

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
 Data File : VL032257.D
 Acq On : 13 Jul 2018 22:48
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Jul 14 04:07:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 04:25:14 2018
 QLast Update : Fri Jul 13 04:25:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1484132	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3593069	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	4233664	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.68	95	3212306	9.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.13	85	2354650	11.020	ppbv	98
3) Chlorodifluoromethane	3.07	51	1694528	9.291	ppbv	99
4) Chloromethane	3.22	50	955823	9.213	ppbv	100
5) Vinyl Chloride	3.35	62	881466	8.624	ppbv	100
6) Bromomethane	3.57	94	524104	9.210	ppbv	100
7) Chloroethane	3.66	64	345465	9.814	ppbv	98
8) Dichlorotetrafluoroethane	3.28	85	1911987	8.147	ppbv	100
9) Propene	3.09	41	748679	9.630	ppbv	98
10) Heptane	8.34	43	2296625	10.402	ppbv	99
11) Trichlorofluoromethane	4.07	101	1928180	9.433	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1237220	9.476	ppbv	100
13) Ethanol	3.71	45	176340	7.858	ppbv	96
14) Bromoethene	3.85	108	610403	9.910	ppbv	99
15) Acetone	3.97	43	1536679	8.923	ppbv	99
16) 1,3-Butadiene	3.42	39	1129123	12.975	ppbv #	75
17) tert-Butyl alcohol	4.43	59	807677	10.044	ppbv	99
18) 1,1-Dichloroethene	4.42	96	598856	9.856	ppbv	97
19) Isopropyl Alcohol	4.09	45	1105539	9.776	ppbv	100
20) Methylene Chloride	4.48	84	538220	9.222	ppbv	99
21) Allyl Chloride	4.55	41	1082551	10.737	ppbv	99
22) trans-1,2-Dichloroethene	5.04	96	677749	11.719	ppbv	98
23) Vinyl Acetate	5.23	43	3028953	10.575	ppbv	99
24) 1,1-Dichloroethane	5.17	63	1997853	9.934	ppbv	99
25) Ethyl Acetate	5.85	43	3394939	9.961	ppbv	100
26) Hexane	5.86	57	1516977	9.758	ppbv	98
27) Carbon Disulfide	4.69	76	1536060	11.043	ppbv	100
28) Methyl tert-Butyl Ether	5.19	73	2708192	11.068	ppbv	100
29) Chloroform	5.93	83	2296134	9.567	ppbv	100
30) Cyclohexane	7.34	84	1442959	10.518	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1633670	10.530	ppbv	97
32) 1,1,1-Trichloroethane	6.71	97	2485192	10.671	ppbv	99
34) 2-Butanone	5.40	43	2405939	9.828	ppbv	99
35) Carbon Tetrachloride	7.22	117	2625926	10.799	ppbv	98
36) Benzene	7.09	78	3533943	9.896	ppbv	99
37) 1,2-Dichloroethane	6.50	62	1961125	10.031	ppbv	100
38) Trichloroethene	8.05	130	1200123	9.798	ppbv	99
39) 1,2-Dichloropropane	7.83	63	1532615	10.800	ppbv	94
40) 1,4-Dioxane	8.04	88	193726	3.981	ppbv #	1
41) Tetrahydrofuran	6.23	42	1489997	10.876	ppbv	99
42) Bromodichloromethane	8.01	83	2716303	9.758	ppbv	99
43) Methyl Methacrylate	8.23	69	780019	5.653	ppbv #	1

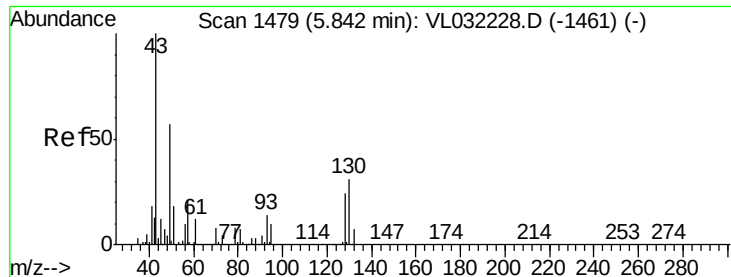
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 QLast Update : Fri Jul 13 04:25:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6362502	10.360	ppbv	99
45) t-1,3-Dichloropropene	9.51	75	2170664	13.208	ppbv	99
46) cis-1,3-Dichloropropene	8.93	75	2509489	11.195	ppbv	99
47) 1,1,2-Trichloroethane	9.71	97	1371337	8.652	ppbv	98
48) Dibromochloromethane	10.55	129	2464517	10.451	ppbv	99
49) Bromoform	13.30	173	2001432	10.588	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	4363559	10.303	ppbv	99
51) 2-Hexanone	10.37	43	3734761	10.559	ppbv	100
52) Tetrachloroethene	11.47	164	1184532	8.978	ppbv	98
53) Toluene	10.04	91	4464263	10.574	ppbv	100
54) 1,2-Dibromoethane	10.86	107	2397865	10.247	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.38	131	1714207	9.321	ppbv #	61
57) Chlorobenzene	12.40	112	3199484	8.941	ppbv	99
58) Ethyl Benzene	12.96	91	5964800	9.675	ppbv	99
59) m/p-Xylene	13.25	91	4423572	8.721	ppbv #	21
60) o-Xylene	13.95	91	4641433	9.273	ppbv	99
61) Styrene	13.78	104	3797415	10.125	ppbv	99
62) Isopropylbenzene	14.93	105	6465891	9.213	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.94	83	3473742	8.531	ppbv	100
64) n-propylbenzene	15.82	120	1691404	9.520	ppbv	98
65) tert-Butylbenzene	17.01	119	5306284	9.026	ppbv	100
66) Benzyl Chloride	17.26	91	3862813	12.983	ppbv	100
67) sec-Butylbenzene	17.56	105	8010013	9.325	ppbv	100
69) p-Isopropyltoluene	17.92	119	6469376	9.672	ppbv	100
70) n-Butylbenzene	18.81	91	7174916	9.711	ppbv	100
71) 2-Chlorotoluene	15.72	91	5242937	9.492	ppbv	100
72) 4-Ethyltoluene	16.10	105	5549351	9.881	ppbv	99
73) 1,3,5-Trimethylbenzene	16.26	105	5292816	10.135	ppbv	100
74) 1,2,4-Trimethylbenzene	17.02	105	5157311	9.658	ppbv	98
75) 1,3-Dichlorobenzene	17.27	146	2835373	8.901	ppbv	100
76) 1,4-Dichlorobenzene	17.41	146	2942224	9.431	ppbv	99
77) 1,2-Dichlorobenzene	18.09	146	2871684	9.070	ppbv	99
78) Hexachloro-1,3-Butadiene	23.64	225	1691029	17.138	ppbv	99
79) Naphthalene	22.53	128	5311139	14.816	ppbv	99
80) Naphthalene,2-methyl-	25.19	142	2495233	21.787	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	2362141	13.168	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.85 min Scan# 1480

Delta R.T. 0.00 min

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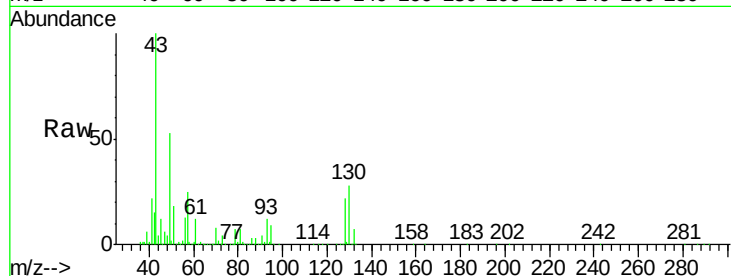
Tgt Ion: 49 Resp: 1484132

Ion Ratio Lower Upper

49 100

128 41.2 20.9 62.8

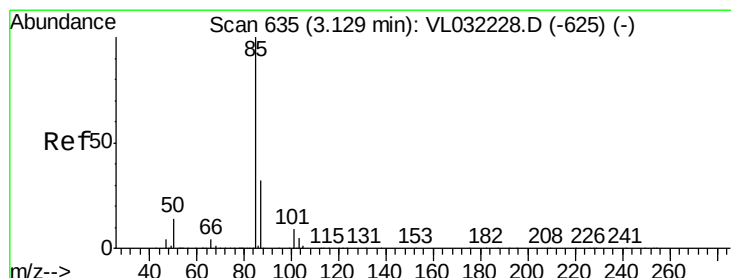
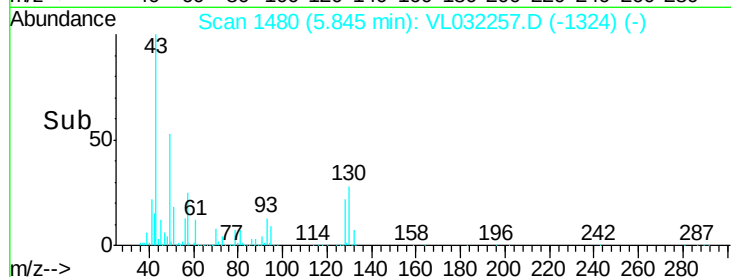
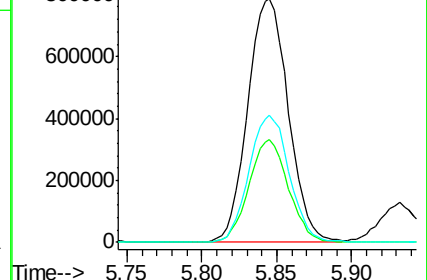
130 52.2 27.0 81.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 11.020 ppbv

RT: 3.13 min Scan# 635

Delta R.T. -0.00 min

Lab File: VL032257.D

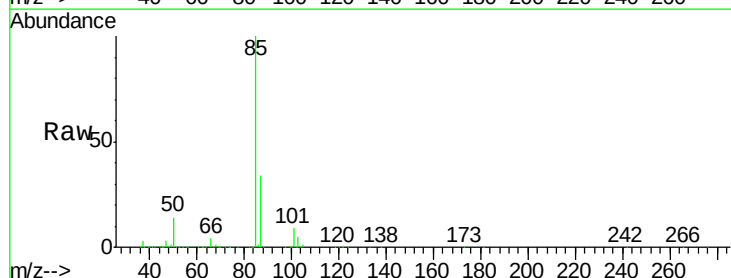
Acq: 13 Jul 2018 22:48

Tgt Ion: 85 Resp: 2354650

Ion Ratio Lower Upper

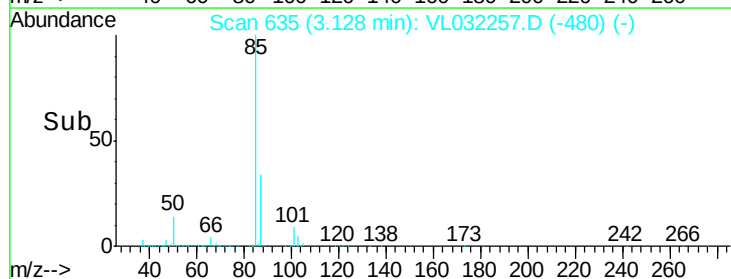
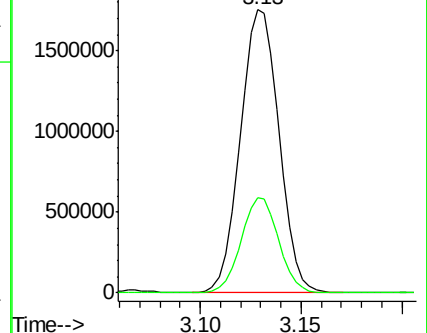
85 100

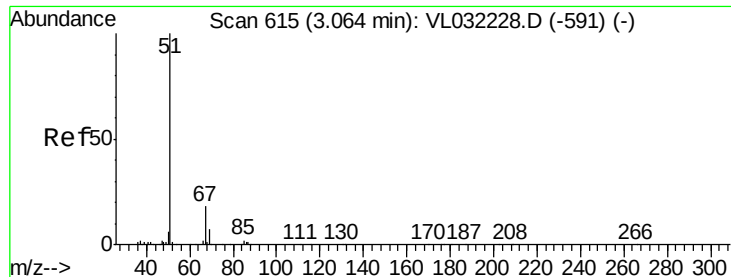
87 33.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

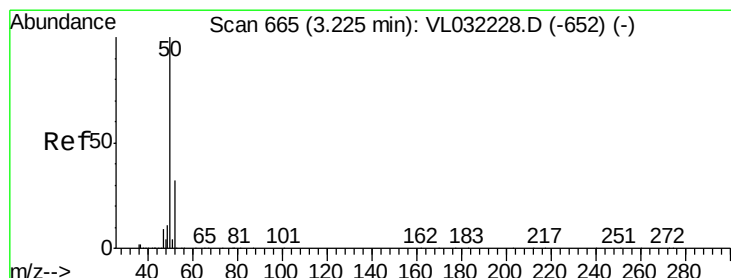
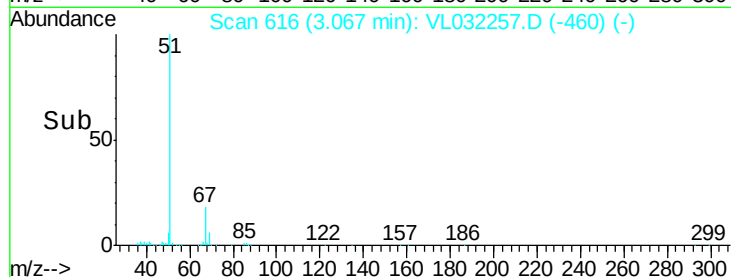
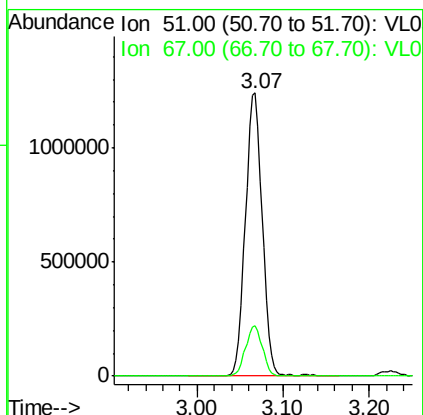
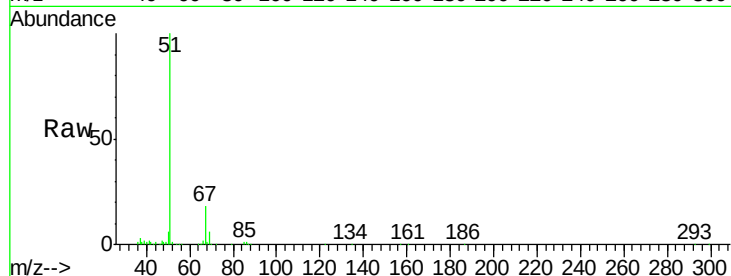




#3
Chlorodifluoromethane
Concen: 9.291 ppbv
RT: 3.07 min Scan# 616
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

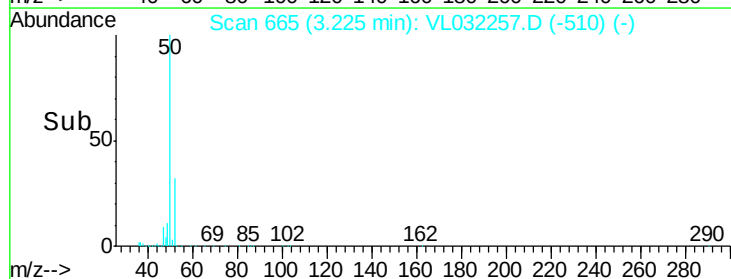
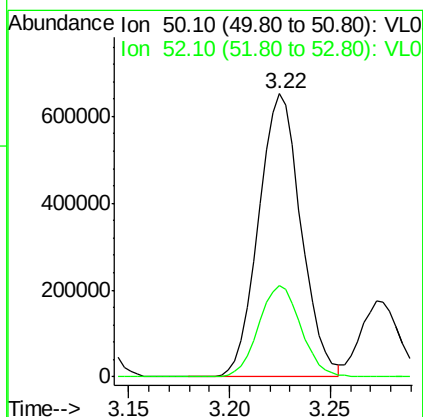
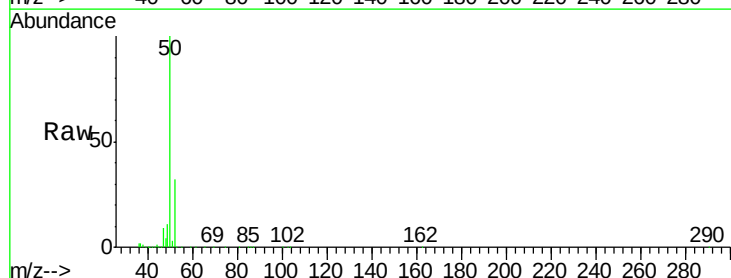
Instrument :
MSVOA_L
ClientSampleId :
BFB

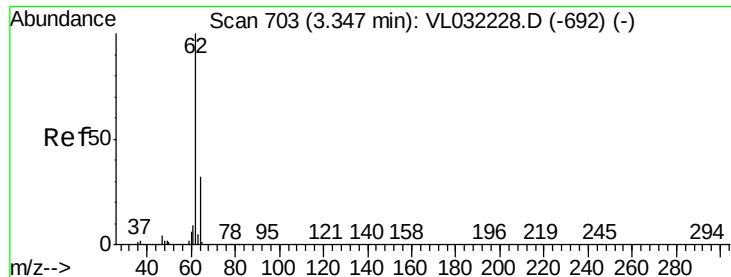
Tgt Ion: 51 Resp: 1694528
Ion Ratio Lower Upper
51 100
67 17.8 14.6 22.0



#4
Chloromethane
Concen: 9.213 ppbv
RT: 3.22 min Scan# 665
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 50 Resp: 955823
Ion Ratio Lower Upper
50 100
52 32.2 25.7 38.5





#5

Vinyl Chloride

Concen: 8.624 ppbv

RT: 3.35 min Scan# 703

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

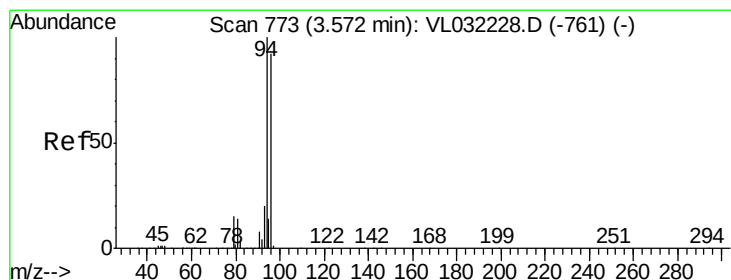
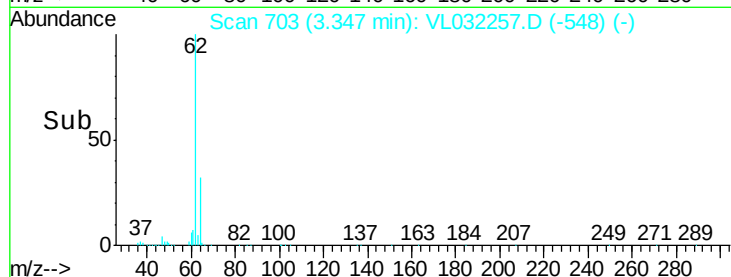
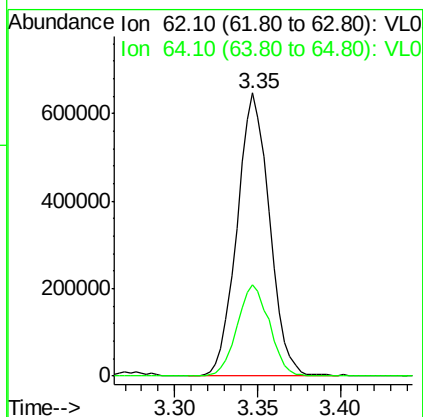
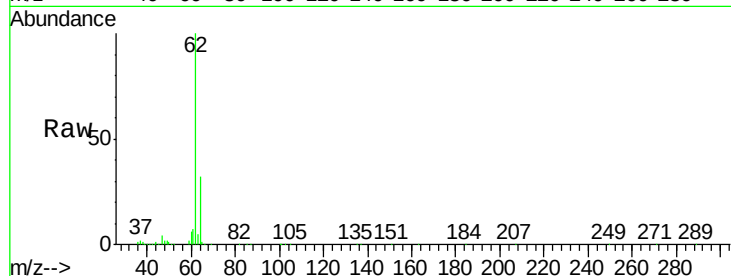
BFB

Tgt Ion: 62 Resp: 881466

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6



#6

Bromomethane

Concen: 9.210 ppbv

RT: 3.57 min Scan# 773

Delta R.T. -0.00 min

Lab File: VL032257.D

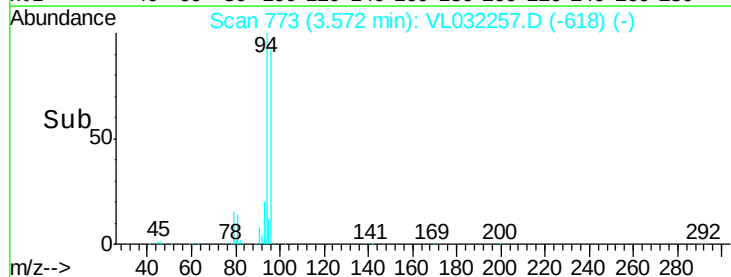
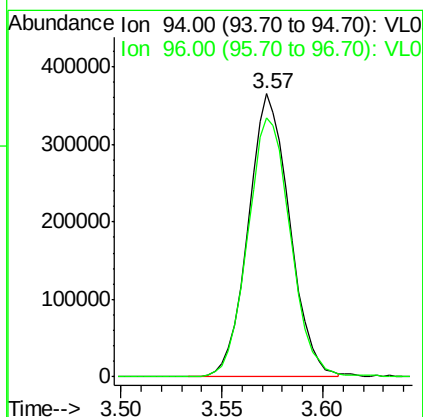
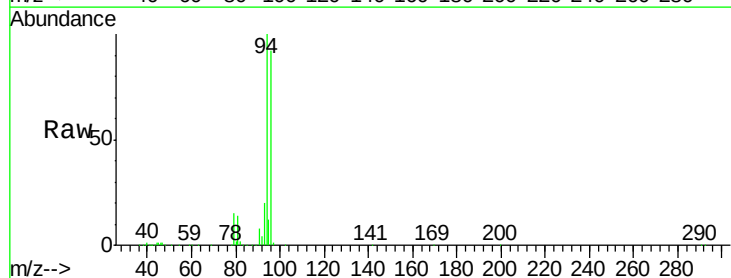
Acq: 13 Jul 2018 22:48

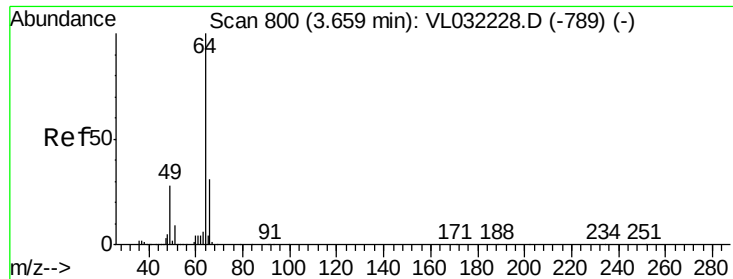
Tgt Ion: 94 Resp: 524104

Ion Ratio Lower Upper

94 100

96 91.5 73.5 110.3





#7

Chloroethane

Concen: 9.814 ppbv

RT: 3.66 min Scan# 800

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampled :

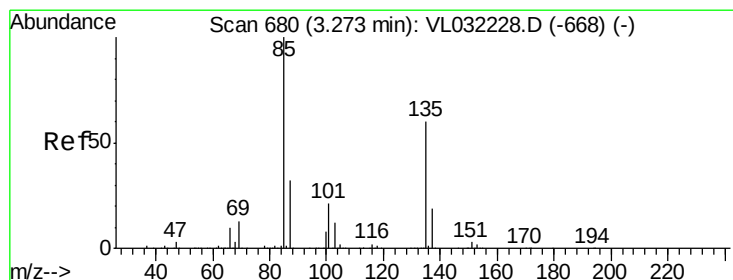
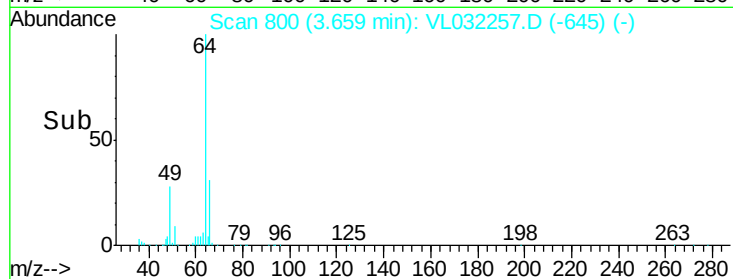
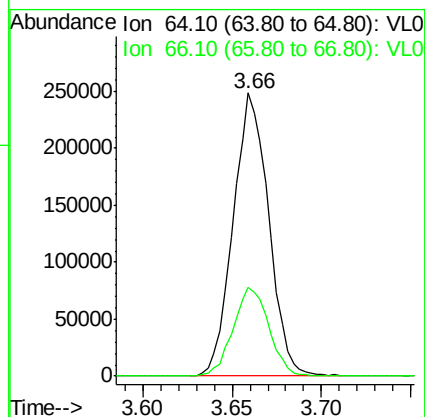
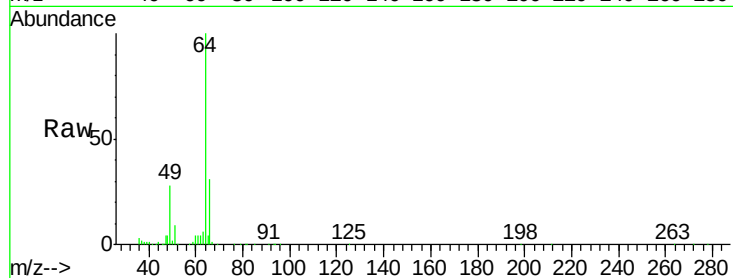
BFB

Tgt Ion: 64 Resp: 345465

Ion Ratio Lower Upper

64 100

66 31.5 24.4 36.6



#8

Dichlorotetrafluoroethane

Concen: 8.147 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.00 min

Lab File: VL032257.D

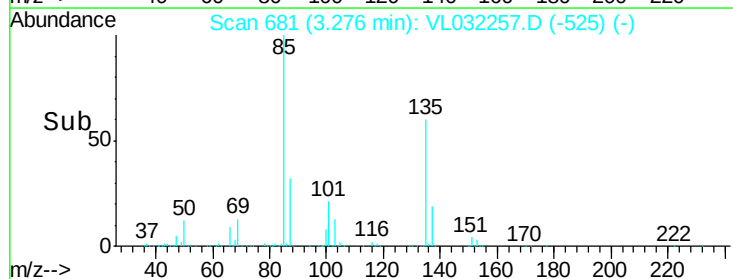
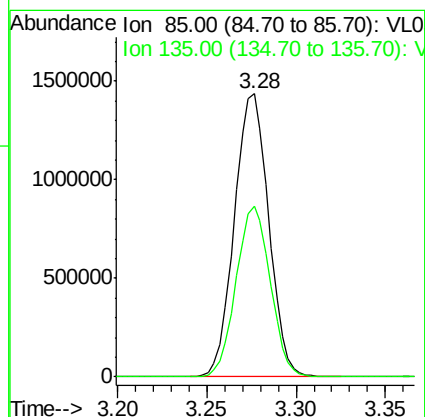
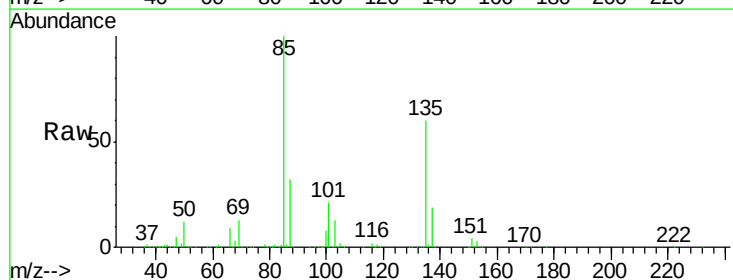
Acq: 13 Jul 2018 22:48

