

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036106.D
 Acq On : 8 Dec 2020 22:27
 Operator : SY/AP
 Sample : L4949-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4

Quant Time: Dec 09 07:21:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1124172	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2596643	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2368583	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2008955	10.68	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.80%

Target Compounds					Ovalue
3) Chlorodifluoromethane	2.98	51	49238	0.384	ppbv # 89
4) Chloromethane	3.14	50	31216	0.496	ppbv # 90
9) Propene	3.20	41	425193	6.618	ppbv # 96
10) Heptane	8.13	43	600776	3.661	ppbv # 94
11) Trichlorofluoromethane	3.95	101	44616	0.290	ppbv # 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4160	0.040	ppbv # 27
13) Ethanol	3.62	45	678644	76.618	ppbv # 86
15) Acetone	3.85	43	21911572	162.178	ppbv # 70
16) 1,3-Butadiene	3.36	39	2071146	30.436	ppbv # 13
17) tert-Butyl alcohol	4.32	59	151176	1.155	ppbv # 71
19) Isopropyl Alcohol	3.99	45	2186873	26.482	ppbv # 100
20) Methylene Chloride	4.36	84	208918	3.773	ppbv # 93
21) Allyl Chloride	4.37	41	15798	0.176	ppbv # 1
23) Vinyl Acetate	5.11	43	96962	0.539	ppbv # 45
25) Ethyl Acetate	5.68	43	5599412	20.745	ppbv # 63
26) Hexane	5.69	57	480885	3.959	ppbv # 1
30) Cyclohexane	7.15	84	22957	0.257	ppbv # 1
31) cis-1,2-Dichloroethene	5.68	61	707620	6.408	ppbv # 27
34) 2-Butanone	5.25	43	9457066	54.906	ppbv # 97
36) Benzene	6.91	78	197155	0.896	ppbv # 98
38) Trichloroethene	7.86	130	3208	0.039	ppbv # 61
39) 1,2-Dichloropropane	7.19	63	744414	8.566	ppbv # 23
41) Tetrahydrofuran	6.05	42	1638389	16.012	ppbv # 100
43) Methyl Methacrylate	8.03	69	7779	0.082	ppbv # 1
44) 2,2,4-Trimethylpentane	7.88	57	2342790	5.879	ppbv # 72
50) 4-Methyl-2-Pentanone	8.75	43	3123605	12.160	ppbv # 99
51) 2-Hexanone	10.12	43	31353	0.156	ppbv # 71
52) Tetrachloroethene	11.25	164	33663	0.423	ppbv # 83
53) Toluene	9.83	91	20883730	84.514	ppbv # 76
58) Ethyl Benzene	12.73	91	2979532	9.179	ppbv # 99
59) m/p-Xylene	12.99	91	8473115	30.992	ppbv # 94
60) o-Xylene	13.71	91	3150755	12.232	ppbv # 98
61) Styrene	13.55	104	86633	0.524	ppbv # 89
62) Isopropylbenzene	14.69	105	85411	0.224	ppbv # 39
63) 1,1,2,2-Tetrachloroethane	13.69	83	5407	0.031	ppbv # 25
64) n-propylbenzene	15.58	120	95653	1.041	ppbv # 1
65) tert-Butylbenzene	16.78	119	205010	0.656	ppbv # 54
66) Benzyl Chloride	17.23	91	38804	0.499	ppbv # 79
67) sec-Butylbenzene	17.32	105	59972	0.137	ppbv # 96
69) p-Isopropyltoluene	17.68	119	13348	0.038	ppbv # 36
70) n-Butylbenzene	18.57	91	36716	0.107	ppbv # 62

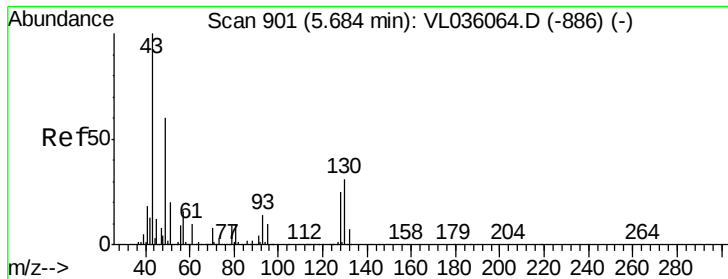
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
Data File : VL036106.D
Acq On : 8 Dec 2020 22:27
Operator : SY/AP
Sample : L4949-05
Misc : 400ml/MSVOA L
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Quant Time: Dec 09 07:21:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	15.58	91	895938	3.104	ppbv #	48
72) 4-Ethyltoluene	15.86	105	966083	3.462	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	849983	3.190	ppbv	95
74) 1,2,4-Trimethylbenzene	16.78	105	2018477	7.546	ppbv #	67

