

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036230.D
 Acq On : 13 Jan 2021 18:11
 Operator : SY/AP
 Sample : M1066-04
 Misc : 400ml/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS4

Quant Time: Jan 13 22:08:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 07:53:51 2021
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1563869	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3387855	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2960186	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2412155	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

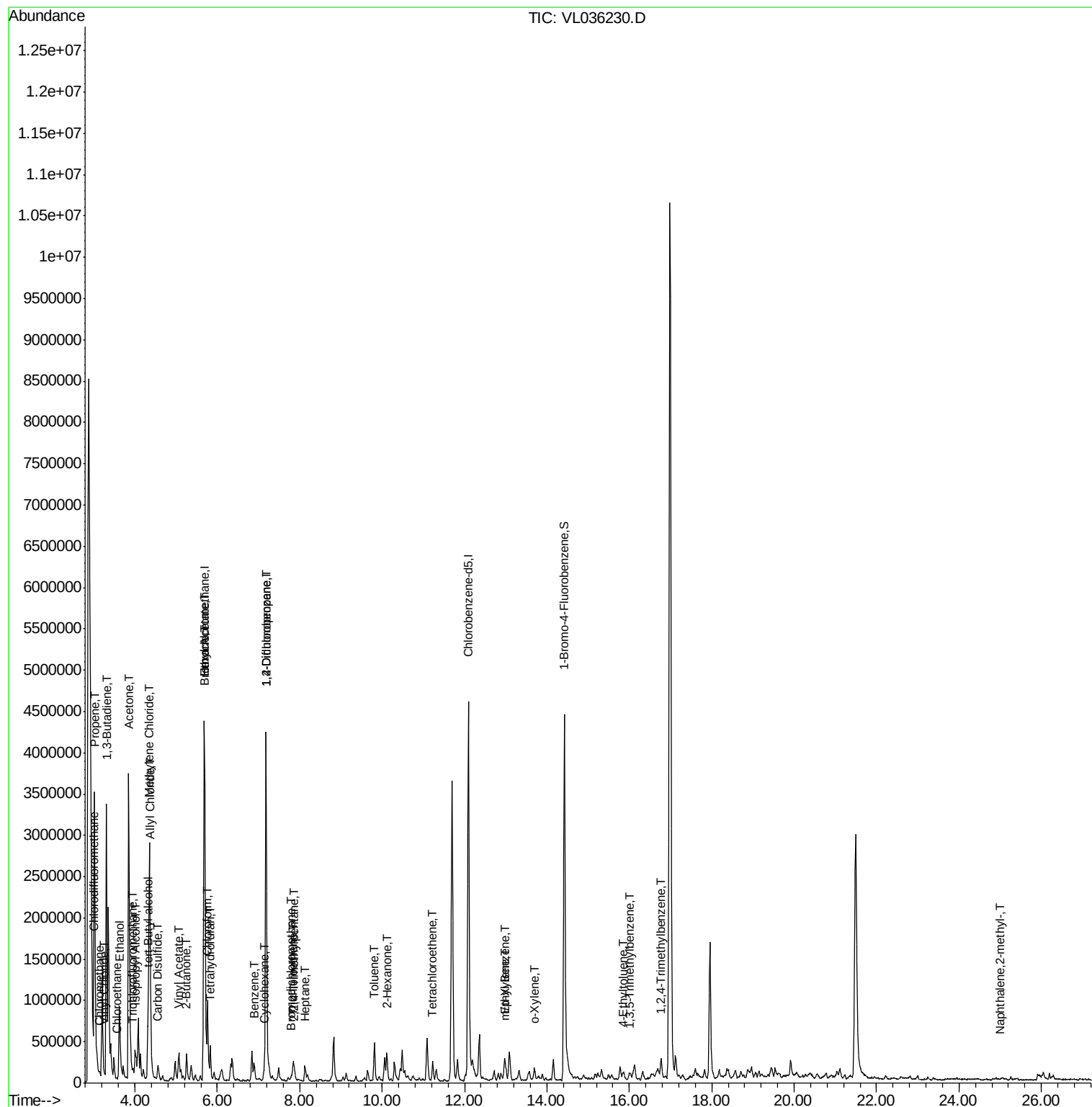
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	41682	0.215	ppbv #	84
4) Chloromethane	3.14	50	36631	0.382	ppbv #	79
5) Vinyl Chloride	3.25	62	3142	0.035	ppbv #	57
7) Chloroethane	3.56	64	7888	0.262	ppbv #	75
9) Propene	3.01	41	1802440	19.493	ppbv	88
10) Heptane	8.13	43	75526	0.329	ppbv #	86
11) Trichlorofluoromethane	3.95	101	41673	0.200	ppbv	99
13) Ethanol	3.62	45	1327169	68.364	ppbv	85
15) Acetone	3.85	43	5159267	27.777	ppbv	99
16) 1,3-Butadiene	3.31	39	1237855	13.984	ppbv #	18
17) tert-Butyl alcohol	4.32	59	445156	2.925	ppbv	98
19) Isopropyl Alcohol	4.00	45	60873	0.567	ppbv #	93
20) Methylene Chloride	4.35	84	972739	17.102	ppbv	94
21) Allyl Chloride	4.37	41	291882	2.880	ppbv #	65
23) Vinyl Acetate	5.07	43	82441	0.352	ppbv #	73
25) Ethyl Acetate	5.69	43	1094814	2.895	ppbv #	78
26) Hexane	5.69	57	1420558	8.981	ppbv #	37
27) Carbon Disulfide	4.56	76	213992	1.683	ppbv	95
29) Chloroform	5.76	83	633765	2.738	ppbv	99
30) Cyclohexane	7.13	84	38642	0.313	ppbv	84
34) 2-Butanone	5.25	43	437015	2.024	ppbv	95
36) Benzene	6.89	78	144856	0.467	ppbv #	90
38) Trichloroethene	7.84	130	60549	0.522	ppbv	89
39) 1,2-Dichloropropane	7.18	63	982321	7.794	ppbv #	22
41) Tetrahydrofuran	5.83	42	7025	0.055	ppbv #	44
42) Bromodichloromethane	7.80	83	9243	0.039	ppbv #	96
44) 2,2,4-Trimethylpentane	7.87	57	52608	0.092	ppbv #	1
51) 2-Hexanone	10.11	43	193503	0.686	ppbv #	32
52) Tetrachloroethene	11.23	164	30573	0.267	ppbv	92
53) Toluene	9.82	91	141202	0.411	ppbv #	20
58) Ethyl Benzene	12.97	91	166460	0.379	ppbv	92
59) m/p-Xylene	13.00	91	66942	0.177	ppbv #	33
60) o-Xylene	13.70	91	109720	0.302	ppbv	99
72) 4-Ethyltoluene	15.84	105	43047	0.105	ppbv #	86
73) 1,3,5-Trimethylbenzene	16.01	105	45407	0.116	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	149191	0.372	ppbv #	62
80) Naphthalene, 2-methyl-	25.00	142	1468	0.031	ppbv #	34

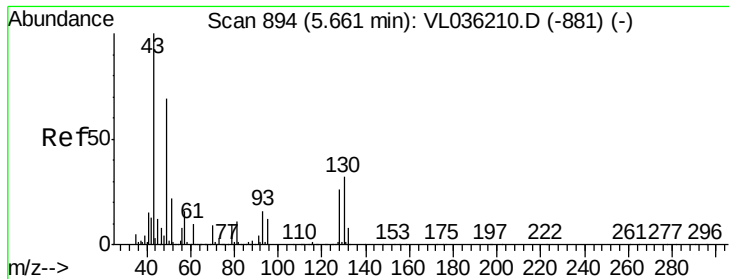
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

Instrument :

MSVOA_L

ClientSampled :

0121-SS4

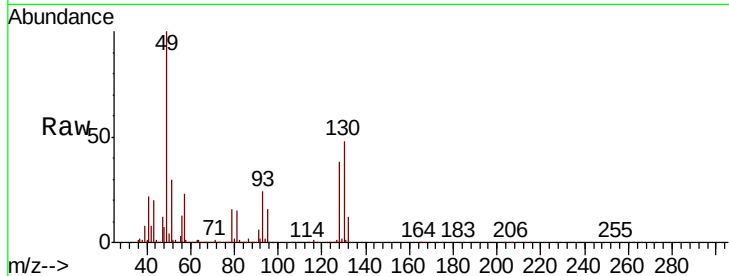
Tot Ion: 49 Resp: 1563869

Ion Ratio Lower Upper

49 100

128 40.3 20.1 60.2

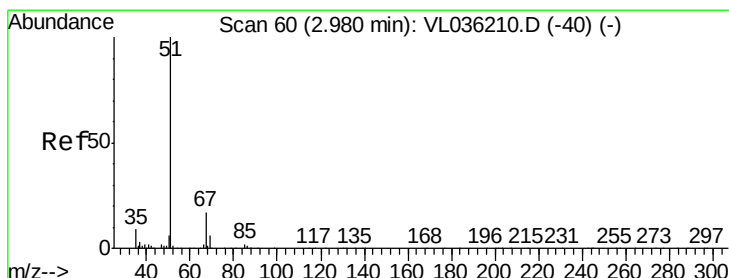
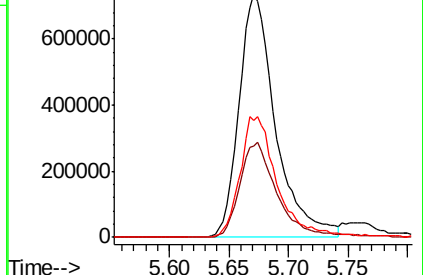
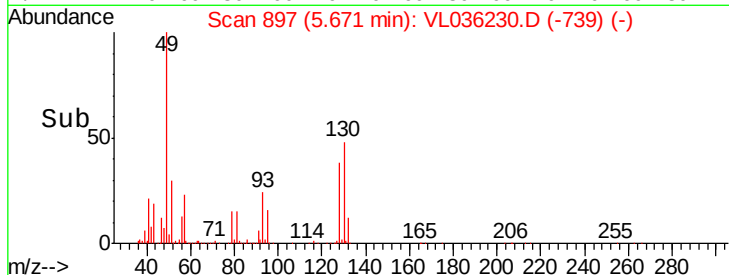
130 51.3 25.3 75.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.215 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL036230.D

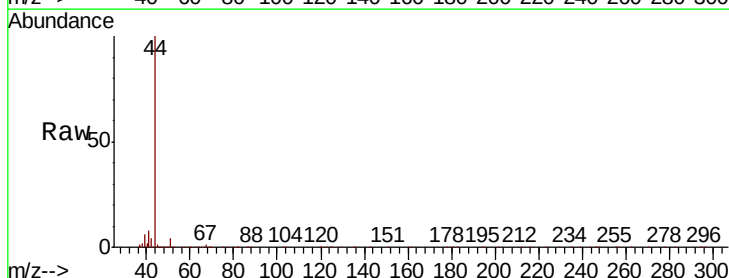
Acq: 13 Jan 2021 18:11

Tgt Ion: 51 Resp: 41682

Ion Ratio Lower Upper

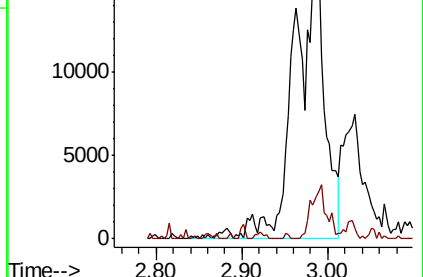
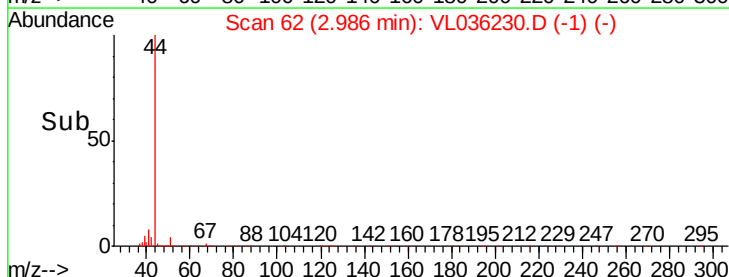
51 100

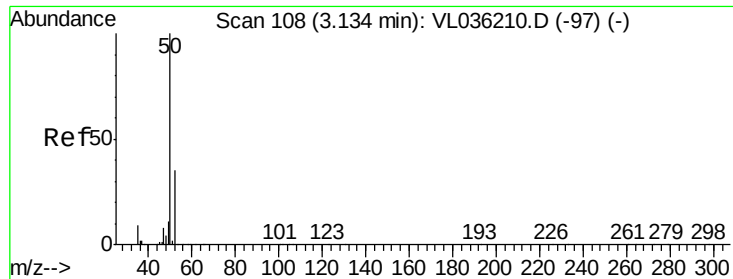
67 10.5 14.0 21.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.382 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

Instrument :

MSVOA_L

ClientSampleId :

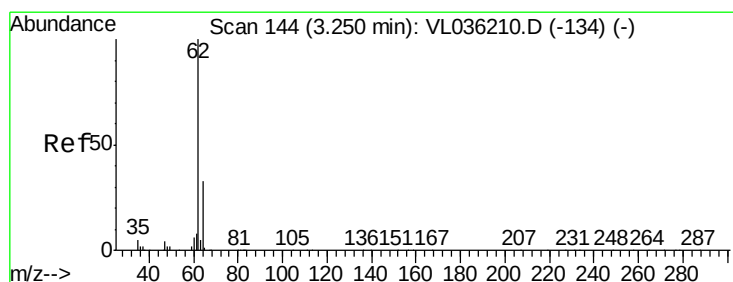
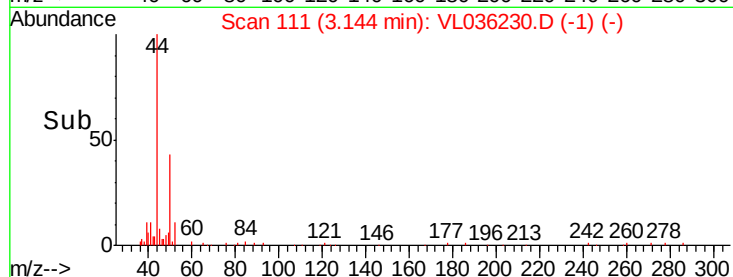
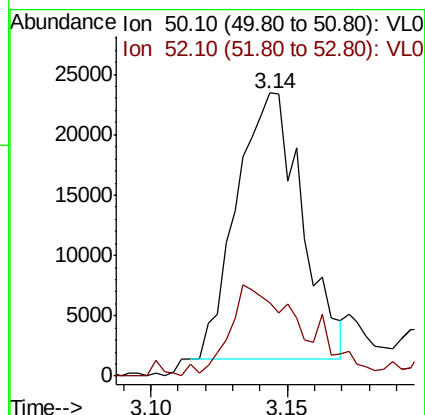
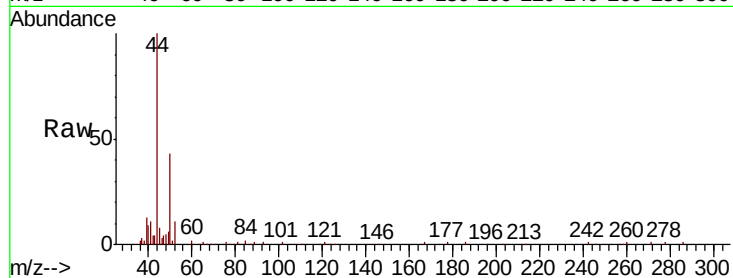
0121-SS4

