

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035112.D
 Acq On : 22 Jun 2020 15:54
 Operator : SY/AP
 Sample : VL0622SBS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Jun 23 01:24:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1267784	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	2995437	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.12	117	3144938	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2413732	9.24	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1390558	8.123	ppbv 99
3) Chlorodifluoromethane	2.95	51	1324508	9.458	ppbv 99
4) Chloromethane	3.11	50	765355	9.749	ppbv 100
5) Vinyl Chloride	3.22	62	760327	10.184	ppbv 97
6) Bromomethane	3.44	94	457451	9.867	ppbv 93
7) Chloroethane	3.52	64	286397	10.173	ppbv 96
8) Dichlorotetrafluoroethane	3.15	85	1723541	9.390	ppbv 99
9) Propene	2.97	41	564981	10.188	ppbv 98
10) Heptane	8.14	43	1553404	10.808	ppbv 98
11) Trichlorofluoromethane	3.92	101	1807255	9.882	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1281758	10.135	ppbv 100
13) Ethanol	3.57	45	162058	7.735	ppbv 99
14) Bromoethene	3.71	108	551359	10.114	ppbv 97
15) Acetone	3.82	43	1406111	9.174	ppbv 99
16) 1,3-Butadiene	3.29	39	691373	10.284	ppbv 98
17) tert-Butyl alcohol	4.27	59	1567038	11.536	ppbv 99
18) 1,1-Dichloroethene	4.27	96	588085	10.311	ppbv 96
19) Isopropyl Alcohol	3.94	45	1054622	10.596	ppbv # 99
20) Methylene Chloride	4.32	84	525716	8.474	ppbv 95
21) Allyl Chloride	4.39	41	987142	10.836	ppbv 98
22) trans-1,2-Dichloroethene	4.87	96	601963	11.281	ppbv 96
23) Vinyl Acetate	5.06	43	2037064	10.949	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1525082	9.723	ppbv 99
25) Ethyl Acetate	5.67	43	2684856	9.706	ppbv 99
26) Hexane	5.68	57	1206082	9.671	ppbv 98
27) Carbon Disulfide	4.53	76	1751364	13.569	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1872574	10.686	ppbv 100
29) Chloroform	5.75	83	1858348	9.522	ppbv 100
30) Cyclohexane	7.14	84	995282	11.119	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1208137	10.509	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	1815801	10.031	ppbv 99
34) 2-Butanone	5.24	43	1739755	10.114	ppbv 99
35) Carbon Tetrachloride	7.03	117	1881607	10.473	ppbv 97
36) Benzene	6.90	78	2365138	10.197	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1441305	9.832	ppbv 100
38) Trichloroethene	7.85	130	917359	10.182	ppbv 99
39) 1,2-Dichloropropane	7.63	63	937740	10.337	ppbv 98
40) 1,4-Dioxane	7.85	88	357839	10.000	ppbv # 94
41) Tetrahydrofuran	6.05	42	965551	10.990	ppbv 100
42) Bromodichloromethane	7.81	83	2039124	10.740	ppbv 100
43) Methyl Methacrylate	8.03	69	1095715	11.160	ppbv 99

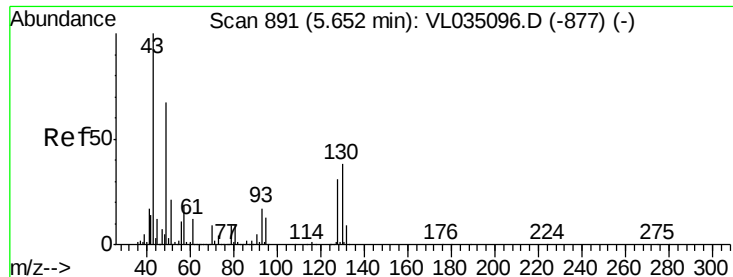
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035112.D
 Acq On : 22 Jun 2020 15:54
 Operator : SY/AP
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 Misc : 400ml/MSVOA L
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Quant Time: Jun 23 01:24:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4044596	9.991	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1258629	13.173	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1456556	12.271	ppbv	96
47) 1,1,2-Trichloroethane	9.50	97	998101	10.081	ppbv	99
48) Dibromochloromethane	10.34	129	1714259	11.614	ppbv	98
49) Bromoform	13.09	173	1466509	11.695	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2588132	10.590	ppbv	100
51) 2-Hexanone	10.16	43	2132146	11.140	ppbv #	100
52) Tetrachloroethene	11.26	164	850635	10.408	ppbv	95
53) Toluene	9.83	91	2775731	11.219	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1524263	10.397	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1263923	9.820	ppbv #	61
57) Chlorobenzene	12.19	112	2093688	9.047	ppbv	97
58) Ethyl Benzene	12.75	91	3711397	10.503	ppbv	97
59) m/p-Xylene	13.03	91	3396402	10.846	ppbv #	44
60) o-Xylene	13.73	91	3000623	9.625	ppbv	100
61) Styrene	13.57	104	2183527	11.130	ppbv	99
62) Isopropylbenzene	14.71	105	4435168	9.533	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	2113224	8.369	ppbv	100
64) n-propylbenzene	15.61	120	1173132	9.881	ppbv	99
65) tert-Butylbenzene	16.80	119	3822936	9.596	ppbv	100
66) Benzyl Chloride	17.04	91	1633957	13.278	ppbv	99
67) sec-Butylbenzene	17.34	105	5425185	9.502	ppbv	100
69) p-Isopropyltoluene	17.70	119	4484510	9.847	ppbv	100
70) n-Butylbenzene	18.60	91	4623977	9.425	ppbv	99
71) 2-Chlorotoluene	15.50	91	3416176	9.715	ppbv	100
72) 4-Ethyltoluene	15.89	105	3489368	10.061	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	3253199	9.923	ppbv	100
74) 1,2,4-Trimethylbenzene	16.82	105	3354523	9.168	ppbv #	91
75) 1,3-Dichlorobenzene	17.05	146	1925179	8.817	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1917839	9.181	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1808211	9.050	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1467310	8.170	ppbv	98
79) Naphthalene	22.27	128	3269706	10.193	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	1563850	12.750	ppbv	100
81) 1,2,4-Trichlorobenzene	22.00	180	855847	4.625	ppbv #	9

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampled :

BFB

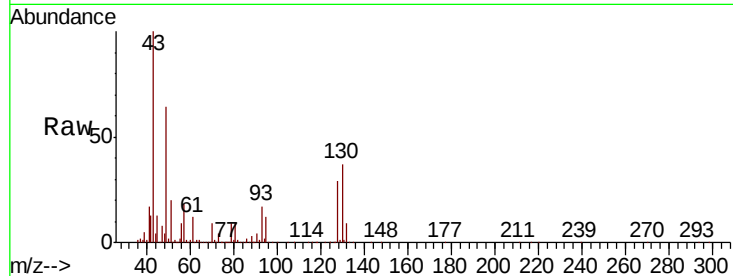
Tot Ion: 49 Resp: 1267784

Ion Ratio Lower Upper

49 100

128 46.0 22.9 68.5

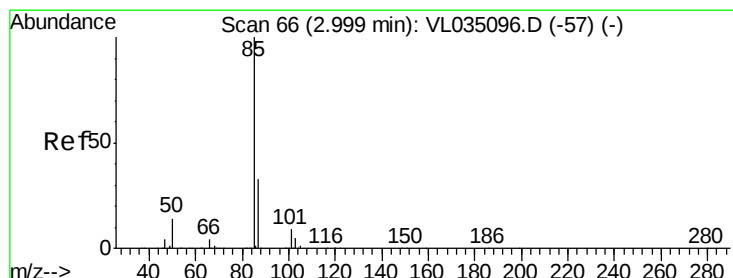
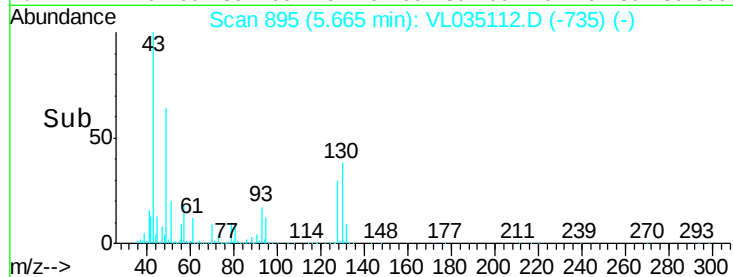
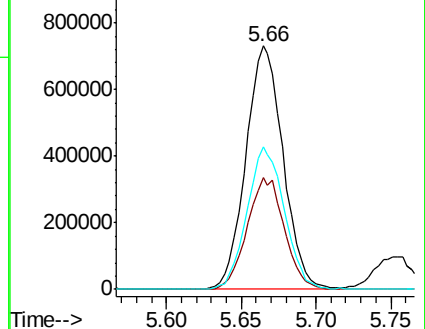
130 58.8 29.0 87.0



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: 8.123 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035112.D

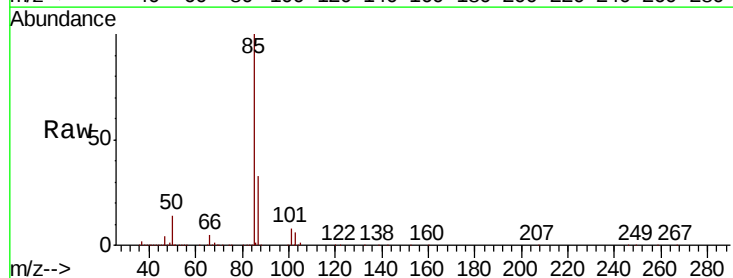
Acq: 22 Jun 2020 15:54

Tgt Ion: 85 Resp: 1390558

Ion Ratio Lower Upper

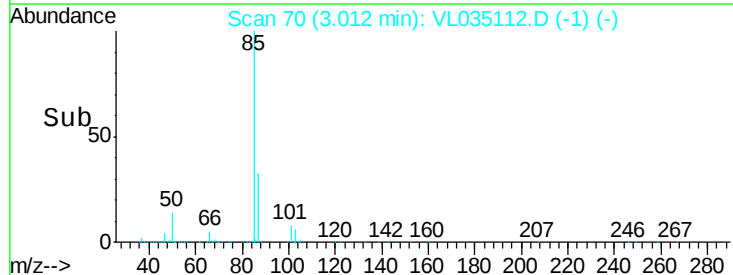
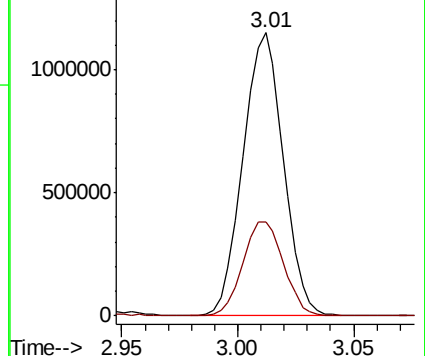
85 100

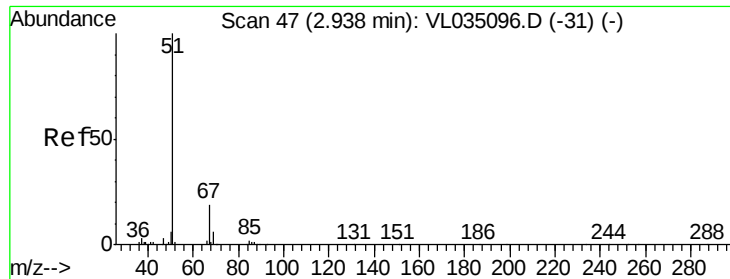
87 33.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.458 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

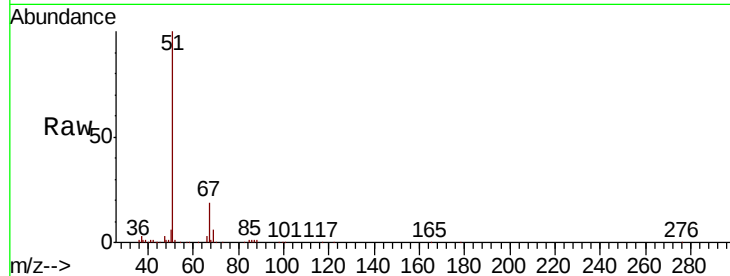
BFB

Tot Ion: 51 Resp: 1324508

Ion Ratio Lower Upper

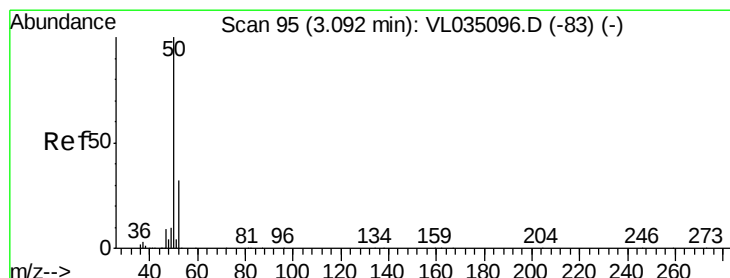
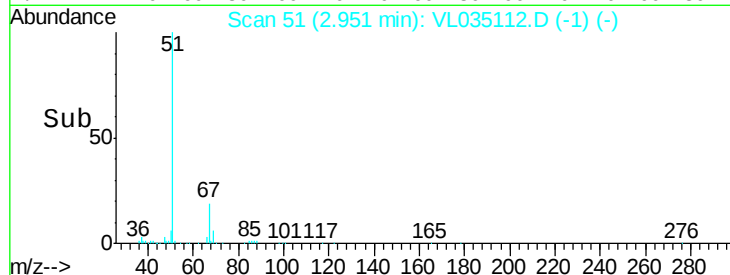
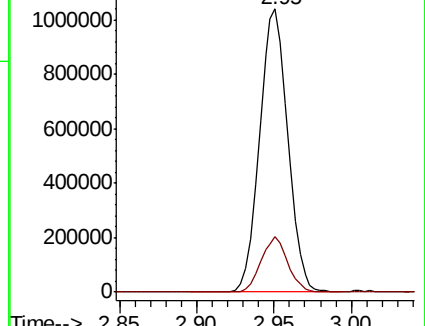
51 100

67 18.6 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.749 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.01 min

Lab File: VL035112.D

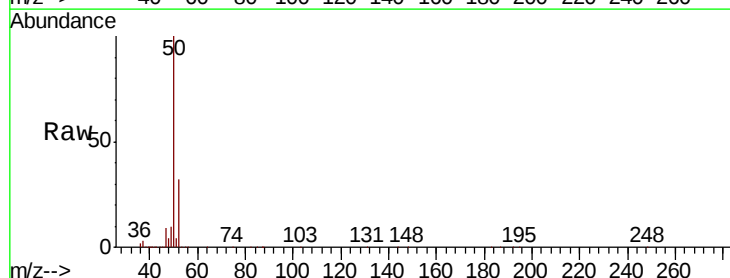
Acq: 22 Jun 2020 15:54

Tgt Ion: 50 Resp: 765355

Ion Ratio Lower Upper

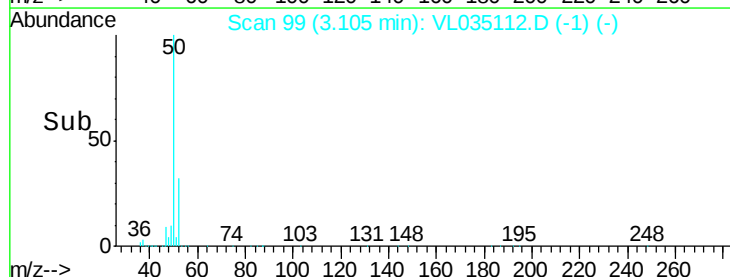
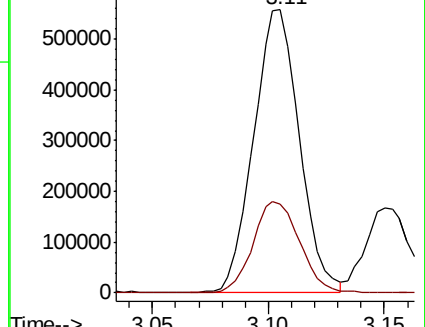
50 100

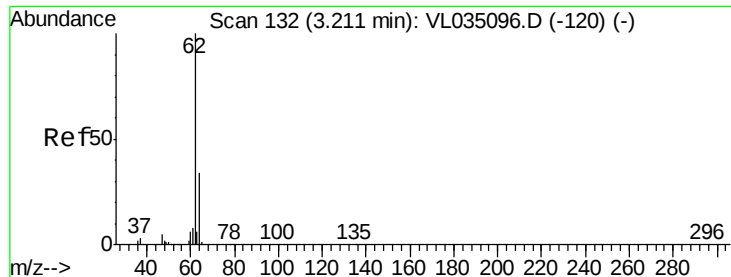
52 31.6 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.184 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

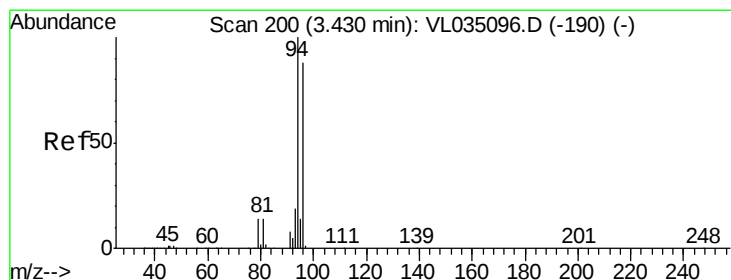
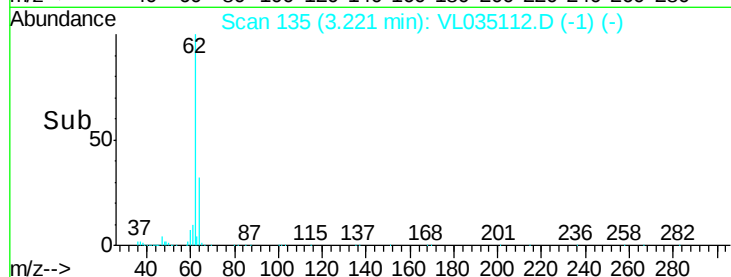
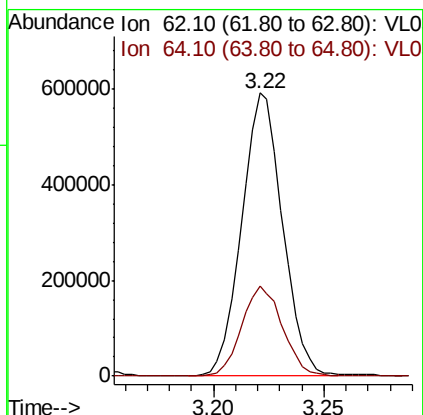
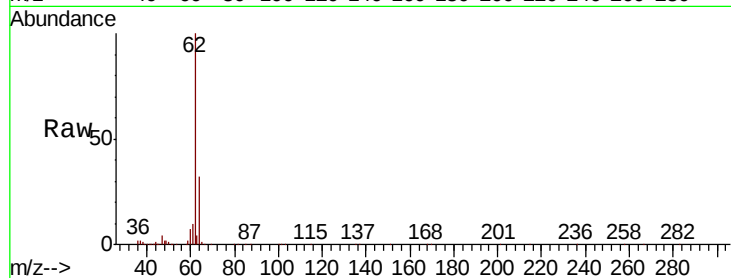
BFB

Tot Ion: 62 Resp: 760327

Ion Ratio Lower Upper

62 100

64 31.8 27.0 40.4



#6

Bromomethane

Concen: 9.867 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.01 min

Lab File: VL035112.D

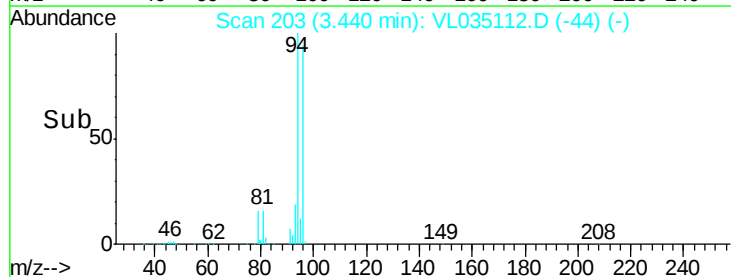
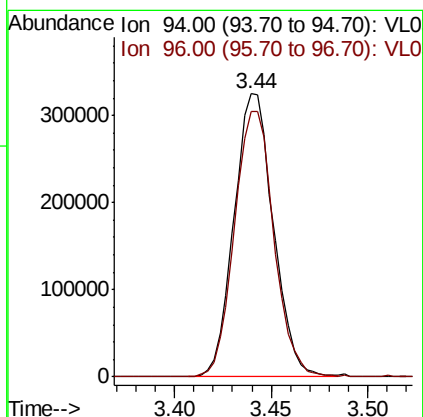
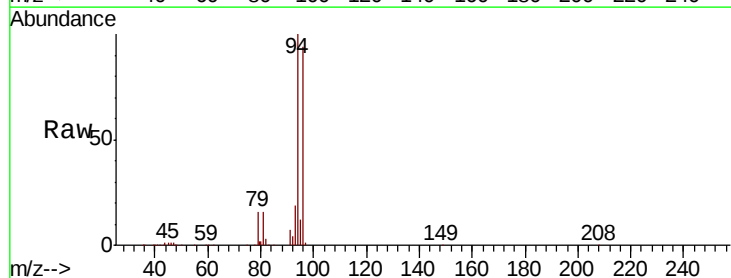
Acq: 22 Jun 2020 15:54

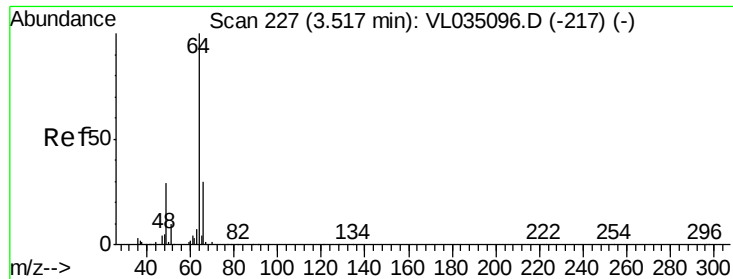
Tgt Ion: 94 Resp: 457451

Ion Ratio Lower Upper

94 100

96 93.8 70.2 105.2





#7

Chloroethane

Concen: 10.173 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

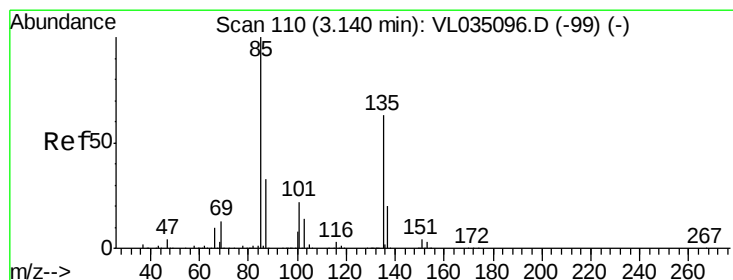
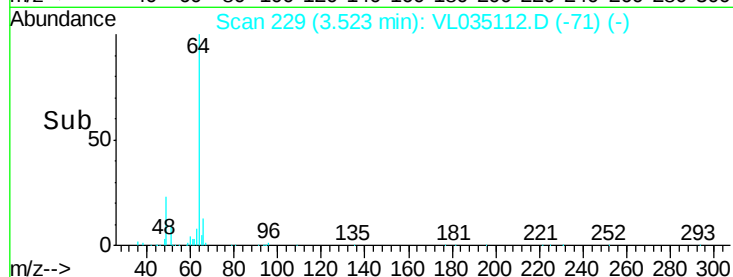
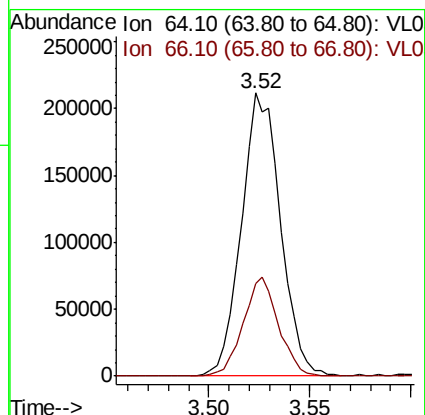
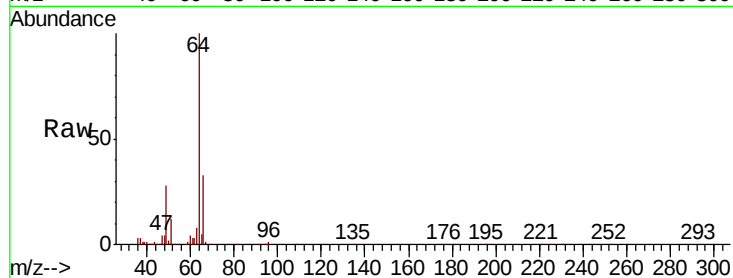
BFB

Tot Ion: 64 Resp: 286397

Ion Ratio Lower Upper

64 100

66 32.5 24.2 36.4



#8

Dichlorotetrafluoroethane

Concen: 9.390 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL035112.D

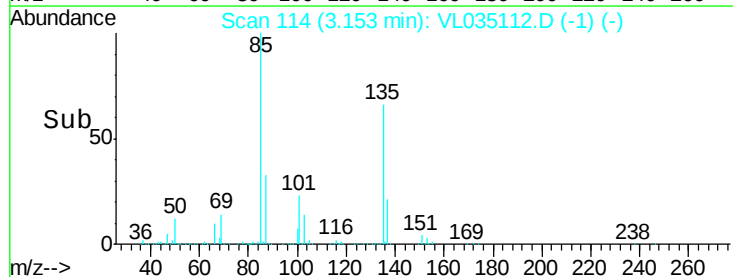
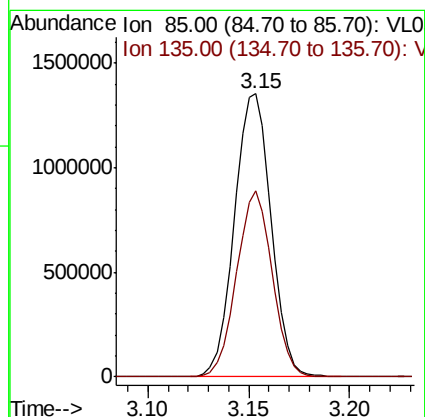
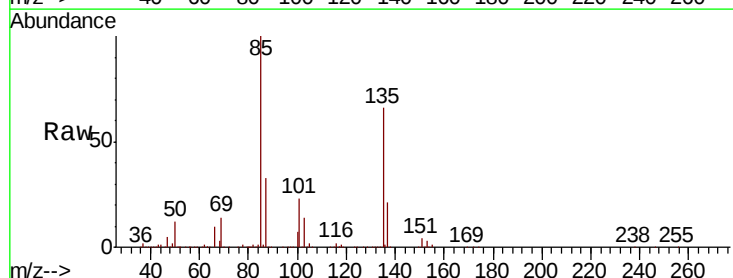
Acq: 22 Jun 2020 15:54

