

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030121\
 Data File : VL036420.D
 Acq On : 1 Mar 2021 18:27
 Operator : SY/AP
 Sample : M1458-13 0.1LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 02 02:42:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1741354	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	3650623	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3325356	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2669239	9.76	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

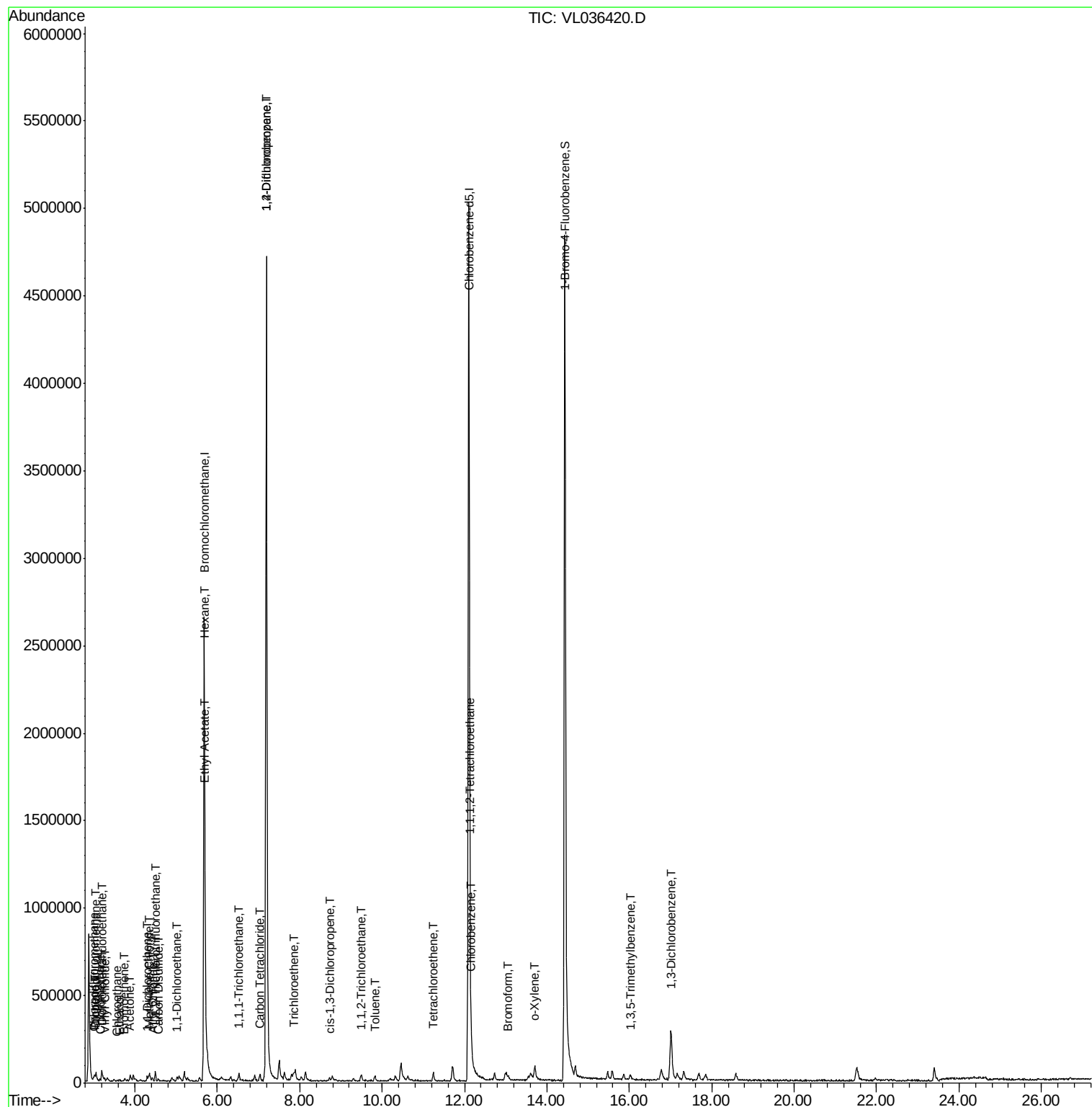
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	30222	0.116 ppbv	93
3) Chlorodifluoromethane	2.99	51	25941	0.120 ppbv	97
4) Chloromethane	3.15	50	12095	0.116 ppbv #	74
5) Vinyl Chloride	3.27	62	7354	0.076 ppbv	100
7) Chloroethane	3.56	64	1736	0.050 ppbv #	86
8) Dichlorotetrafluoroethane	3.19	85	13694	0.058 ppbv #	18
9) Propene	3.02	41	14220	0.176 ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.50	101	12426	0.079 ppbv #	58
13) Ethanol	3.63	45	2672	0.176 ppbv #	32
14) Bromoethene	3.74	108	2303	0.035 ppbv #	1
15) Acetone	3.88	43	36935	0.174 ppbv #	24
18) 1,1-Dichloroethene	4.30	96	3741	0.052 ppbv #	48
20) Methylene Chloride	4.36	84	9972	0.145 ppbv #	81
21) Allyl Chloride	4.42	41	5031	0.042 ppbv #	19
24) 1,1-Dichloroethane	5.02	63	16083	0.087 ppbv #	80
25) Ethyl Acetate	5.71	43	12811	0.031 ppbv #	35
26) Hexane	5.70	57	7822	0.046 ppbv #	1
27) Carbon Disulfide	4.56	76	5404	0.035 ppbv #	59
32) 1,1,1-Trichloroethane	6.52	97	12528	0.049 ppbv #	1
35) Carbon Tetrachloride	7.03	117	14969	0.061 ppbv	92
38) Trichloroethene	7.85	130	7790	0.070 ppbv #	61
39) 1,2-Dichloropropane	7.19	63	1041053	8.264 ppbv #	23
46) cis-1,3-Dichloropropene	8.71	75	5085	0.032 ppbv #	66
47) 1,1,2-Trichloroethane	9.49	97	6323	0.049 ppbv #	76
49) Bromoform	13.07	173	4762	0.031 ppbv #	1
52) Tetrachloroethene	11.25	164	3407	0.030 ppbv #	38
53) Toluene	9.82	91	10988	0.033 ppbv #	1
56) 1,1,1,2-Tetrachloroethane	12.14	131	6172	0.040 ppbv #	1
57) Chlorobenzene	12.17	112	15931	0.062 ppbv #	83
60) o-Xylene	13.72	91	12010	0.031 ppbv #	32
73) 1,3,5-Trimethylbenzene	16.02	105	18276	0.044 ppbv #	67
75) 1,3-Dichlorobenzene	17.03	146	7223	0.032 ppbv #	22

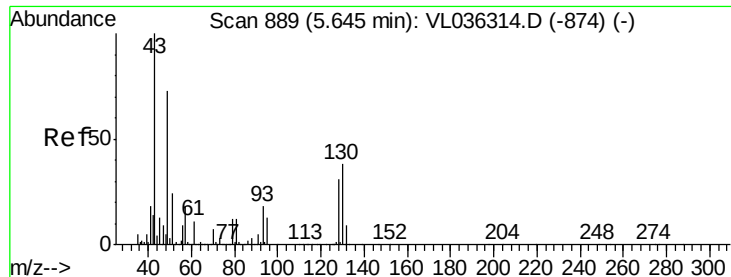
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.04 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Instrument :

MSVOA_L

ClientSampleId :

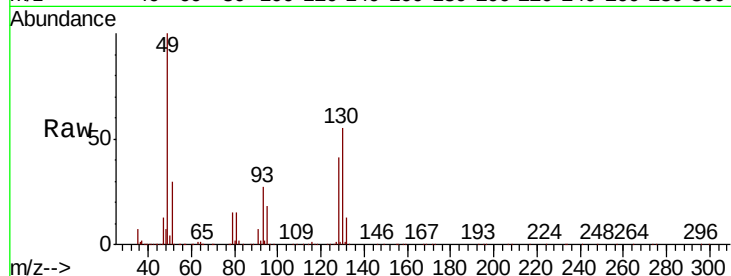
Tot Ion: 49 Resp: 1741354

Ion Ratio Lower Upper

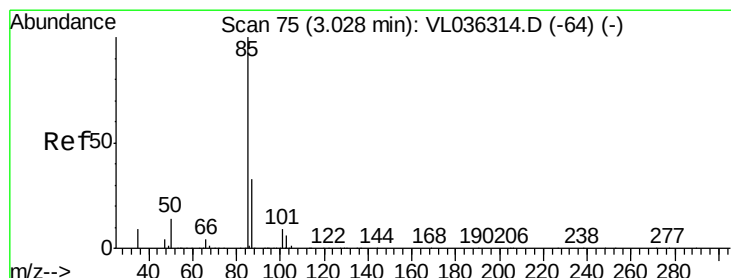
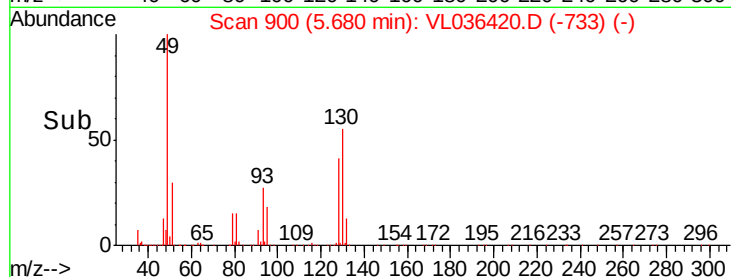
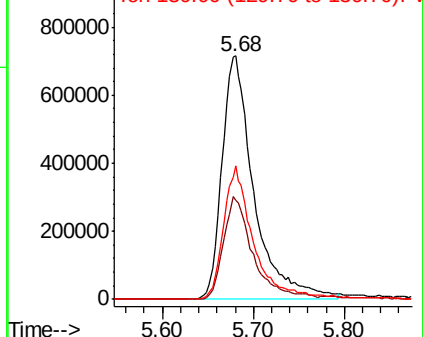
49 100

128 41.1 20.8 62.5

130 52.3 26.7 80.1



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: 0.116 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.03 min

Lab File: VL036420.D

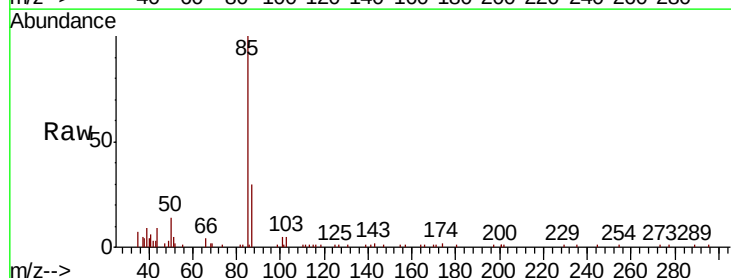
Acq: 1 Mar 2021 18:27

Tgt Ion: 85 Resp: 30222

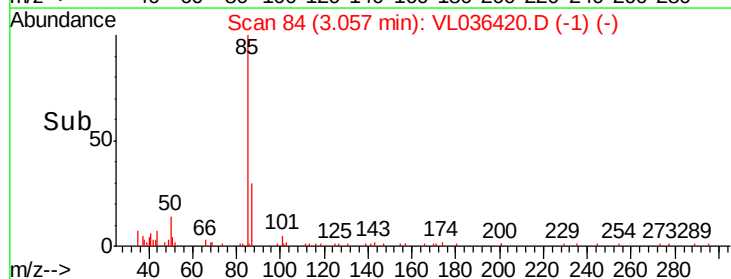
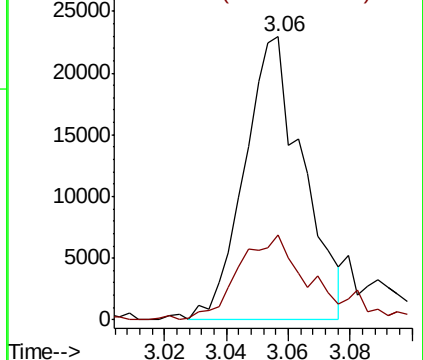
Ion Ratio Lower Upper

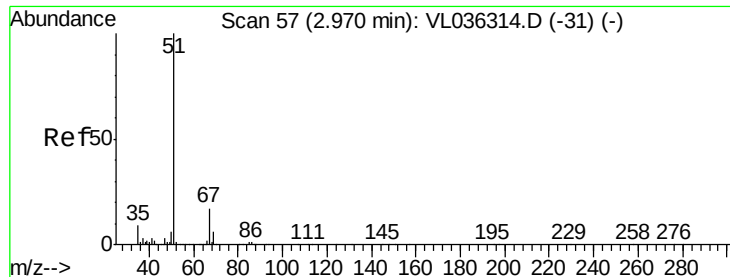
85 100

87 29.4 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.120 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.02 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Instrument :

MSVOA_L

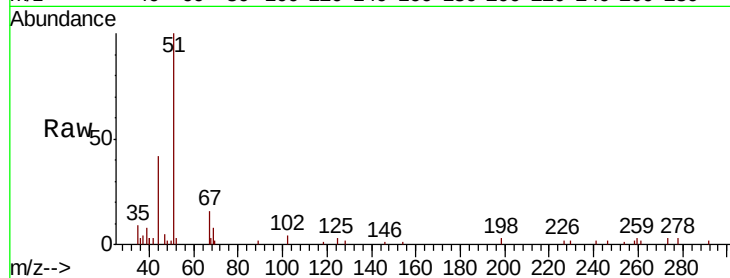
ClientSampleId :