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

IA-4

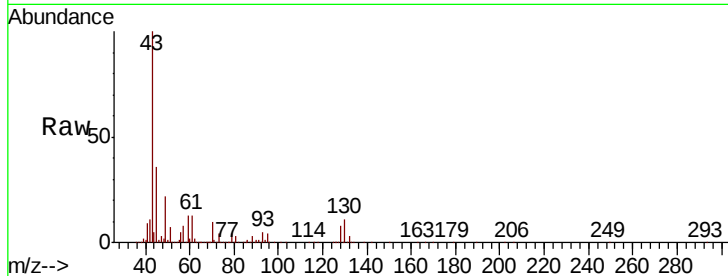
Tot Ion: 49 Resp: 1124172

Ion Ratio Lower Upper

49 100

128 39.7 21.1 63.1

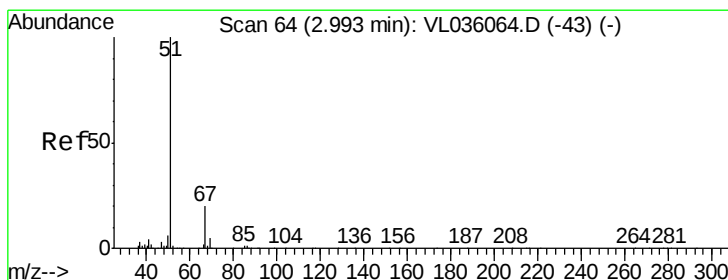
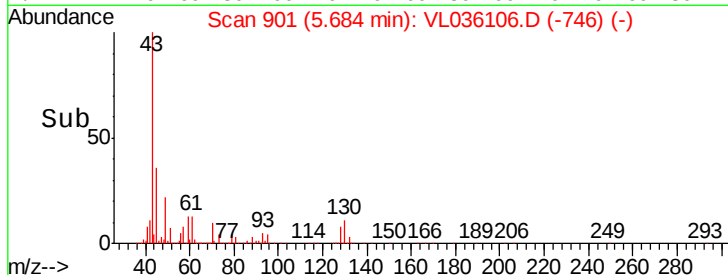
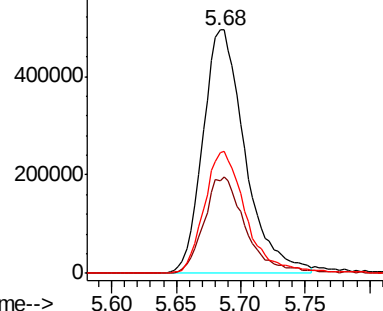
130 50.1 27.1 81.3



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



#3

Chlorodifluoromethane

Concen: 0.384 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL036106.D

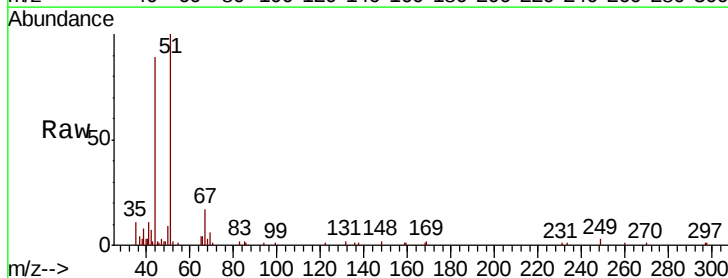
Acq: 8 Dec 2020 22:27

Tgt Ion: 51 Resp: 49238

Ion Ratio Lower Upper

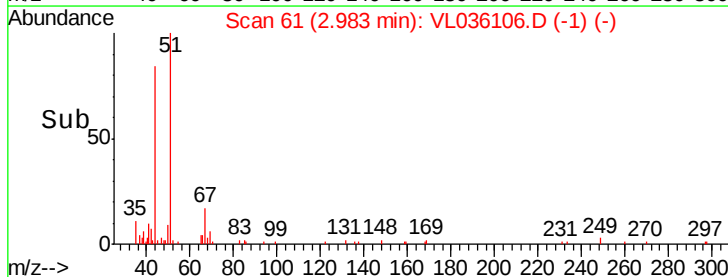
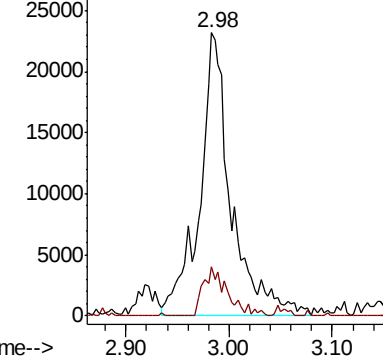
51 100

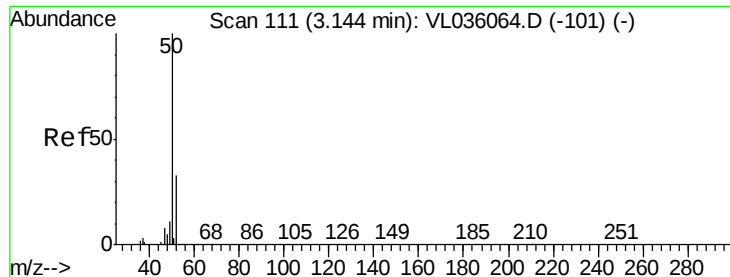
67 13.2 14.3 21.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.496 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

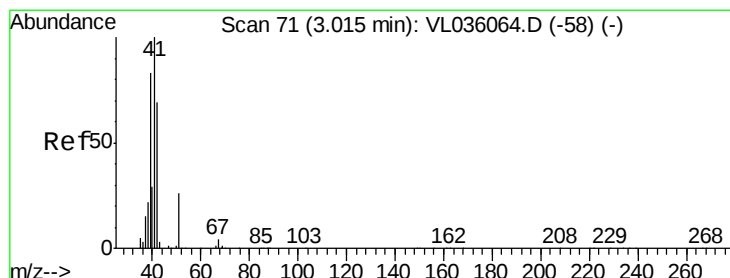
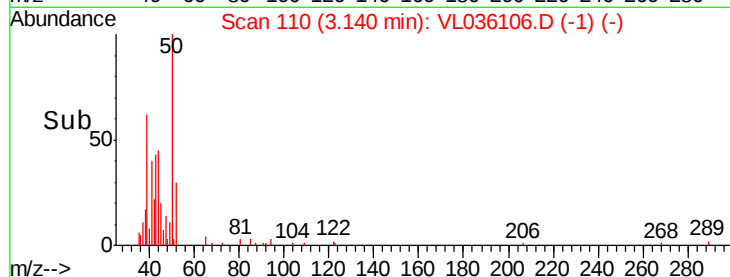
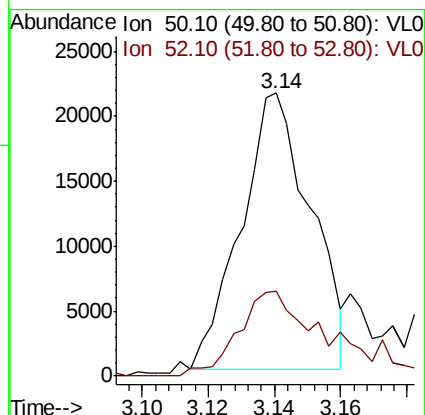
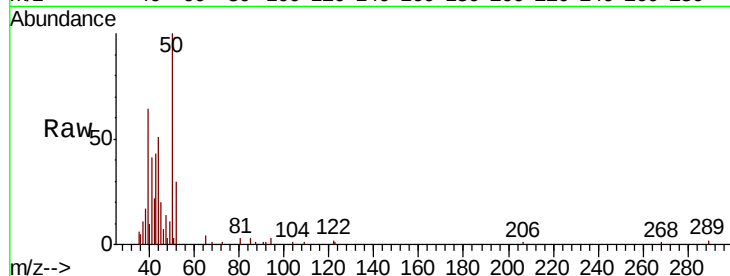
IA-4