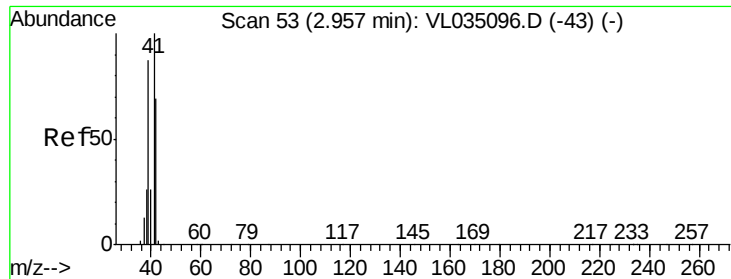
Tgt Ion: 85 Resp: 1723541

Ion Ratio Lower Upper

85 100

135 64.3 51.0 76.6





#9

Propene

Concen: 10.188 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

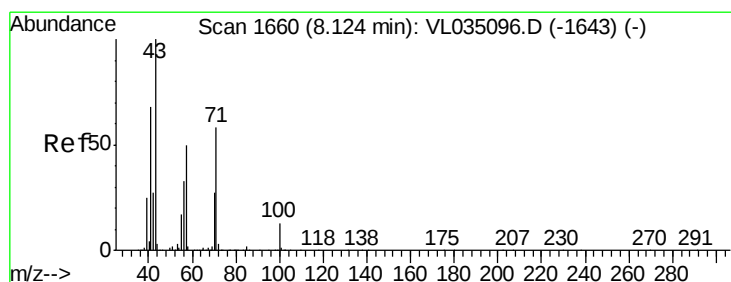
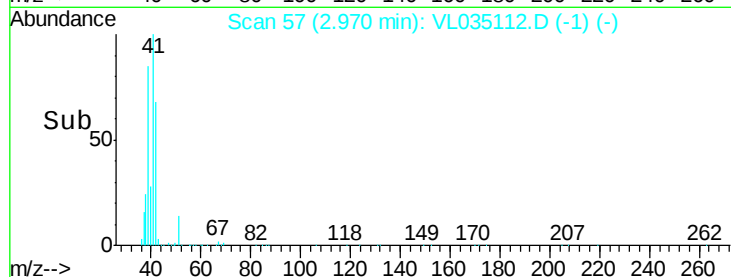
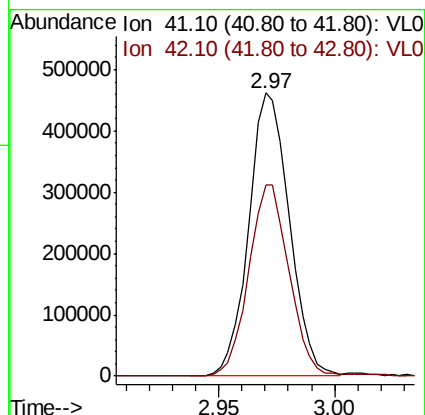
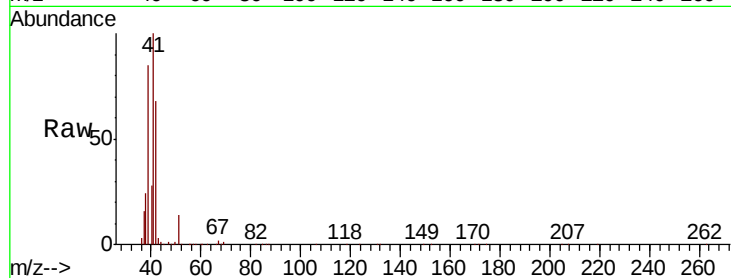
BFB

Tot Ion: 41 Resp: 564981

Ion Ratio Lower Upper

41 100

42 67.7 55.8 83.6



#10

Heptane

Concen: 10.808 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL035112.D

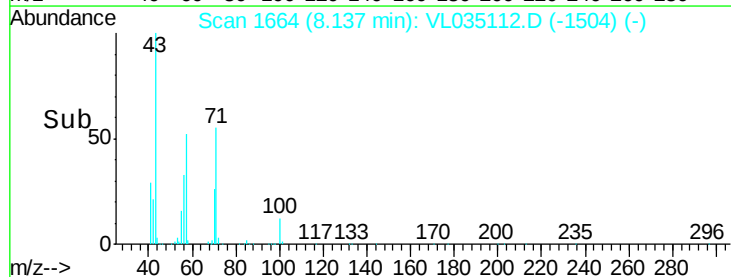
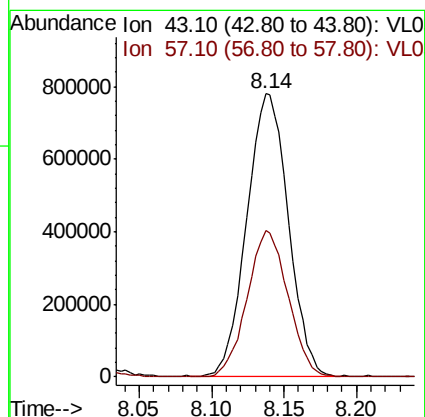
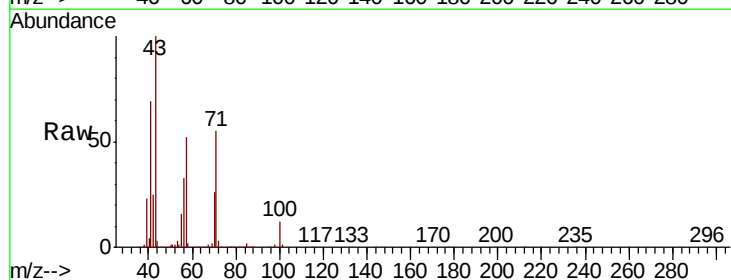
Acq: 22 Jun 2020 15:54

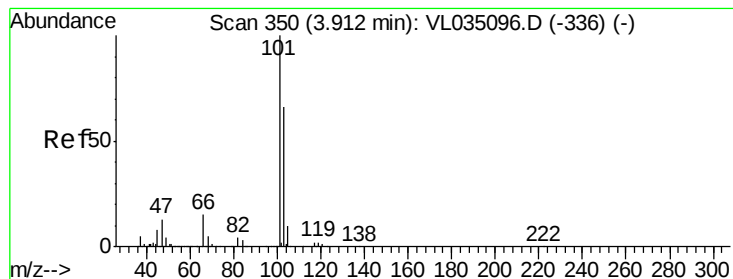
Tgt Ion: 43 Resp: 1553404

Ion Ratio Lower Upper

43 100

57 50.9 41.9 62.9





#11

Trichlorofluoromethane

Concen: 9.882 ppbv

RT: 3.92 min Scan# 353

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

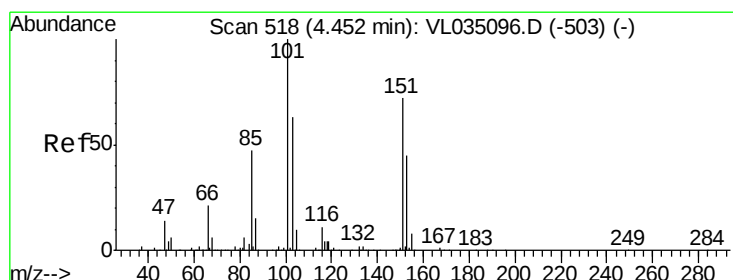
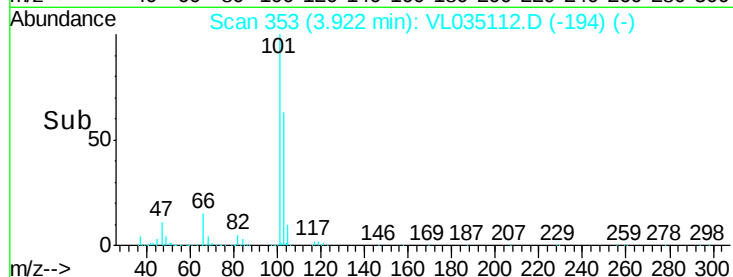
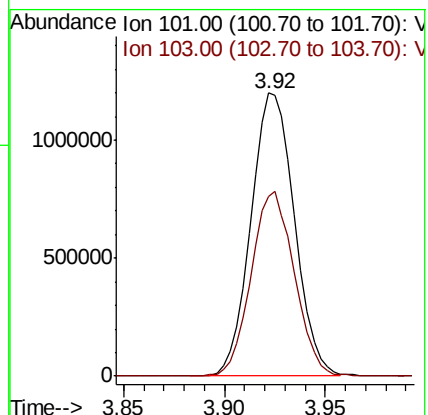
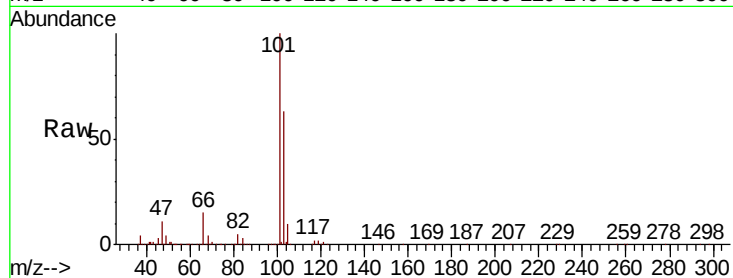
BFB

Tot Ion:101 Resp: 1807255

Ion Ratio Lower Upper

101 100

103 63.3 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.135 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.02 min

Lab File: VL035112.D

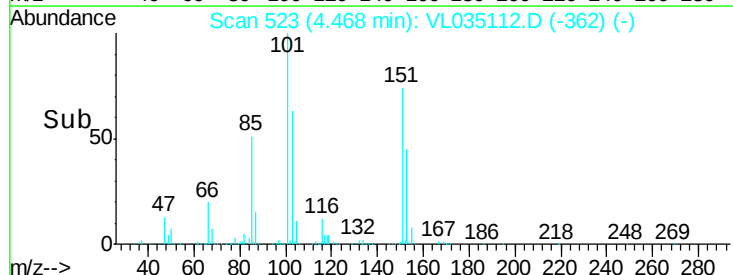
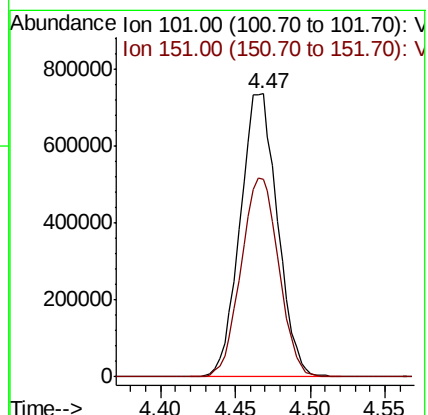
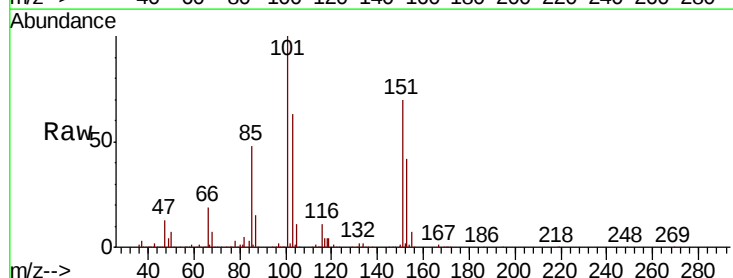
Acq: 22 Jun 2020 15:54

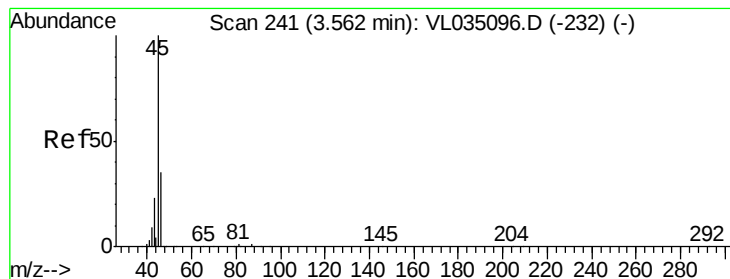
Tgt Ion:101 Resp: 1281758

Ion Ratio Lower Upper

101 100

151 71.0 56.6 85.0





#13

Ethanol

Concen: 7.735 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

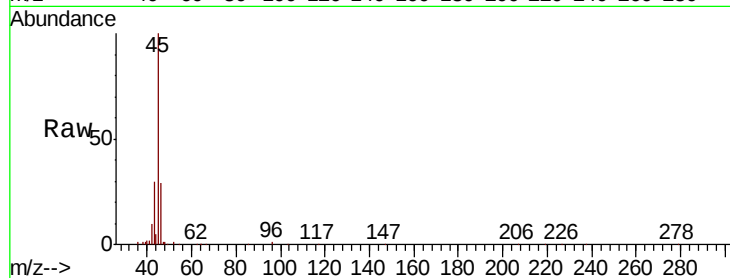
BFB

Tot Ion: 45 Resp: 162058

Ion Ratio Lower Upper

45 100

46 36.3 14.2 57.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.57

100000

80000

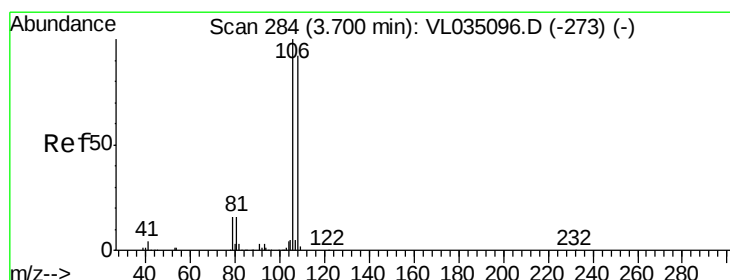
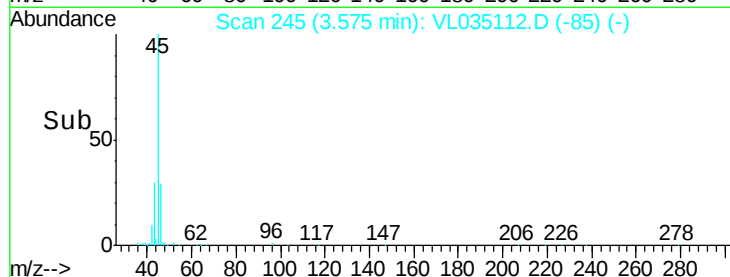
60000

40000

20000

0

Time-->



#14

Bromoethene

Concen: 10.114 ppbv

RT: 3.71 min Scan# 287

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

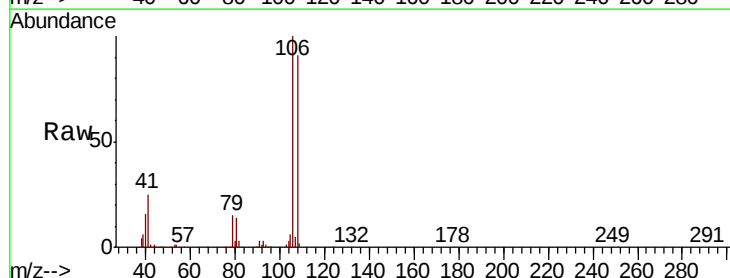
Tgt Ion: 108 Resp: 551359

Ion Ratio Lower Upper

108 100

106 109.0 84.4 126.6

79 18.1 14.2 21.2



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

600000

500000

400000

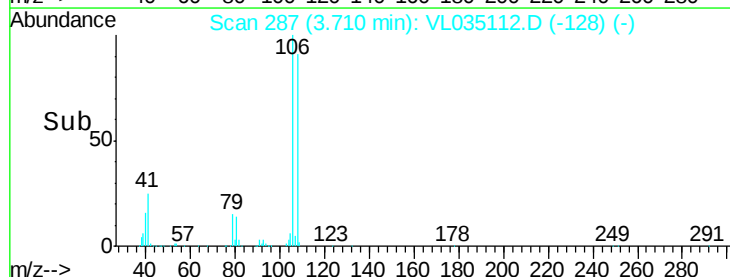
300000

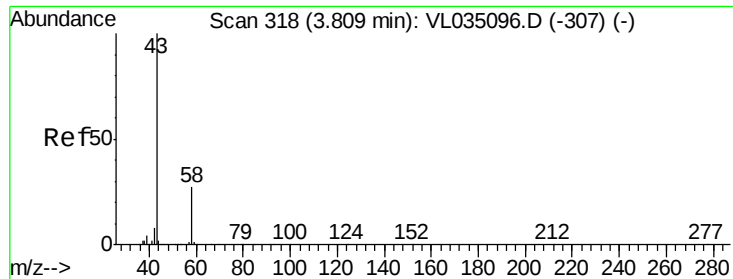
200000

100000

0

Time-->





#15

Acetone

Concen: 9.174 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

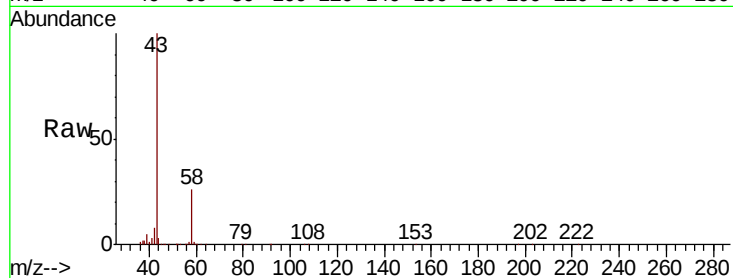
BFB

Tot Ion: 43 Resp: 1406111

Ion Ratio Lower Upper

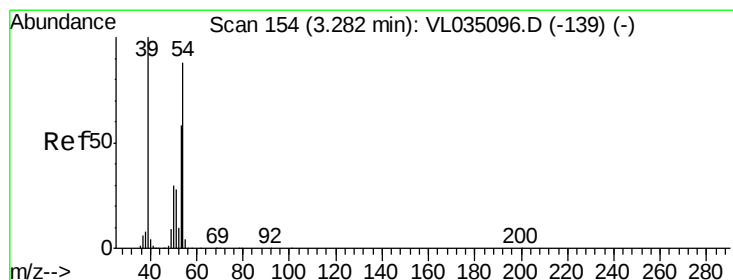
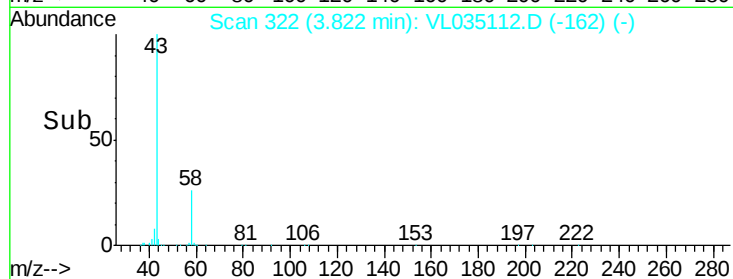
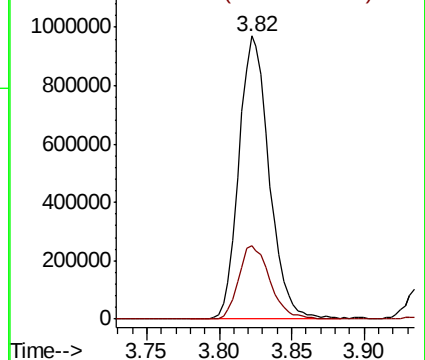
43 100

58 26.8 21.8 32.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.284 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.01 min

Lab File: VL035112.D

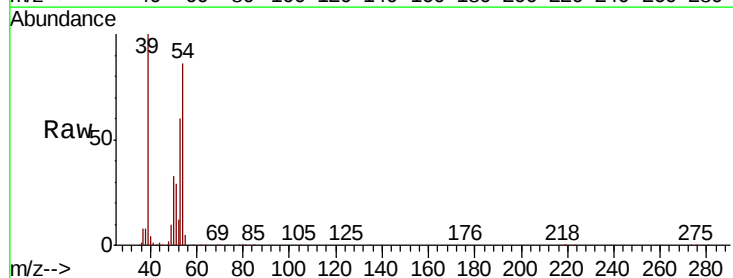
Acq: 22 Jun 2020 15:54

Tgt Ion: 39 Resp: 691373

Ion Ratio Lower Upper

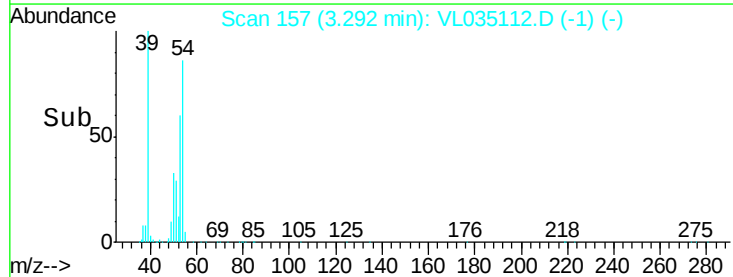
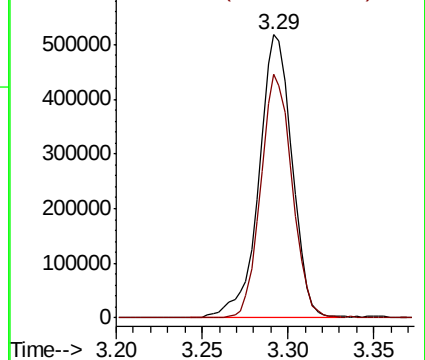
39 100

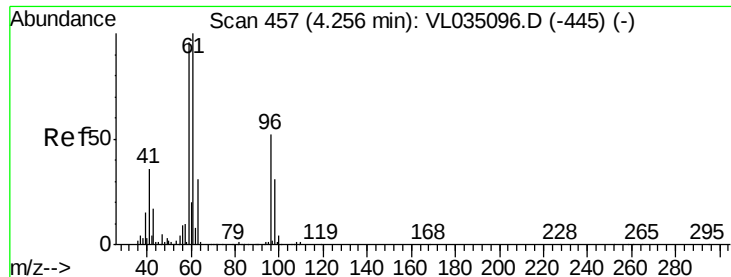
54 81.6 67.0 100.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



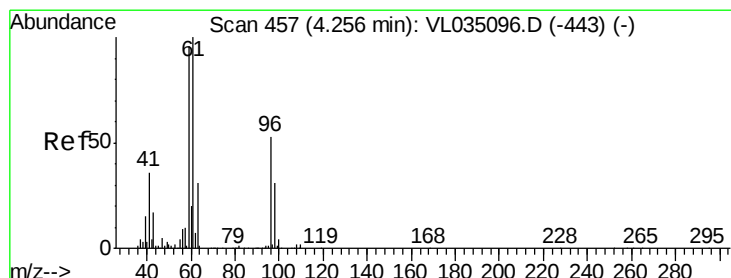
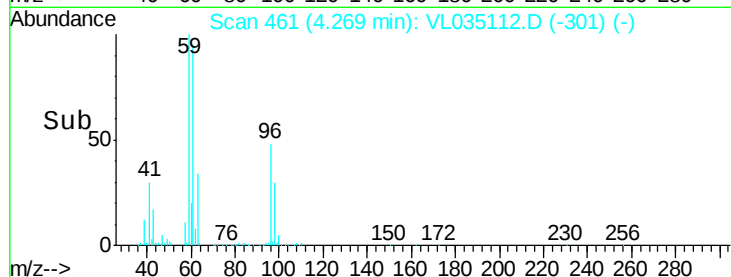
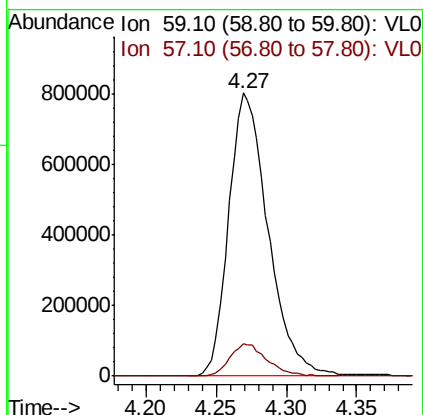
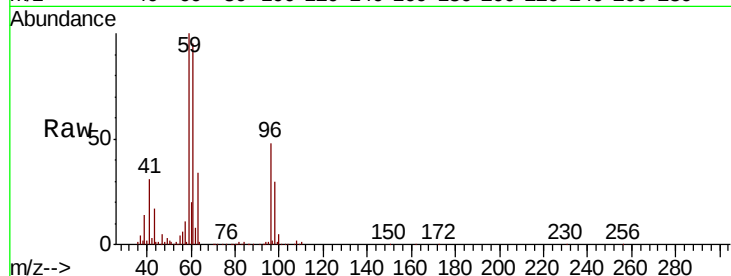


#17

tert-Butyl alcohol
 Concen: 11.536 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Instrument :
 MSVOA_L
 ClientSampled :
 BFB

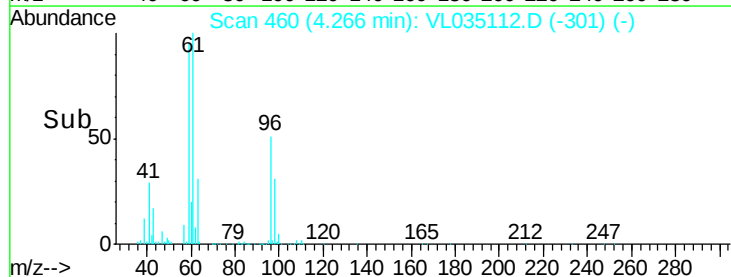
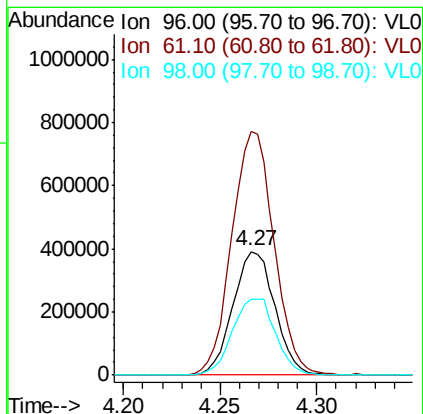
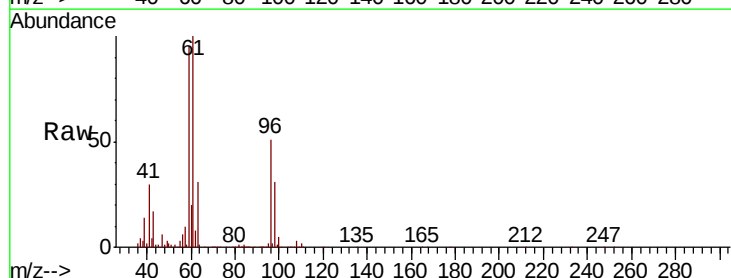
Tot Ion: 59 Resp: 1567038
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.6 12.8

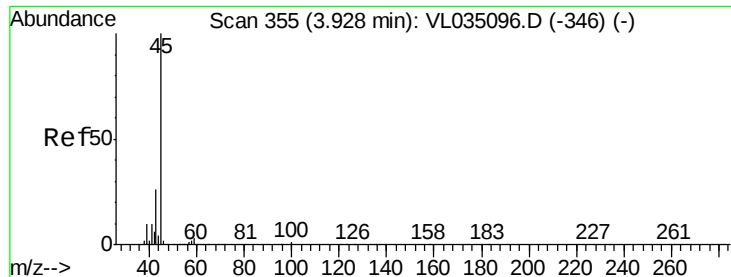


#18

1,1-Dichloroethene
 Concen: 10.311 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion: 96 Resp: 588085
 Ion Ratio Lower Upper
 96 100
 61 196.7 152.2 228.4
 98 61.0 47.7 71.5



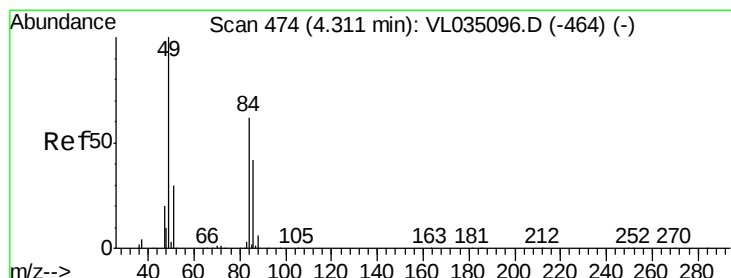
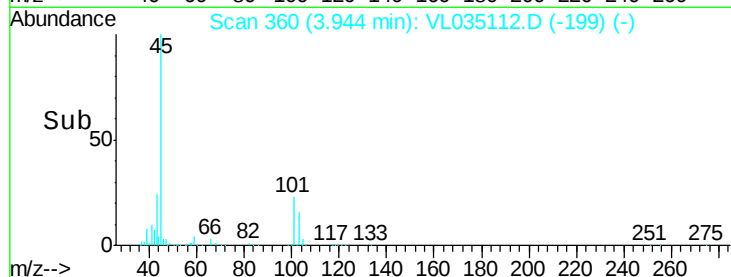
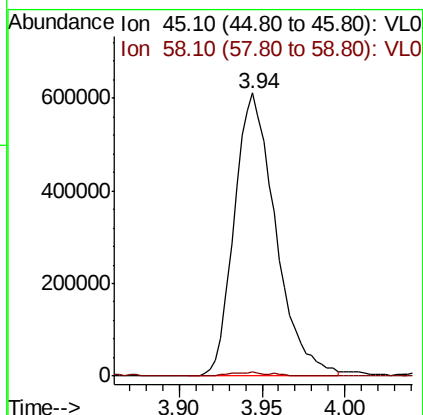
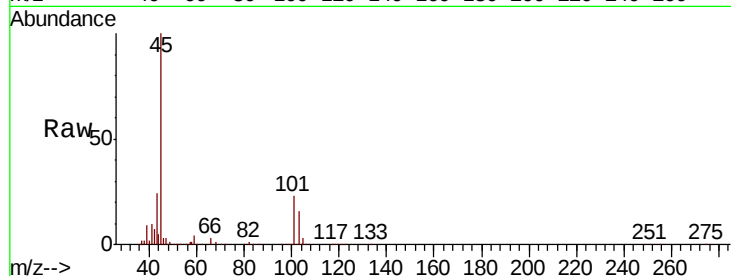


