp: 364663

Ion Ratio Lower Upper

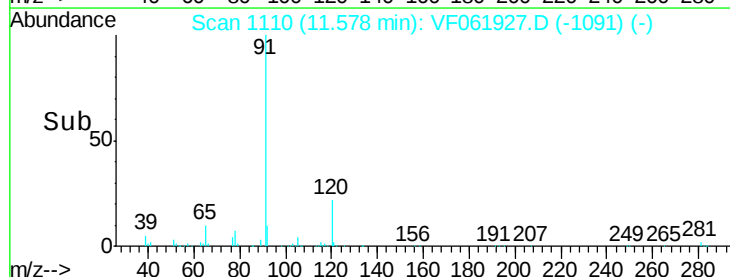
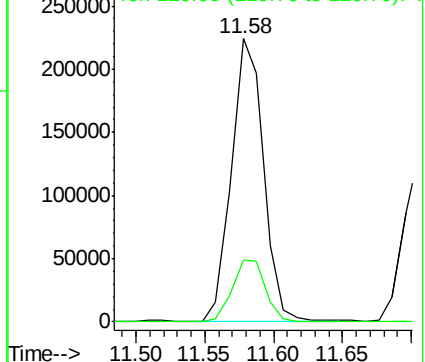
91 100

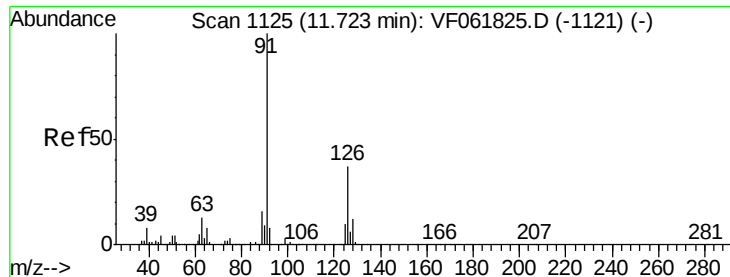
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.345 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

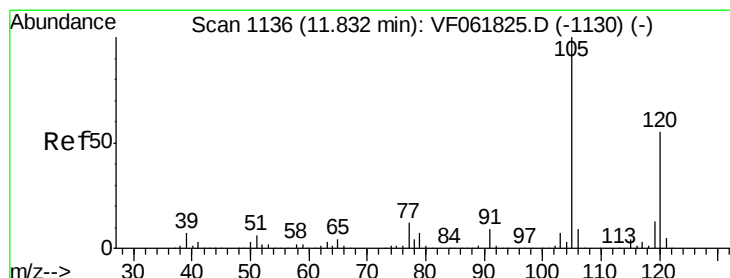
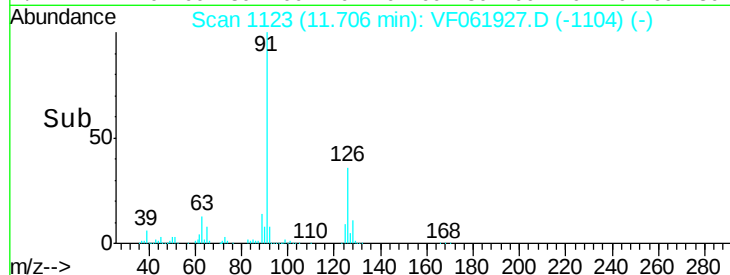
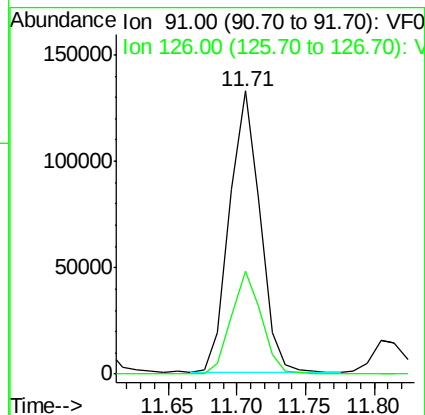
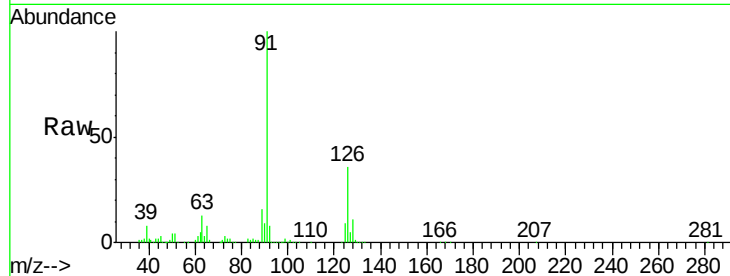
VF0313SBS01

Tot Ion: 91 Resp: 205079

Ion Ratio Lower Upper

91 100

126 36.4 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 24.190 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061927.D

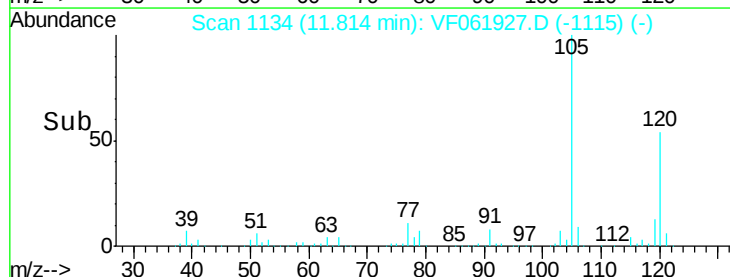
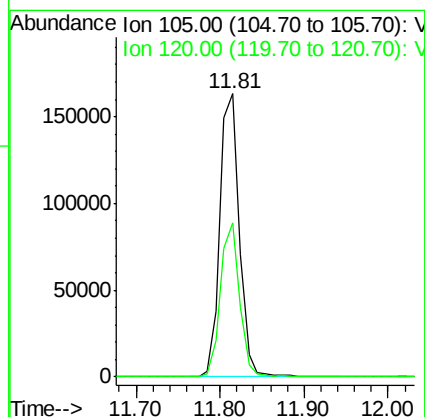
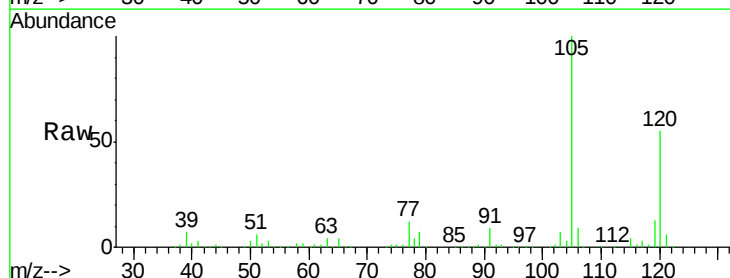
Acq: 13 Mar 2019 15:00

