

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035361.D
 Acq On : 6 Aug 2020 22:29
 Operator : SY/AP
 Sample : L3554-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

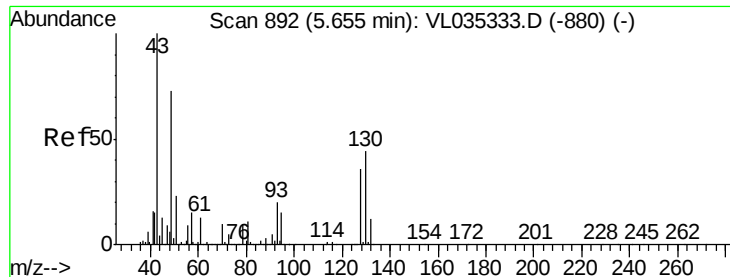
Quant Time: Aug 07 06:30:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1458164	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3626444	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	3557713	10.00	ppbv	0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	2870802	9.68	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.99	85	146900	0.757	ppbv	99
3) Chlorodifluoromethane	2.93	51	141131	0.848	ppbv #	90
4) Chloromethane	3.09	50	59962	0.636	ppbv	94
5) Vinyl Chloride	3.20	62	9024	0.093	ppbv #	71
9) Propene	2.95	41	1668771	28.135	ppbv	95
10) Heptane	8.12	43	359040	2.370	ppbv	88
11) Trichlorofluoromethane	3.90	101	5225975	20.797	ppbv	94
13) Ethanol	3.81	45	108600	5.309	ppbv #	49
15) Acetone	3.81	43	16769123	80.983	ppbv #	35
16) 1,3-Butadiene	3.30	39	502458	6.304	ppbv #	9
17) tert-Butyl alcohol	4.28	59	192584	1.013	ppbv #	71
19) Isopropyl Alcohol	3.97	45	1321171	10.066	ppbv #	93
20) Methylene Chloride	4.31	84	356241	4.219	ppbv	97
21) Allyl Chloride	4.32	41	126632	1.067	ppbv #	65
23) Vinyl Acetate	5.07	43	443778	2.235	ppbv #	48
25) Ethyl Acetate	5.66	43	487169	1.548	ppbv #	81
26) Hexane	5.66	57	649949	4.762	ppbv #	39
27) Carbon Disulfide	4.51	76	358491	1.878	ppbv	95
28) Methyl tert-Butyl Ether	5.01	73	10153	0.051	ppbv #	53
29) Chloroform	5.74	83	539833	2.294	ppbv	93
30) Cyclohexane	7.12	84	143555	1.387	ppbv #	1
34) 2-Butanone	5.23	43	8573689	48.015	ppbv	96
35) Carbon Tetrachloride	7.02	117	9126	0.037	ppbv #	74
36) Benzene	6.88	78	1237011	5.052	ppbv	95
37) 1,2-Dichloroethane	6.30	62	20499	0.120	ppbv #	83
39) 1,2-Dichloropropane	7.18	63	950537	9.588	ppbv #	23
41) Tetrahydrofuran	6.08	42	3183	0.036	ppbv #	1
42) Bromodichloromethane	7.80	83	9214	0.040	ppbv #	38
44) 2,2,4-Trimethylpentane	7.86	57	264692	0.608	ppbv #	64
51) 2-Hexanone	10.15	43	40807	0.191	ppbv #	77
52) Tetrachloroethene	11.24	164	9169	0.094	ppbv #	60
53) Toluene	9.82	91	890780	3.344	ppbv	98
57) Chlorobenzene	12.21	112	18201	0.068	ppbv #	38
71) 2-Chlorotoluene	15.36	91	878984	2.330	ppbv #	48

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL035361.D

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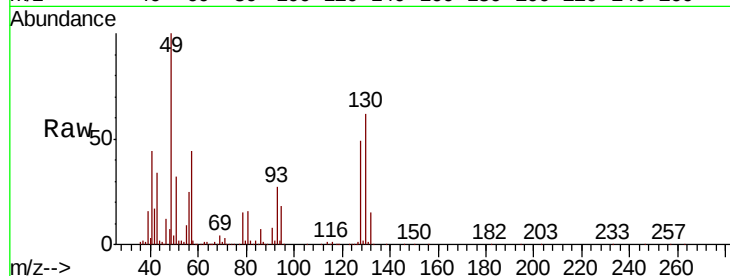
Tot Ion: 49 Resp: 1458164

Ion Ratio Lower Upper

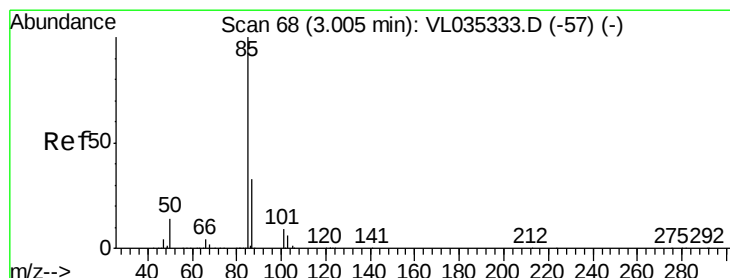
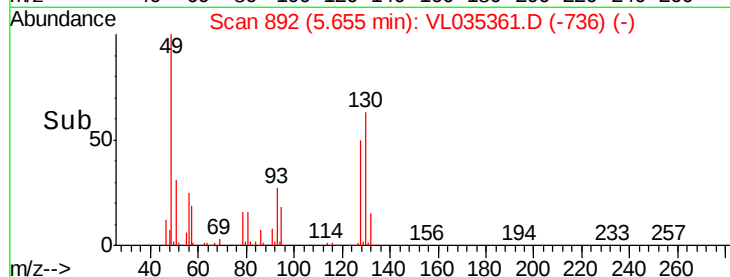
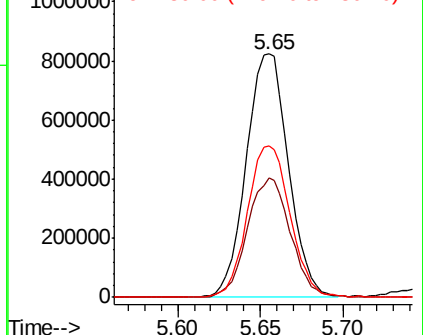
49 100

128 50.0 25.4 76.0

130 63.2 32.1 96.3



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: 0.757 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL035361.D

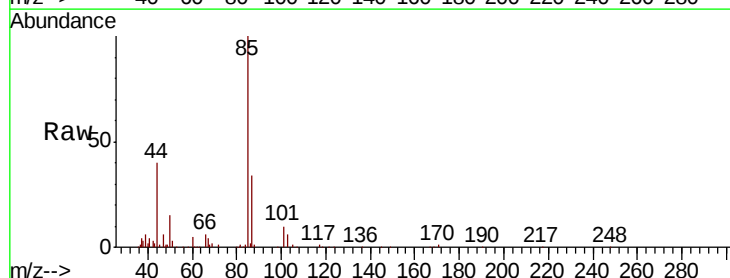
Acq: 6 Aug 2020 22:29

Tgt Ion: 85 Resp: 146900

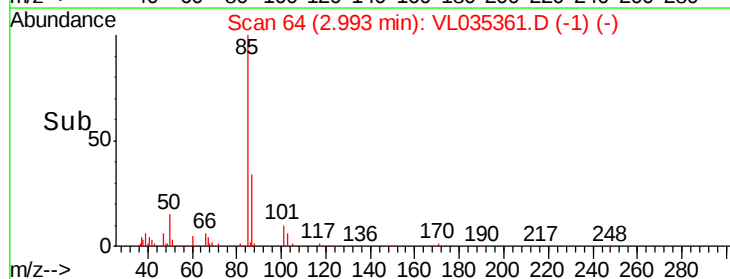
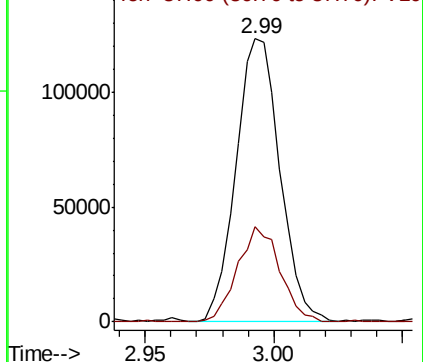
Ion Ratio Lower Upper

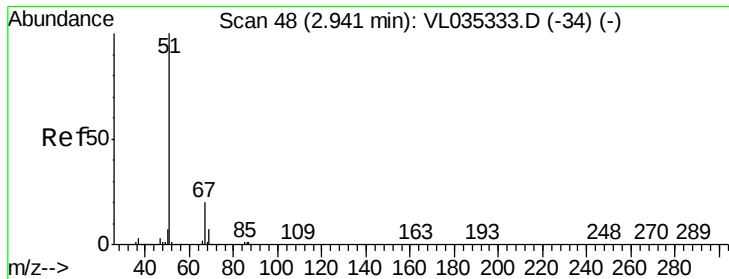
85 100

87 33.8 26.7 40.1



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





#3

Chlorodifluoromethane

Concen: 0.848 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.01 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA_L

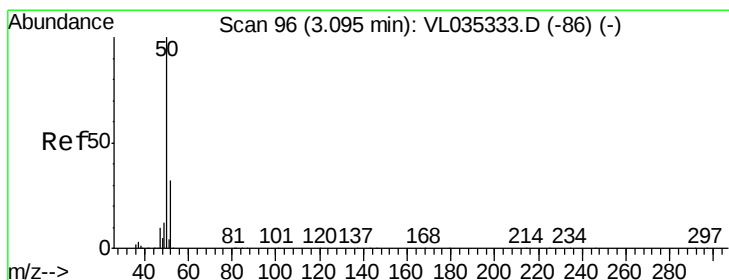
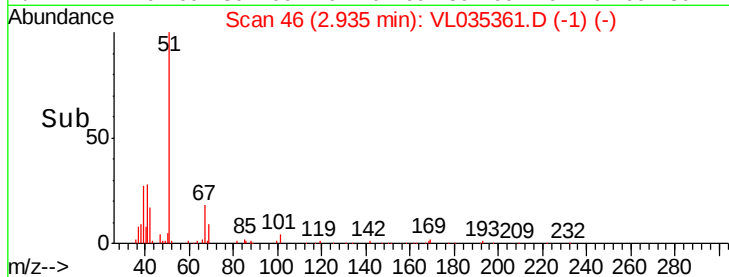
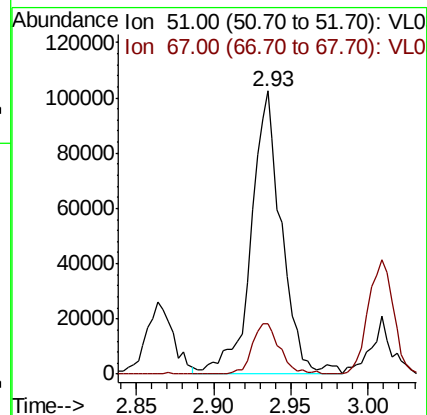
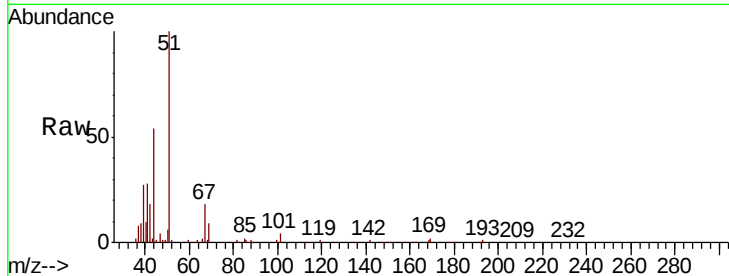
ClientSampleId :

Tot Ion: 51 Resp: 141131

Ion Ratio Lower Upper

51 100

67 16.2 16.6 25.0#



#4

Chloromethane

Concen: 0.636 ppbv

RT: 3.09 min Scan# 93

Delta R.T. -0.01 min

Lab File: VL035361.D

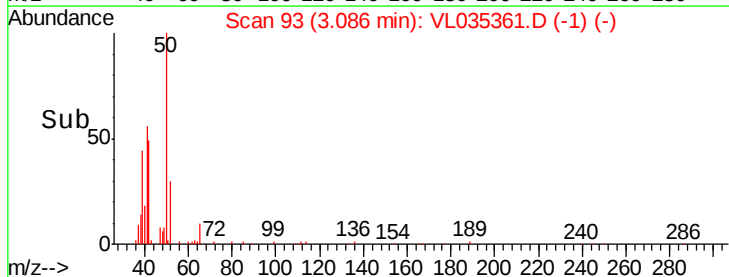
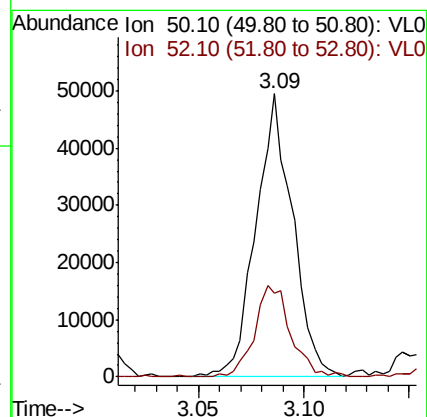
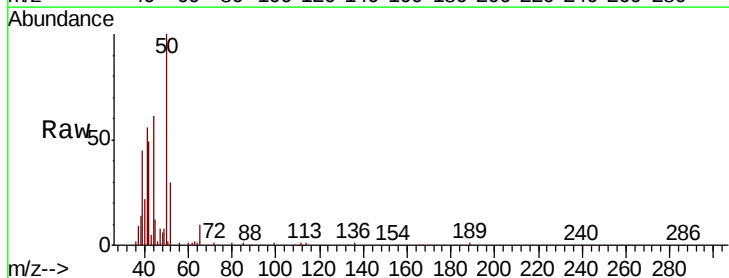
Acq: 6 Aug 2020 22:29