Tot Ion: 50 Resp: 31216

Ion Ratio Lower Upper

50 100

52 27.1 26.1 39.1



#9

Propene

Concen: 6.618 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.19 min

Lab File: VL036106.D

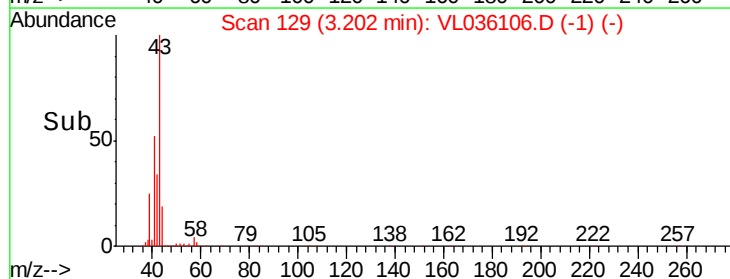
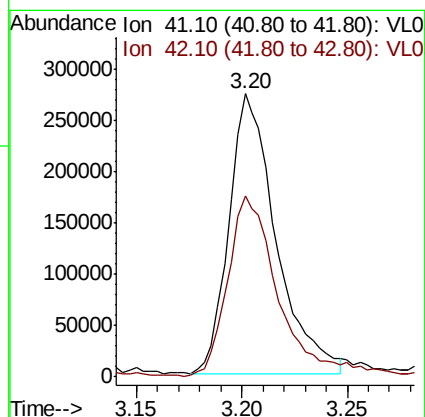
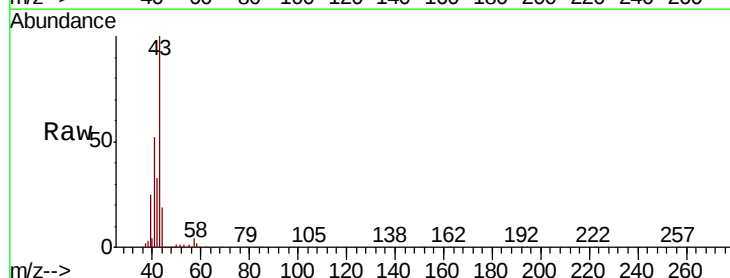
Acq: 8 Dec 2020 22:27

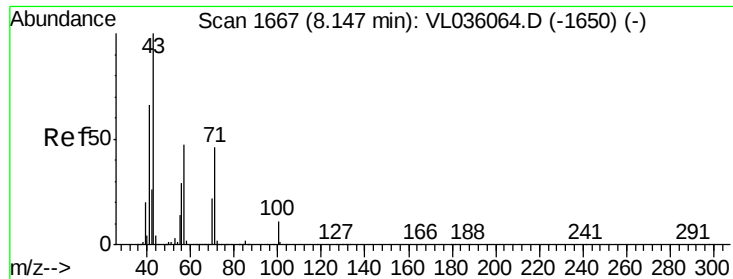
Tgt Ion: 41 Resp: 425193

Ion Ratio Lower Upper

41 100

42 67.8 57.0 85.6

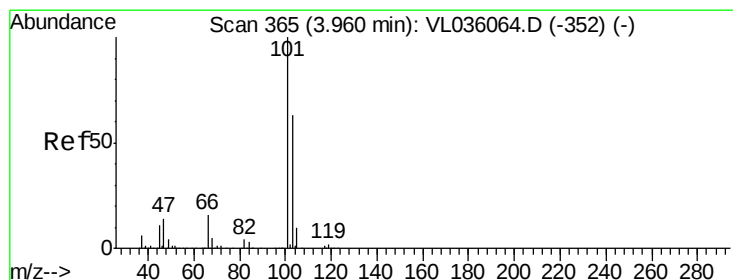
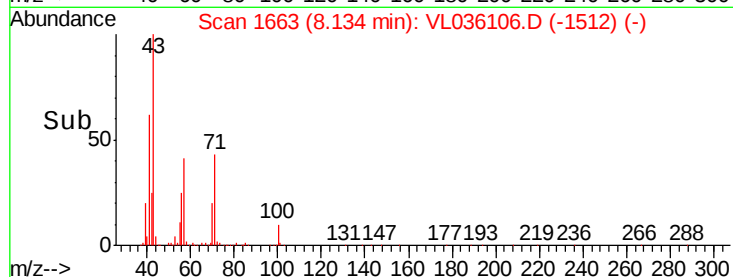
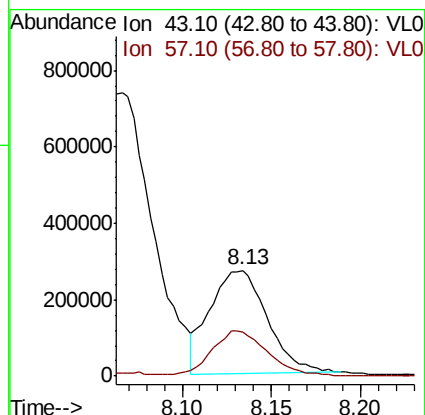
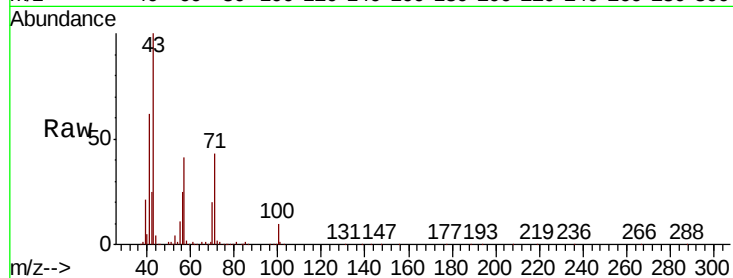




#10
Heptane
Concen: 3.661 ppbv
RT: 8.13 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