#19

Isopropyl Alcohol
 Concen: 10.596 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

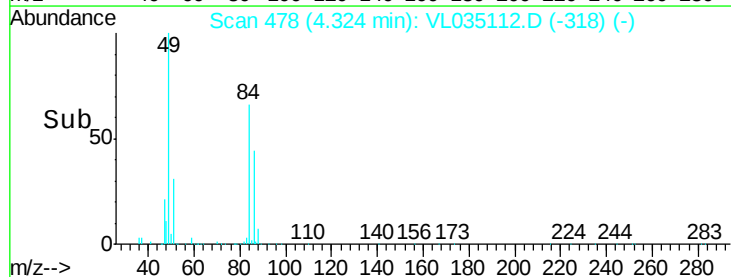
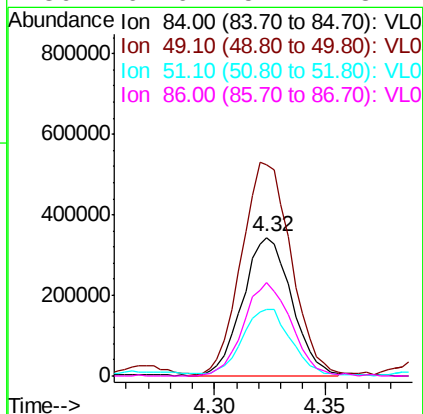
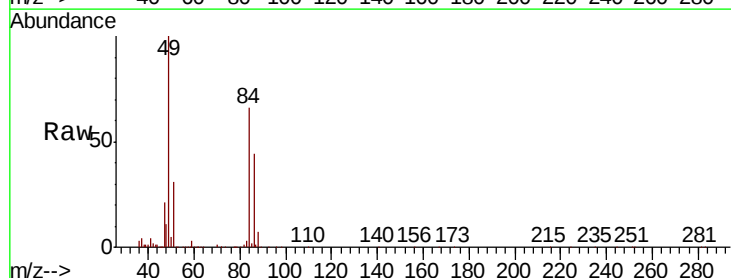
Tot Ion: 45 Resp: 1054622
 Ion Ratio Lower Upper
 45 100
 58 1.8 1.8 2.8#

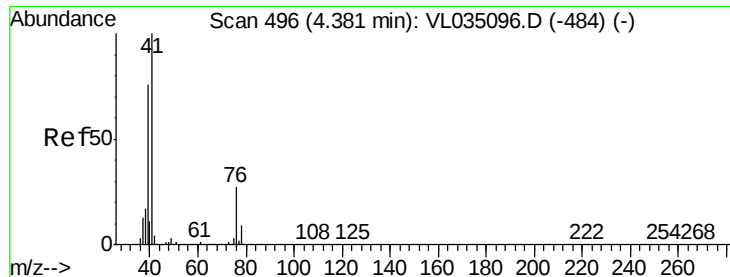


#20

Methylene Chloride
 Concen: 8.474 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion: 84 Resp: 525716
 Ion Ratio Lower Upper
 84 100
 49 150.7 128.8 193.2
 51 46.7 38.7 58.1
 86 67.6 54.1 81.1





#21

Allvl Chloride

Concen: 10.836 ppbv

RT: 4.39 min Scan# 499

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

BFB

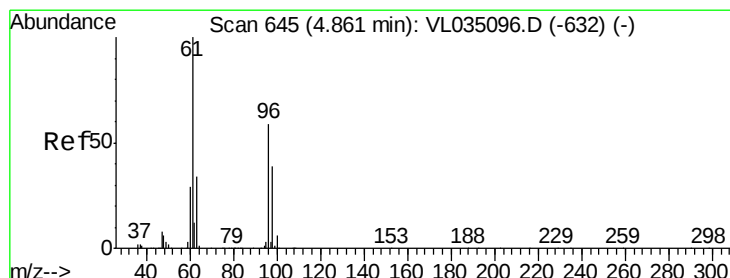
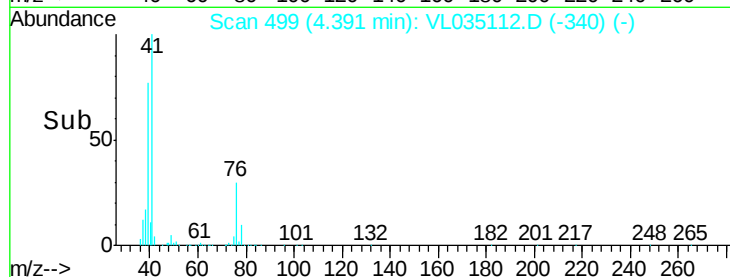
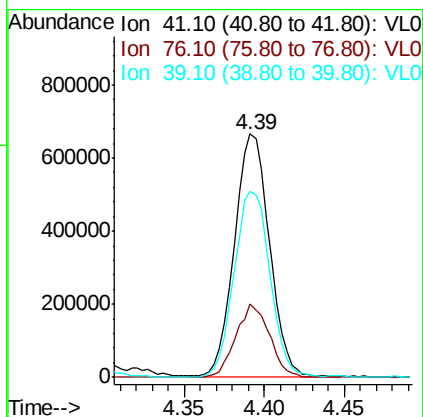
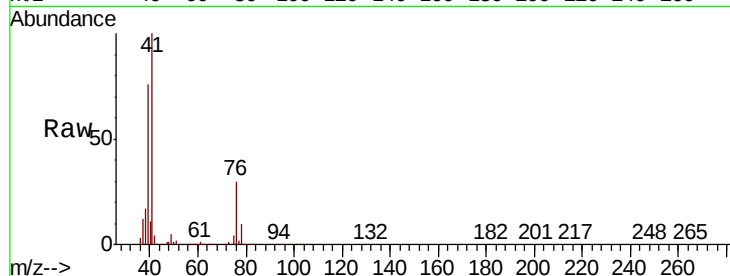
Tot Ion: 41 Resp: 987142

Ion Ratio Lower Upper

41 100

76 29.1 22.6 34.0

39 78.8 61.6 92.4



#22

trans-1,2-Dichloroethene

Concen: 11.281 ppbv

RT: 4.87 min Scan# 649

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

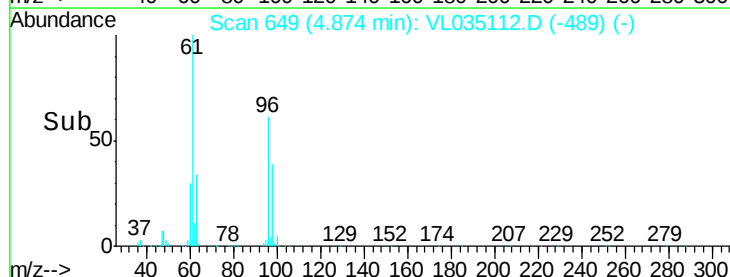
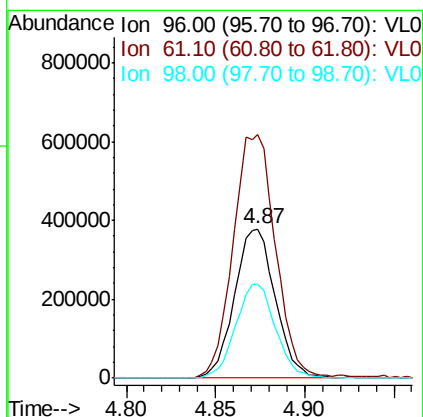
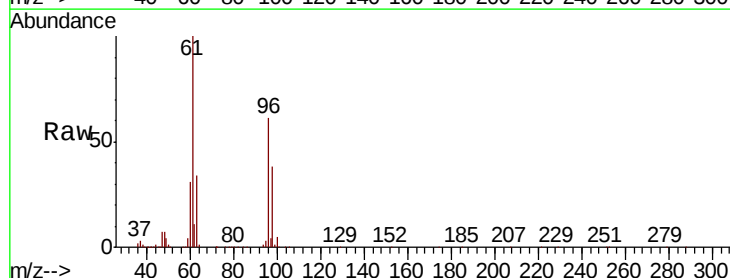
Tgt Ion: 96 Resp: 601963

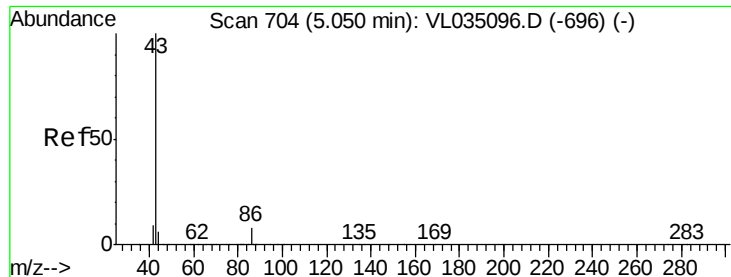
Ion Ratio Lower Upper

96 100

61 162.8 134.5 201.7

98 62.6 52.6 79.0



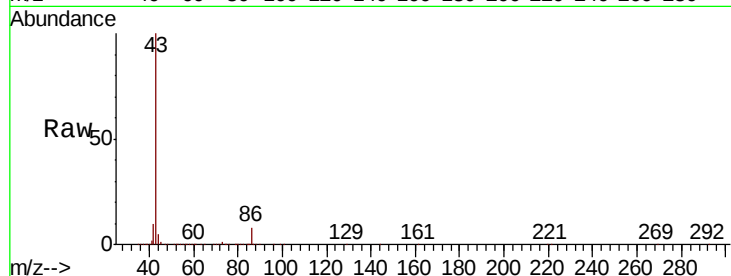


#23
 Vinyl Acetate
 Concen: 10.949 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

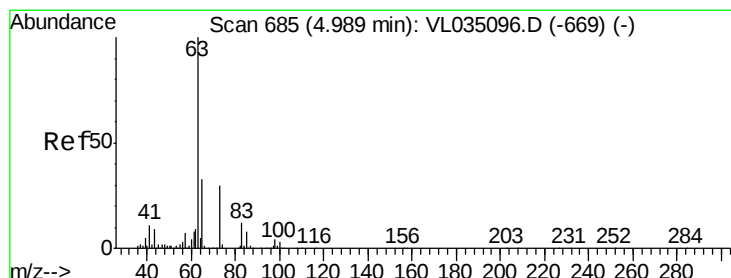
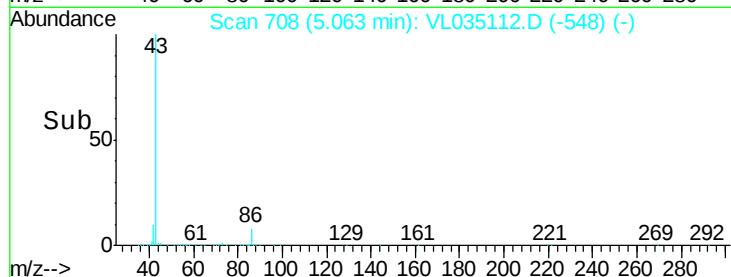
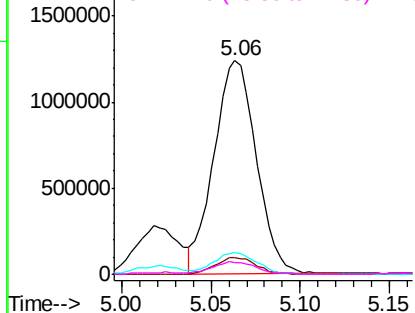
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tot Ion: 43 Resp: 2037064

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.2	9.2
42	10.5	8.1	12.1
44	5.2	4.6	7.0



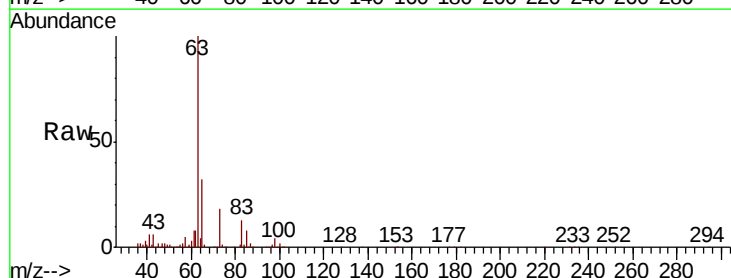
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



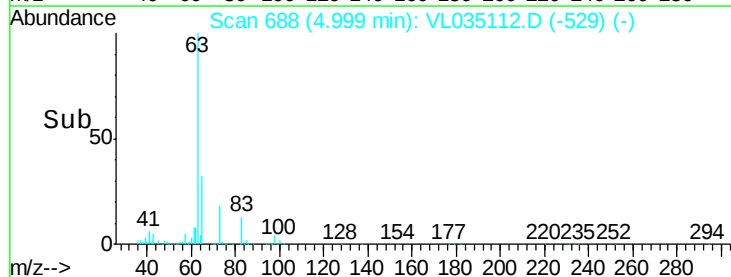
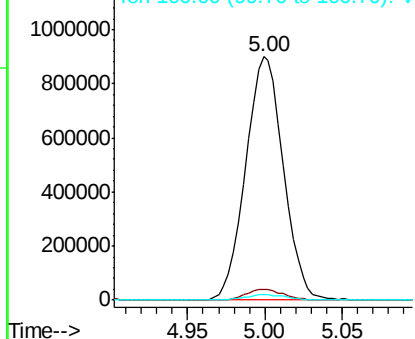
#24
 1,1-Dichloroethane
 Concen: 9.723 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

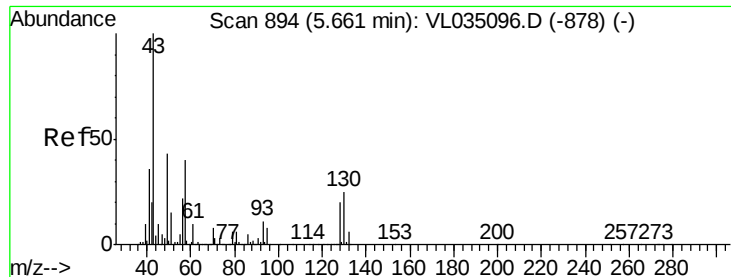
Tgt Ion: 63 Resp: 1525082

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.9
100	2.3	1.4	4.0



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

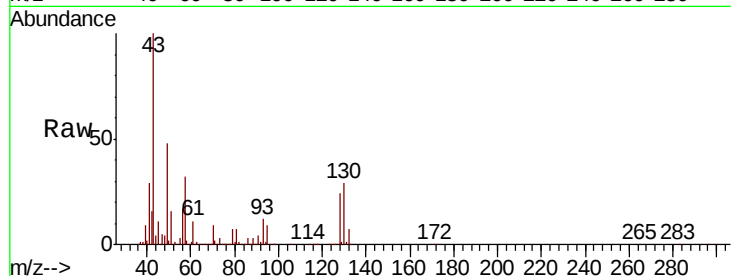




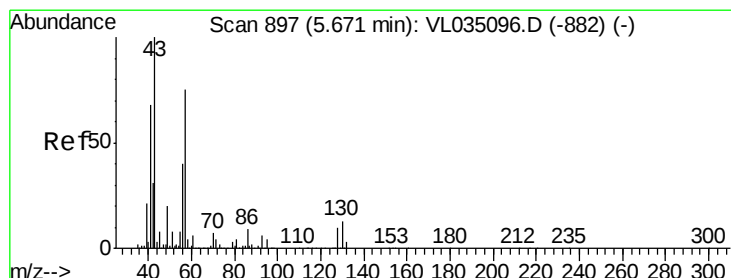
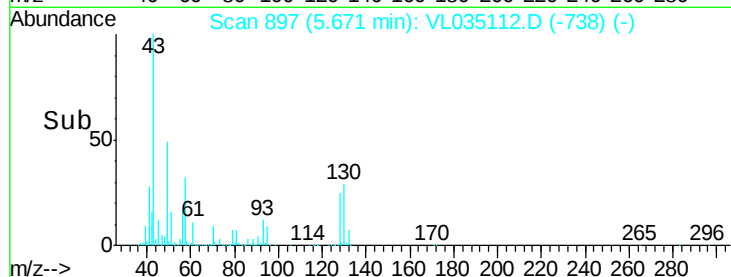
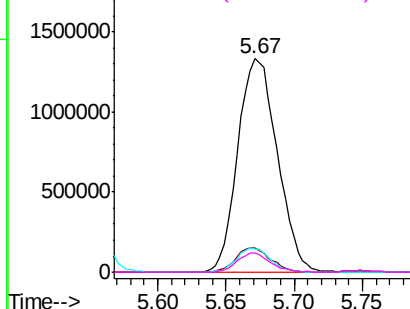
#25
Ethyl Acetate
Concen: 9.706 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleID :
BFB

Tot Ion:	43	Resp:	2684856
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.4	12.6
61	9.7	8.0	12.0
70	7.7	6.3	9.5

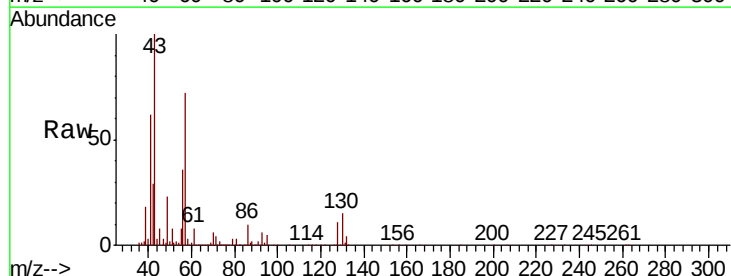


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

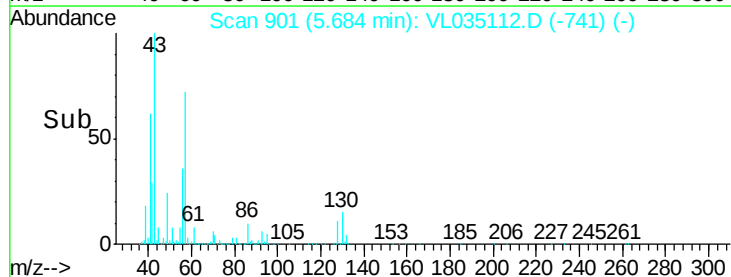
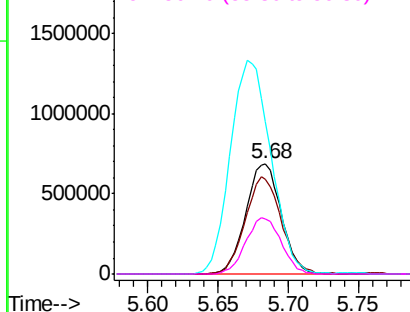


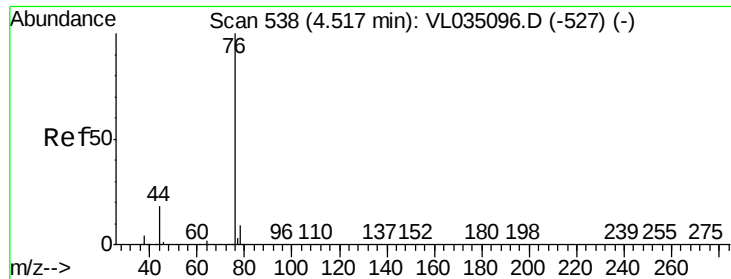
#26
Hexane
Concen: 9.671 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion:	57	Resp:	1206082
Ion	Ratio	Lower	Upper
57	100		
41	90.8	72.9	109.3
43	224.0	181.3	271.9
56	51.4	43.1	64.7



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

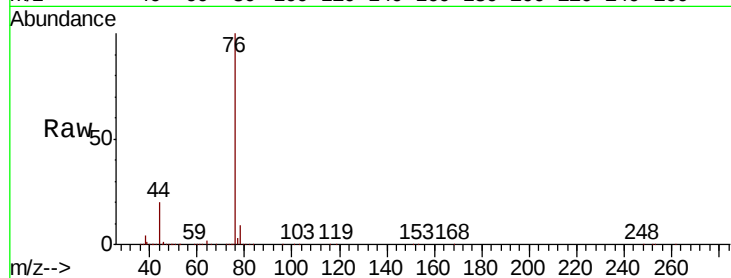




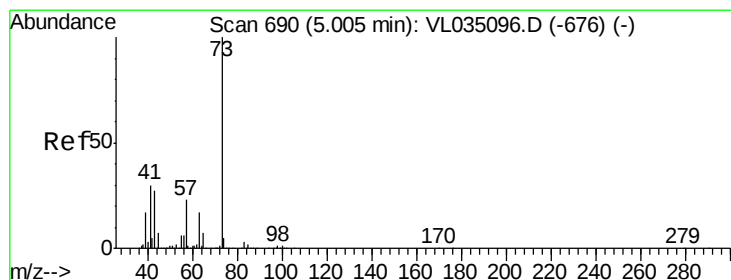
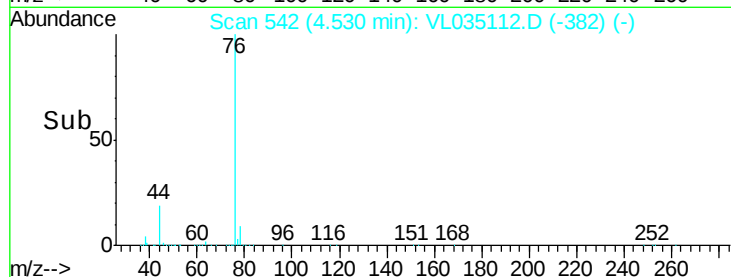
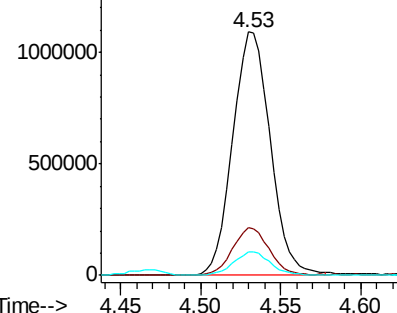
#27
Carbon Disulfide
Concen: 13.569 ppbv
RT: 4.53 min Scan# 542
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampled :
BFB

Tot Ion: 76 Resp: 1751364
Ion Ratio Lower Upper
76 100
44 19.0 15.8 23.8
78 9.6 7.6 11.4

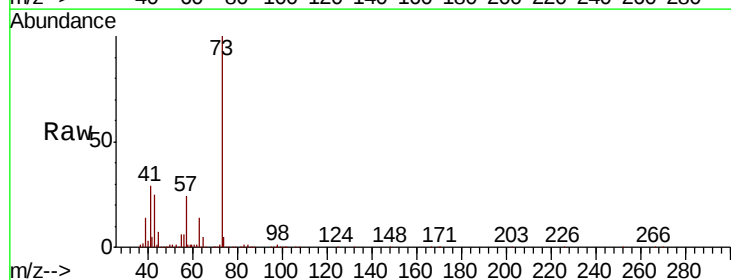


Abundance Ion 76.00 (75.70 to 76.70): VL0
1500000 Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

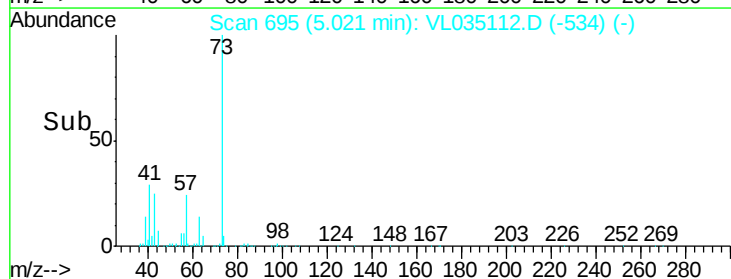
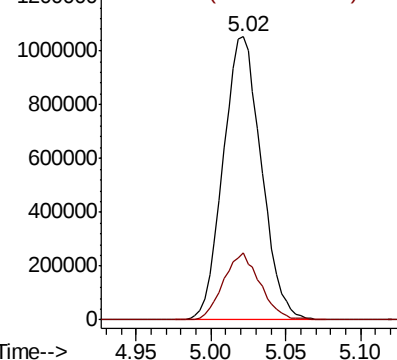


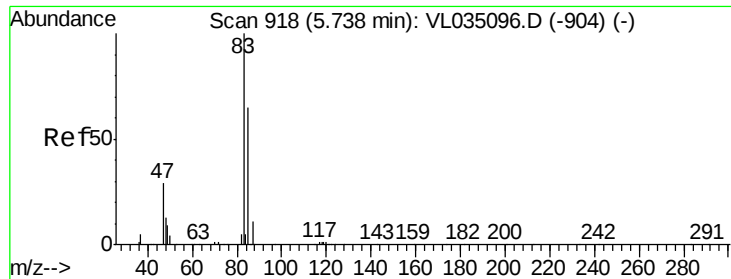
#28
Methyl tert-Butyl Ether
Concen: 10.686 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion: 73 Resp: 1872574
Ion Ratio Lower Upper
73 100
57 22.9 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0
1200000 Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.522 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

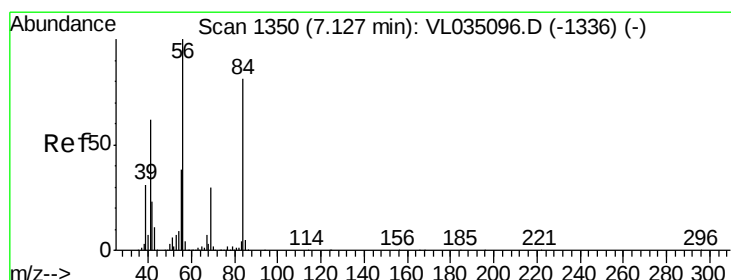
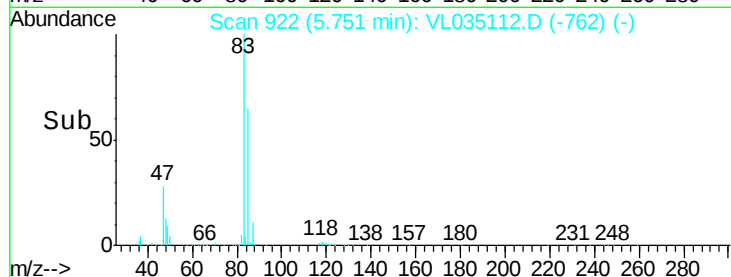
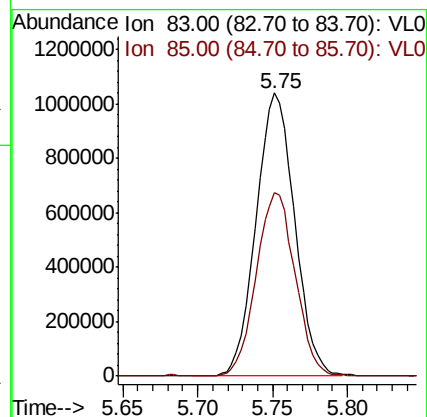
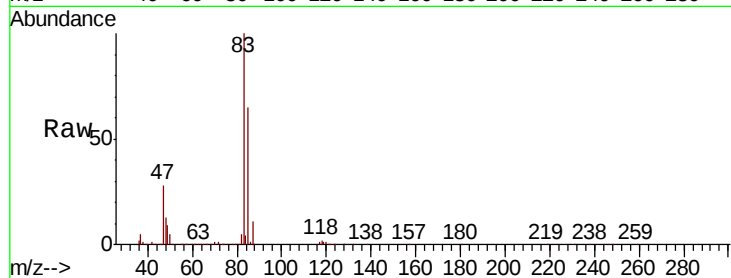
BFB