Tot Ion: 51 Resp: 25941

Ion Ratio Lower Upper

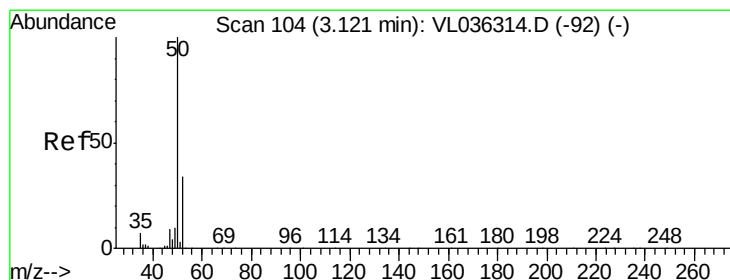
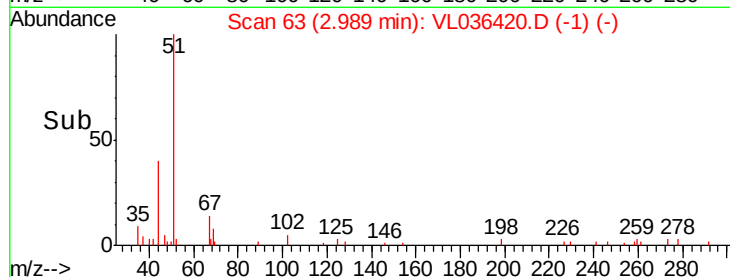
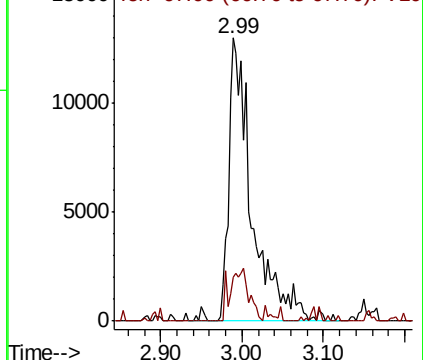
51 100

67 17.1 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.116 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.03 min

Lab File: VL036420.D

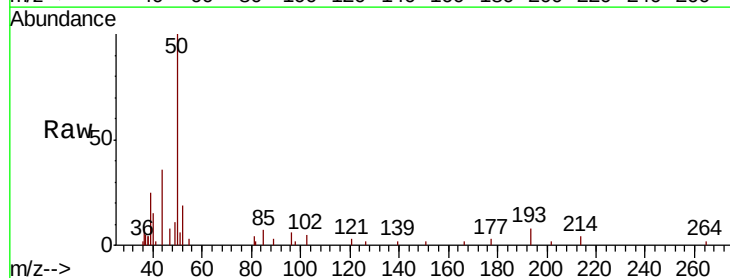
Acq: 1 Mar 2021 18:27

Tgt Ion: 50 Resp: 12095

Ion Ratio Lower Upper

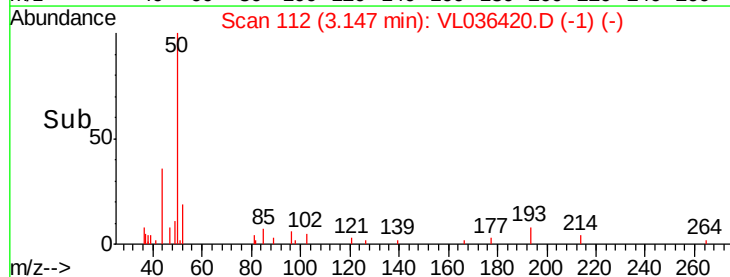
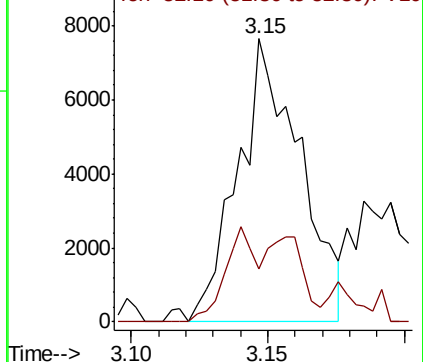
50 100

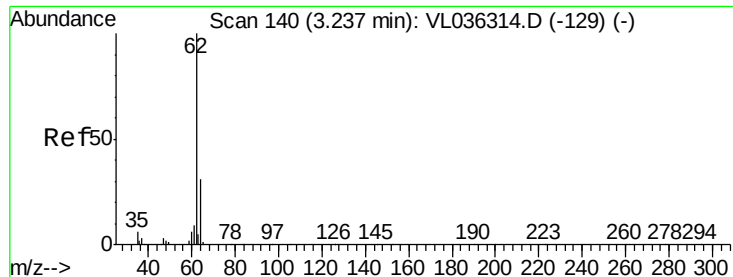
52 18.9 27.0 40.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.076 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.03 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Instrument :

MSVOA_L

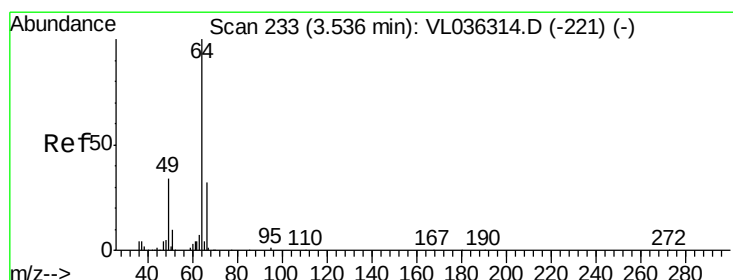
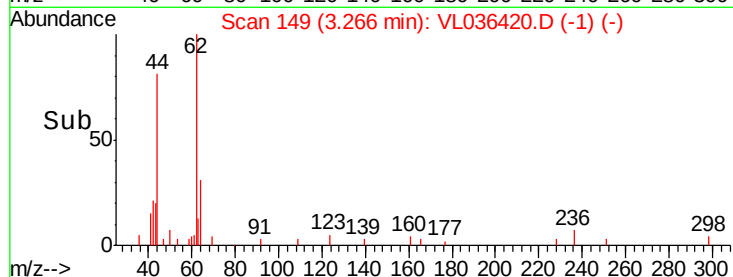
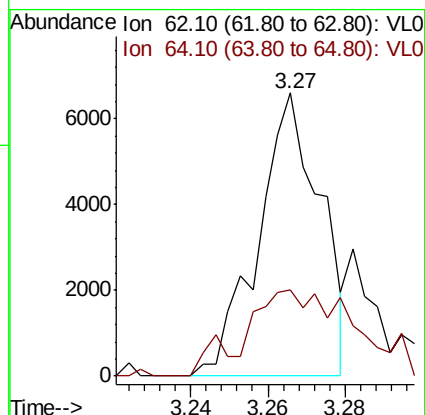
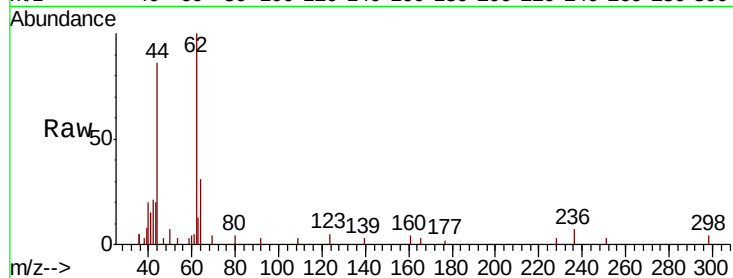
ClientSampleId :

Tot Ion: 62 Resp: 7354

Ion Ratio Lower Upper

62 100

64 30.6 24.4 36.6



#7

Chloroethane

Concen: 0.050 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.03 min

Lab File: VL036420.D

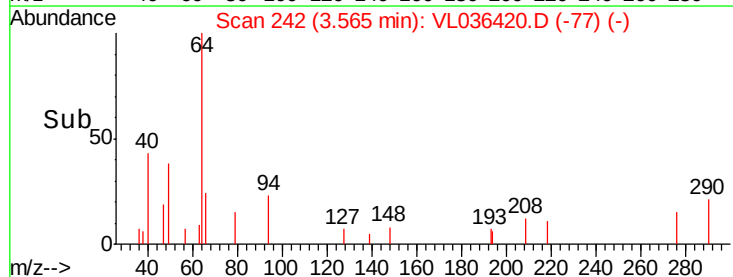
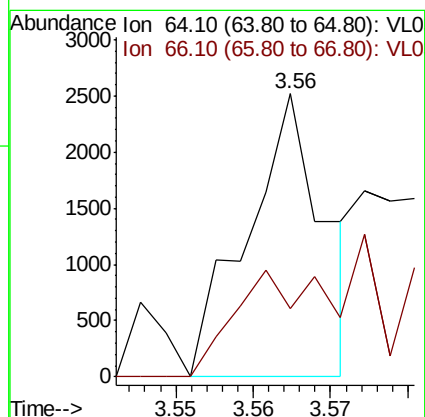
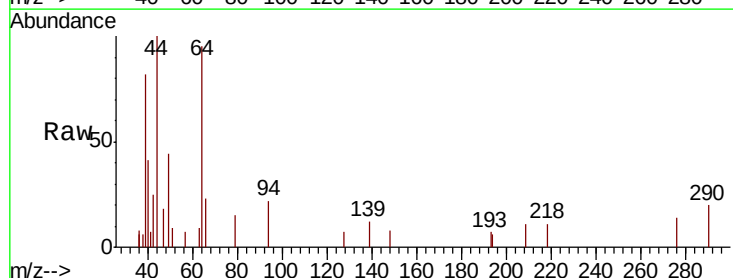
Acq: 1 Mar 2021 18:27

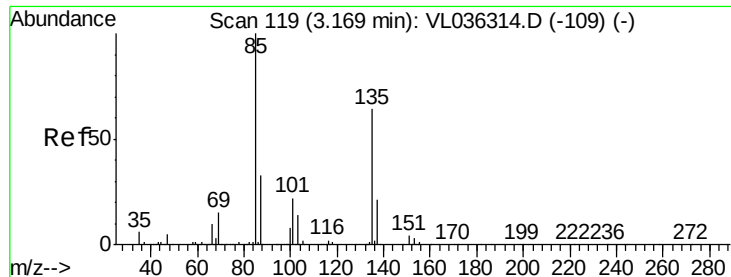
Tgt Ion: 64 Resp: 1736

Ion Ratio Lower Upper

64 100

66 24.3 25.6 38.4#





#8

Dichlorotetrafluoroethane

Concen: 0.058 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.02 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Instrument :

MSVOA_L

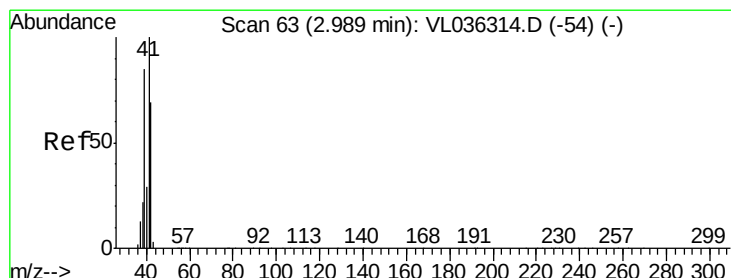
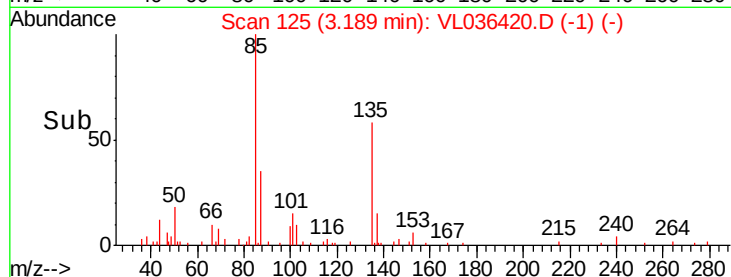
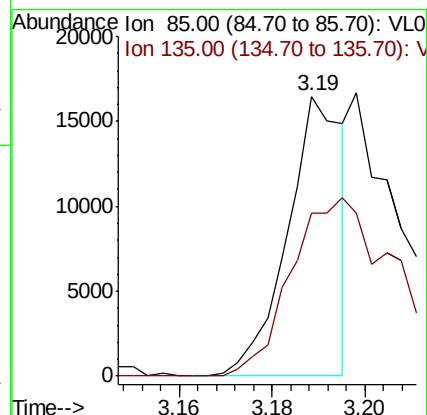
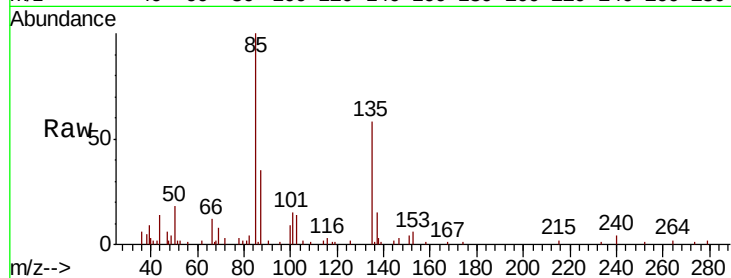
ClientSampleId :