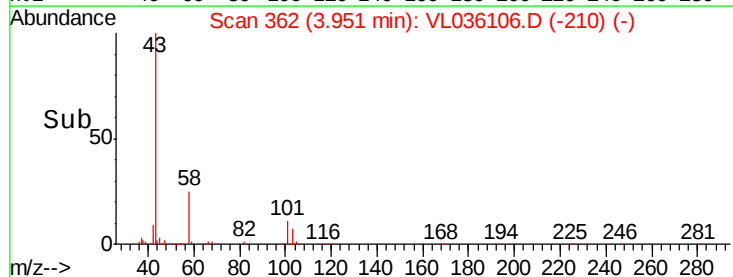
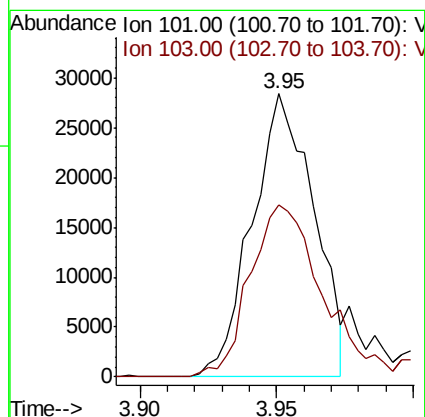
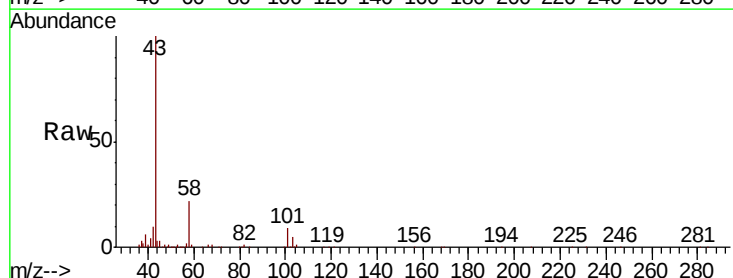
Instrument :
MSVOA_L
ClientSampleId :
IA-4

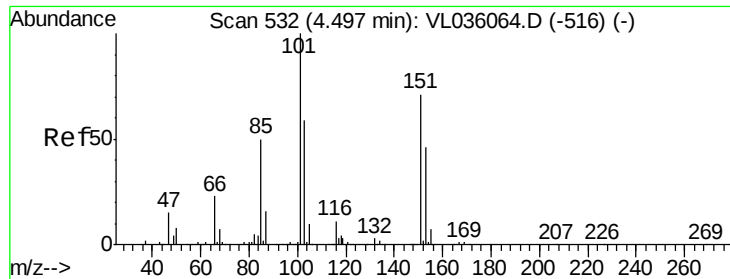
Tot Ion: 43 Resp: 600776
Ion Ratio Lower Upper
43 100
57 43.4 37.9 56.9



#11
Trichlorofluoromethane
Concen: 0.290 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

Tgt Ion: 101 Resp: 44616
Ion Ratio Lower Upper
101 100
103 60.8 50.3 75.5





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.040 ppbv

RT: 4.49 min Scan# 531

Delta R.T. -0.00 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

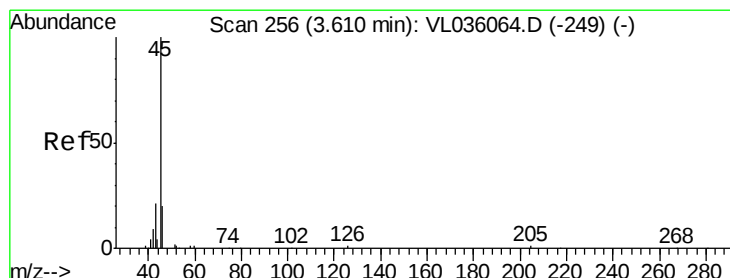
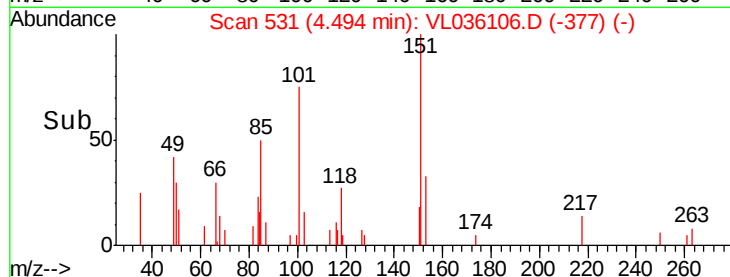
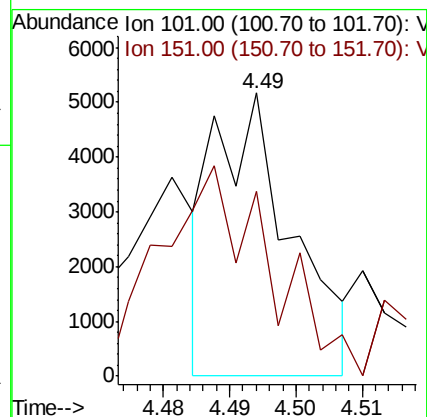
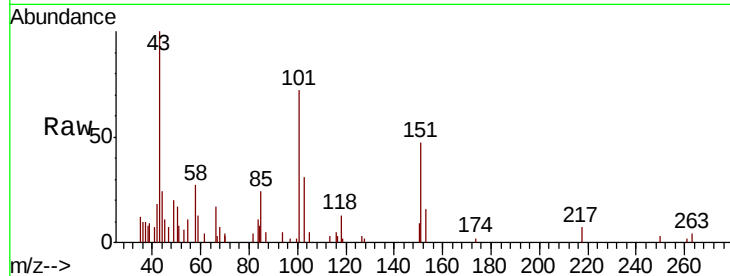
IA-4