Tot Ion: 50 Resp: 36631

Ion Ratio Lower Upper

50 100

52 22.8 27.8 41.8#



#5

Vinyl Chloride

Concen: 0.035 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL036230.D

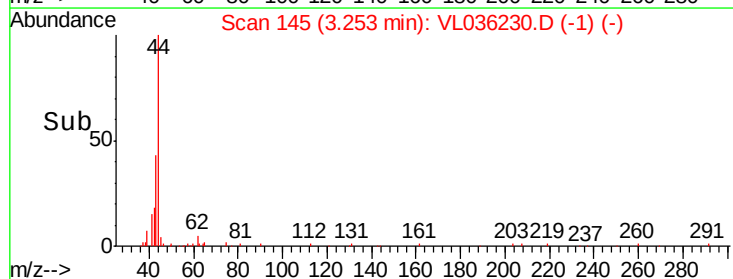
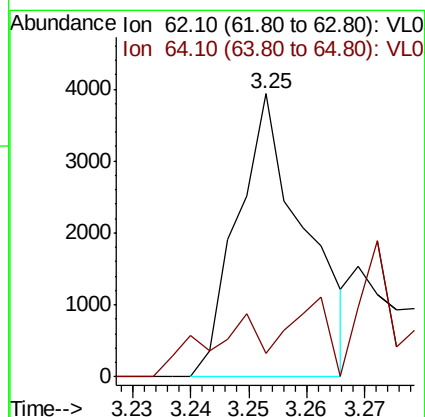
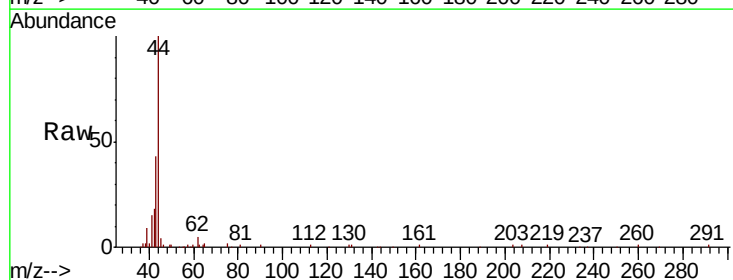
Acq: 13 Jan 2021 18:11

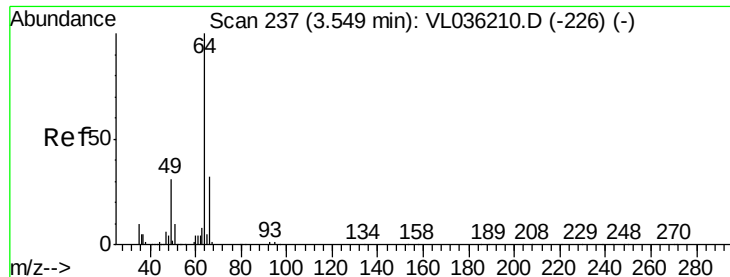
Tgt Ion: 62 Resp: 3142

Ion Ratio Lower Upper

62 100

64 8.3 26.2 39.2#





#7

Chloroethane

Concen: 0.262 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.01 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

Instrument :

MSVOA_L

ClientSampleId :

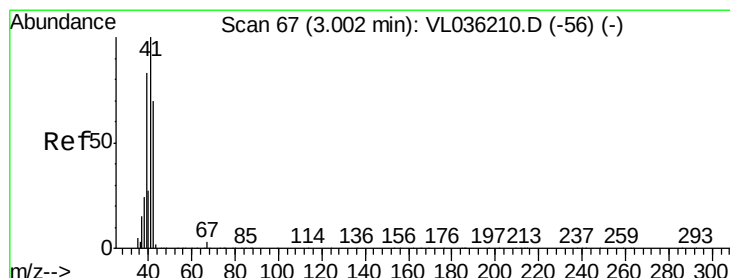
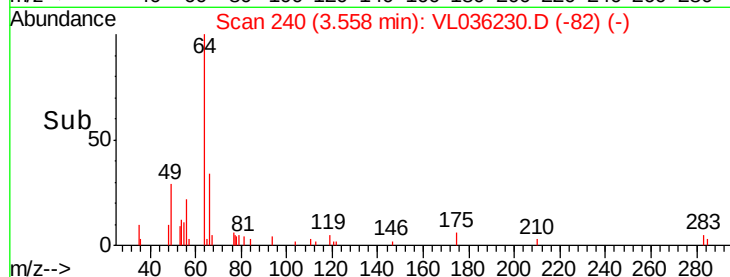
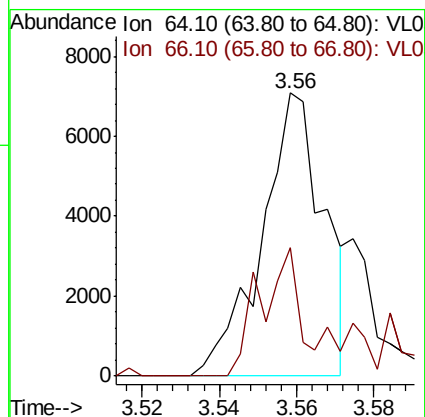
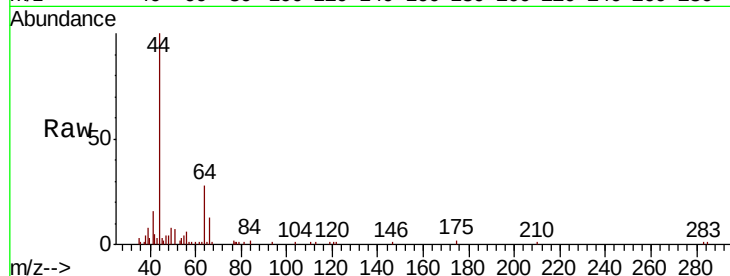
0121-SS4

Tot Ion: 64 Resp: 7888

Ion Ratio Lower Upper

64 100

66 45.6 25.2 37.8#



#9

Propene

Concen: 19.493 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL036230.D

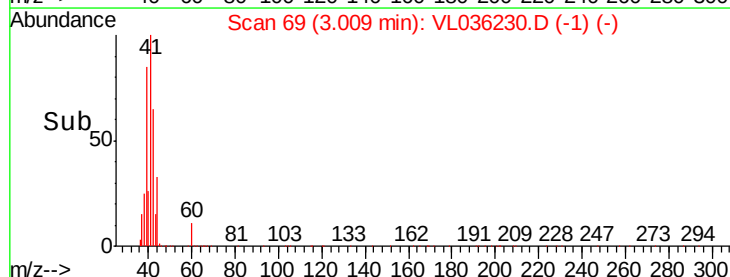
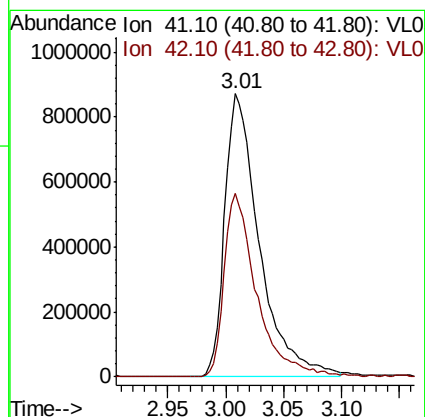
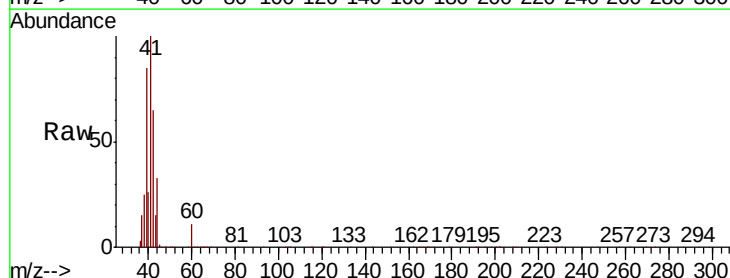
Acq: 13 Jan 2021 18:11

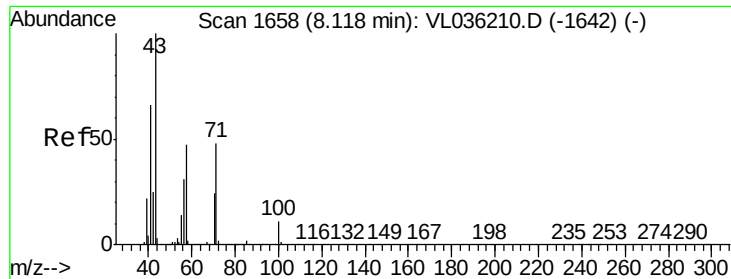
Tgt Ion: 41 Resp: 1802440

Ion Ratio Lower Upper

41 100

42 61.3 57.1 85.7

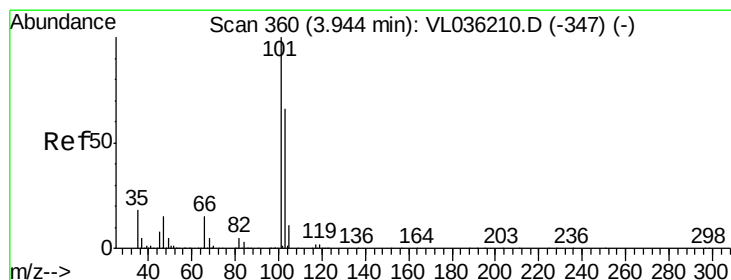
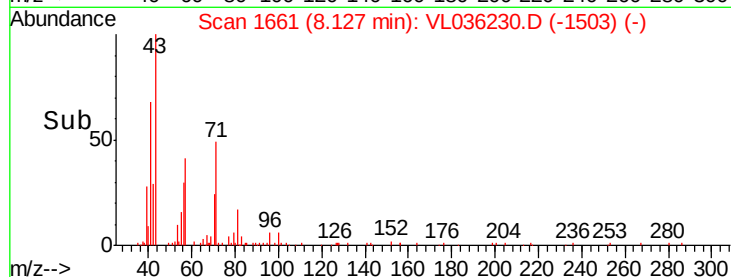
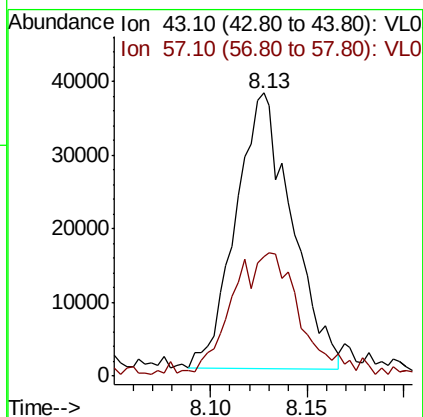
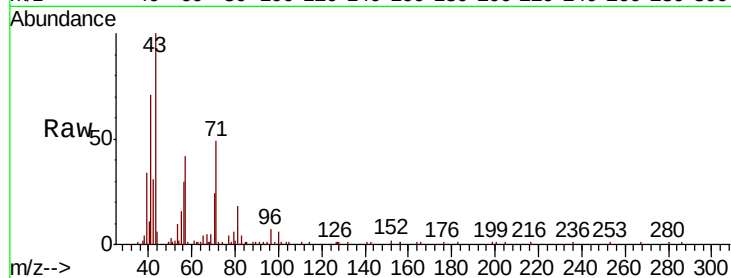




#10
 Heptane
 Concen: 0.329 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.01 min
 Lab File: VL036230.D
 Acq: 13 Jan 2021 18:11

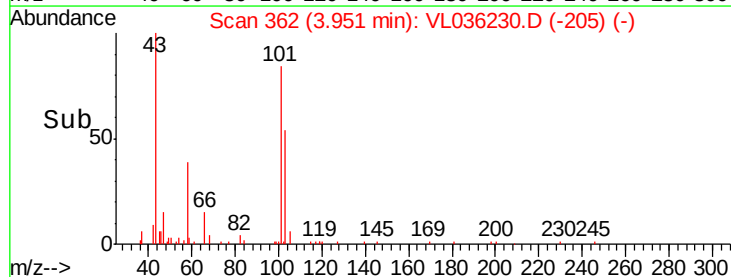
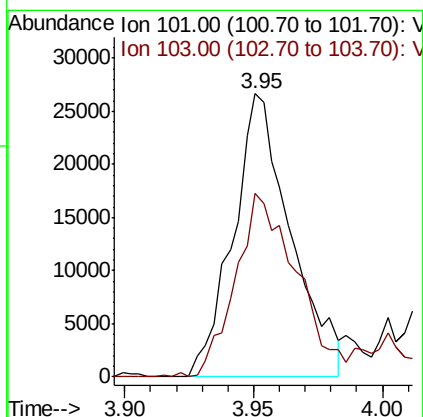
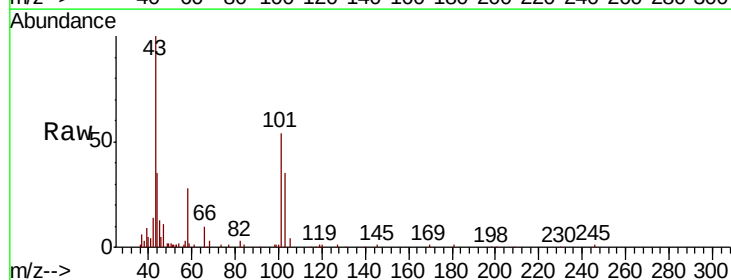
Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS4

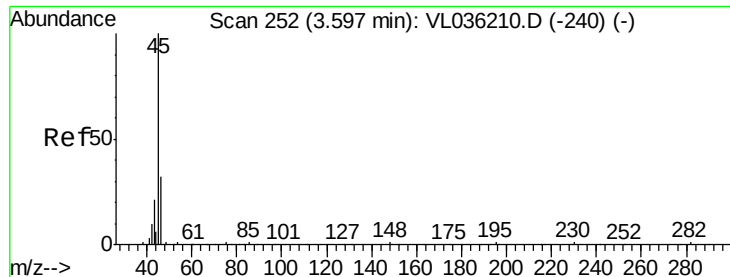
Tot Ion: 43 Resp: 75526
 Ion Ratio Lower Upper
 43 100
 57 57.2 38.1 57.1#



#11
 Trichlorofluoromethane
 Concen: 0.200 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.01 min
 Lab File: VL036230.D
 Acq: 13 Jan 2021 18:11

Tgt Ion: 101 Resp: 41673
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.6 78.8





#13

Ethanol

Concen: 68.364 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

Instrument :

MSVOA_L

ClientSampleId :