Tot Ion: 83 Resp: 1858348

Ion Ratio Lower Upper

83 100

85 64.8 52.1 78.1



#30

Cyclohexane

Concen: 11.119 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

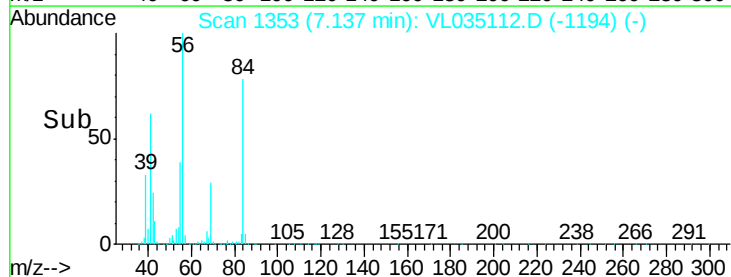
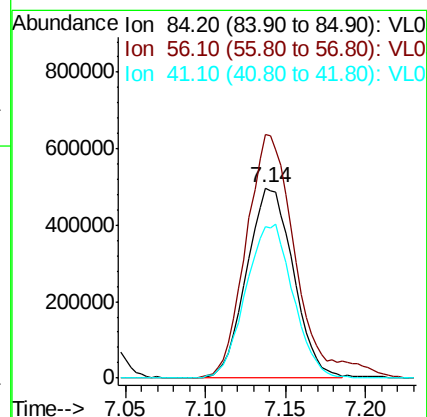
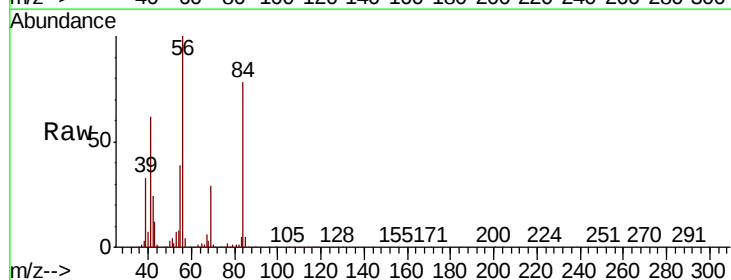
Tgt Ion: 84 Resp: 995282

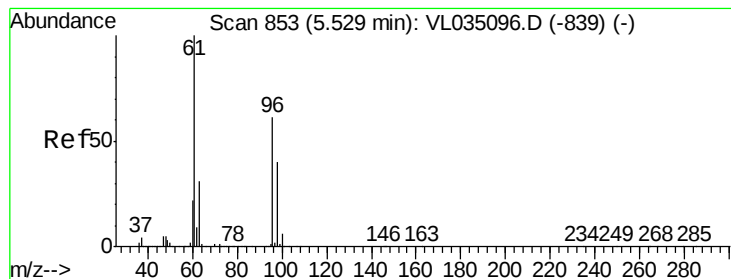
Ion Ratio Lower Upper

84 100

56 136.4 108.0 162.0

41 82.4 65.6 98.4



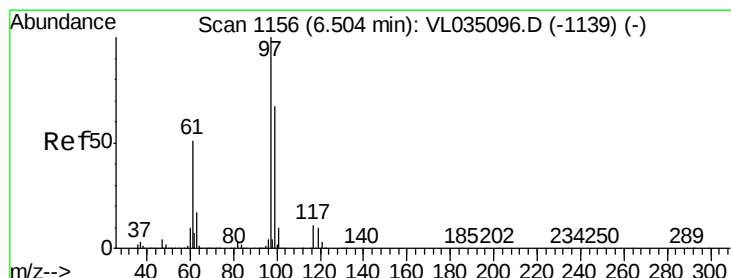
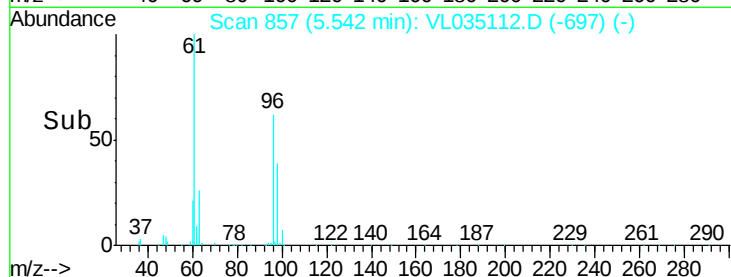
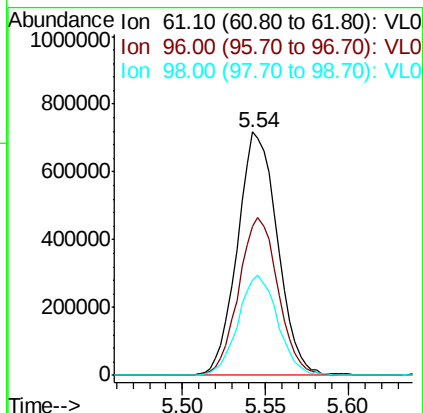
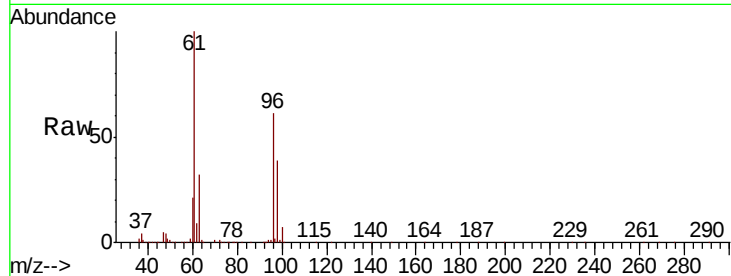


#31

cis-1,2-Dichloroethene
 Concen: 10.509 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

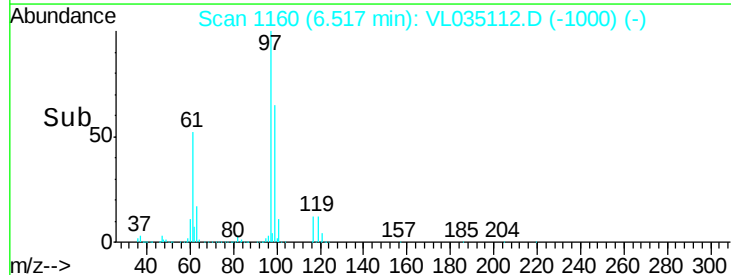
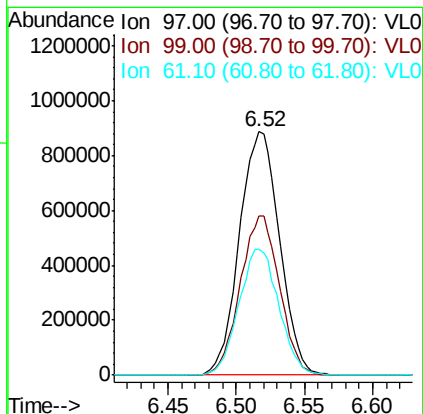
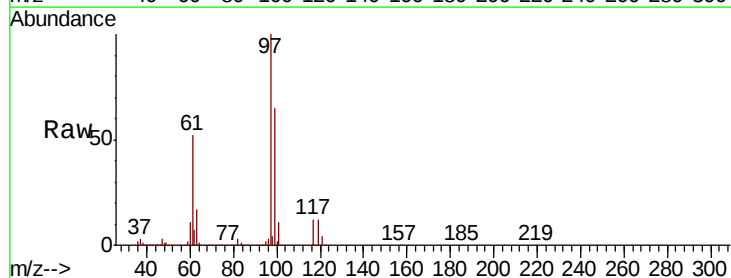
Tot Ion: 61 Resp: 1208137
 Ion Ratio Lower Upper
 61 100
 96 61.2 48.8 73.2
 98 39.0 31.9 47.9

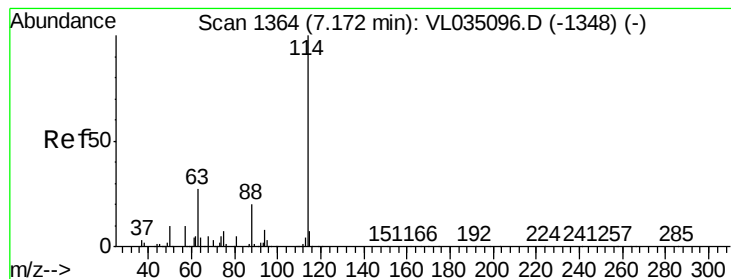


#32

1,1,1-Trichloroethane
 Concen: 10.031 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion: 97 Resp: 1815801
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.0 78.0
 61 51.5 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

BFB

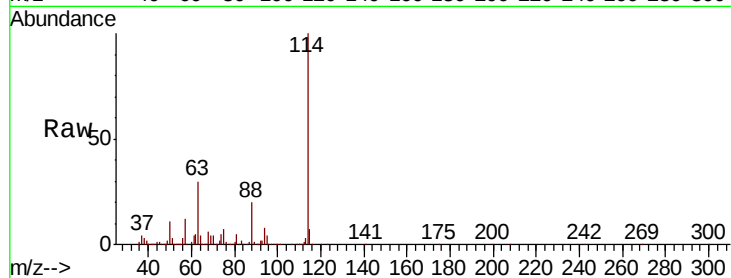
Tot Ion:114 Resp: 2995437

Ion Ratio Lower Upper

114 100

63 27.7 21.9 32.9

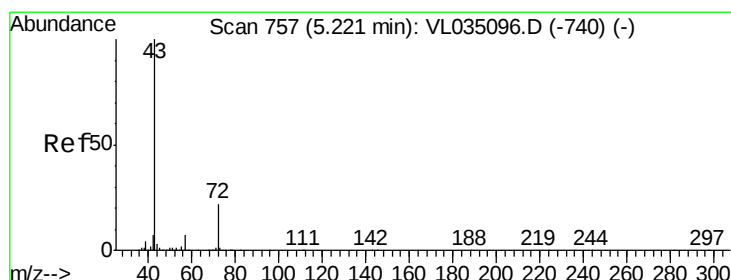
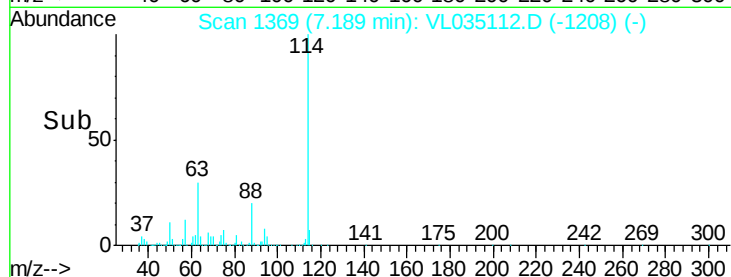
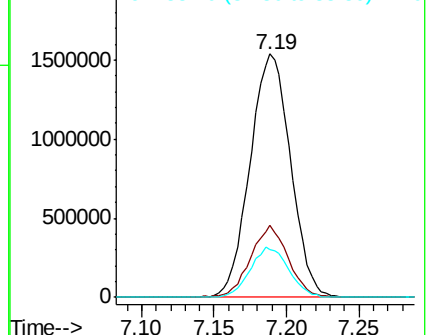
88 19.6 15.6 23.4



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.114 ppbv

RT: 5.24 min Scan# 762

Delta R.T. 0.02 min

Lab File: VL035112.D

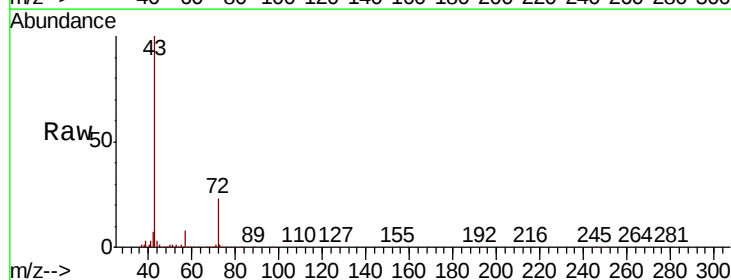
Acq: 22 Jun 2020 15:54

Tgt Ion: 43 Resp: 1739755

Ion Ratio Lower Upper

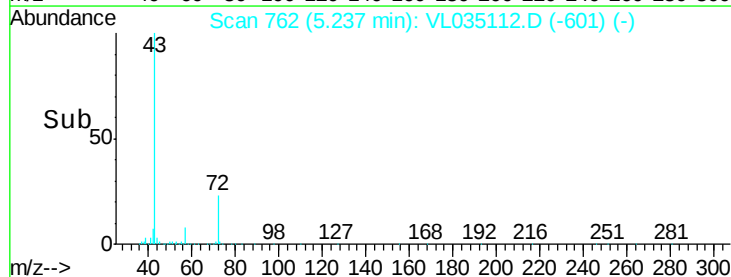
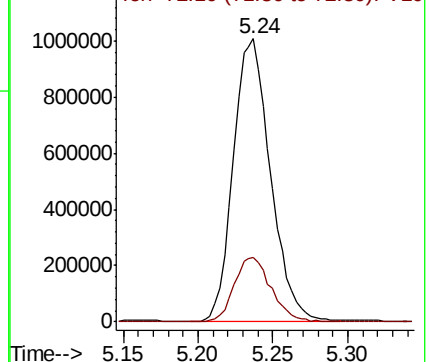
43 100

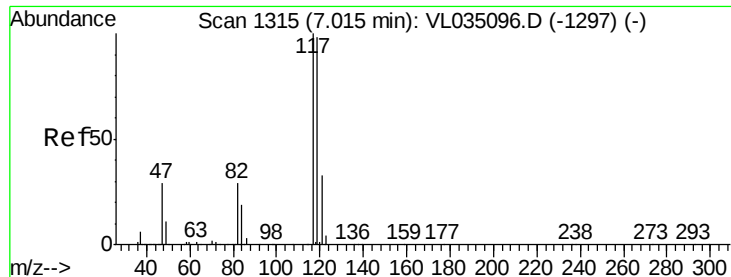
72 22.6 18.3 27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

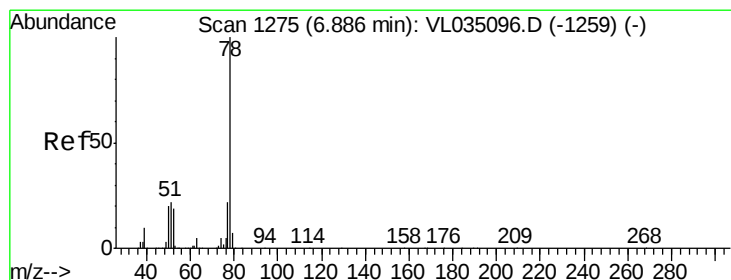
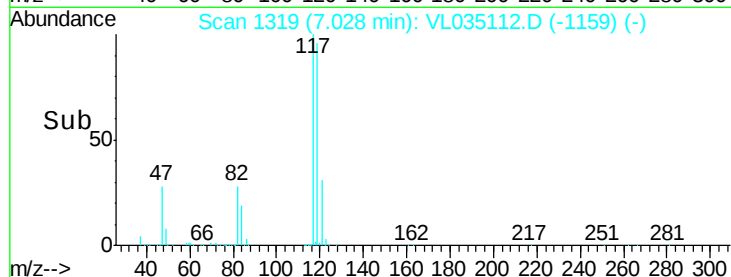
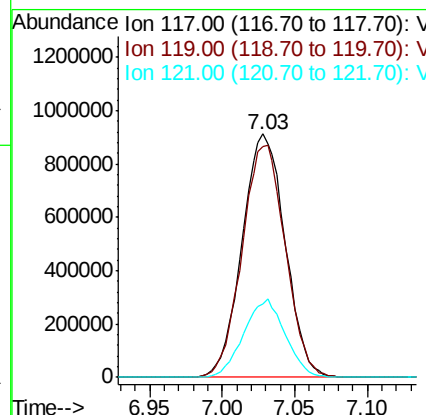
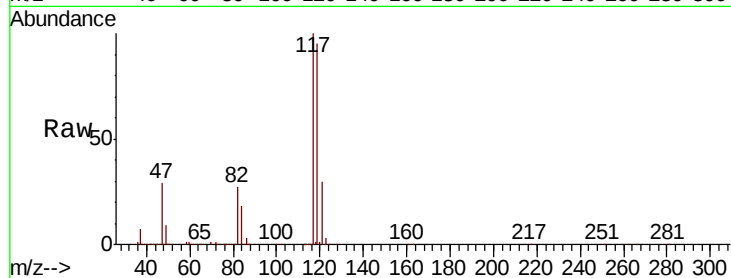




#35
Carbon Tetrachloride
Concen: 10.473 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

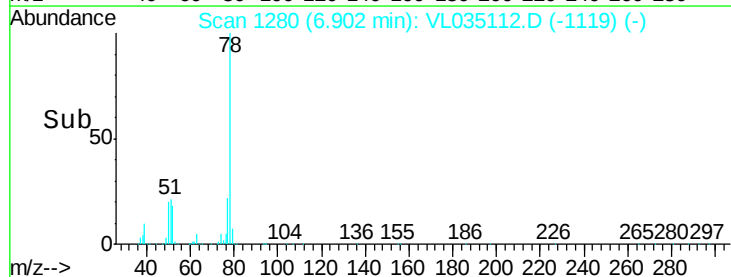
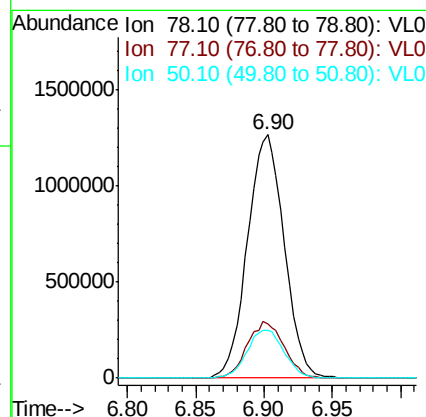
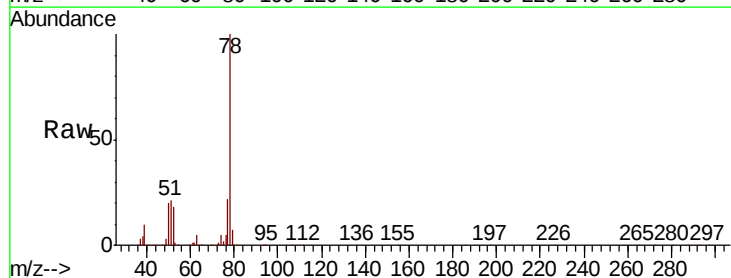
Instrument :
MSVOA_L
ClientSampled :
BFB

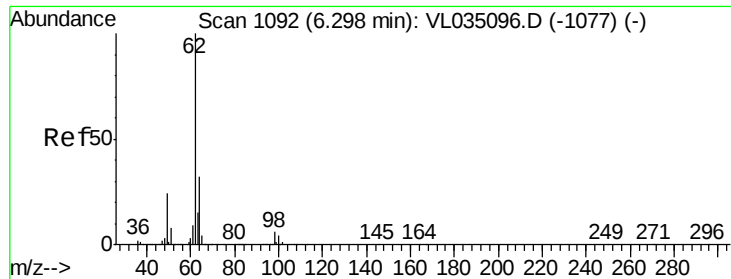
Tot Ion:117 Resp: 1881607
Ion Ratio Lower Upper
117 100
119 94.7 78.3 117.5
121 30.2 26.0 39.0



#36
Benzene
Concen: 10.197 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion: 78 Resp: 2365138
Ion Ratio Lower Upper
78 100
77 22.4 17.8 26.6
50 19.7 16.2 24.2

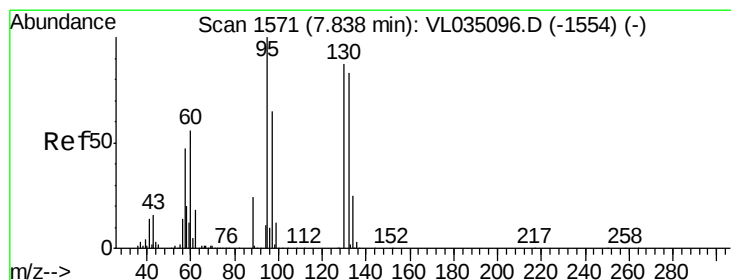
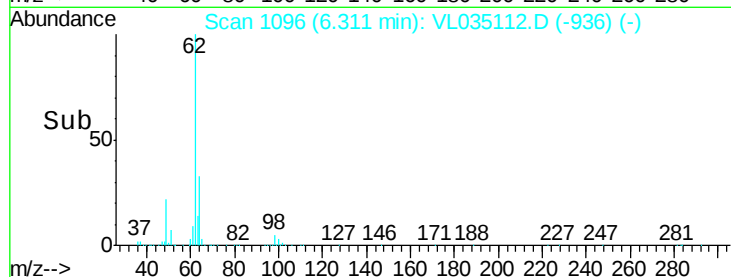
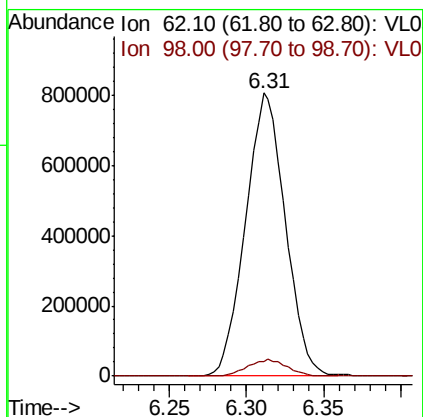
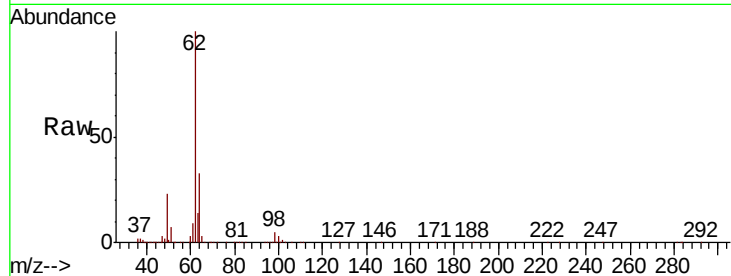




#37
 1,2-Dichloroethane
 Concen: 9.832 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

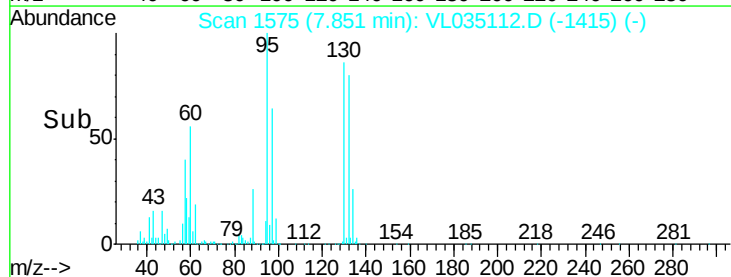
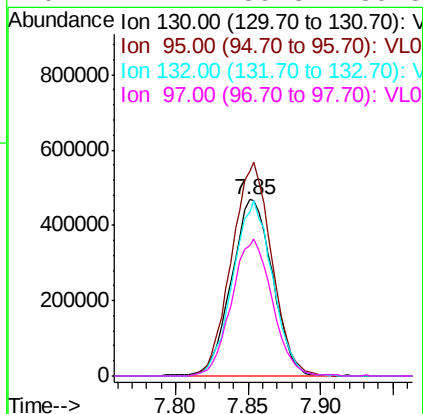
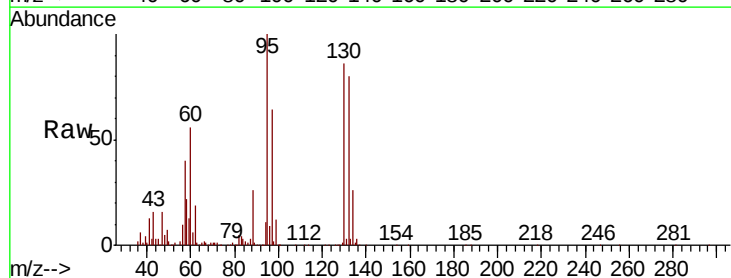
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

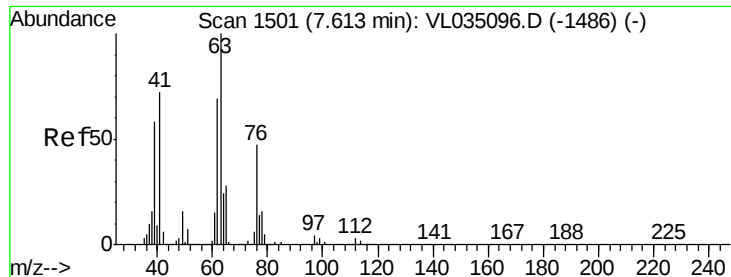
Tot Ion: 62 Resp: 1441305
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.8 7.2



#38
 Trichloroethene
 Concen: 10.182 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion: 130 Resp: 917359
 Ion Ratio Lower Upper
 130 100
 95 115.9 91.4 137.2
 132 93.1 75.8 113.6
 97 74.2 59.8 89.8





#39

1,2-Dichloropropane

Concen: 10.337 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

BFB

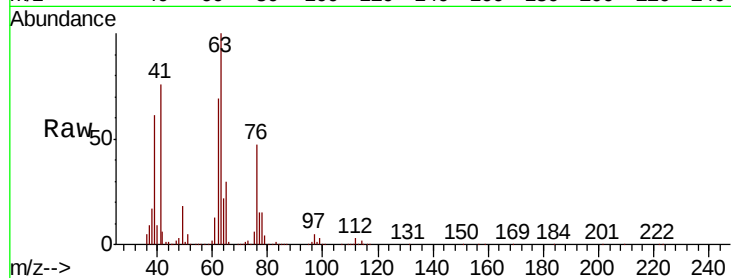
Tot Ion: 63 Resp: 937740

Ion Ratio Lower Upper

63 100

41 75.8 58.0 87.0

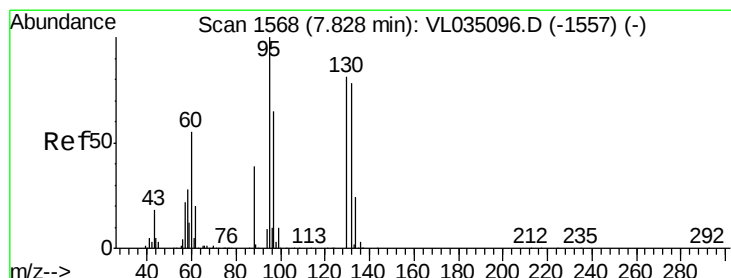
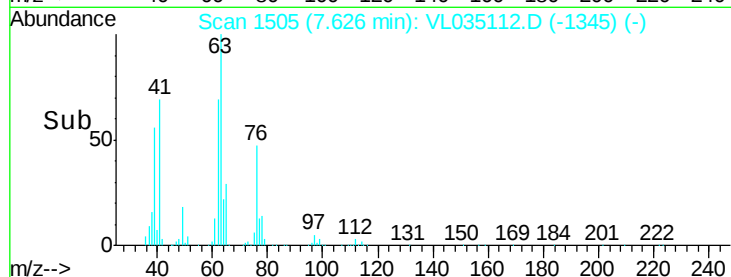
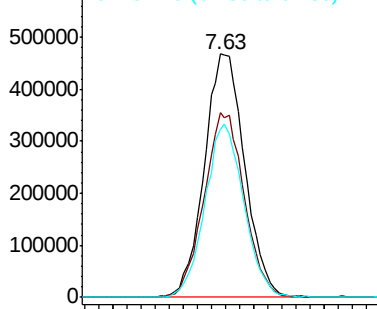
62 69.1 55.4 83.0



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: 10.000 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Tgt Ion: 88 Resp: 357839