Tgt Ion:105 Resp: 264251

Ion Ratio Lower Upper

105 100

120 54.5 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 30.664 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

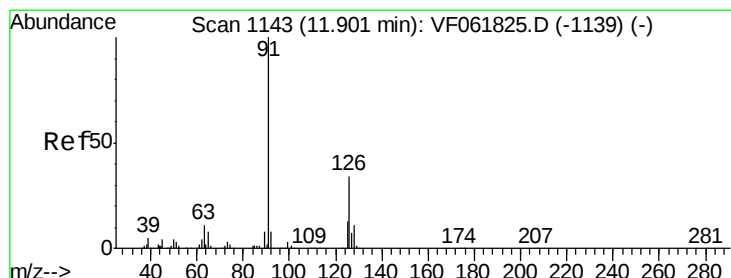
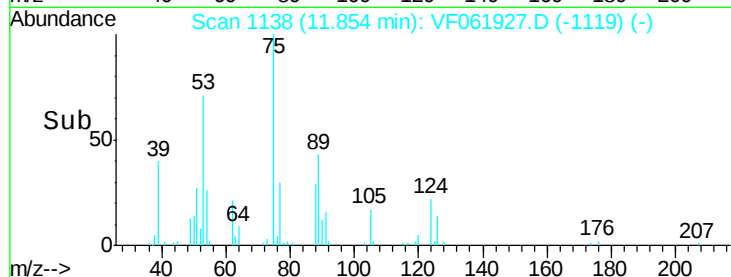
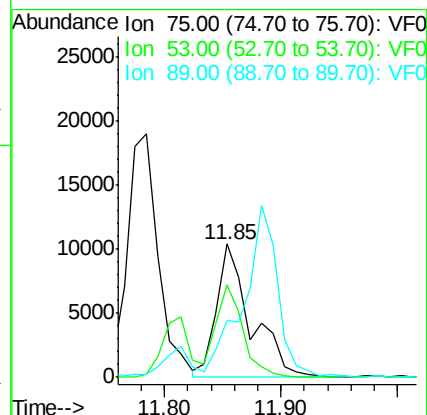
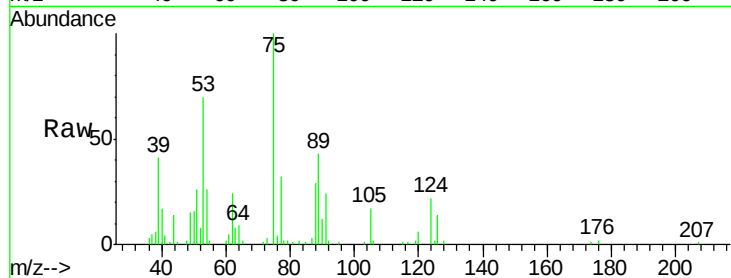
Tot Ion: 75 Resp: 21641

Ion Ratio Lower Upper

75 100

53 69.7 58.6 88.0

89 42.9 41.4 62.0



#82

4-Chlorotoluene

Concen: 22.252 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF061927.D

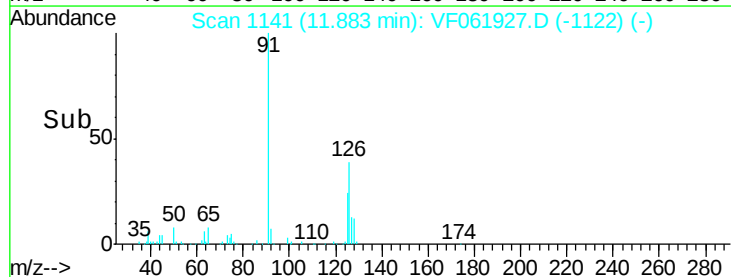
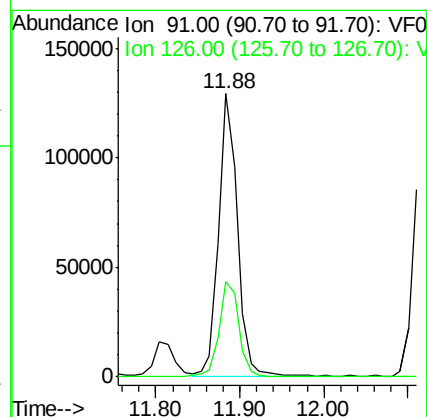
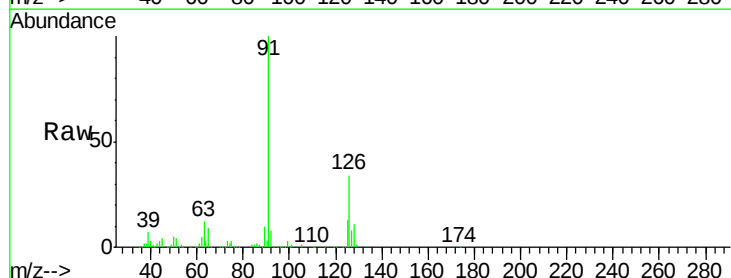
Acq: 13 Mar 2019 15:00