Tot Ion:101 Resp: 4160

Ion Ratio Lower Upper

101 100

151 135.5 59.3 88.9#



#13

Ethanol

Concen: 76.618 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.01 min

Lab File: VL036106.D

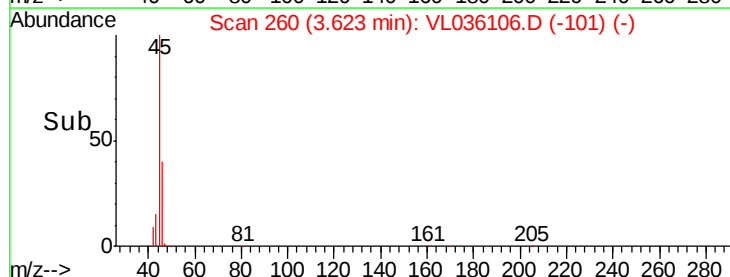
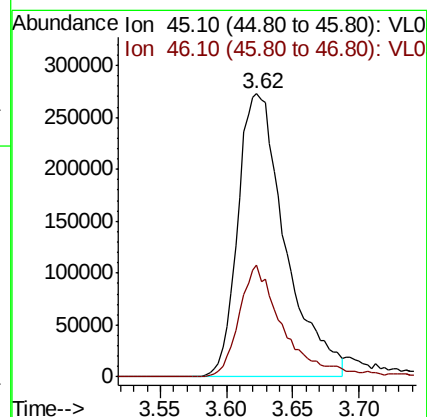
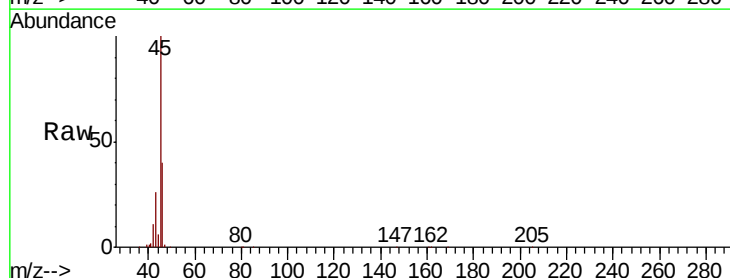
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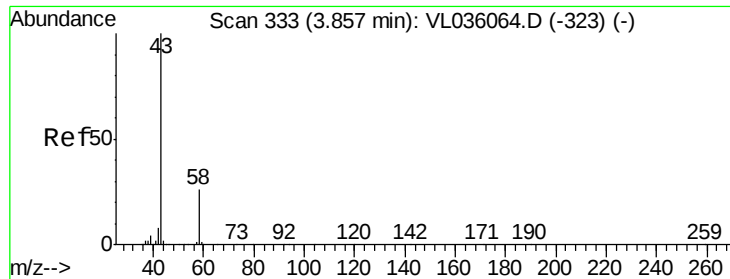
Tgt Ion: 45 Resp: 678644

Ion Ratio Lower Upper

45 100

46 38.2 19.0 75.8

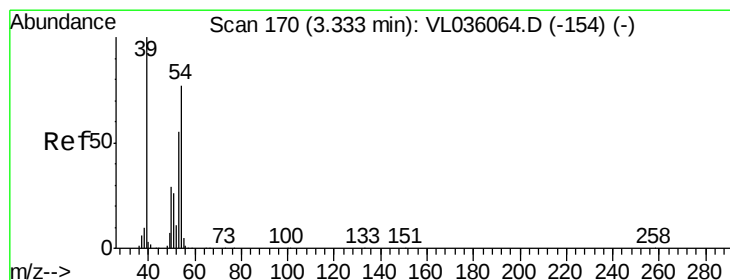
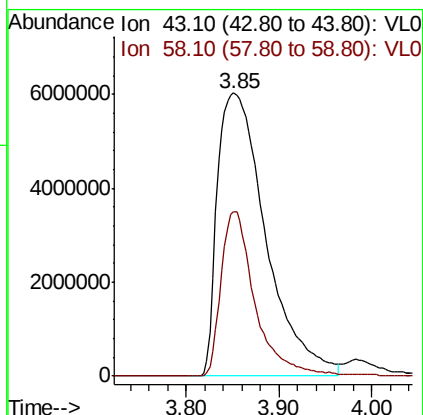
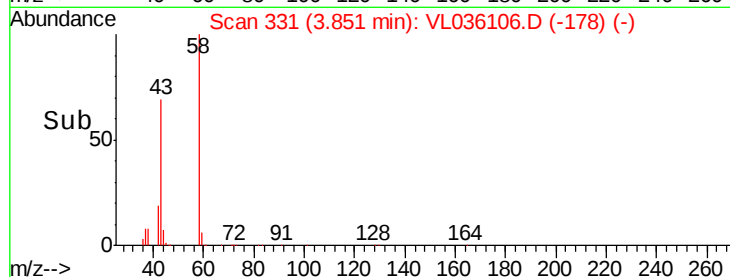
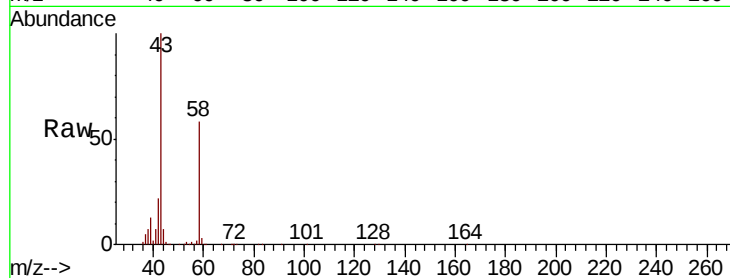




#15
Acetone
Concen: 162.178 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