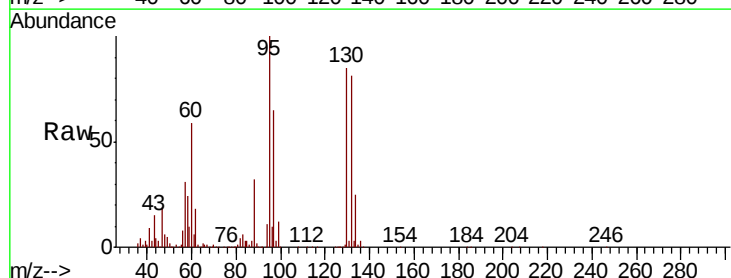
Ion Ratio Lower Upper

88 100

58 131.1 110.2 165.4

43 261.1 0.0 0.0#

57 1132.4 0.0 0.0#

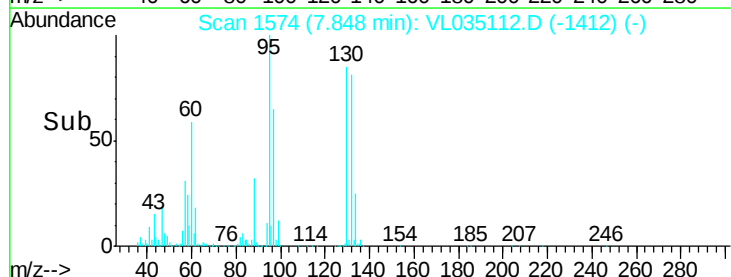
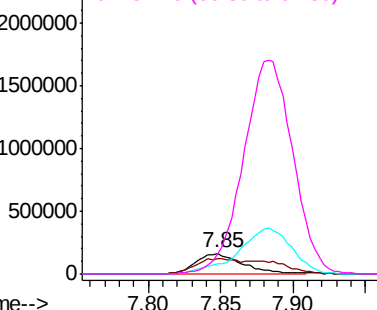


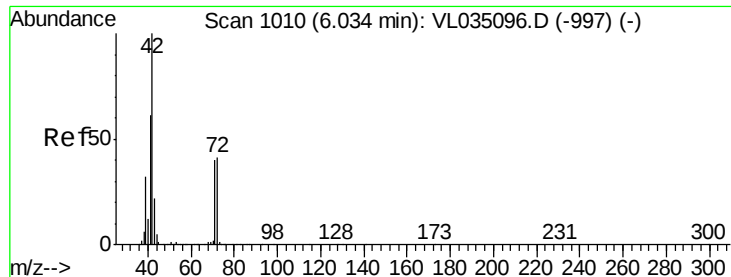
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.990 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

BFB

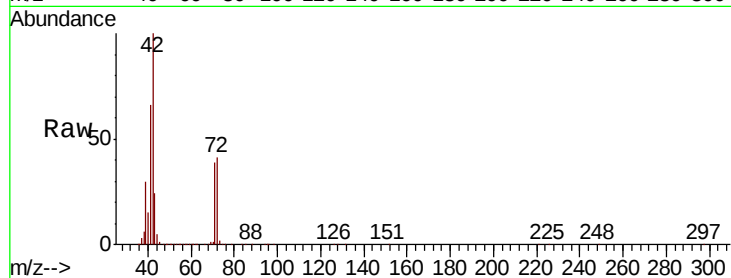
Tot Ion: 42 Resp: 965551

Ion Ratio Lower Upper

42 100

72 41.6 33.4 50.2

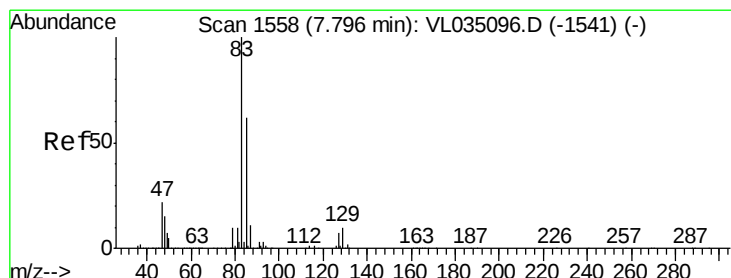
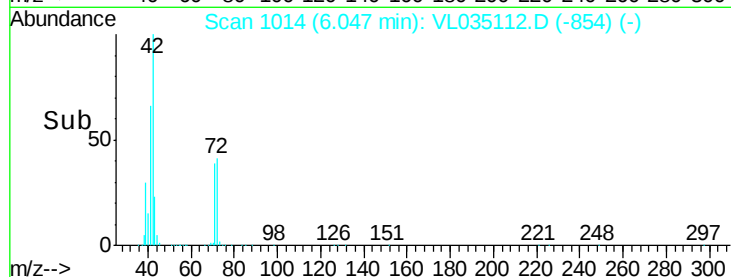
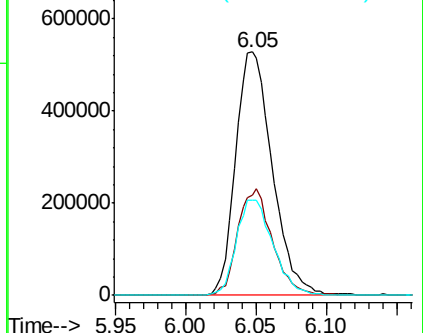
71 39.3 31.8 47.6



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.740 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

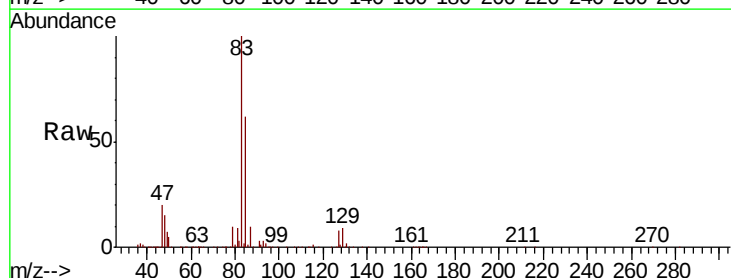
Tgt Ion: 83 Resp: 2039124

Ion Ratio Lower Upper

83 100

85 61.8 49.4 74.0

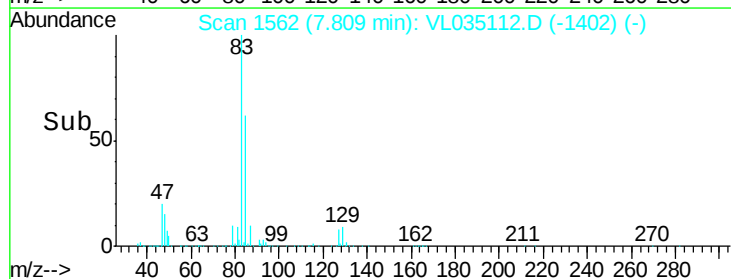
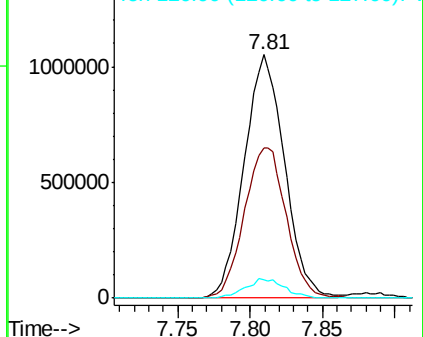
127 7.6 5.9 8.9

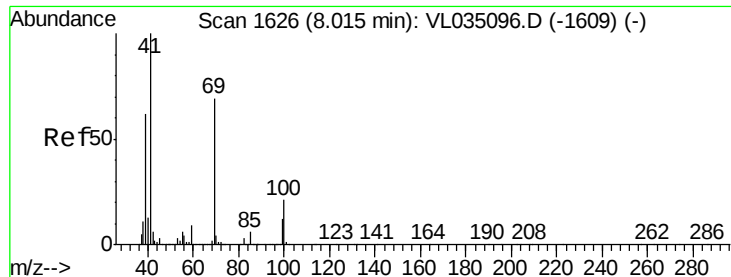


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

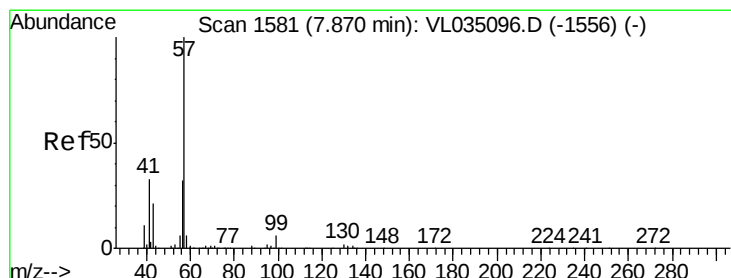
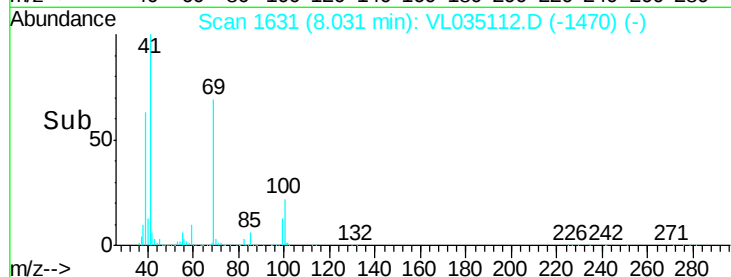
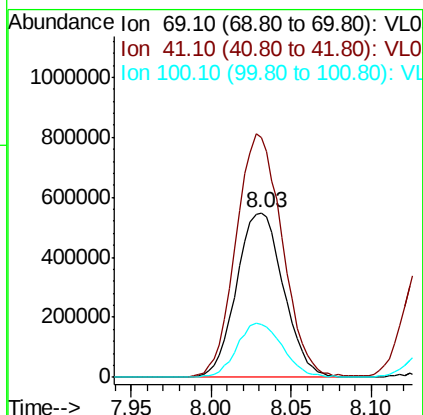
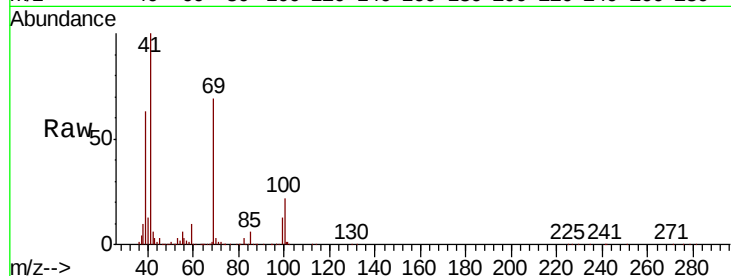




#43
Methvl Methacrilate
Concen: 11.160 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

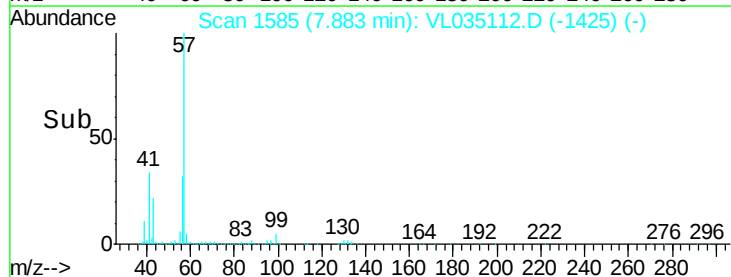
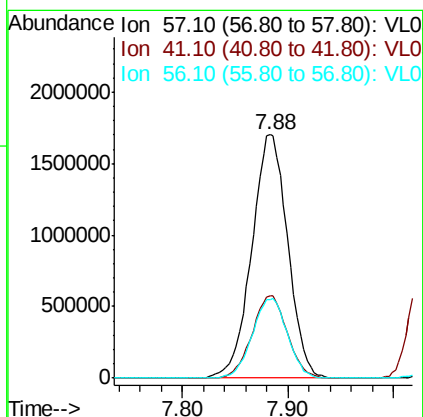
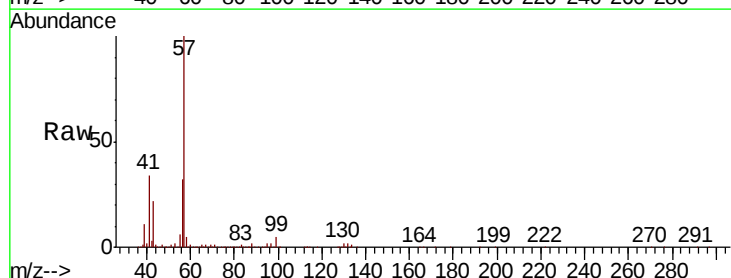
Instrument :
MSVOA_L
ClientSampleId :
BFB

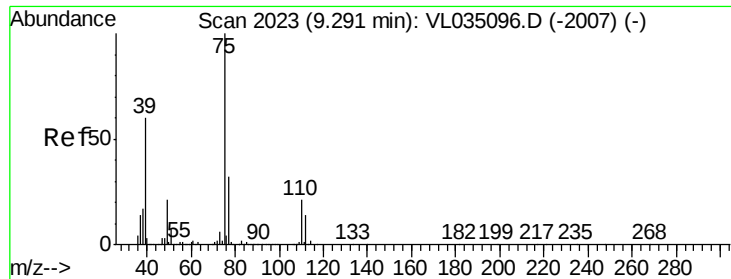
Tot Ion: 69 Resp: 1095715
Ion Ratio Lower Upper
69 100
41 146.1 116.4 174.6
100 32.0 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 9.991 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion: 57 Resp: 4044596
Ion Ratio Lower Upper
57 100
41 33.0 26.2 39.2
56 32.0 25.4 38.2

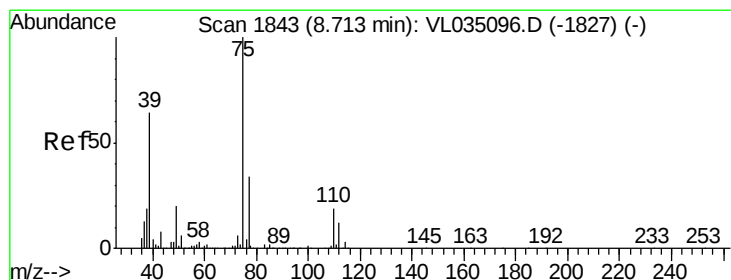
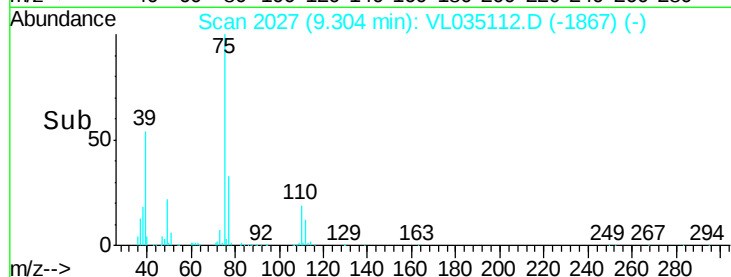
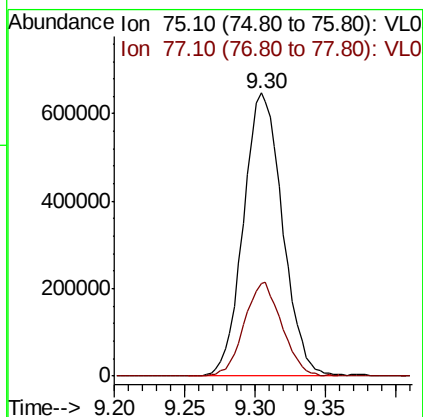
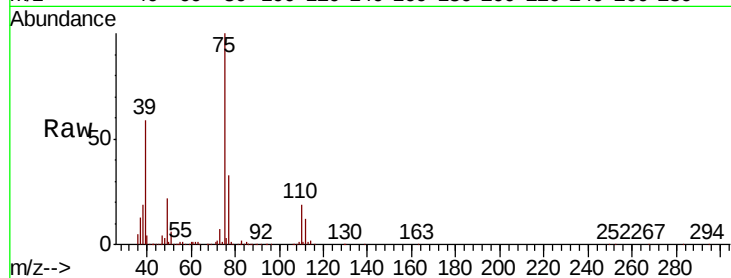




#45
 t-1,3-Dichloropropene
 Concen: 13.173 ppbv
 RT: 9.30 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

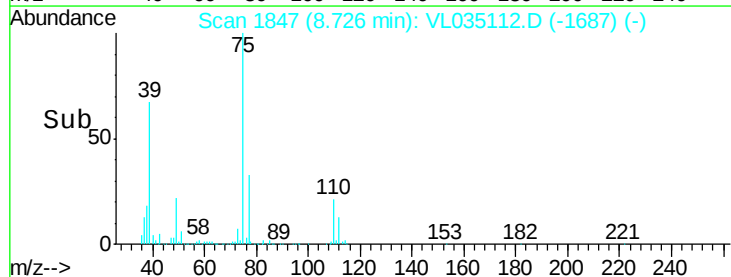
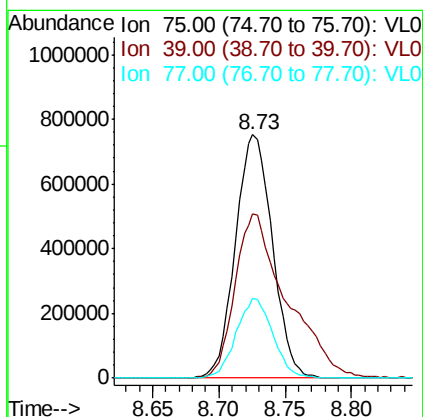
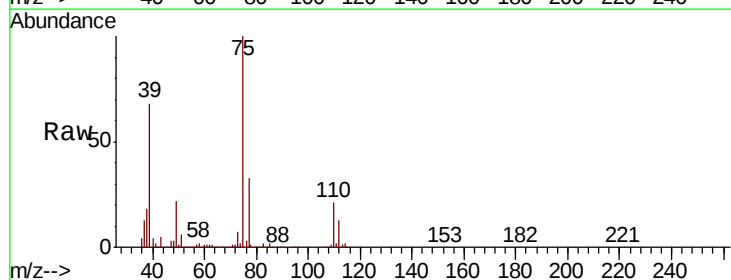
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

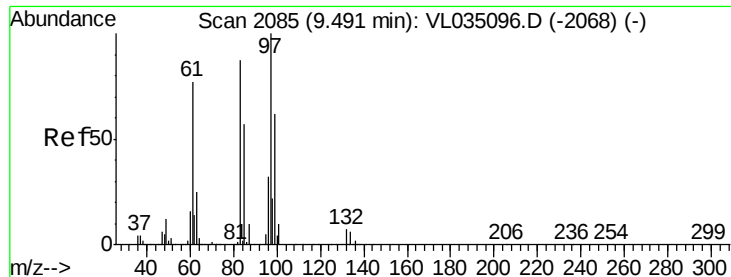
Tot Ion: 75 Resp: 1258629
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 12.271 ppbv
 RT: 8.73 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion: 75 Resp: 1456556
 Ion Ratio Lower Upper
 75 100
 39 67.5 51.1 76.7
 77 32.7 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 10.081 ppbv

RT: 9.50 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tot Ion: 97 Resp: 998101

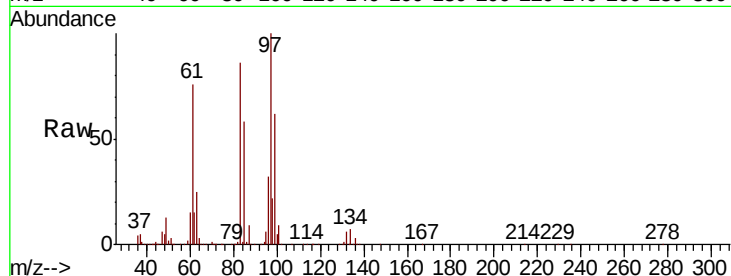
Ion Ratio Lower Upper

97 100

83 85.6 69.5 104.3

85 57.8 46.0 69.0

99 62.1 49.6 74.4

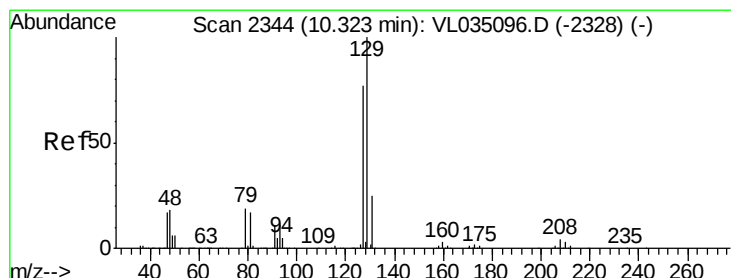
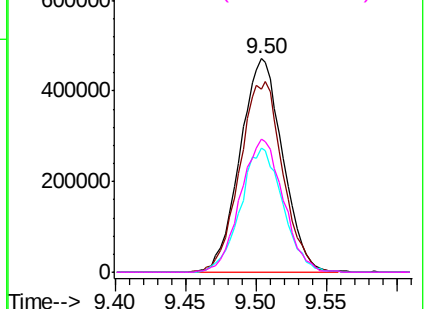
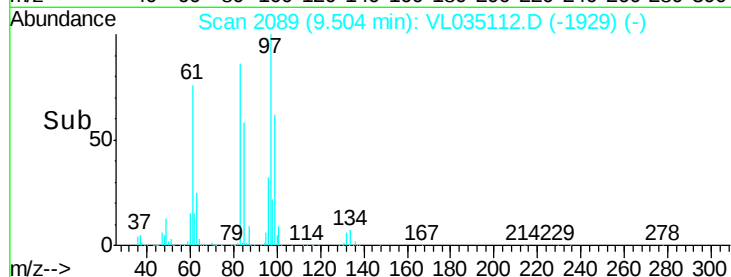


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.614 ppbv

RT: 10.34 min Scan# 2348

Delta R.T. 0.01 min

Lab File: VL035112.D

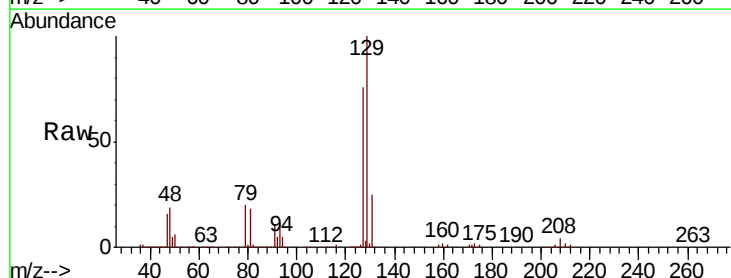
Acq: 22 Jun 2020 15:54

Tgt Ion: 129 Resp: 1714259

Ion Ratio Lower Upper

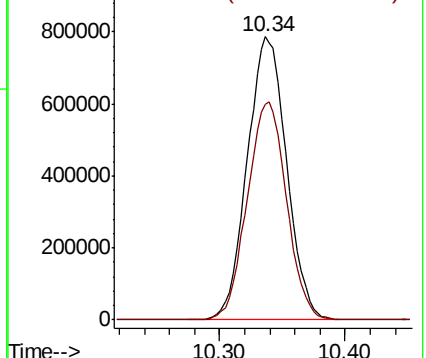
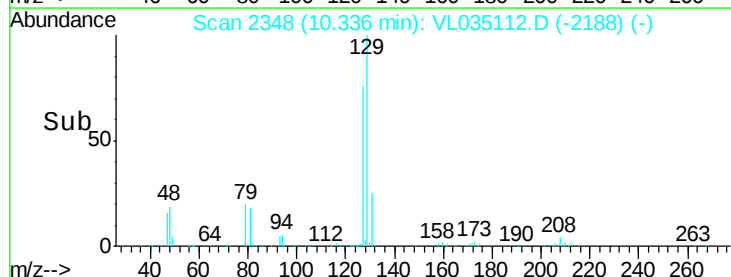
129 100

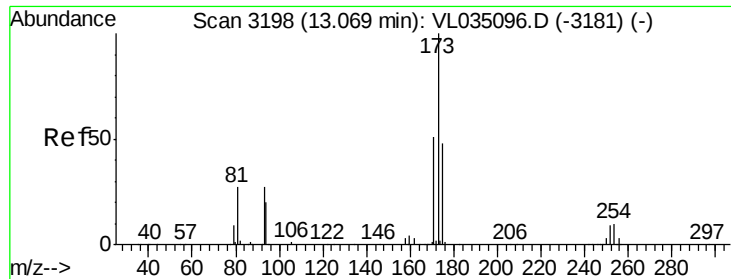
127 77.0 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.695 ppbv

RT: 13.09 min Scan# 3204

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

BFB

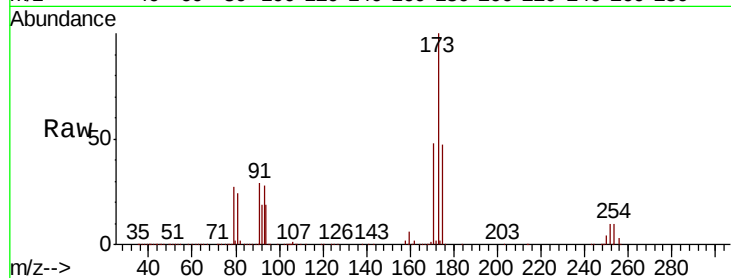
Tot Ion:173 Resp: 1466509

Ion Ratio Lower Upper

173 100

175 49.6 39.1 58.7

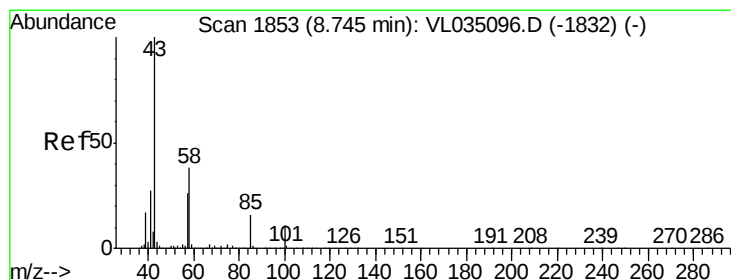
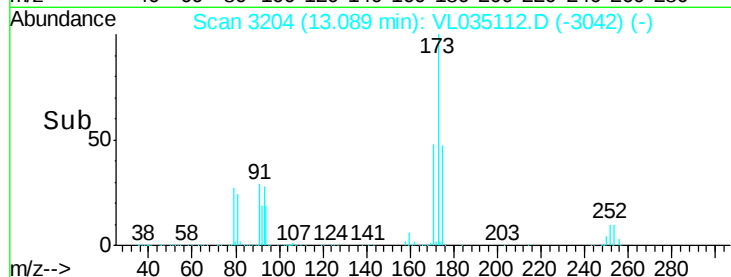
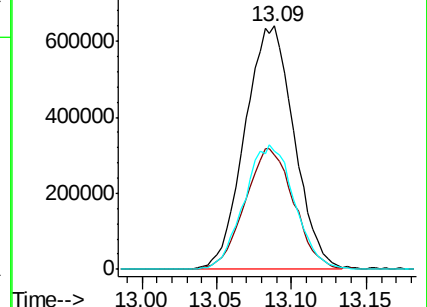
171 52.1 41.7 62.5



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: 10.590 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VL035112.D