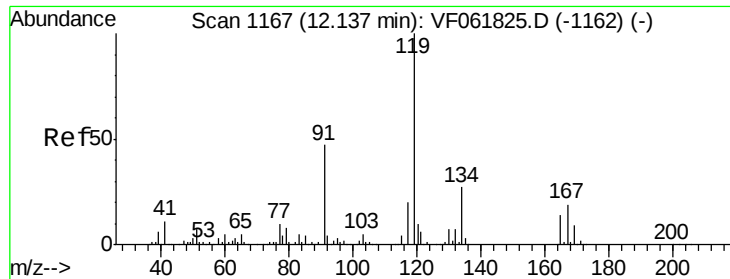
Tgt Ion: 91 Resp: 199939

Ion Ratio Lower Upper

91 100

126 33.7 17.0 50.9

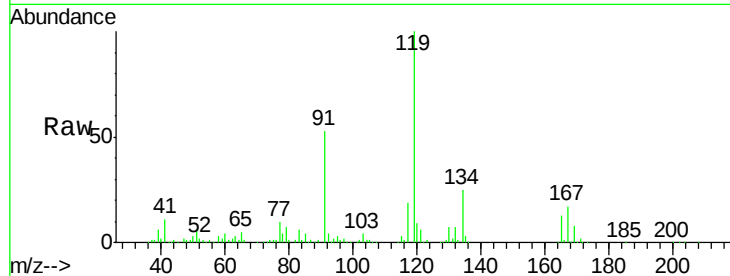




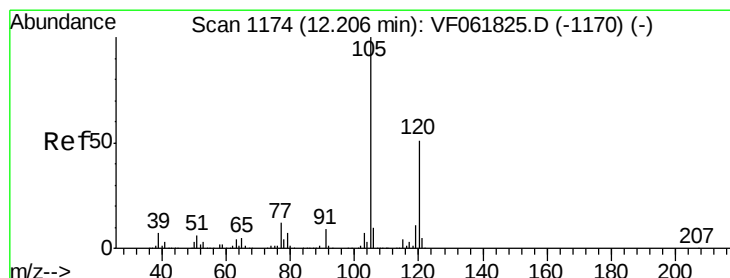
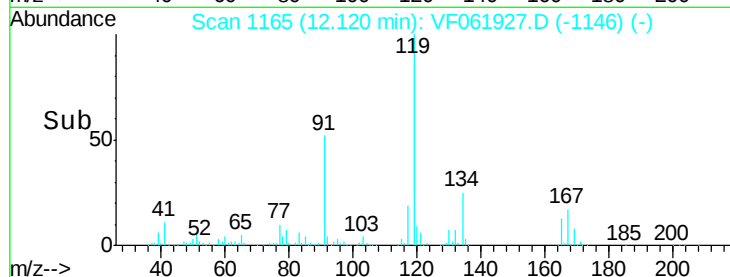
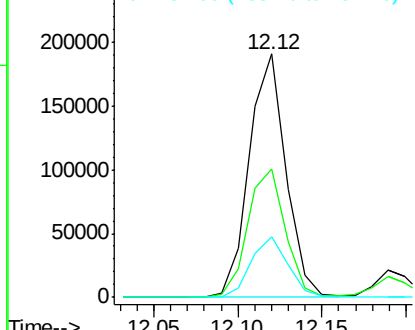
#83
tert-Butylbenzene
Concen: 24.948 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VF0313SBS01

Tot Ion:119 Resp: 289384
Ion Ratio Lower Upper
119 100
91 52.8 23.5 70.5
134 24.8 13.3 39.8

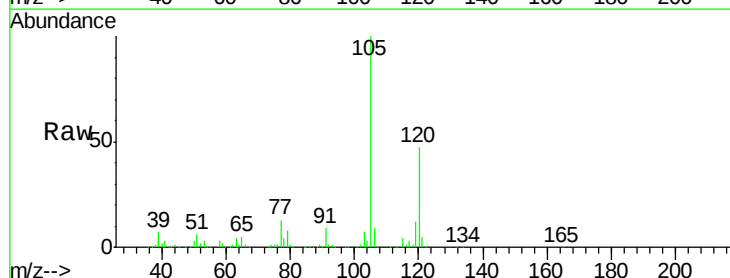


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

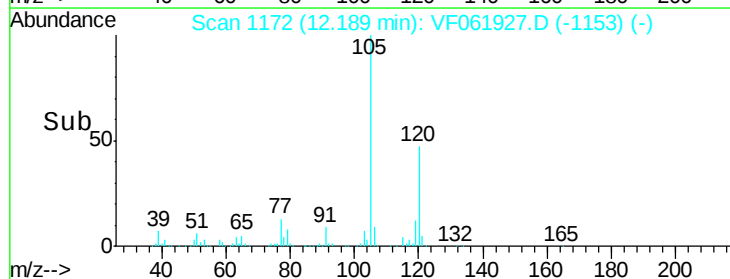
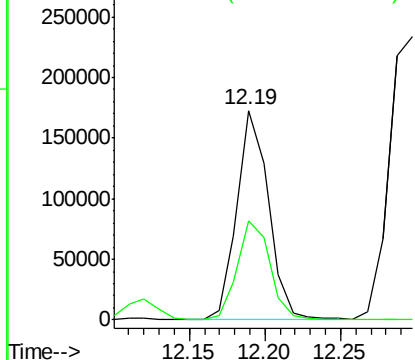


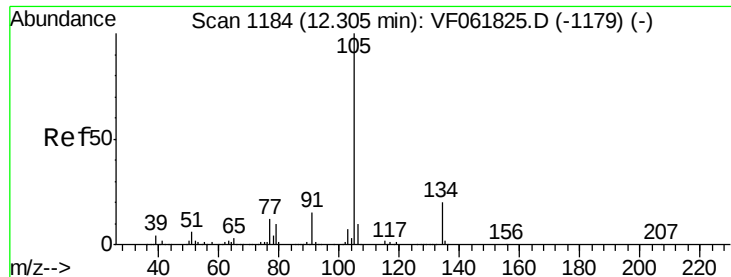
#84
1,2,4-Trimethylbenzene
Concen: 23.711 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF061927.D
Acq: 13 Mar 2019 15:00

Tgt Ion:105 Resp: 253923
Ion Ratio Lower Upper
105 100
120 47.3 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 24.567 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