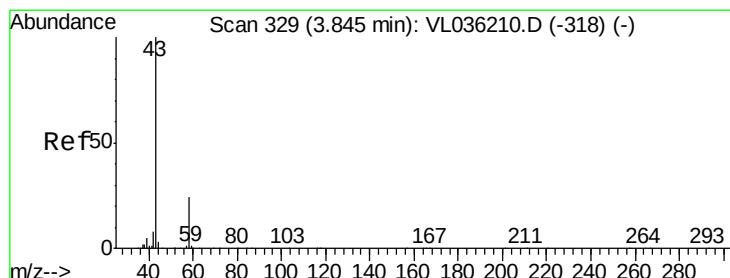
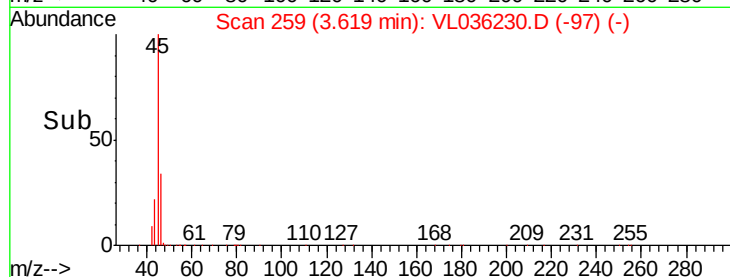
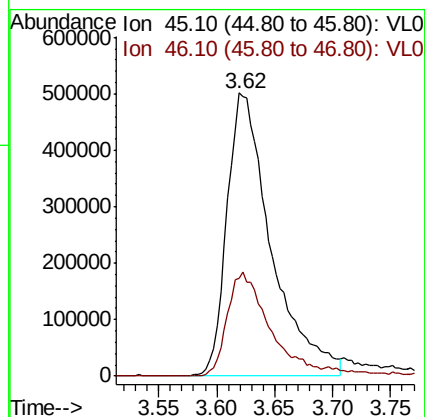
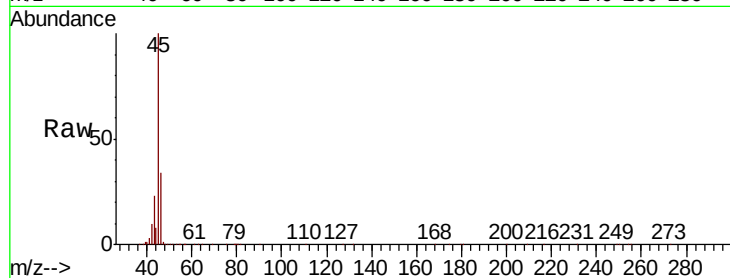
0121-SS4

Tot Ion: 45 Resp: 1327169

Ion Ratio Lower Upper

45 100

46 38.1 19.2 77.0



#15

Acetone

Concen: 27.777 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL036230.D

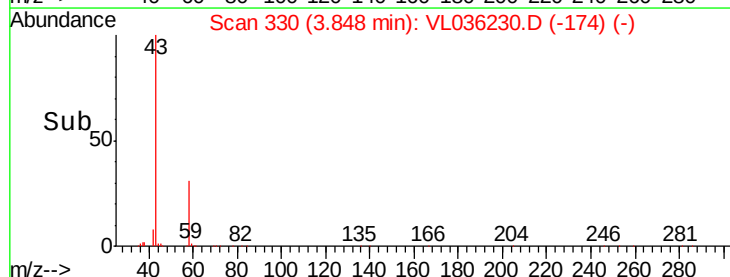
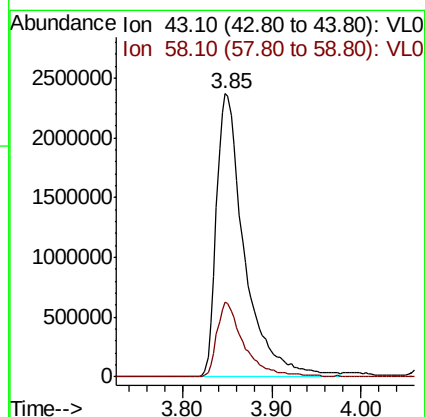
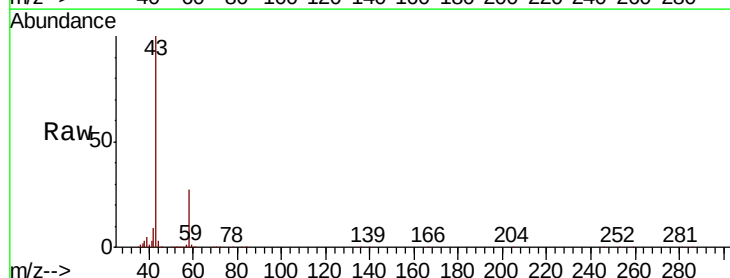
Acq: 13 Jan 2021 18:11

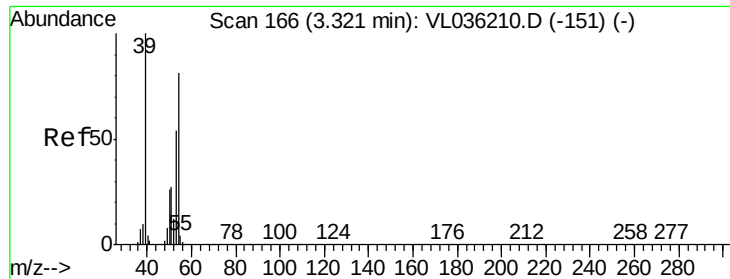
Tgt Ion: 43 Resp: 5159267

Ion Ratio Lower Upper

43 100

58 25.7 20.9 31.3

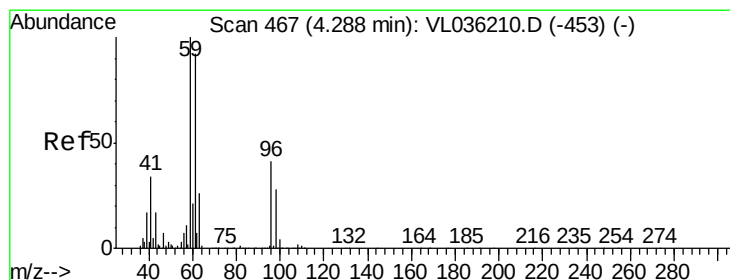
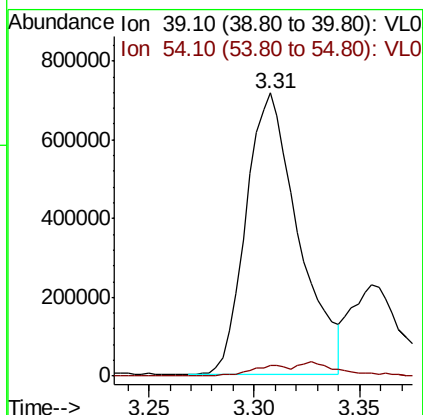
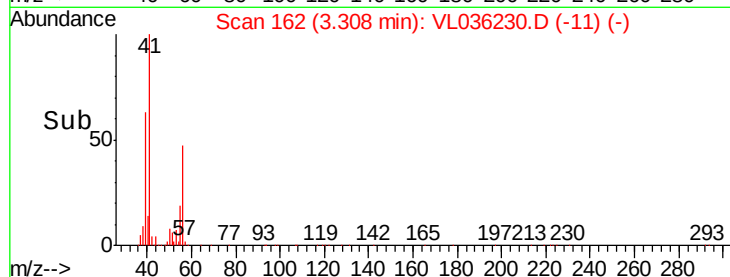
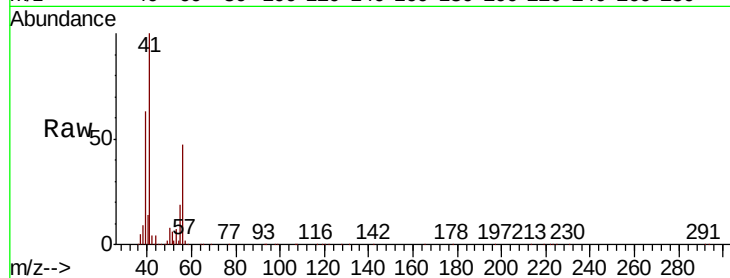




#16
1,3-Butadiene
Concen: 13.984 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.01 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

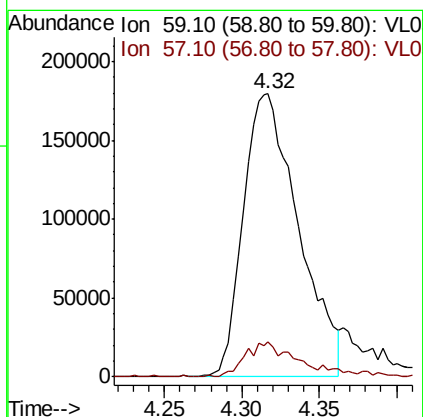
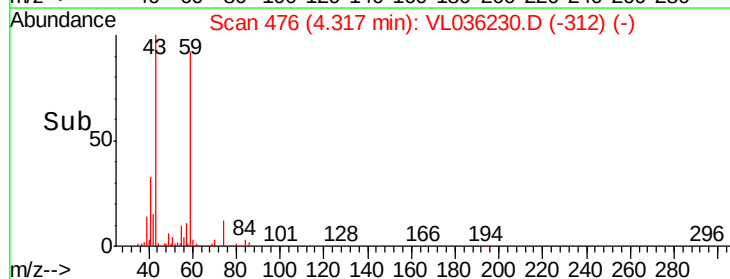
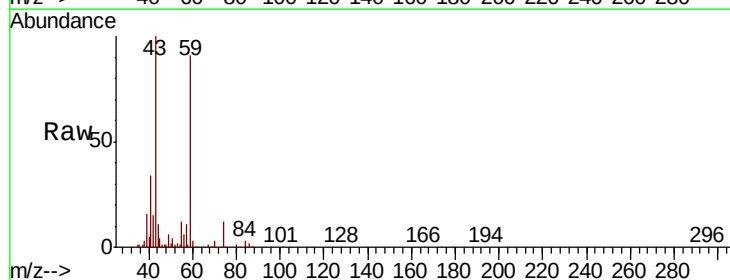
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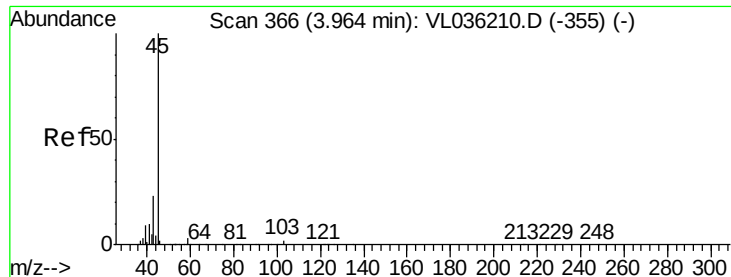
Tot Ion: 39 Resp: 1237855
Ion Ratio Lower Upper
39 100
54 7.0 62.5 93.7#



#17
tert-Butyl alcohol
Concen: 2.925 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.03 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

Tgt Ion: 59 Resp: 445156
Ion Ratio Lower Upper
59 100
57 12.2 9.2 13.8





#19

Isopropyl Alcohol

Concen: 0.567 ppbv

RT: 4.00 min Scan# 378

Delta R.T. 0.04 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

Instrument :

MSVOA_L

ClientSampleId :

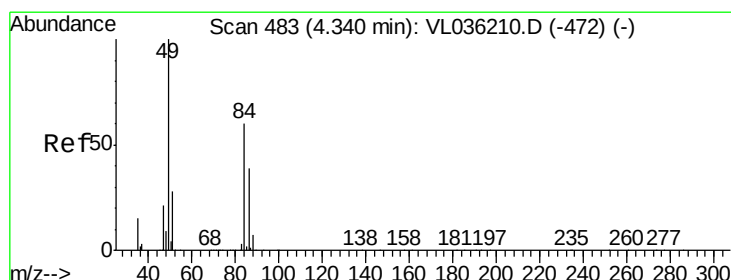
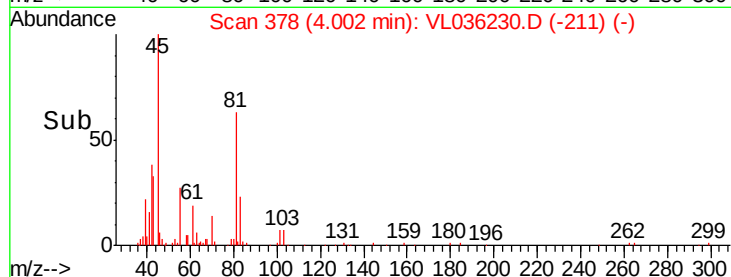
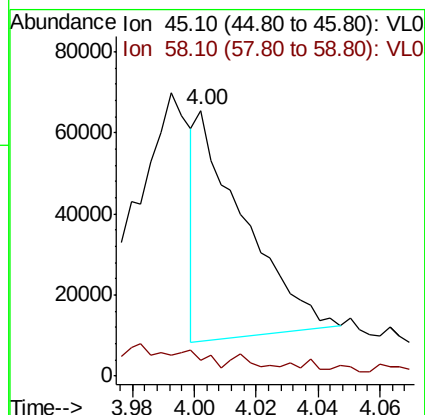
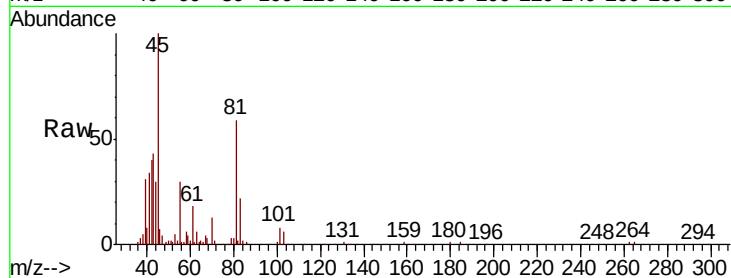
0121-SS4

Tot Ion: 45 Resp: 60873

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#



#20

Methylene Chloride

Concen: 17.102 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

Tgt Ion: 84 Resp: 972739

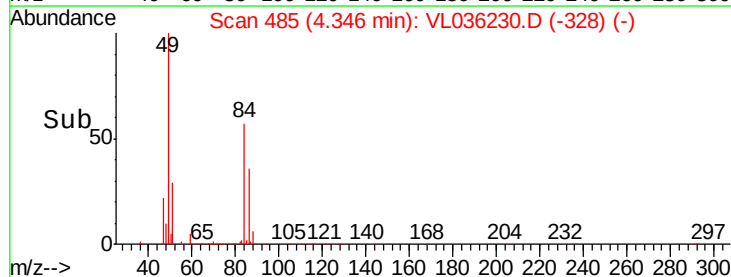
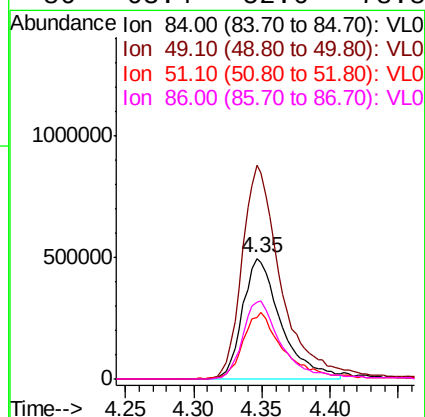
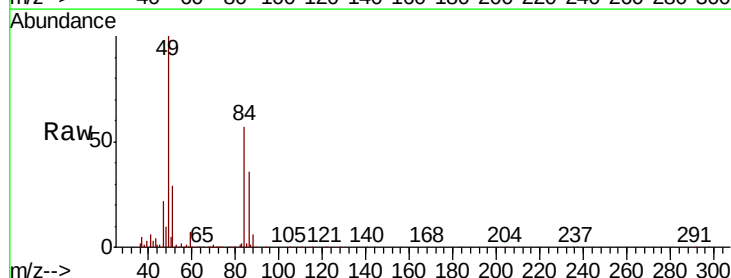
Ion Ratio Lower Upper