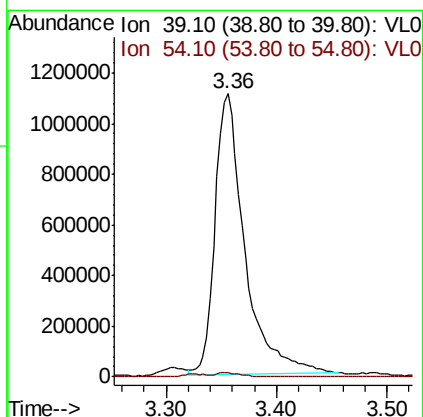
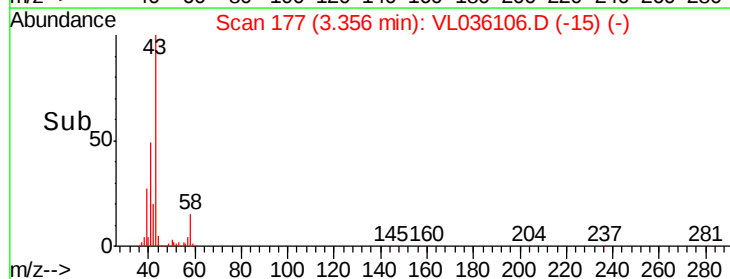
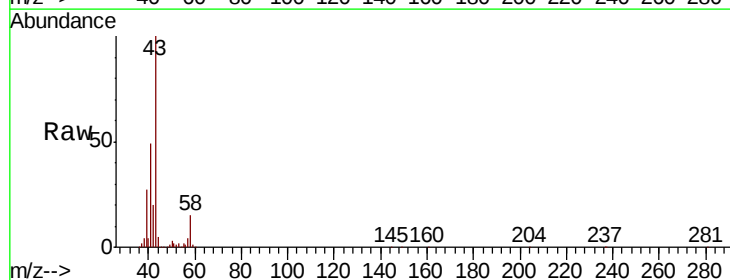
Instrument :
MSVOA_L
ClientSampleId :
IA-4

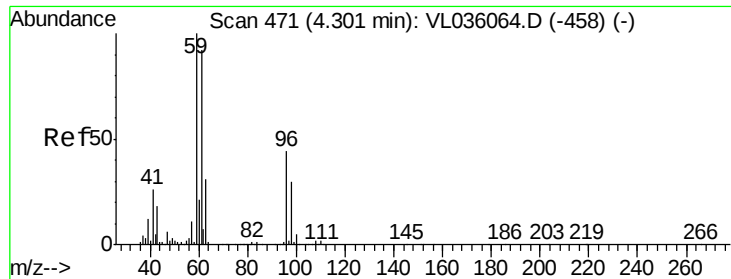
Tot Ion: 43 Resp:21911572
Ion Ratio Lower Upper
43 100
58 41.4 20.9 31.3#



#16
1,3-Butadiene
Concen: 30.436 ppbv
RT: 3.36 min Scan# 177
Delta R.T. 0.02 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

Tgt Ion: 39 Resp: 2071146
Ion Ratio Lower Upper
39 100
54 2.5 62.1 93.1#



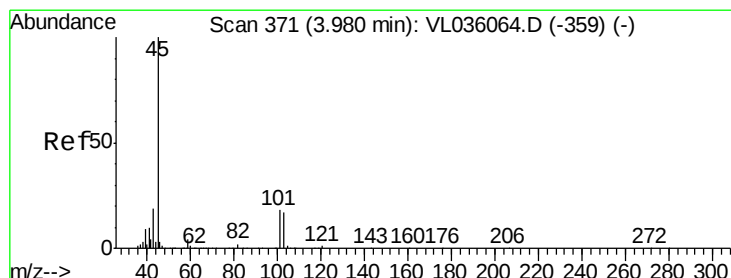
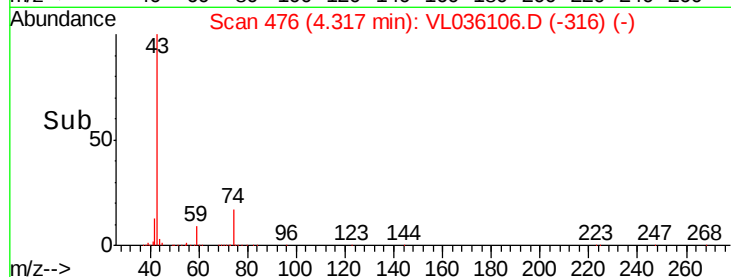
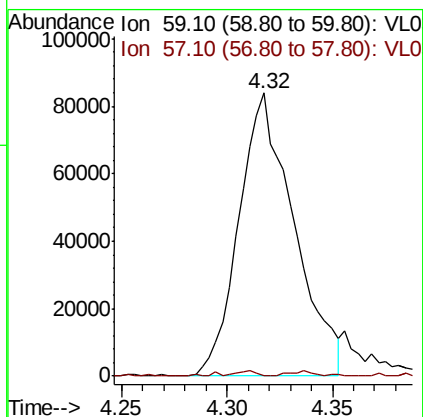
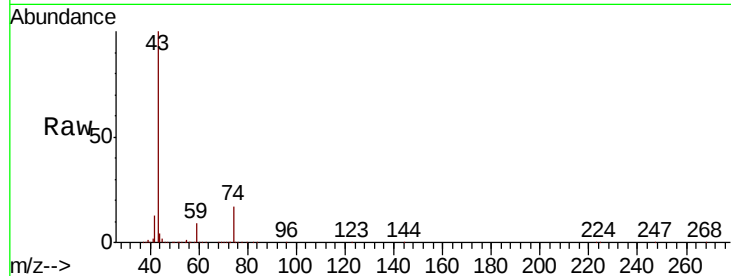


#17

tert-Butyl alcohol
Concen: 1.155 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.02 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
IA-4

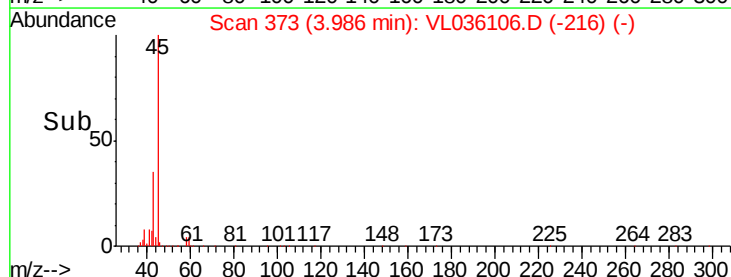
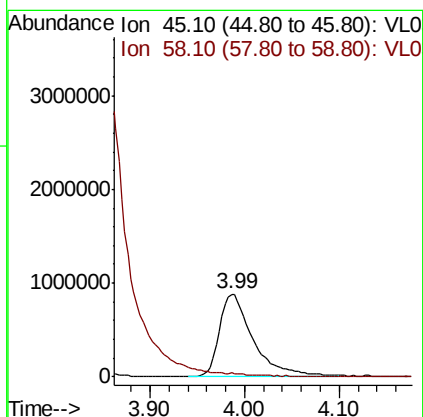
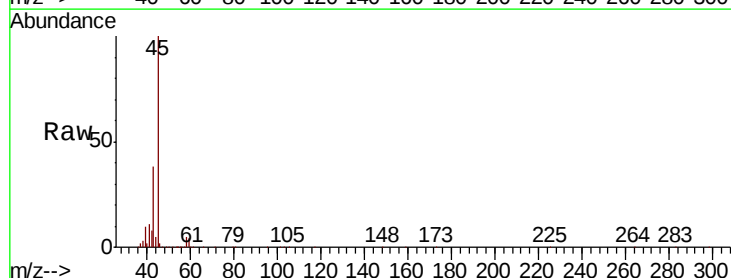
Tot Ion: 59 Resp: 151176
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