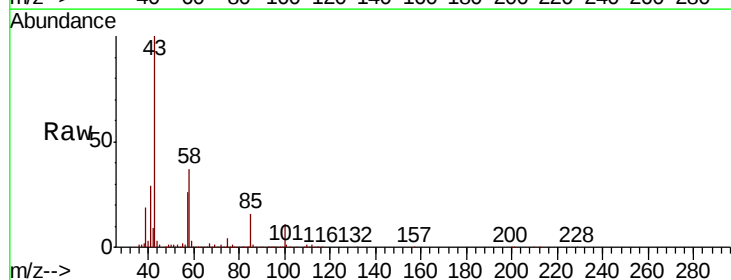
Acq: 22 Jun 2020 15:54

Tgt Ion: 43 Resp: 2588132

Ion Ratio Lower Upper

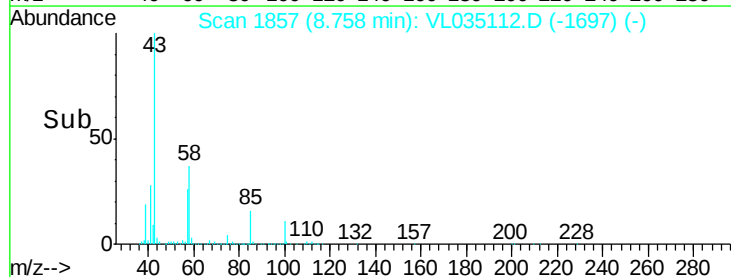
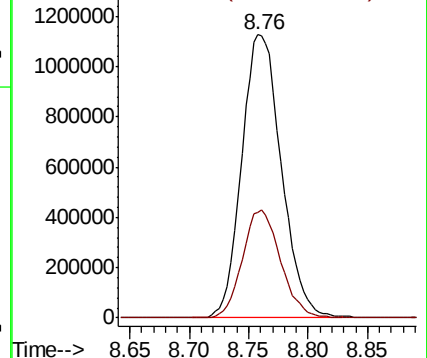
43 100

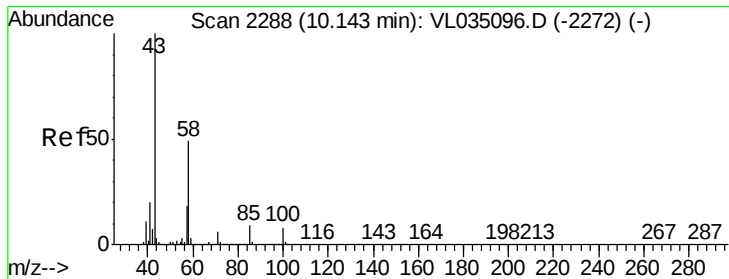
58 36.8 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

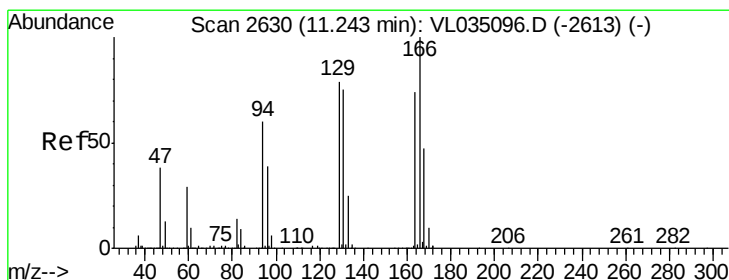
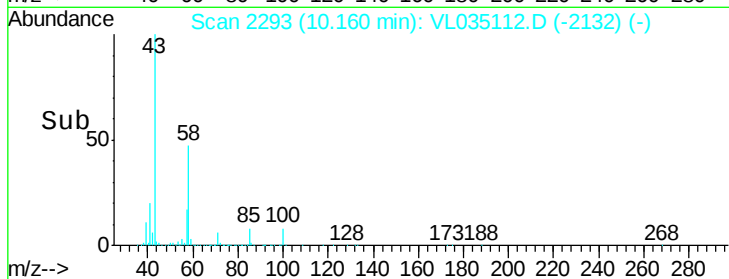
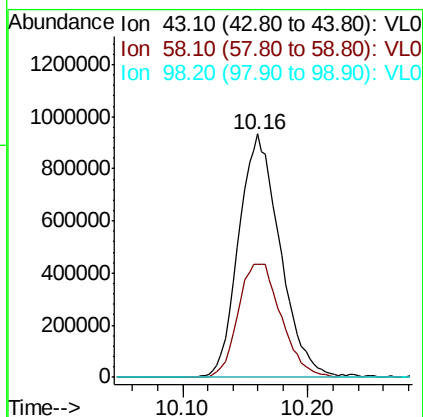
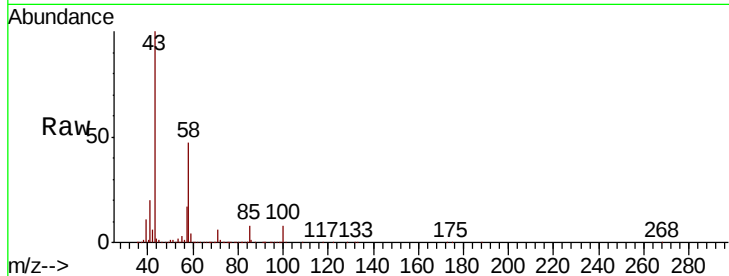




#51
2-Hexanone
Concen: 11.140 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

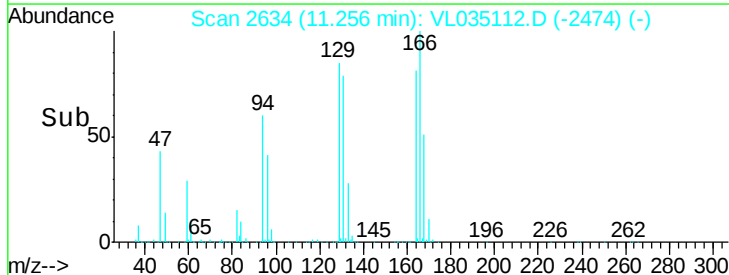
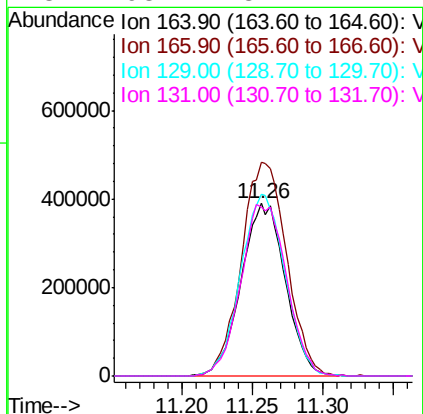
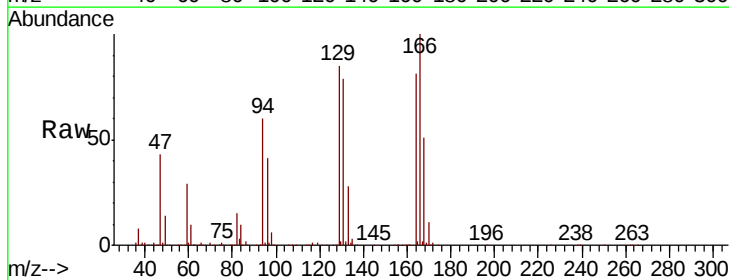
Instrument :
MSVOA_L
ClientSampleId :
BFB

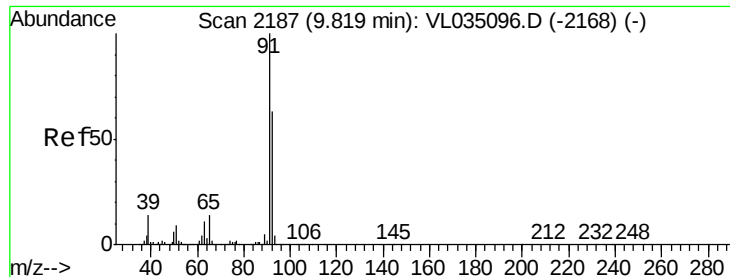
Tot Ion: 43 Resp: 2132146
Ion Ratio Lower Upper
43 100
58 49.0 39.2 58.8
98 0.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.408 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion: 164 Resp: 850635
Ion Ratio Lower Upper
164 100
166 123.6 107.5 161.3
129 105.0 84.9 127.3
131 98.2 81.1 121.7





#53

Toluene

Concen: 11.219 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

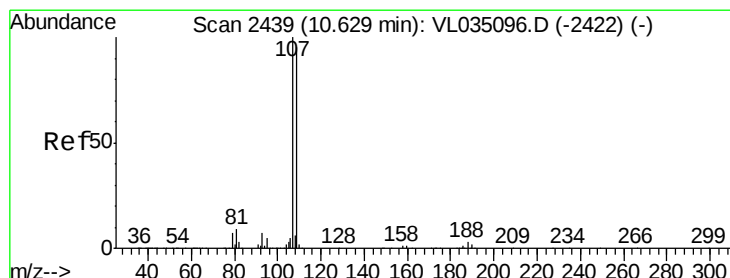
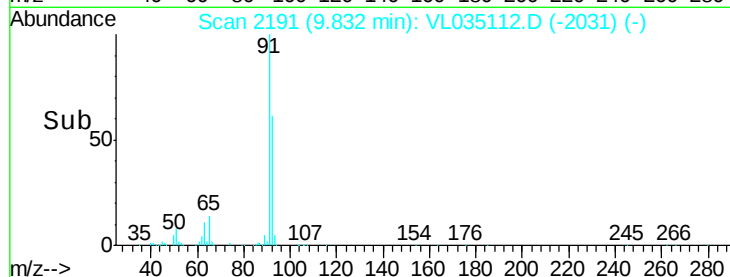
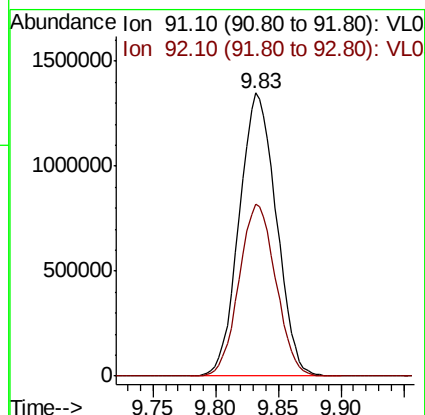
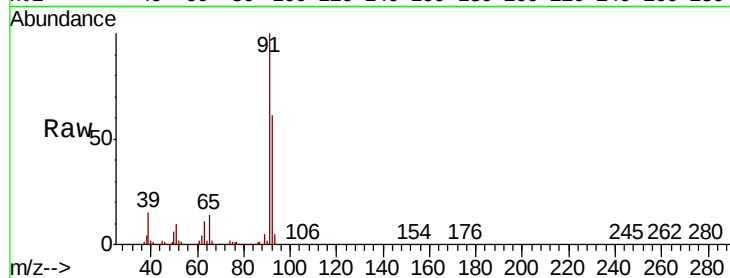
BFB

Tot Ion: 91 Resp: 2775731

Ion Ratio Lower Upper

91 100

92 60.3 49.0 73.6



#54

1,2-Dibromoethane

Concen: 10.397 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.02 min

Lab File: VL035112.D

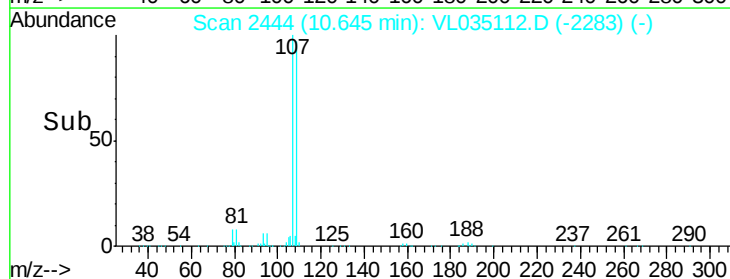
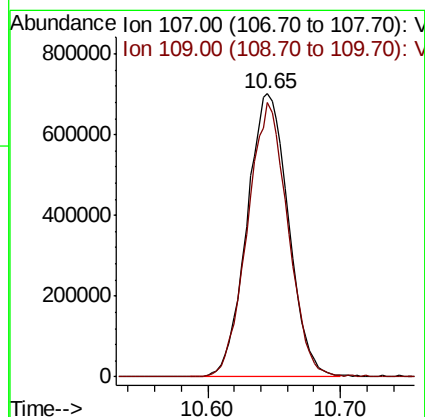
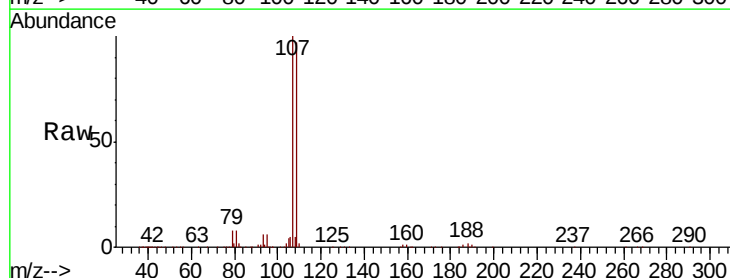
Acq: 22 Jun 2020 15:54

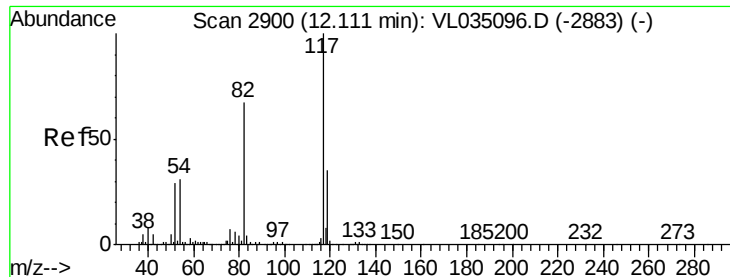
Tgt Ion: 107 Resp: 1524263

Ion Ratio Lower Upper

107 100

109 96.7 75.9 113.9

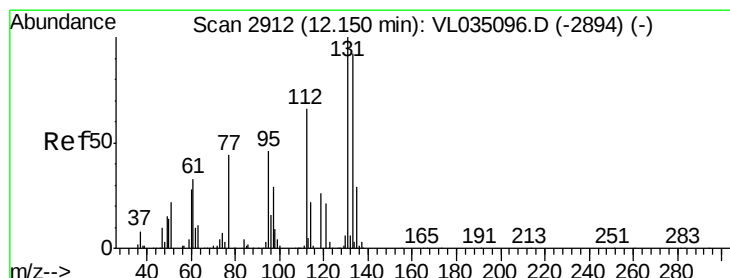
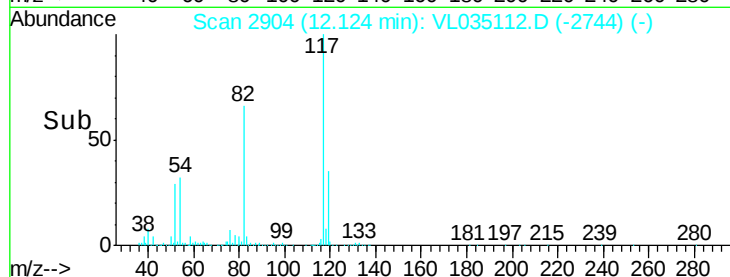
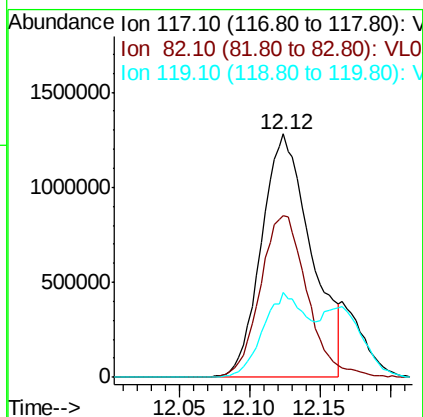
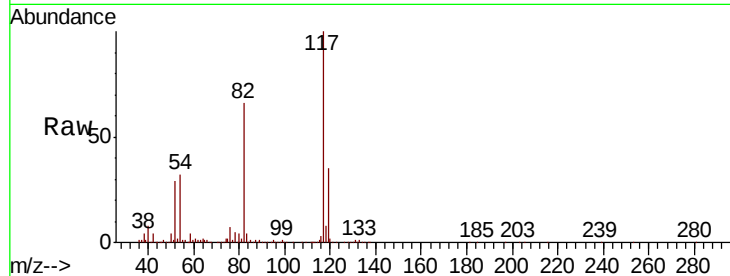




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

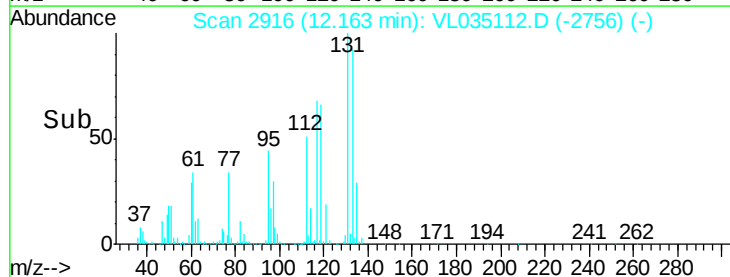
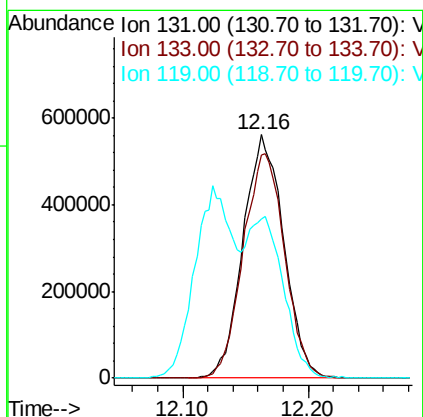
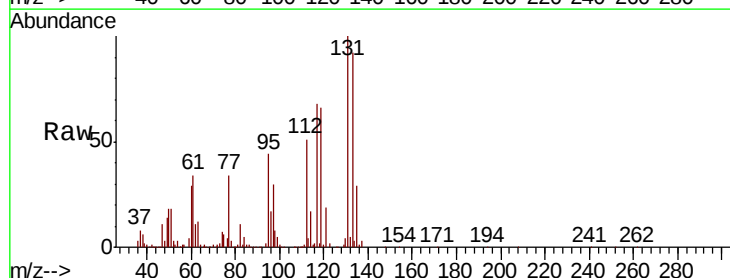
Instrument :
MSVOA_L
ClientSampleId :
BFB

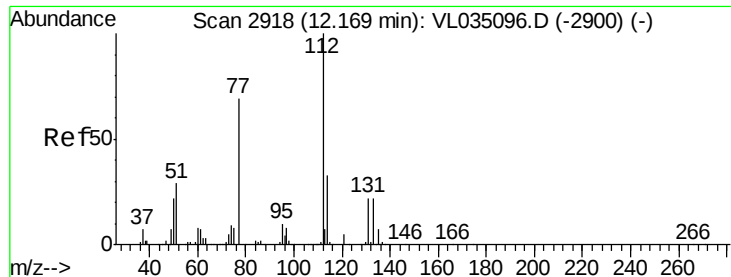
Tot Ion:117 Resp: 3144938
Ion Ratio Lower Upper
117 100
82 63.0 50.4 75.6
119 32.7 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.820 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion:131 Resp: 1263923
Ion Ratio Lower Upper
131 100
133 94.3 76.2 114.4
119 64.7 114.6 172.0#

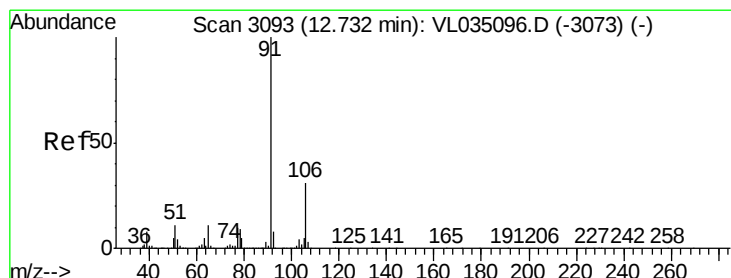
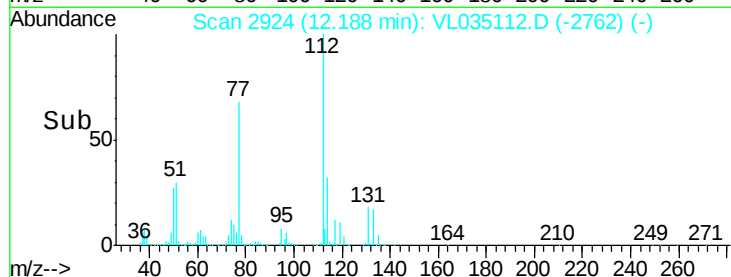
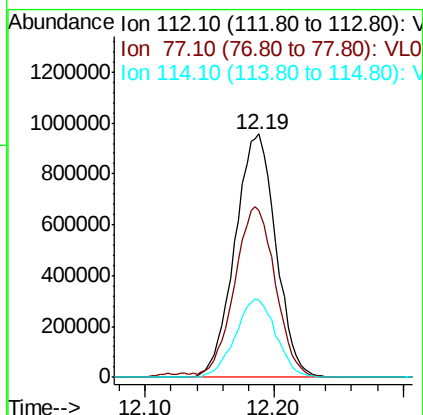
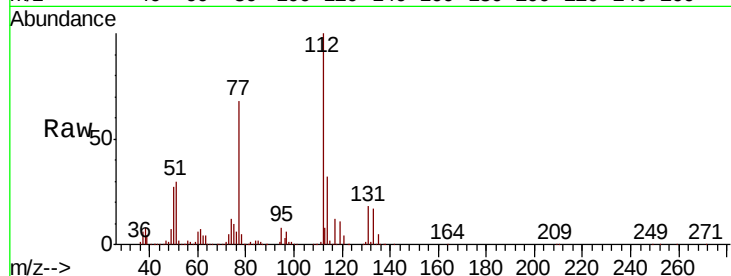




#57
Chlorobenzene
Concen: 9.047 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

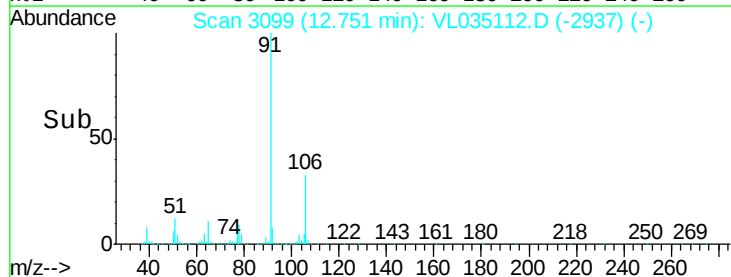
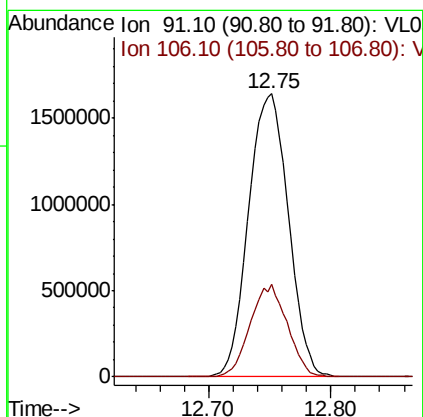
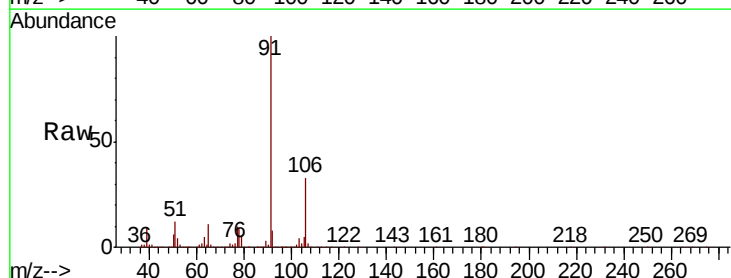
Instrument :
MSVOA_L
ClientSampleId :
BFB

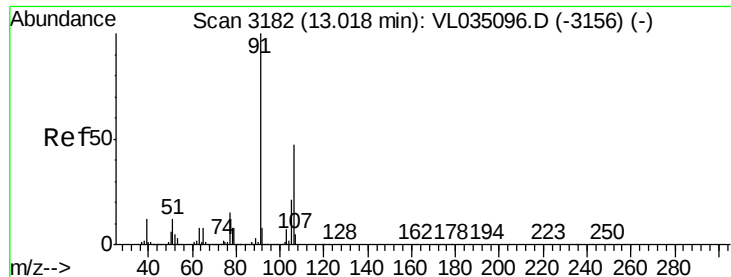
Tot Ion:112 Resp: 2093688
Ion Ratio Lower Upper
112 100
77 68.3 56.7 85.1
114 31.9 29.3 35.9



#58
Ethyl Benzene
Concen: 10.503 ppbv
RT: 12.75 min Scan# 3099
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion: 91 Resp: 3711397
Ion Ratio Lower Upper
91 100
106 32.7 25.0 37.6





#59

m/p-Xylene

Concen: 10.846 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

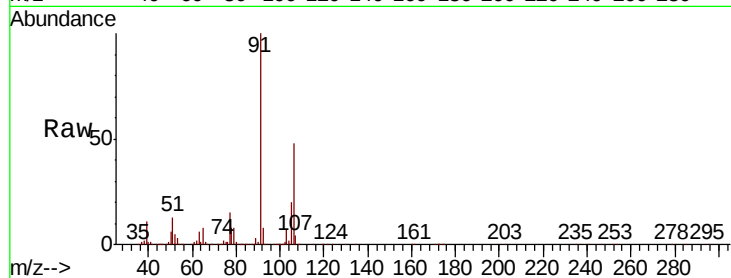
BFB

Tot Ion: 91 Resp: 3396402

Ion Ratio Lower Upper

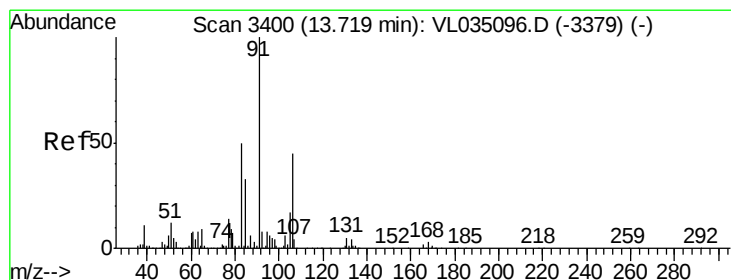
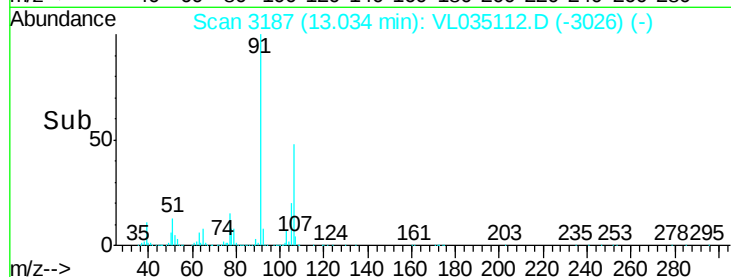
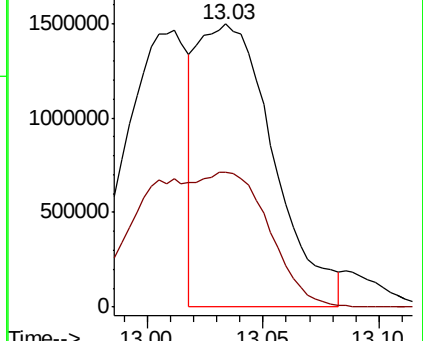
91 100

106 82.1 36.5 54.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 9.625 ppbv

RT: 13.73 min Scan# 3405

Delta R.T. 0.02 min

Lab File: VL035112.D

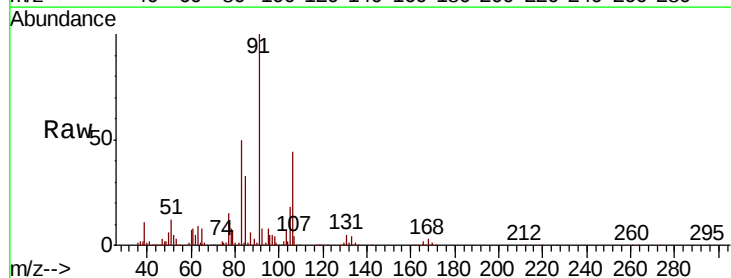
Acq: 22 Jun 2020 15:54

Tgt Ion: 91 Resp: 3000623

Ion Ratio Lower Upper

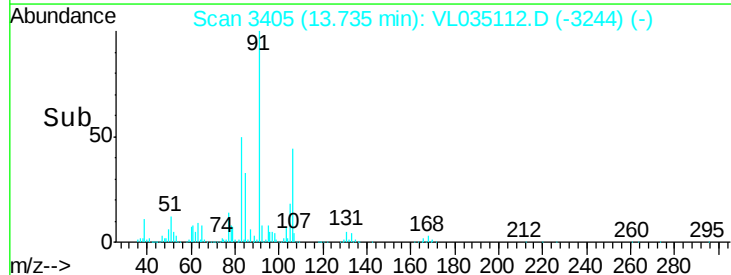
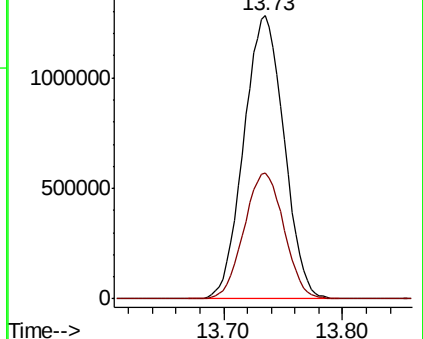
91 100