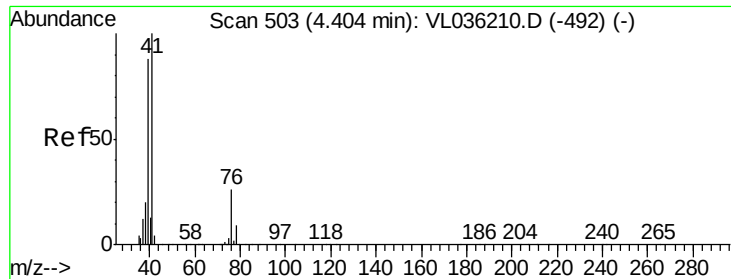
84 100

49 176.5 134.1 201.1

51 50.8 37.4 56.0

86 63.4 52.6 78.8

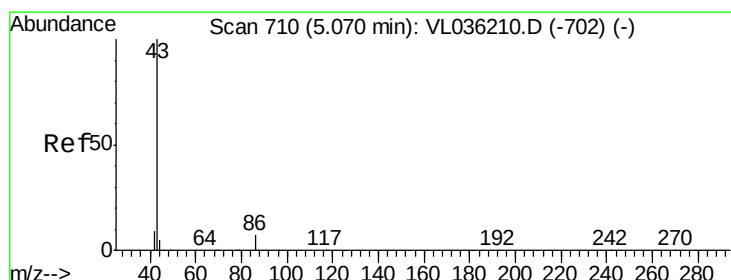
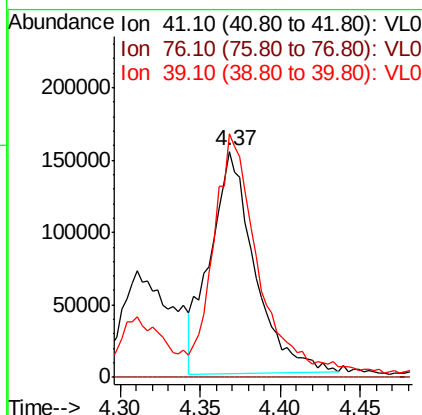
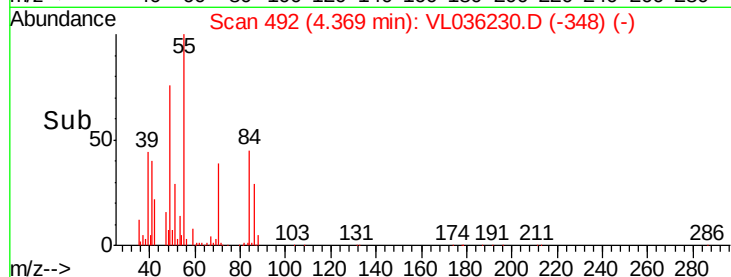
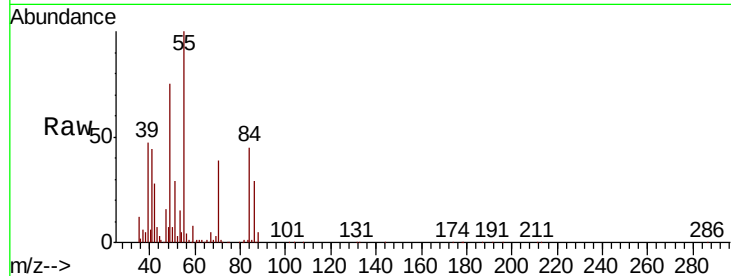




#21
Allvl Chloride
Concen: 2.880 ppbv
RT: 4.37 min Scan# 492
Delta R.T. -0.04 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

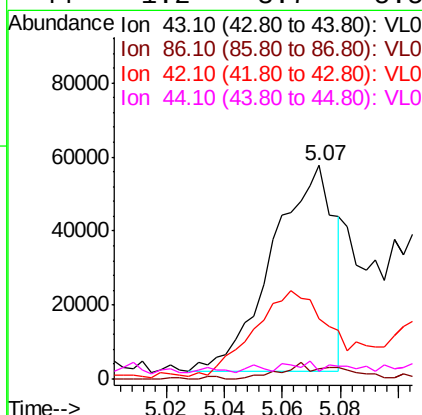
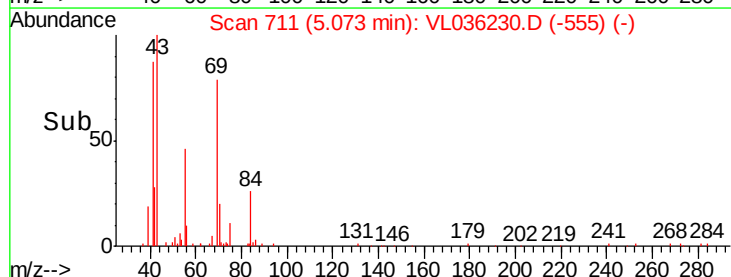
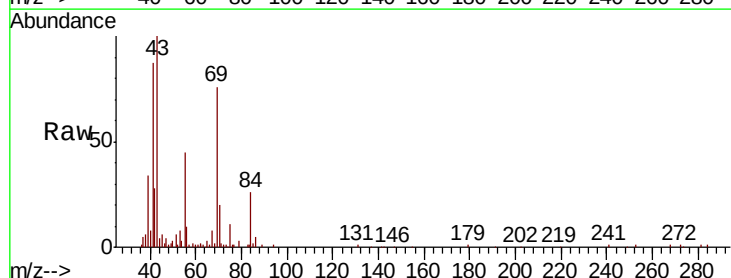
Instrument :
MSVOA_L
ClientSampleId :
0121-SS4

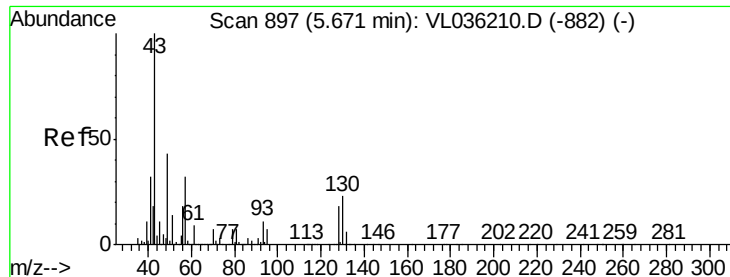
Tot Ion: 41 Resp: 291882
Ion Ratio Lower Upper
41 100
76 0.0 20.5 30.7#
39 112.3 67.8 101.8#



#23
Vinyl Acetate
Concen: 0.352 ppbv
RT: 5.07 min Scan# 711
Delta R.T. 0.00 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

Tgt Ion: 43 Resp: 82441
Ion Ratio Lower Upper
43 100
86 4.8 4.9 7.3#
42 28.0 7.8 11.6#
44 1.2 3.7 5.5#

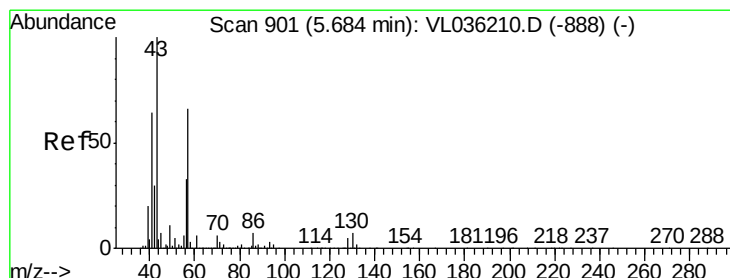
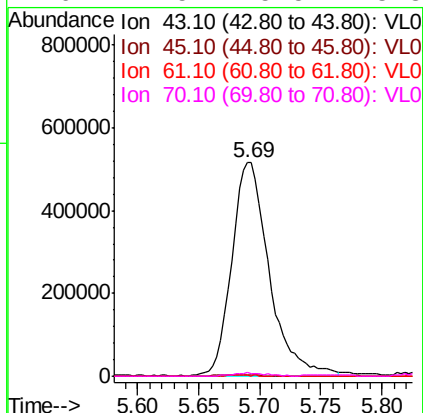
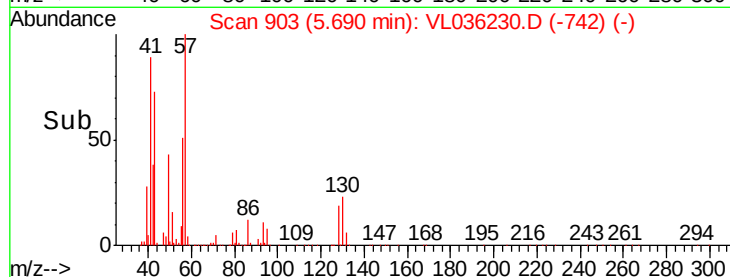
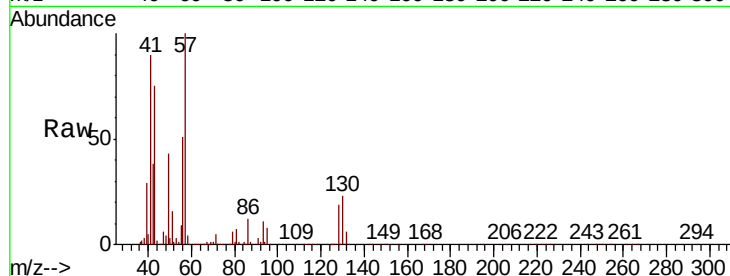




#25
Ethyl Acetate
Concen: 2.895 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

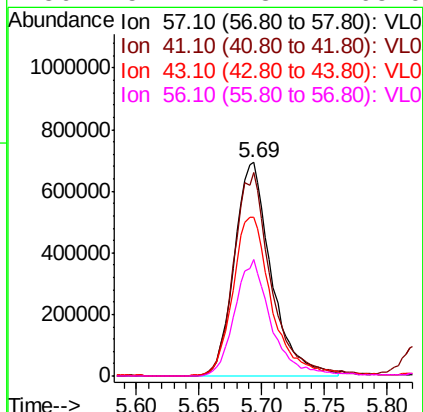
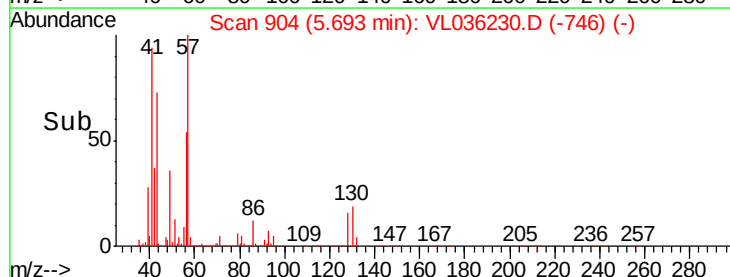
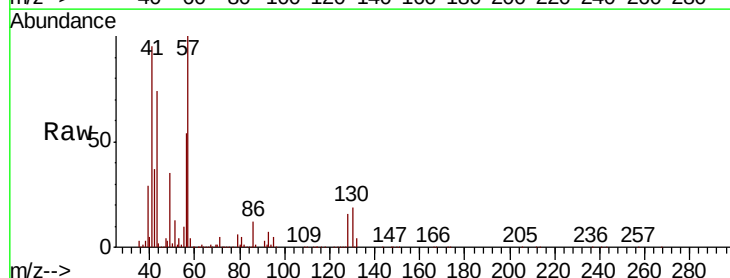
Instrument :
MSVOA_L
ClientSampleId :
0121-SS4

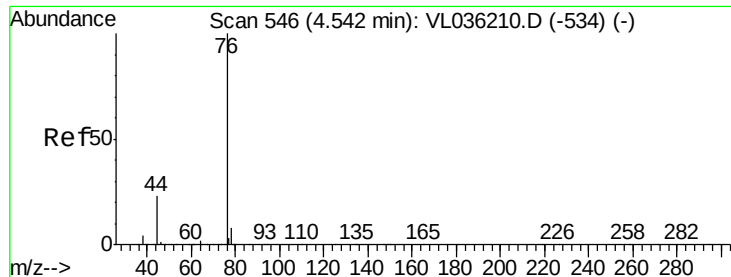
Tot Ion:	43	Resp:	1094814
Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.3	12.5#
61	0.5	7.4	11.2#
70	1.5	5.5	8.3#



#26
Hexane
Concen: 8.981 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

Tgt Ion:	57	Resp:	1420558
Ion	Ratio	Lower	Upper
57	100		
41	96.5	83.0	124.6
43	78.2	202.4	303.6#
56	54.2	43.4	65.0





#27

Carbon Disulfide

Concen: 1.683 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.01 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

Instrument :

MSVOA_L

ClientSampleId :

0121-SS4

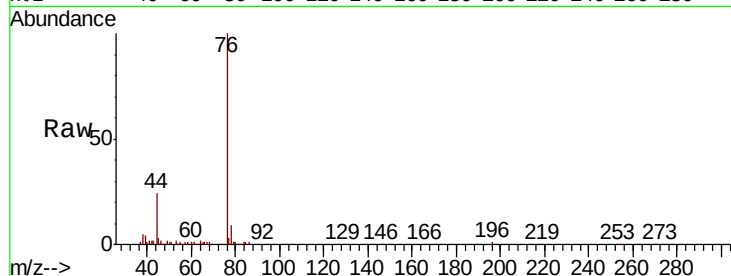
Tot Ion: 76 Resp: 213992

Ion Ratio Lower Upper

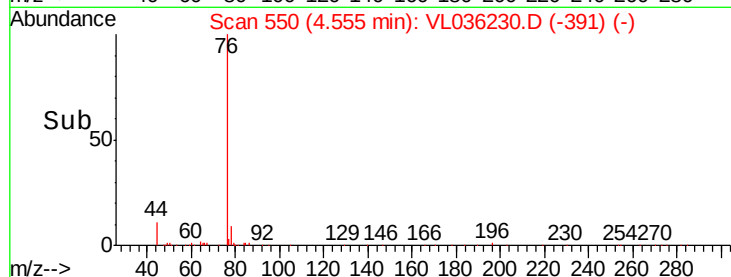
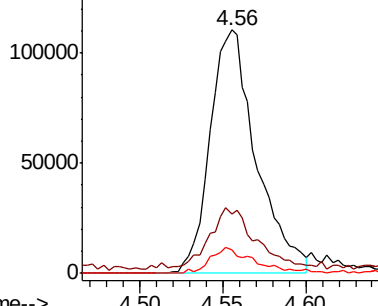
76 100