Tot Ion: 85 Resp: 13694

Ion Ratio Lower Upper

85 100

135 0.0 51.1 76.7#



#9

Propene

Concen: 0.176 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.03 min

Lab File: VL036420.D

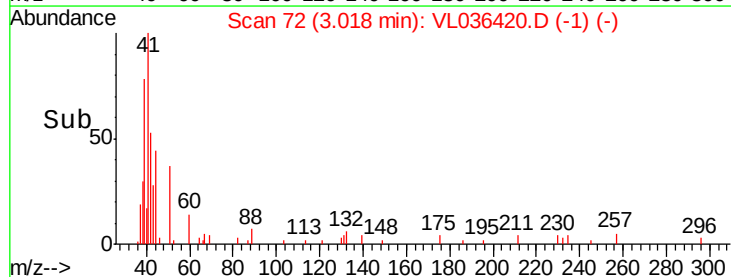
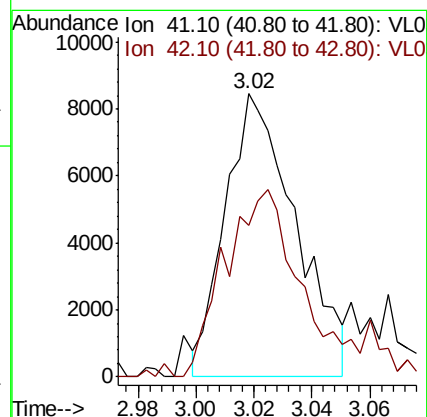
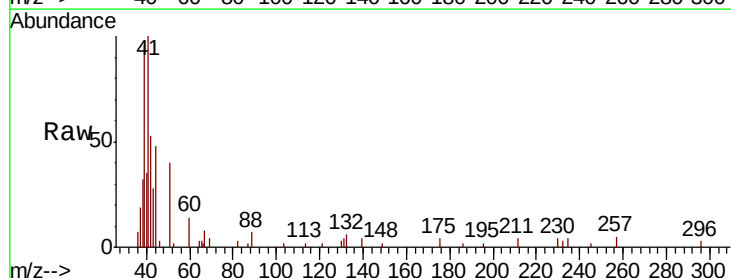
Acq: 1 Mar 2021 18:27

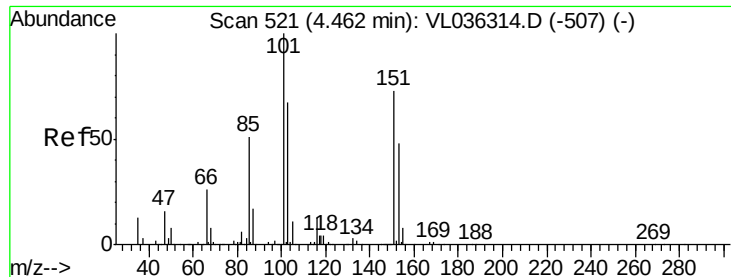
Tgt Ion: 41 Resp: 14220

Ion Ratio Lower Upper

41 100

42 78.1 56.2 84.2





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.079 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.04 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Instrument :

MSVOA_L

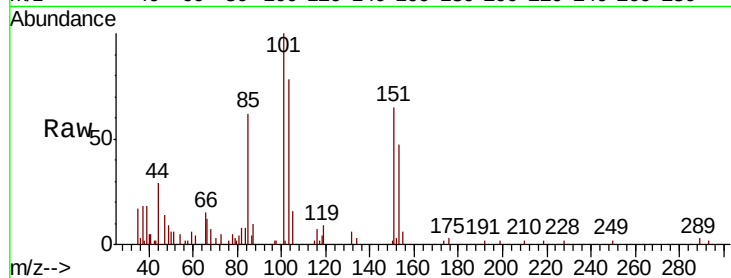
ClientSampleId :

Tot Ion:101 Resp: 12426

Ion Ratio Lower Upper

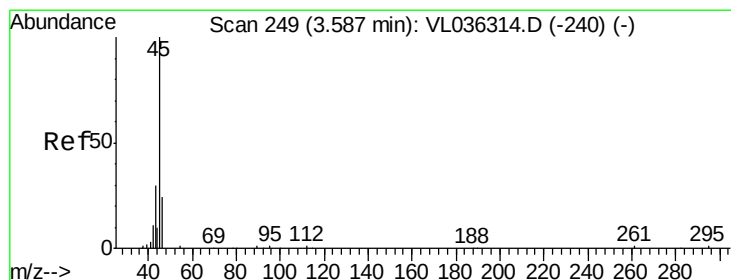
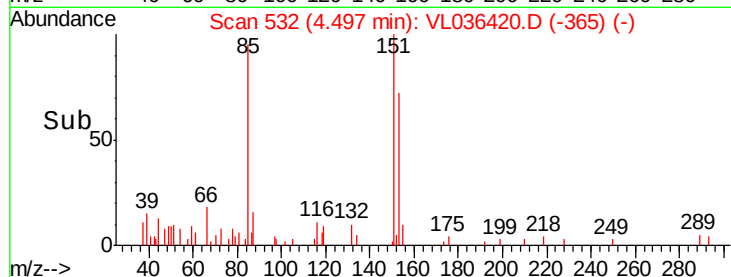
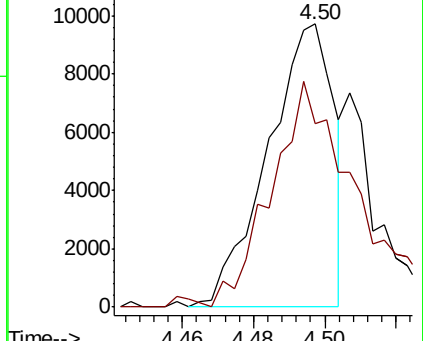
101 100

151 108.3 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 0.176 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.04 min

Lab File: VL036420.D

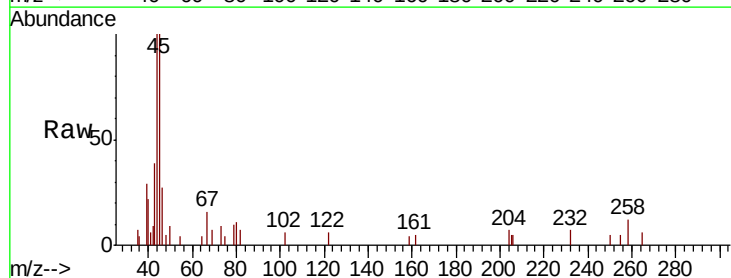
Acq: 1 Mar 2021 18:27

Tgt Ion: 45 Resp: 2672

Ion Ratio Lower Upper

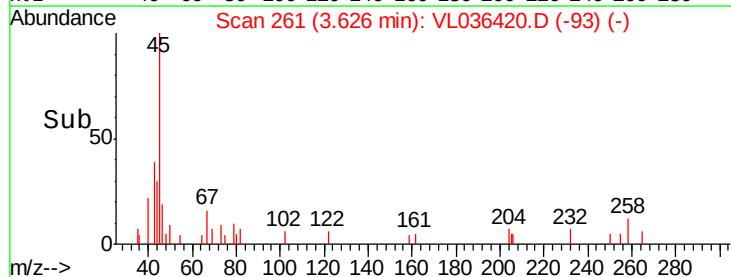
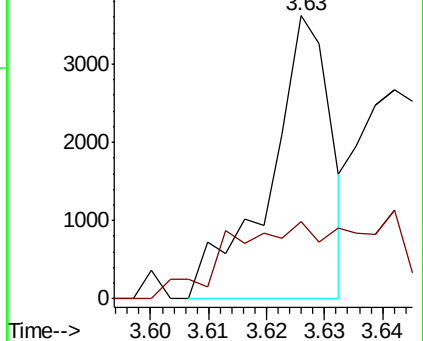
45 100

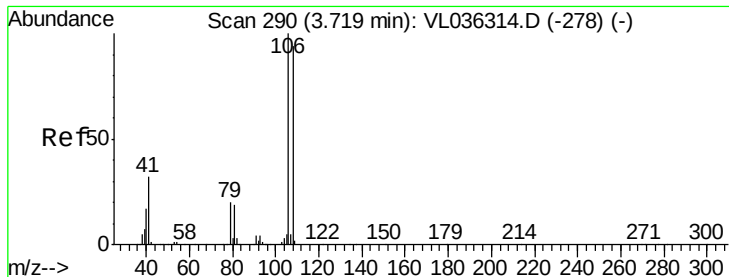
46 0.0 17.7 70.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#14

Bromoethene

Concen: 0.035 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.02 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Instrument :

MSVOA_L

ClientSampleId :

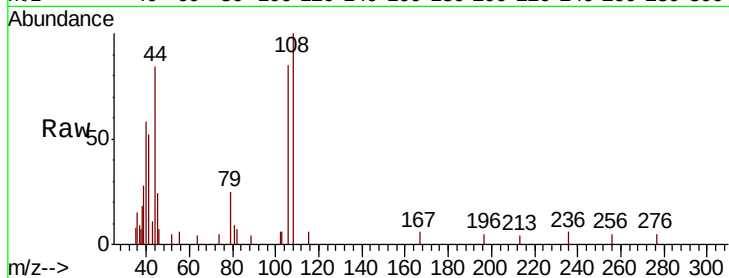
Tot Ion:108 Resp: 2303

Ion Ratio Lower Upper

108 100

106 294.7 89.8 134.8#

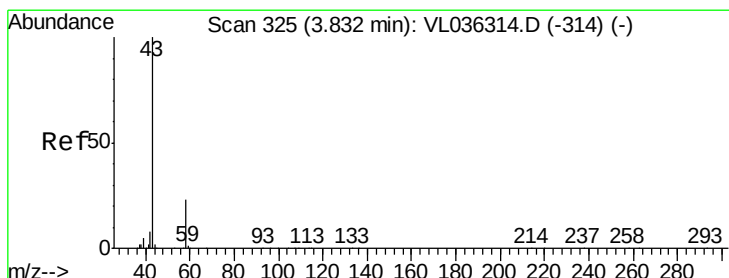
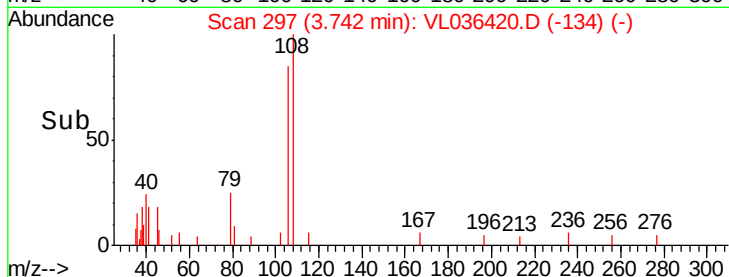
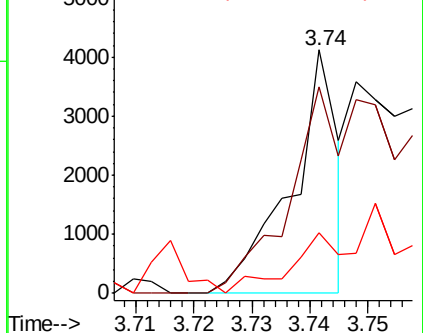
79 0.0 17.1 25.7#



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): V



#15

Acetone

Concen: 0.174 ppbv

RT: 3.88 min Scan# 340

Delta R.T. 0.05 min

Lab File: VL036420.D

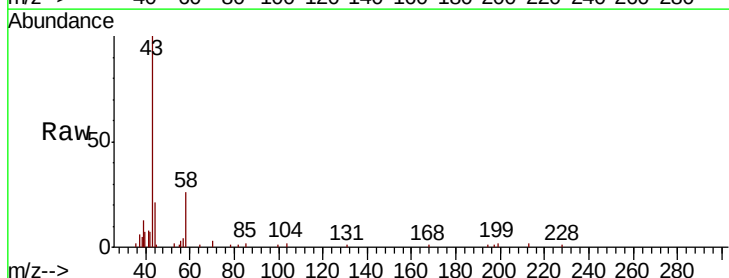
Acq: 1 Mar 2021 18:27

Tgt Ion: 43 Resp: 36935

Ion Ratio Lower Upper

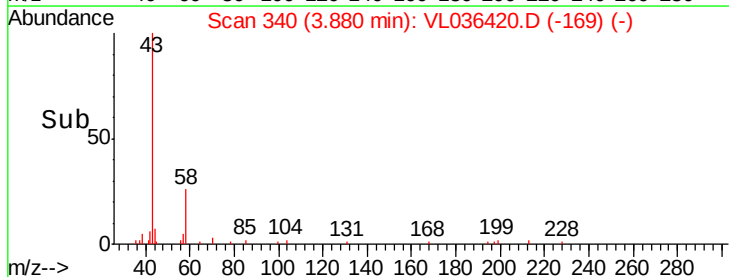
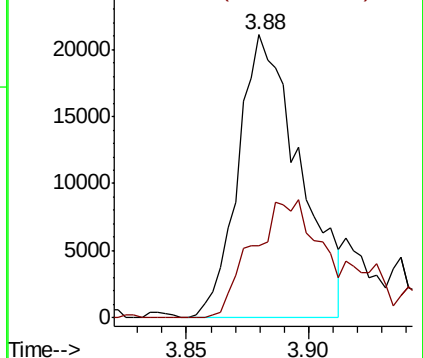
43 100

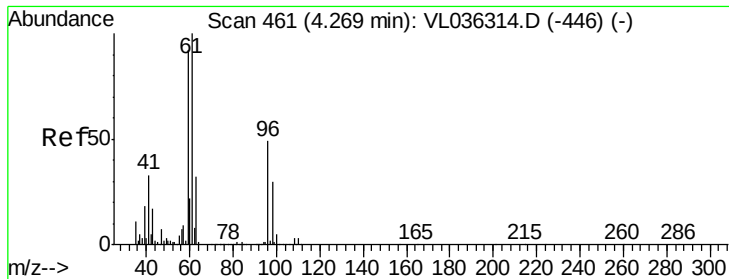
58 63.7 20.3 30.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