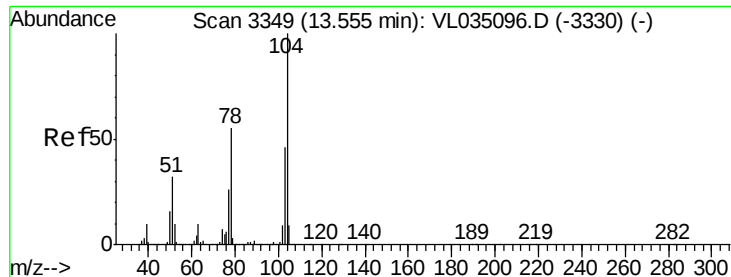
106 44.2 22.1 66.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 11.130 ppbv

RT: 13.57 min Scan# 3353

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

BFB

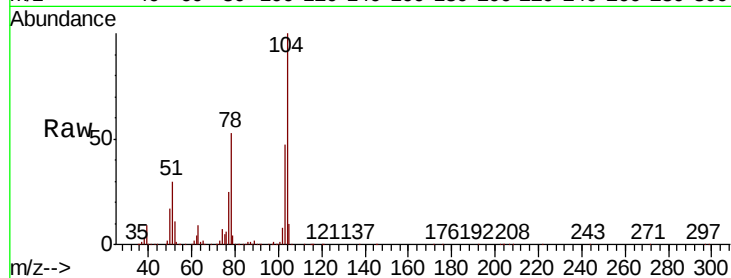
Tot Ion:104 Resp: 2183527

Ion Ratio Lower Upper

104 100

78 53.3 43.4 65.0

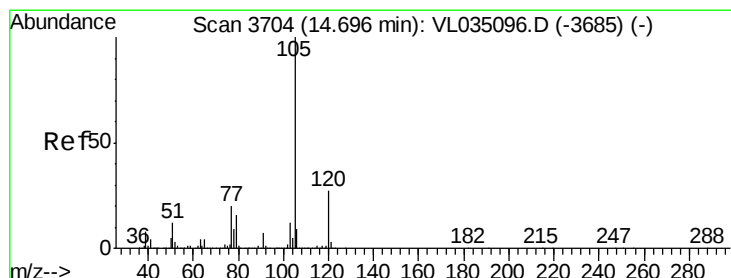
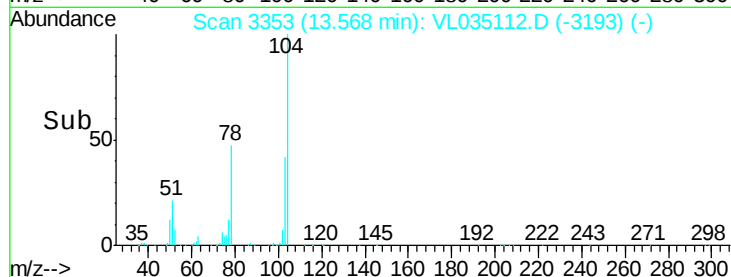
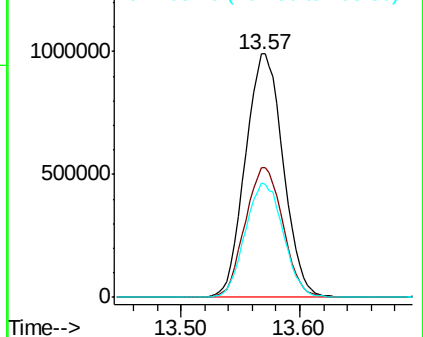
103 47.4 38.3 57.5



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: 9.533 ppbv

RT: 14.71 min Scan# 3709

Delta R.T. 0.02 min

Lab File: VL035112.D

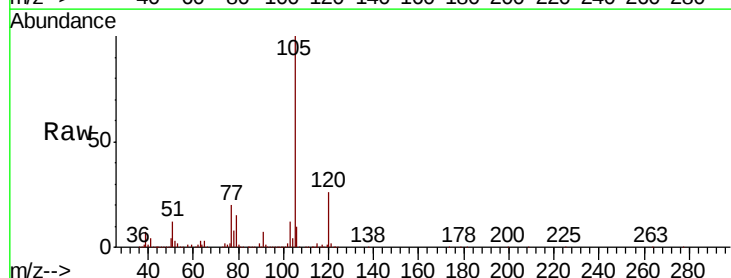
Acq: 22 Jun 2020 15:54

Tgt Ion:105 Resp: 4435168

Ion Ratio Lower Upper

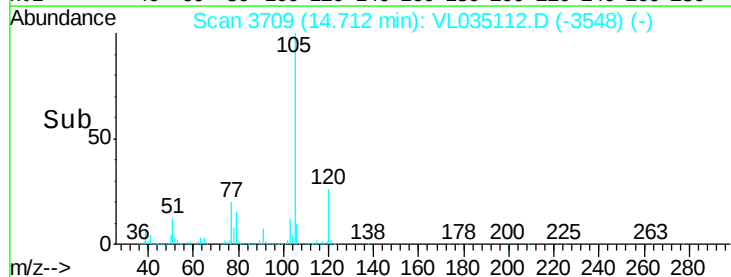
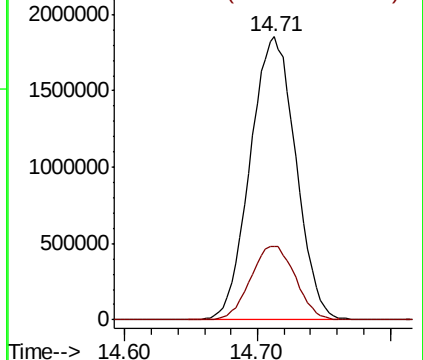
105 100

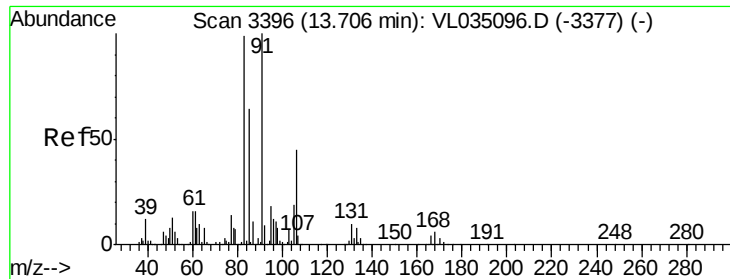
120 25.7 20.8 31.2



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: 8.369 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

BFB

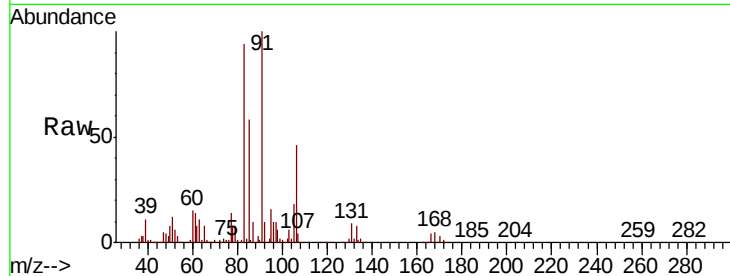
Tot Ion: 83 Resp: 2113224

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.0

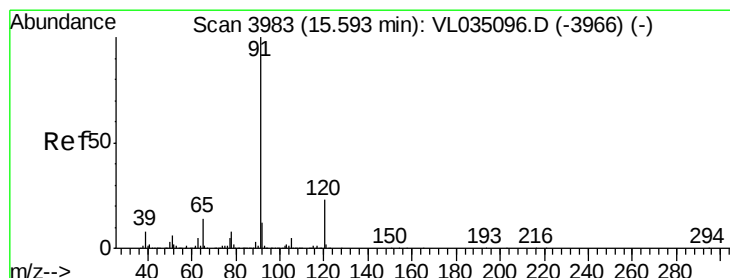
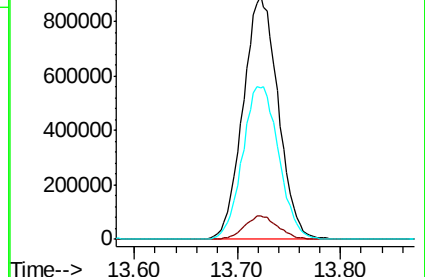
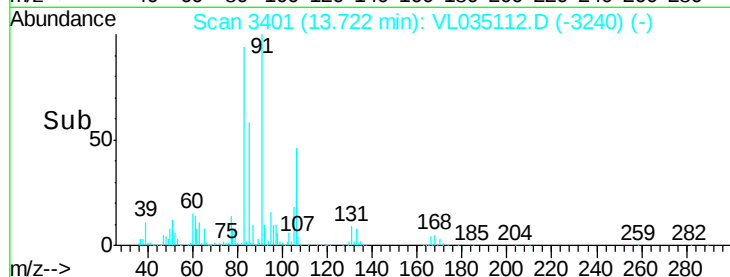
85 64.7 32.4 97.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.881 ppbv

RT: 15.61 min Scan# 3988

Delta R.T. 0.02 min

Lab File: VL035112.D

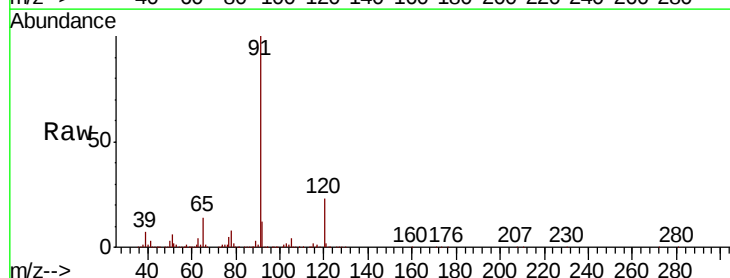
Acq: 22 Jun 2020 15:54

Tgt Ion:120 Resp: 1173132

Ion Ratio Lower Upper

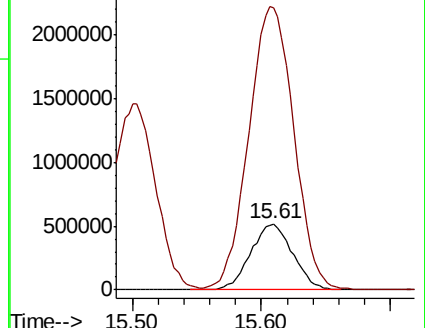
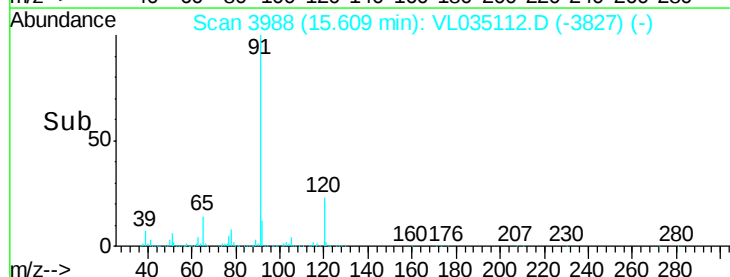
120 100

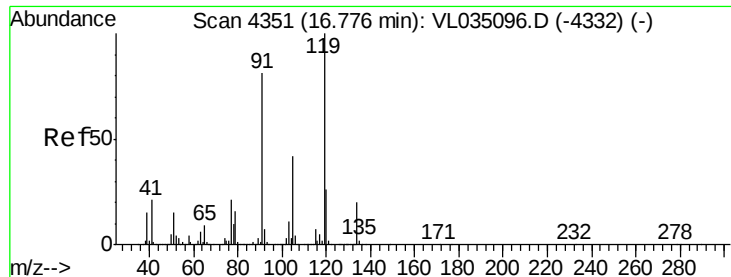
91 462.1 367.9 551.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.596 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

BFB

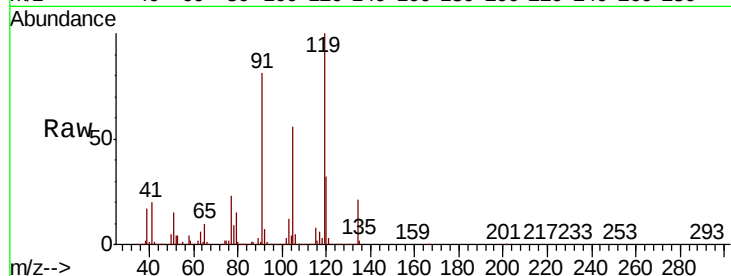
Tot Ion:119 Resp: 3822936

Ion Ratio Lower Upper

119 100

91 84.1 67.6 101.4

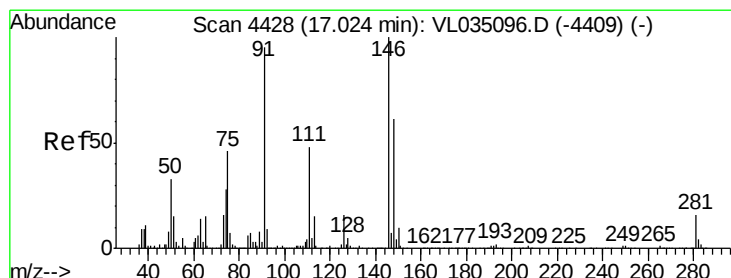
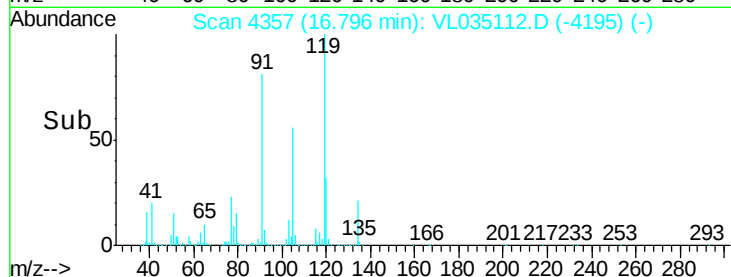
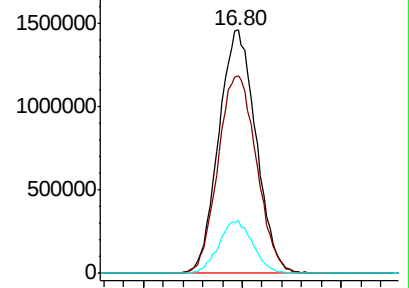
134 19.8 15.7 23.5



Abundance Ion 119.20 (118.90 to 119.90): V

2000000 Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 13.278 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

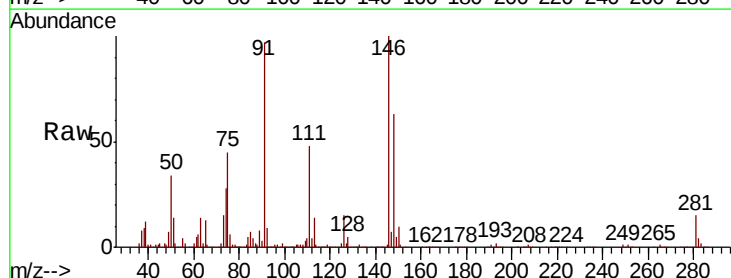
Tgt Ion: 91 Resp: 1633957

Ion Ratio Lower Upper

91 100

126 16.6 13.5 20.3

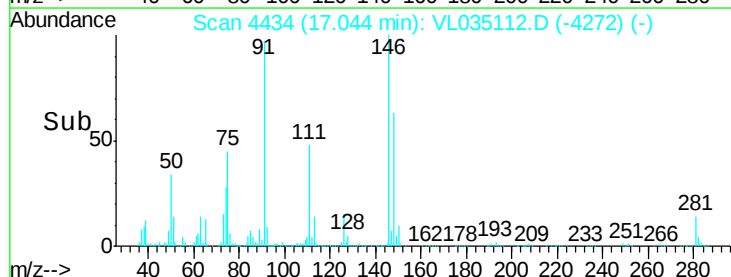
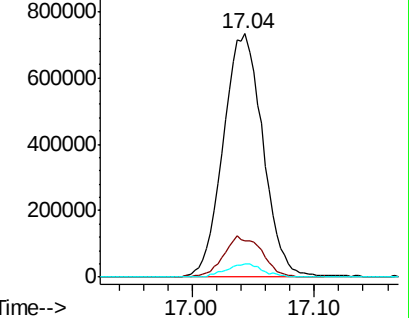
128 5.2 4.3 6.5

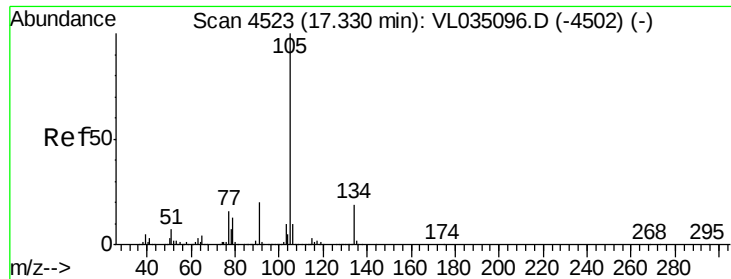


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.502 ppbv

RT: 17.34 min Scan# 4527

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

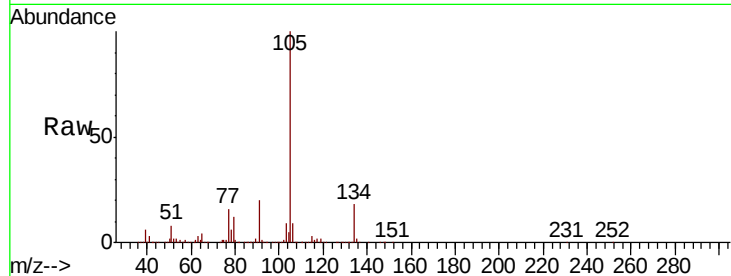
BFB

Tot Ion:105 Resp: 5425185

Ion Ratio Lower Upper

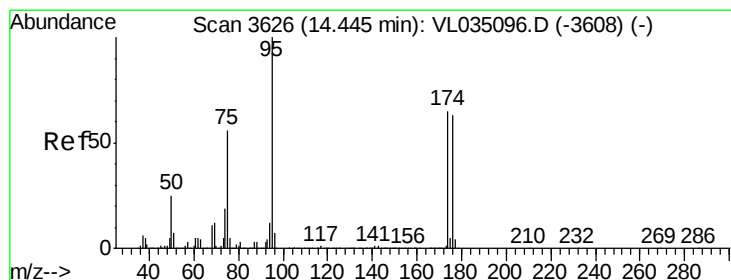
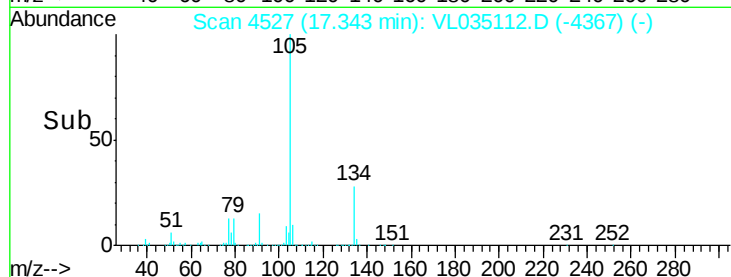
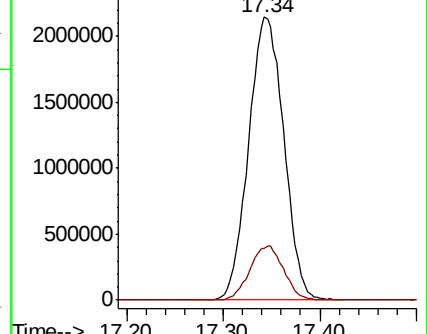
105 100

134 18.4 14.7 22.1



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: 9.239 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

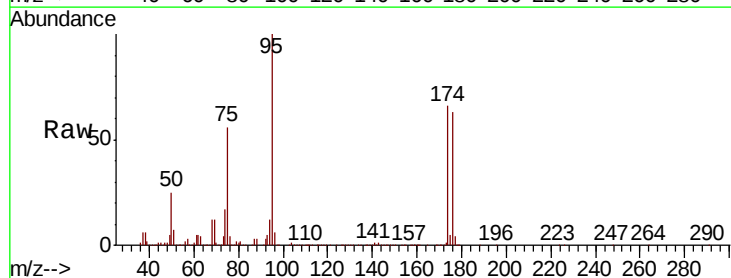
Tgt Ion: 95 Resp: 2413732

Ion Ratio Lower Upper

95 100

174 65.7 52.2 78.2

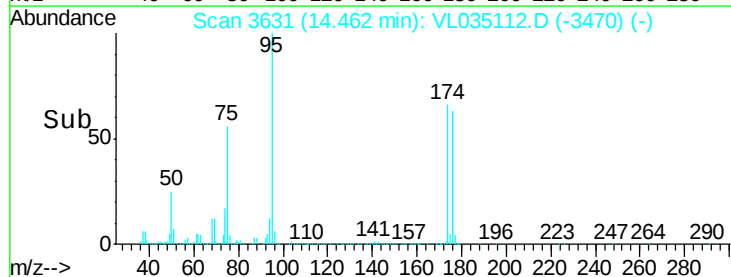
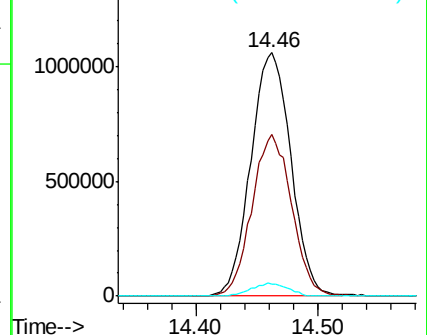
175 4.9 4.0 6.0

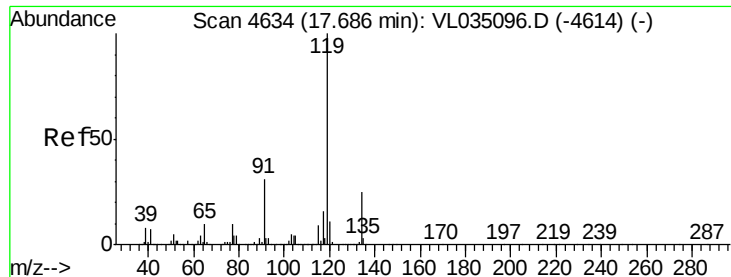


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

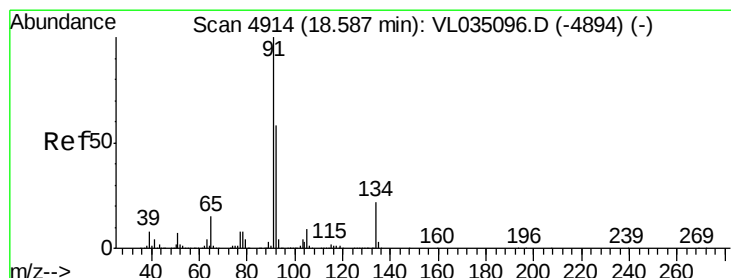
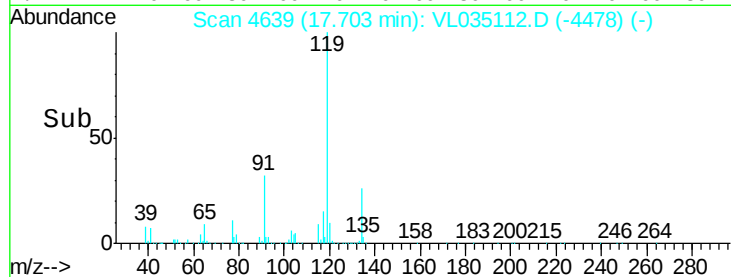
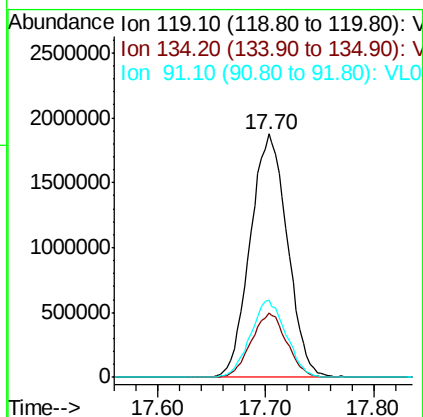
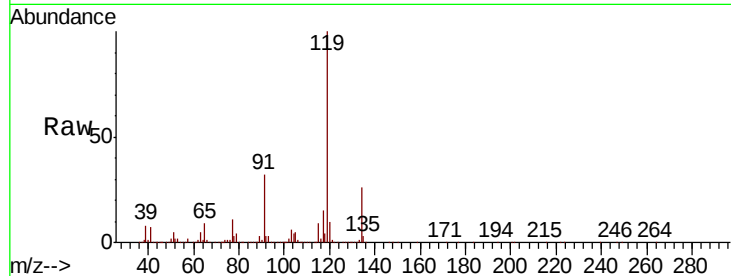




#69
 p-Isopropyltoluene
 Concen: 9.847 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

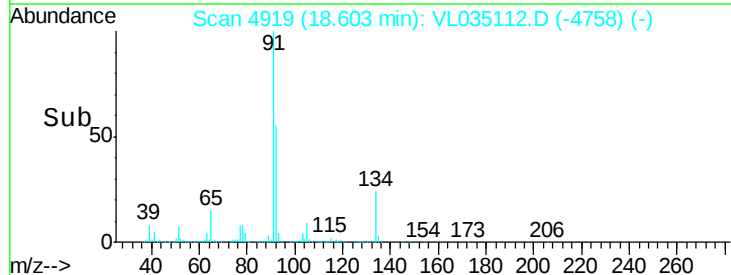
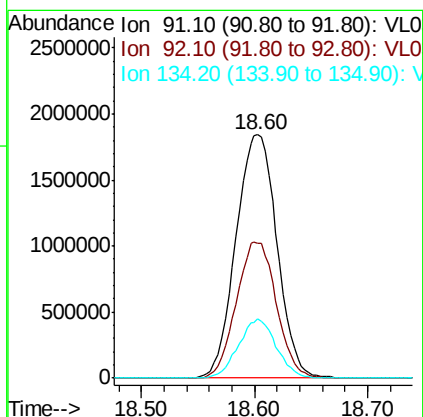
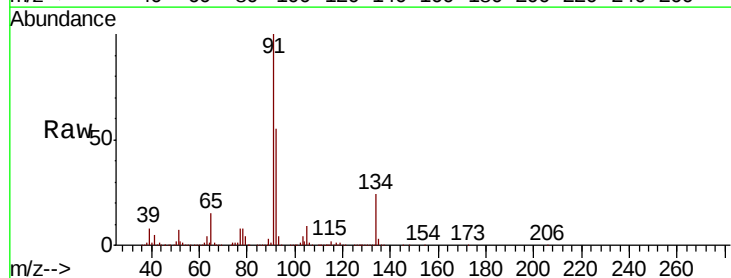
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

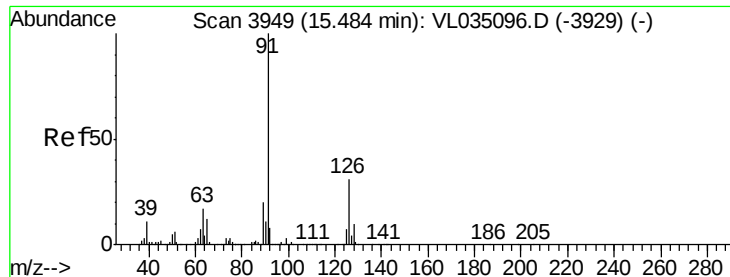
Tot Ion:119 Resp: 4484510
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.4 30.6
 91 30.4 24.5 36.7