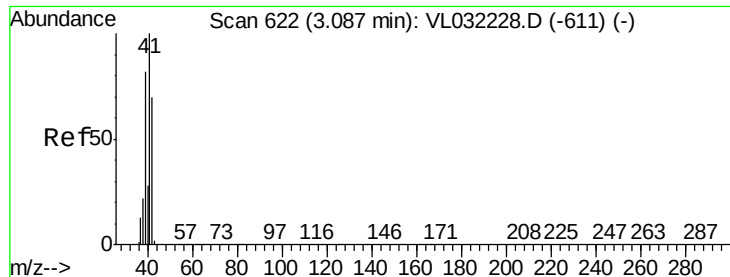
Tgt Ion: 85 Resp: 1911987

Ion Ratio Lower Upper

85 100

135 60.4 48.6 72.8





#9

Propene

Concen: 9.630 ppbv

RT: 3.09 min Scan# 622

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

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ClientSampleId :

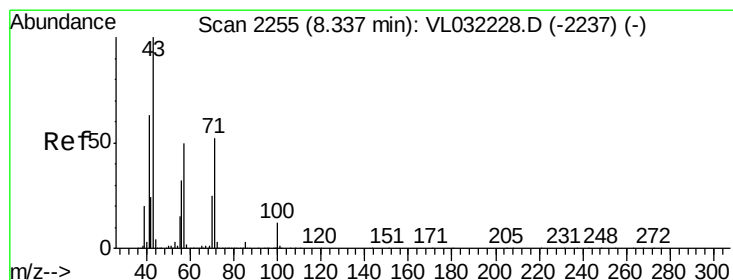
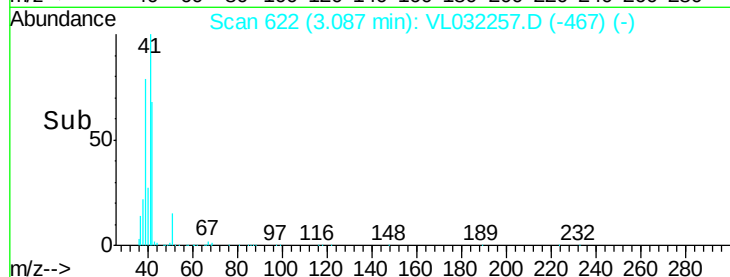
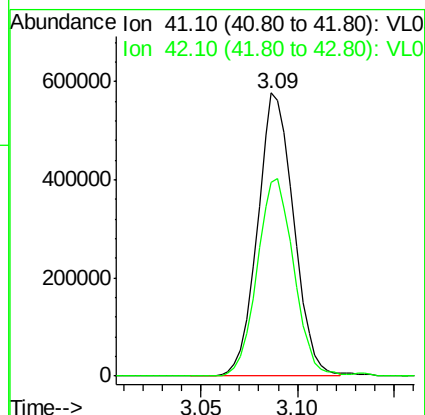
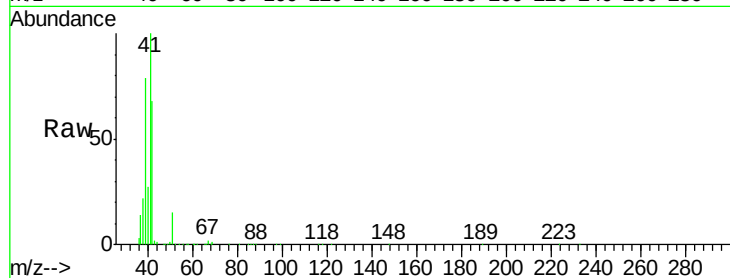
BFB

Tgt Ion: 41 Resp: 748679

Ion Ratio Lower Upper

41 100

42 71.8 56.2 84.4



#10

Heptane

Concen: 10.402 ppbv

RT: 8.34 min Scan# 2255

Delta R.T. -0.00 min

Lab File: VL032257.D

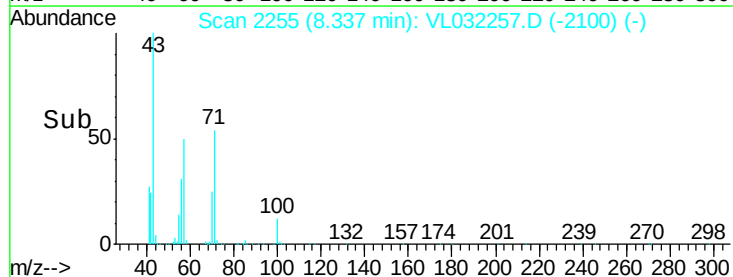
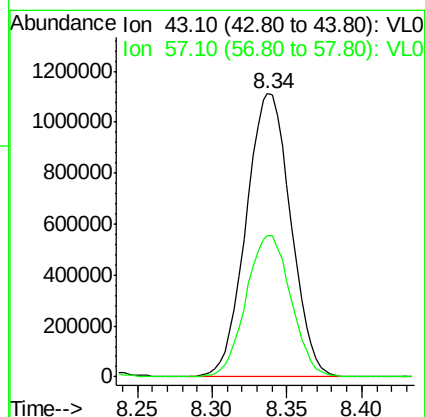
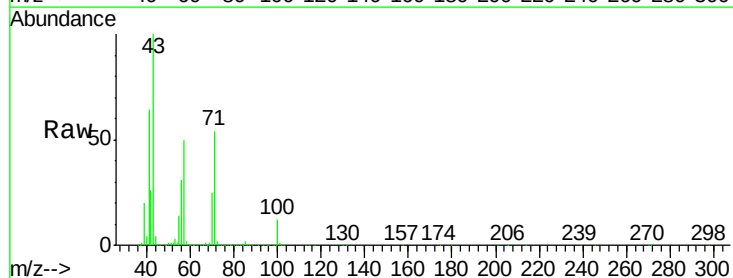
Acq: 13 Jul 2018 22:48

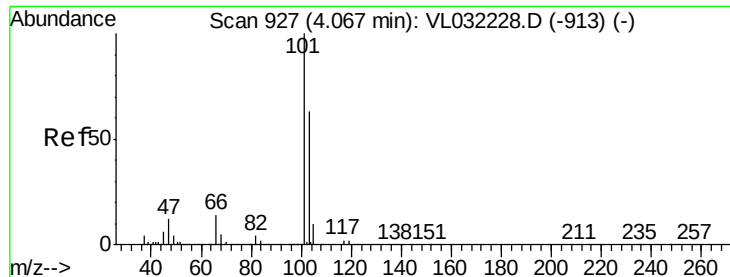
Tgt Ion: 43 Resp: 2296625

Ion Ratio Lower Upper

43 100

57 50.0 40.7 61.1





#11

Trichlorofluoromethane

Concen: 9.433 ppbv

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

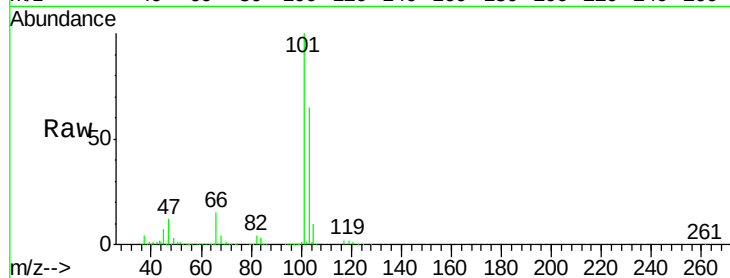
BFB

Tgt Ion:101 Resp: 1928180

Ion Ratio Lower Upper

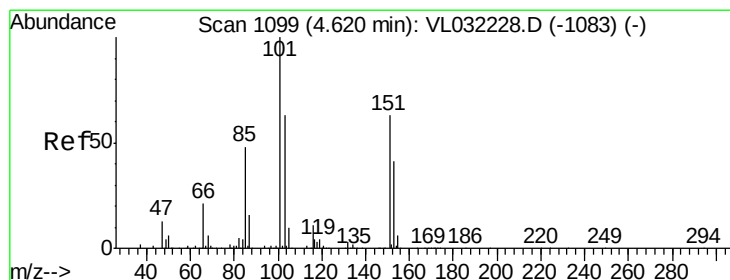
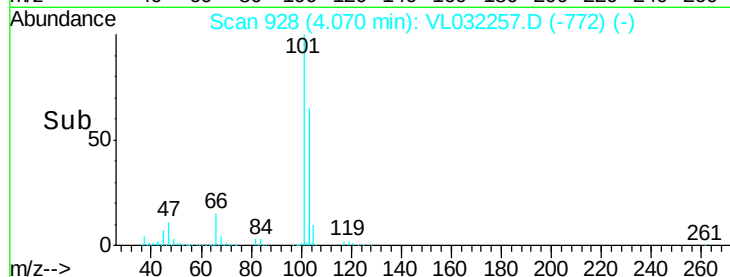
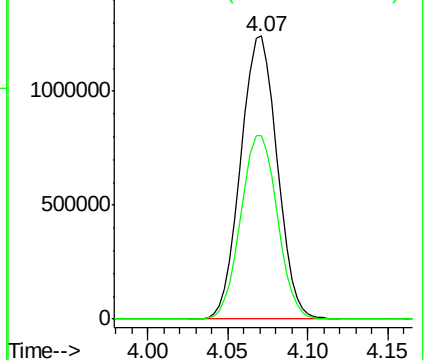
101 100

103 64.8 50.2 75.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.476 ppbv

RT: 4.62 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VL032257.D

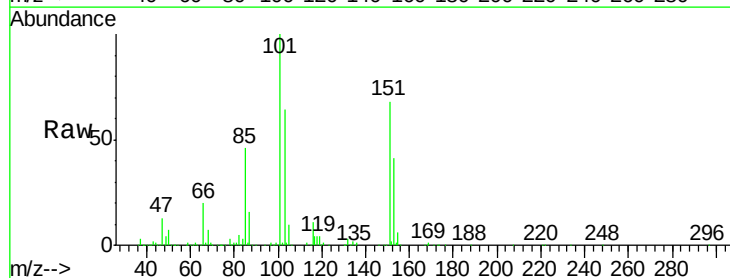
Acq: 13 Jul 2018 22:48

Tgt Ion:101 Resp: 1237220

Ion Ratio Lower Upper

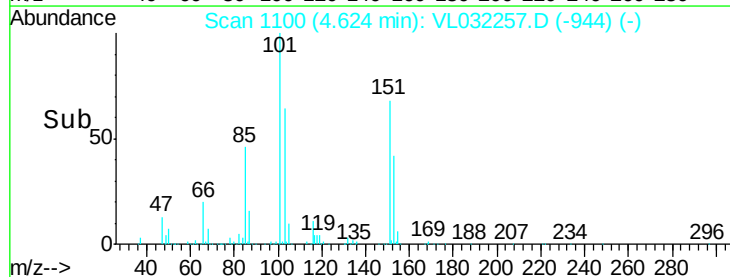
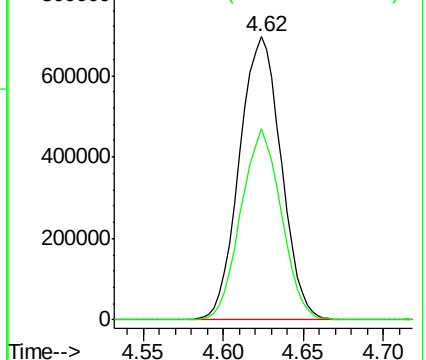
101 100

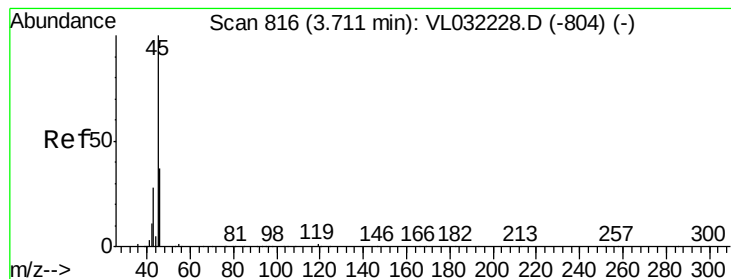
151 65.5 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.858 ppbv

RT: 3.71 min Scan# 816

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

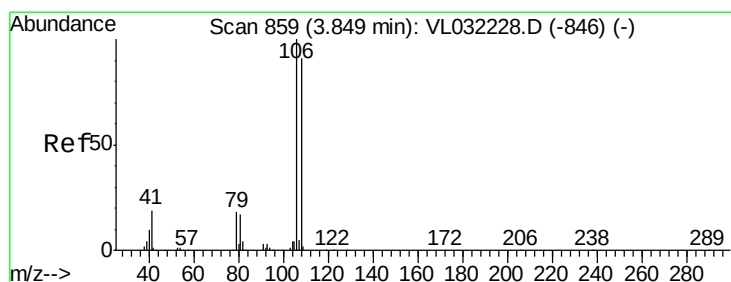
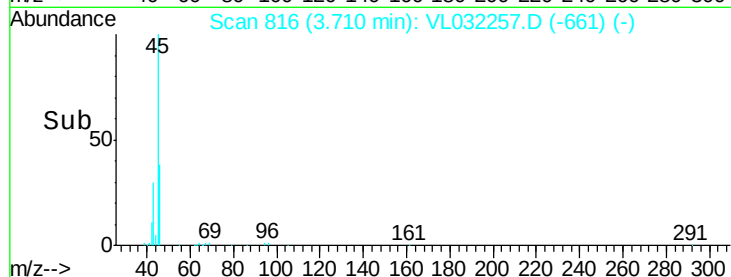
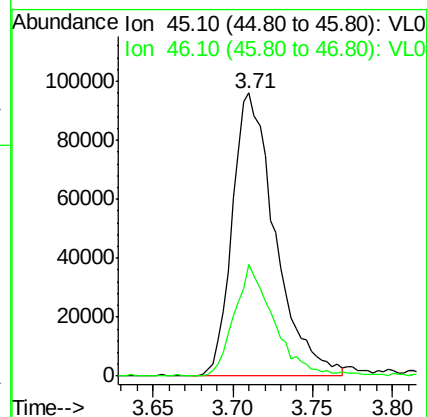
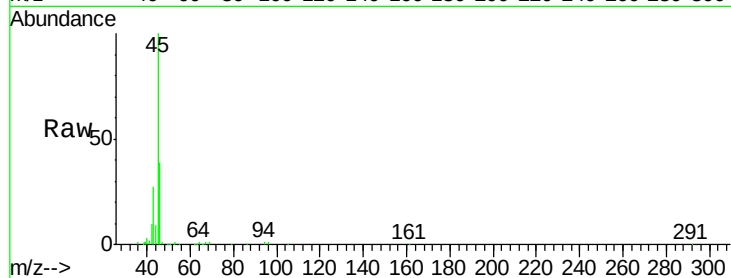
BFB

Tgt Ion: 45 Resp: 176340

Ion Ratio Lower Upper

45 100

46 36.4 15.5 61.9



#14

Bromoethene

Concen: 9.910 ppbv

RT: 3.85 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

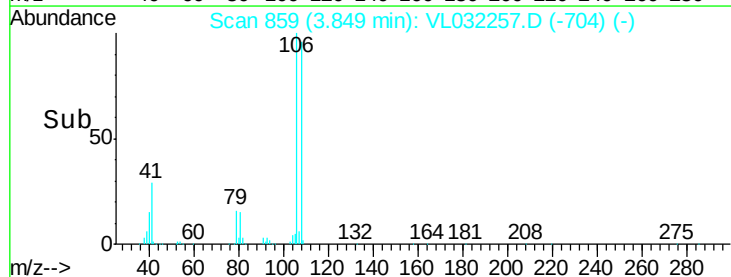
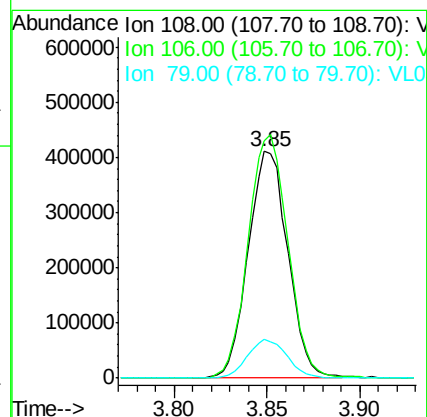
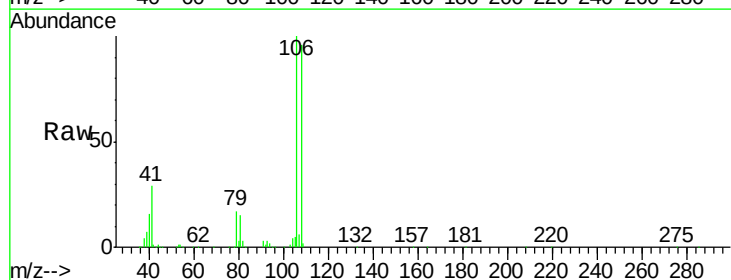
Tgt Ion: 108 Resp: 610403

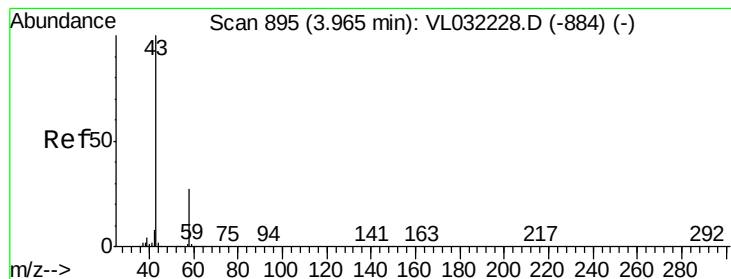
Ion Ratio Lower Upper

108 100

106 108.3 85.5 128.3

79 17.3 14.2 21.4





#15

Acetone

Concen: 8.923 ppbv

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampled :

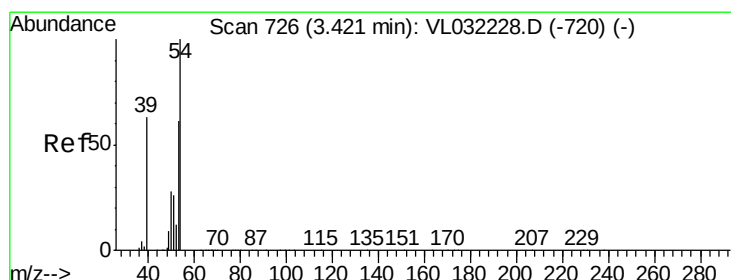
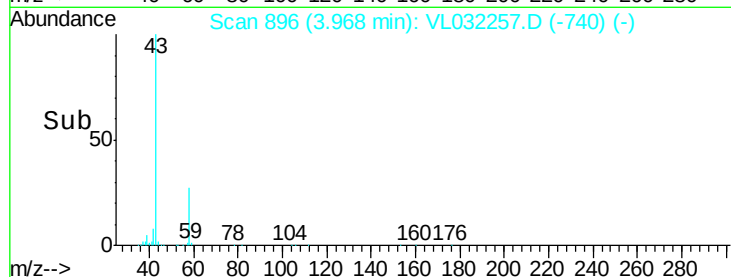
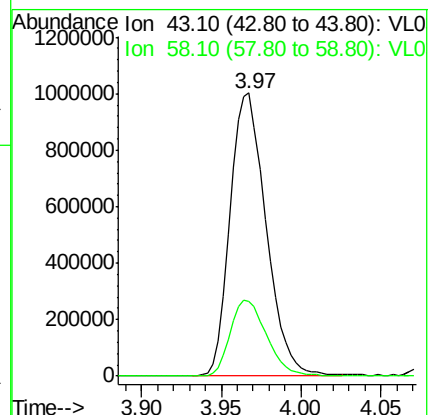
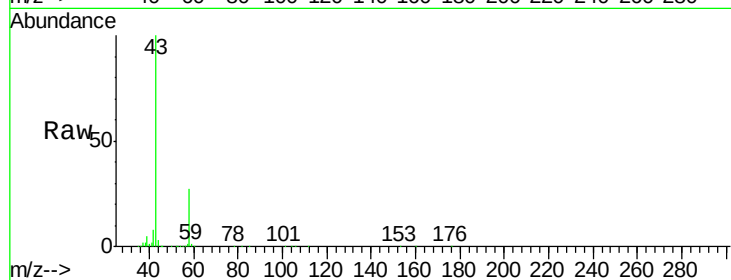
BFB

Tgt Ion: 43 Resp: 1536679

Ion Ratio Lower Upper

43 100

58 27.5 21.5 32.3



#16

1,3-Butadiene

Concen: 12.975 ppbv

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VL032257.D

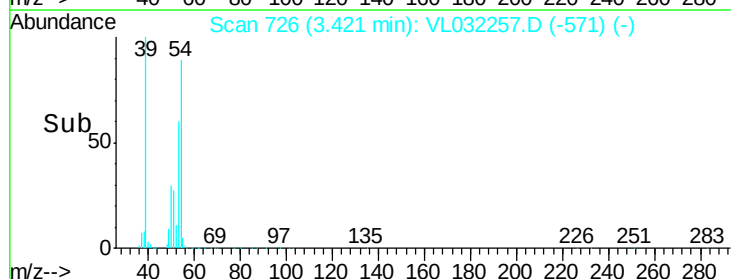
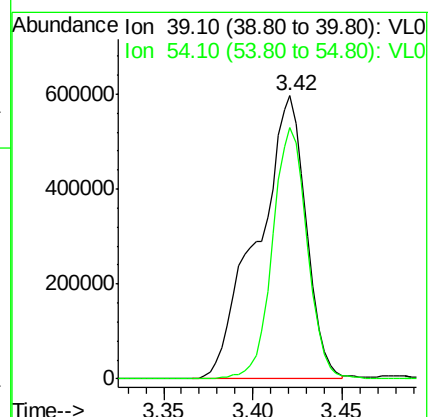
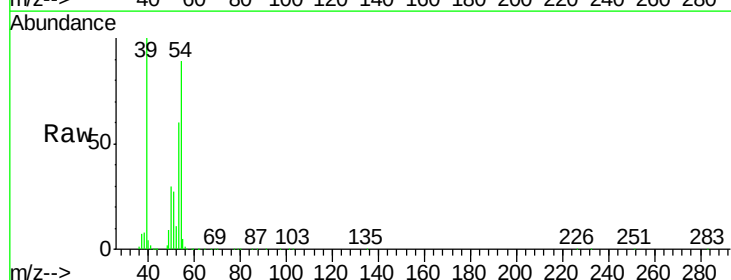
Acq: 13 Jul 2018 22:48

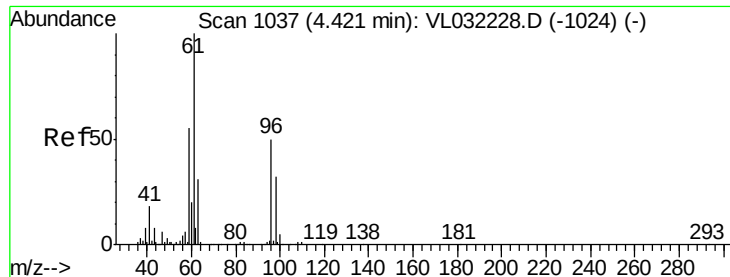
Tgt Ion: 39 Resp: 1129123

Ion Ratio Lower Upper

39 100

54 63.9 70.0 105.0#

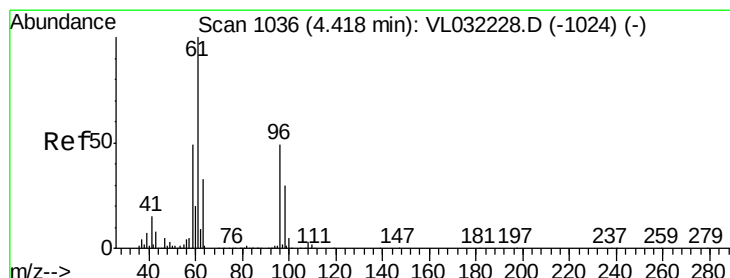
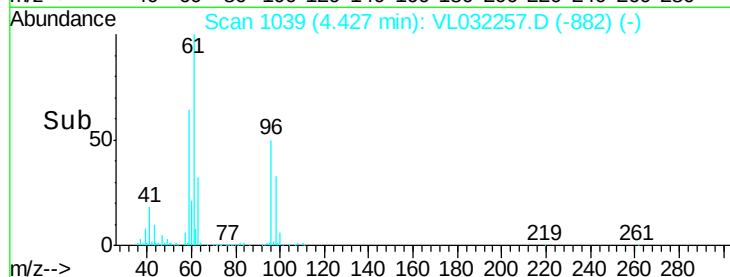
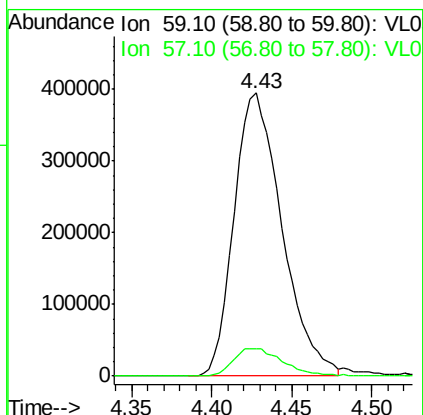
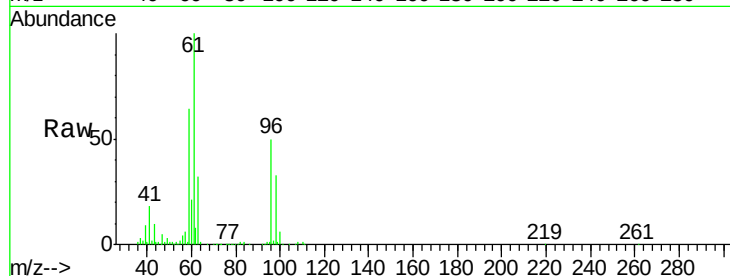




#17
 tert-Butyl alcohol
 Concen: 10.044 ppbv
 RT: 4.43 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

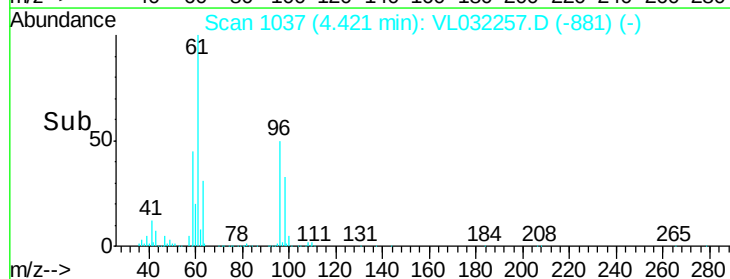
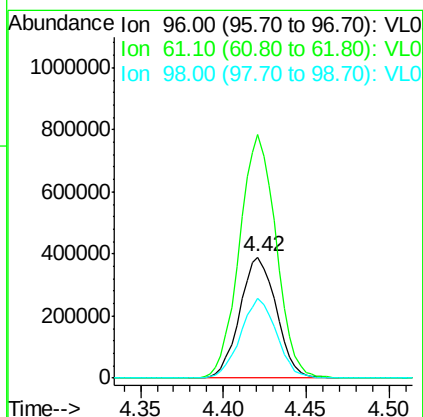
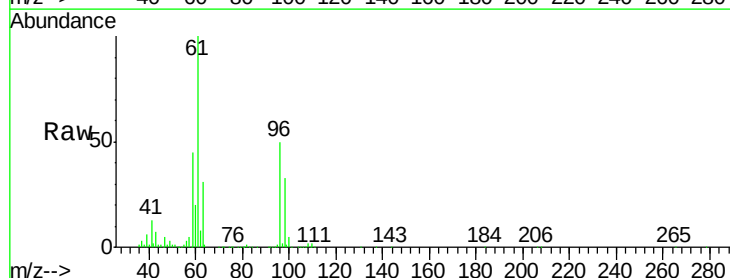
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

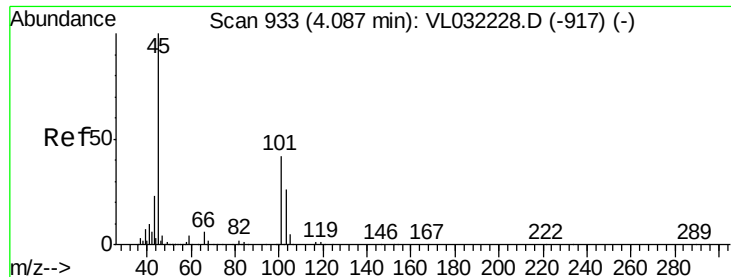
Tgt Ion: 59 Resp: 807677
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.4 12.6



#18
 1,1-Dichloroethene
 Concen: 9.856 ppbv
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 96 Resp: 598856
 Ion Ratio Lower Upper
 96 100
 61 201.6 163.0 244.4
 98 66.0 48.5 72.7