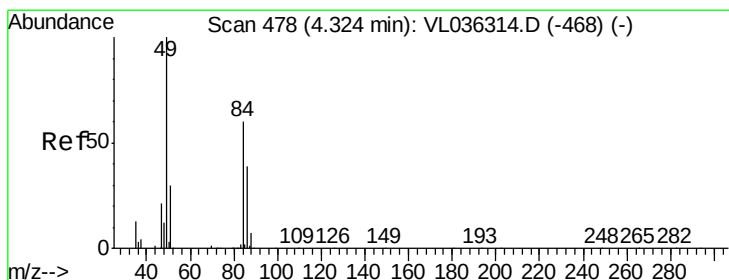
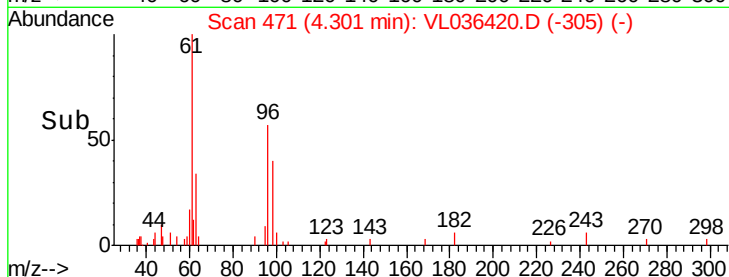
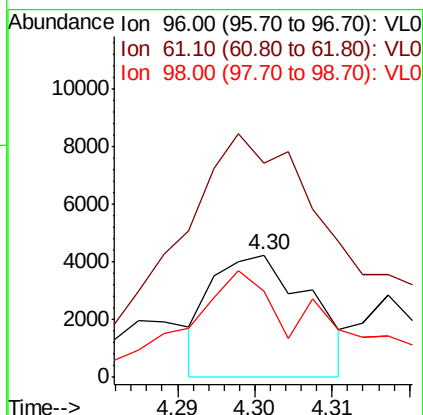
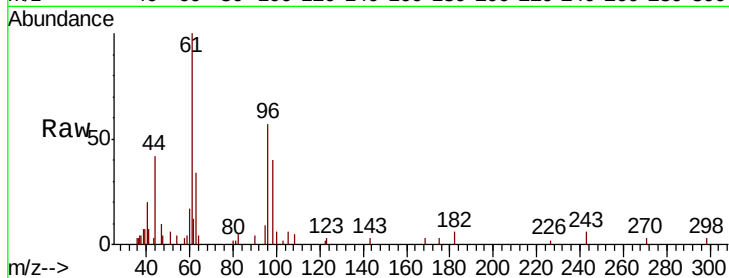




#18
 1,1-Dichloroethene
 Concen: 0.052 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.03 min
 Lab File: VL036420.D
 Acq: 1 Mar 2021 18:27

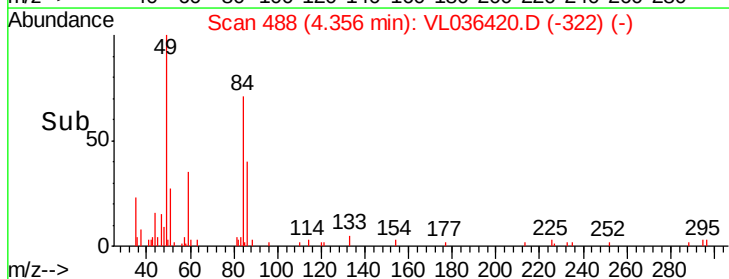
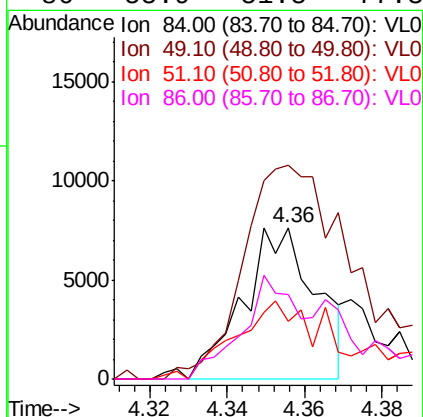
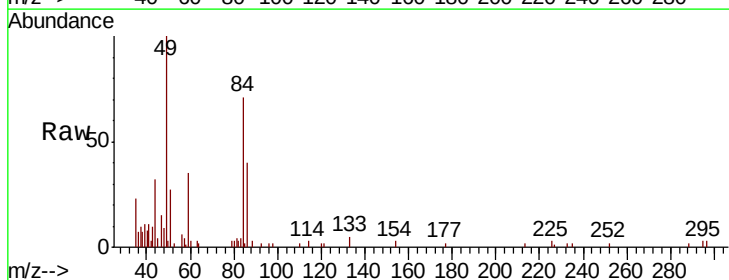
Instrument :
 MSVOA_L
 ClientSampleId :

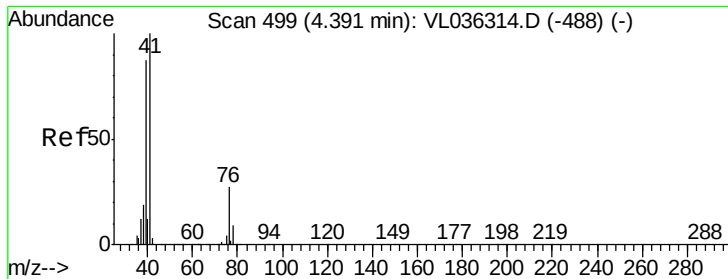
Tot Ion: 96 Resp: 3741
 Ion Ratio Lower Upper
 96 100
 61 105.6 162.5 243.7#
 98 50.9 48.5 72.7



#20
 Methylene Chloride
 Concen: 0.145 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VL036420.D
 Acq: 1 Mar 2021 18:27

Tgt Ion: 84 Resp: 9972
 Ion Ratio Lower Upper
 84 100
 49 138.1 133.8 200.8
 51 38.1 41.4 62.0#
 86 55.9 51.5 77.3

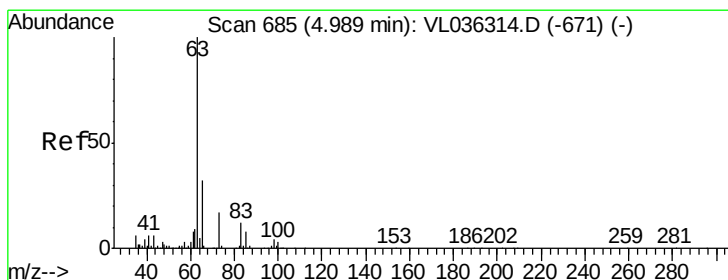
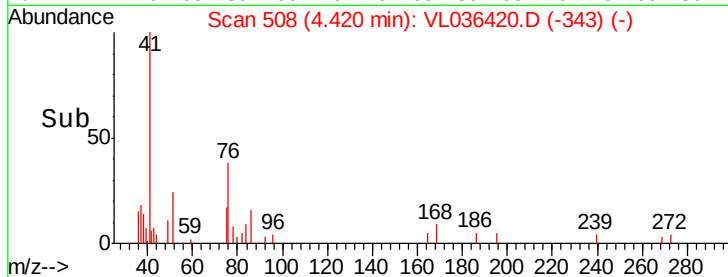
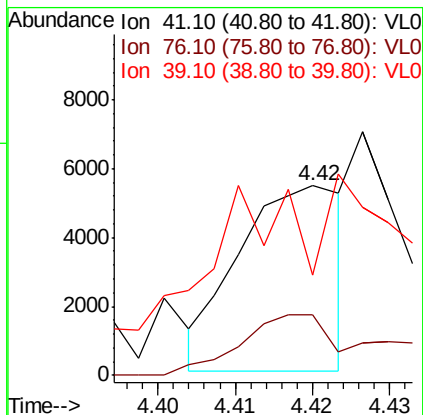
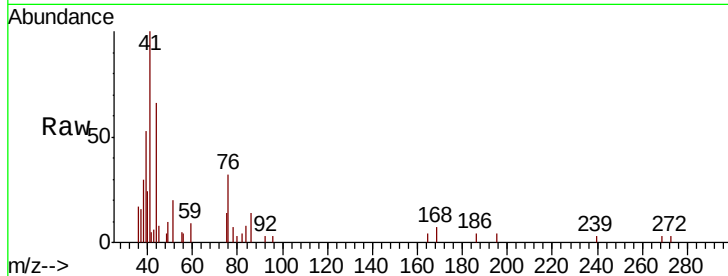




#21
Allvl Chloride
Concen: 0.042 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.03 min
Lab File: VL036420.D
Acq: 1 Mar 2021 18:27

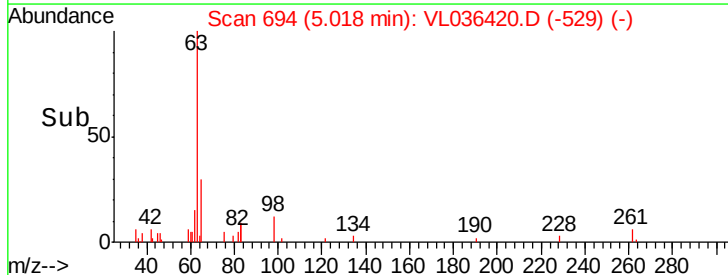
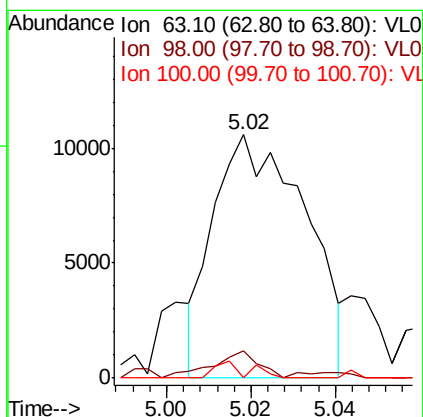
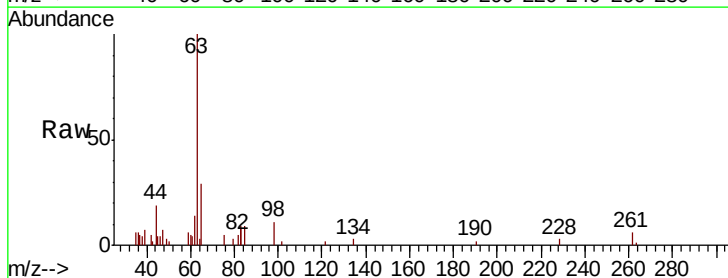
Instrument :
MSVOA_L
ClientSampleId :

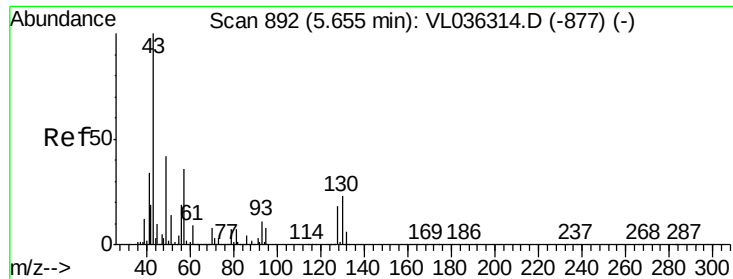
Tot Ion: 41 Resp: 5031
Ion Ratio Lower Upper
41 100
76 47.8 22.0 33.0#
39 0.0 70.2 105.2#



#24
1,1-Dichloroethane
Concen: 0.087 ppbv
RT: 5.02 min Scan# 694
Delta R.T. 0.03 min
Lab File: VL036420.D
Acq: 1 Mar 2021 18:27

Tgt Ion: 63 Resp: 16083
Ion Ratio Lower Upper
63 100
98 13.5 2.0 6.0#
100 0.0 1.5 4.4#

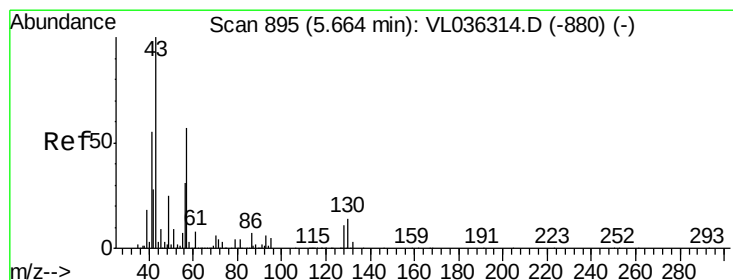
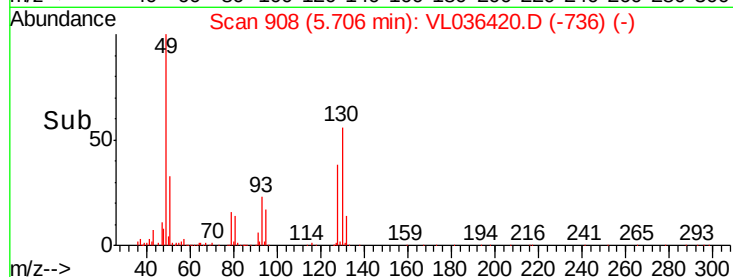
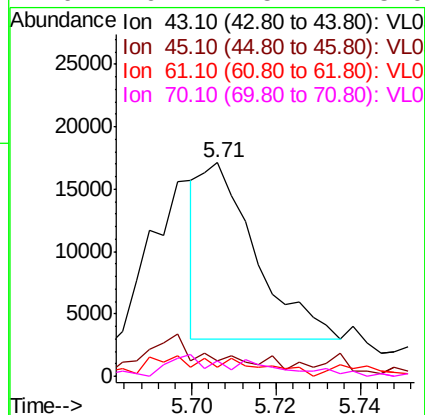
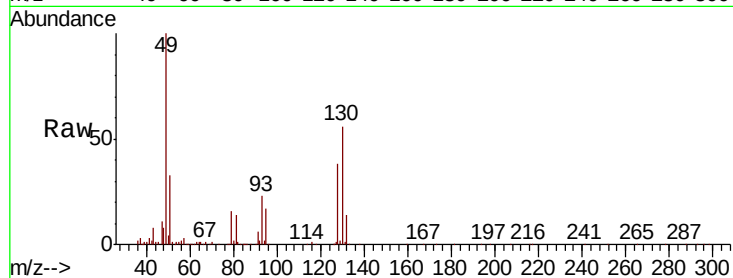