#70
 n-Butylbenzene
 Concen: 9.425 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion: 91 Resp: 4623977
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.4 66.6
 134 22.5 18.0 27.0

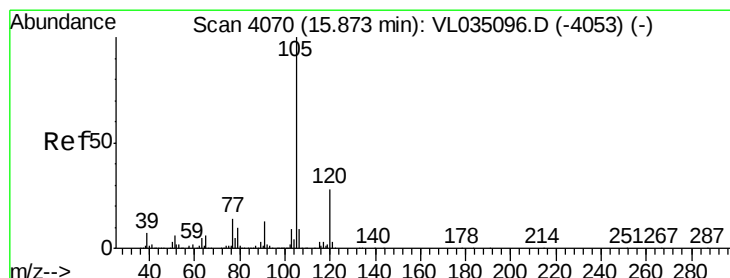
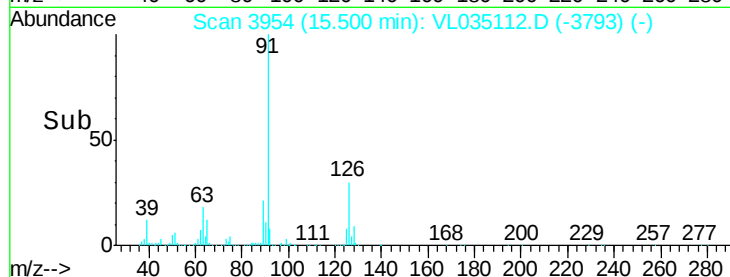
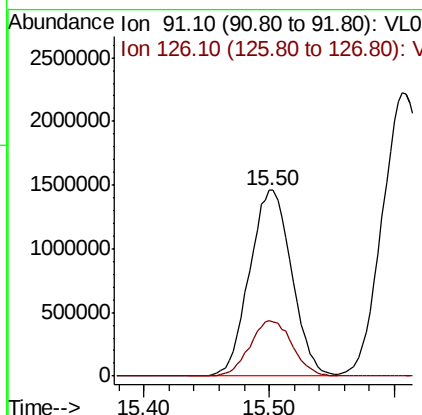
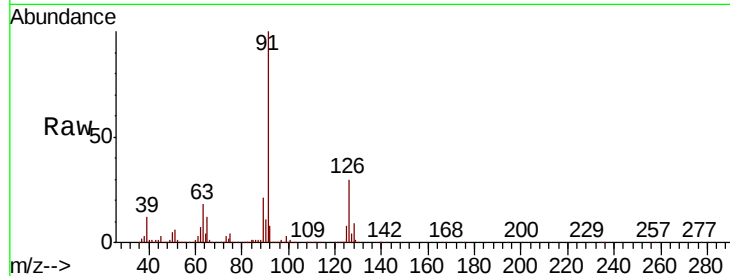




#71
 2-Chlorotoluene
 Concen: 9.715 ppbv
 RT: 15.50 min Scan# 3954
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

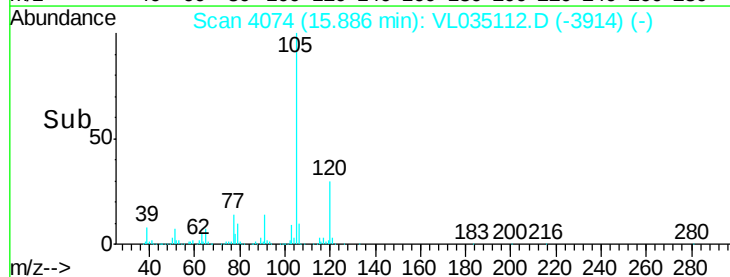
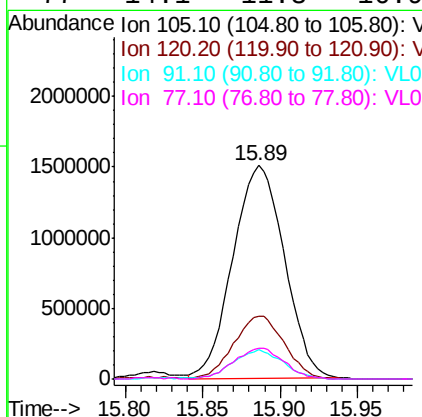
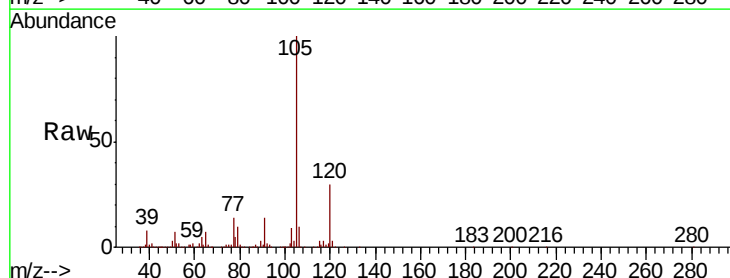
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

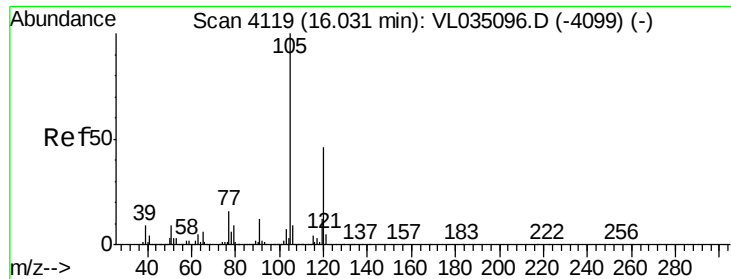
Tot Ion: 91 Resp: 3416176
 Ion Ratio Lower Upper
 91 100
 126 30.0 12.0 48.0



#72
 4-Ethyltoluene
 Concen: 10.061 ppbv
 RT: 15.89 min Scan# 4074
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion: 105 Resp: 3489368
 Ion Ratio Lower Upper
 105 100
 120 29.3 23.4 35.0
 91 13.5 10.6 16.0
 77 14.1 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.923 ppbv

RT: 16.04 min Scan# 4123

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

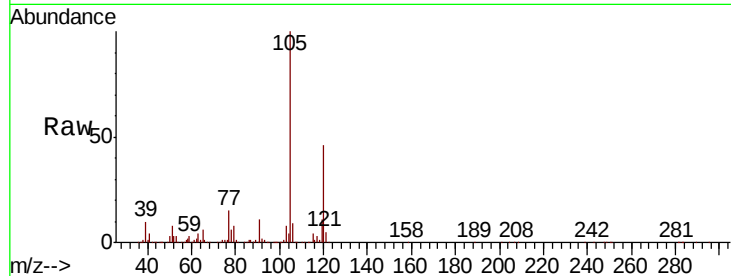
BFB

Tot Ion:105 Resp: 3253199

Ion Ratio Lower Upper

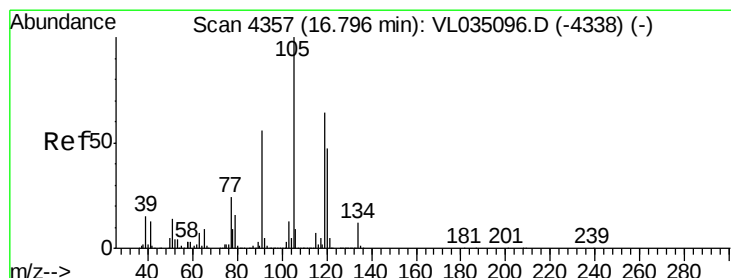
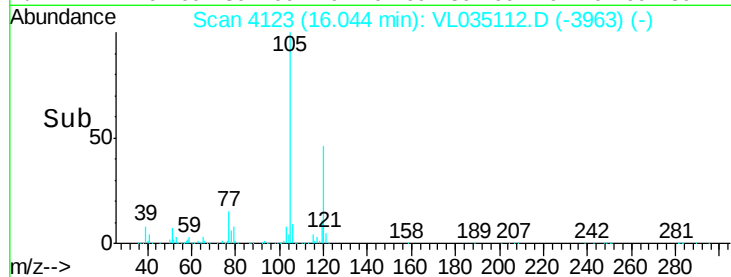
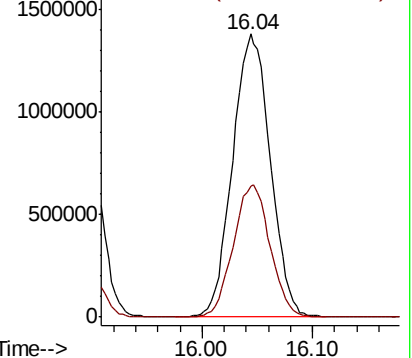
105 100

120 46.1 37.0 55.6



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: 9.168 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Tgt Ion:105 Resp: 3354523

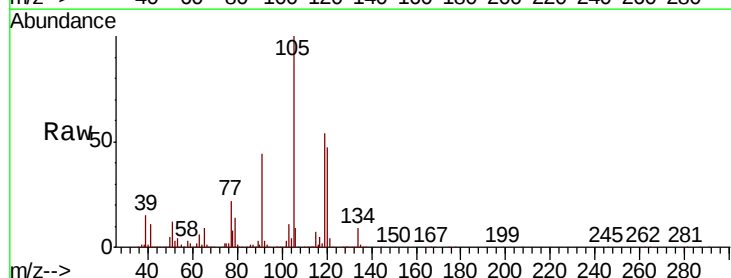
Ion Ratio Lower Upper

105 100

120 47.3 37.9 56.9

91 43.8 46.0 69.0#

77 22.1 19.4 29.2

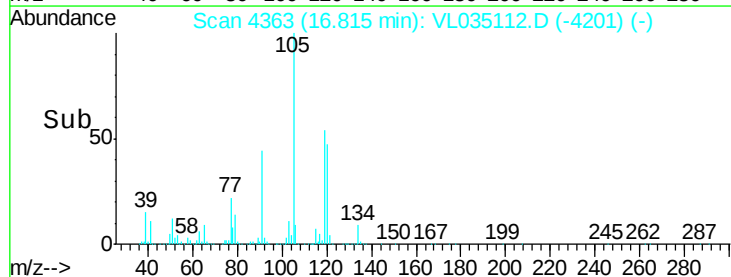
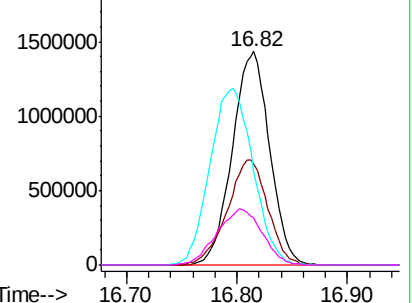


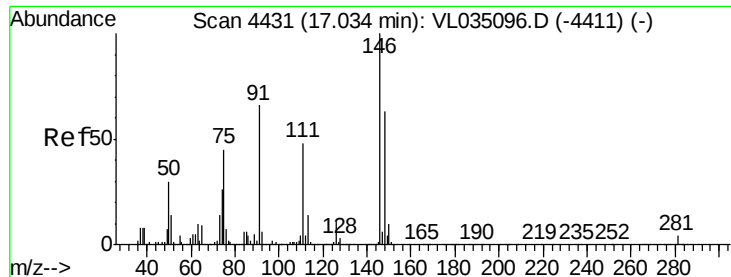
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.817 ppbv

RT: 17.05 min Scan# 4436

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

BFB

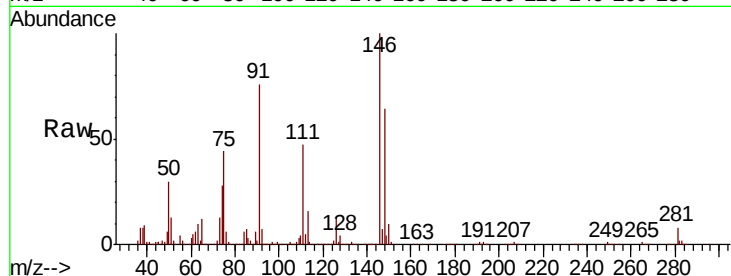
Tot Ion:146 Resp: 1925179

Ion Ratio Lower Upper

146 100

111 47.8 24.1 72.4

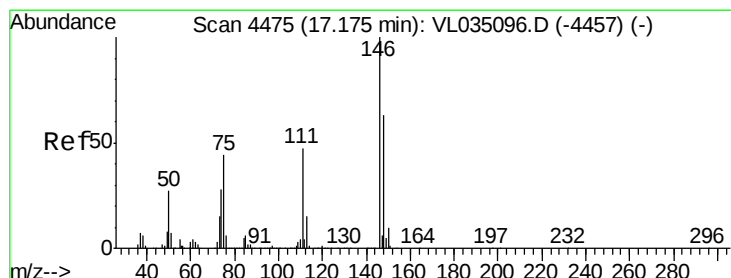
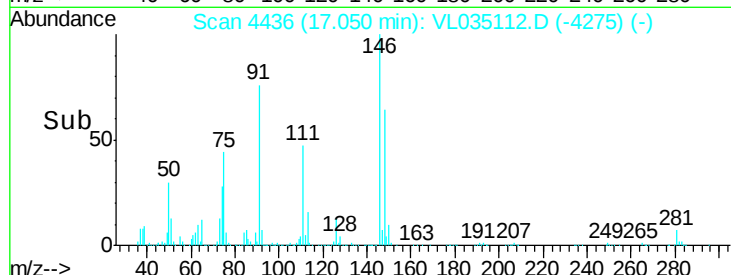
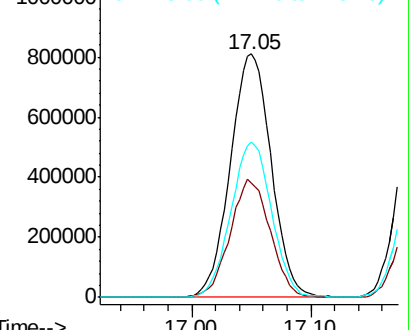
148 63.8 32.3 96.8



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



#76

1,4-Dichlorobenzene

Concen: 9.181 ppbv

RT: 17.19 min Scan# 4480

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

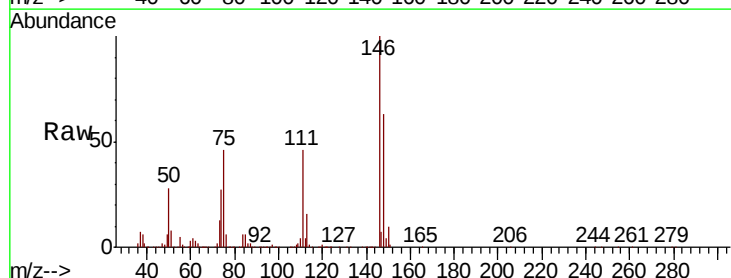
Tgt Ion:146 Resp: 1917839

Ion Ratio Lower Upper

146 100

111 46.6 23.5 70.5

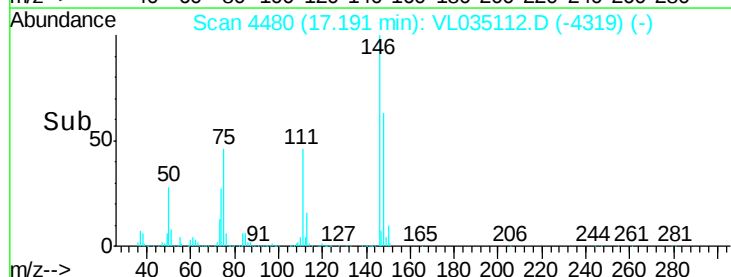
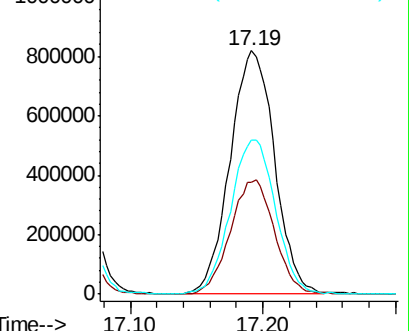
148 64.4 32.0 96.2

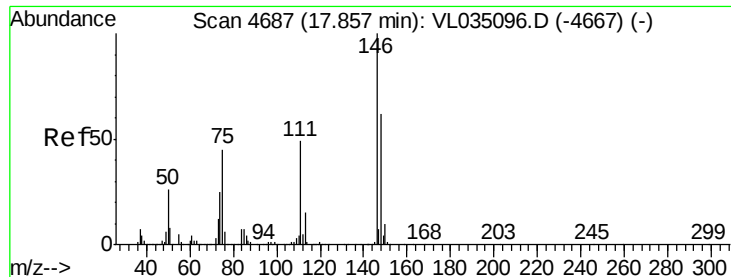


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

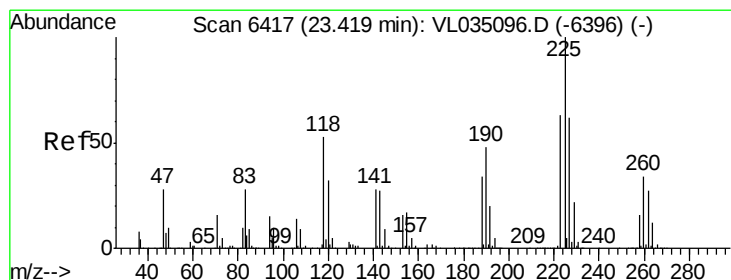
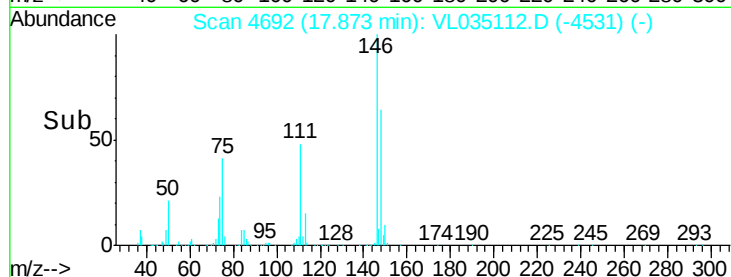
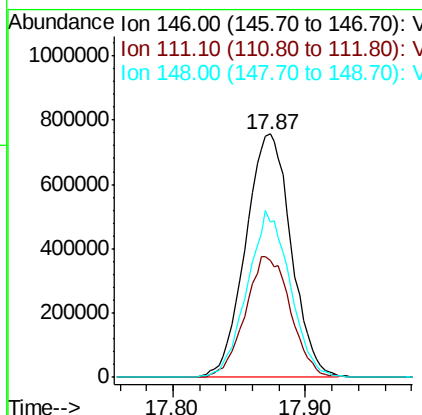
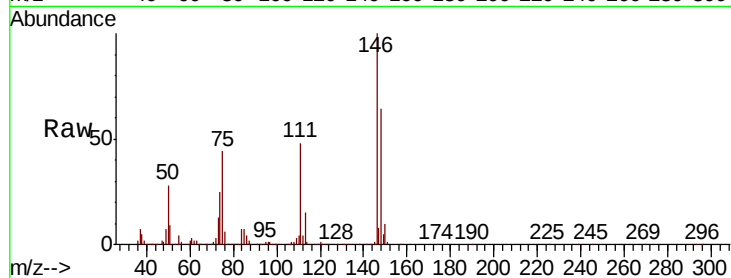




#77
 1,2-Dichlorobenzene
 Concen: 9.050 ppbv
 RT: 17.87 min Scan# 4692
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

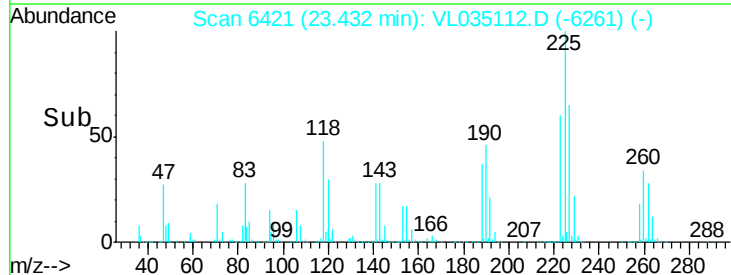
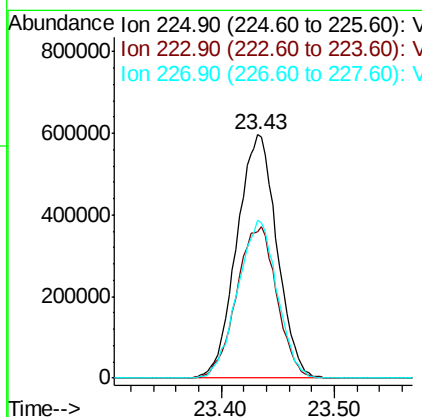
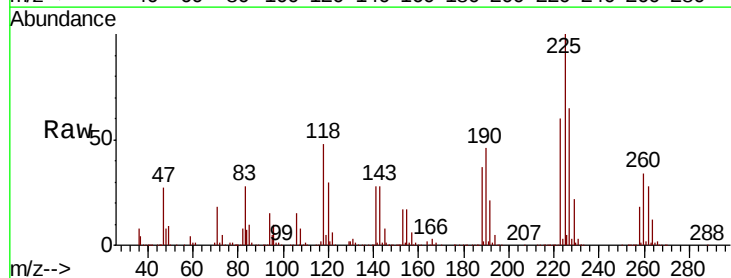
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

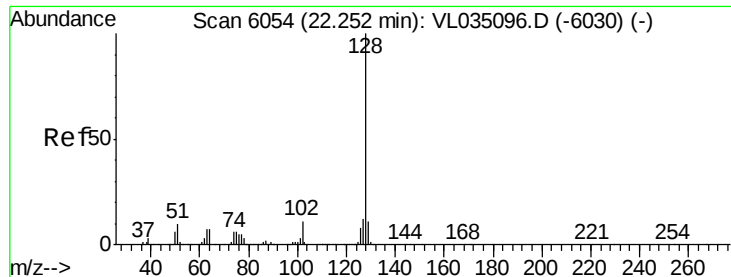
Tot Ion:146 Resp: 1808211
 Ion Ratio Lower Upper
 146 100
 111 49.7 25.0 75.0
 148 64.5 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.170 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion:225 Resp: 1467310
 Ion Ratio Lower Upper
 225 100
 223 62.5 51.4 77.0
 227 64.0 51.8 77.8





#79

Naphthalene

Concen: 10.193 ppbv

RT: 22.27 min Scan# 6061

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

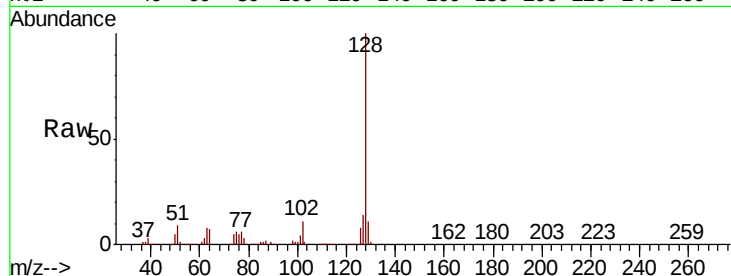
MSVOA_L

ClientSampleId :

BFB

Tot Ion:128 Resp: 3269706

Ion	Ratio	Lower	Upper
128	100		
127	13.6	9.9	14.9
129	10.5	9.0	13.4

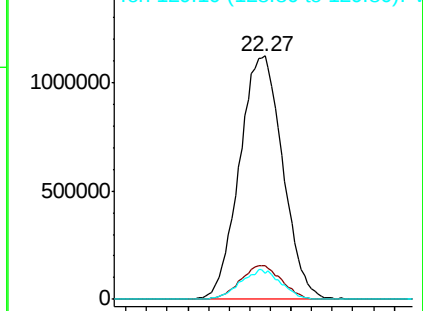


Abundance

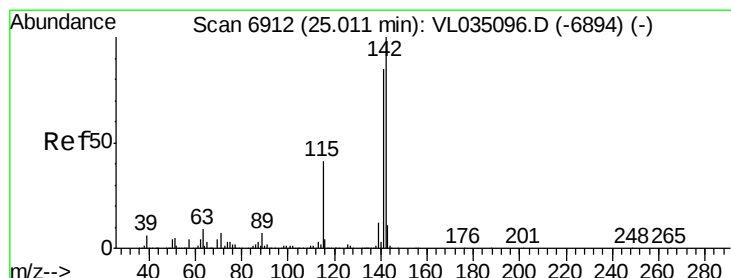
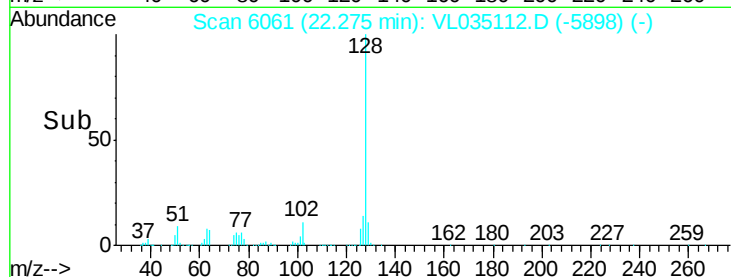
Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 12.750 ppbv

RT: 25.02 min Scan# 6915

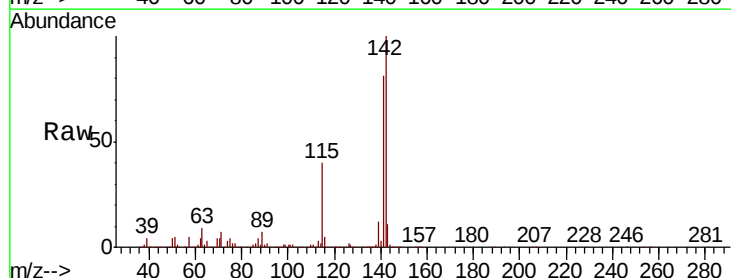
Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Tgt Ion:142 Resp: 1563850

Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.5	101.3
115	42.7	33.8	50.8

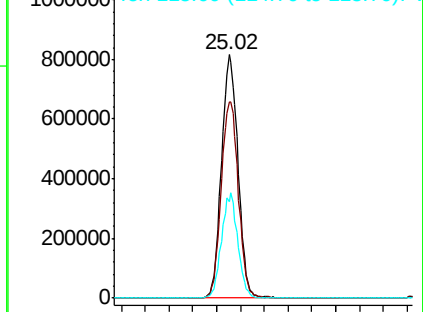


Abundance

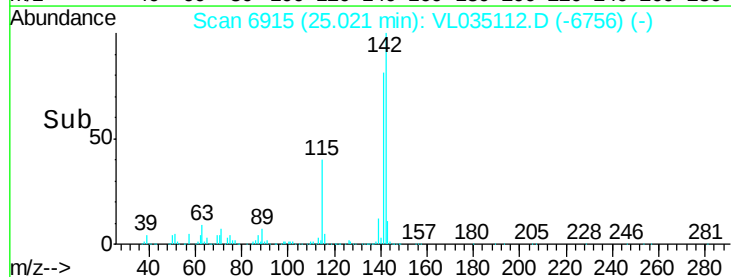
Ion 142.00 (141.70 to 142.70): V

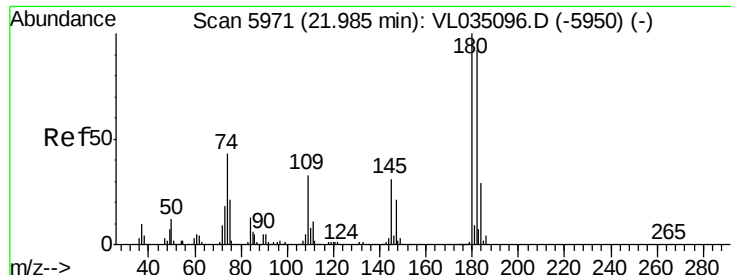
Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



Time-->





#81

1,2,4-Trichlorobenzene

Concen: 4.625 ppbv

RT: 22.00 min Scan# 5976

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tot Ion:180 Resp: 855847

Ion Ratio Lower Upper

180 100

182 197.1 77.9 116.9#

184 63.0 24.6 37.0#