#19

Isopropyl Alcohol

Concen: 9.776 ppbv

RT: 4.09 min Scan# 934

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

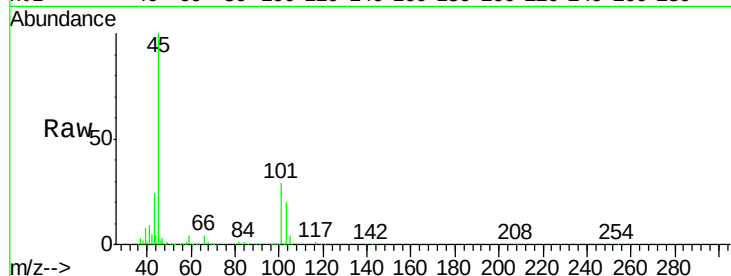
BFB

Tgt Ion: 45 Resp: 1105539

Ion Ratio Lower Upper

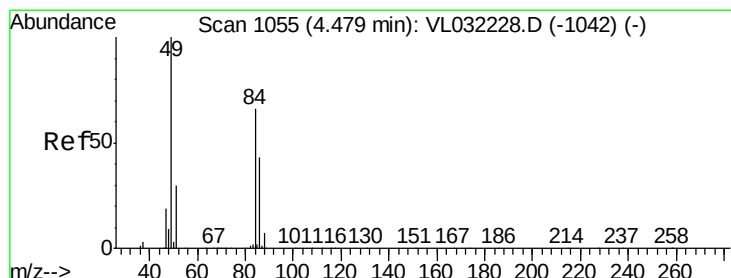
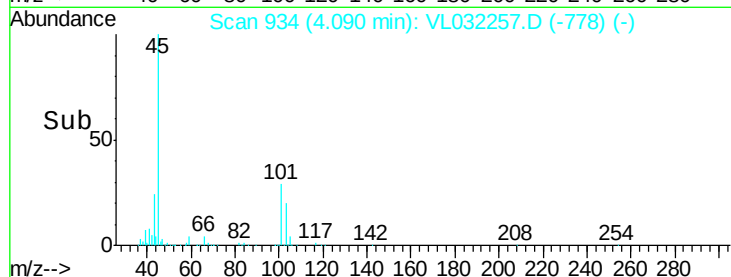
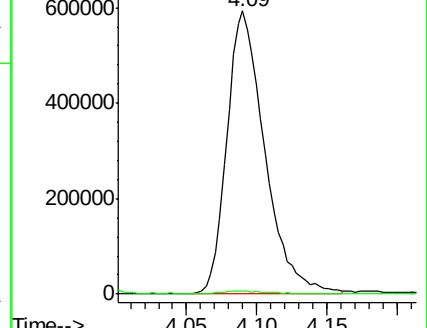
45 100

58 1.5 1.3 1.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.222 ppbv

RT: 4.48 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Tgt Ion: 84 Resp: 538220

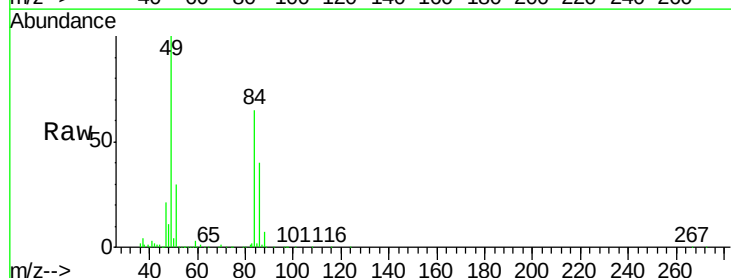
Ion Ratio Lower Upper

84 100

49 153.3 121.8 182.6

51 46.1 36.3 54.5

86 62.7 52.1 78.1

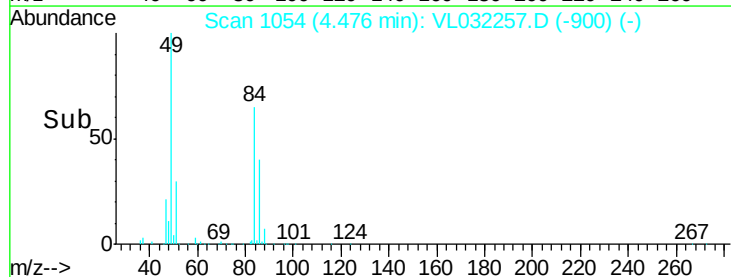
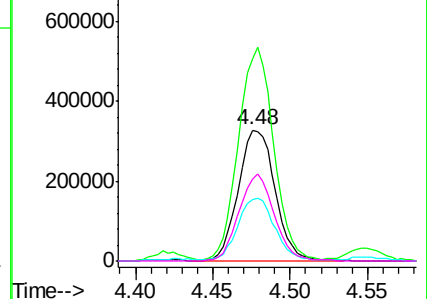


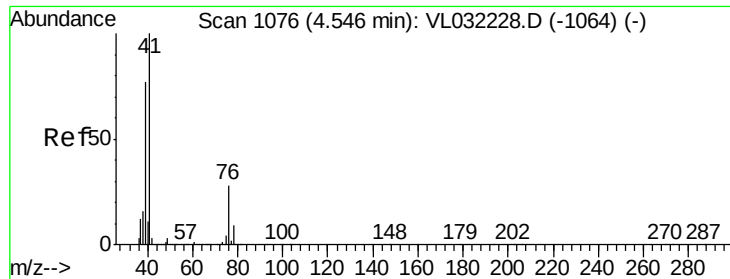
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

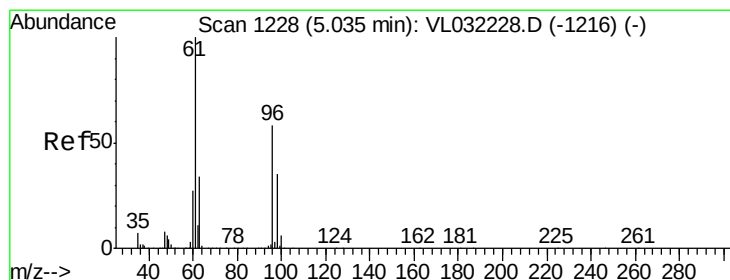
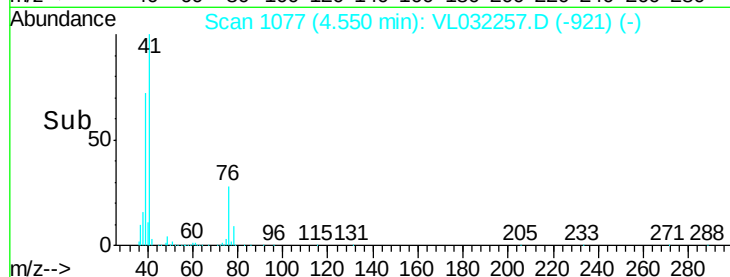
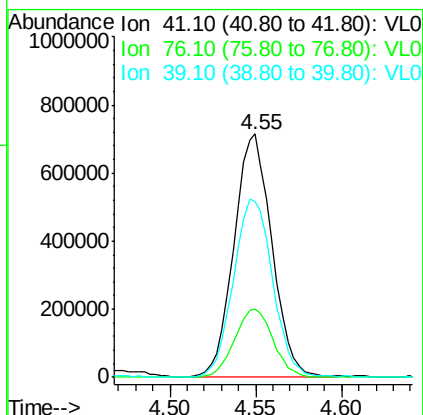
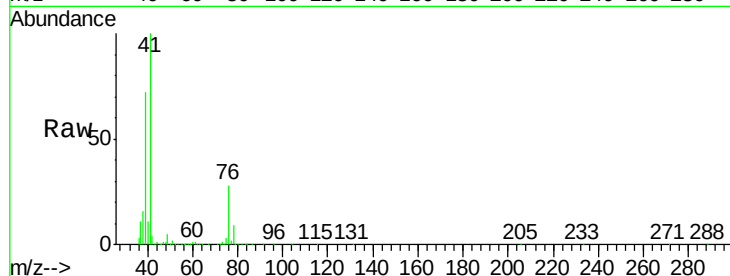




#21
 Allyl Chloride
 Concen: 10.737 ppbv
 RT: 4.55 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

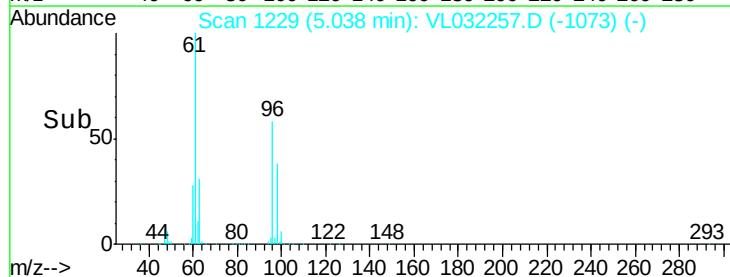
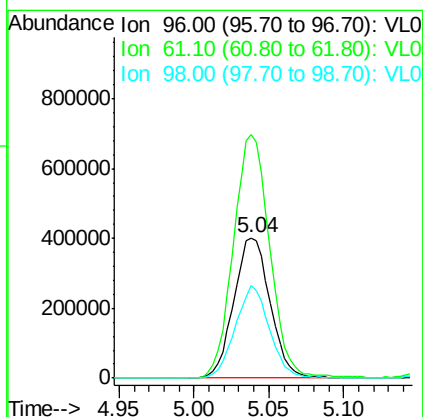
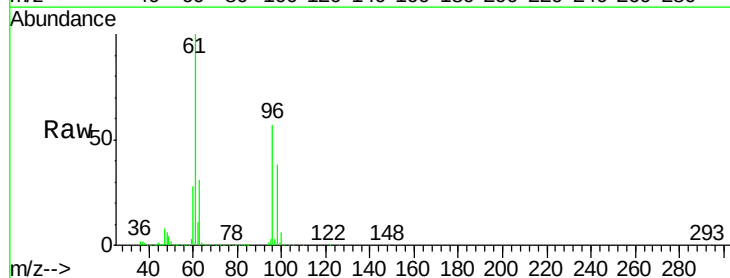
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

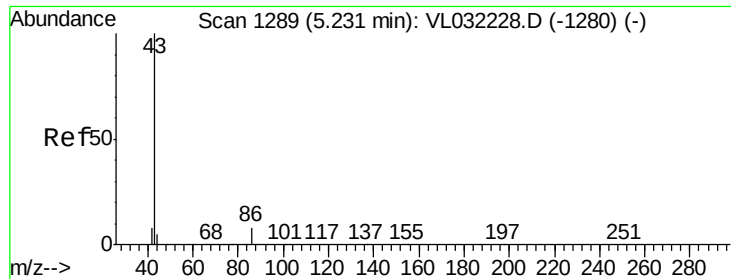
Tgt Ion: 41 Resp: 1082551
 Ion Ratio Lower Upper
 41 100
 76 28.7 22.9 34.3
 39 76.3 62.3 93.5



#22
 trans-1,2-Dichloroethene
 Concen: 11.719 ppbv
 RT: 5.04 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 96 Resp: 677749
 Ion Ratio Lower Upper
 96 100
 61 173.7 139.1 208.7
 98 66.2 48.4 72.6





#23

Vinyl Acetate

Concen: 10.575 ppbv

RT: 5.23 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion: 43 Resp: 3028953

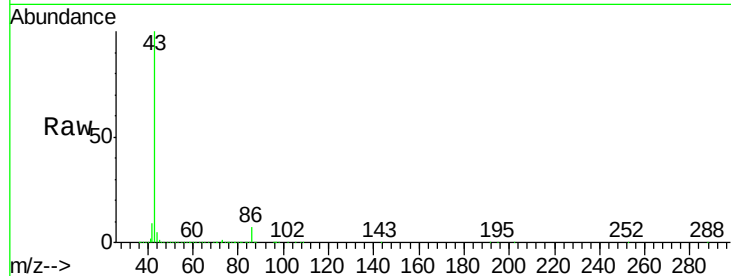
Ion Ratio Lower Upper

43 100

86 6.9 5.9 8.9

42 8.9 7.0 10.6

44 4.9 4.2 6.2

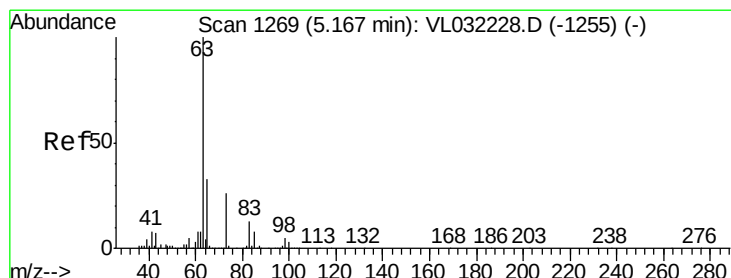
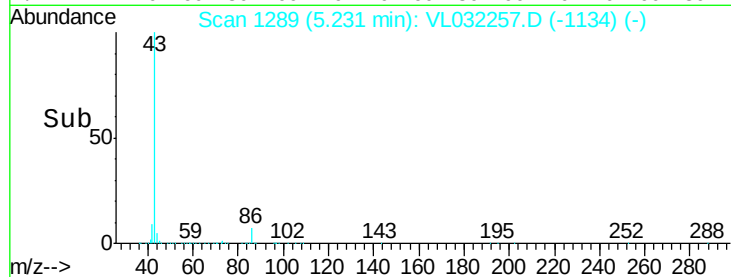
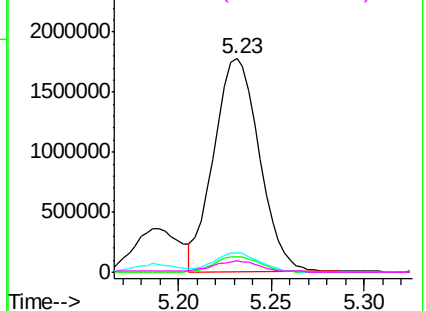


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.934 ppbv

RT: 5.17 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

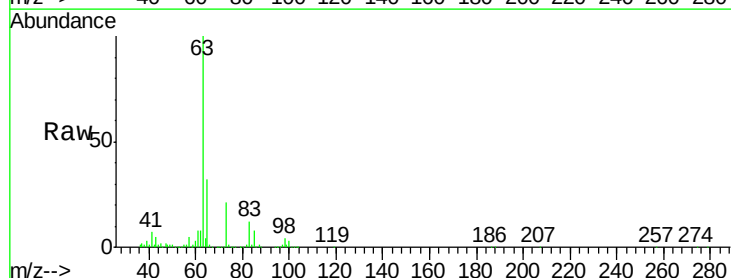
Tgt Ion: 63 Resp: 1997853

Ion Ratio Lower Upper

63 100

98 4.0 2.4 7.1

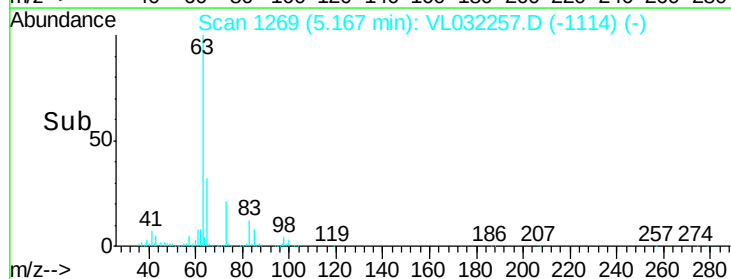
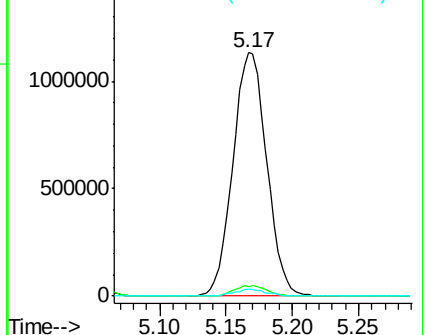
100 3.0 1.5 4.4

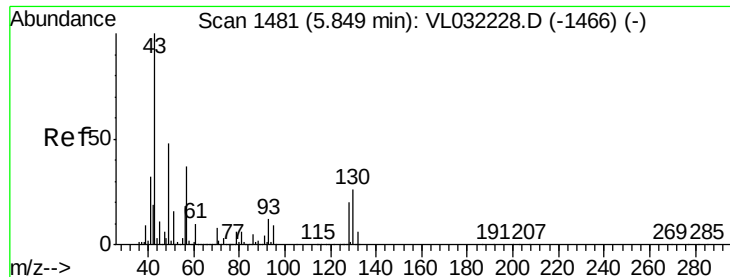


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

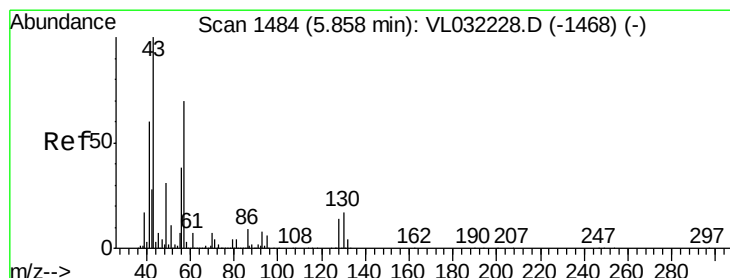
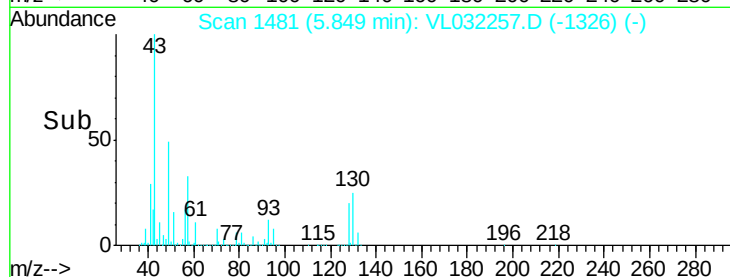
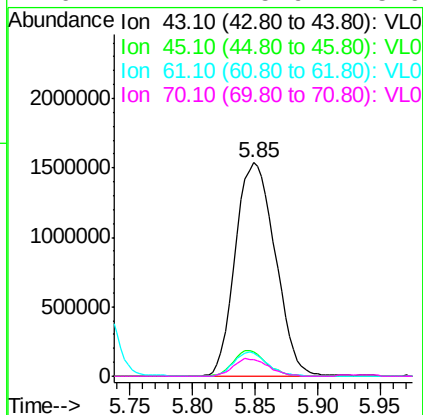
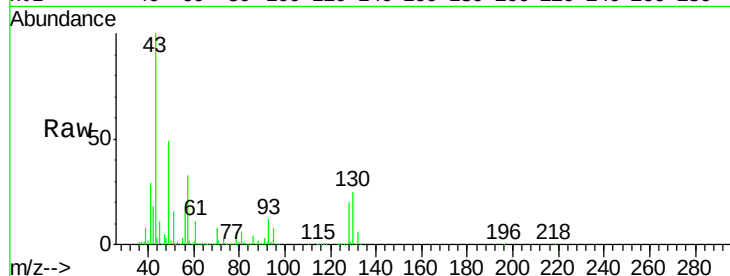




#25
Ethyl Acetate
Concen: 9.961 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

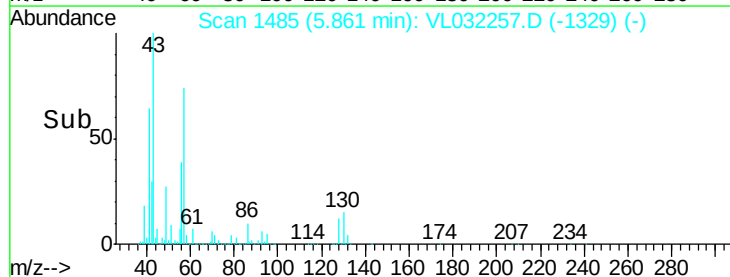
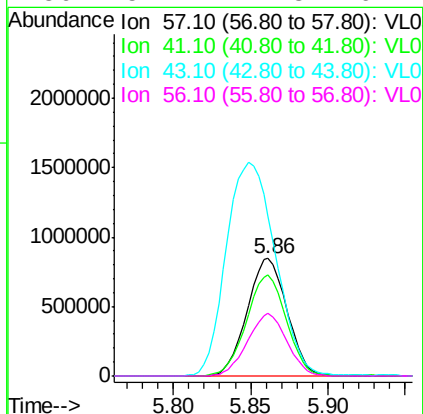
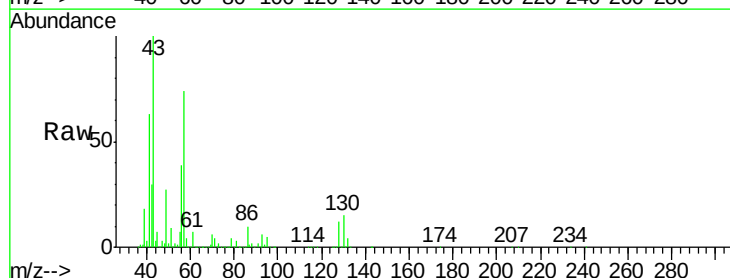
Instrument :
MSVOA_L
ClientSampleId :
BFB

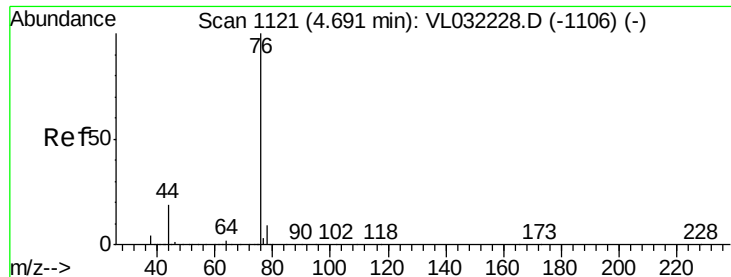
Tgt Ion: 43 Resp: 3394939
Ion Ratio Lower Upper
43 100
45 10.0 8.0 12.0
61 9.4 7.7 11.5
70 7.2 5.9 8.9



#26
Hexane
Concen: 9.758 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 57 Resp: 1516977
Ion Ratio Lower Upper
57 100
41 85.8 68.7 103.1
43 225.0 176.2 264.2
56 52.7 42.8 64.2

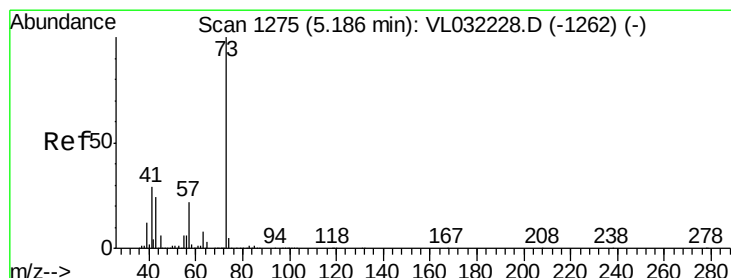
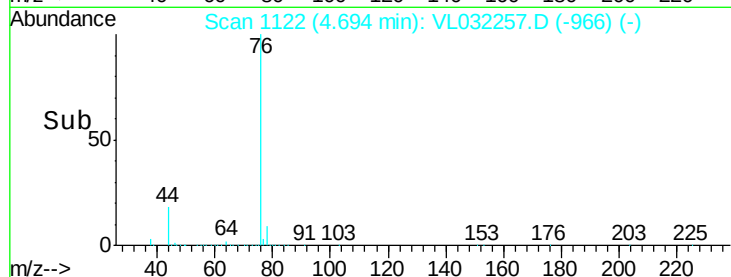
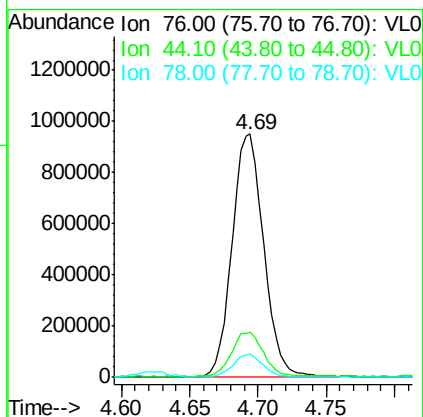
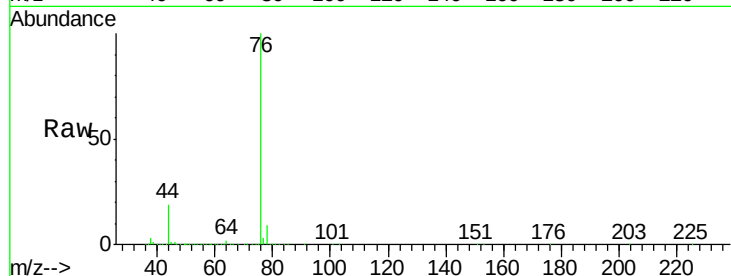




#27
Carbon Disulfide
Concen: 11.043 ppbv
RT: 4.69 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

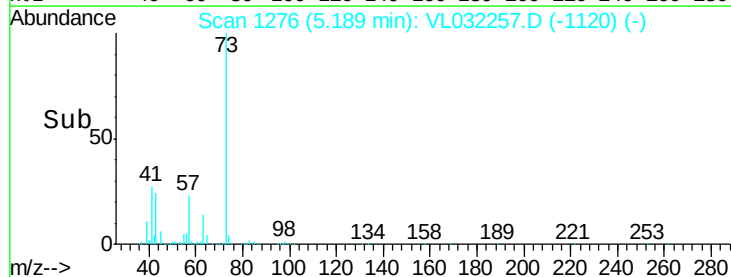
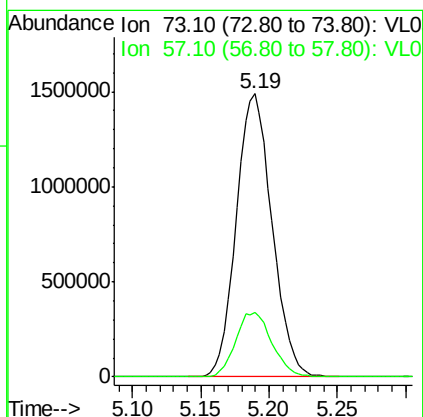
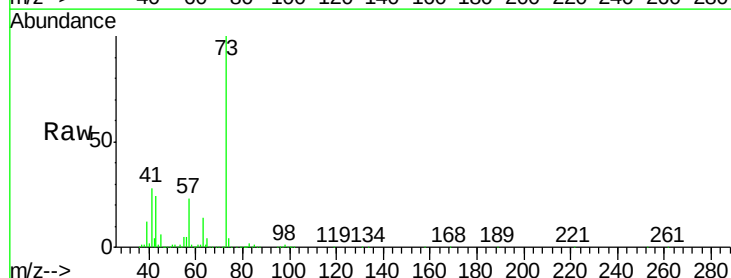
Instrument :
MSVOA_L
ClientSampleId :
BFB

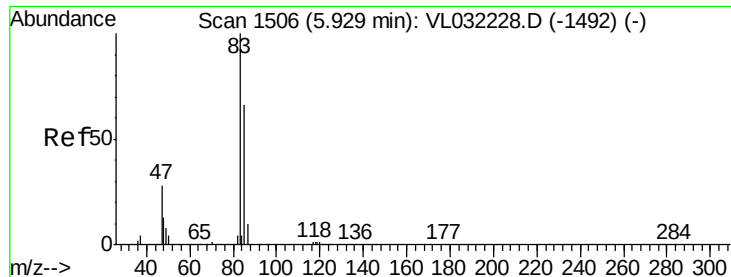
Tgt Ion: 76 Resp: 1536060
Ion Ratio Lower Upper
76 100
44 19.0 15.1 22.7
78 9.1 7.4 11.0



#28
Methyl tert-Butyl Ether
Concen: 11.068 ppbv
RT: 5.19 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 73 Resp: 2708192
Ion Ratio Lower Upper
73 100
57 23.4 18.6 27.8

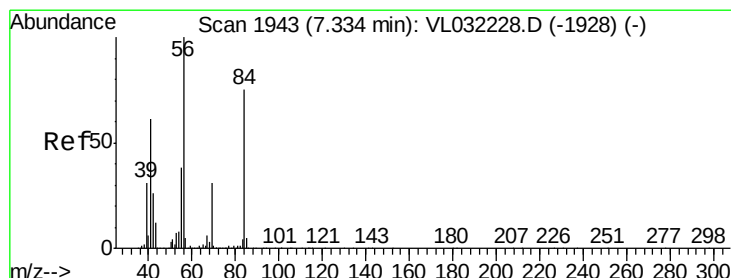
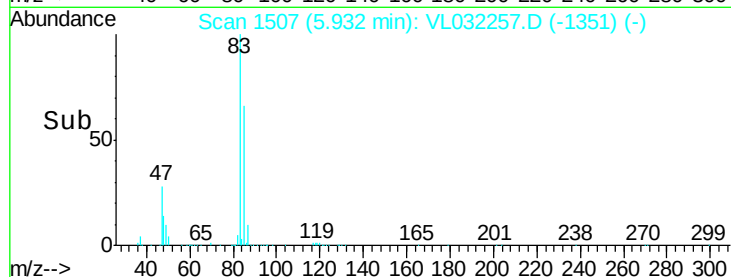
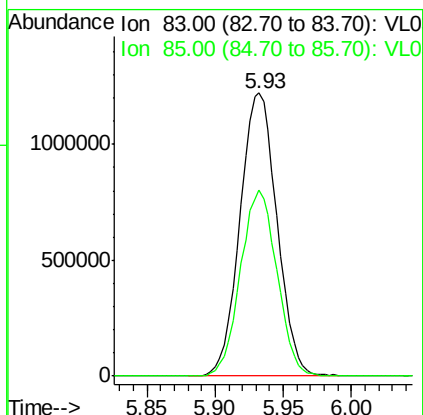
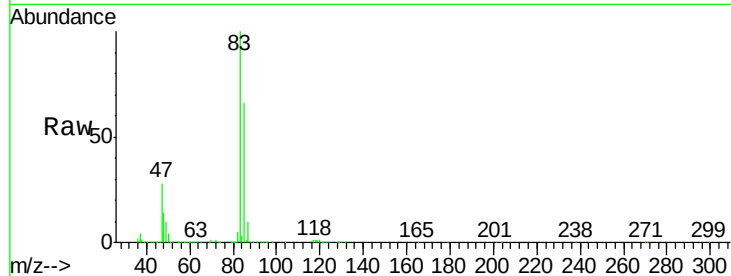