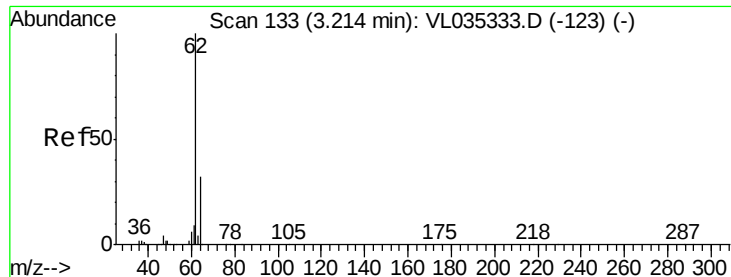
Tgt Ion: 50 Resp: 59962

Ion Ratio Lower Upper

50 100

52 29.1 26.0 39.0





#5

Vinyl Chloride

Concen: 0.093 ppbv

RT: 3.20 min Scan# 129

Delta R.T. -0.01 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA_L

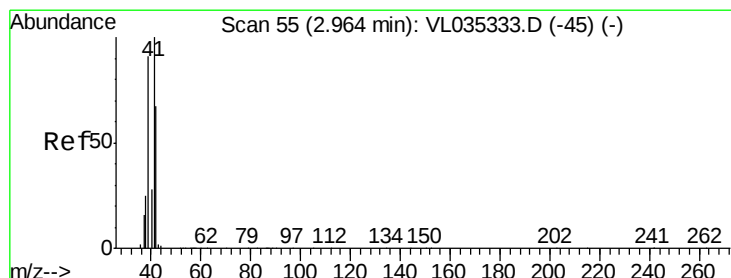
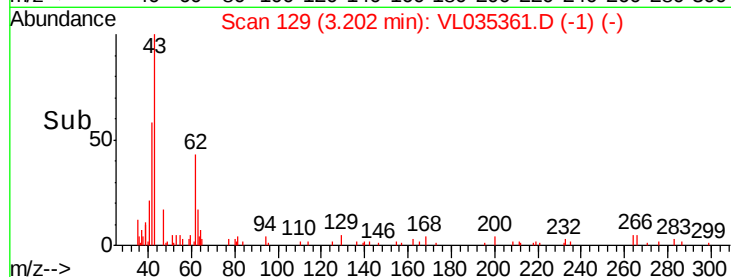
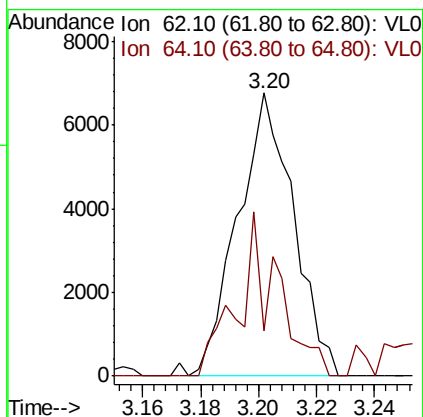
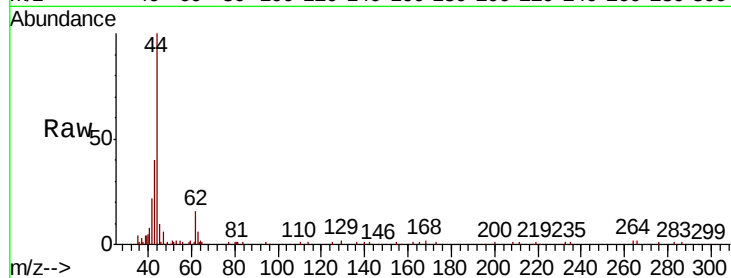
ClientSampleId :

Tot Ion: 62 Resp: 9024

Ion Ratio Lower Upper

62 100

64 16.0 25.8 38.6#



#9

Propene

Concen: 28.135 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.01 min

Lab File: VL035361.D

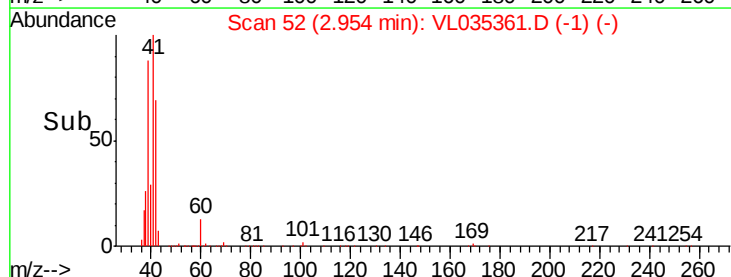
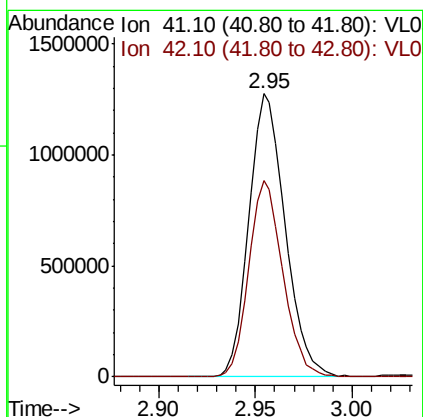
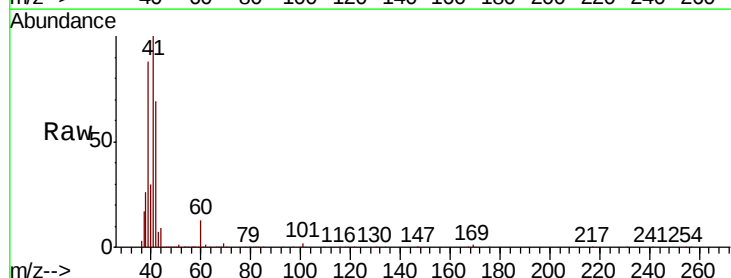
Acq: 6 Aug 2020 22:29

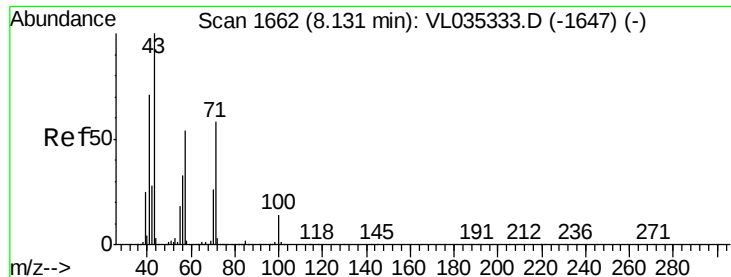
Tgt Ion: 41 Resp: 1668771

Ion Ratio Lower Upper

41 100

42 65.3 55.3 82.9

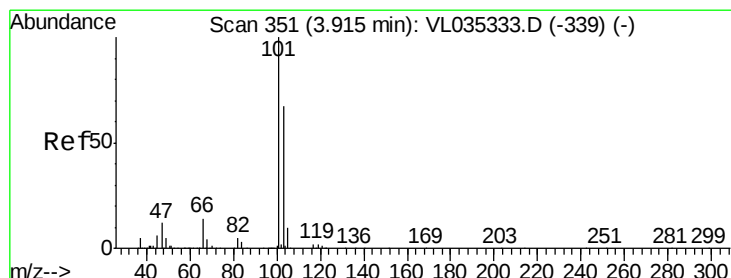
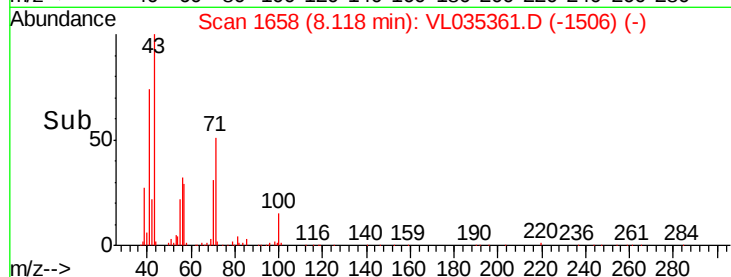
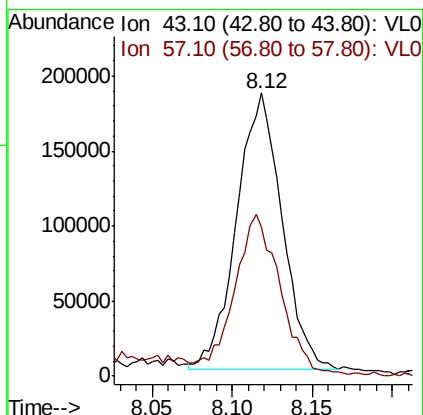
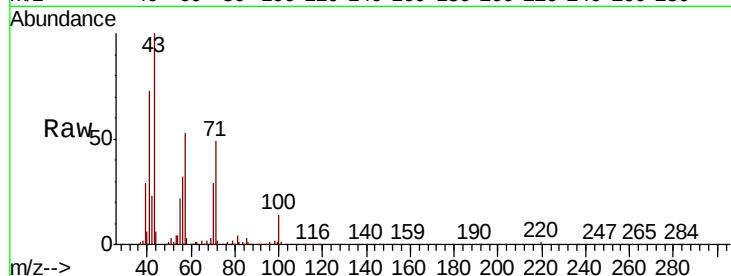




#10
 Heptane
 Concen: 2.370 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. -0.01 min
 Lab File: VL035361.D
 Acq: 6 Aug 2020 22:29

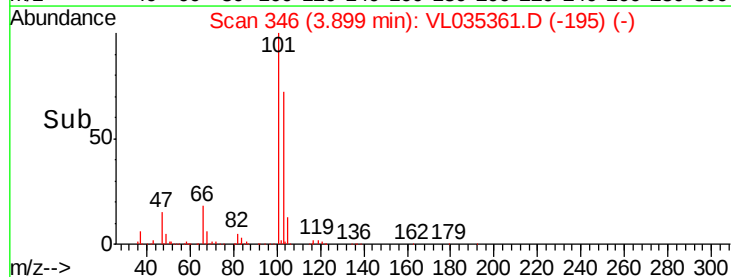
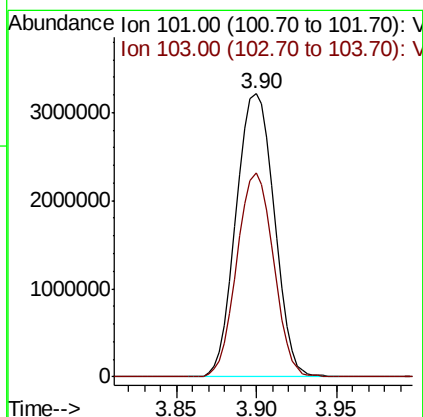
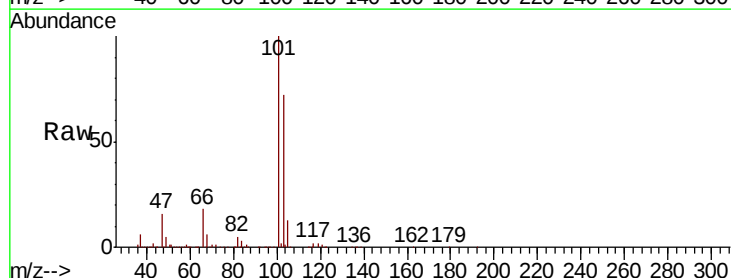
Instrument :
 MSVOA_L
 ClientSampled :

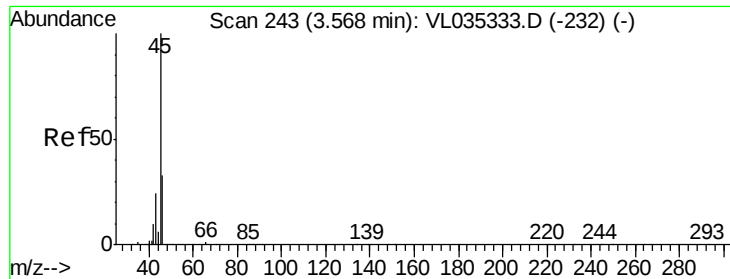
Tot Ion: 43 Resp: 359040
 Ion Ratio Lower Upper
 43 100
 57 62.2 43.0 64.6



#11
 Trichlorofluoromethane
 Concen: 20.797 ppbv
 RT: 3.90 min Scan# 346
 Delta R.T. -0.02 min
 Lab File: VL035361.D
 Acq: 6 Aug 2020 22:29