#25
Ethyl Acetate
Concen: 0.031 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.05 min
Lab File: VL036420.D
Acq: 1 Mar 2021 18:27

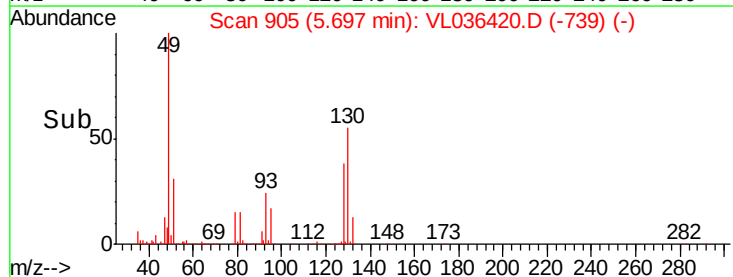
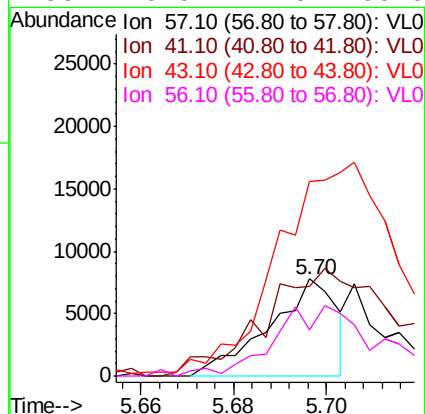
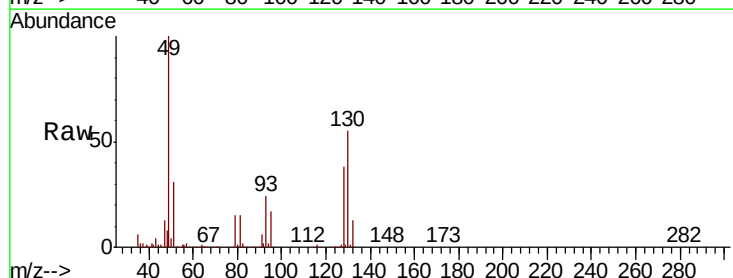
Instrument :
MSVOA_L
ClientSampleId :

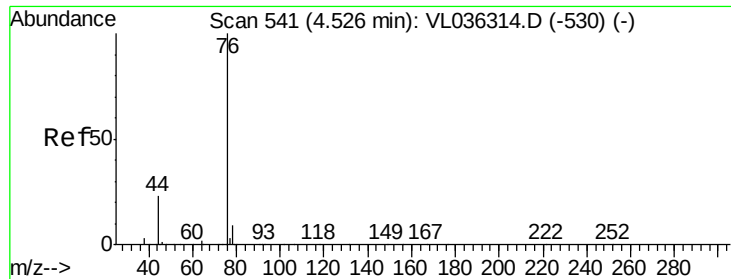
Tot Ion:	43	Resp:	12811
Ion	Ratio	Lower	Upper
43	100		
45	49.1	8.3	12.5#
61	23.7	7.3	10.9#
70	20.2	5.4	8.0#



#26
Hexane
Concen: 0.046 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL036420.D
Acq: 1 Mar 2021 18:27

Tgt Ion:	57	Resp:	7822
Ion	Ratio	Lower	Upper
57	100		
41	265.6	81.7	122.5#
43	0.0	199.1	298.7#
56	126.0	44.0	66.0#





#27

Carbon Disulfide

Concen: 0.035 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.03 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Instrument :

MSVOA_L

ClientSampleId :

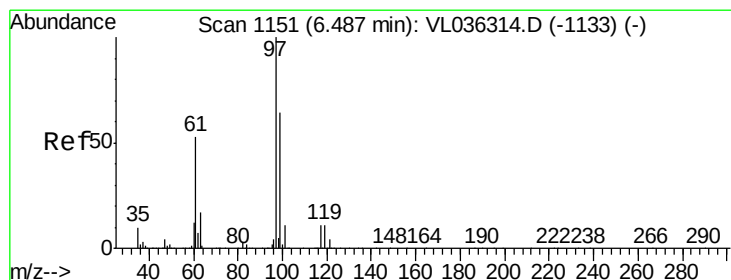
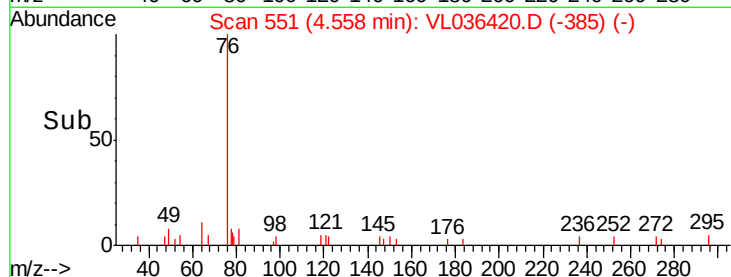
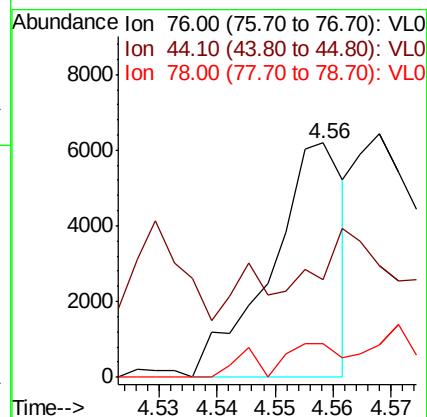
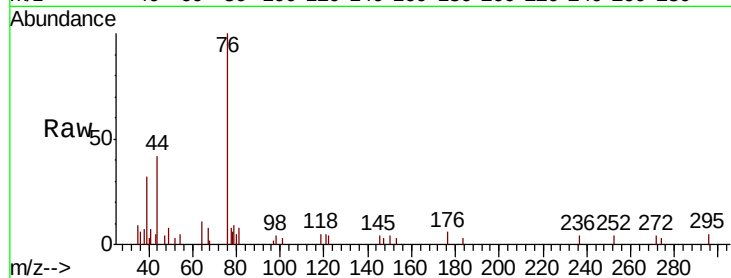
Tot Ion: 76 Resp: 5404

Ion Ratio Lower Upper

76 100

44 0.0 18.4 27.6#

78 0.0 8.0 12.0#



#32

1,1,1-Trichloroethane

Concen: 0.049 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.04 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

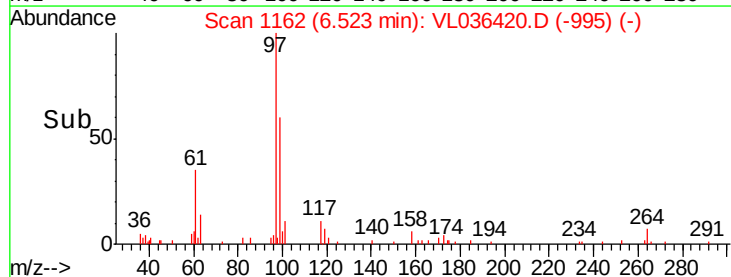
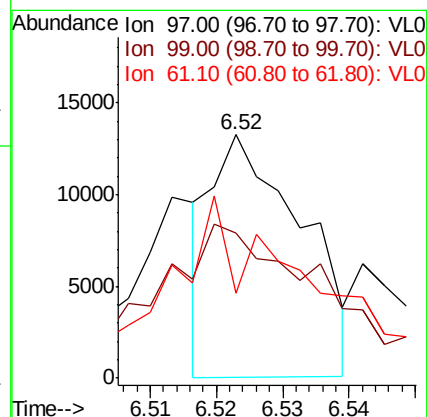
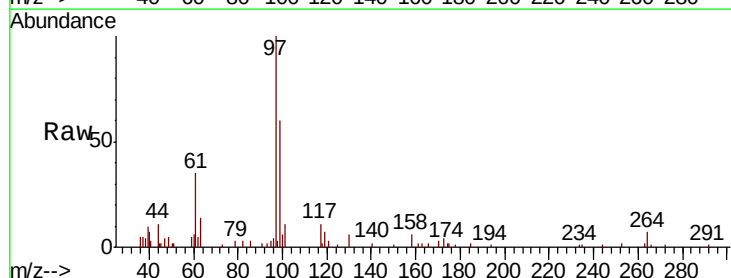
Tgt Ion: 97 Resp: 12528

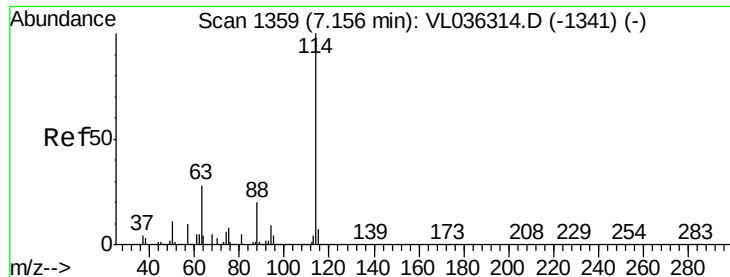
Ion Ratio Lower Upper

97 100

99 139.5 52.2 78.4#

61 135.5 43.3 64.9#



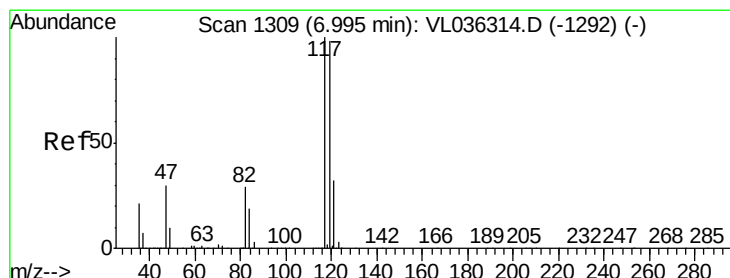
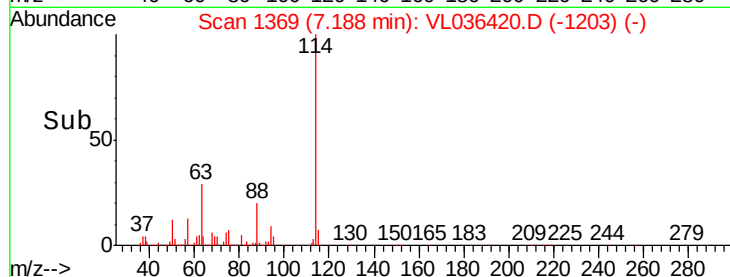
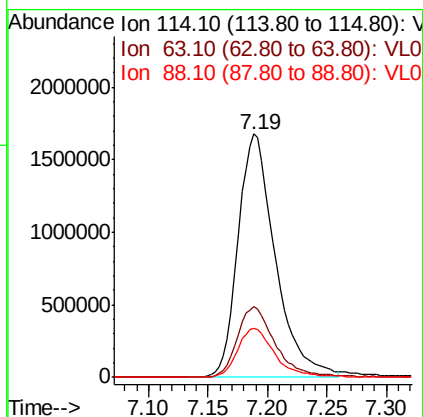
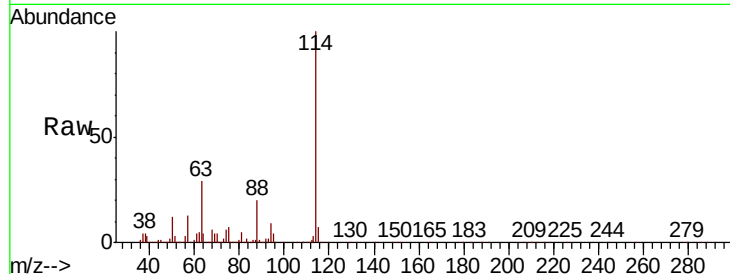


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.03 min
 Lab File: VL036420.D
 Acq: 1 Mar 2021 18:27