44 26.7 19.0 28.6

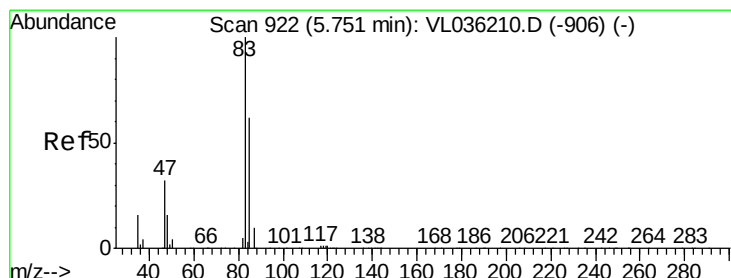
78 10.8 8.0 12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
150000
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



Time-->



#29

Chloroform

Concen: 2.738 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.01 min

Lab File: VL036230.D

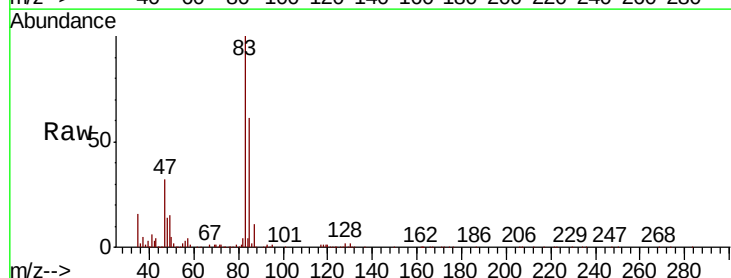
Acq: 13 Jan 2021 18:11

Tgt Ion: 83 Resp: 633765

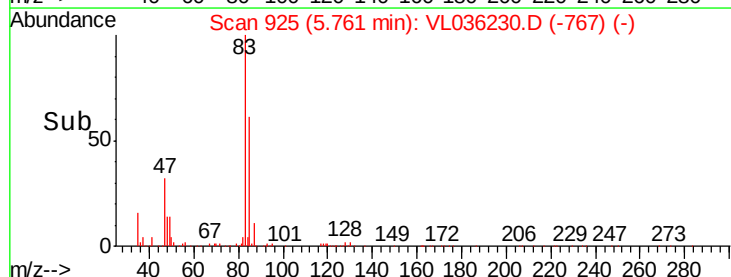
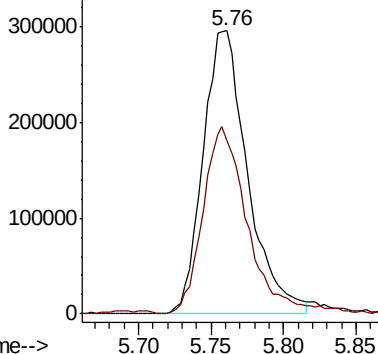
Ion Ratio Lower Upper

83 100

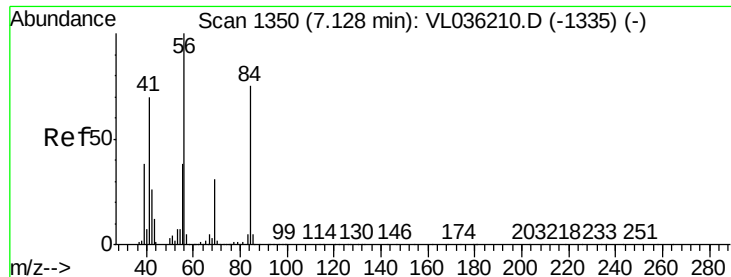
85 61.1 49.3 73.9



Abundance Ion 83.00 (82.70 to 83.70): VL0
300000
Ion 85.00 (84.70 to 85.70): VL0



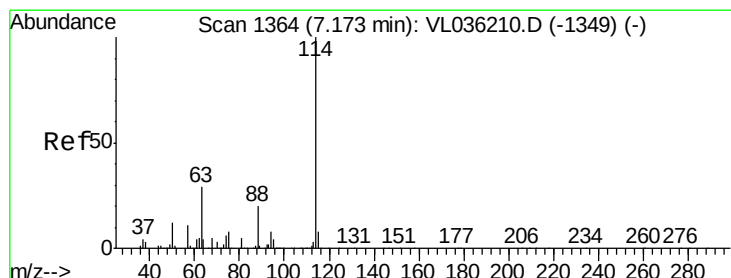
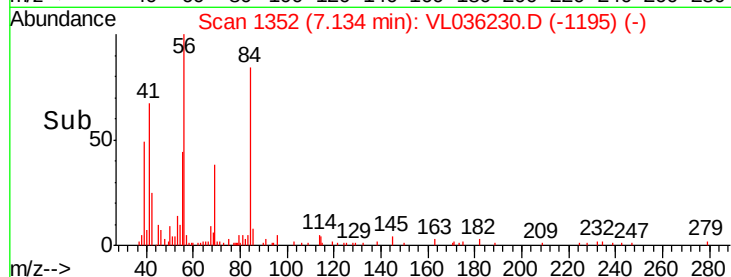
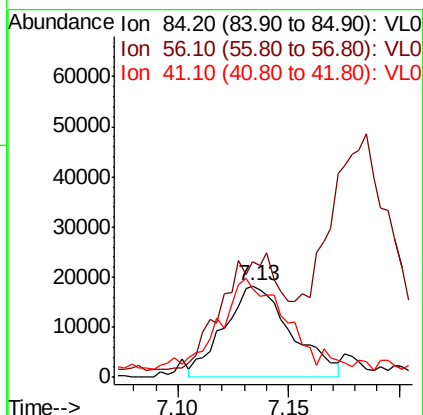
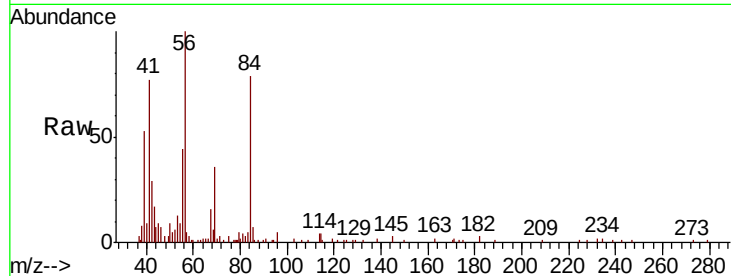
Time-->



#30
Cyclohexane
Concen: 0.313 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.01 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

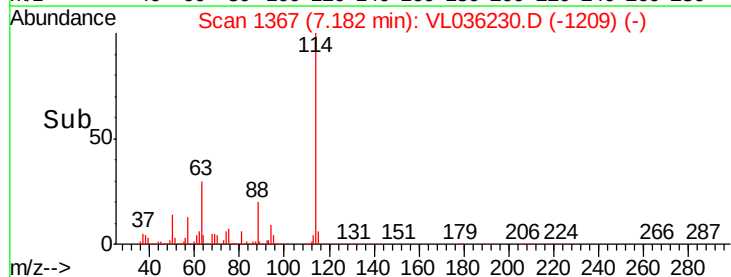
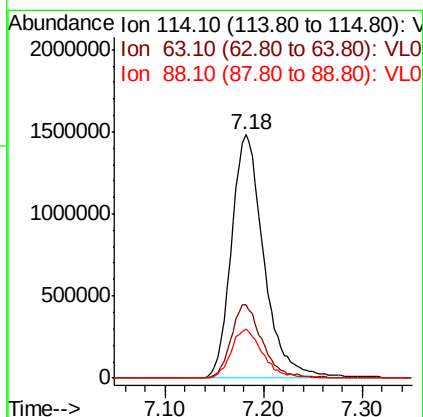
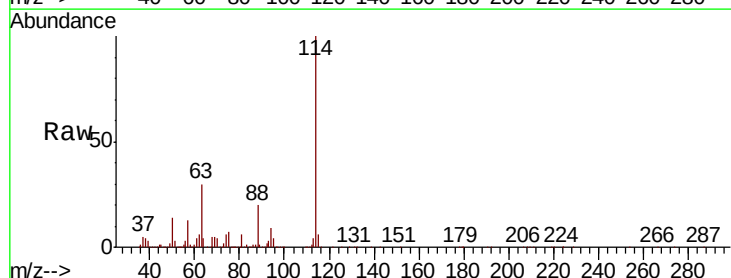
Instrument :
MSVOA_L
ClientSampleId :
0121-SS4

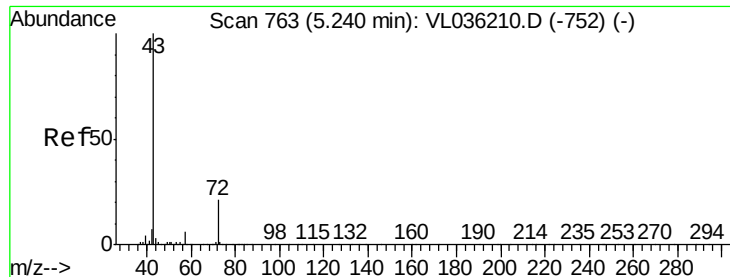
Tot Ion: 84 Resp: 38642
Ion Ratio Lower Upper
84 100
56 124.4 119.4 179.0
41 108.6 79.4 119.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

Tgt Ion: 114 Resp: 3387855
Ion Ratio Lower Upper
114 100
63 29.6 24.7 37.1
88 19.9 16.6 24.8

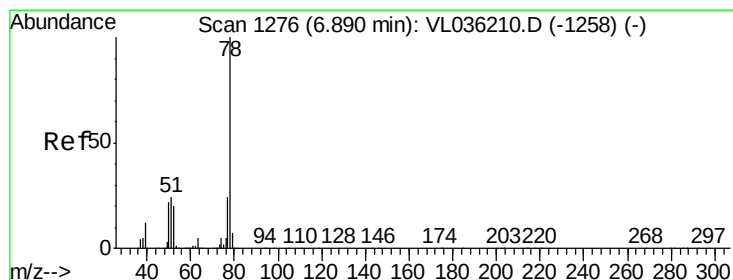
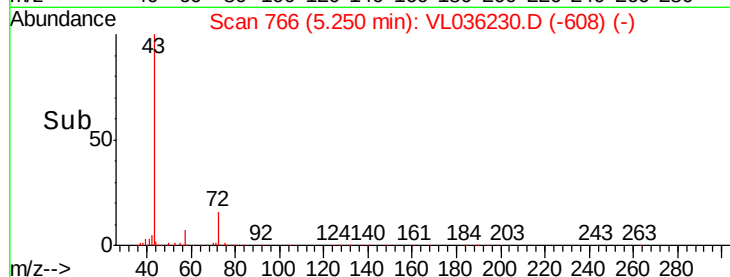
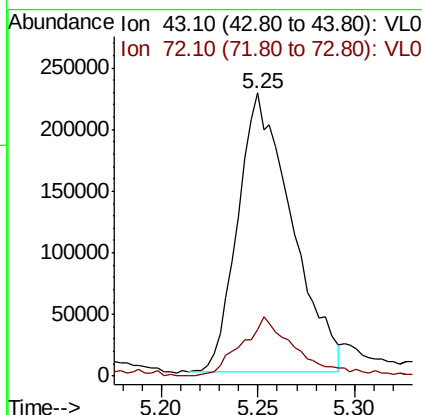
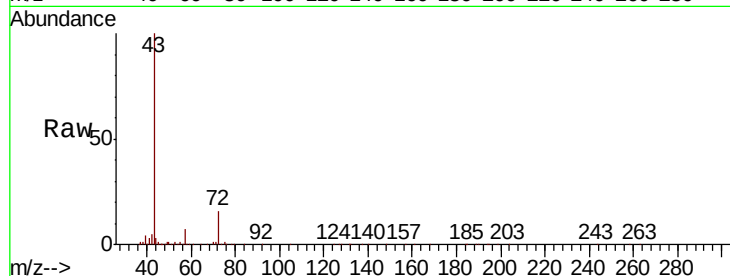




#34
2-Butanone
Concen: 2.024 ppbv
RT: 5.25 min Scan# 766
Delta R.T. 0.01 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

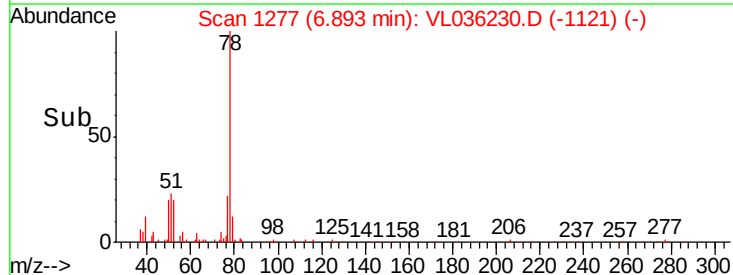
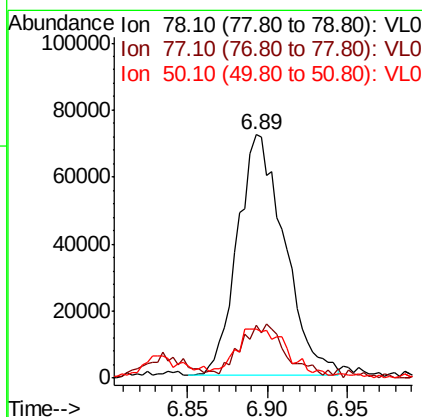
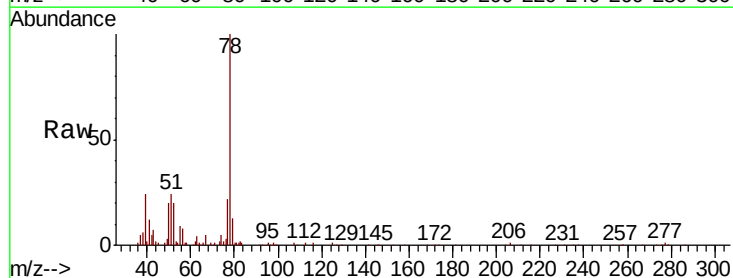
Instrument :
MSVOA_L
ClientSampleId :
0121-SS4

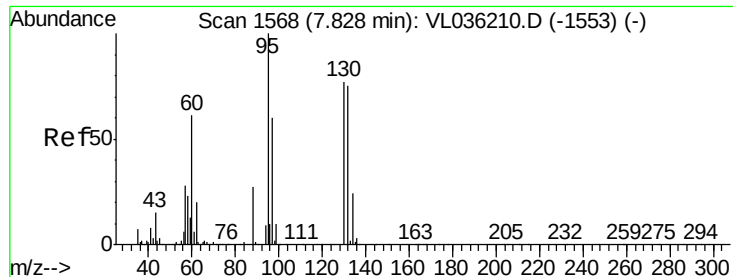
Tot Ion: 43 Resp: 437015
Ion Ratio Lower Upper
43 100
72 22.5 16.1 24.1



#36
Benzene
Concen: 0.467 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

Tgt Ion: 78 Resp: 144856
Ion Ratio Lower Upper
78 100
77 17.7 19.4 29.0#
50 18.8 17.4 26.2





#38

Trichloroethene

Concen: 0.522 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

Instrument :

MSVOA_L

ClientSampleId :