#29
Chloroform
Concen: 9.567 ppbv
RT: 5.93 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

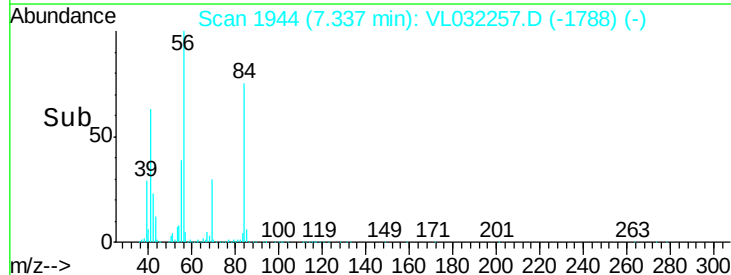
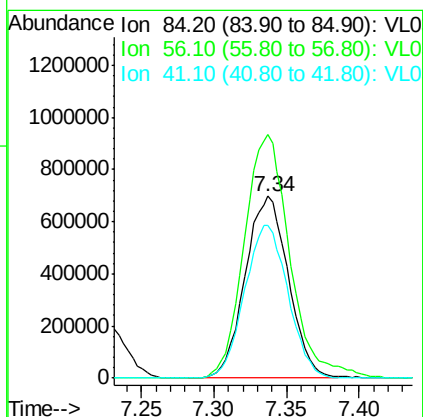
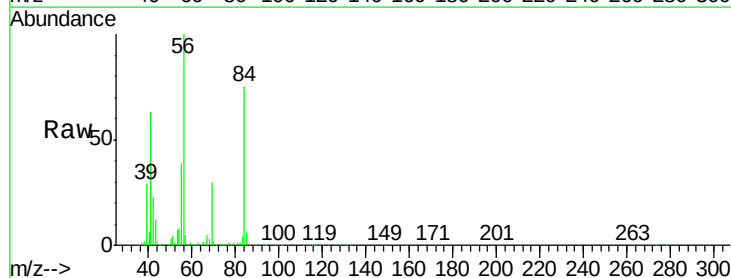
Instrument :
MSVOA_L
ClientSampleId :
BFB

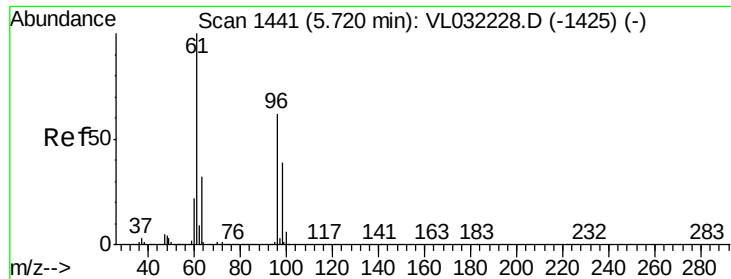
Tgt Ion: 83 Resp: 2296134
Ion Ratio Lower Upper
83 100
85 65.7 52.7 79.1



#30
Cyclohexane
Concen: 10.518 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 84 Resp: 1442959
Ion Ratio Lower Upper
84 100
56 141.6 112.6 168.8
41 84.4 67.0 100.6





#31

cis-1,2-Dichloroethene

Concen: 10.530 ppbv

RT: 5.72 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

BFB

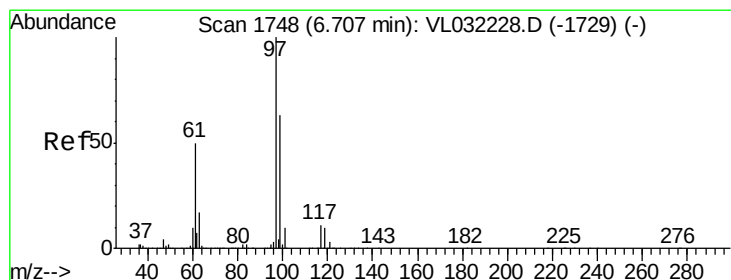
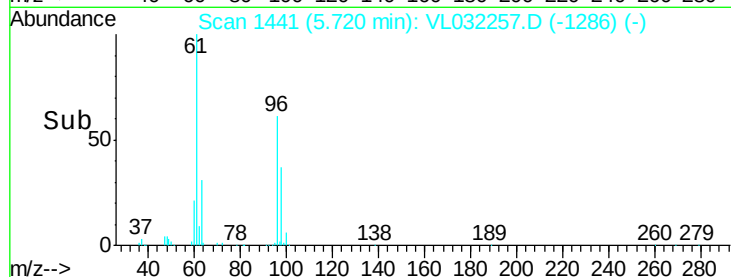
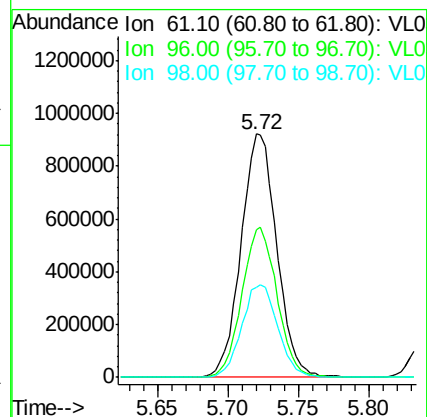
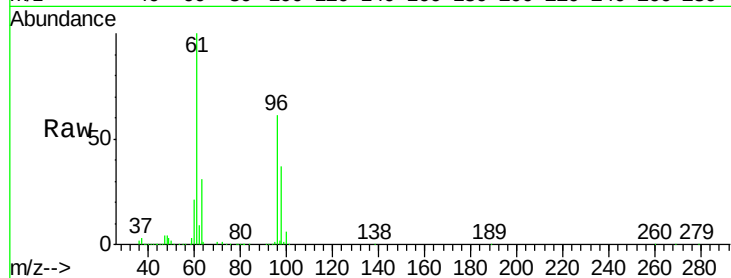
Tgt Ion: 61 Resp: 1633670

Ion Ratio Lower Upper

61 100

96 60.7 49.8 74.8

98 37.0 31.4 47.2



#32

1,1,1-Trichloroethane

Concen: 10.671 ppbv

RT: 6.71 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

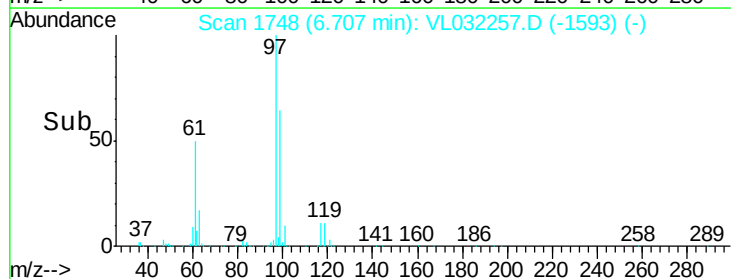
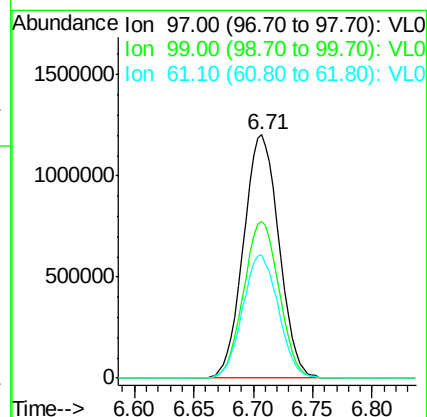
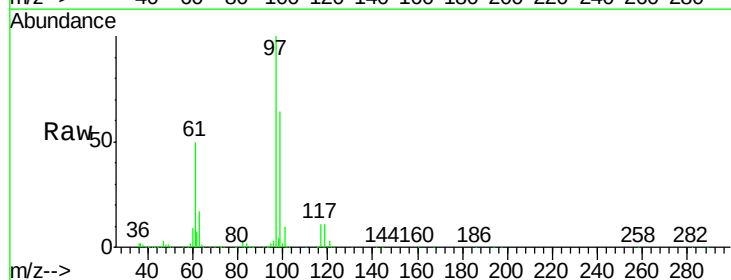
Tgt Ion: 97 Resp: 2485192

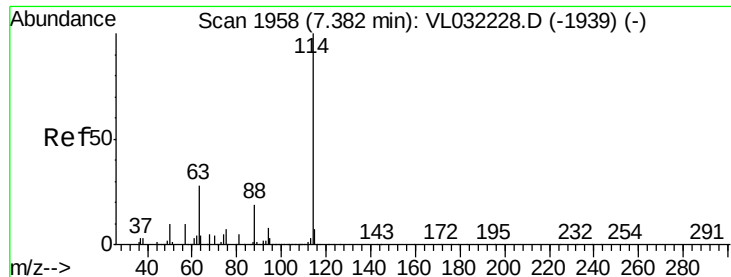
Ion Ratio Lower Upper

97 100

99 64.5 51.2 76.8

61 51.0 41.3 61.9

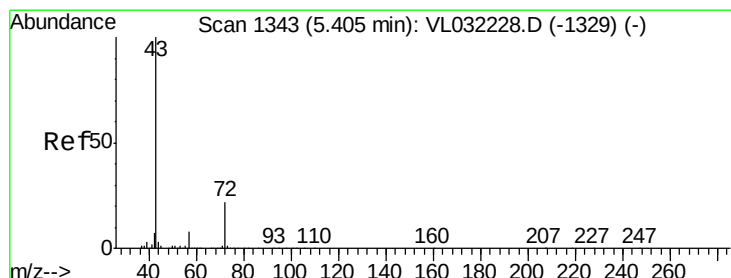
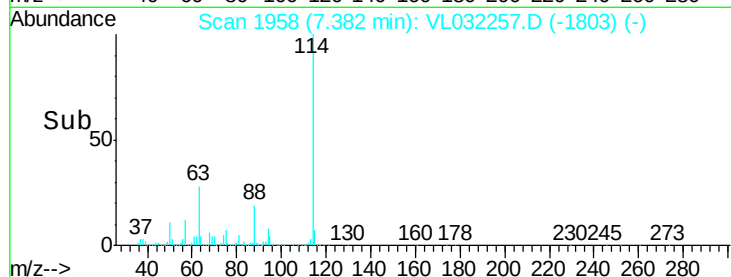
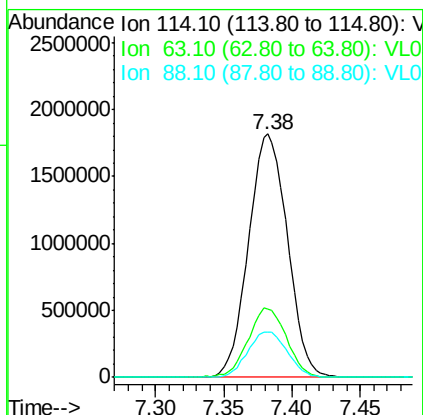
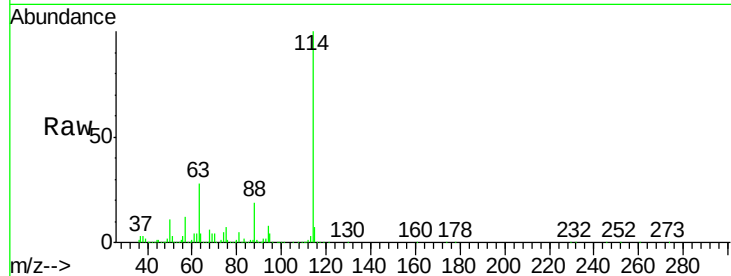




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

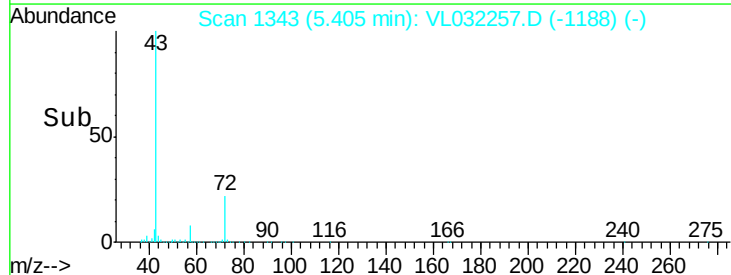
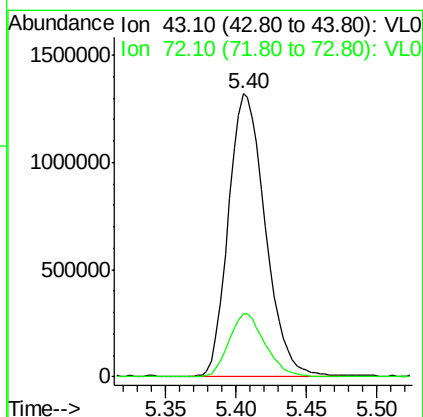
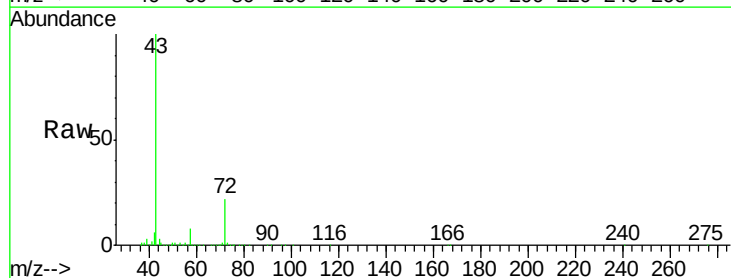
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

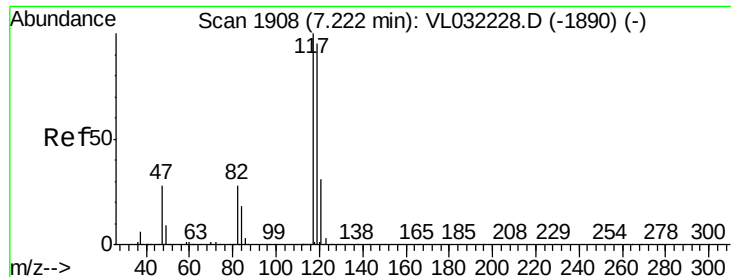
Tgt Ion:114 Resp: 3593069
 Ion Ratio Lower Upper
 114 100
 63 28.3 22.5 33.7
 88 19.1 15.4 23.0



#34
 2-Butanone
 Concen: 9.828 ppbv
 RT: 5.40 min Scan# 1343
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 43 Resp: 2405939
 Ion Ratio Lower Upper
 43 100
 72 22.2 18.1 27.1





#35

Carbon Tetrachloride

Concen: 10.799 ppbv

RT: 7.22 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

BFB

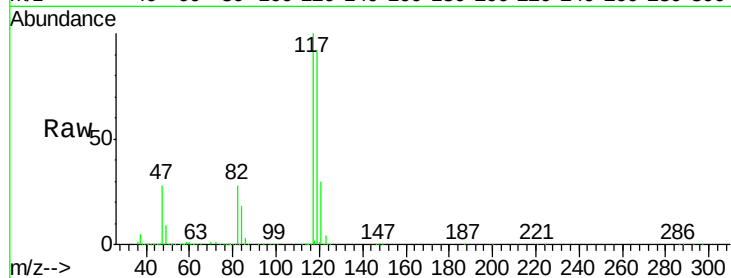
Tgt Ion:117 Resp: 2625926

Ion Ratio Lower Upper

117 100

119 92.2 75.7 113.5

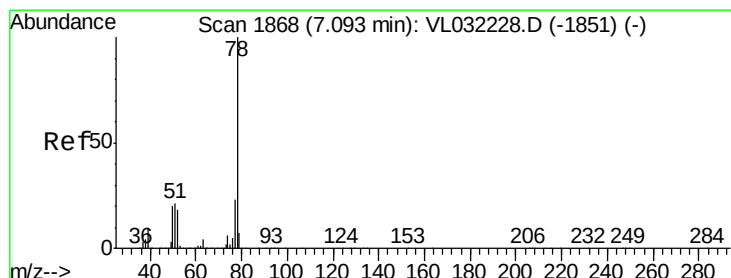
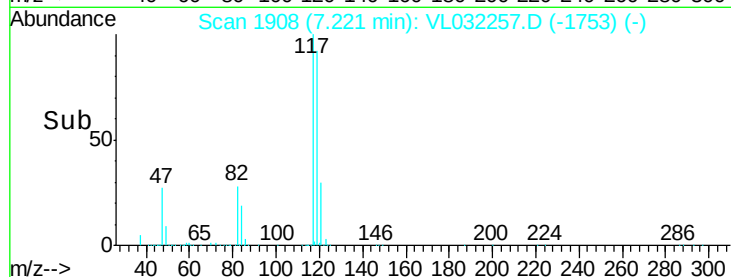
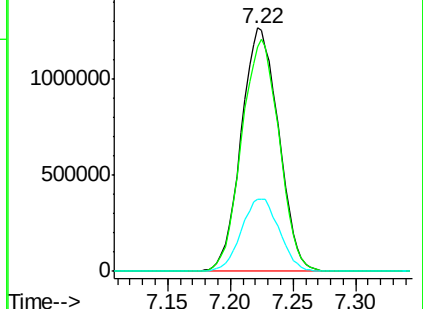
121 29.7 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.896 ppbv

RT: 7.09 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

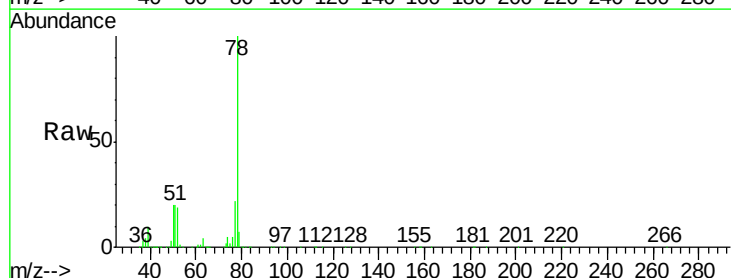
Tgt Ion: 78 Resp: 3533943

Ion Ratio Lower Upper

78 100

77 22.2 18.0 27.0

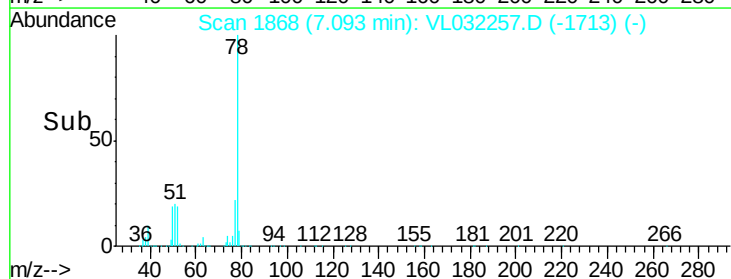
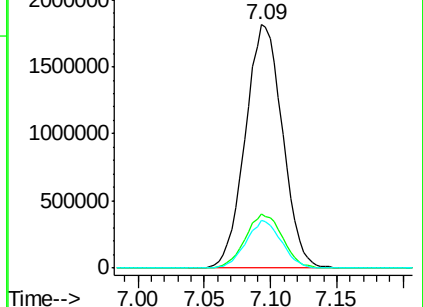
50 19.5 15.8 23.8

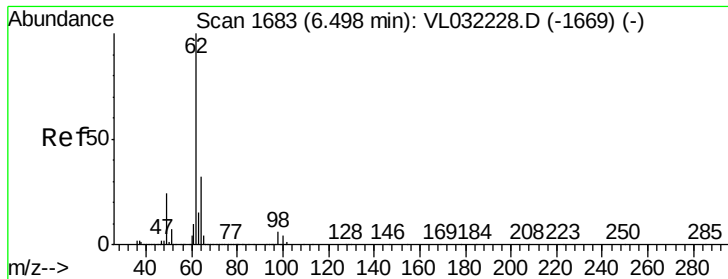


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

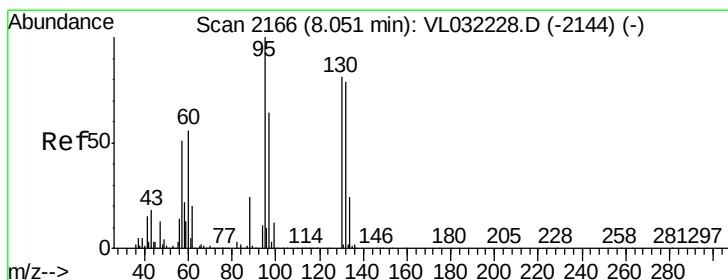
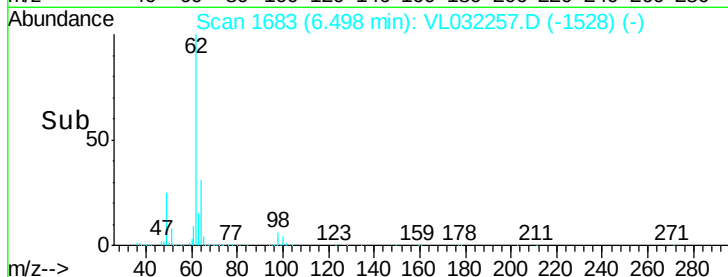
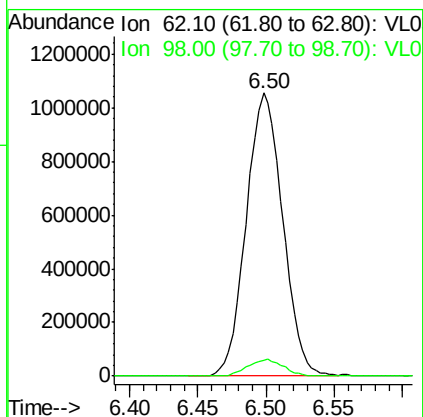
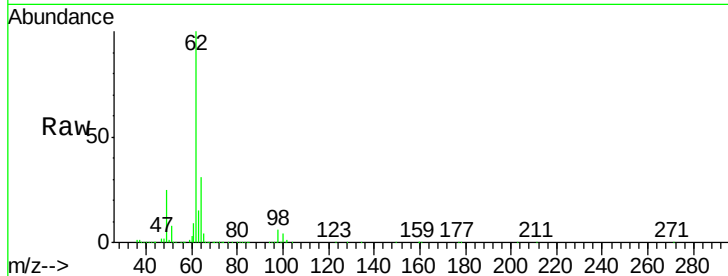




#37
 1,2-Dichloroethane
 Concen: 10.031 ppbv
 RT: 6.50 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

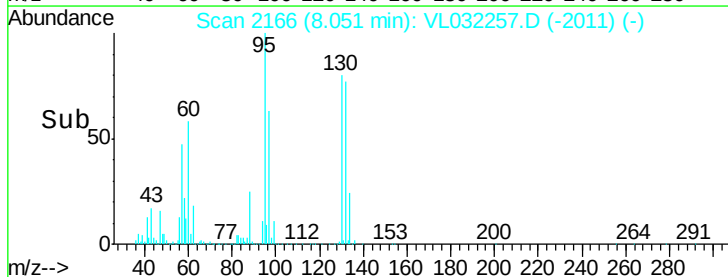
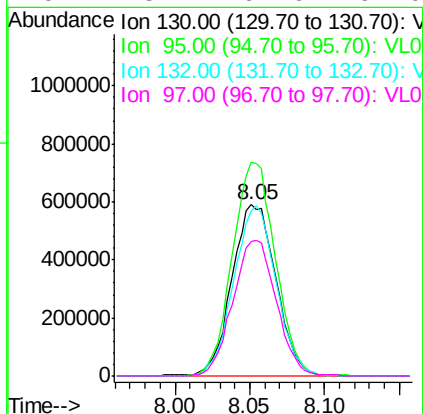
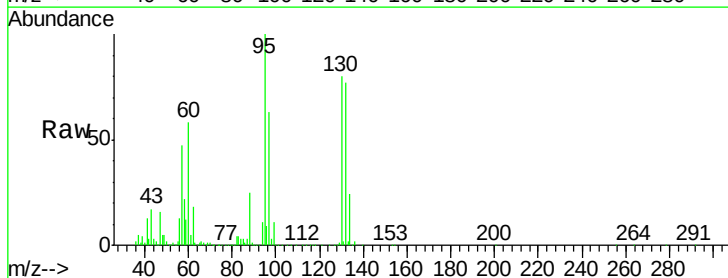
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

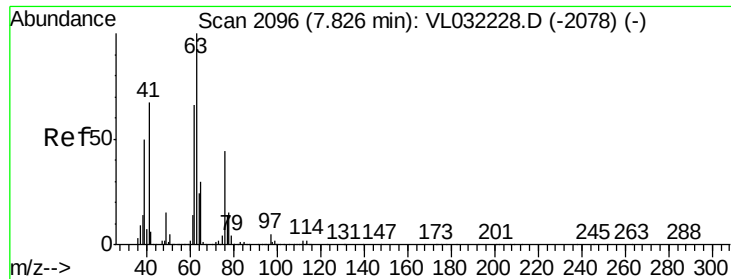
Tgt Ion: 62 Resp: 1961125
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.6 7.0



#38
 Trichloroethene
 Concen: 9.798 ppbv
 RT: 8.05 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 130 Resp: 1200123
 Ion Ratio Lower Upper
 130 100
 95 124.7 98.3 147.5
 132 96.2 78.1 117.1
 97 78.4 62.6 94.0





#39

1,2-Dichloropropane

Concen: 10.800 ppbv

RT: 7.83 min Scan# 2097

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

BFB

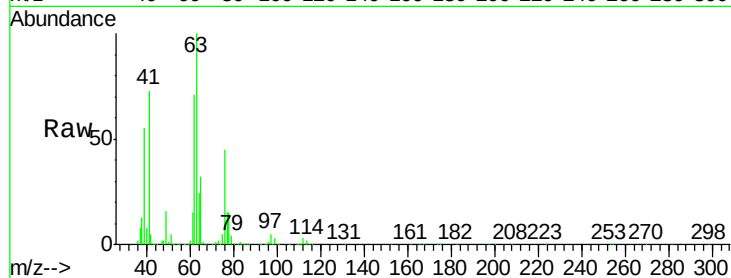
Tgt Ion: 63 Resp: 1532615

Ion Ratio Lower Upper

63 100

41 72.7 53.8 80.6

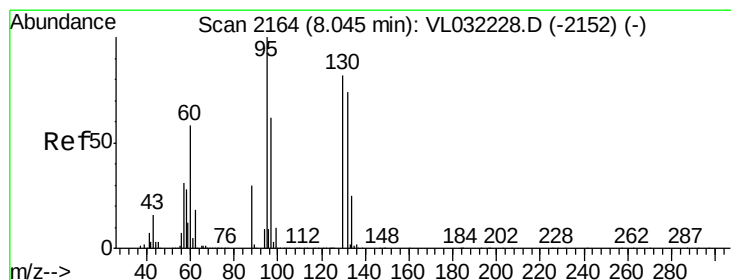
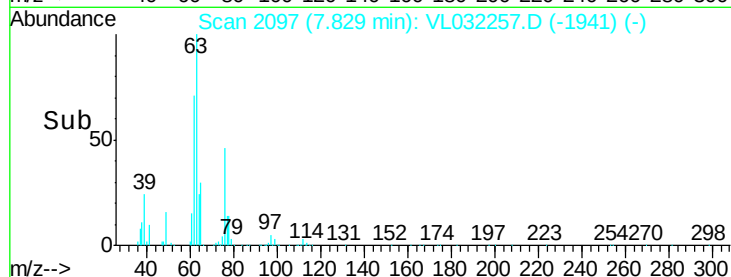
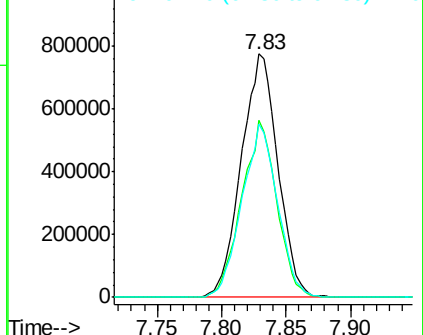
62 71.0 53.1 79.7