Tgt Ion:101 Resp: 5225975
 Ion Ratio Lower Upper
 101 100
 103 72.0 53.8 80.8

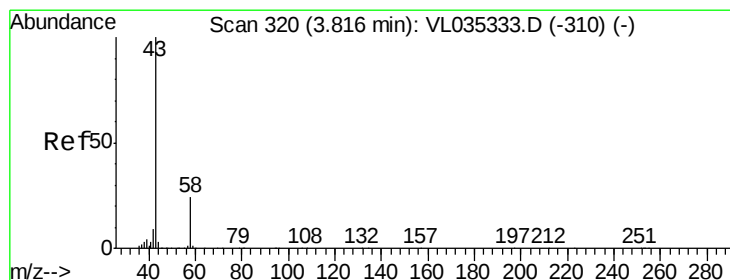
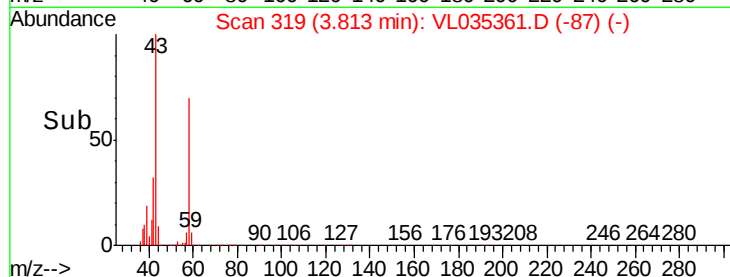
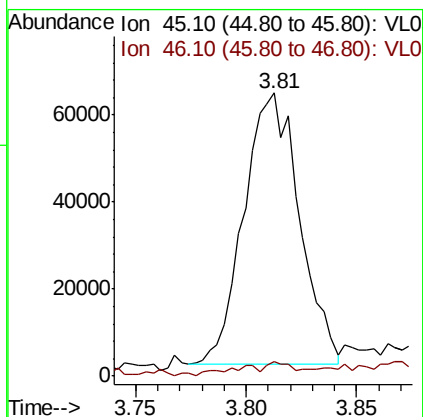
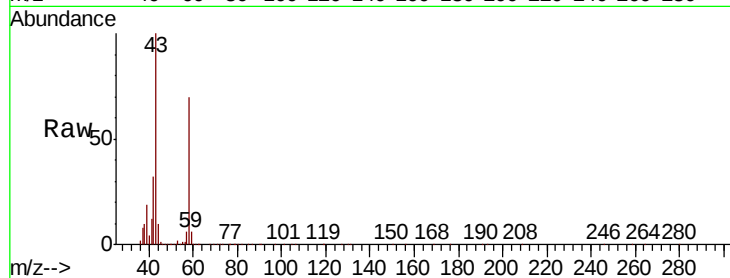




#13
Ethanol
Concen: 5.309 ppbv
RT: 3.81 min Scan# 319
Delta R.T. 0.24 min
Lab File: VL035361.D
Acq: 6 Aug 2020 22:29

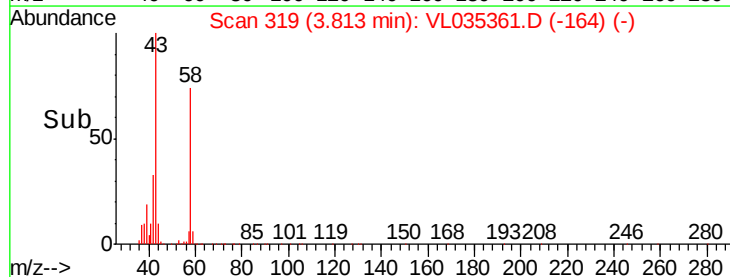
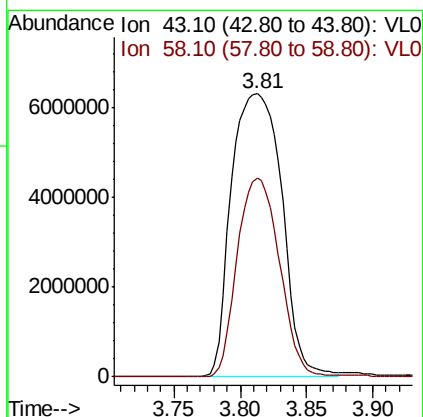
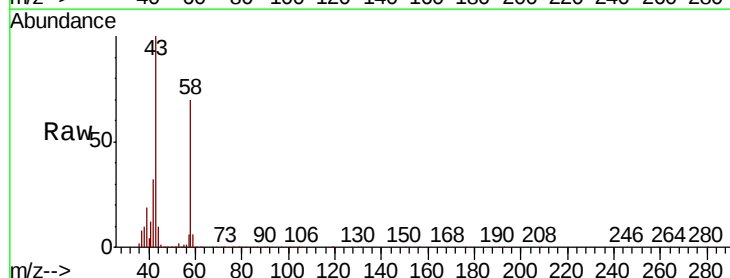
Instrument :
MSVOA_L
ClientSampleId :

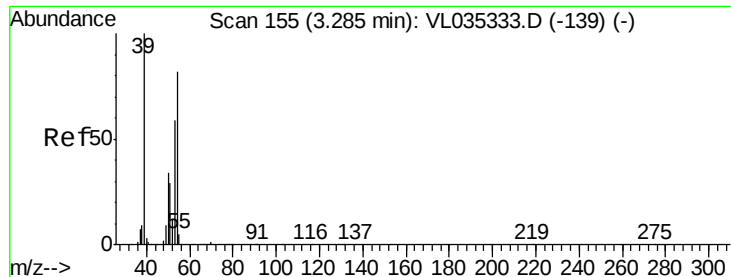
Tot Ion: 45 Resp: 108600
Ion Ratio Lower Upper
45 100
46 7.0 15.2 61.0#



#15
Acetone
Concen: 80.983 ppbv
RT: 3.81 min Scan# 319
Delta R.T. -0.00 min
Lab File: VL035361.D
Acq: 6 Aug 2020 22:29

Tgt Ion: 43 Resp: 16769123
Ion Ratio Lower Upper
43 100
58 59.2 21.0 31.4#

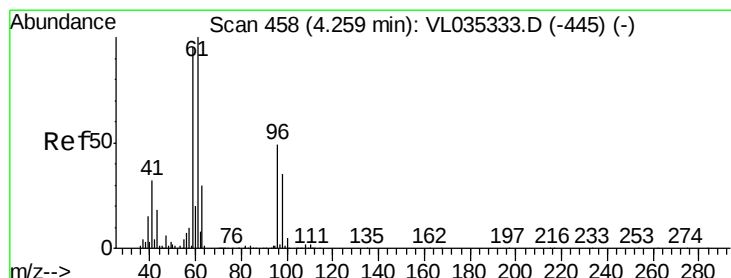
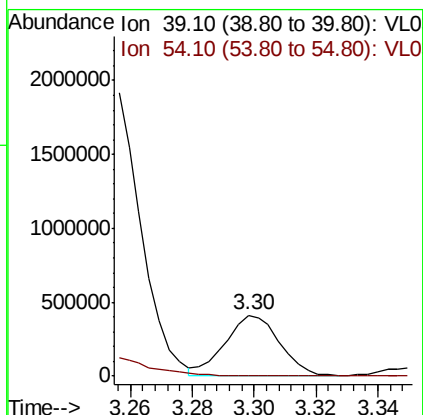
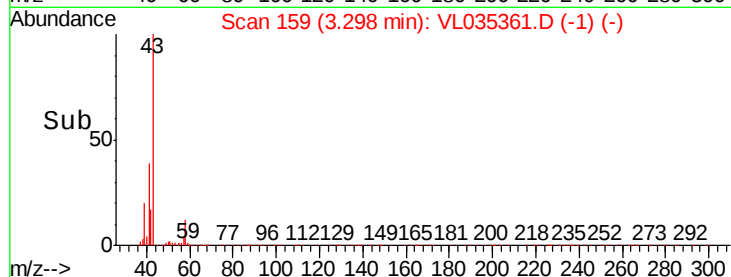
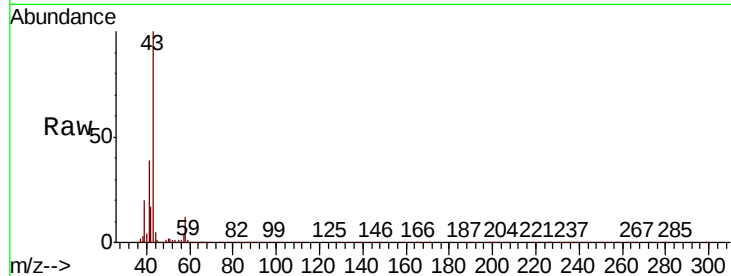




#16
1,3-Butadiene
Concen: 6.304 ppbv
RT: 3.30 min Scan# 159
Delta R.T. 0.01 min
Lab File: VL035361.D
Acq: 6 Aug 2020 22:29

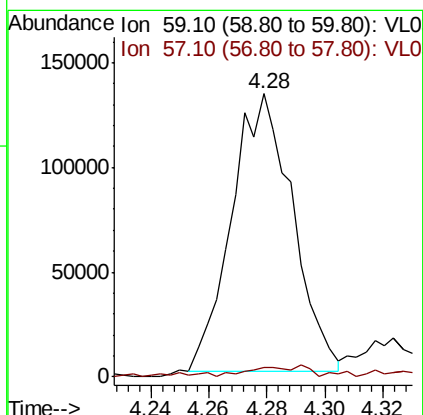
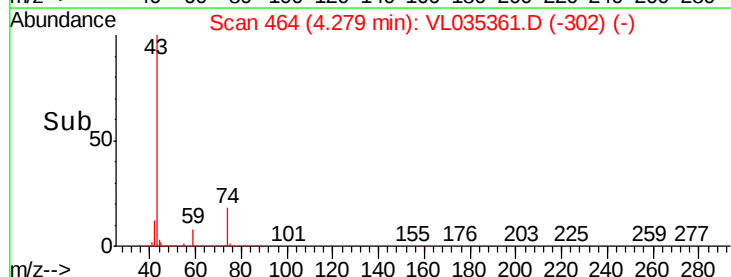
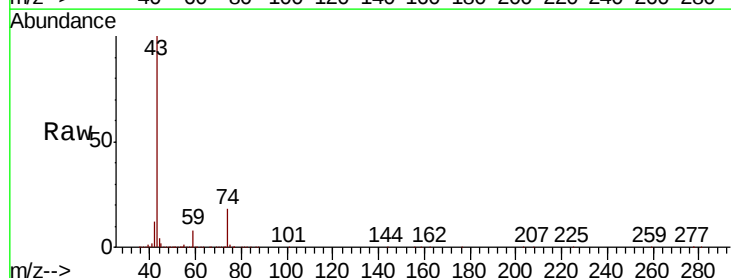
Instrument :
MSVOA_L
ClientSampleId :

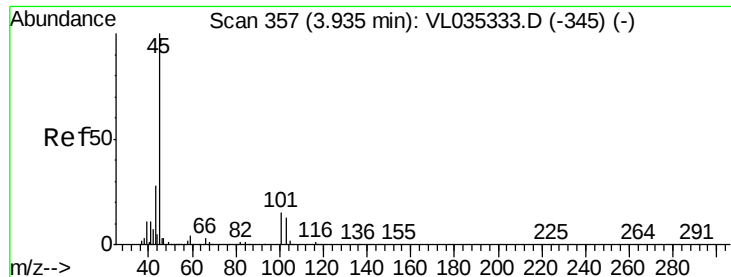
Tot Ion: 39 Resp: 502458
Ion Ratio Lower Upper
39 100
54 0.0 64.4 96.6#



#17
tert-Butyl alcohol
Concen: 1.013 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.02 min
Lab File: VL035361.D
Acq: 6 Aug 2020 22:29

Tgt Ion: 59 Resp: 192584
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

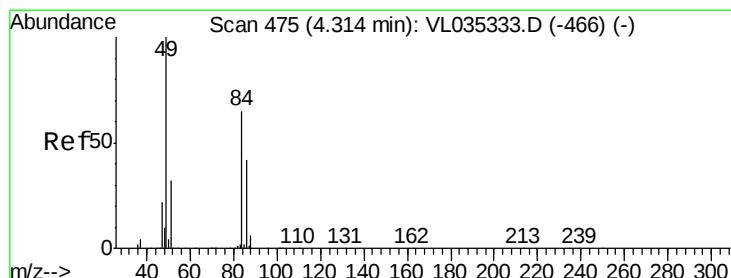
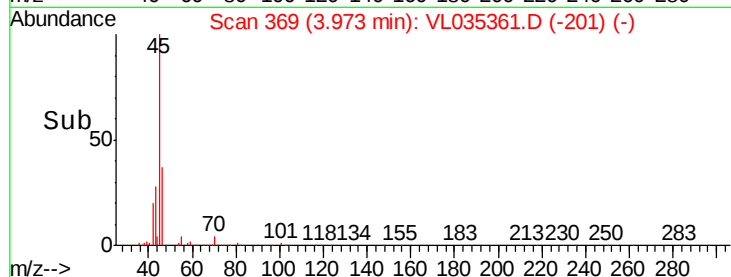
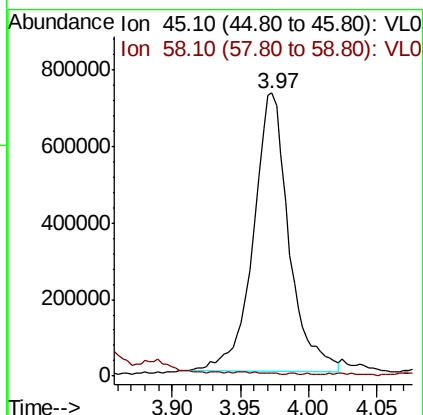
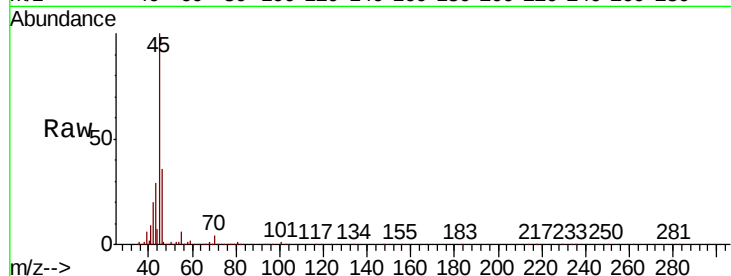