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3650623

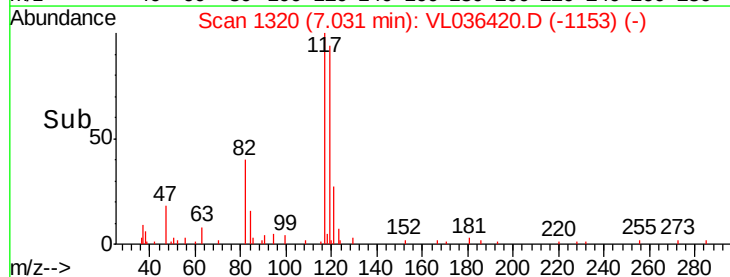
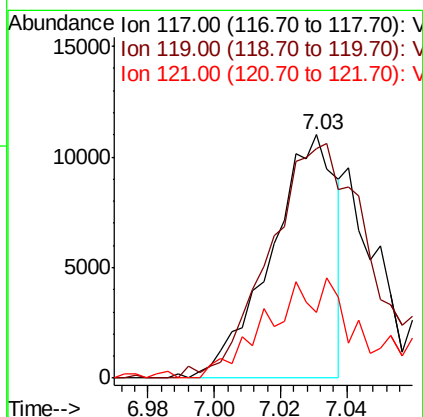
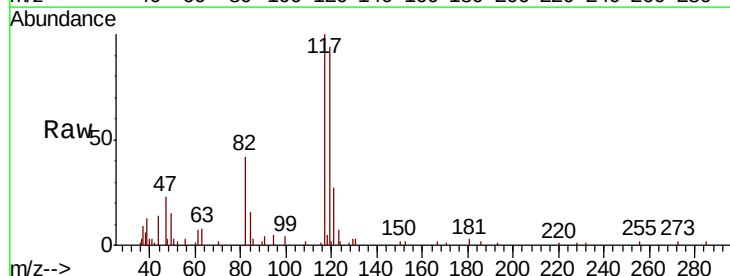
Ion	Ratio	Lower	Upper
114	100		
63	29.8	24.1	36.1
88	20.2	16.0	24.0

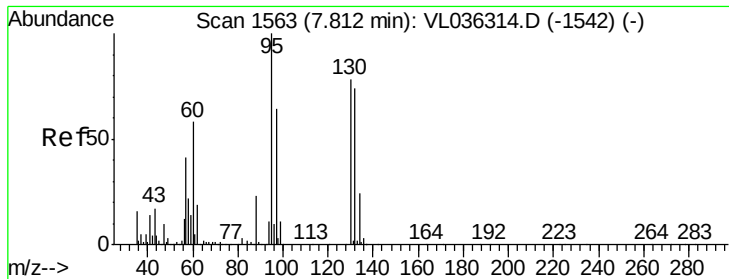


#35
 Carbon Tetrachloride
 Concen: 0.061 ppbv
 RT: 7.03 min Scan# 1320
 Delta R.T. 0.04 min
 Lab File: VL036420.D
 Acq: 1 Mar 2021 18:27

Tgt Ion:117 Resp: 14969

Ion	Ratio	Lower	Upper
117	100		
119	89.5	78.1	117.1
121	27.2	25.8	38.8

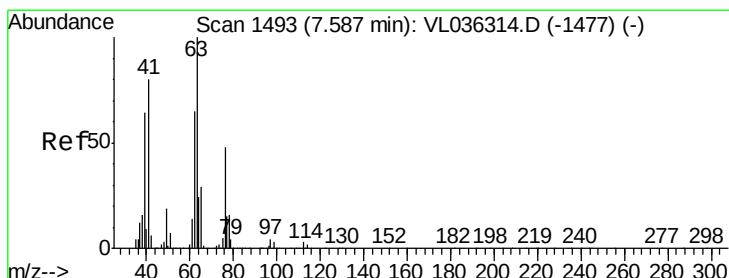
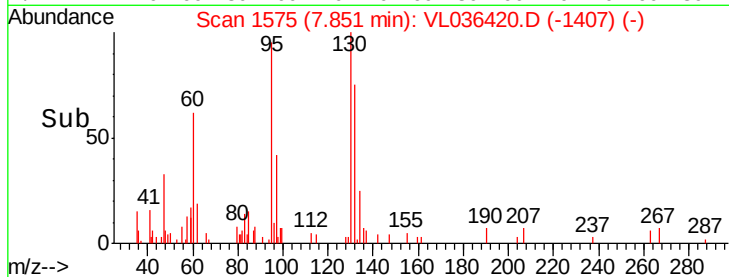
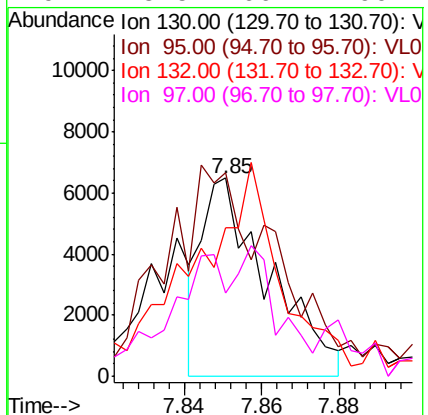
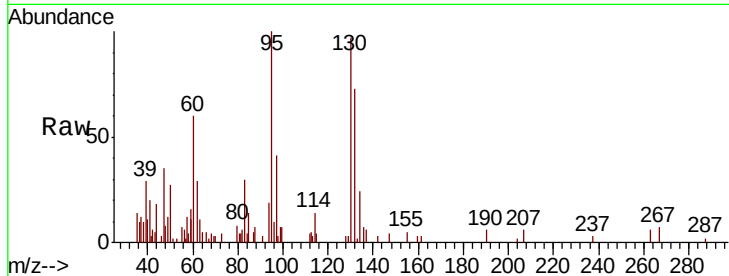




#38
 Trichloroethene
 Concen: 0.070 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.04 min
 Lab File: VL036420.D
 Acq: 1 Mar 2021 18:27

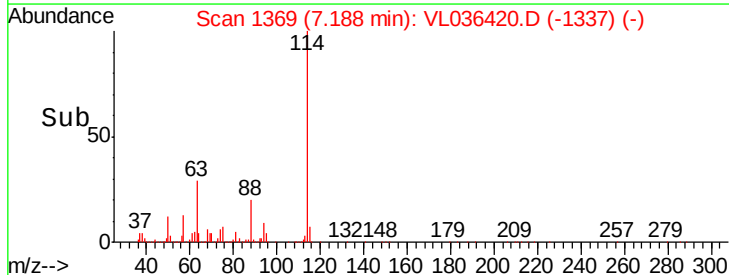
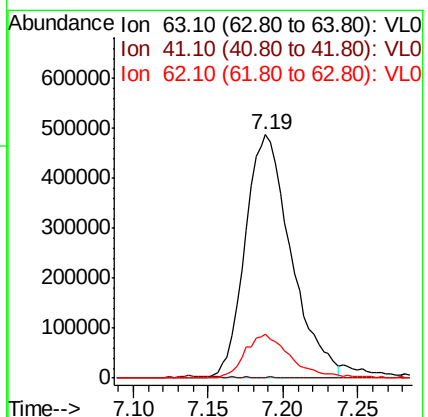
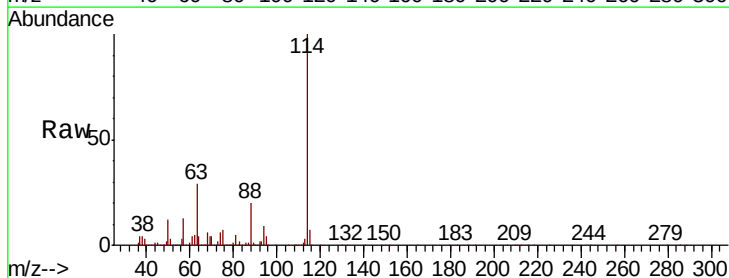
Instrument :
 MSVOA_L
 ClientSampleId :

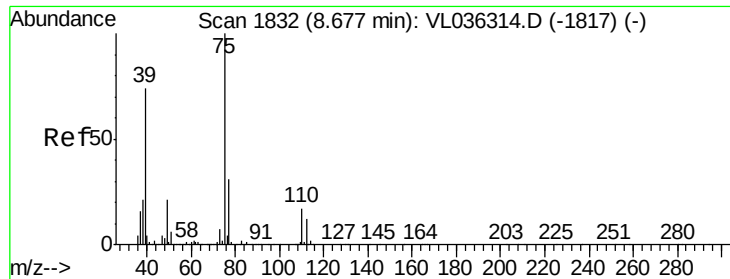
Tot Ion:130 Resp: 7790
 Ion Ratio Lower Upper
 130 100
 95 101.2 102.8 154.2#
 132 65.8 75.7 113.5#
 97 15.5 66.2 99.2#



#39
 1,2-Dichloropropane
 Concen: 8.264 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.40 min
 Lab File: VL036420.D
 Acq: 1 Mar 2021 18:27

Tgt Ion: 63 Resp: 1041053
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.8 95.6#
 62 18.2 52.3 78.5#



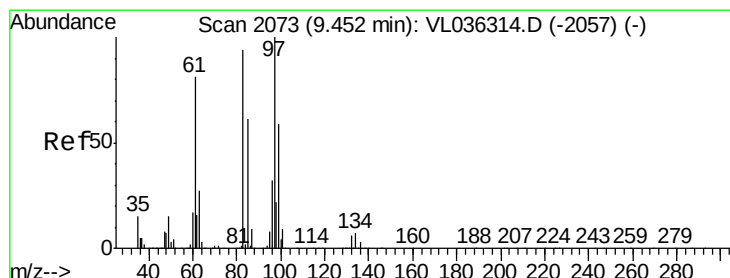
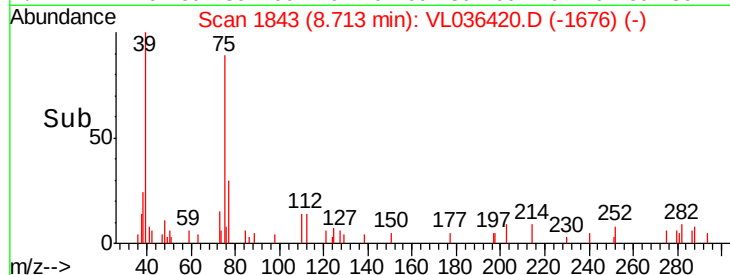
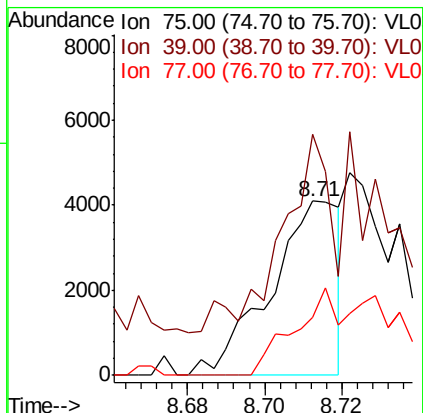
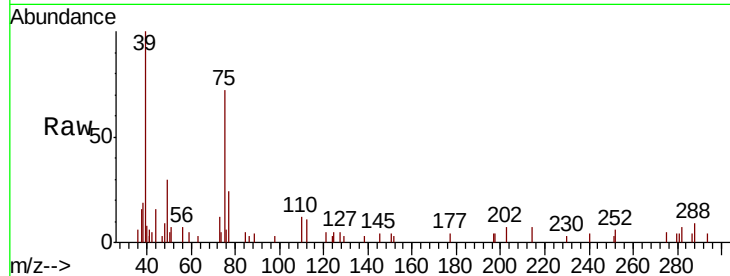


#46

cis-1,3-Dichloropropene
 Concen: 0.032 ppbv
 RT: 8.71 min Scan# 1843
 Delta R.T. 0.04 min
 Lab File: VL036420.D
 Acq: 1 Mar 2021 18:27

Instrument :
 MSVOA_L
 ClientSampleId :

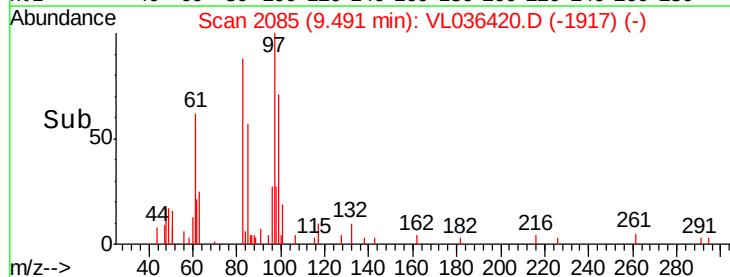
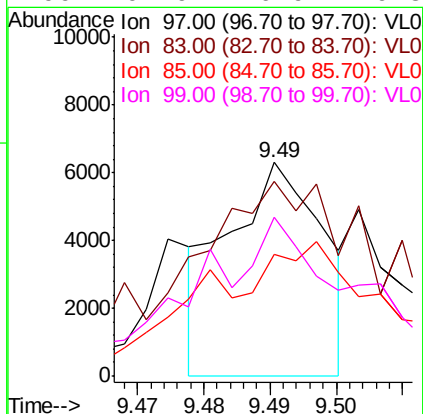
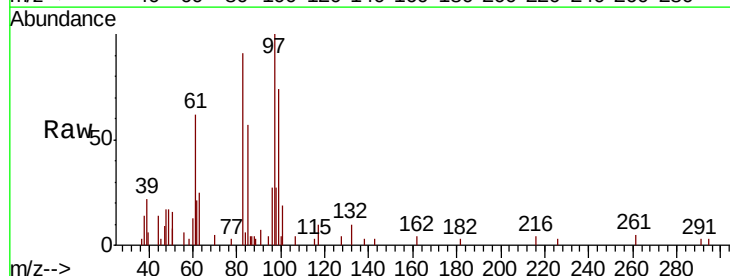
Tot Ion	Ratio	Lower	Upper
75	100		
39	114.2	59.2	88.8#
77	33.0	25.0	37.6

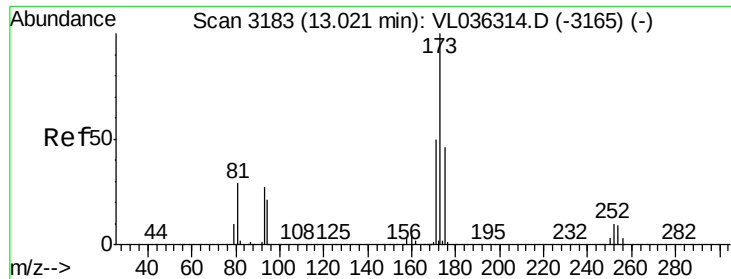


#47

1,1,2-Trichloroethane
 Concen: 0.049 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.04 min
 Lab File: VL036420.D
 Acq: 1 Mar 2021 18:27