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 3.981 ppbv

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Tgt Ion: 88 Resp: 193726

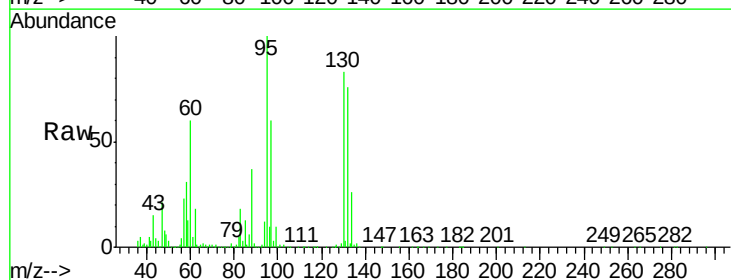
Ion Ratio Lower Upper

88 100

58 350.7 117.4 176.2#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

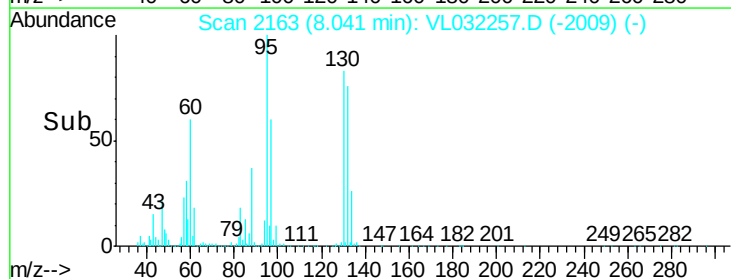
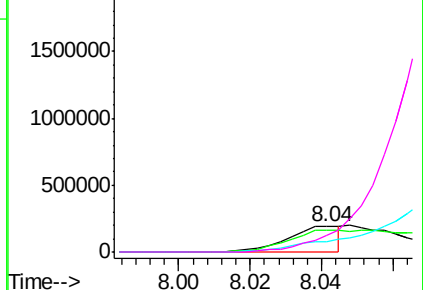


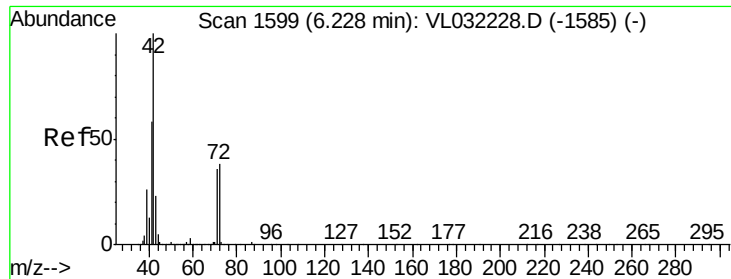
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

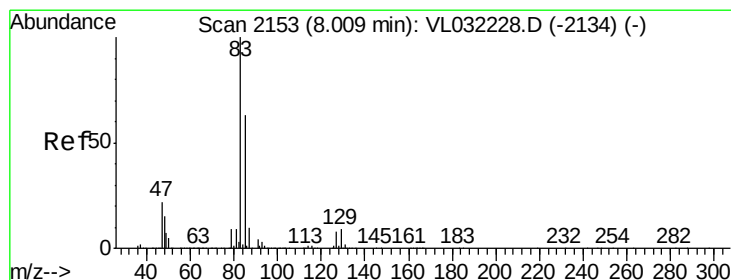
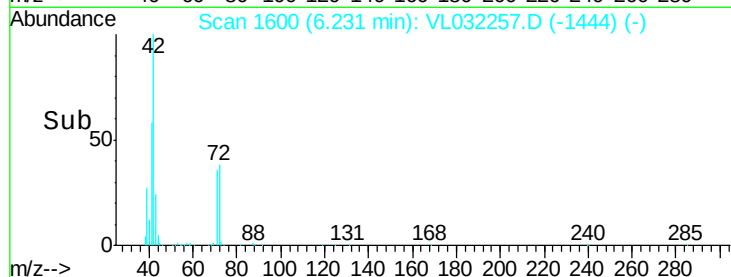
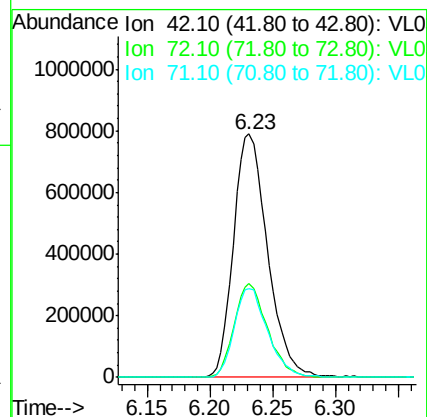
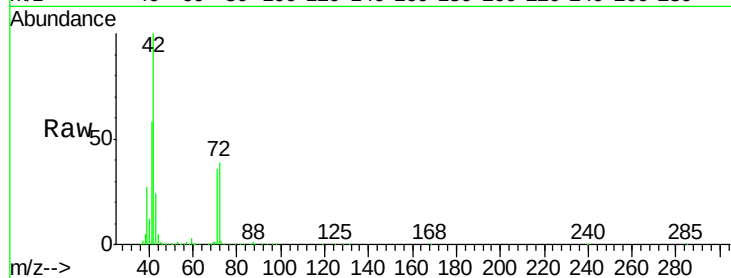




#41
Tetrahydrofuran
Concen: 10.876 ppbv
RT: 6.23 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

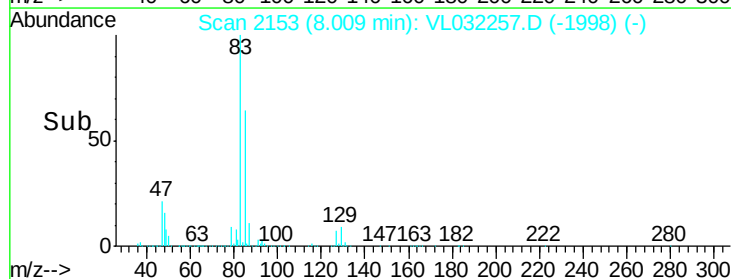
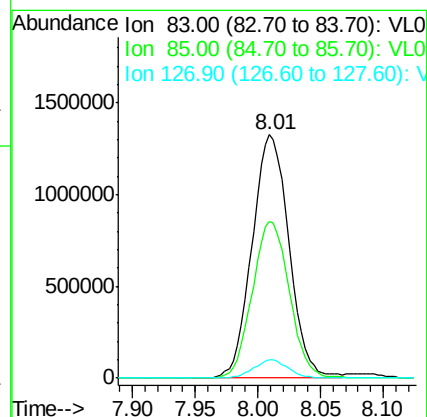
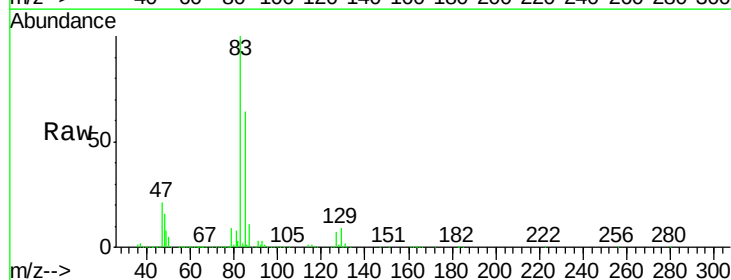
Instrument :
MSVOA_L
ClientSampled :
BFB

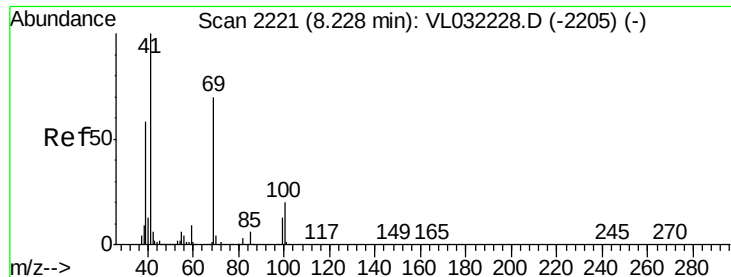
Tgt Ion: 42 Resp: 1489997
Ion Ratio Lower Upper
42 100
72 37.6 30.6 45.8
71 36.1 29.7 44.5



#42
Bromodichloromethane
Concen: 9.758 ppbv
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 83 Resp: 2716303
Ion Ratio Lower Upper
83 100
85 64.3 50.6 76.0
127 7.3 6.1 9.1





#43

Methyl Methacrylate

Concen: 5.653 ppbv

RT: 8.23 min Scan# 2221

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

BFB

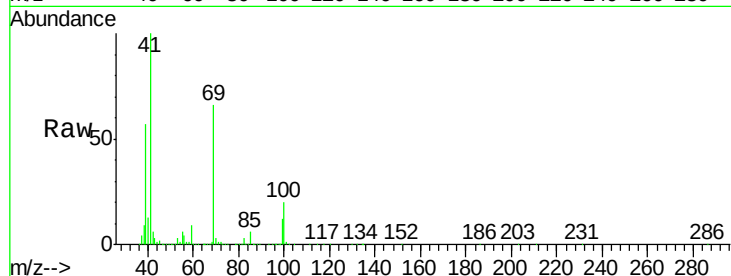
Tgt Ion: 69 Resp: 780019

Ion Ratio Lower Upper

69 100

41 0.0 116.3 174.5#

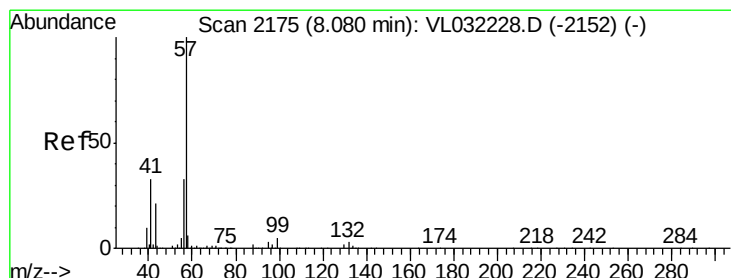
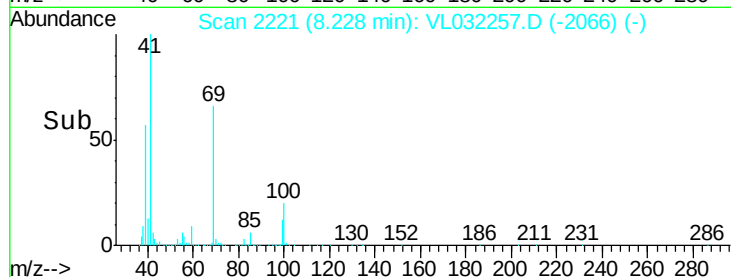
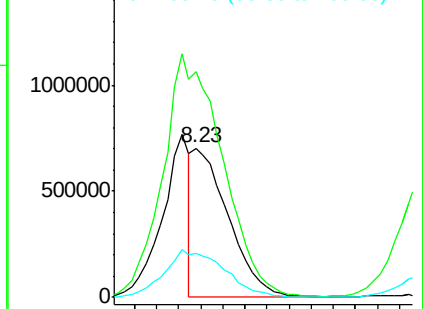
100 0.0 23.8 35.8#



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.360 ppbv

RT: 8.08 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

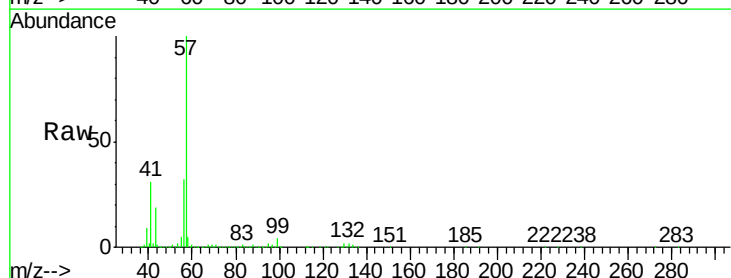
Tgt Ion: 57 Resp: 6362502

Ion Ratio Lower Upper

57 100

41 30.1 24.7 37.1

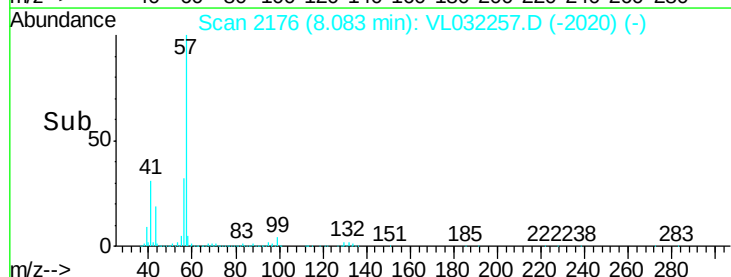
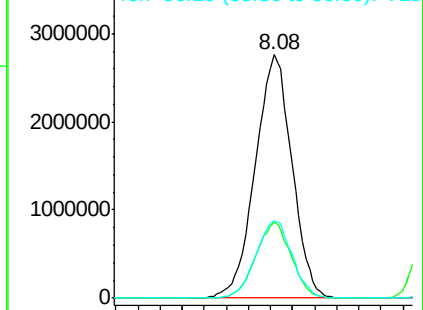
56 31.5 25.4 38.0

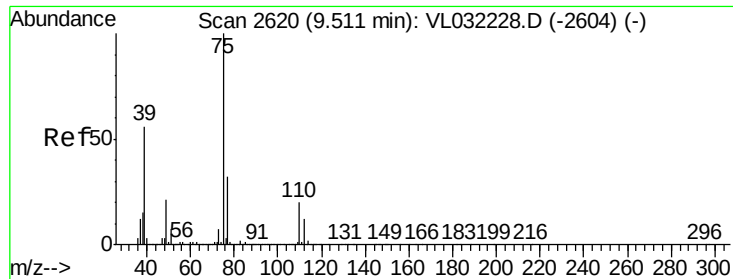


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 13.208 ppbv

RT: 9.51 min Scan# 2619

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

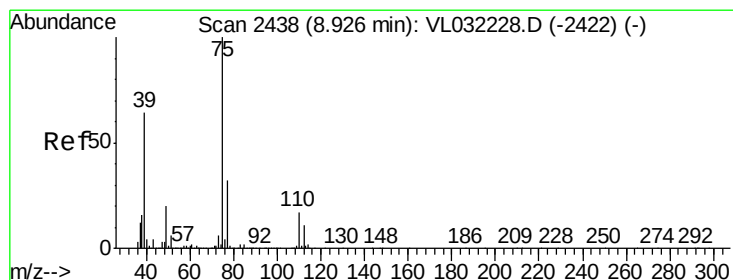
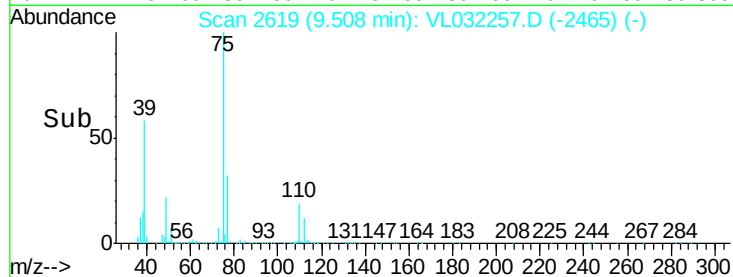
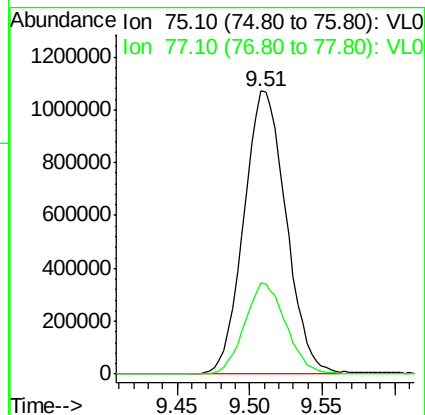
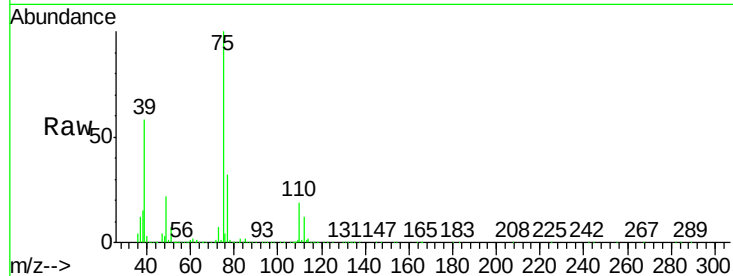
BFB

Tgt Ion: 75 Resp: 2170664

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3



#46

cis-1,3-Dichloropropene

Concen: 11.195 ppbv

RT: 8.93 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

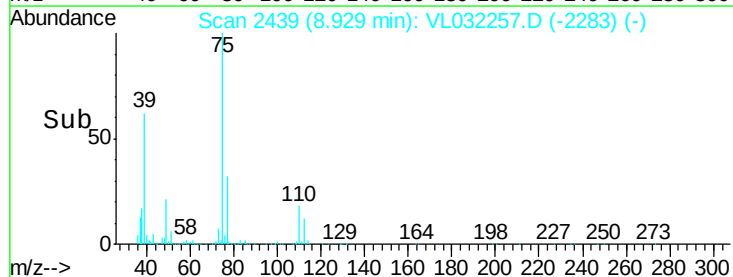
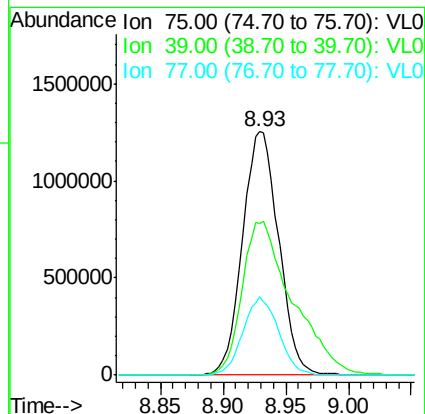
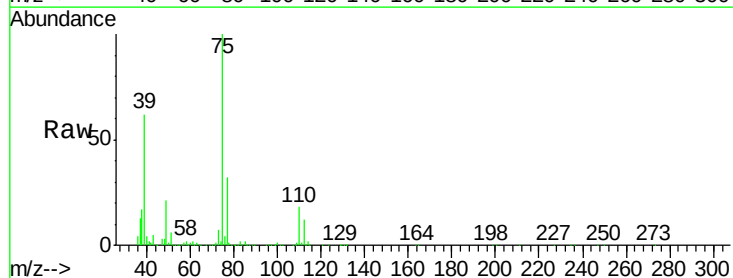
Tgt Ion: 75 Resp: 2509489

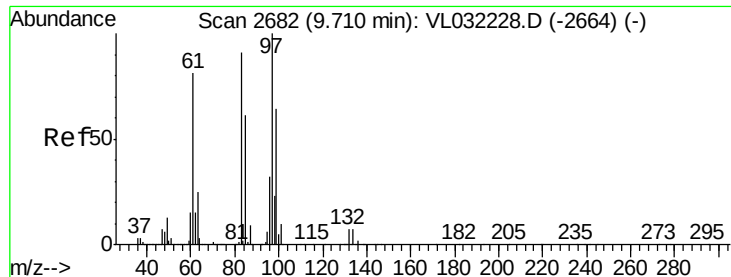
Ion Ratio Lower Upper

75 100

39 62.4 50.9 76.3

77 32.3 25.3 37.9



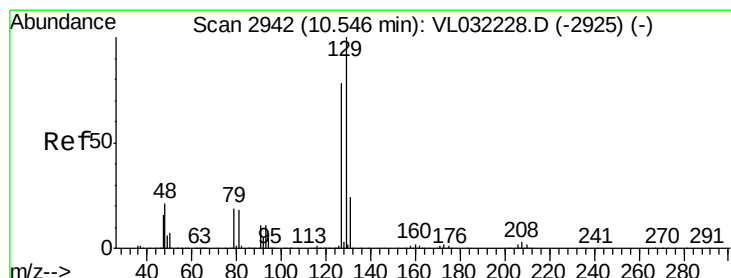
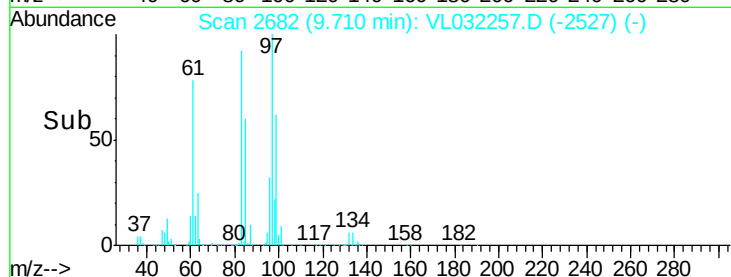
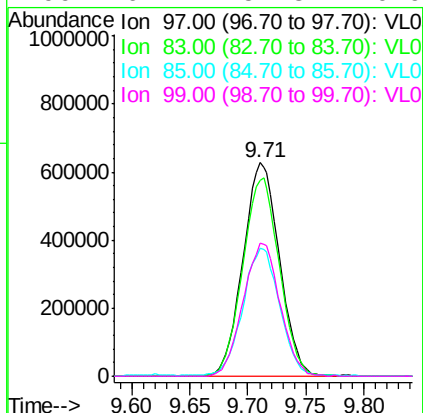
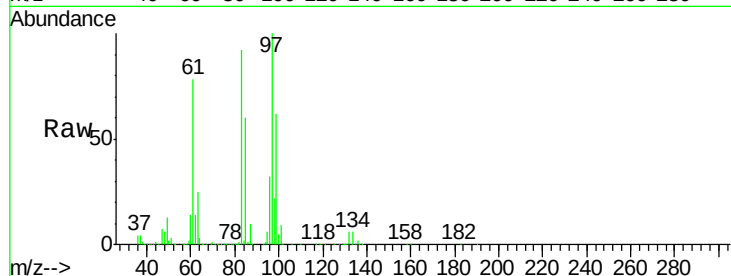


#47
 1,1,2-Trichloroethane
 Concen: 8.652 ppbv
 RT: 9.71 min Scan# 2682
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleID :
 BFB

Tgt Ion: 97 Resp: 1371337

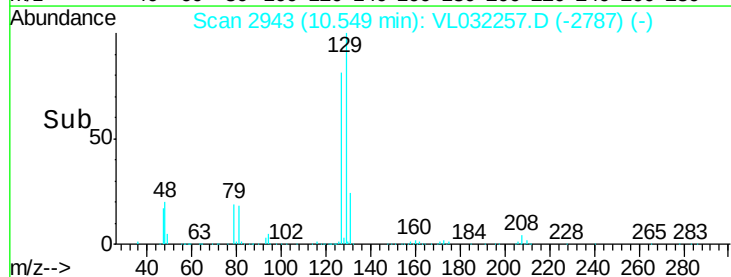
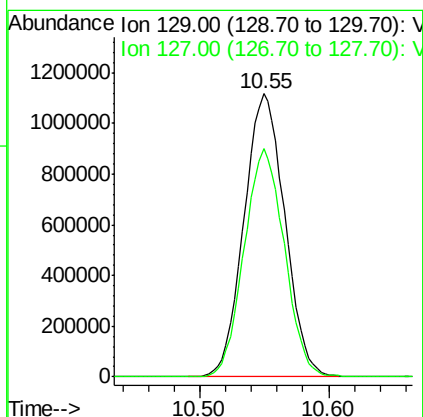
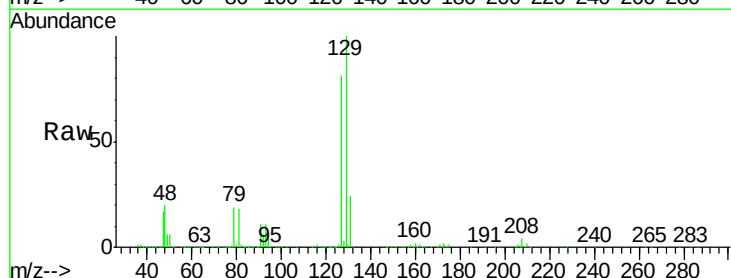
Ion	Ratio	Lower	Upper
97	100		
83	91.9	72.9	109.3
85	59.3	49.3	73.9
99	62.4	51.3	76.9

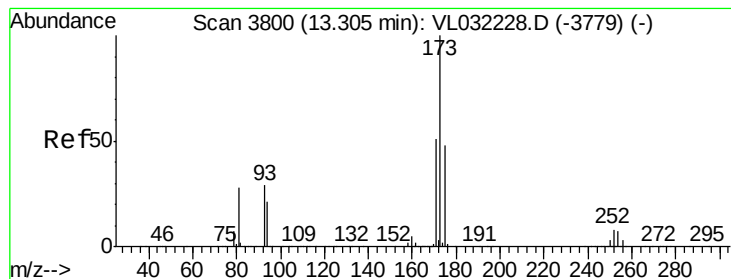


#48
 Dibromochloromethane
 Concen: 10.451 ppbv
 RT: 10.55 min Scan# 2943
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 129 Resp: 2464517

Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.3	117.9





#49

Bromoform

Concen: 10.588 ppbv

RT: 13.30 min Scan# 3800

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

BFB

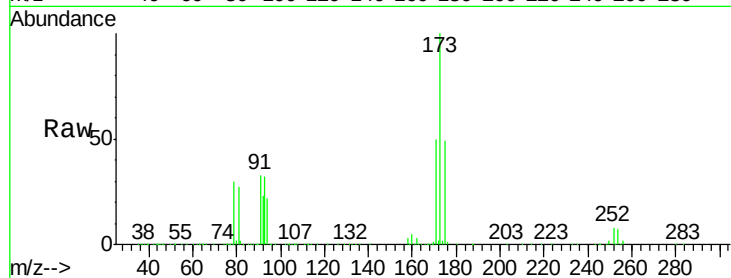
Tgt Ion:173 Resp: 2001432

Ion Ratio Lower Upper

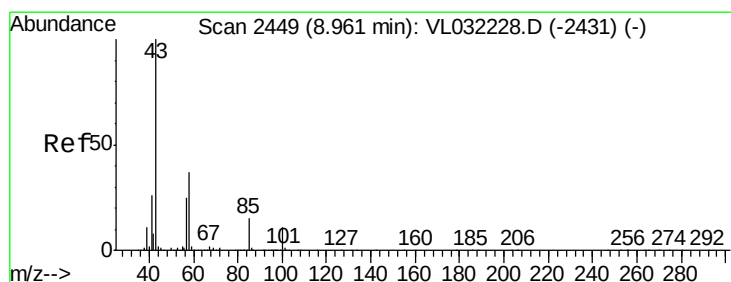
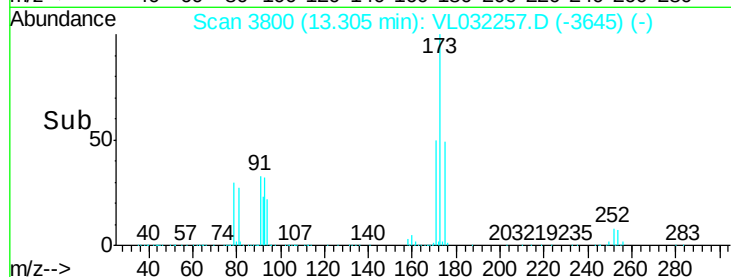
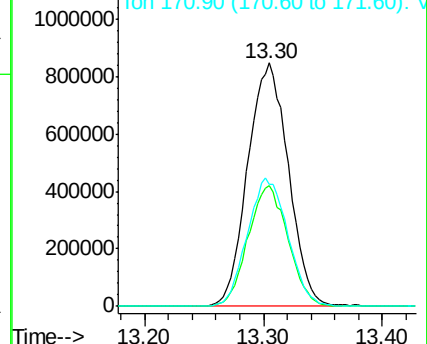
173 100