#19
Isopropyl Alcohol
Concen: 10.066 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.04 min
Lab File: VL035361.D
Acq: 6 Aug 2020 22:29

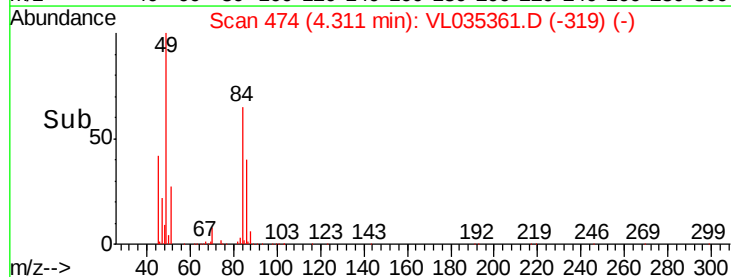
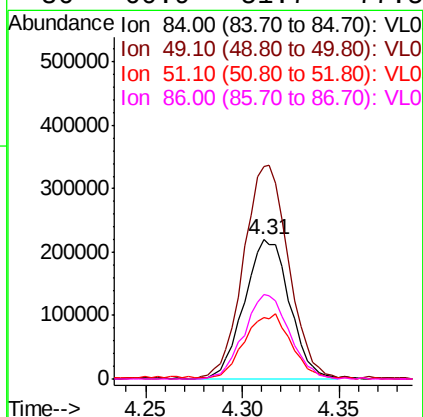
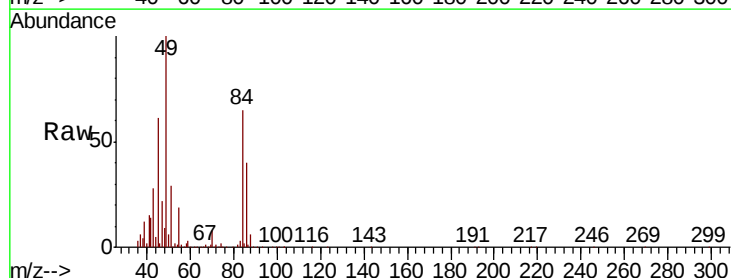
Instrument :
MSVOA_L
ClientSampled :

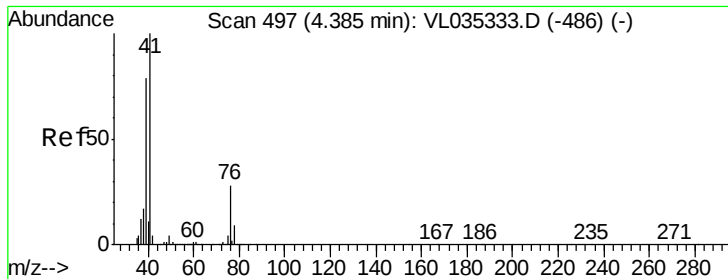
Tot Ion: 45 Resp: 1321171
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#



#20
Methylene Chloride
Concen: 4.219 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.00 min
Lab File: VL035361.D
Acq: 6 Aug 2020 22:29

Tgt Ion: 84 Resp: 356241
Ion Ratio Lower Upper
84 100
49 153.0 122.8 184.2
51 43.1 40.1 60.1
86 60.9 51.7 77.5

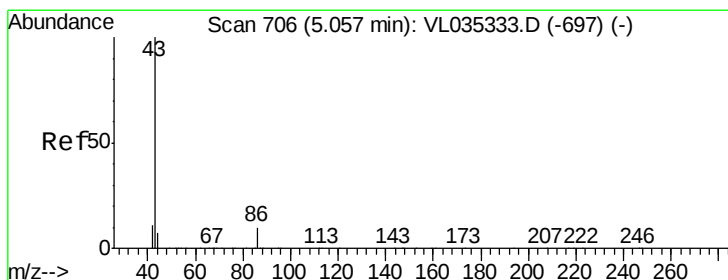
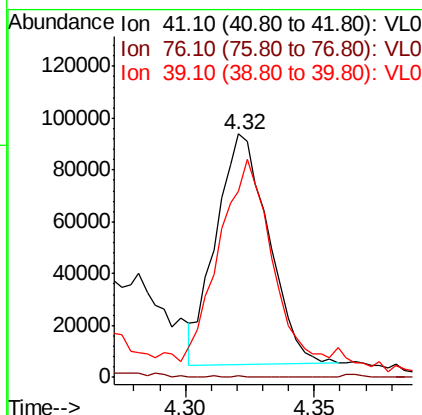
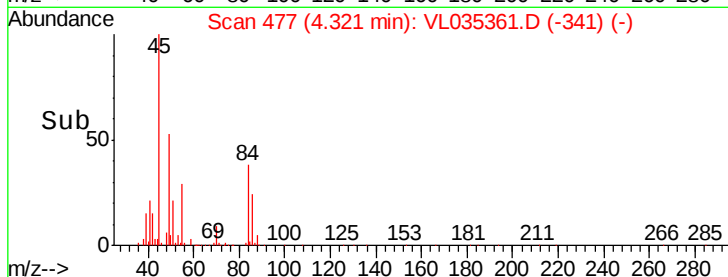
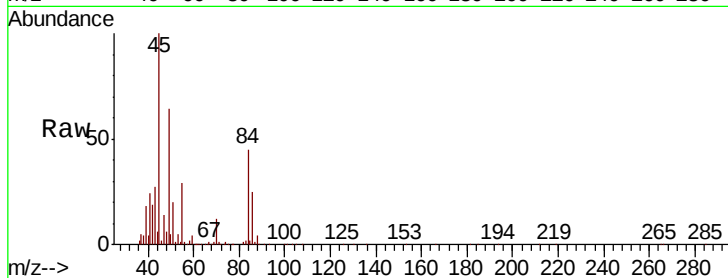




#21
Allvl Chloride
Concen: 1.067 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.06 min
Lab File: VL035361.D
Acq: 6 Aug 2020 22:29

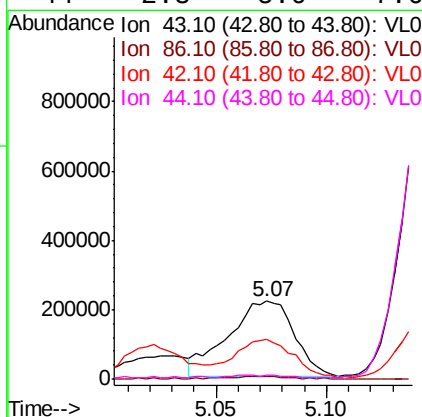
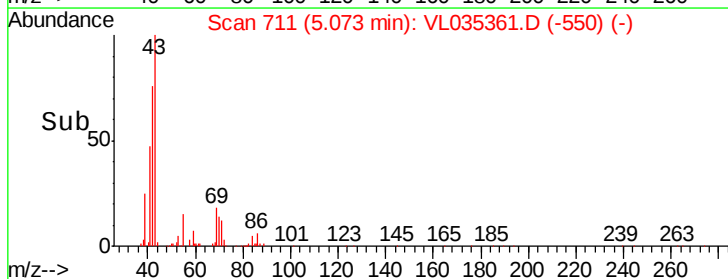
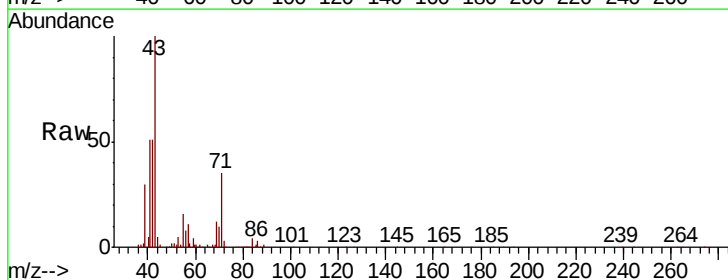
Instrument :
MSVOA_L
ClientSampled :

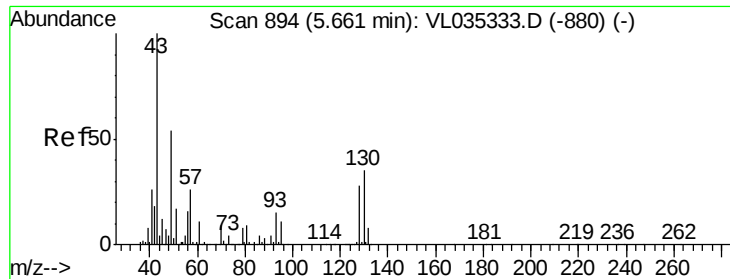
Tot Ion: 41 Resp: 126632
Ion Ratio Lower Upper
41 100
76 0.0 23.8 35.6#
39 105.8 65.0 97.6#



#23
Vinyl Acetate
Concen: 2.235 ppbv
RT: 5.07 min Scan# 711
Delta R.T. 0.02 min
Lab File: VL035361.D
Acq: 6 Aug 2020 22:29

Tgt Ion: 43 Resp: 443778
Ion Ratio Lower Upper
43 100
86 3.6 6.9 10.3#
42 50.8 8.8 13.2#
44 2.8 5.0 7.6#





#25

Ethyl Acetate

Concen: 1.548 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 487169

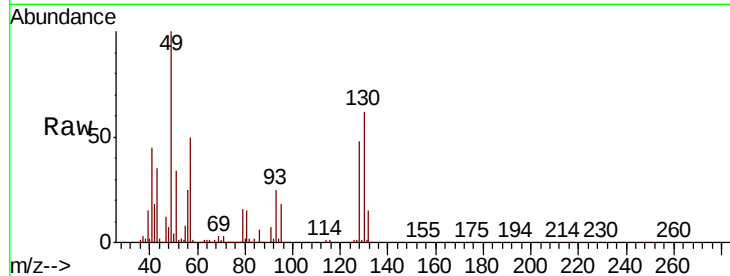
Ion Ratio Lower Upper

43 100

45 2.3 8.5 12.7#

61 1.5 8.1 12.1#

70 4.3 6.5 9.7#

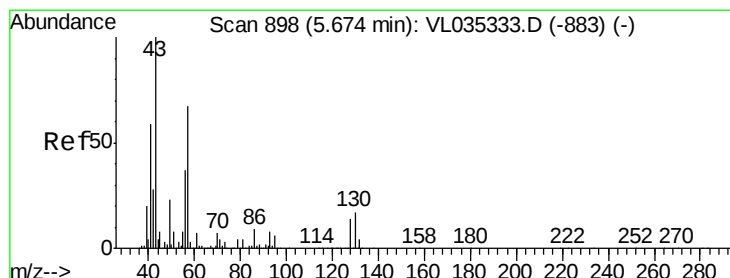
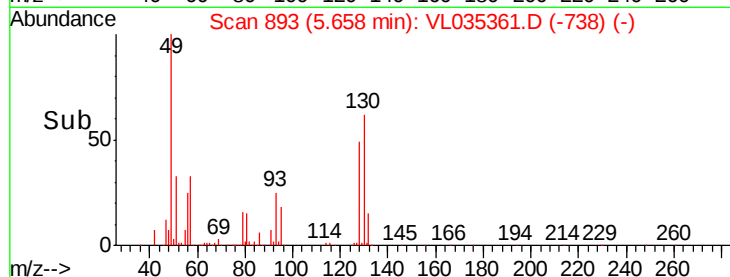
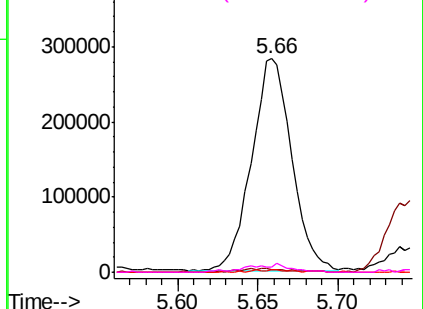


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 4.762 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Tgt Ion: 57 Resp: 649949

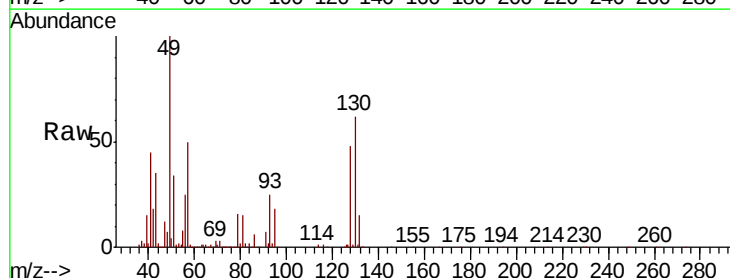
Ion Ratio Lower Upper

57 100

41 109.5 75.2 112.8

43 75.3 180.6 270.8#

56 60.8 43.0 64.6

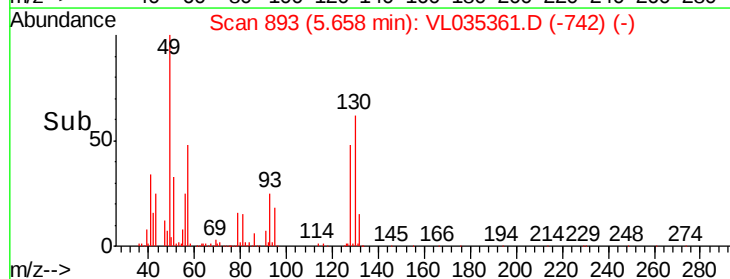
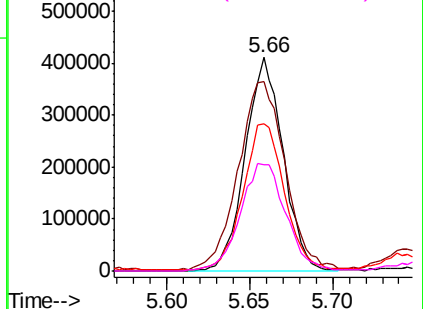