0121-SS4

Tot Ion:130 Resp: 60549

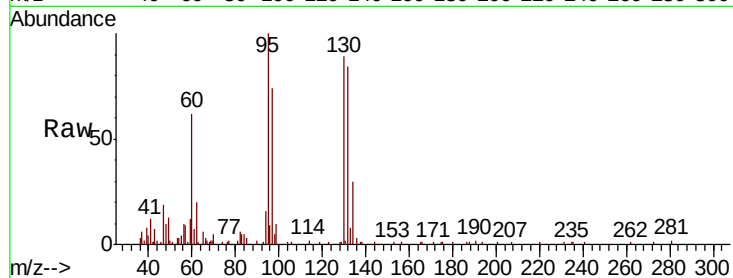
Ion Ratio Lower Upper

130 100

95 106.4 103.9 155.9

132 95.4 77.4 116.2

97 84.2 62.5 93.7

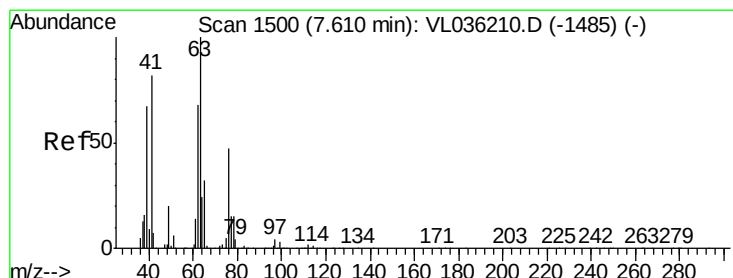
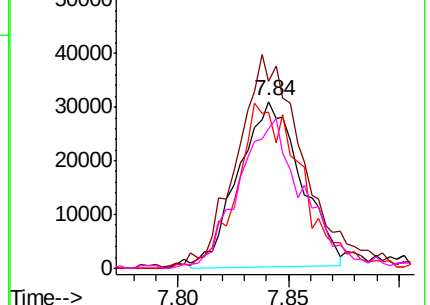
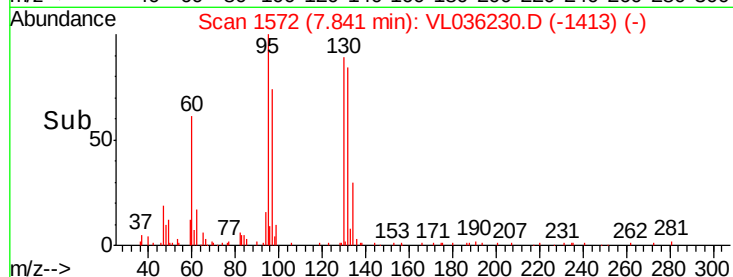


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.794 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.43 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

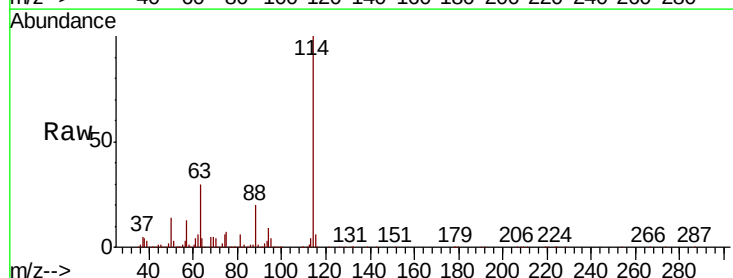
Tgt Ion: 63 Resp: 982321

Ion Ratio Lower Upper

63 100

41 0.0 66.1 99.1#

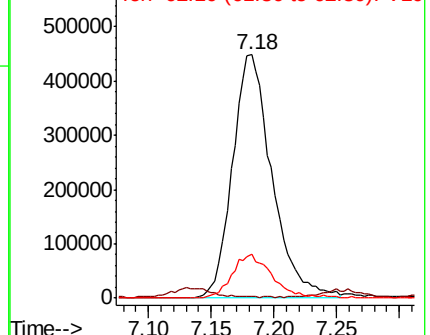
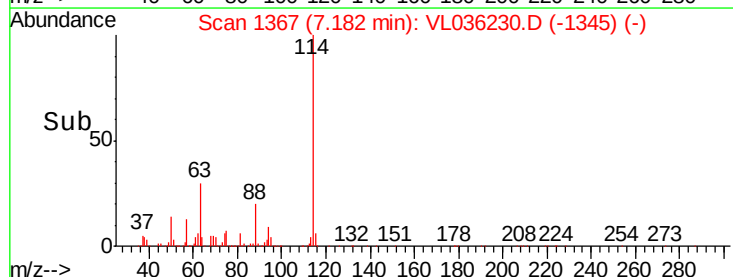
62 18.2 54.8 82.2#

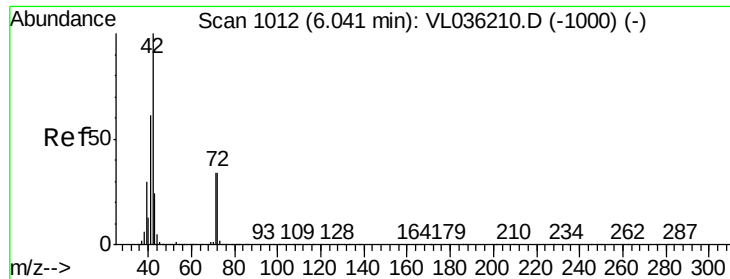


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

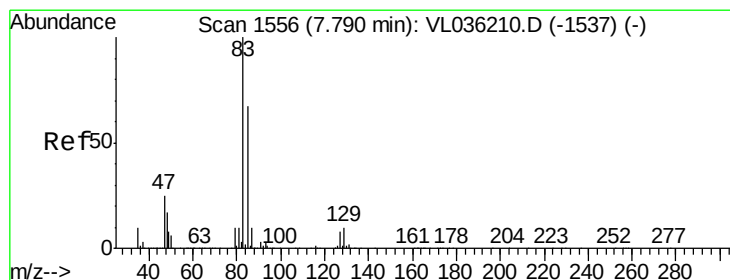
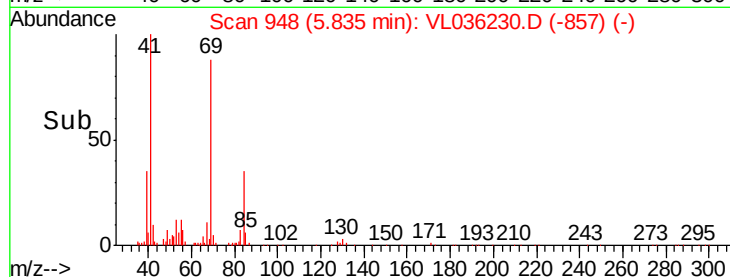
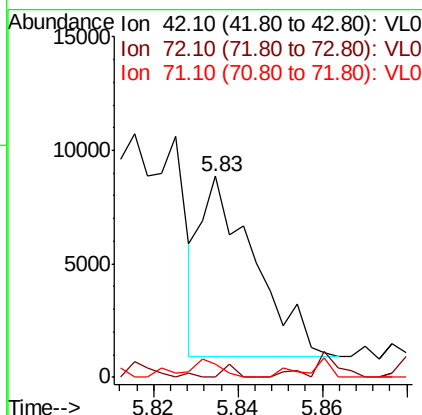
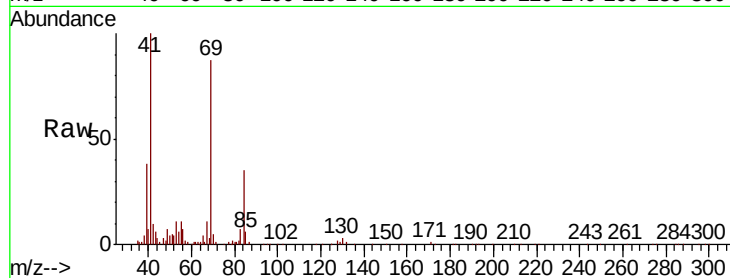




#41
Tetrahydrofuran
Concen: 0.055 ppbv
RT: 5.83 min Scan# 948
Delta R.T. -0.21 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

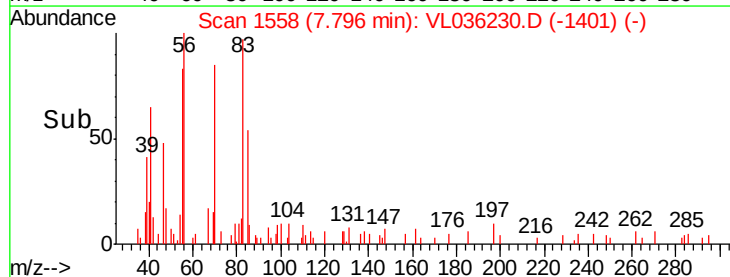
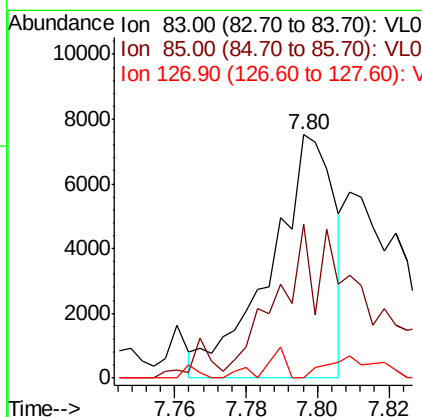
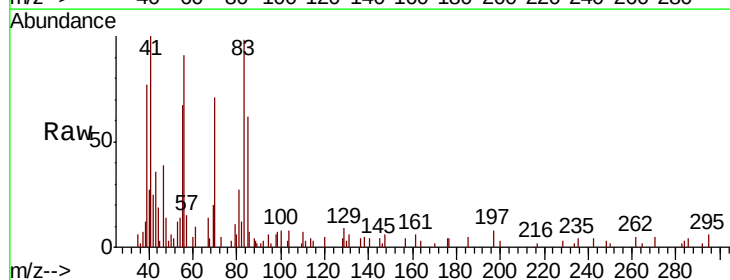
Instrument :
MSVOA_L
ClientSampleId :
0121-SS4

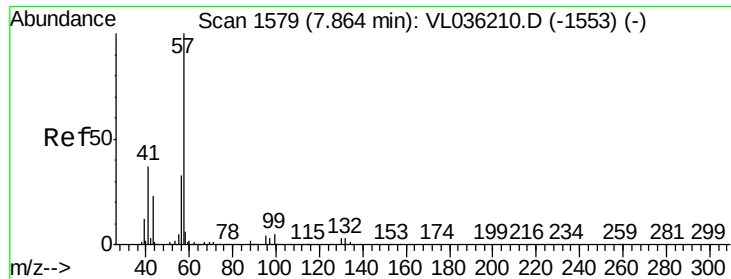
Tot Ion: 42 Resp: 7025
Ion Ratio Lower Upper
42 100
72 7.0 29.5 44.3#
71 0.0 29.1 43.7#



#42
Bromodichloromethane
Concen: 0.039 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.01 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

Tgt Ion: 83 Resp: 9243
Ion Ratio Lower Upper
83 100
85 68.4 53.4 80.2
127 0.0 6.2 9.2#

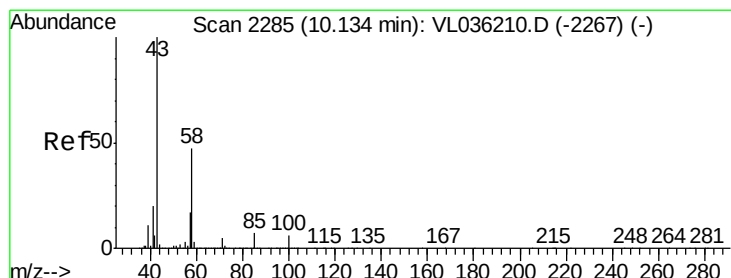
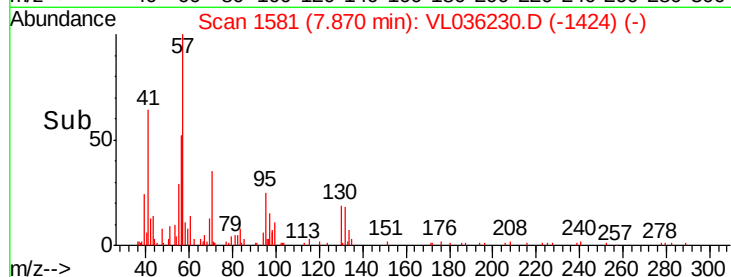
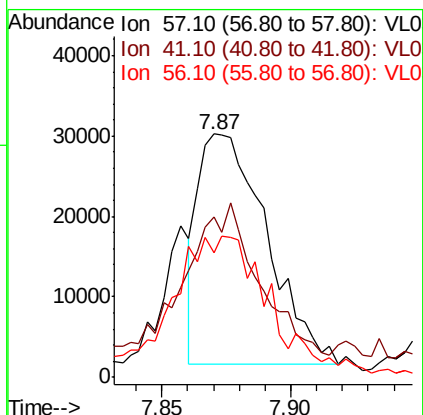
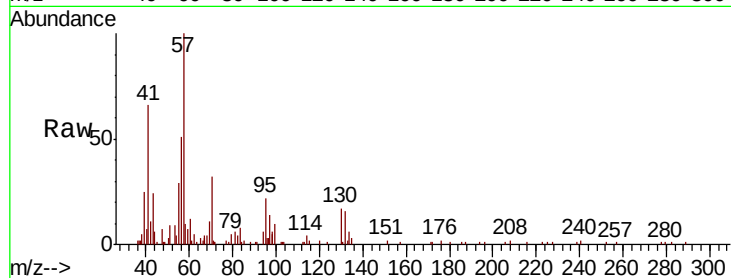




#44
2,2,4-Trimethylpentane
Concen: 0.092 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

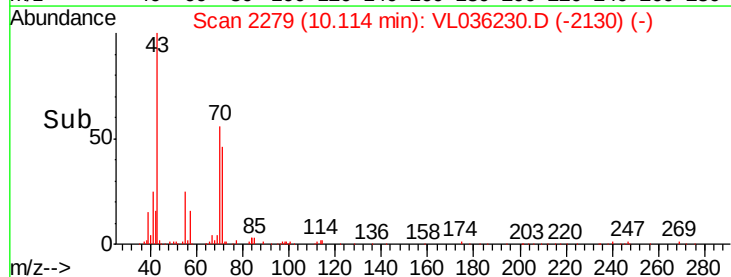
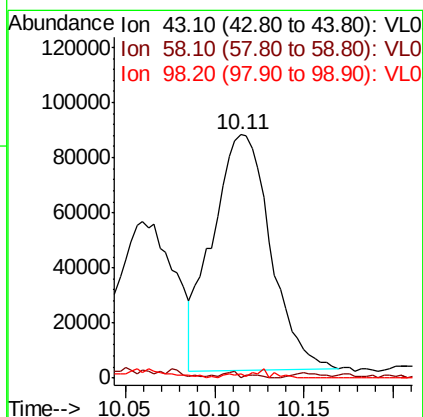
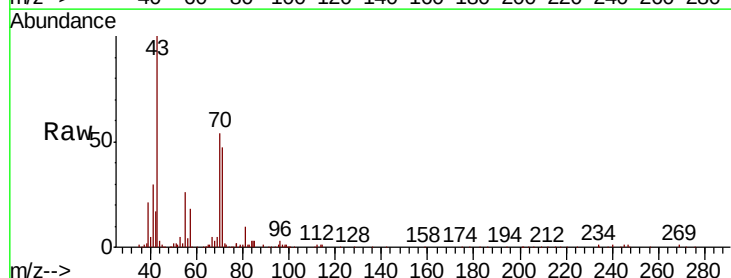
Instrument :
MSVOA_L
ClientSampleId :
0121-SS4