175 48.8 39.4 59.2

171 52.7 41.8 62.6



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.303 ppbv

RT: 8.96 min Scan# 2449

Delta R.T. -0.00 min

Lab File: VL032257.D

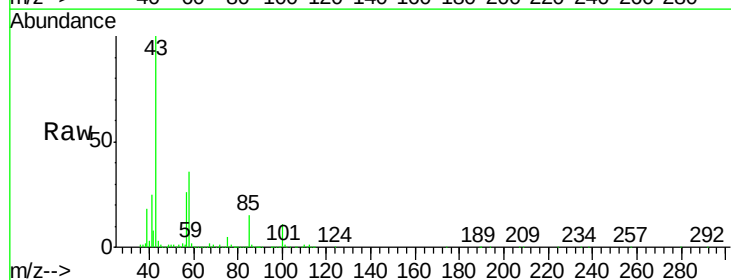
Acq: 13 Jul 2018 22:48

Tgt Ion: 43 Resp: 4363559

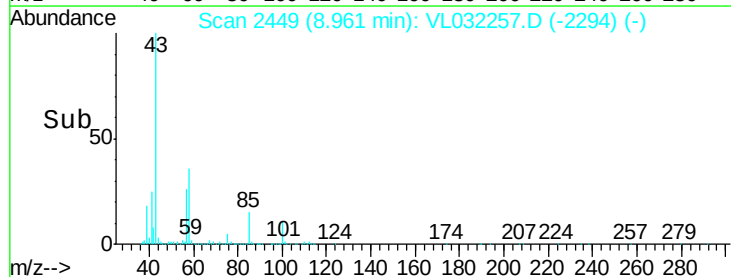
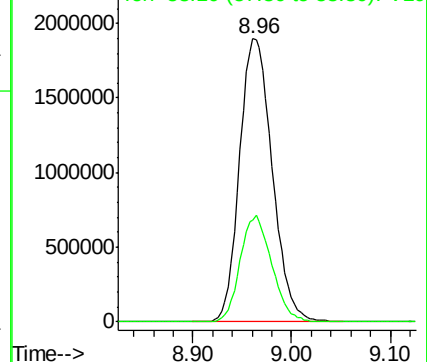
Ion Ratio Lower Upper

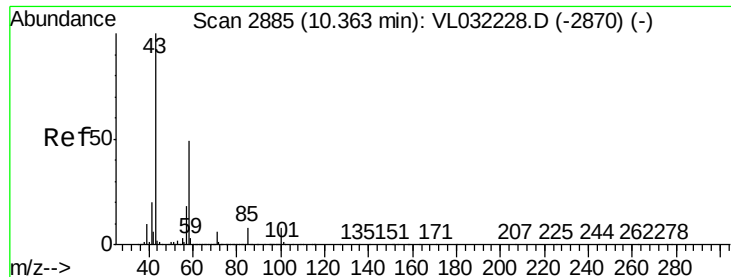
43 100

58 36.4 29.5 44.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

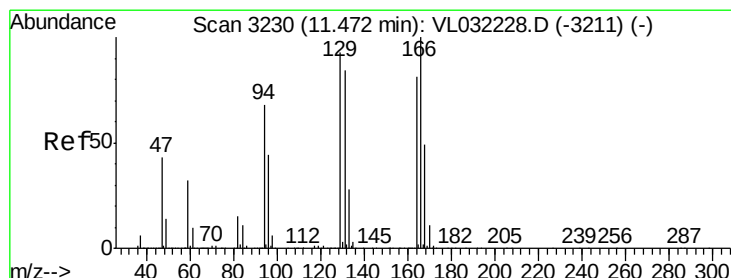
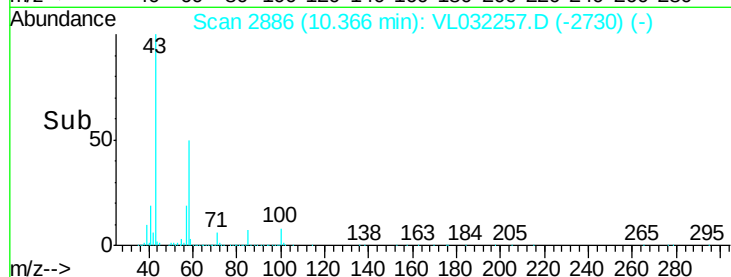
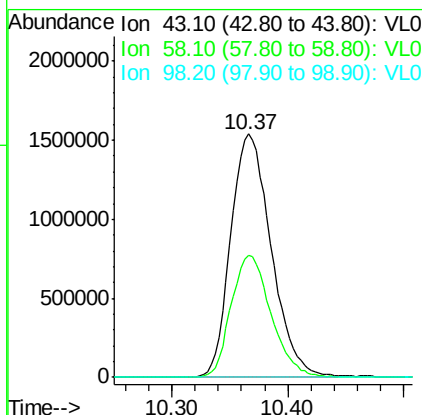
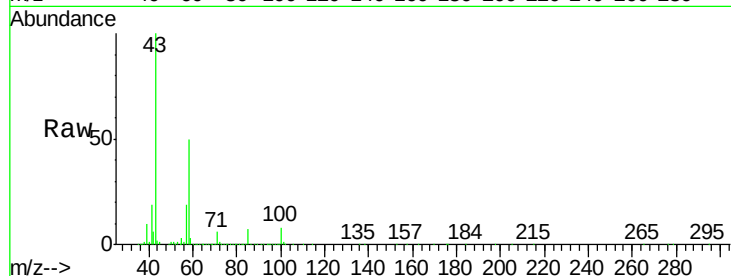




#51
2-Hexanone
Concen: 10.559 ppbv
RT: 10.37 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

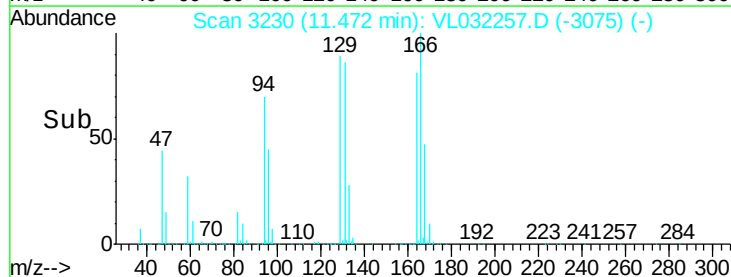
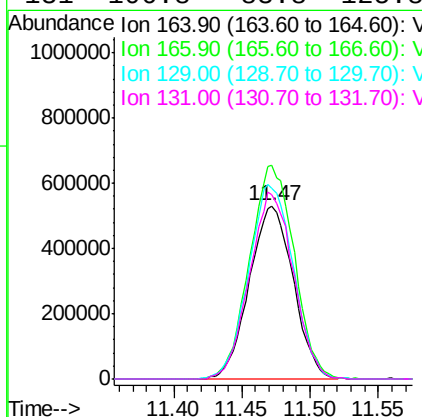
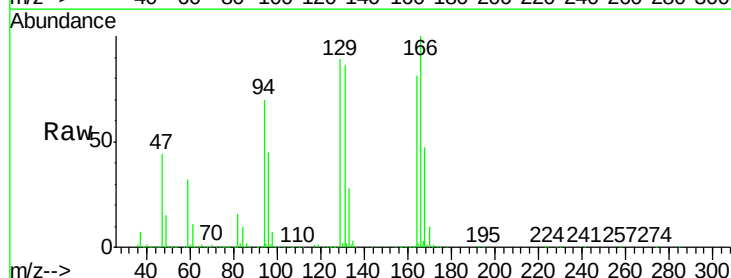
Instrument :
MSVOA_L
ClientSampleId :
BFB

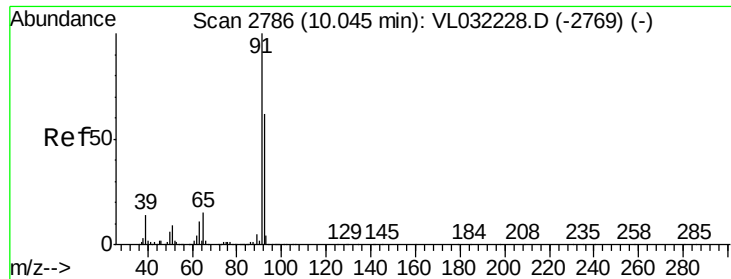
Tgt Ion: 43 Resp: 3734761
Ion Ratio Lower Upper
43 100
58 49.7 39.9 59.9
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 8.978 ppbv
RT: 11.47 min Scan# 3230
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 164 Resp: 1184532
Ion Ratio Lower Upper
164 100
166 123.6 99.3 148.9
129 110.3 92.0 138.0
131 106.8 83.8 125.8





#53

Toluene

Concen: 10.574 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

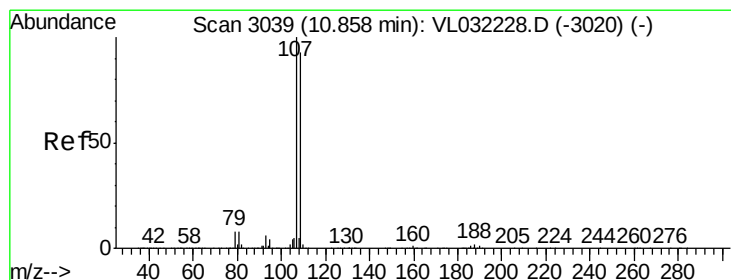
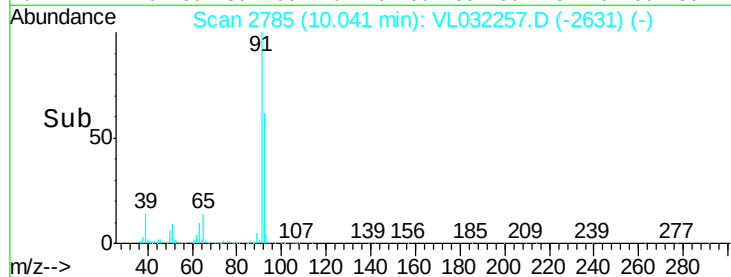
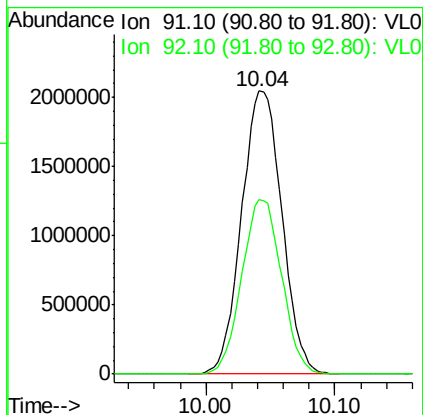
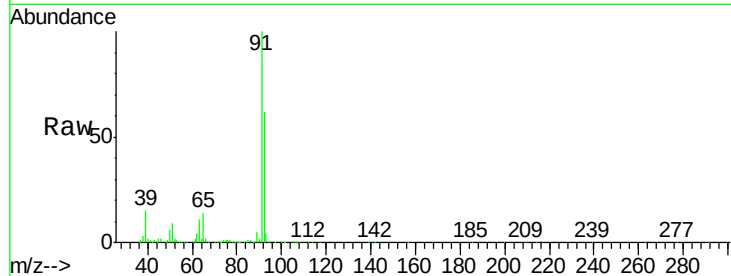
BFB

Tgt Ion: 91 Resp: 4464263

Ion Ratio Lower Upper

91 100

92 61.0 49.0 73.4



#54

1,2-Dibromoethane

Concen: 10.247 ppbv

RT: 10.86 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VL032257.D

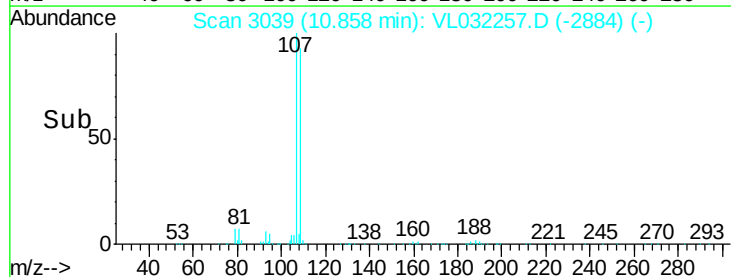
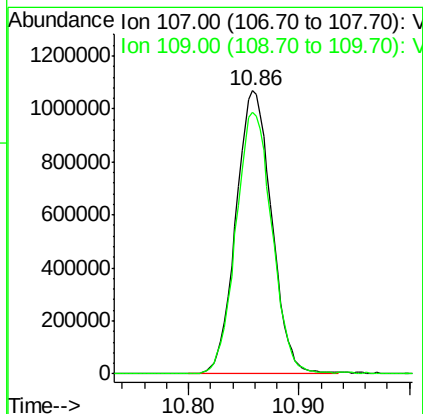
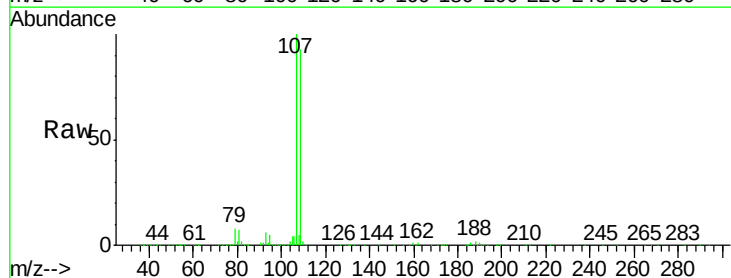
Acq: 13 Jul 2018 22:48

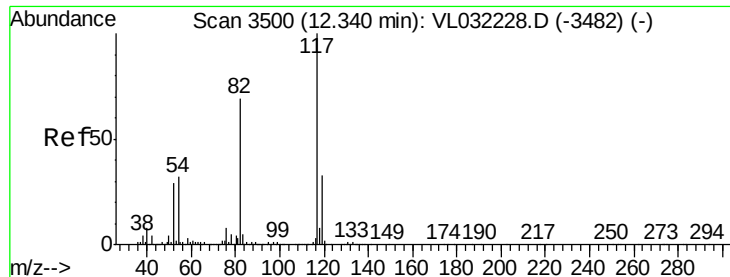
Tgt Ion: 107 Resp: 2397865

Ion Ratio Lower Upper

107 100

109 92.5 74.3 111.5

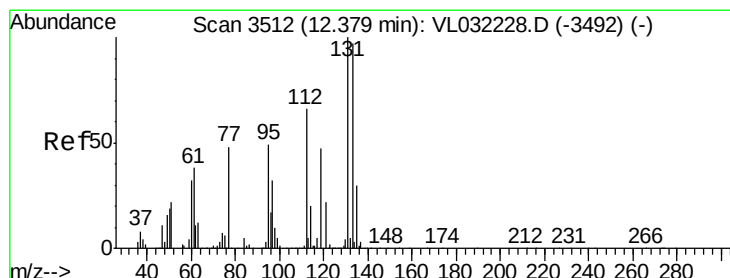
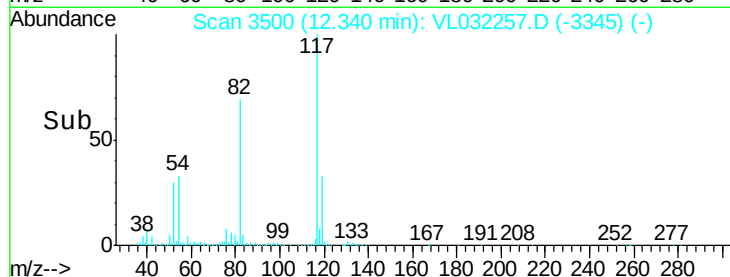
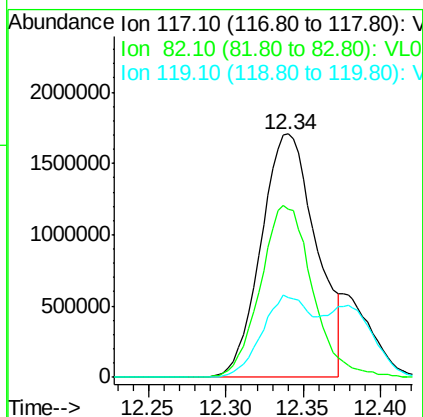
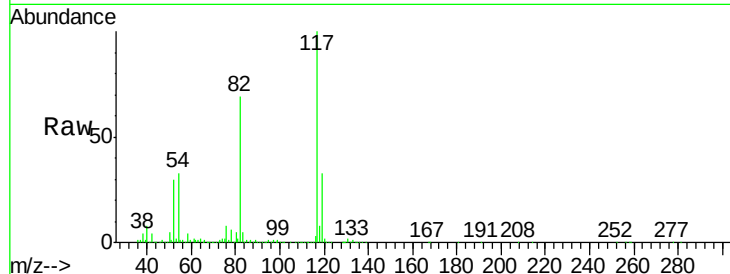




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

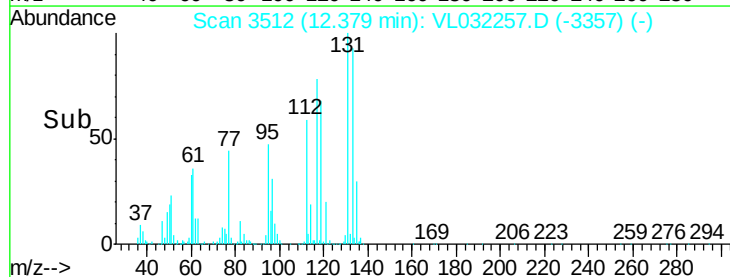
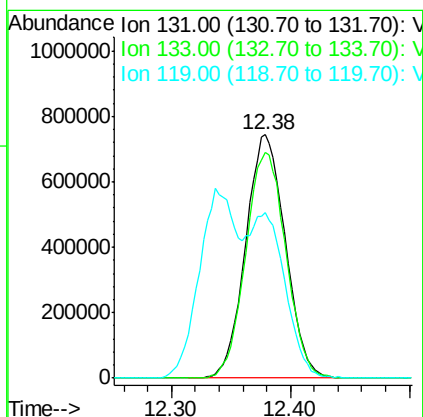
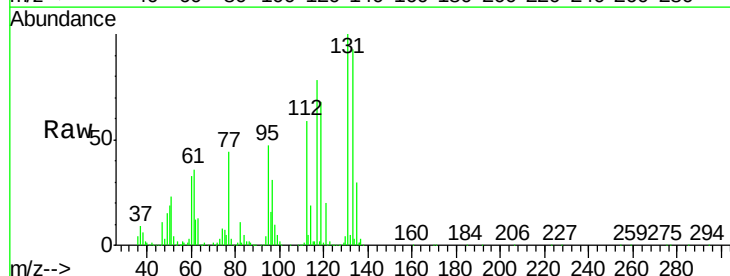
Instrument :
MSVOA_L
ClientSampled :
BFB

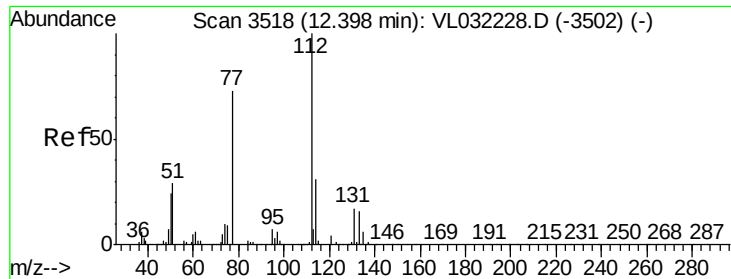
Tgt Ion:117 Resp: 4233664
Ion Ratio Lower Upper
117 100
82 67.2 53.2 79.8
119 30.3 43.9 65.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.321 ppbv
RT: 12.38 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion:131 Resp: 1714207
Ion Ratio Lower Upper
131 100
133 94.3 75.2 112.8
119 63.5 113.9 170.9#

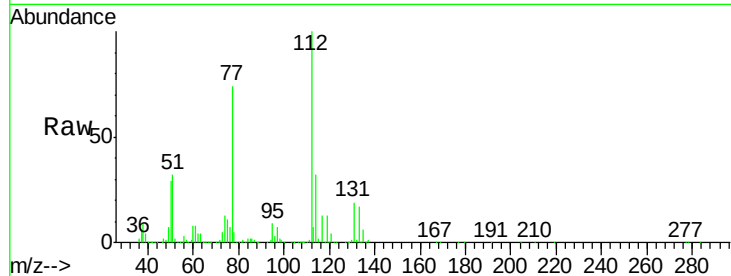




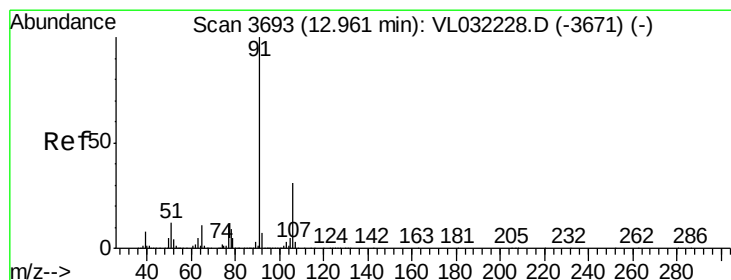
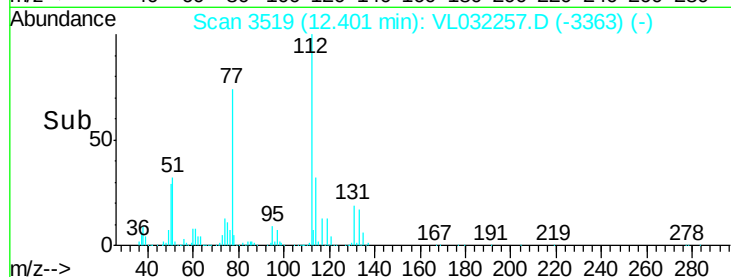
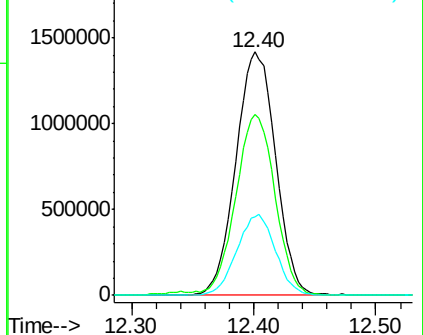
#57
Chlorobenzene
Concen: 8.941 ppbv
RT: 12.40 min Scan# 3519
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 112 Resp: 3199484
Ion Ratio Lower Upper
112 100
77 74.1 58.8 88.2
114 32.4 27.9 34.1

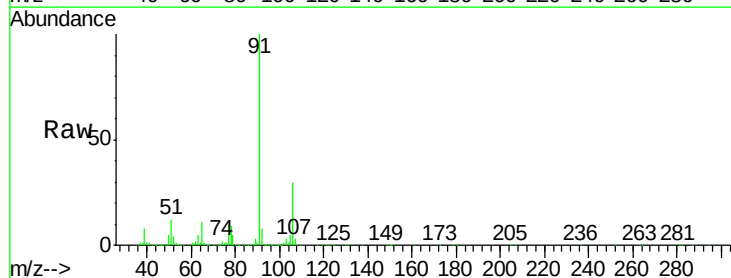


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

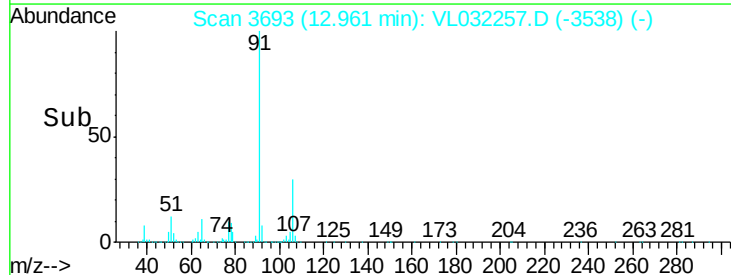
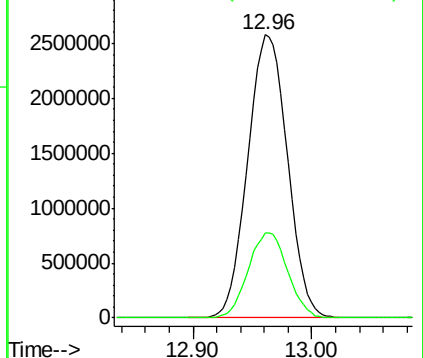


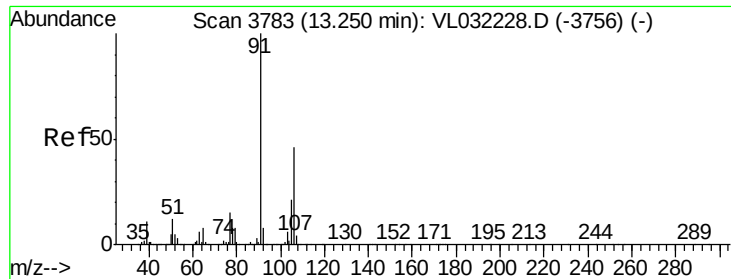
#58
Ethyl Benzene
Concen: 9.675 ppbv
RT: 12.96 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 91 Resp: 5964800
Ion Ratio Lower Upper
91 100
106 29.9 24.5 36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.721 ppbv

RT: 13.25 min Scan# 3782

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

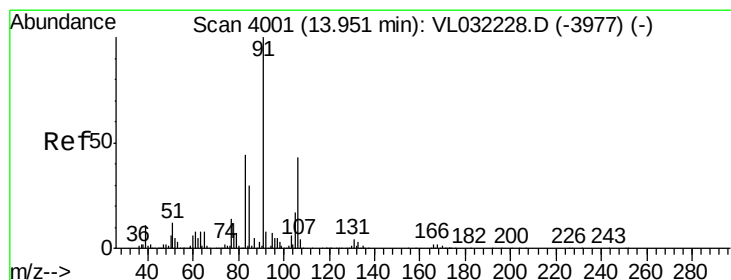
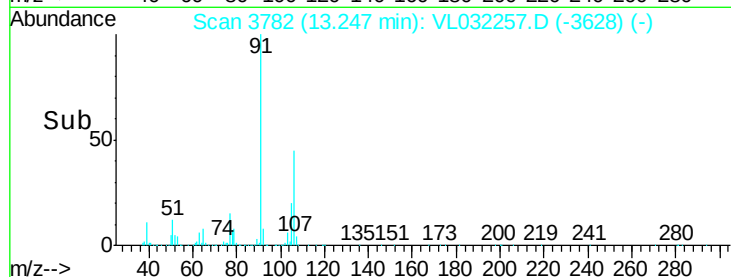
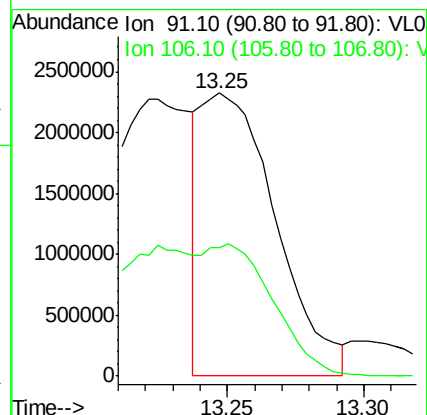
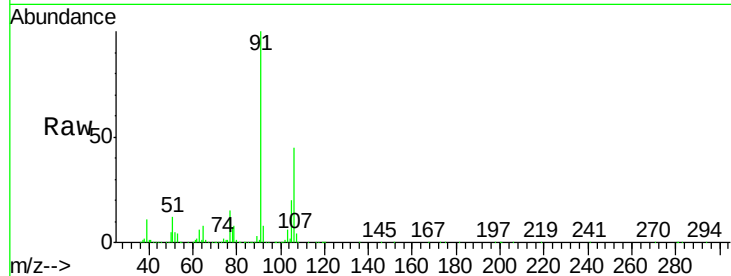
BFB

Tgt Ion: 91 Resp: 4423572

Ion Ratio Lower Upper

91 100

106 97.3 36.4 54.6#



#60

o-Xylene

Concen: 9.273 ppbv

RT: 13.95 min Scan# 4000

Delta R.T. -0.00 min

Lab File: VL032257.D

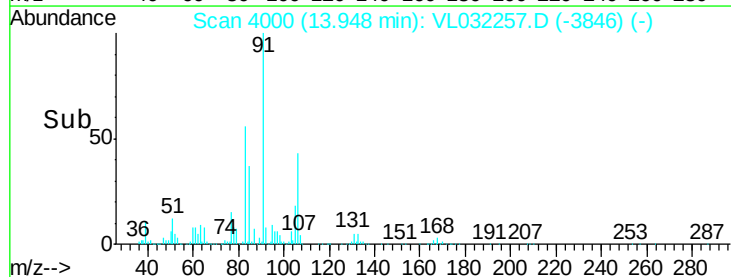
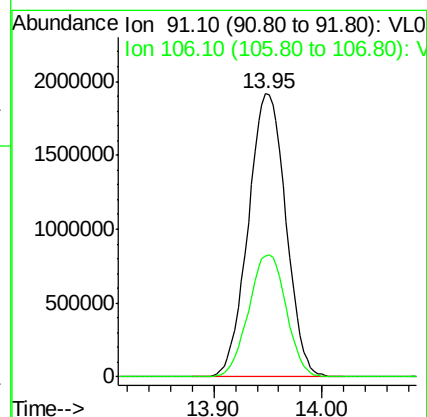
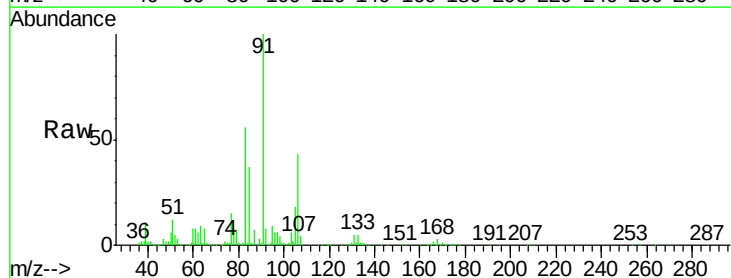
Acq: 13 Jul 2018 22:48