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	75.4	113.0
85	50.6	48.9	73.3
99	101.9	46.9	70.3#





#49

Bromoform

Concen: 0.031 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. 0.05 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Instrument :

MSVOA_L

ClientSampleId :

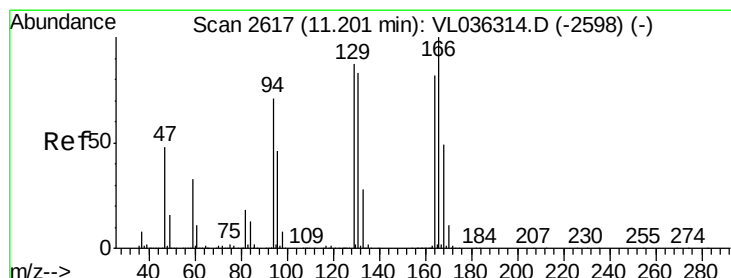
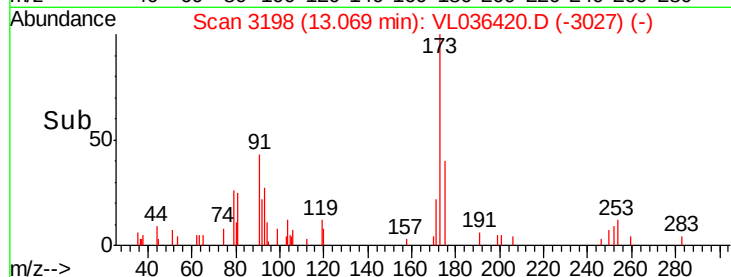
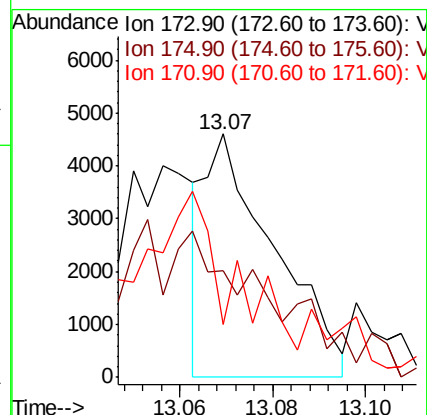
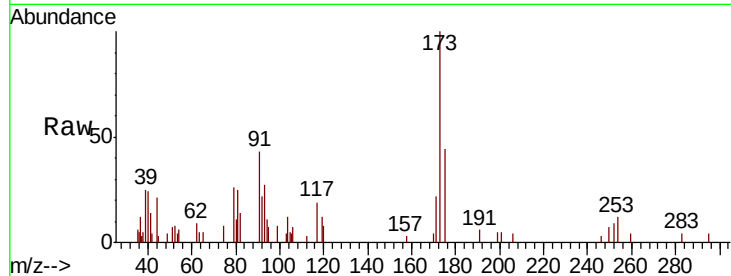
Tot Ion:173 Resp: 4762

Ion Ratio Lower Upper

173 100

175 0.0 40.2 60.2#

171 156.1 43.4 65.2#



#52

Tetrachloroethene

Concen: 0.030 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. 0.05 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Tgt Ion:164 Resp: 3407

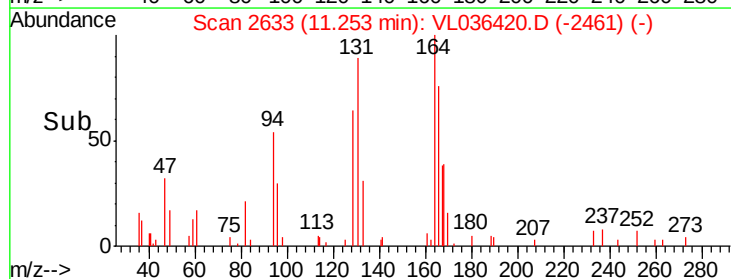
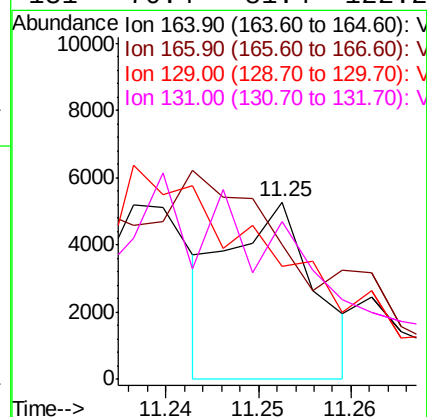
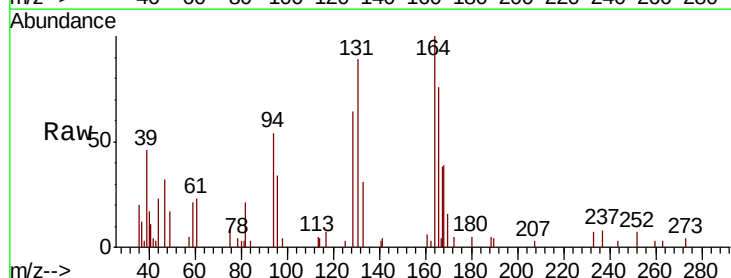
Ion Ratio Lower Upper

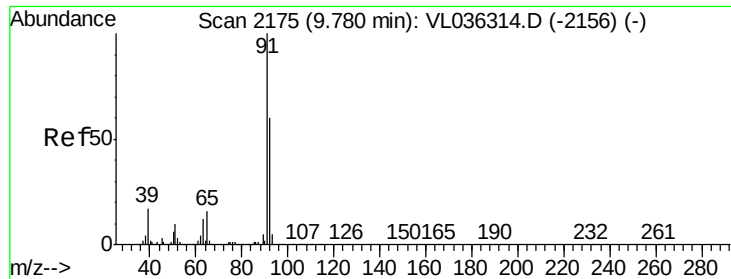
164 100

166 23.8 97.8 146.8#

129 40.6 84.9 127.3#

131 70.4 81.4 122.2#





#53

Toluene

Concen: 0.033 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.04 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Instrument :

MSVOA_L

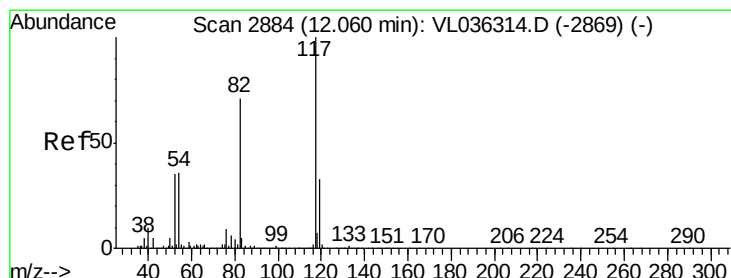
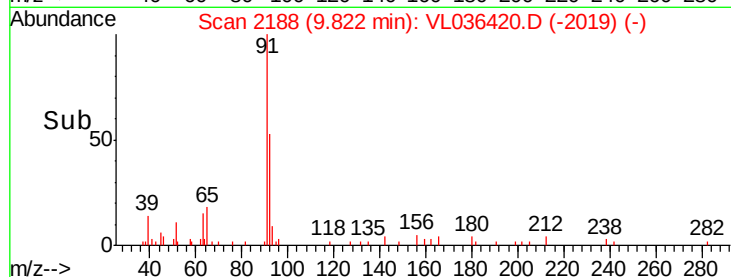
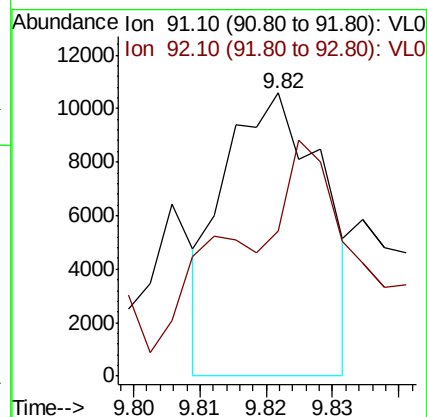
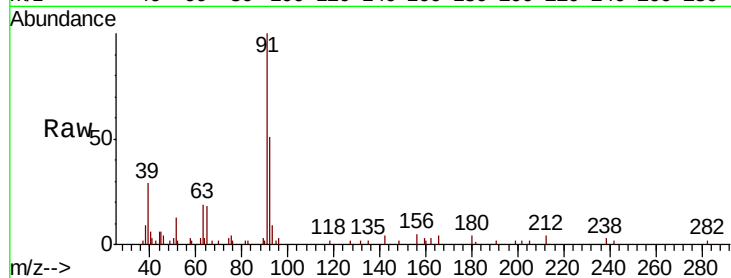
ClientSampled :

Tot Ion: 91 Resp: 10988

Ion Ratio Lower Upper

91 100

92 137.4 48.6 72.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.04 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

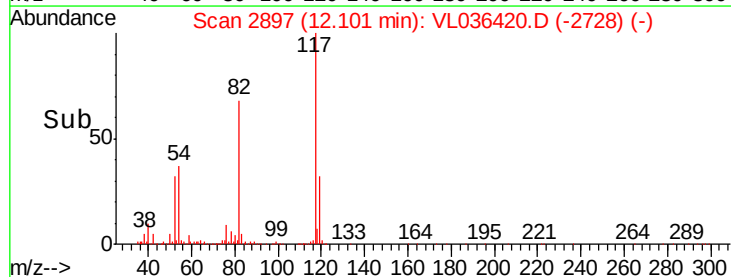
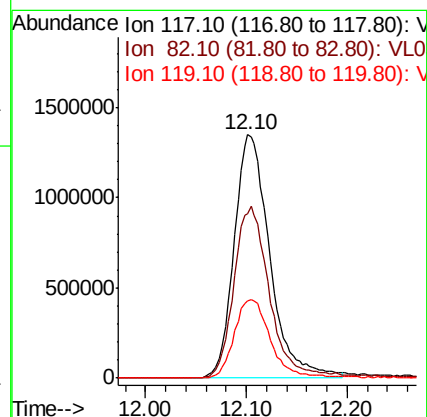
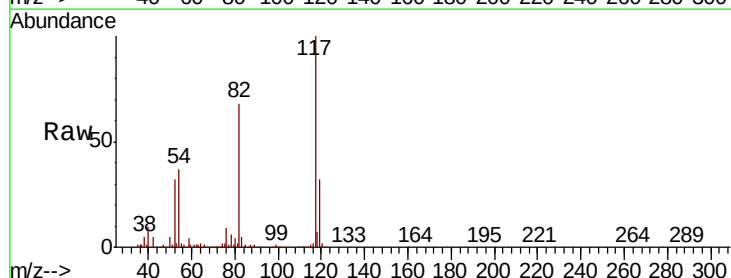
Tgt Ion: 117 Resp: 3325356

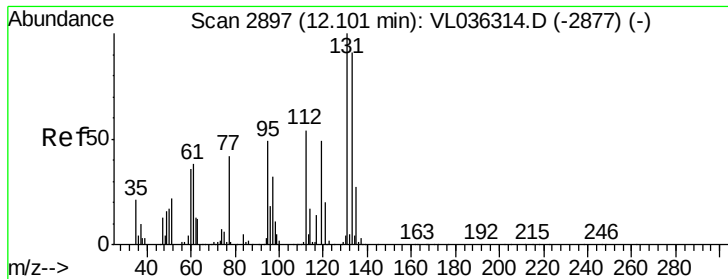
Ion Ratio Lower Upper

117 100

82 72.3 59.1 88.7

119 33.9 46.3 69.5#

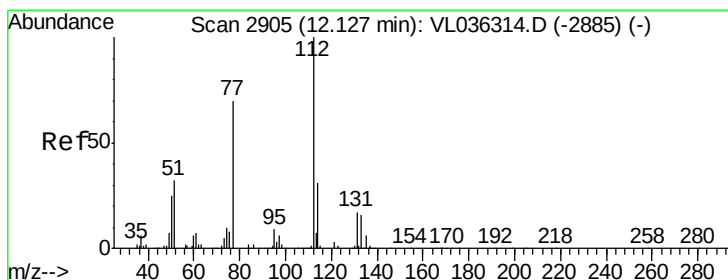
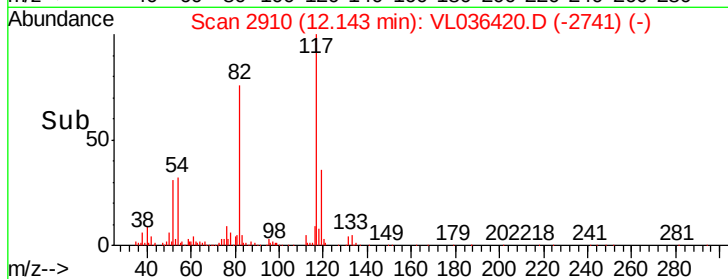
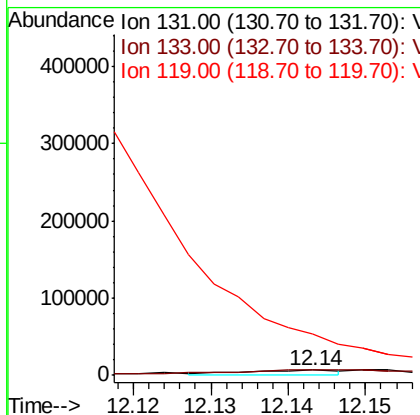
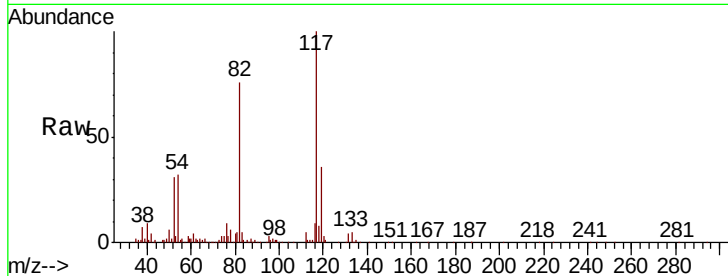