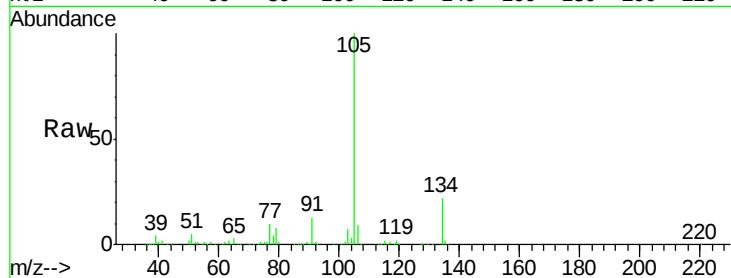
VF0313SBS01

Tot Ion:105 Resp: 370840

Ion Ratio Lower Upper

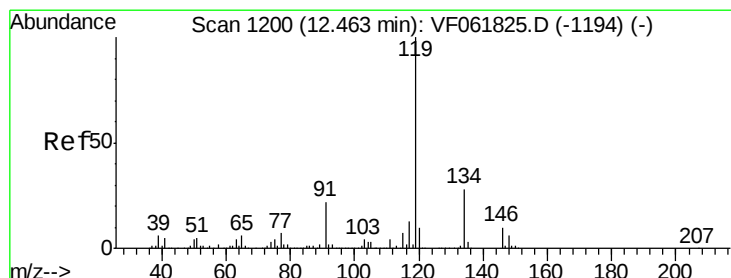
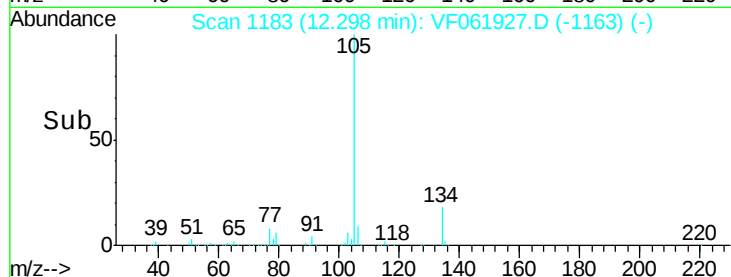
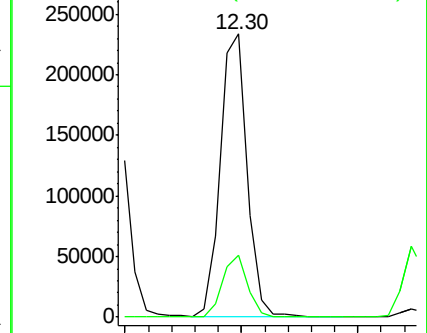
105 100

134 21.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.909 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

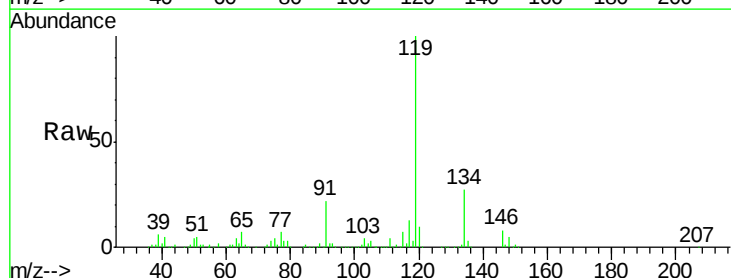
Tgt Ion:119 Resp: 306772

Ion Ratio Lower Upper

119 100

134 26.6 14.0 42.0

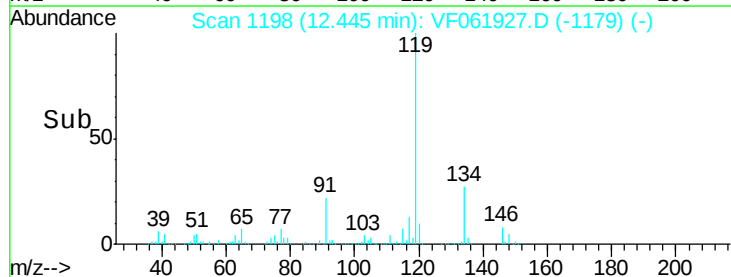
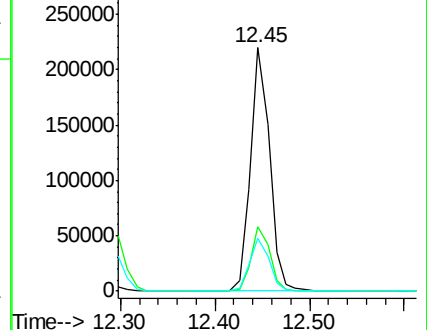
91 21.8 11.1 33.3

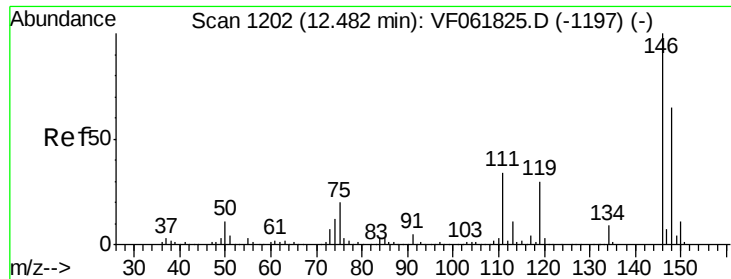


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

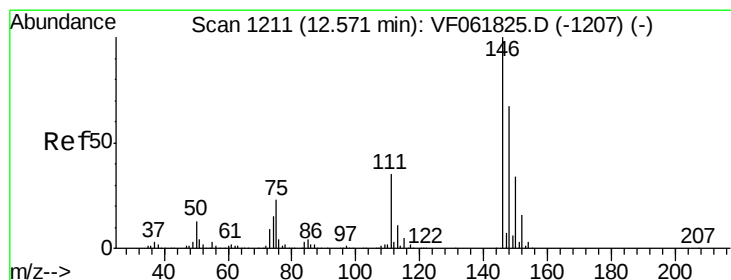
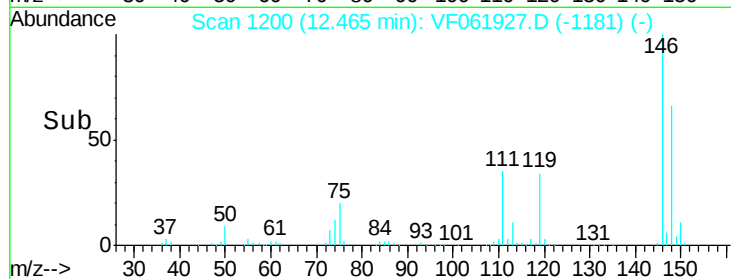
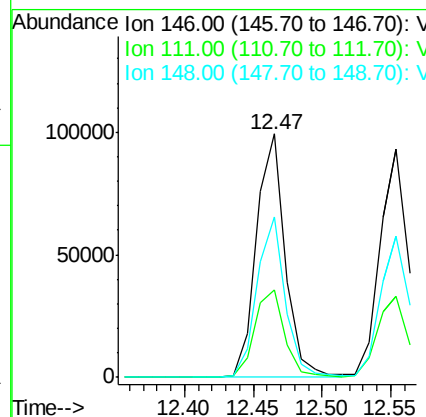
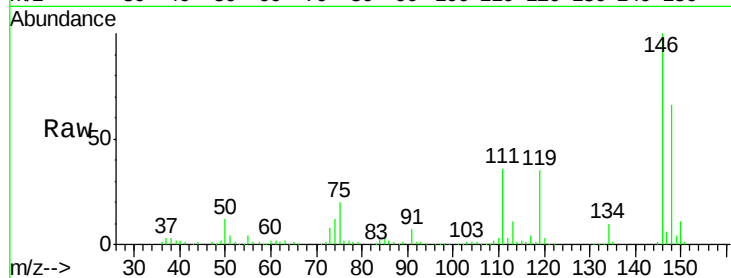