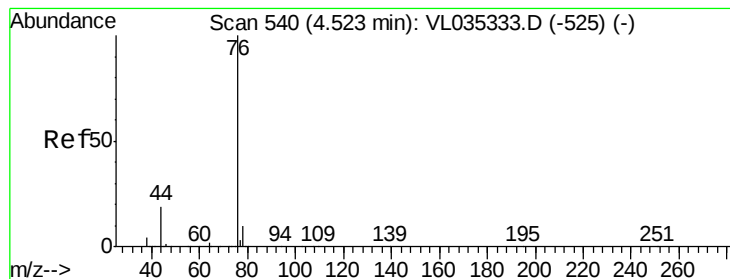
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 1.878 ppbv

RT: 4.51 min Scan# 535

Delta R.T. -0.02 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA_L

ClientSampleId :

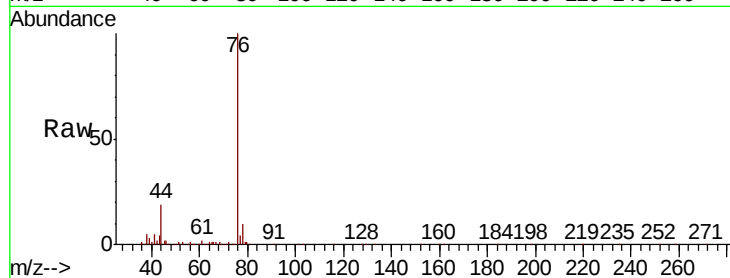
Tot Ion: 76 Resp: 358491

Ion Ratio Lower Upper

76 100

44 22.4 15.4 23.2

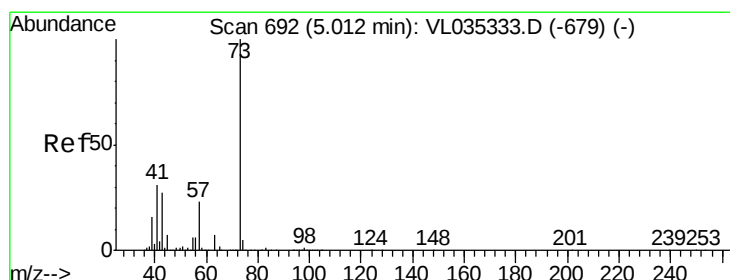
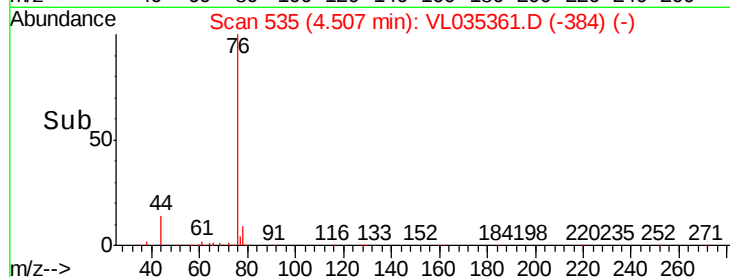
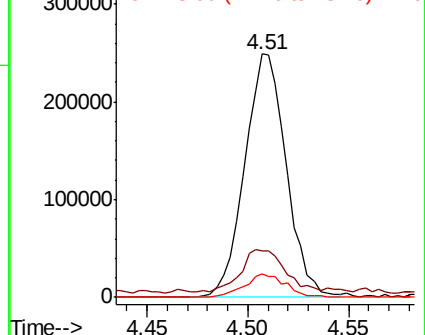
78 9.7 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.051 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL035361.D

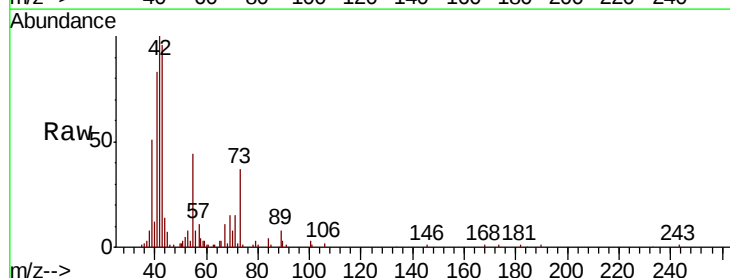
Acq: 6 Aug 2020 22:29

Tgt Ion: 73 Resp: 10153

Ion Ratio Lower Upper

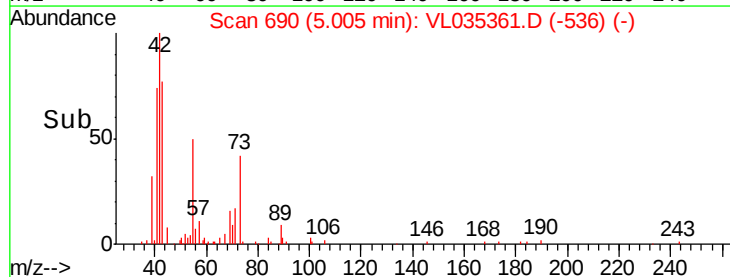
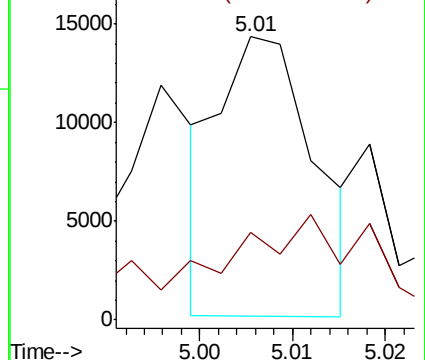
73 100

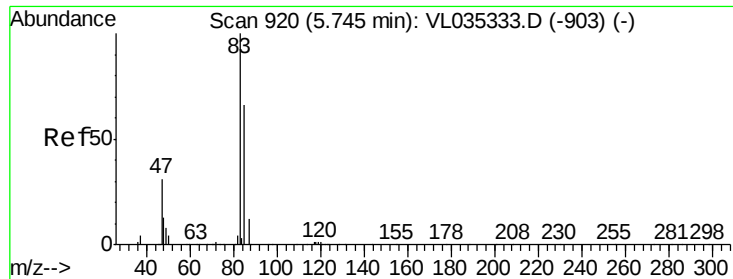
57 0.0 17.9 26.9#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

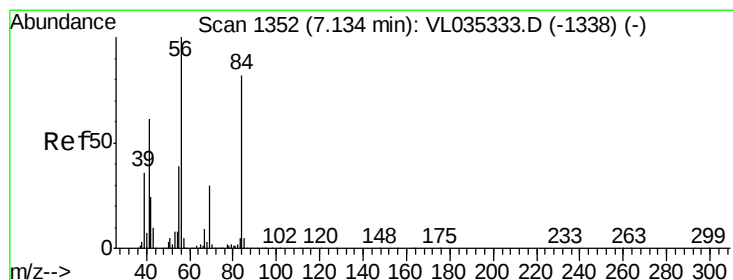
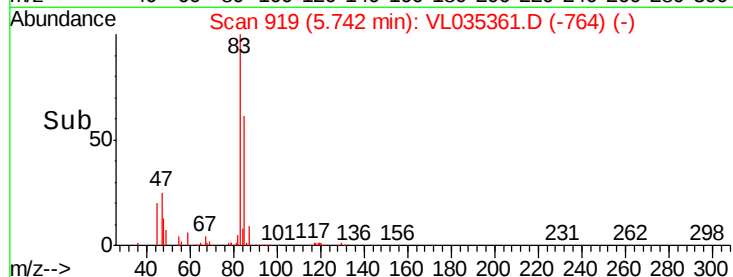
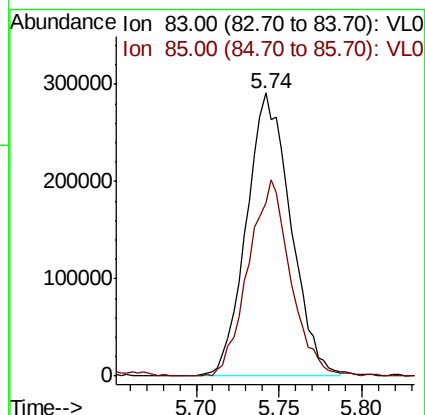
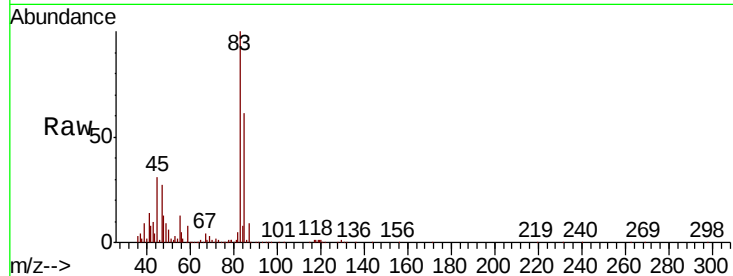




#29
Chloroform
Concen: 2.294 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL035361.D
Acq: 6 Aug 2020 22:29

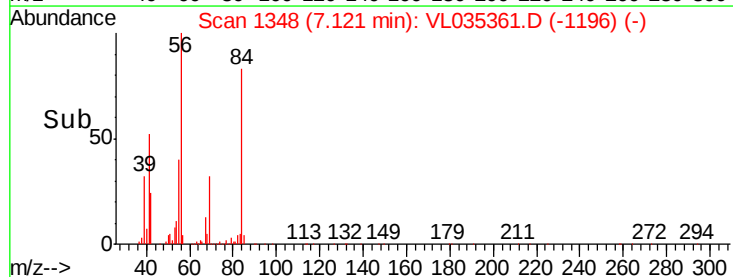
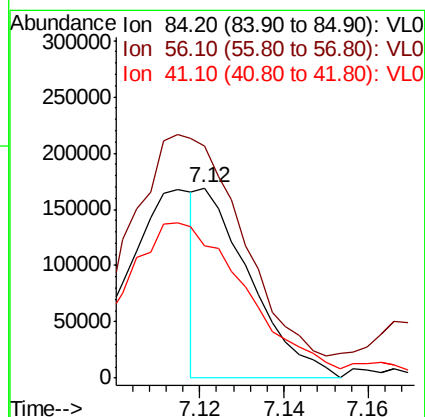
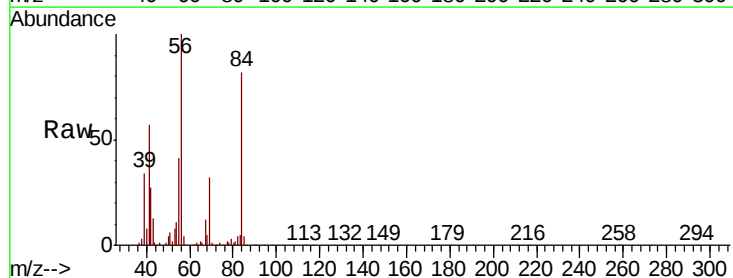
Instrument :
MSVOA_L
ClientSampleId :

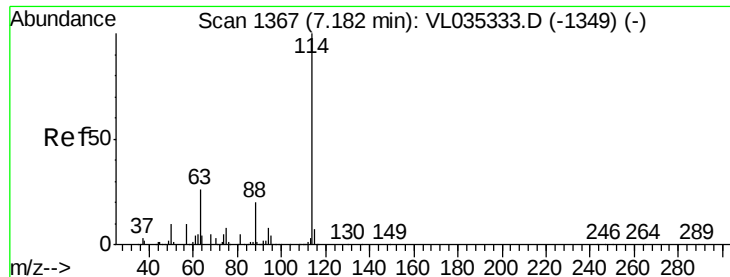
Tot Ion: 83 Resp: 539833
Ion Ratio Lower Upper
83 100
85 60.9 52.9 79.3



#30
Cyclohexane
Concen: 1.387 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035361.D
Acq: 6 Aug 2020 22:29

Tgt Ion: 84 Resp: 143555
Ion Ratio Lower Upper
84 100
56 0.0 104.7 157.1#
41 0.0 64.2 96.2#

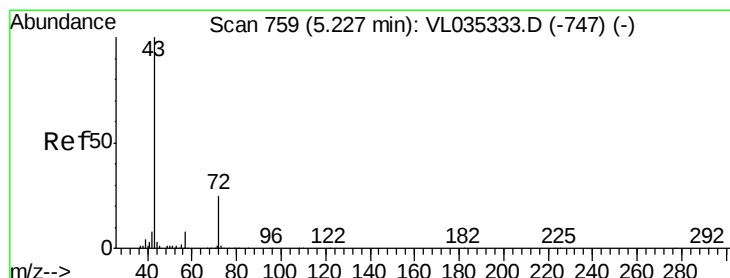
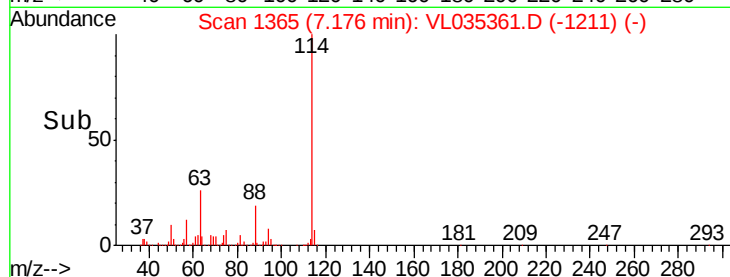
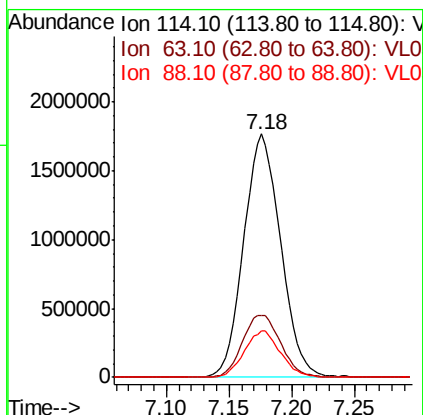
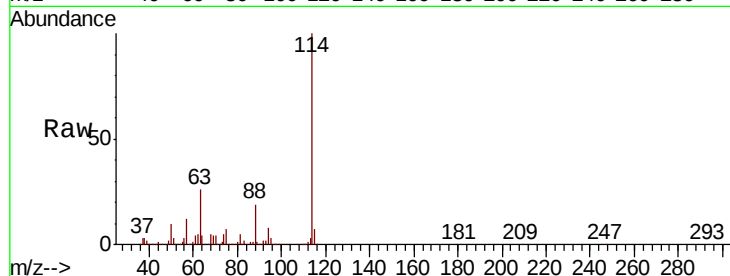