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.040 ppbv
 RT: 12.14 min Scan# 2910
 Delta R.T. 0.04 min
 Lab File: VL036420.D
 Acq: 1 Mar 2021 18:27

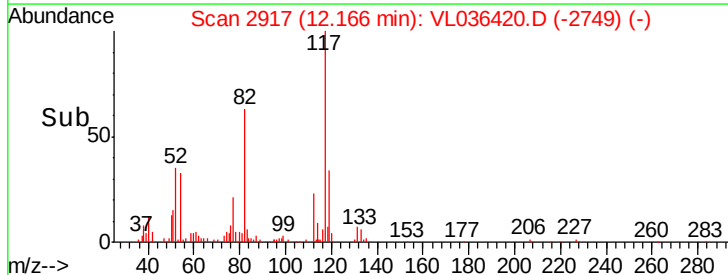
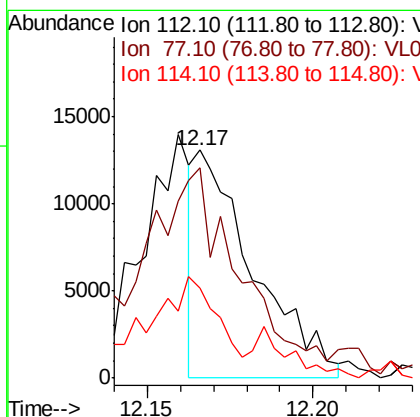
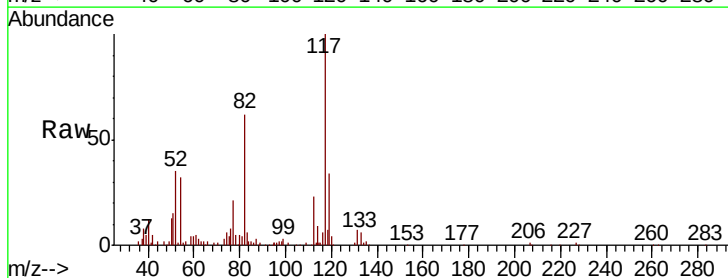
Instrument :
 MSVOA_L
 ClientSampleId :

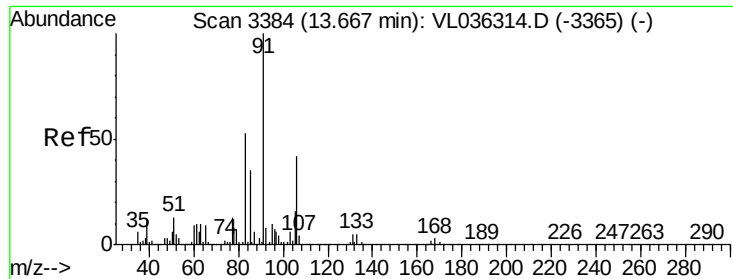
Tot Ion:131 Resp: 6172
 Ion Ratio Lower Upper
 131 100
 133 279.6 76.0 114.0#
 119 0.0 115.1 172.7#



#57
 Chlorobenzene
 Concen: 0.062 ppbv
 RT: 12.17 min Scan# 2917
 Delta R.T. 0.04 min
 Lab File: VL036420.D
 Acq: 1 Mar 2021 18:27

Tgt Ion:112 Resp: 15931
 Ion Ratio Lower Upper
 112 100
 77 85.6 56.1 84.1#
 114 38.1 28.3 34.5#

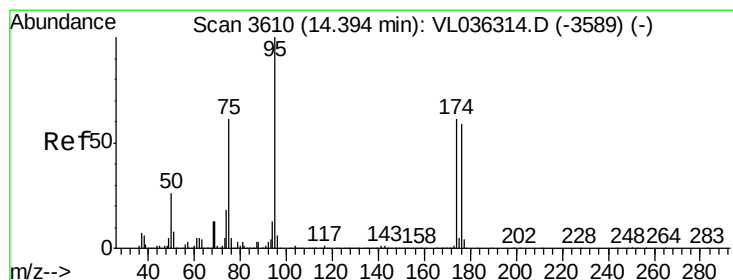
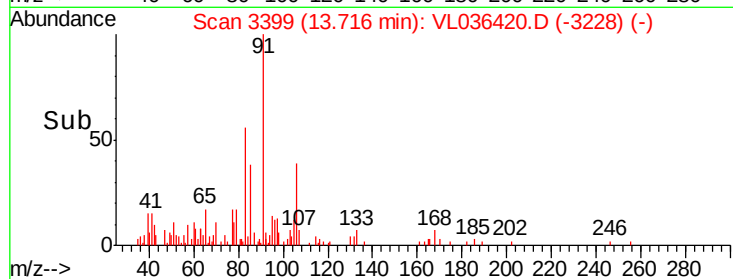
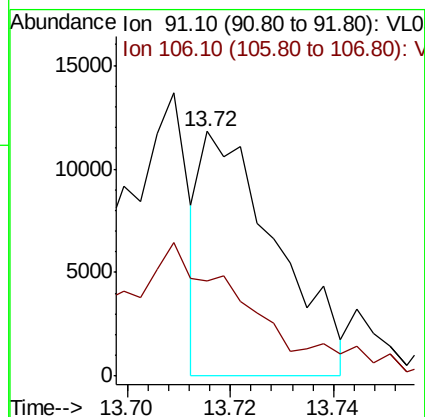
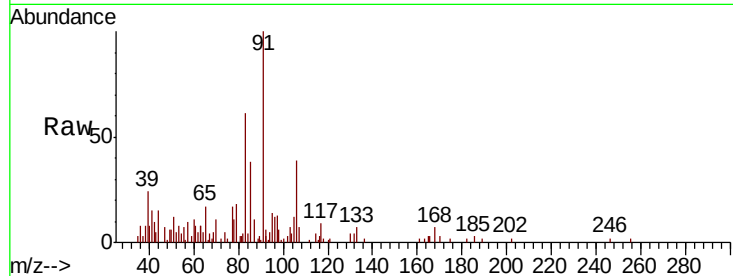




#60
o-Xylene
Concen: 0.031 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.05 min
Lab File: VL036420.D
Acq: 1 Mar 2021 18:27

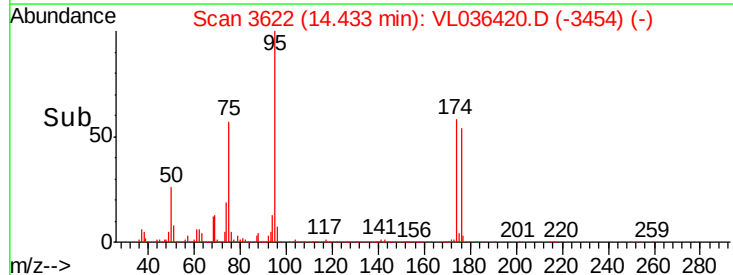
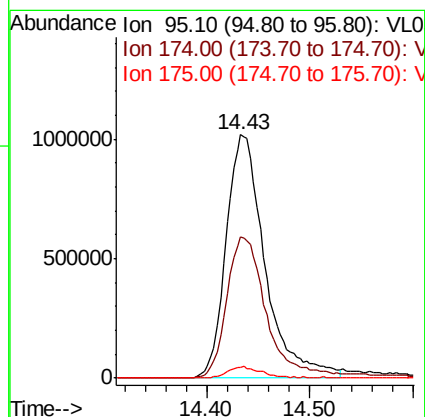
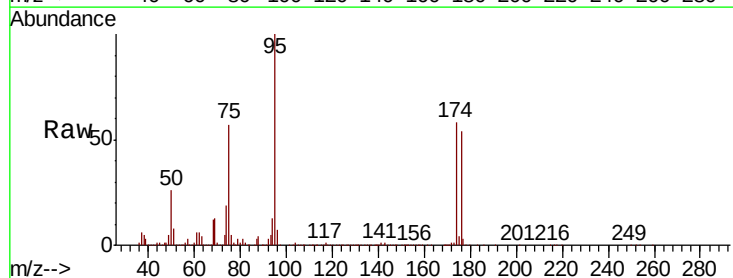
Instrument :
MSVOA_L
ClientSampled :

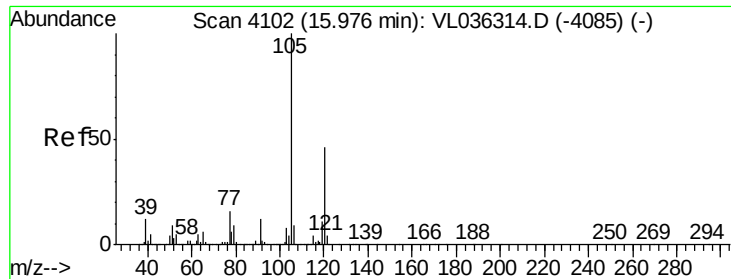
Tot Ion: 91 Resp: 12010
Ion Ratio Lower Upper
91 100
106 0.0 22.0 66.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.756 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. 0.04 min
Lab File: VL036420.D
Acq: 1 Mar 2021 18:27

Tgt Ion: 95 Resp: 2669239
Ion Ratio Lower Upper
95 100
174 62.1 49.8 74.6
175 4.6 3.7 5.5





#73

1,3,5-Trimethylbenzene

Concen: 0.044 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. 0.05 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Instrument :

MSVOA_L

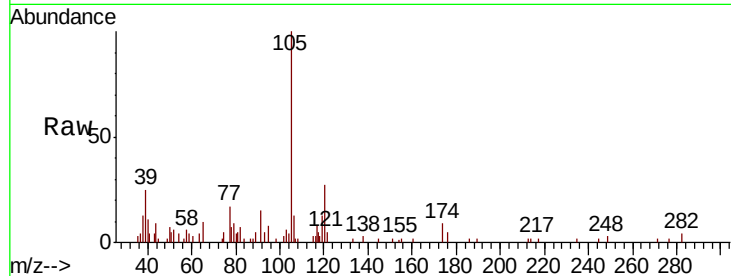
ClientSampled :

Tot Ion:105 Resp: 18276

Ion Ratio Lower Upper

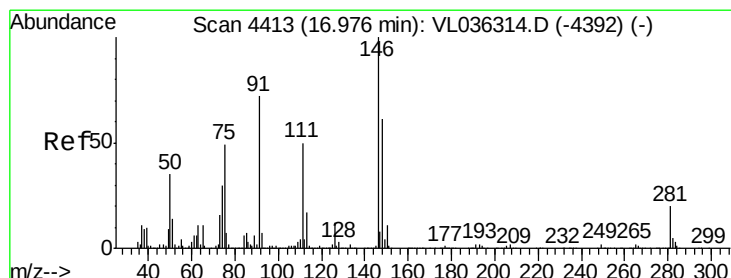
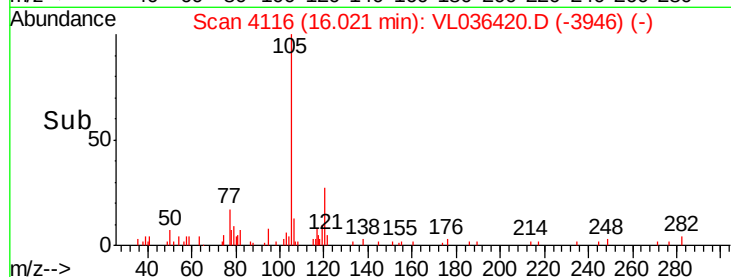
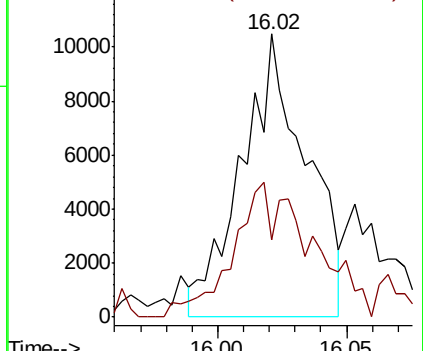
105 100

120 24.2 36.9 55.3#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#75

1,3-Dichlorobenzene

Concen: 0.032 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. 0.05 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

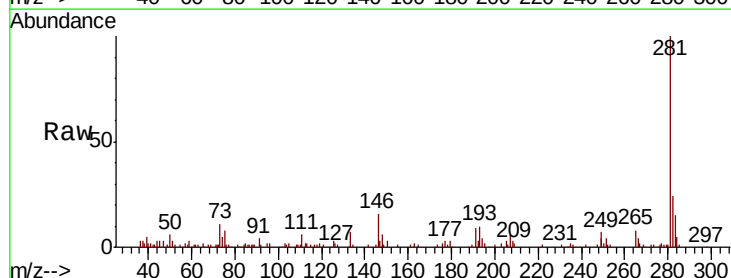
Tgt Ion:146 Resp: 7223

Ion Ratio Lower Upper

146 100

111 0.0 24.9 74.6#

148 0.0 31.9 95.9#



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