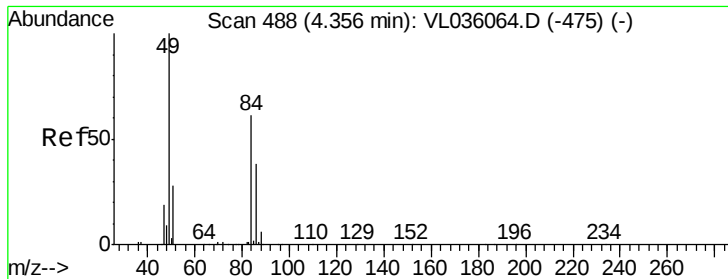


#19

Isopropyl Alcohol
Concen: 26.482 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.01 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

Tgt Ion: 45 Resp: 2186873
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0

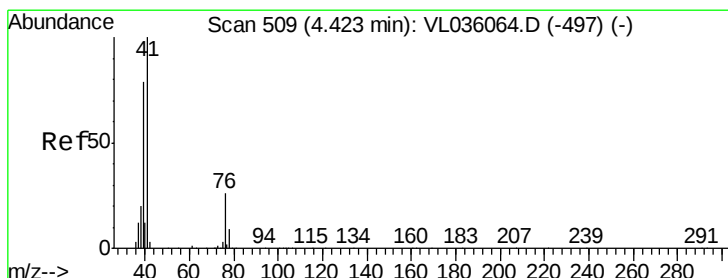
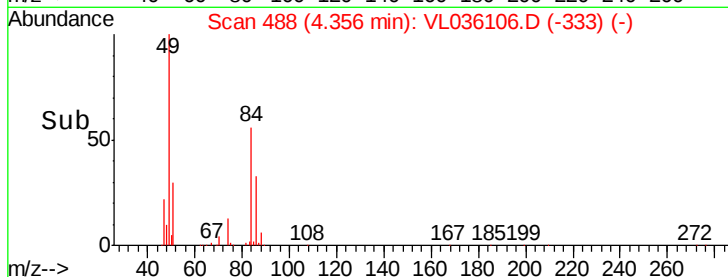
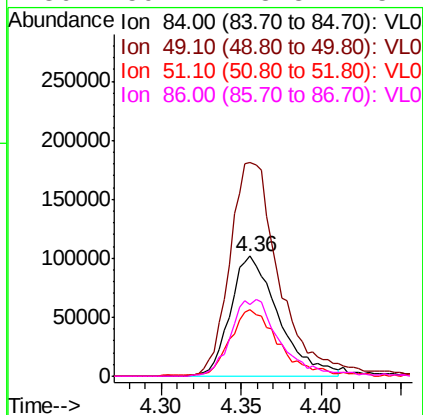
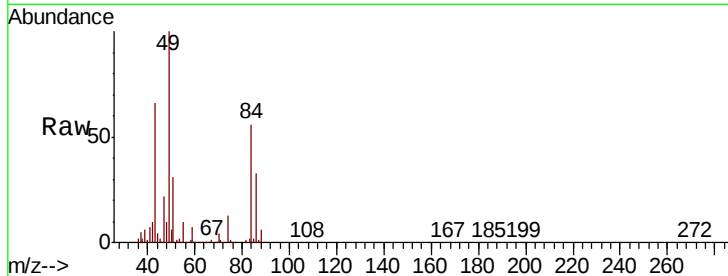




#20
Methvlene Chloride
Concen: 3.773 ppbv
RT: 4.36 min Scan# 488
Delta R.T. -0.00 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

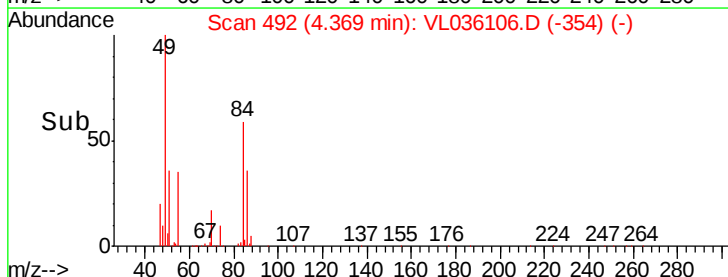
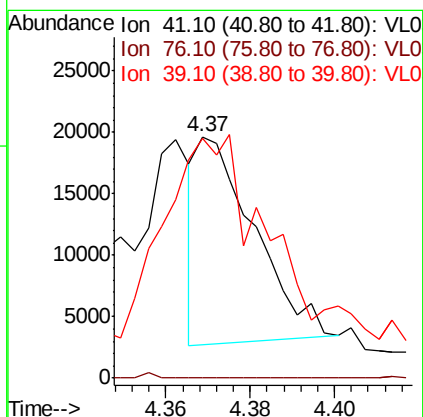
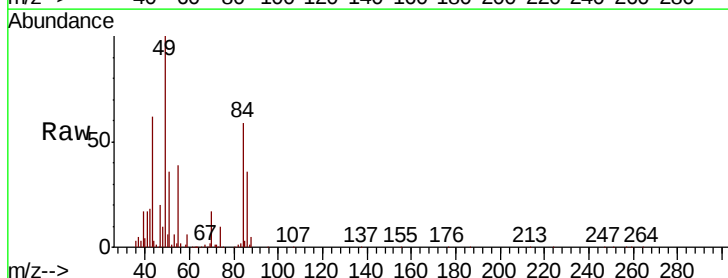
Instrument :
MSVOA_L
ClientSampled :
IA-4