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL035361.D
 Acq: 6 Aug 2020 22:29

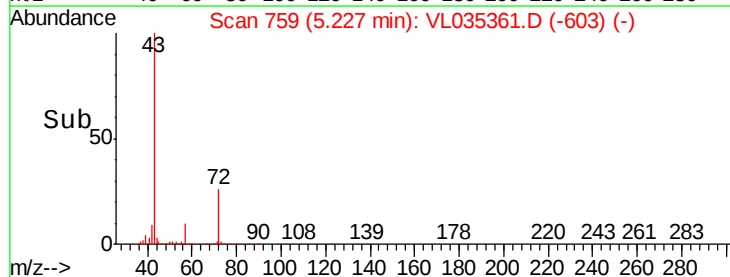
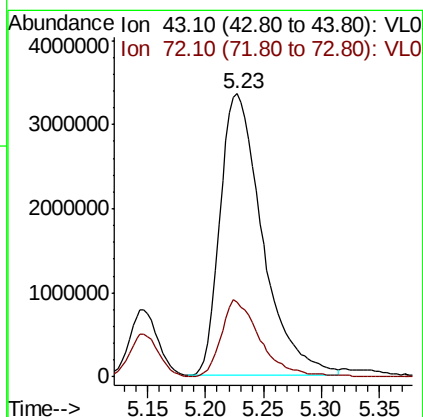
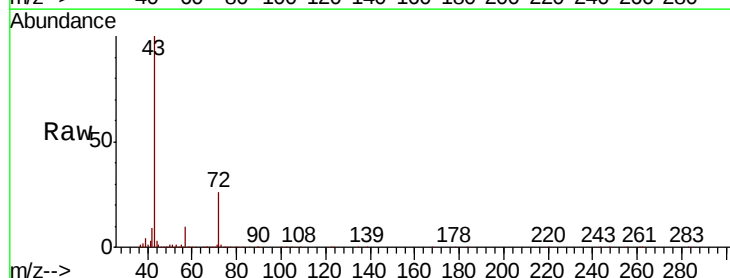
Instrument :
 MSVOA_L
 ClientSampleId :

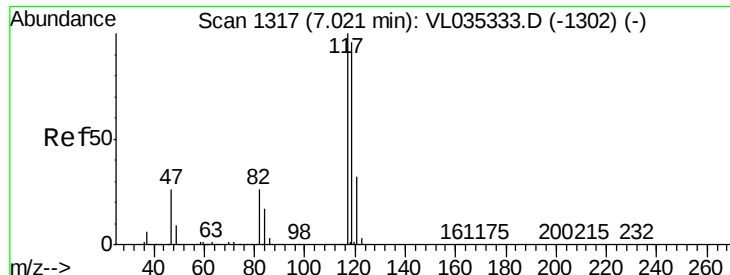
Tot Ion:114 Resp: 3626444
 Ion Ratio Lower Upper
 114 100
 63 26.6 21.3 31.9
 88 18.7 15.3 22.9



#34
 2-Butanone
 Concen: 48.015 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL035361.D
 Acq: 6 Aug 2020 22:29

Tgt Ion: 43 Resp: 8573689
 Ion Ratio Lower Upper
 43 100
 72 25.5 18.9 28.3





#35

Carbon Tetrachloride

Concen: 0.037 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA_L

ClientSampleId :

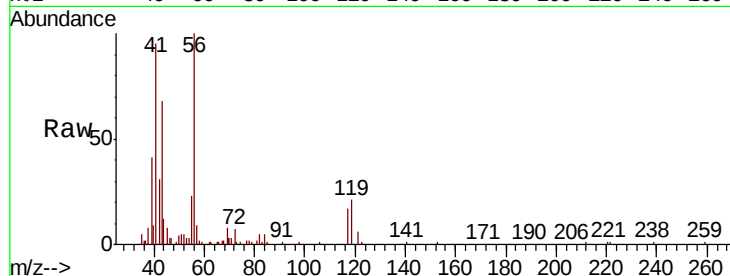
Tot Ion:117 Resp: 9126

Ion Ratio Lower Upper

117 100

119 125.3 77.0 115.6#

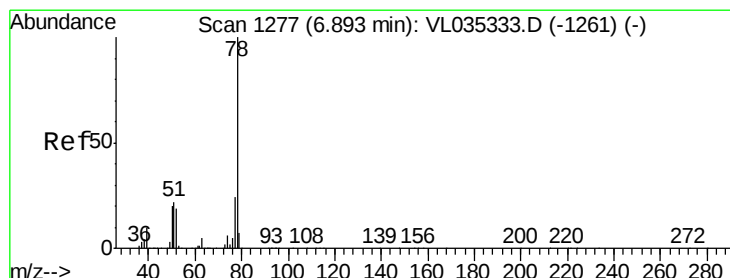
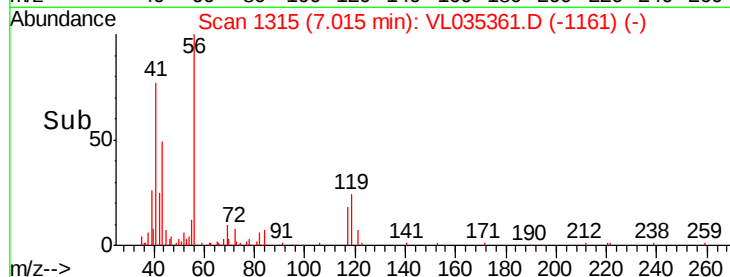
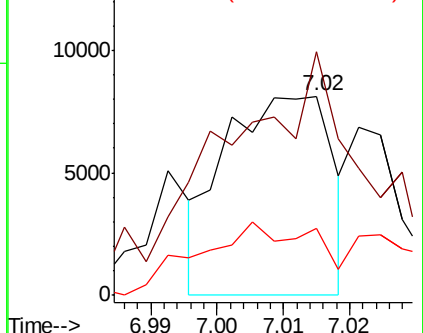
121 40.2 26.0 39.0#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 5.052 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

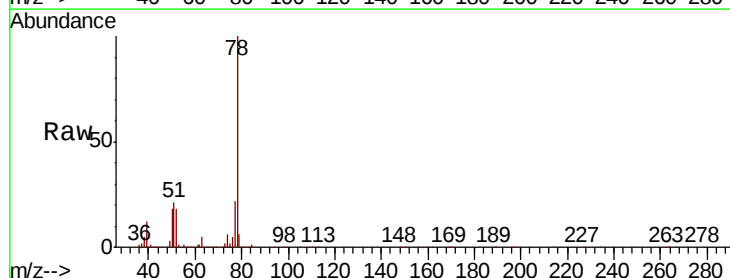
Tgt Ion: 78 Resp: 1237011

Ion Ratio Lower Upper

78 100

77 21.8 19.3 28.9

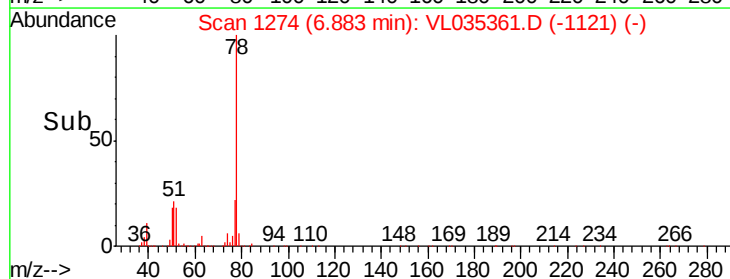
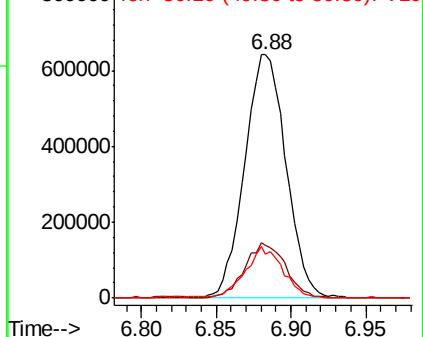
50 17.7 16.3 24.5

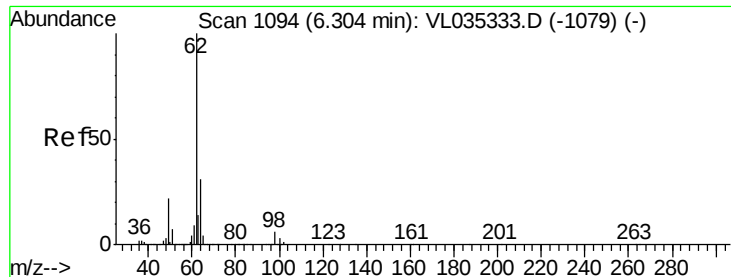


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.120 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA_L

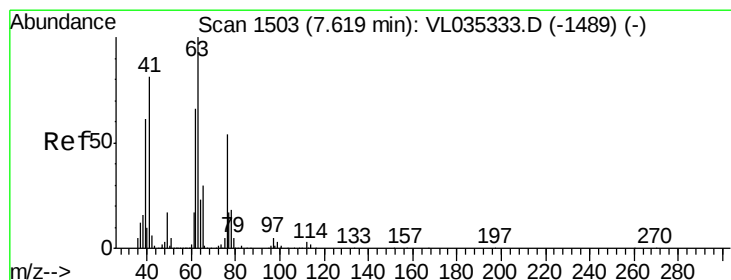
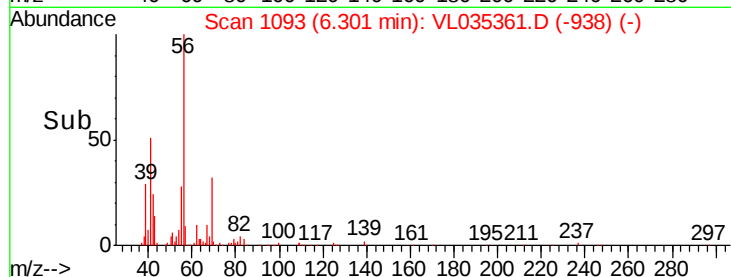
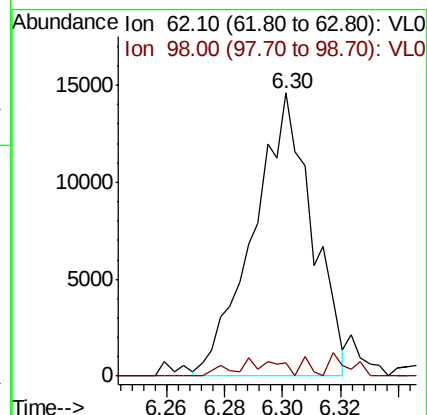
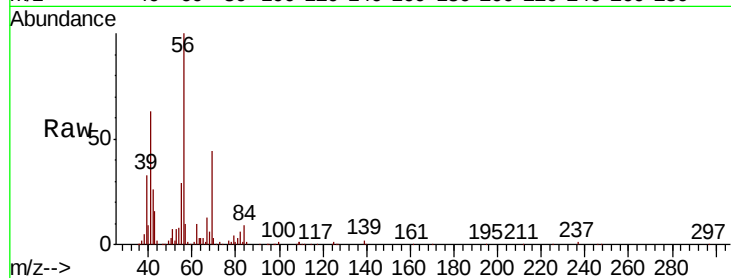
ClientSampleId :

Tot Ion: 62 Resp: 20499

Ion Ratio Lower Upper

62 100

98 0.0 4.6 7.0#



#39

1,2-Dichloropropane

Concen: 9.588 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.44 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

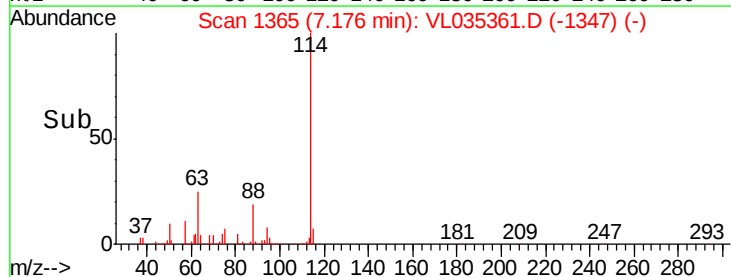
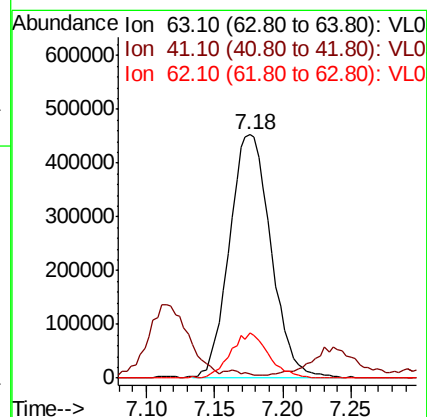
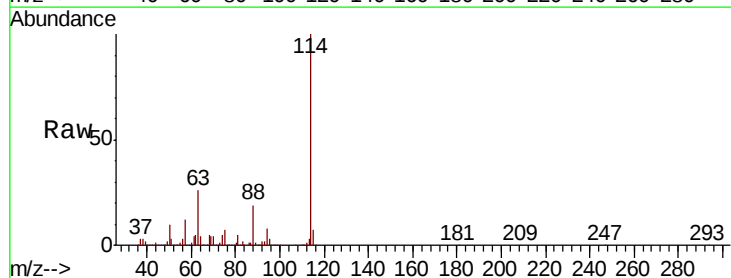
Tgt Ion: 63 Resp: 950537