#87
 1,3-Dichlorobenzene
 Concen: 23.507 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061927.D
 Acq: 13 Mar 2019 15:00

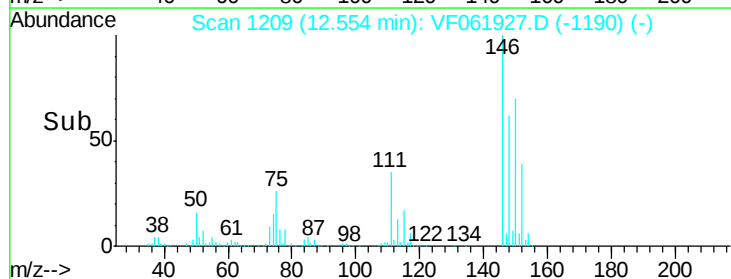
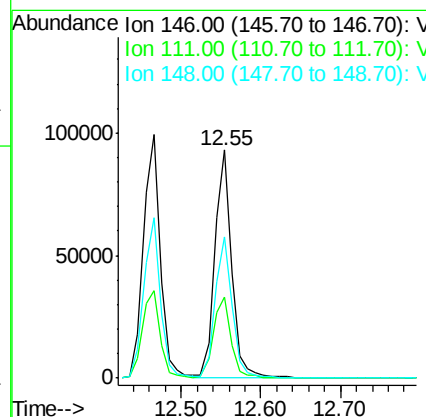
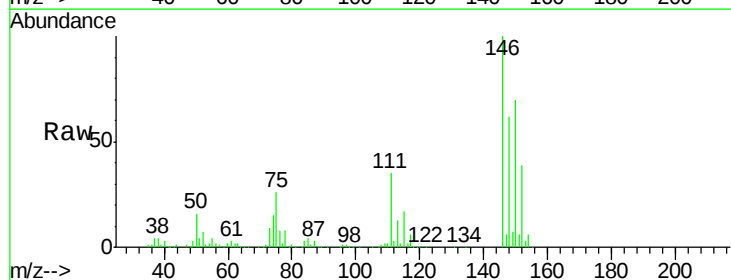
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

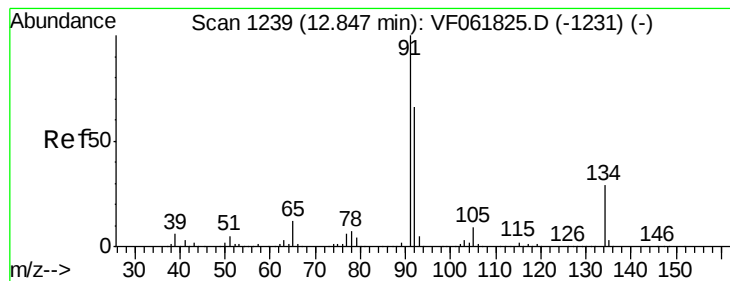
Tot Ion:146 Resp: 146161
 Ion Ratio Lower Upper
 146 100
 111 35.7 17.0 51.0
 148 65.9 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 23.304 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF061927.D
 Acq: 13 Mar 2019 15:00

Tgt Ion:146 Resp: 139774
 Ion Ratio Lower Upper
 146 100
 111 35.4 17.6 52.9
 148 62.2 33.5 100.4