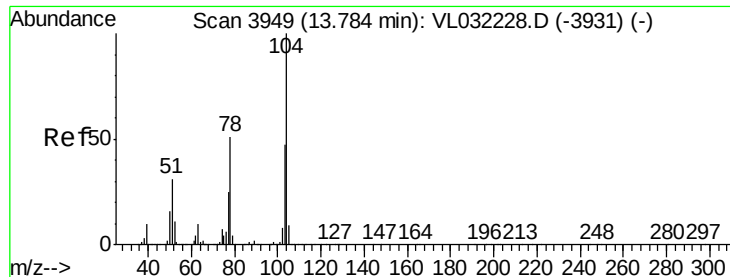
Tgt Ion: 91 Resp: 4641433

Ion Ratio Lower Upper

91 100

106 43.1 21.9 65.5





#61

Styrene

Concen: 10.125 ppbv

RT: 13.78 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampled :

BFB

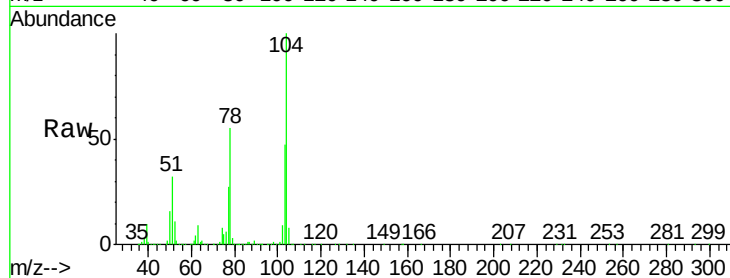
Tgt Ion:104 Resp: 3797415

Ion Ratio Lower Upper

104 100

78 54.5 43.4 65.0

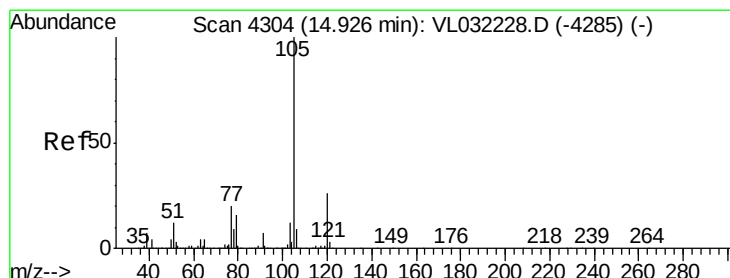
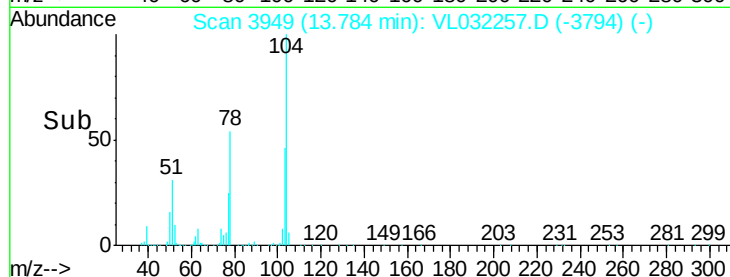
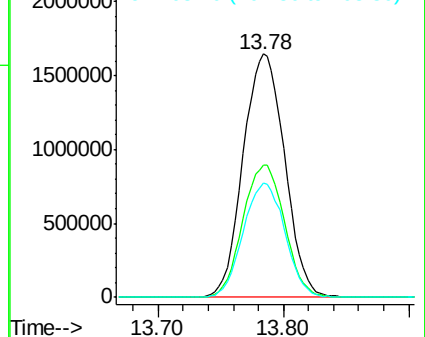
103 47.0 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.213 ppbv

RT: 14.93 min Scan# 4304

Delta R.T. -0.00 min

Lab File: VL032257.D

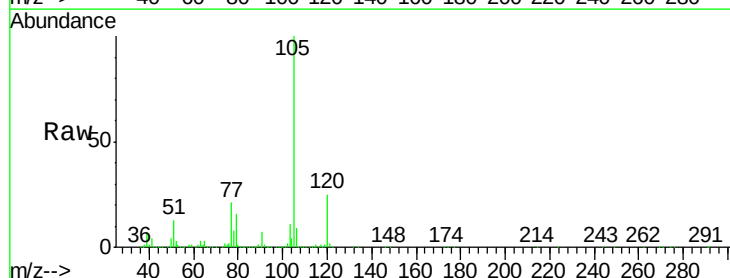
Acq: 13 Jul 2018 22:48

Tgt Ion:105 Resp: 6465891

Ion Ratio Lower Upper

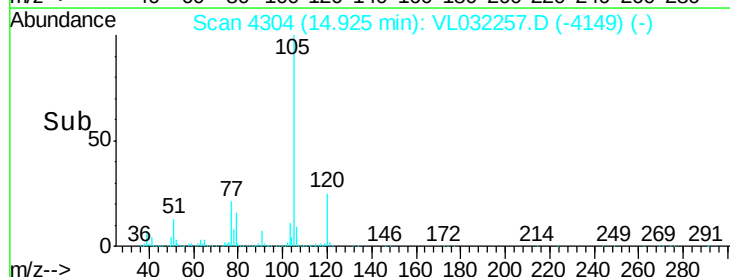
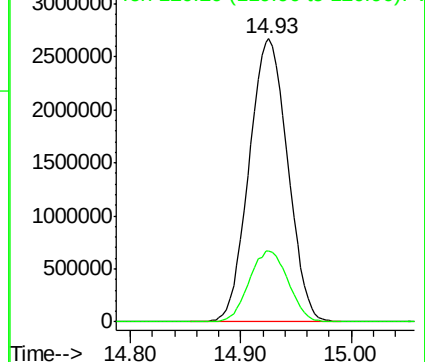
105 100

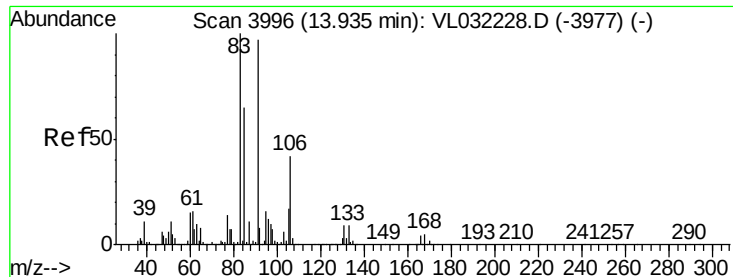
120 25.4 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

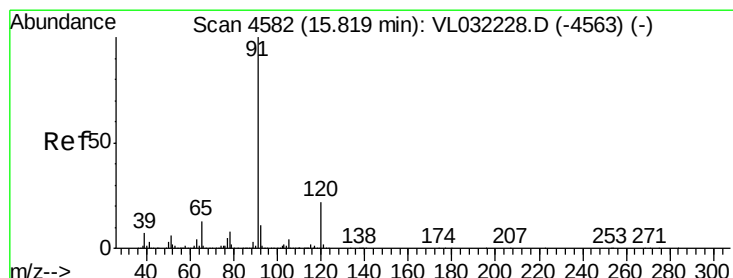
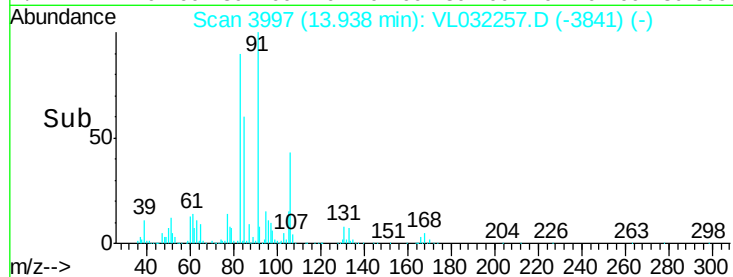
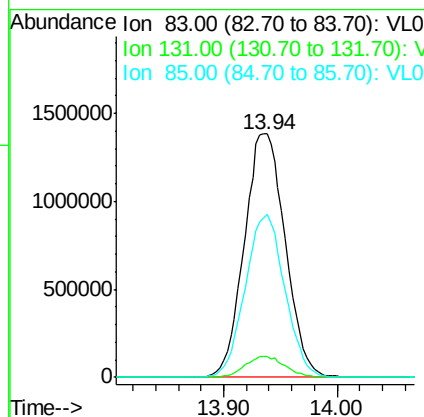
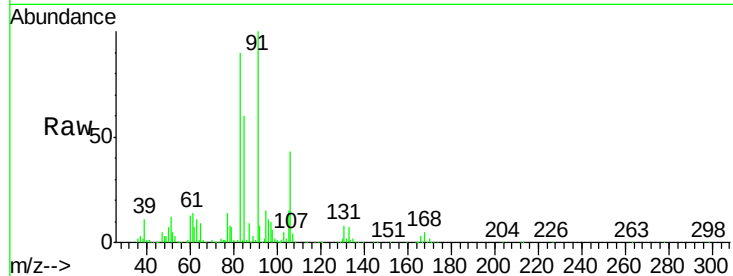




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.531 ppbv
 RT: 13.94 min Scan# 3997
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

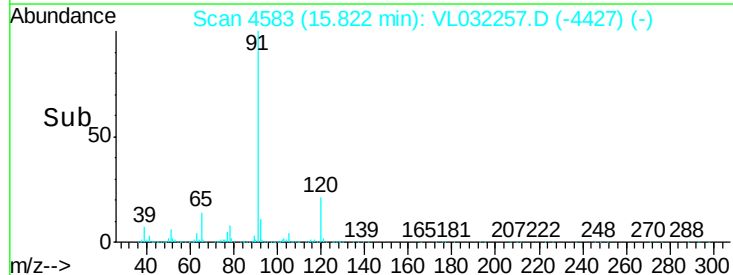
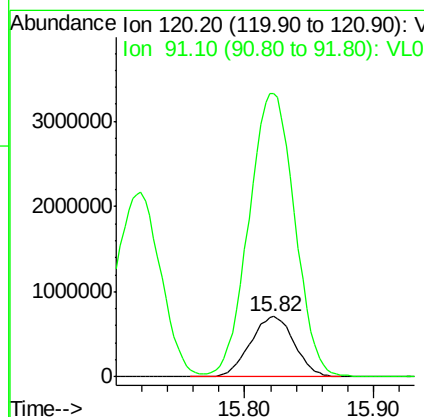
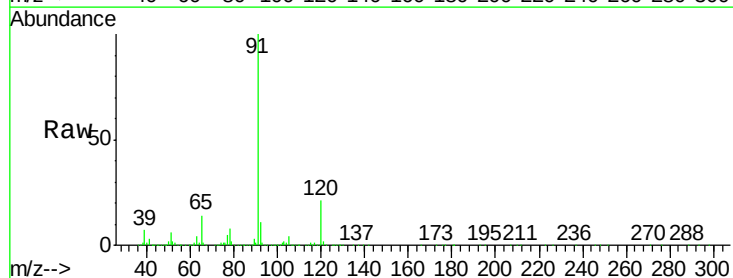
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

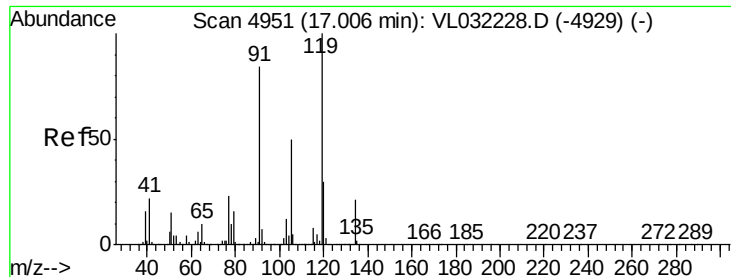
Tgt Ion: 83 Resp: 3473742
 Ion Ratio Lower Upper
 83 100
 131 8.4 4.3 12.8
 85 64.8 32.5 97.5



#64
 n-propylbenzene
 Concen: 9.520 ppbv
 RT: 15.82 min Scan# 4583
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 120 Resp: 1691404
 Ion Ratio Lower Upper
 120 100
 91 486.3 385.0 577.4

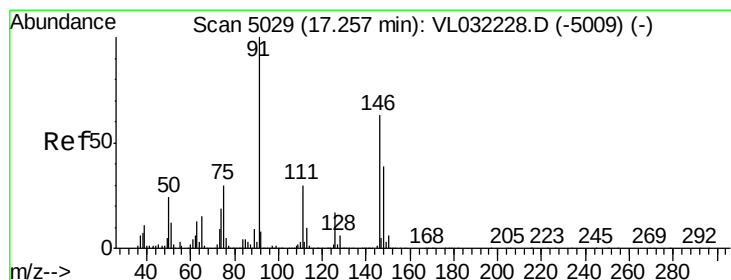
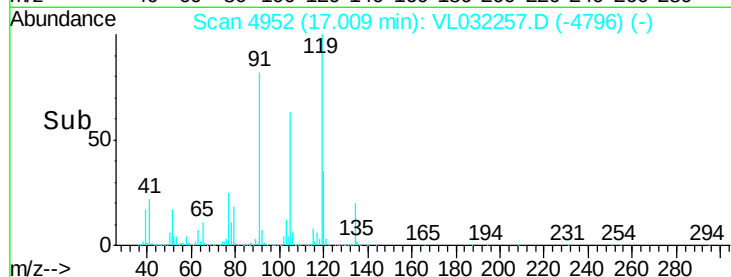
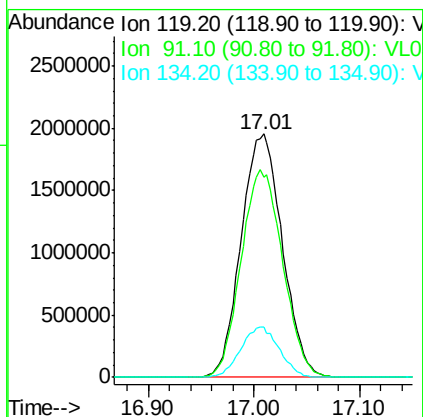
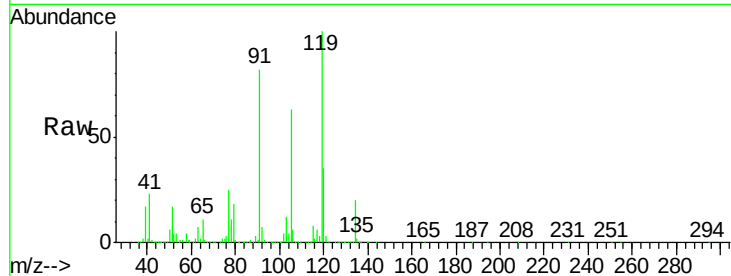




#65
 tert-Butylbenzene
 Concen: 9.026 ppbv
 RT: 17.01 min Scan# 4952
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

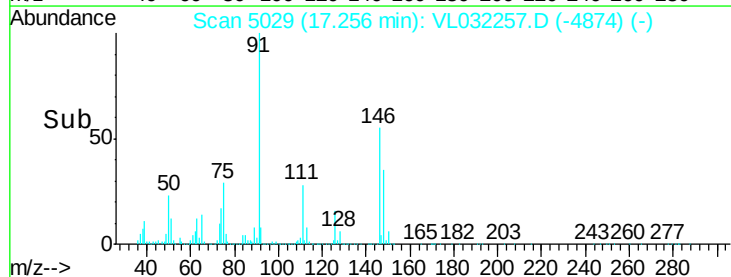
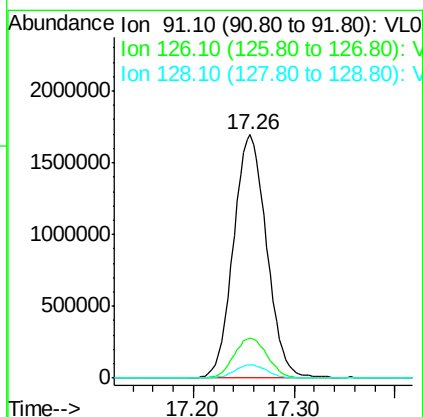
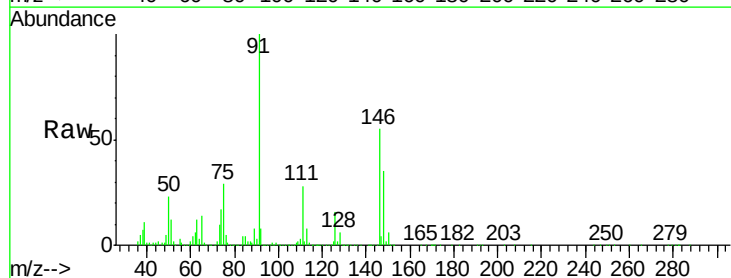
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

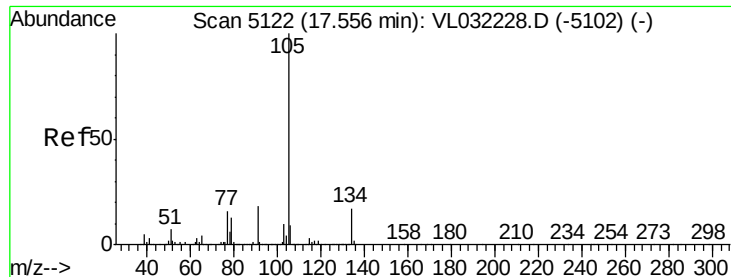
Tgt Ion: 119 Resp: 5306284
 Ion Ratio Lower Upper
 119 100
 91 86.2 68.6 102.8
 134 19.5 15.4 23.2



#66
 Benzyl Chloride
 Concen: 12.983 ppbv
 RT: 17.26 min Scan# 5029
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 91 Resp: 3862813
 Ion Ratio Lower Upper
 91 100
 126 16.7 13.4 20.0
 128 5.5 4.5 6.7





#67

sec-Butylbenzene

Concen: 9.325 ppbv

RT: 17.56 min Scan# 5123

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

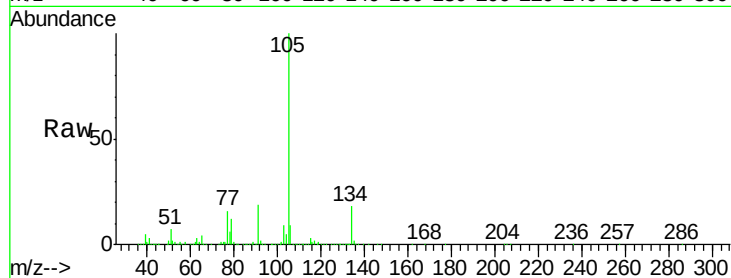
BFB

Tgt Ion:105 Resp: 8010013

Ion Ratio Lower Upper

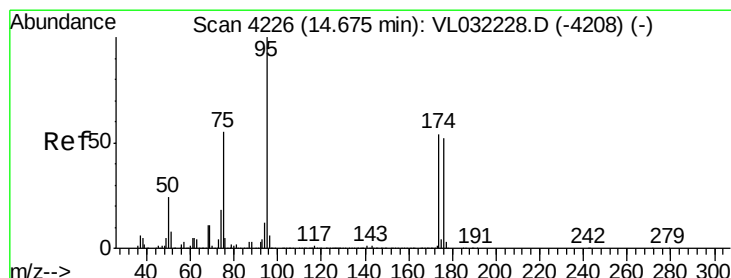
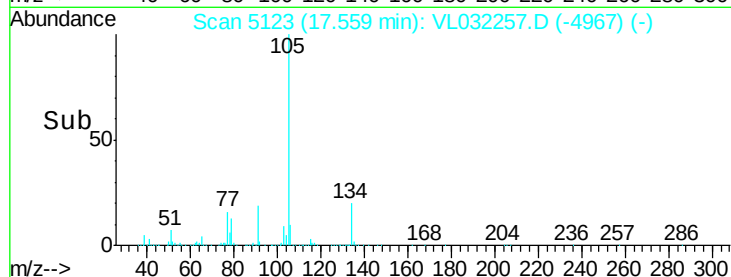
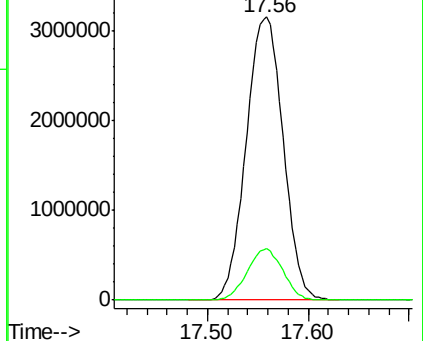
105 100

134 17.6 14.2 21.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.802 ppbv

RT: 14.68 min Scan# 4227

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

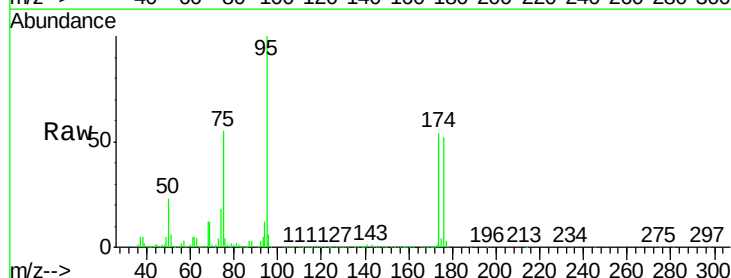
Tgt Ion: 95 Resp: 3212306

Ion Ratio Lower Upper

95 100

174 55.2 44.6 67.0

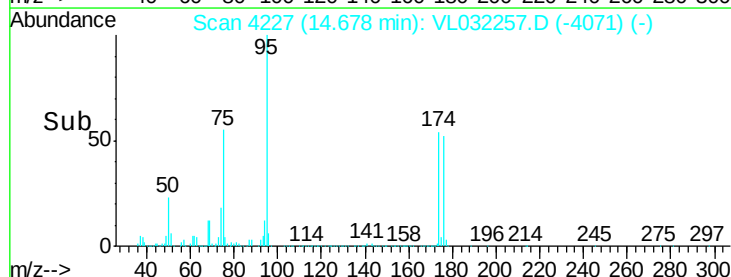
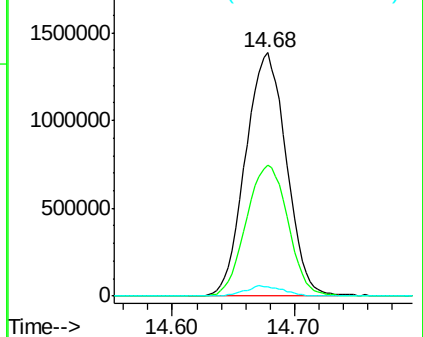
175 4.0 3.3 4.9

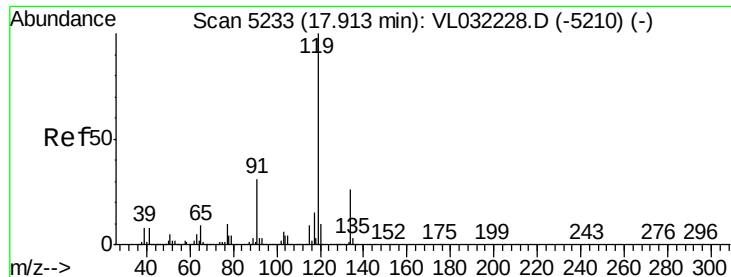


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

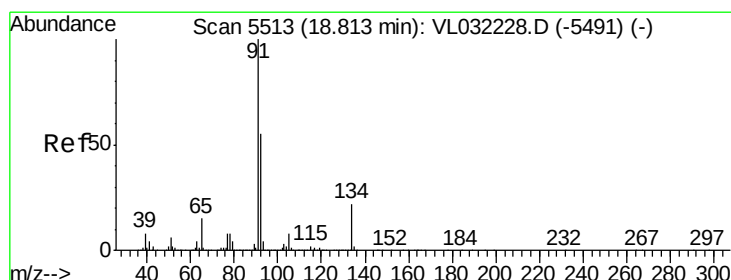
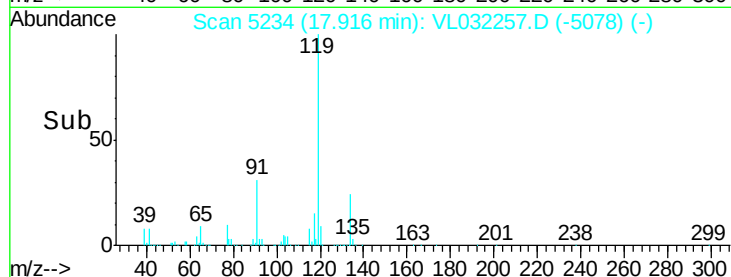
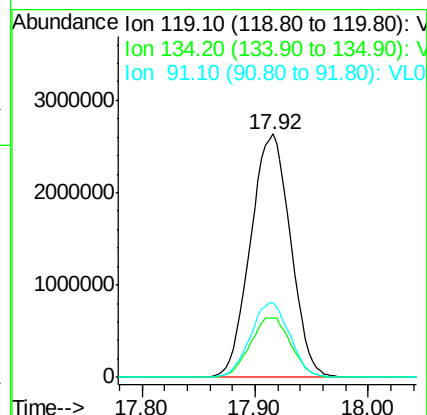
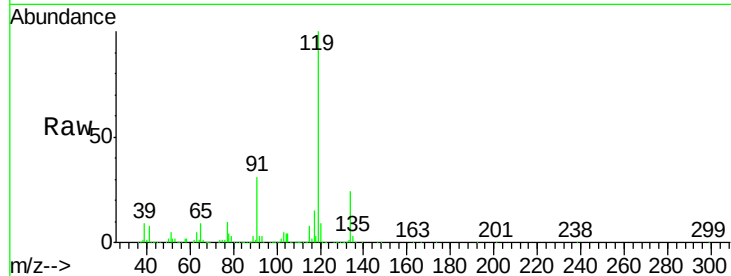




#69
p-Isopropyltoluene
Concen: 9.672 ppbv
RT: 17.92 min Scan# 5234
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

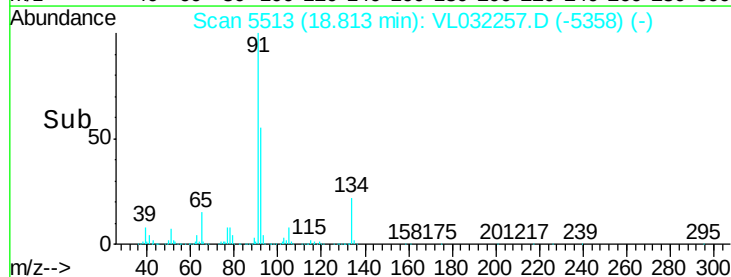
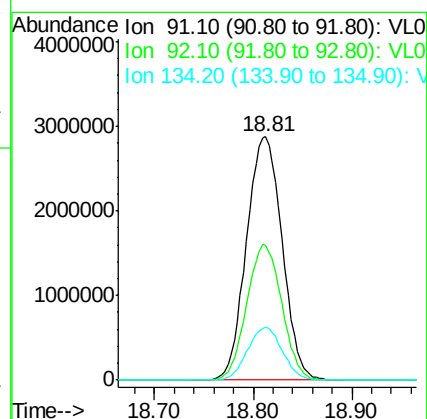
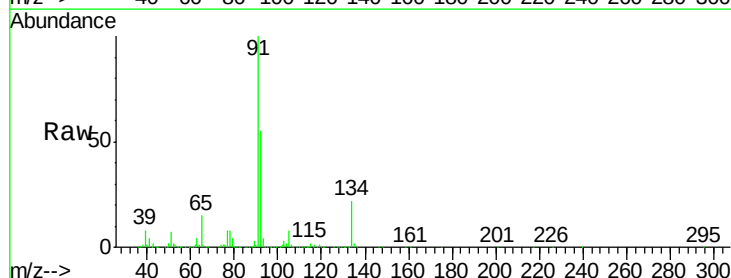
Instrument :
MSVOA_L
ClientSampleId :
BFB

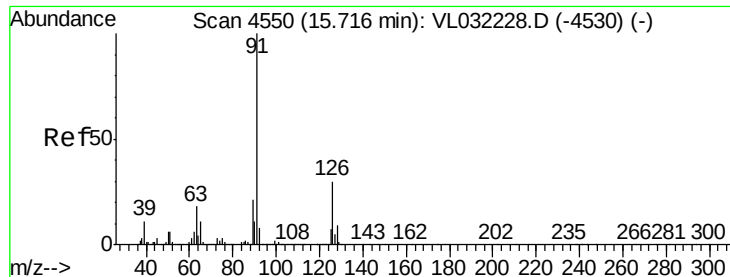
Tgt Ion: 119 Resp: 6469376
Ion Ratio Lower Upper
119 100
134 24.8 20.1 30.1
91 30.3 24.2 36.2