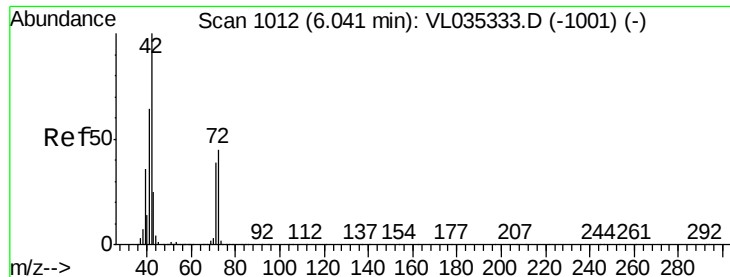
Ion Ratio Lower Upper

63 100

41 0.0 64.4 96.6#

62 18.8 52.6 78.8#





#41

Tetrahydrofuran

Concen: 0.036 ppbv

RT: 6.08 min Scan# 1025

Delta R.T. 0.04 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA_L

ClientSampleId :

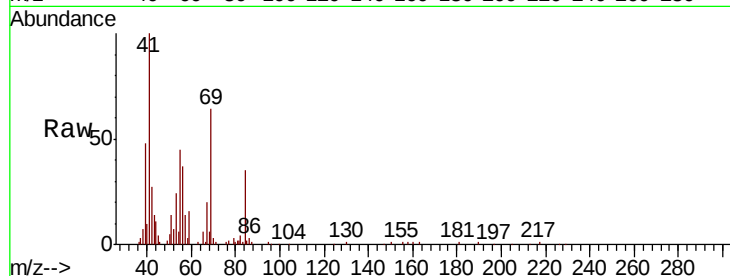
Tot Ion: 42 Resp: 3183

Ion Ratio Lower Upper

42 100

72 272.9 33.6 50.4#

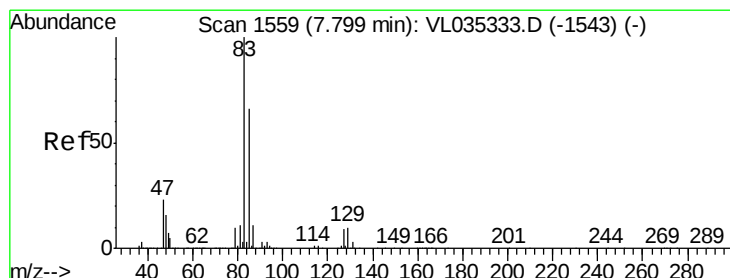
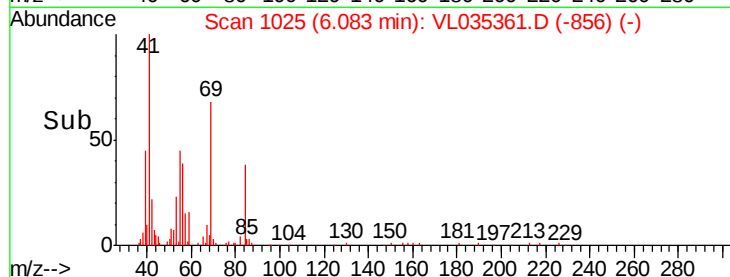
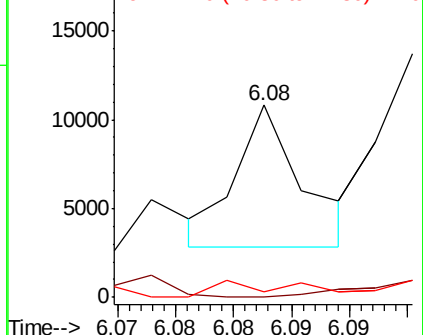
71 217.4 33.1 49.7#



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: 0.040 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

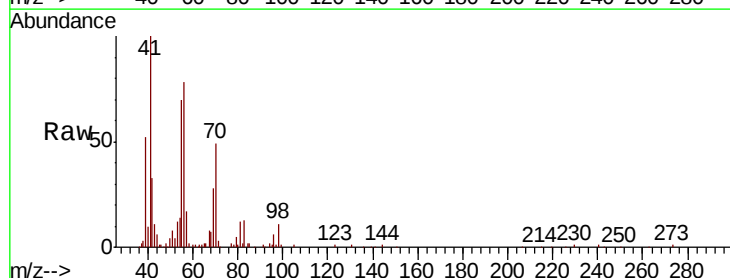
Tgt Ion: 83 Resp: 9214

Ion Ratio Lower Upper

83 100

85 12.9 53.1 79.7#

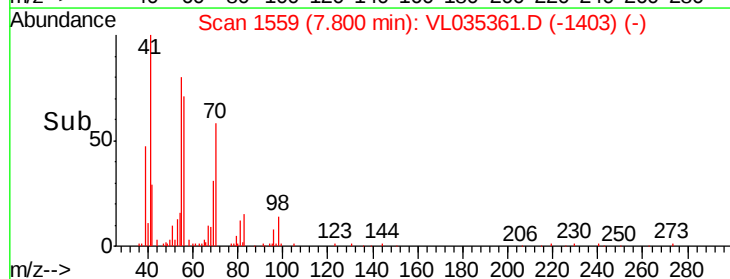
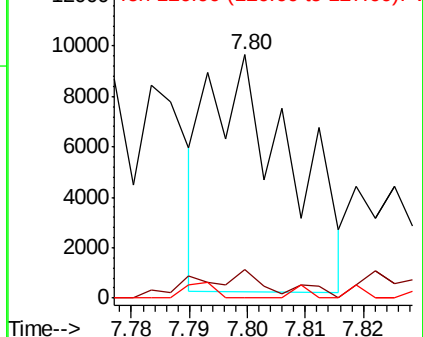
127 0.0 6.8 10.2#

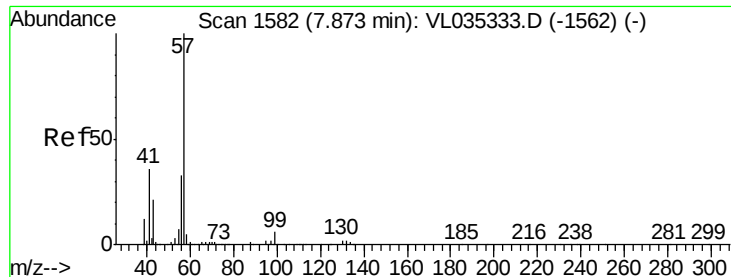


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#44

2,2,4-Trimethylpentane

Concen: 0.608 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.02 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA_L

ClientSampleId :

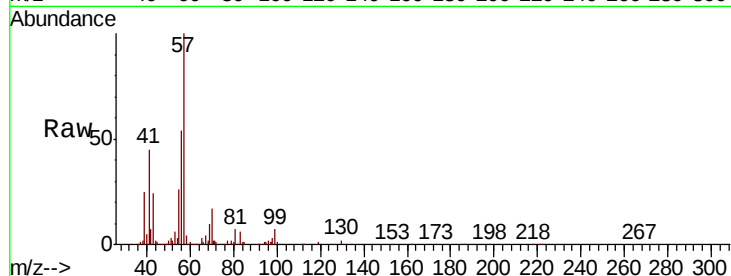
Tot Ion: 57 Resp: 264692

Ion Ratio Lower Upper

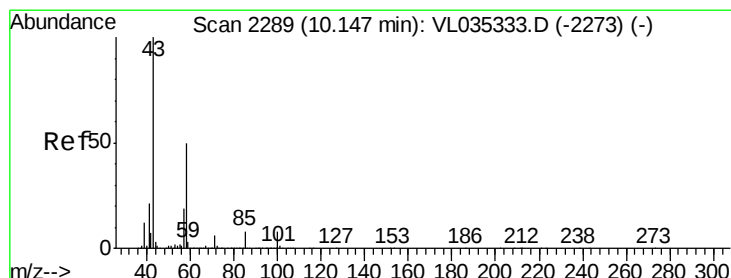
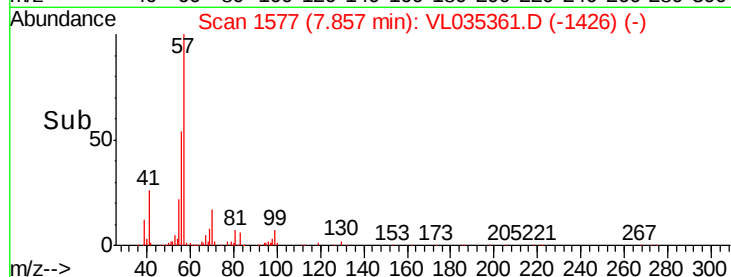
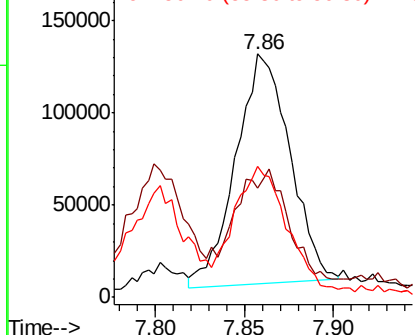
57 100

41 51.4 27.9 41.9#

56 56.5 25.4 38.0#



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



#51

2-Hexanone

Concen: 0.191 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. 0.00 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

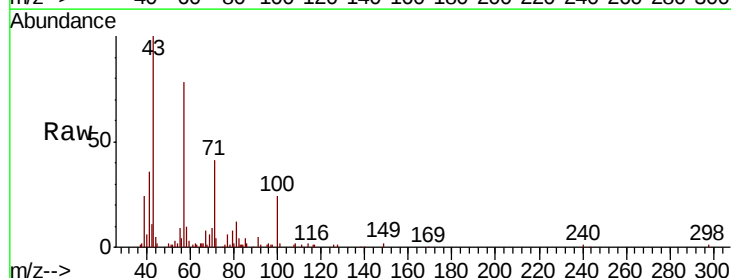
Tgt Ion: 43 Resp: 40807

Ion Ratio Lower Upper

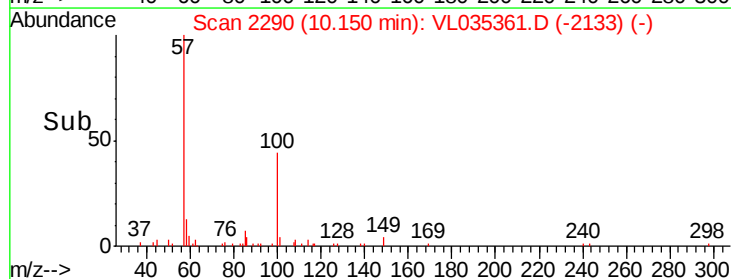
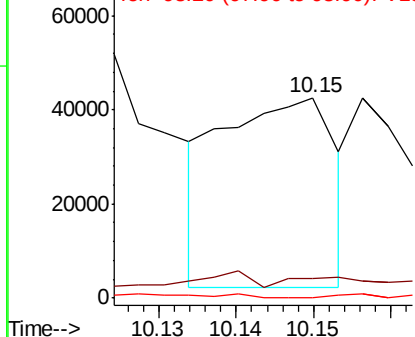
43 100