#89

n-Butylbenzene

Concen: 24.236 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

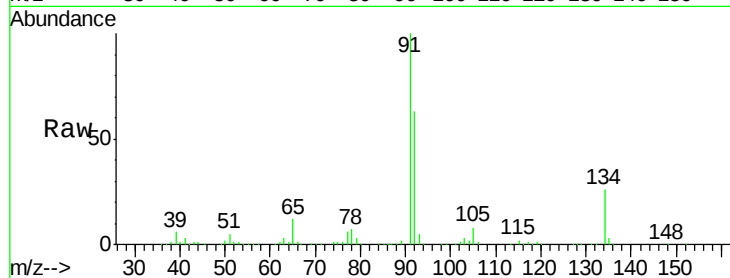
Tot Ion: 91 Resp: 297189

Ion Ratio Lower Upper

91 100

92 63.5 32.9 98.6

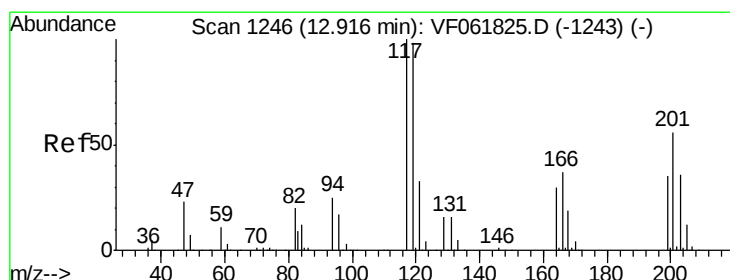
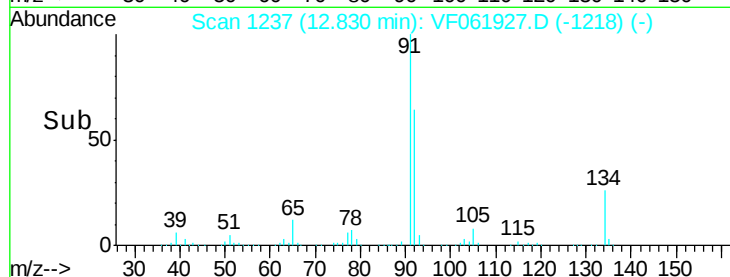
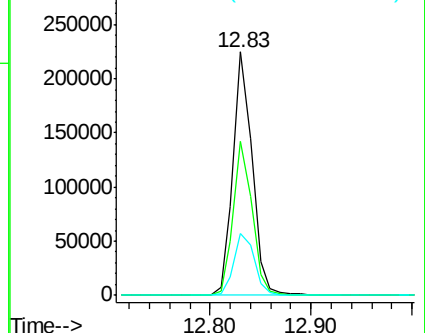
134 25.7 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 23.566 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF061927.D

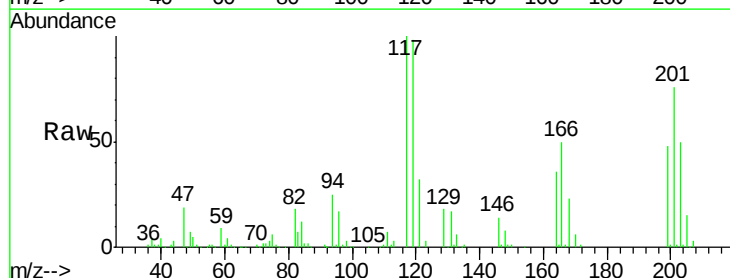
Acq: 13 Mar 2019 15:00

Tgt Ion: 117 Resp: 72781

Ion Ratio Lower Upper

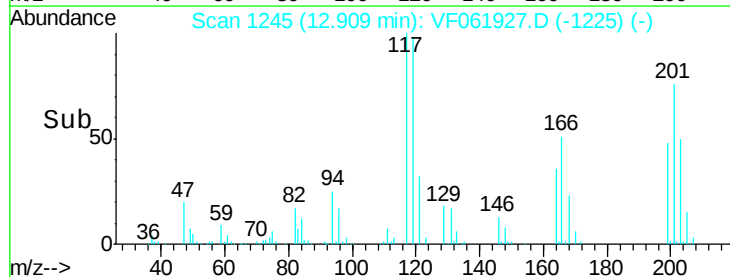
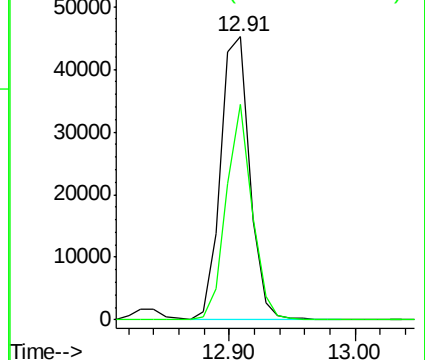
117 100

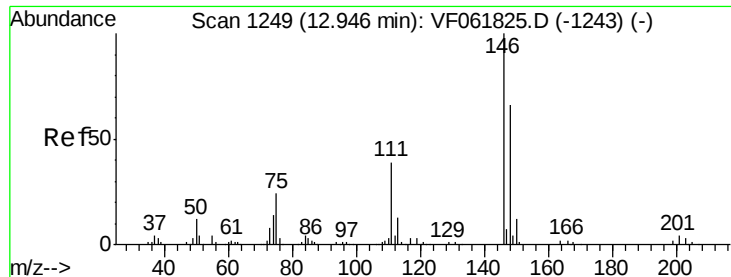
201 75.9 27.8 83.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.773 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

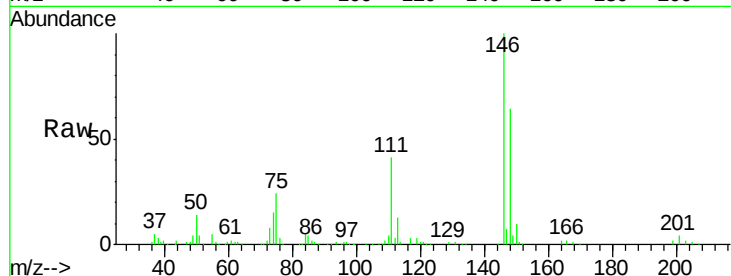
Tot Ion:146 Resp: 134154

Ion Ratio Lower Upper

146 100

111 41.1 19.4 58.4

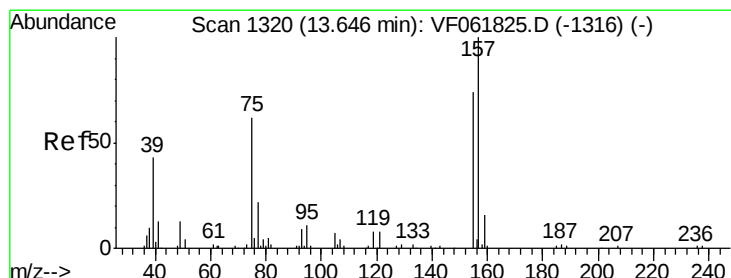
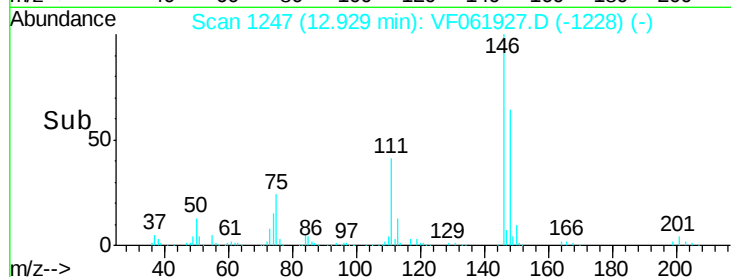
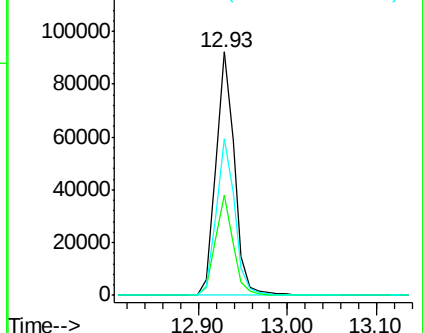
148 64.3 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.622 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