#70
n-Butylbenzene
Concen: 9.711 ppbv
RT: 18.81 min Scan# 5513
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 91 Resp: 7174916
Ion Ratio Lower Upper
91 100
92 54.7 43.6 65.4
134 21.2 17.1 25.7





#71

2-Chlorotoluene

Concen: 9.492 ppbv

RT: 15.72 min Scan# 4551

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampled :

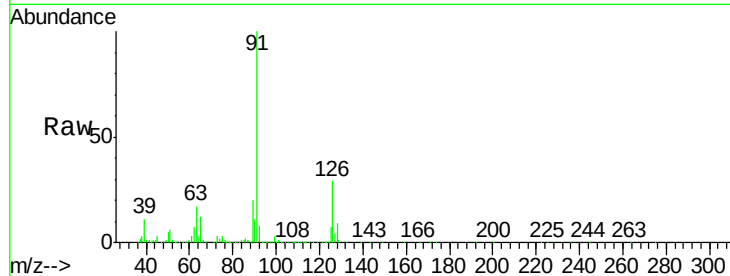
BFB

Tgt Ion: 91 Resp: 5242937

Ion Ratio Lower Upper

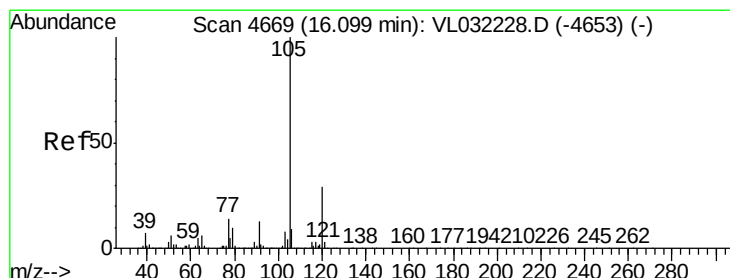
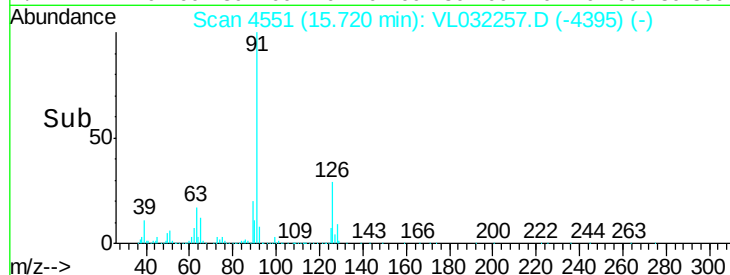
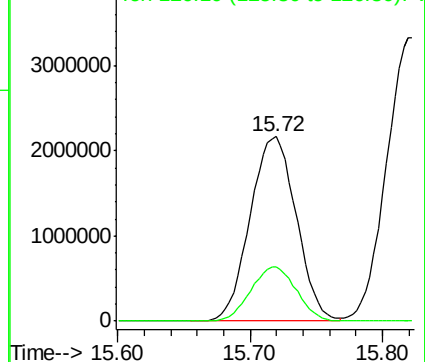
91 100

126 29.1 11.7 46.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.881 ppbv

RT: 16.10 min Scan# 4668

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Tgt Ion: 105 Resp: 5549351

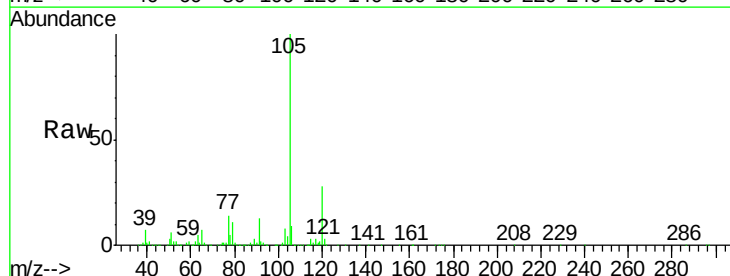
Ion Ratio Lower Upper

105 100

120 28.8 23.3 34.9

91 12.8 10.3 15.5

77 15.0 11.5 17.3

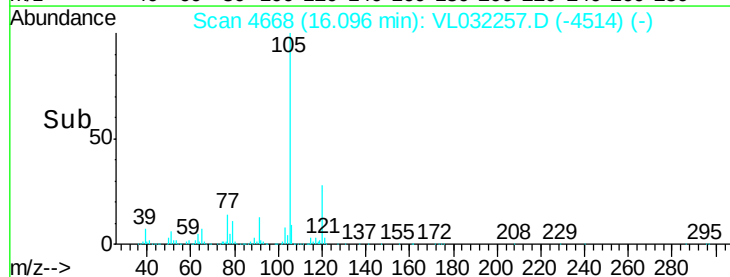
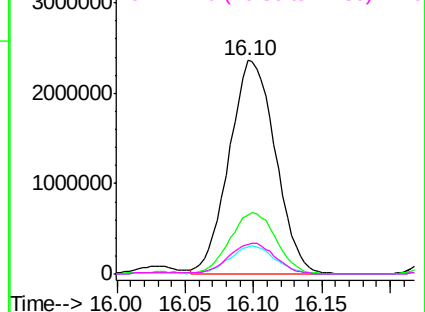


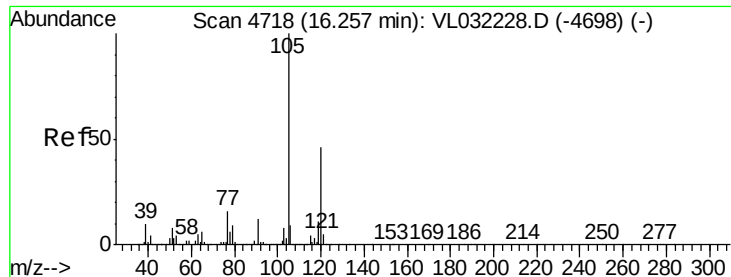
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 10.135 ppbv

RT: 16.26 min Scan# 4718

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

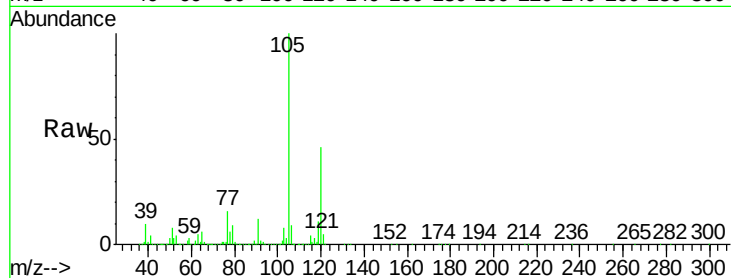
BFB

Tgt Ion:105 Resp: 5292816

Ion Ratio Lower Upper

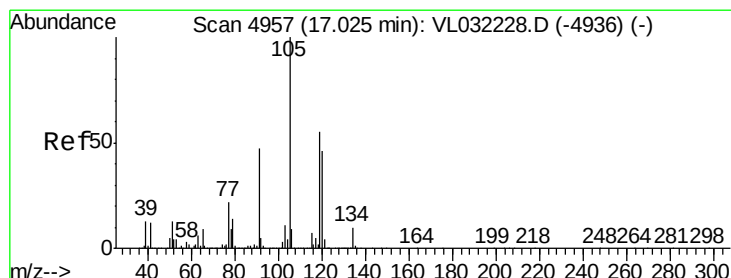
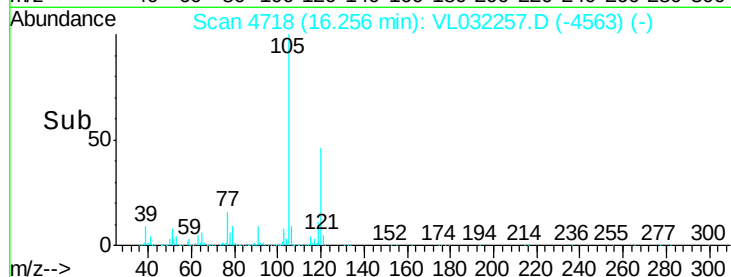
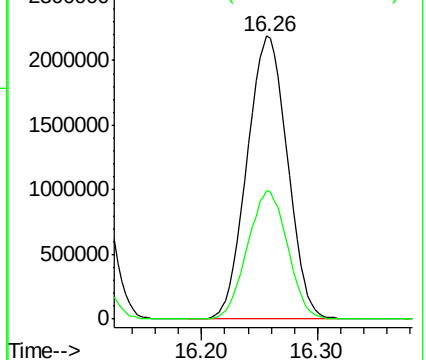
105 100

120 45.6 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.658 ppbv

RT: 17.02 min Scan# 4957

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Tgt Ion:105 Resp: 5157311

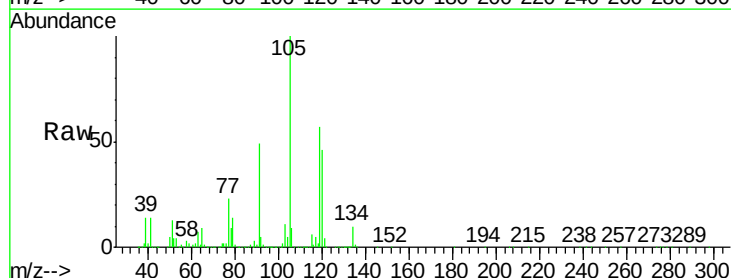
Ion Ratio Lower Upper

105 100

120 45.4 37.0 55.4

91 49.3 38.2 57.2

77 22.6 17.7 26.5

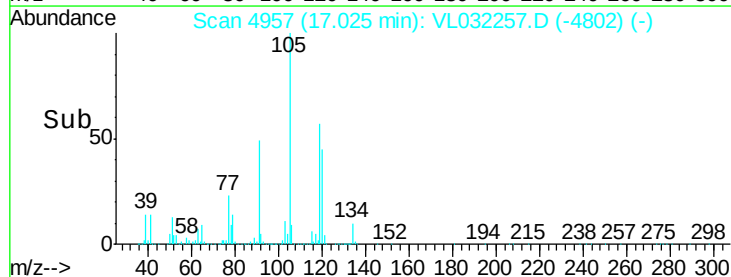
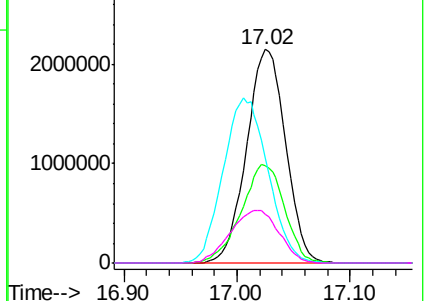


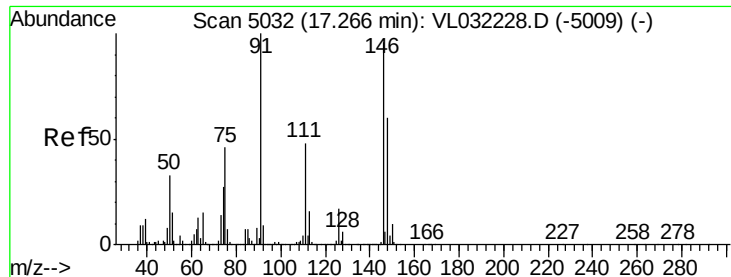
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.901 ppbv

RT: 17.27 min Scan# 5033

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

BFB

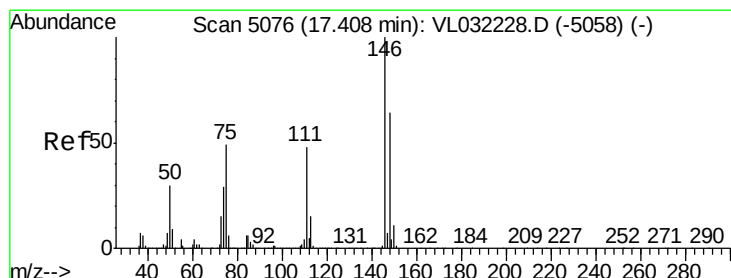
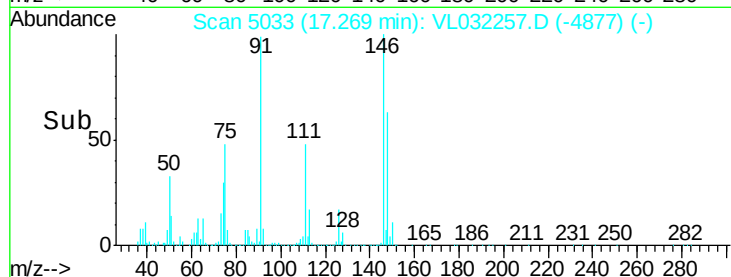
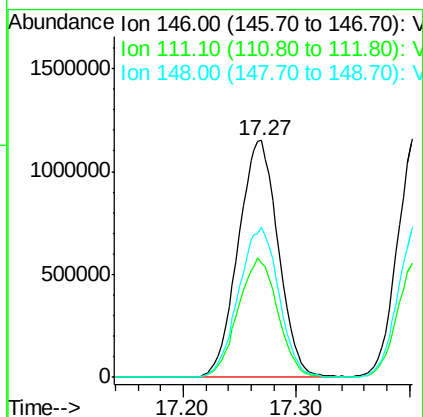
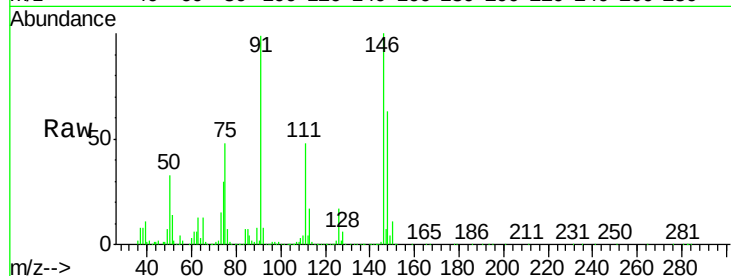
Tgt Ion:146 Resp: 2835373

Ion Ratio Lower Upper

146 100

111 49.9 24.9 74.7

148 63.7 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 9.431 ppbv

RT: 17.41 min Scan# 5076

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

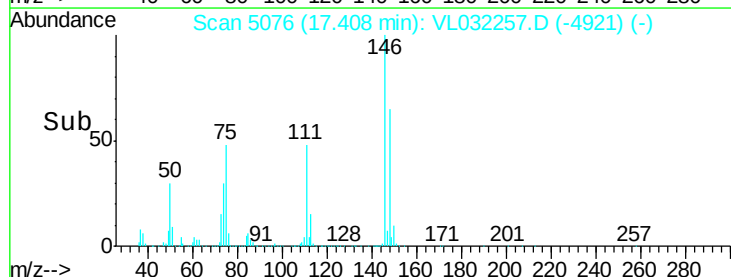
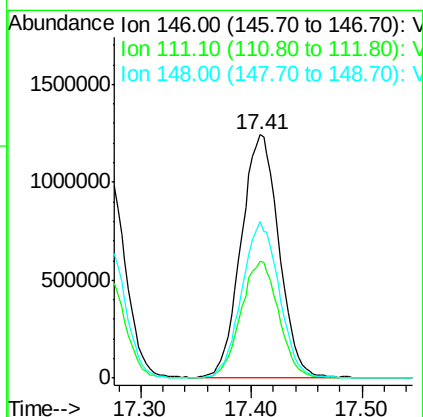
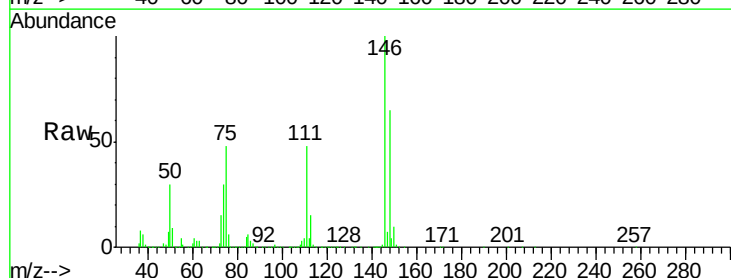
Tgt Ion:146 Resp: 2942224

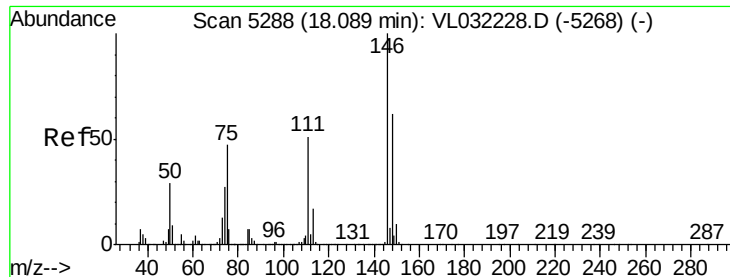
Ion Ratio Lower Upper

146 100

111 48.1 24.6 73.6

148 64.0 32.3 96.9

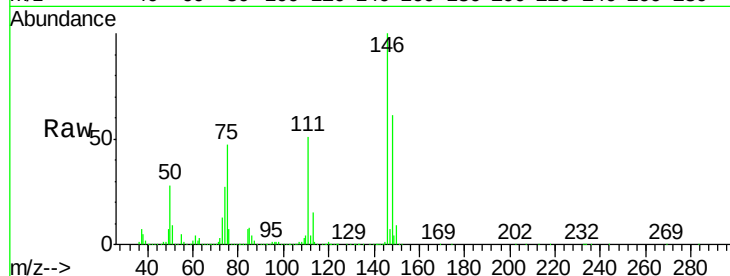




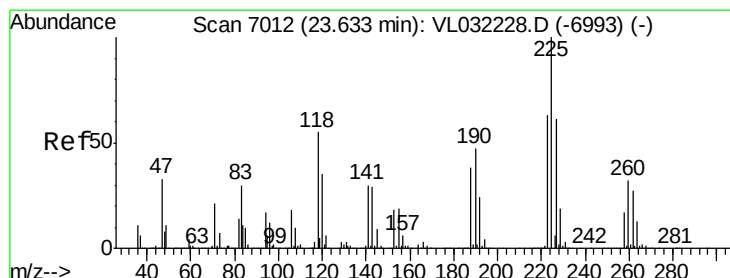
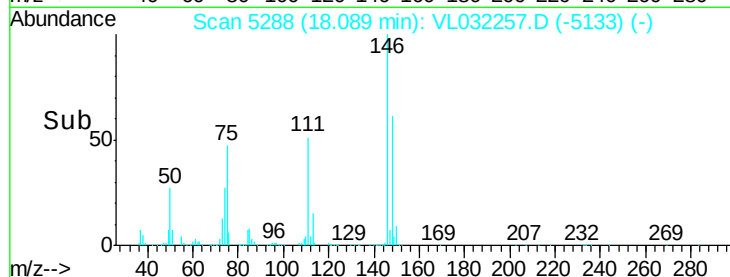
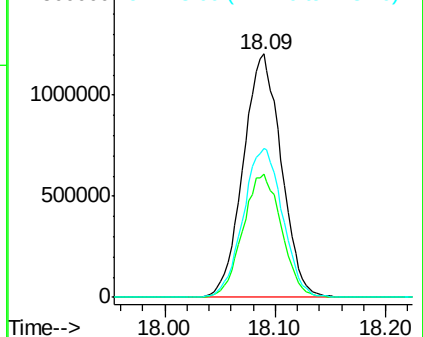
#77
 1,2-Dichlorobenzene
 Concen: 9.070 ppbv
 RT: 18.09 min Scan# 5288
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion:146 Resp: 2871684
 Ion Ratio Lower Upper
 146 100
 111 51.7 26.1 78.3
 148 63.4 32.0 96.0

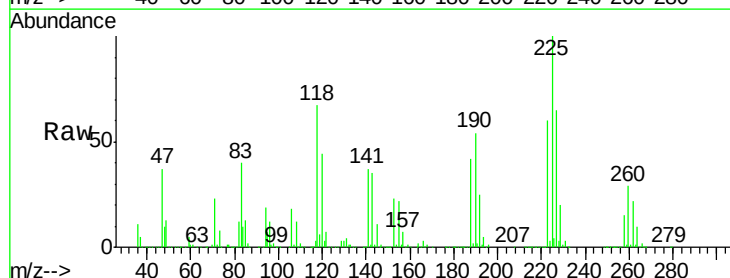


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

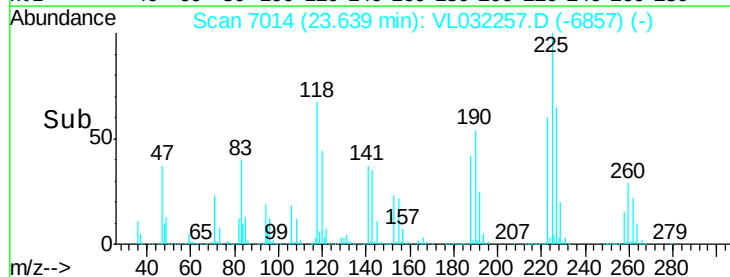
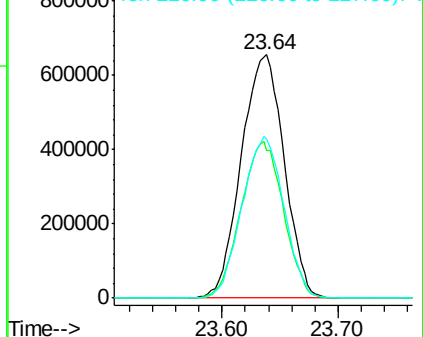


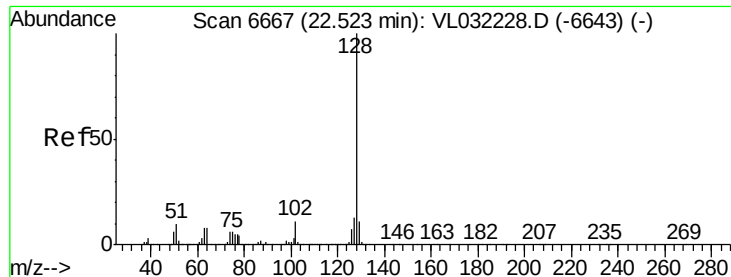
#78
 Hexachloro-1,3-Butadiene
 Concen: 17.138 ppbv
 RT: 23.64 min Scan# 7014
 Delta R.T. 0.01 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion:225 Resp: 1691029
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.3 75.5
 227 64.8 50.9 76.3



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 14.816 ppbv

RT: 22.53 min Scan# 6668

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

BFB

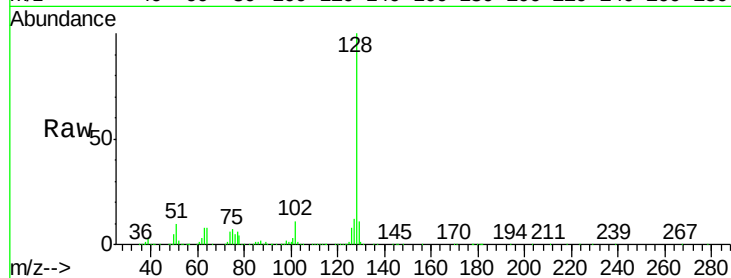
Tgt Ion:128 Resp: 5311139

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

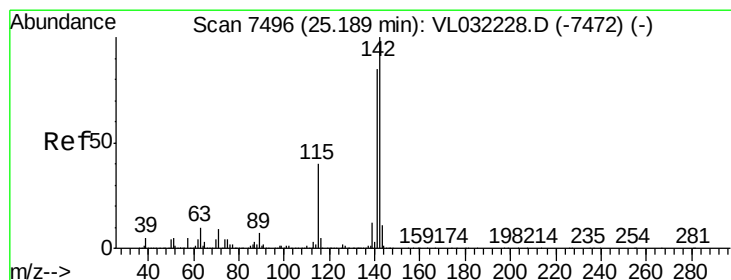
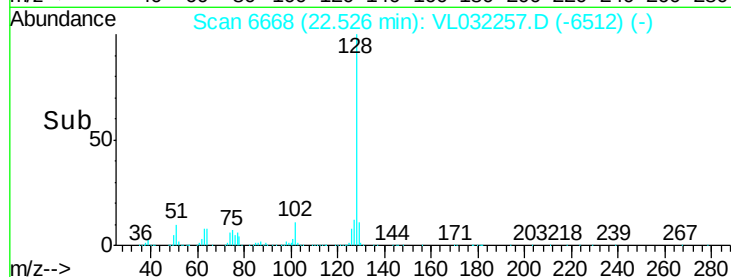
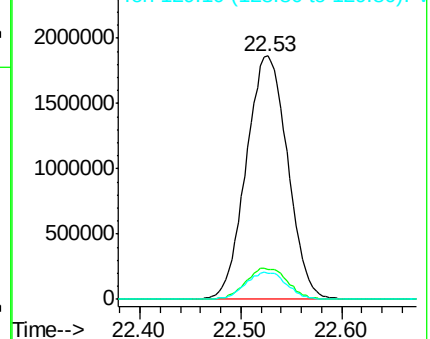
129 10.7 9.0 13.4



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 21.787 ppbv

RT: 25.19 min Scan# 7496

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

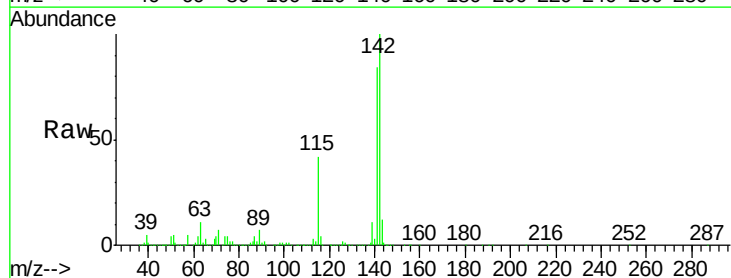
Tgt Ion:142 Resp: 2495233

Ion Ratio Lower Upper

142 100

141 83.9 67.0 100.6

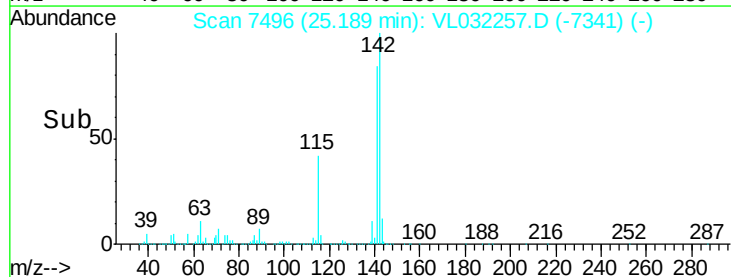
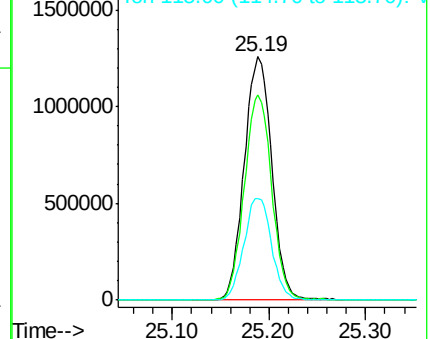
115 42.2 32.6 49.0

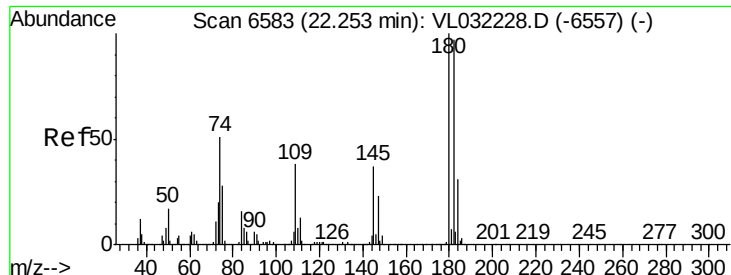


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

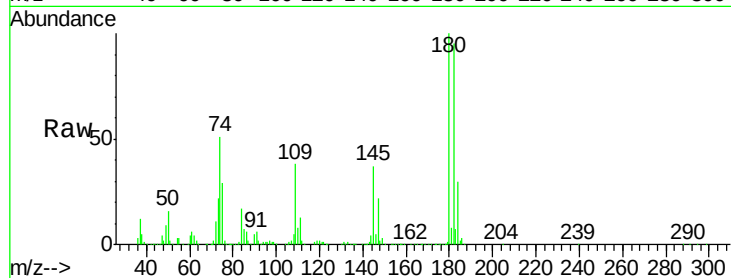




#81
 1,2,4-Trichlorobenzene
 Concen: 13.168 ppbv
 RT: 22.25 min Scan# 6583
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 2362141
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.1 114.1
 184 30.4 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