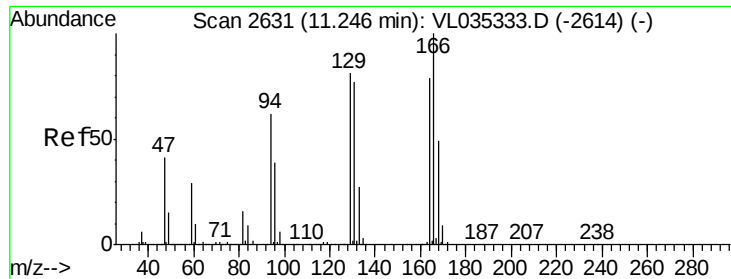
58 33.3 39.4 59.2#

98 0.0 0.2 0.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0





#52

Tetrachloroethene

Concen: 0.094 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 9169

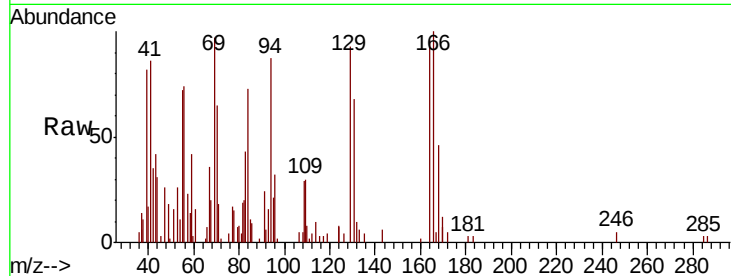
Ion Ratio Lower Upper

164 100

166 69.8 101.4 152.0#

129 74.2 82.1 123.1#

131 57.7 78.4 117.6#

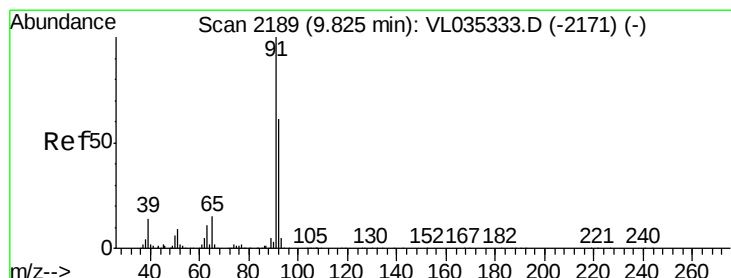
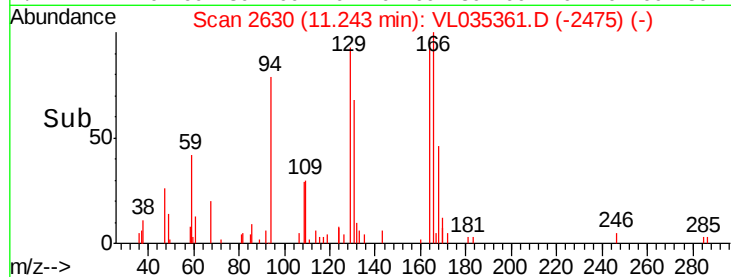
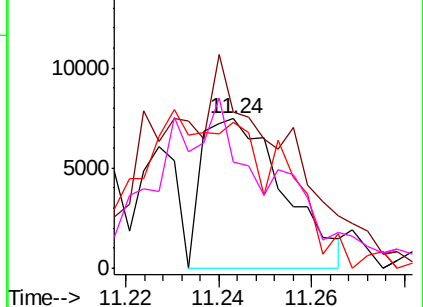


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.344 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL035361.D

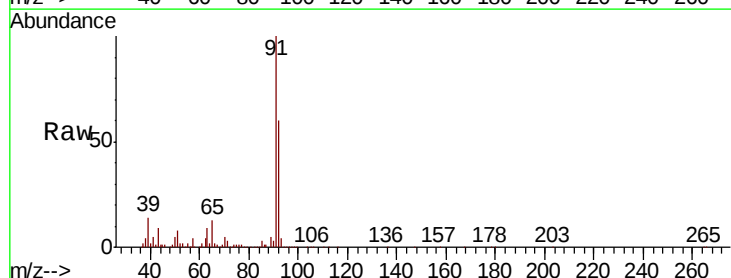
Acq: 6 Aug 2020 22:29

Tgt Ion: 91 Resp: 890780

Ion Ratio Lower Upper

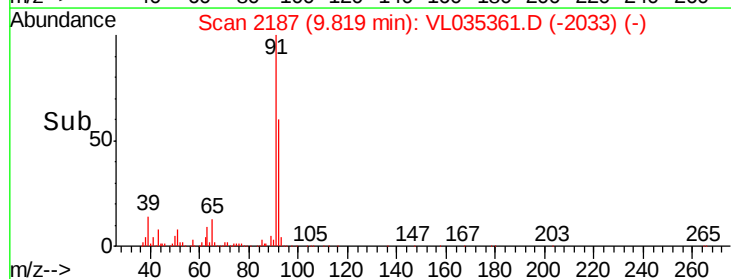
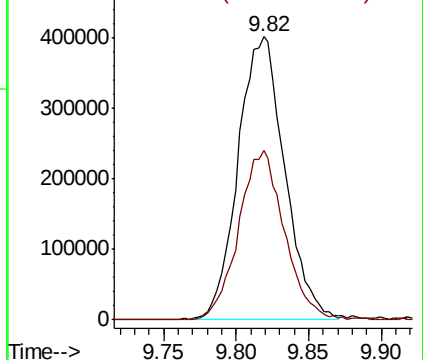
91 100

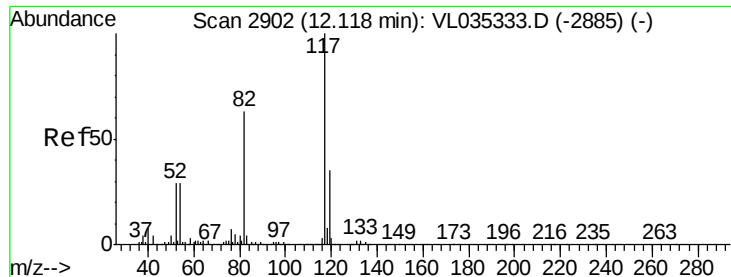
92 59.3 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

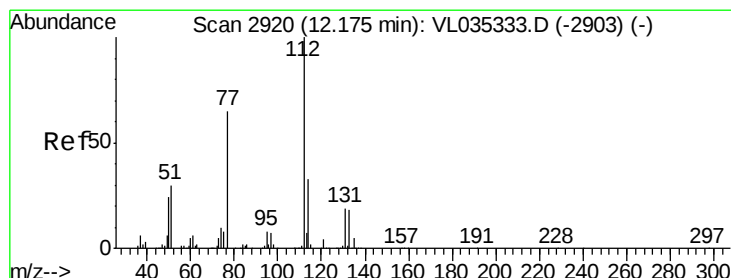
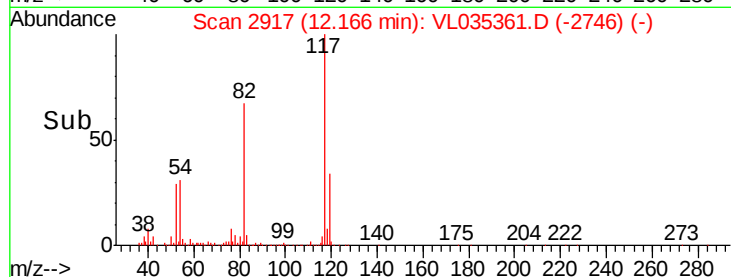
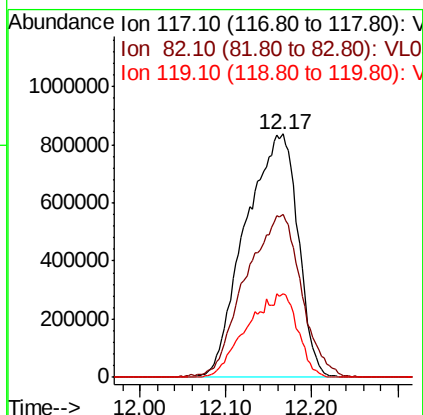
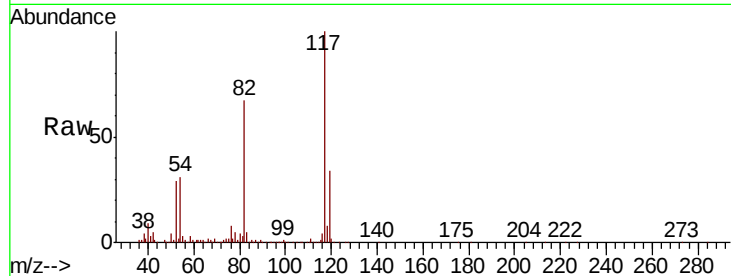




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.05 min
Lab File: VL035361.D
Acq: 6 Aug 2020 22:29

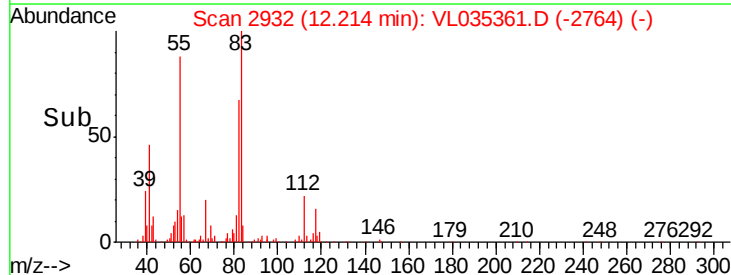
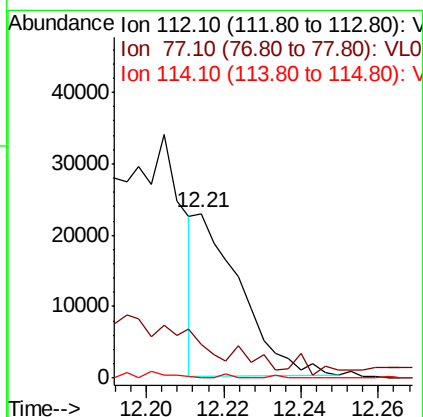
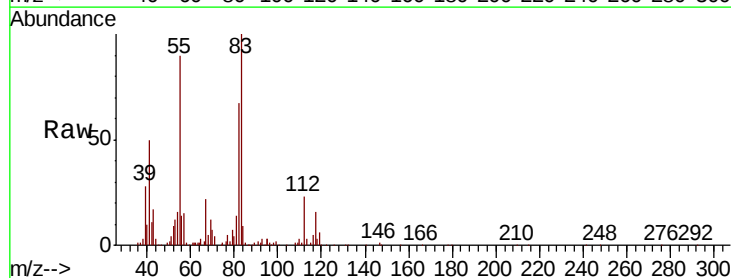
Instrument :
MSVOA_L
ClientSampleId :

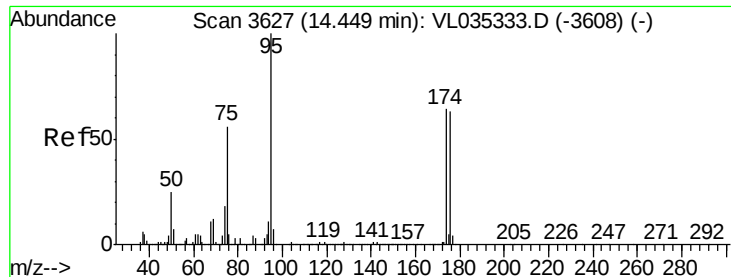
Tot Ion:117 Resp: 3557713
Ion Ratio Lower Upper
117 100
82 71.2 51.0 76.4
119 33.1 24.7 37.1



#57
Chlorobenzene
Concen: 0.068 ppbv
RT: 12.21 min Scan# 2932
Delta R.T. 0.04 min
Lab File: VL035361.D
Acq: 6 Aug 2020 22:29

Tgt Ion:112 Resp: 18201
Ion Ratio Lower Upper
112 100
77 16.2 53.3 79.9#
114 0.0 29.8 36.4#

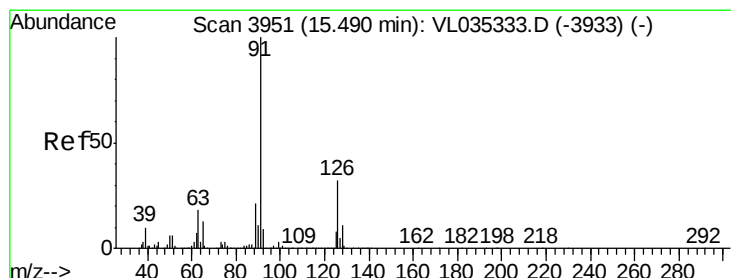
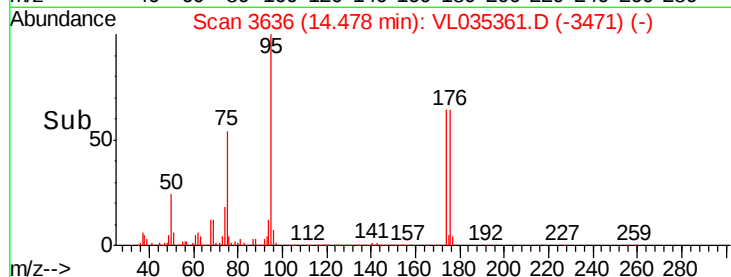
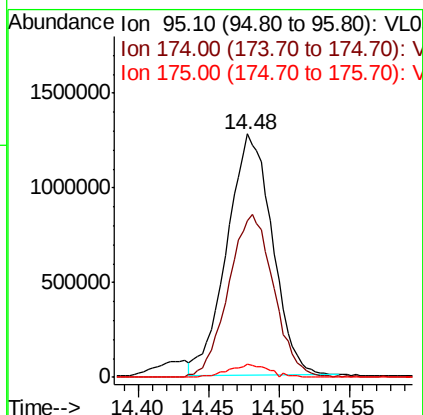
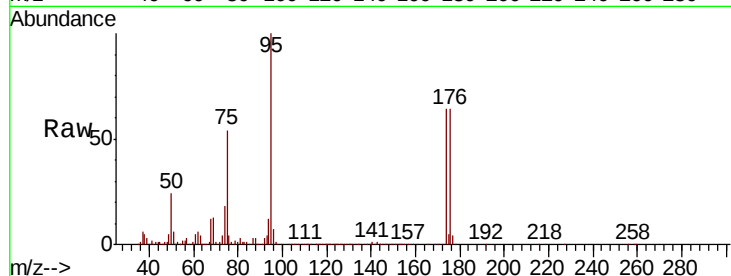




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.676 ppbv
 RT: 14.48 min Scan# 3636
 Delta R.T. 0.03 min
 Lab File: VL035361.D
 Acq: 6 Aug 2020 22:29

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 2870802
 Ion Ratio Lower Upper
 95 100
 174 68.1 53.5 80.3
 175 5.0 4.2 6.2



#71
 2-Chlorotoluene
 Concen: 2.330 ppbv
 RT: 15.36 min Scan# 3909
 Delta R.T. -0.13 min
 Lab File: VL035361.D
 Acq: 6 Aug 2020 22:29

Tgt Ion: 91 Resp: 878984
 Ion Ratio Lower Upper
 91 100
 126 2.8 12.5 50.1#