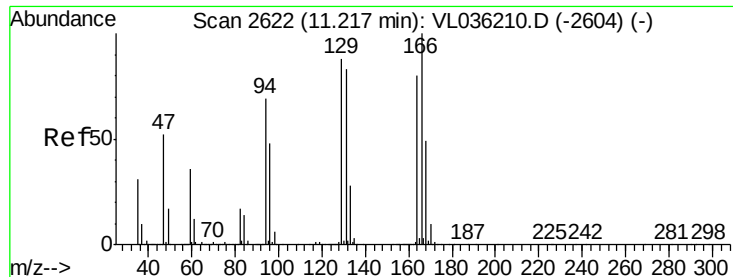
Tot Ion: 57 Resp: 52608
Ion Ratio Lower Upper
57 100
41 91.9 28.5 42.7#
56 88.4 25.5 38.3#



#51
2-Hexanone
Concen: 0.686 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.02 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

Tgt Ion: 43 Resp: 193503
Ion Ratio Lower Upper
43 100
58 1.0 37.4 56.0#
98 1.6 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.267 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. 0.01 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

Instrument :

MSVOA_L

ClientSampleId :

0121-SS4

Tot Ion:164 Resp: 30573

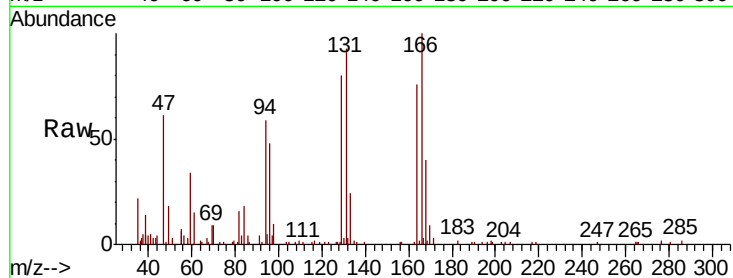
Ion Ratio Lower Upper

164 100

166 130.4 99.9 149.9

129 100.8 88.2 132.4

131 115.6 83.0 124.6

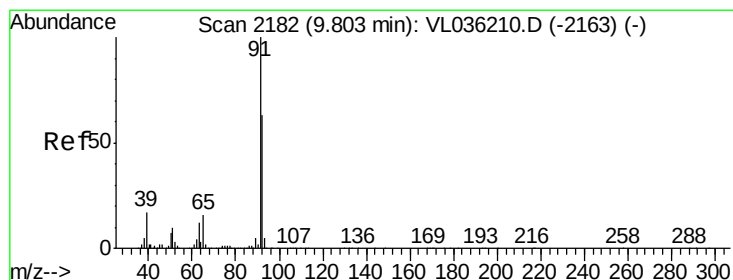
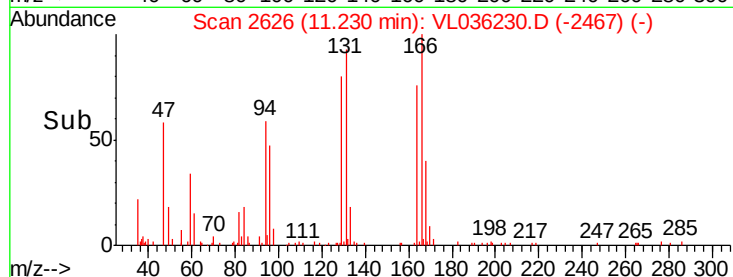
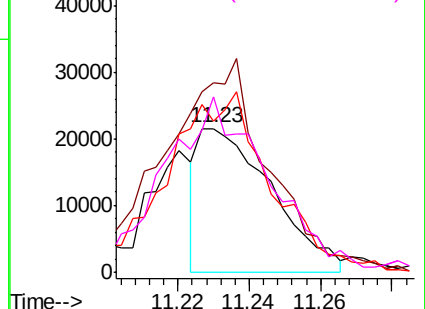


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.411 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.02 min

Lab File: VL036230.D

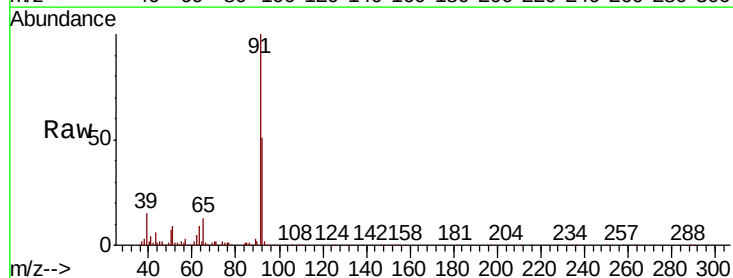
Acq: 13 Jan 2021 18:11

Tgt Ion: 91 Resp: 141202

Ion Ratio Lower Upper

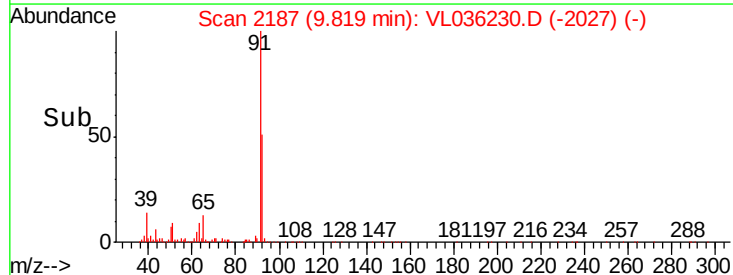
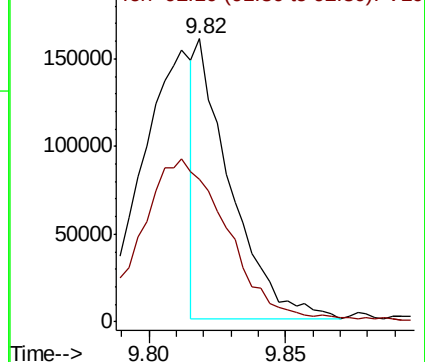
91 100

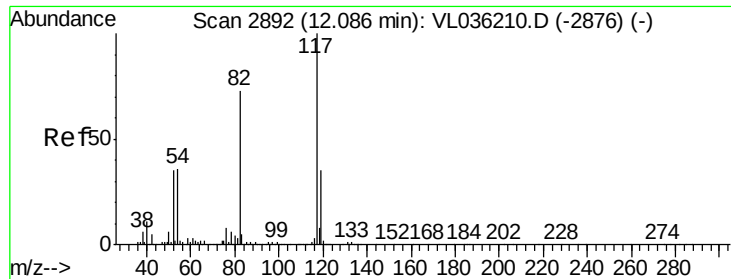
92 0.0 48.5 72.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2895

Delta R.T. 0.01 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

Instrument :

MSVOA_L

ClientSampleId :

0121-SS4

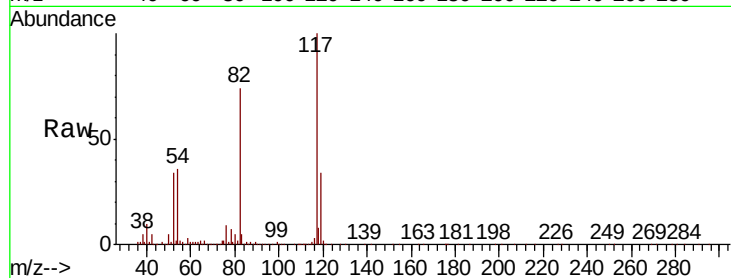
Tot Ion:117 Resp: 2960186

Ion Ratio Lower Upper

117 100

82 73.0 59.7 89.5

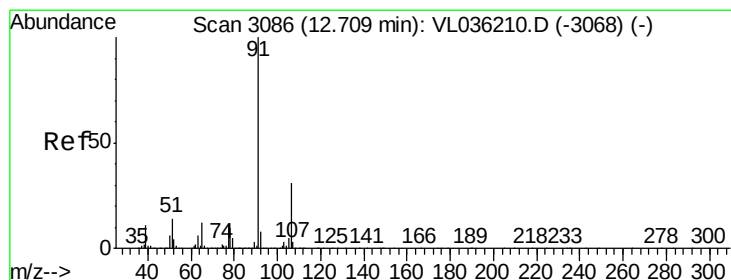
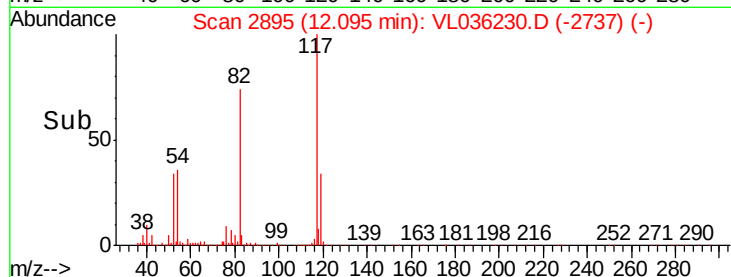
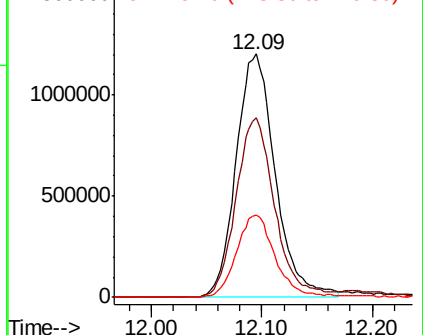
119 33.9 28.6 43.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.379 ppbv

RT: 12.97 min Scan# 3168

Delta R.T. 0.26 min

Lab File: VL036230.D

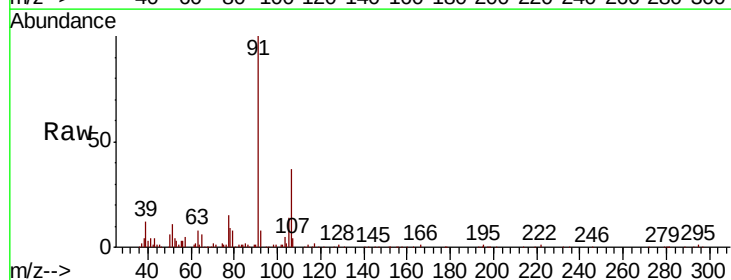
Acq: 13 Jan 2021 18:11

Tgt Ion: 91 Resp: 166460

Ion Ratio Lower Upper

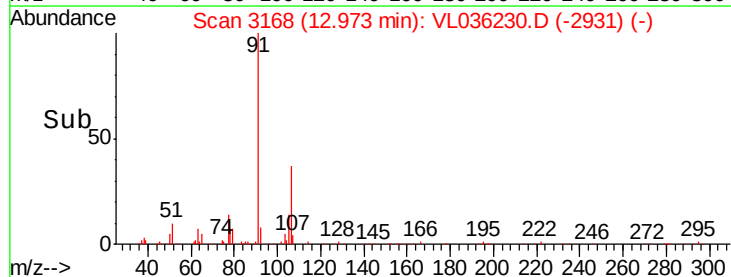
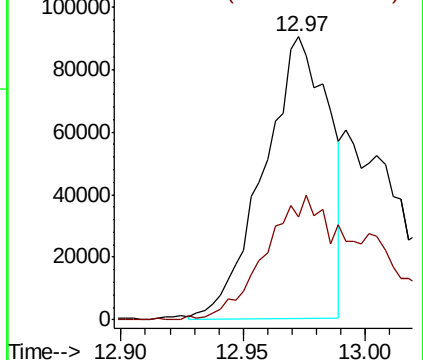
91 100

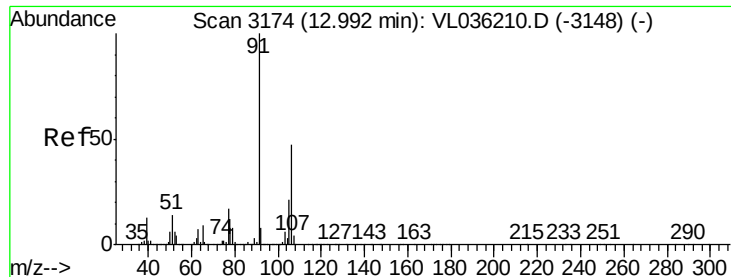
106 35.6 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

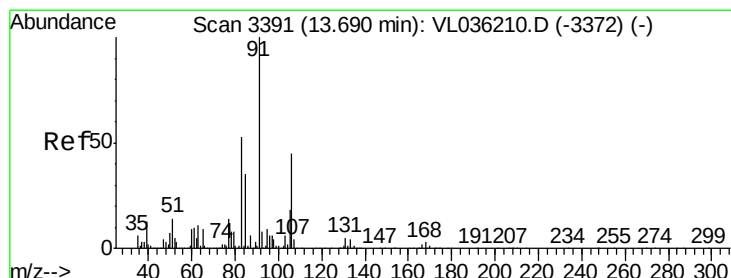
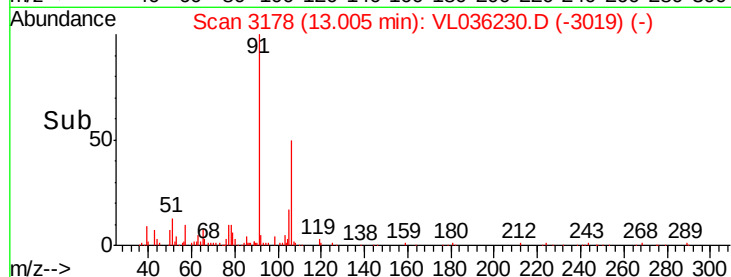
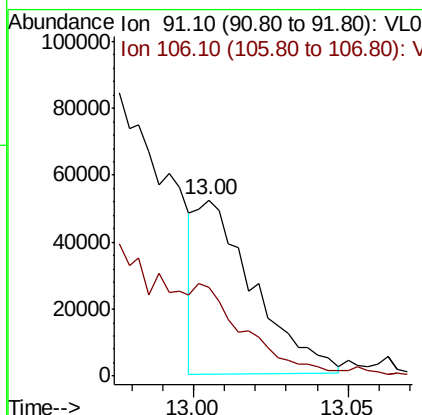
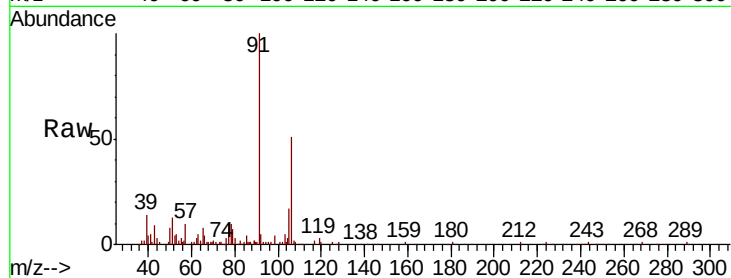




#59
m/p-Xylene
Concen: 0.177 ppbv
RT: 13.00 min Scan# 3178
Delta R.T. 0.01 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