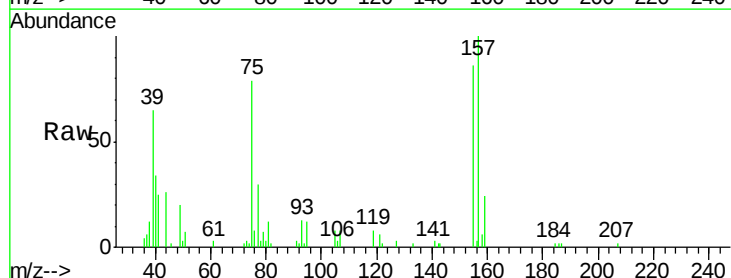
Tgt Ion: 75 Resp: 7158

Ion Ratio Lower Upper

75 100

155 108.7 59.8 179.4

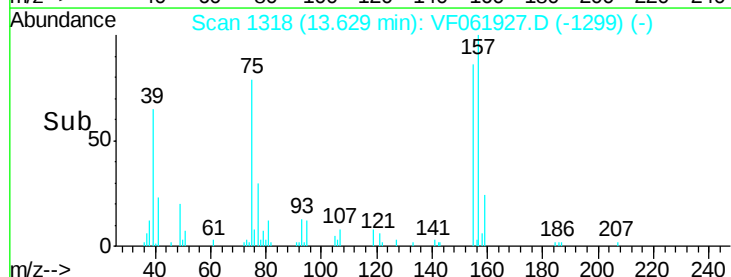
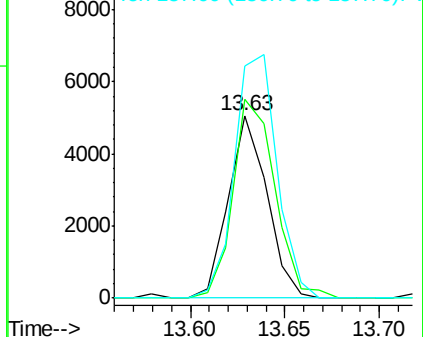
157 126.8 81.2 243.4

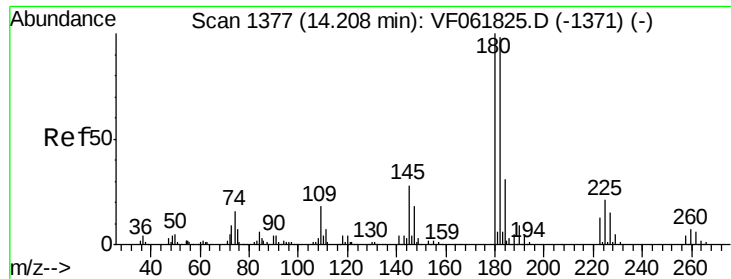


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

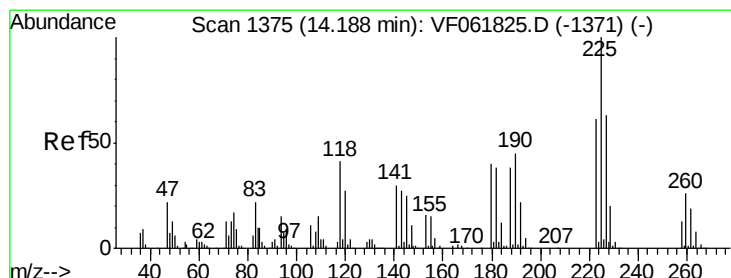
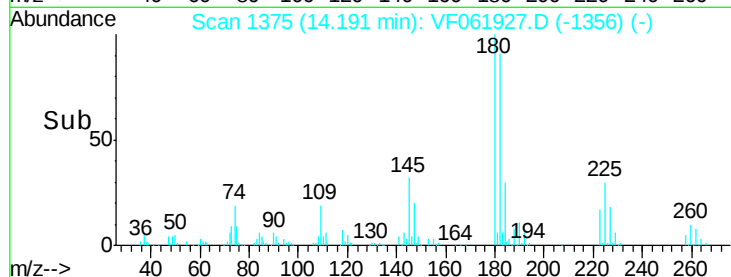
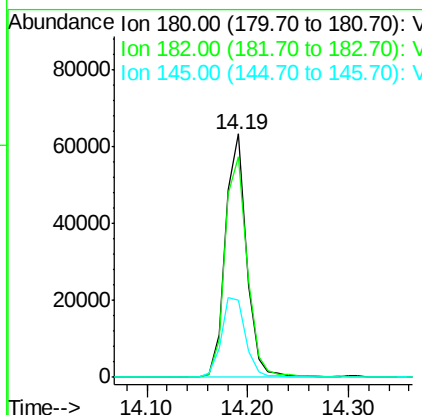
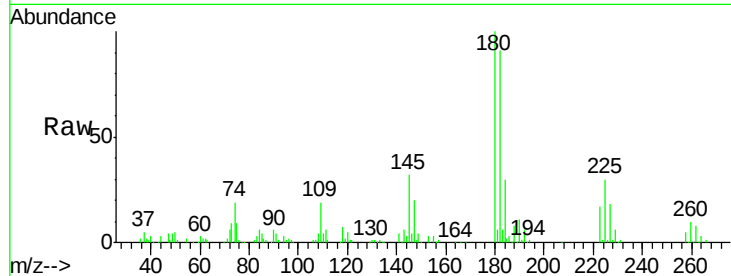




#93
 1,2,4-Trichlorobenzene
 Concen: 22.493 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061927.D
 Acq: 13 Mar 2019 15:00