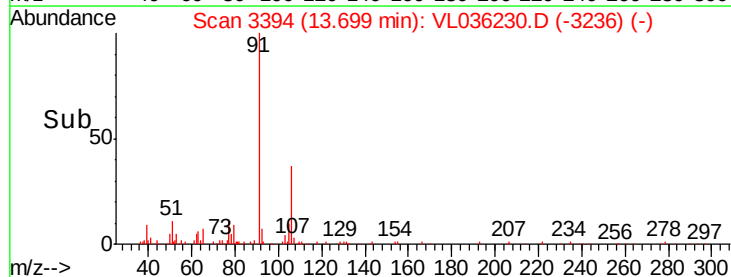
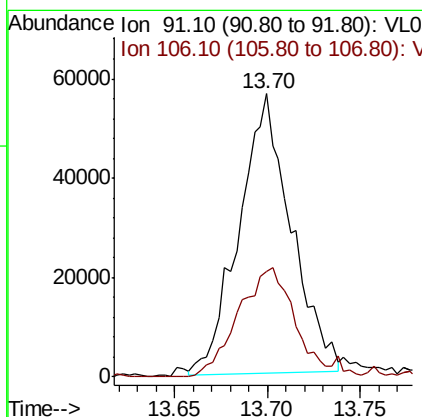
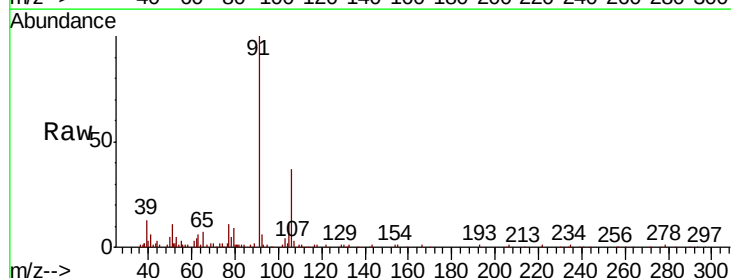
Instrument :
MSVOA_L
ClientSampleId :
0121-SS4

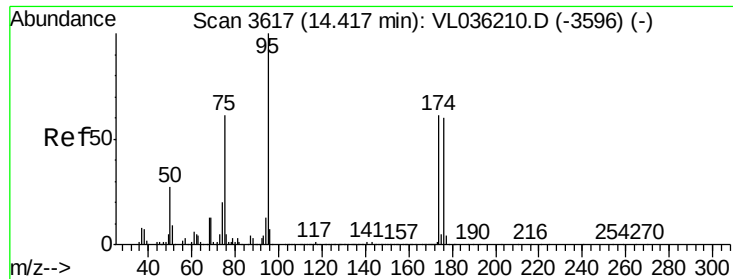
Tot Ion: 91 Resp: 66942
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#



#60
o-Xylene
Concen: 0.302 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.01 min
Lab File: VL036230.D
Acq: 13 Jan 2021 18:11

Tgt Ion: 91 Resp: 109720
Ion Ratio Lower Upper
91 100
106 44.7 21.9 65.8

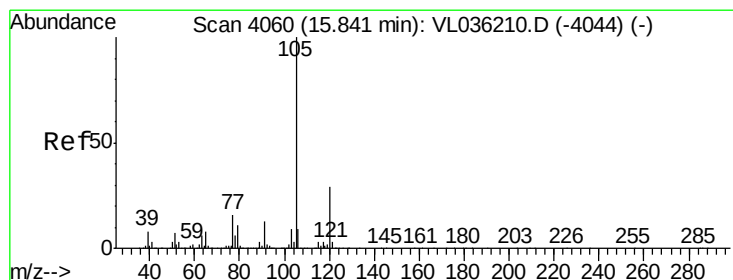
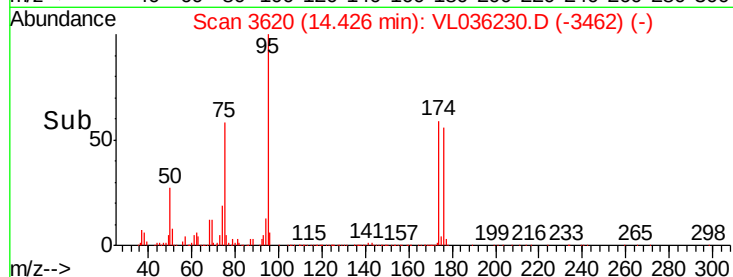
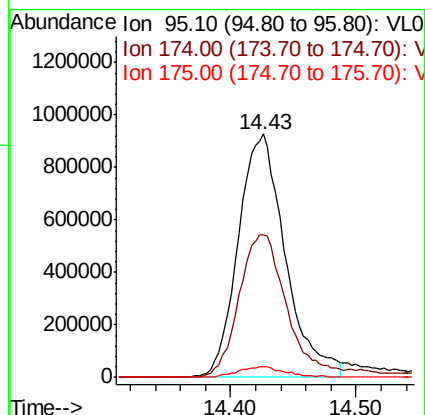
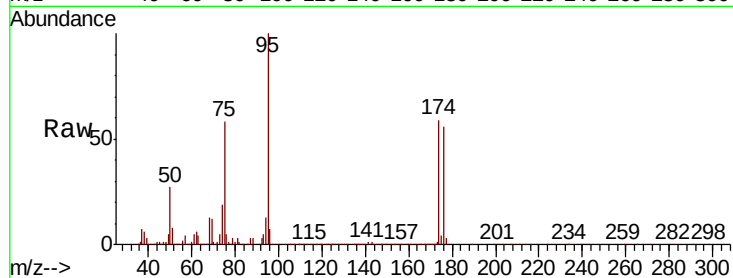




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.845 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.01 min
 Lab File: VL036230.D
 Acq: 13 Jan 2021 18:11

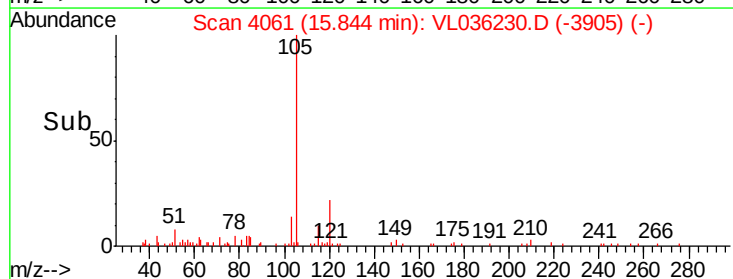
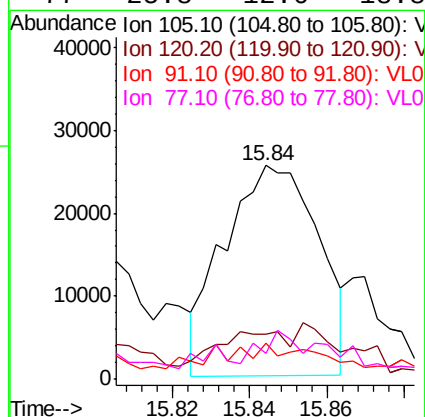
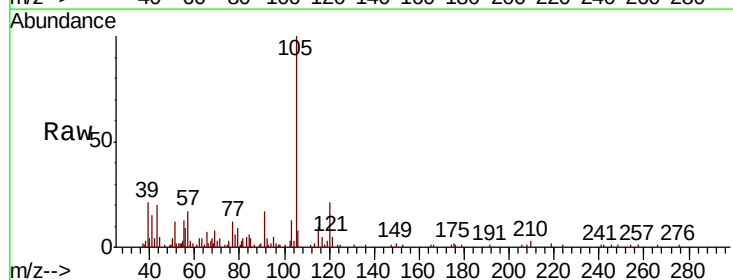
Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS4

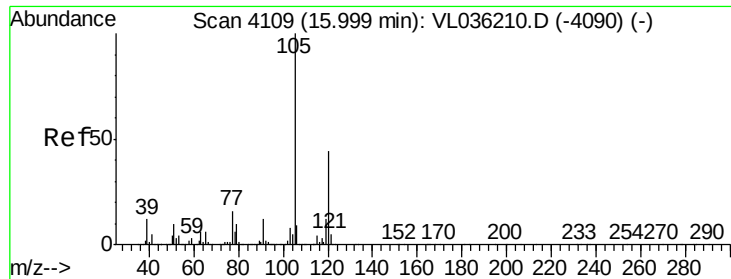
Tot Ion: 95 Resp: 2412155
 Ion Ratio Lower Upper
 95 100
 174 64.2 49.4 74.0
 175 4.8 3.8 5.8



#72
 4-Ethyltoluene
 Concen: 0.105 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. 0.00 min
 Lab File: VL036230.D
 Acq: 13 Jan 2021 18:11

Tgt Ion: 105 Resp: 43047
 Ion Ratio Lower Upper
 105 100
 120 33.2 23.7 35.5
 91 23.0 11.9 17.9#
 77 25.8 12.6 18.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.116 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. 0.01 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

Instrument :

MSVOA_L

ClientSampleId :

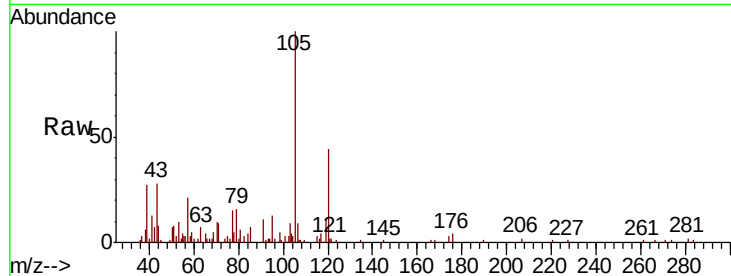
0121-SS4

Tot Ion:105 Resp: 45407

Ion Ratio Lower Upper

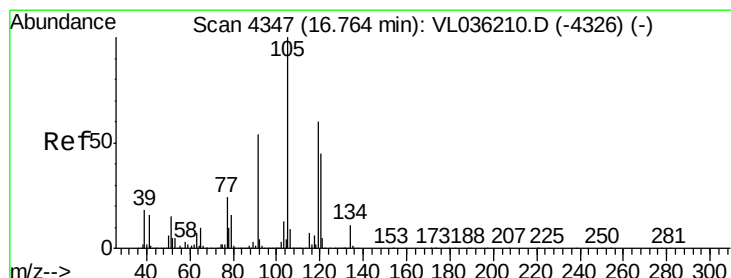
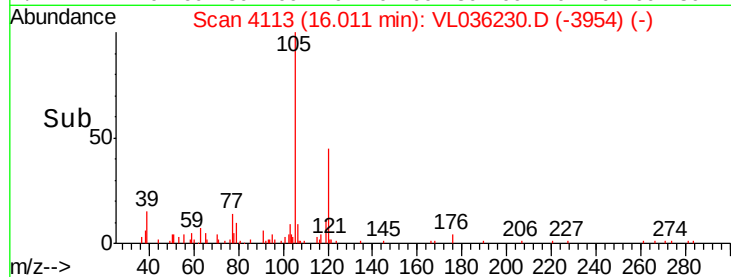
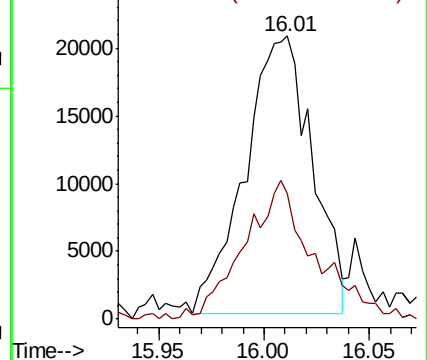
105 100

120 45.8 35.5 53.3



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: 0.372 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.01 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

Tgt Ion:105 Resp: 149191

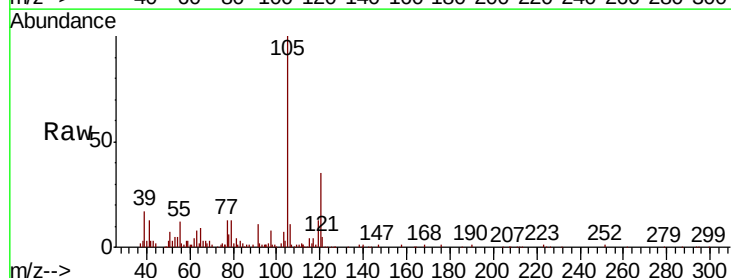
Ion Ratio Lower Upper

105 100

120 35.4 36.2 54.2#

91 10.3 43.3 64.9#

77 10.7 19.1 28.7#

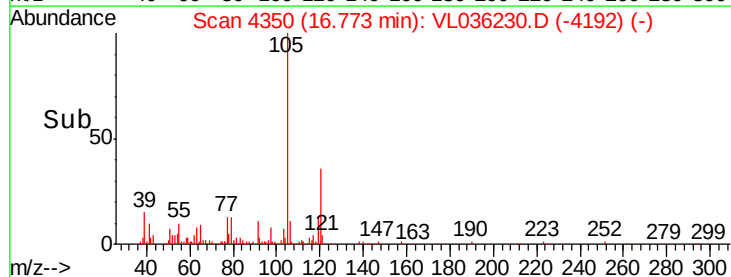
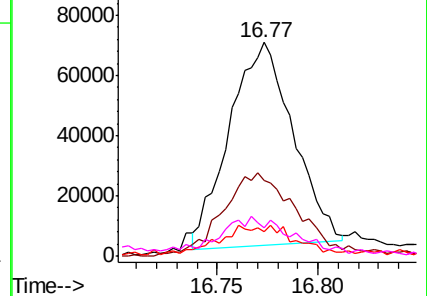


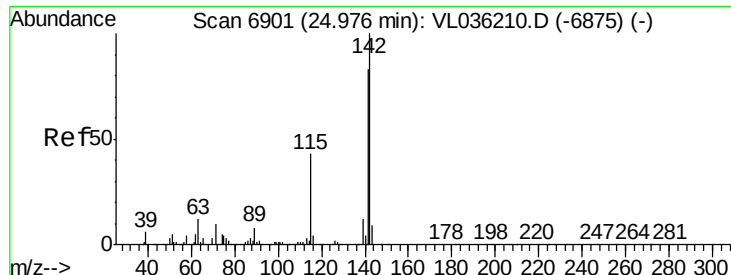
Abundance Ion 105.10 (104.80 to 105.80): V

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





#80

Naphthalene, 2-methyl-

Concen: 0.031 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. 0.03 min

Lab File: VL036230.D

Acq: 13 Jan 2021 18:11

Instrument :

MSVOA_L

ClientSampleId :

0121-SS4

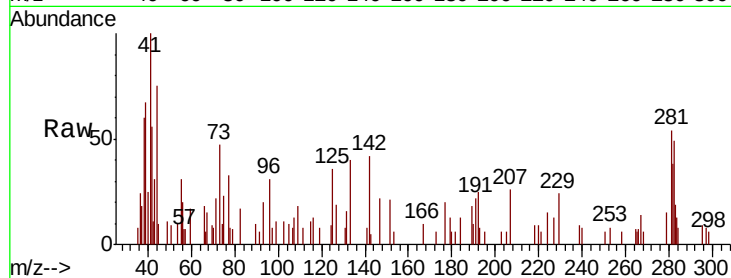
Tot Ion: 142 Resp: 1468

Ion Ratio Lower Upper

142 100

141 0.0 68.6 102.8#

115 46.5 32.9 49.3



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