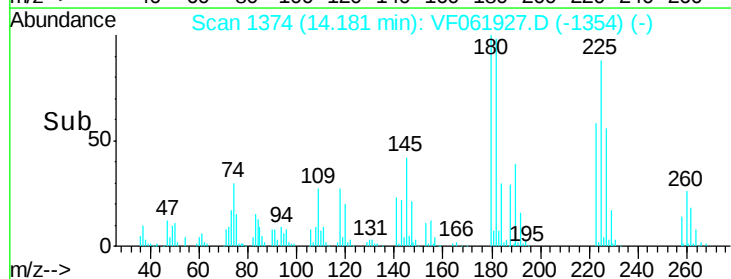
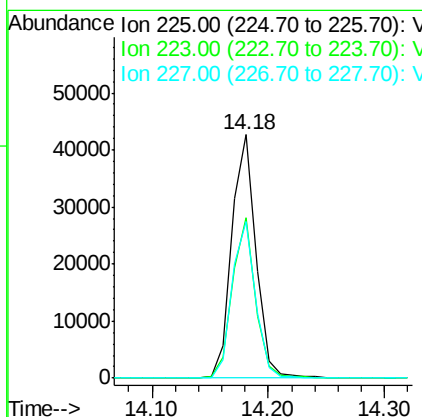
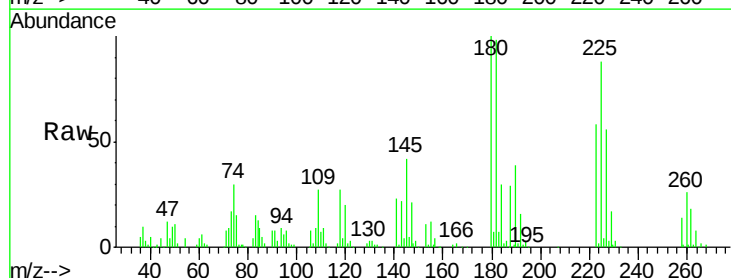
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

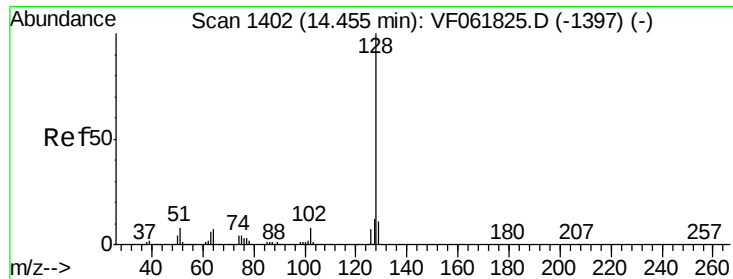
Tot Ion	Ratio	Lower	Upper
180	100		
182	90.8	49.0	147.2
145	31.8	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 21.540 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061927.D
 Acq: 13 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	30.3	90.9
227	64.3	31.3	93.8





#95

Naphthalene

Concen: 21.357 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0313SBS01

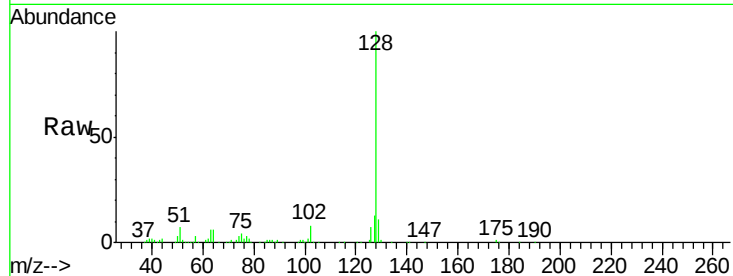
Tot Ion:128 Resp: 157095

Ion Ratio Lower Upper

128 100

127 12.6 9.3 13.9

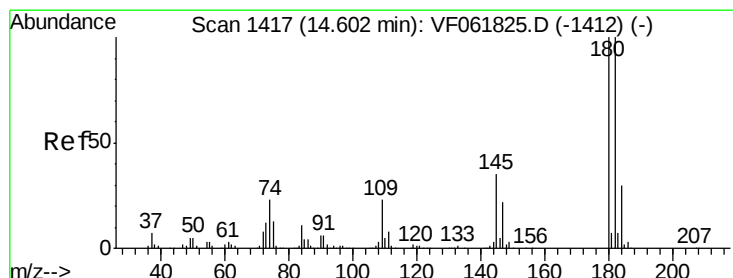
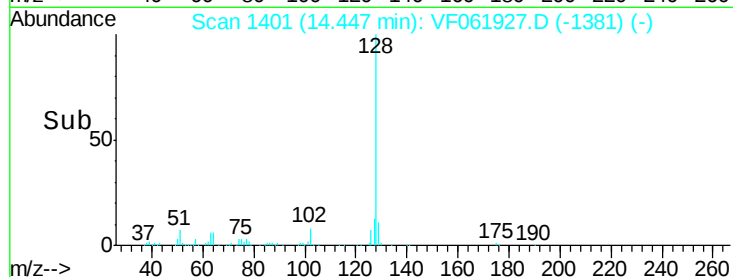
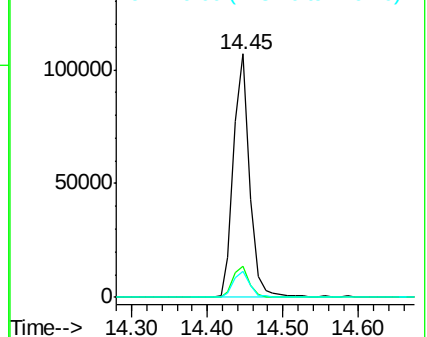
129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.905 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF061927.D

Acq: 13 Mar 2019 15:00

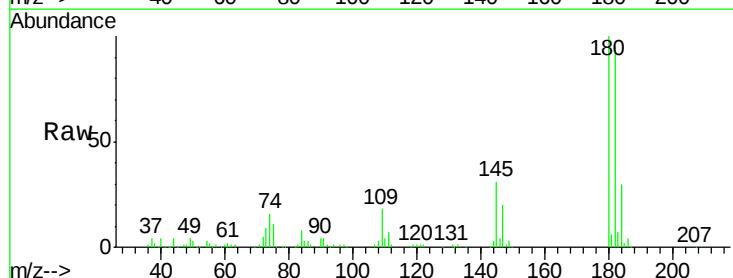
Tgt Ion:180 Resp: 87340

Ion Ratio Lower Upper

180 100

182 94.7 50.2 150.7

145 30.8 17.5 52.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