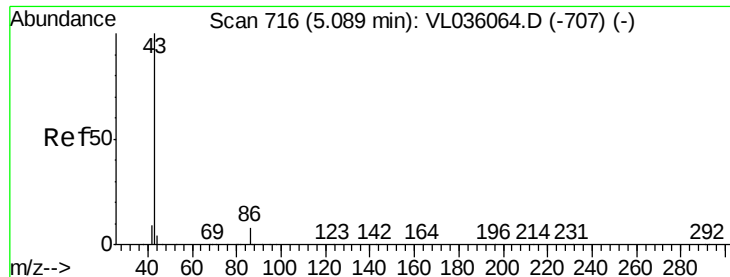
Tot Ion:	84	Resp:	208918
Ion	Ratio	Lower	Upper
84	100		
49	176.7	133.0	199.4
51	54.1	38.9	58.3
86	59.1	48.8	73.2



#21
Allyl Chloride
Concen: 0.176 ppbv
RT: 4.37 min Scan# 492
Delta R.T. -0.05 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

Tgt Ion:	41	Resp:	15798
Ion	Ratio	Lower	Upper
41	100		
76	0.6	21.0	31.4#
39	209.8	66.0	99.0#





#23

Vinyl Acetate

Concen: 0.539 ppbv

RT: 5.11 min Scan# 722

Delta R.T. 0.02 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

IA-4

Tot Ion: 43 Resp: 96962

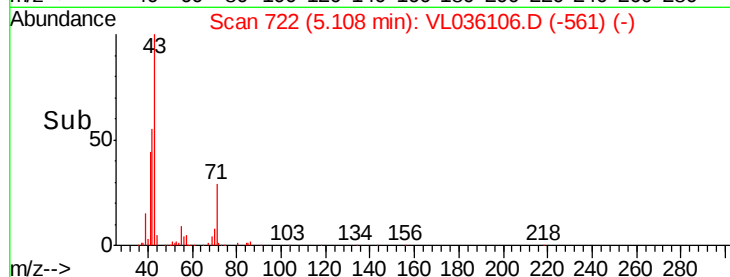
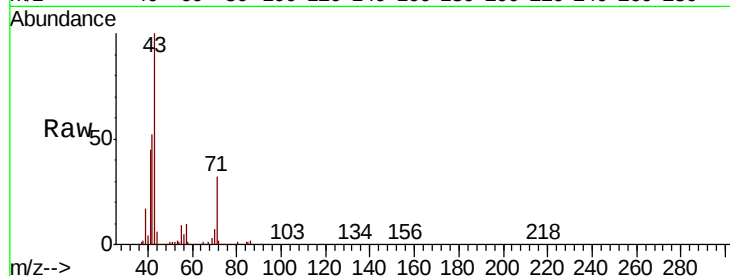
Ion Ratio Lower Upper

43 100

86 2.1 5.0 7.4#

42 47.0 7.8 11.6#

44 6.8 3.2 4.8#

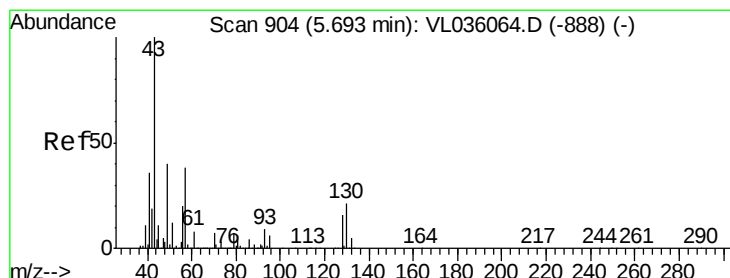
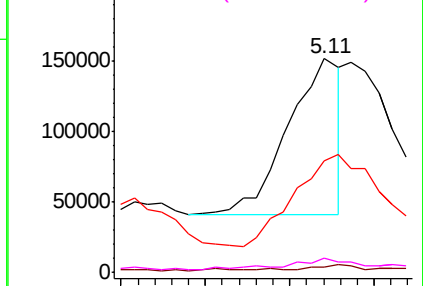


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 20.745 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.01 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

Tgt Ion: 43 Resp: 5599412

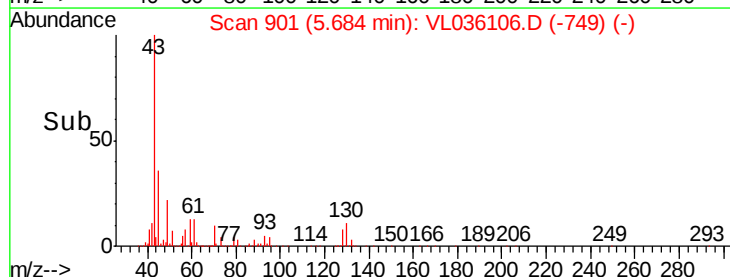
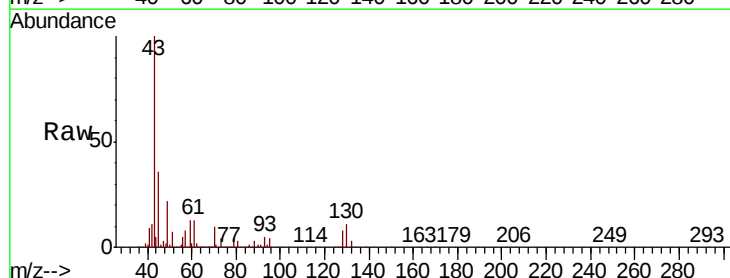
Ion Ratio Lower Upper

43 100

45 40.2 8.2 12.4#

61 13.3 7.4 11.2#

70 9.3 5.4 8.0#

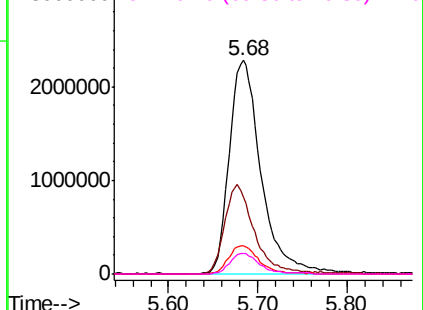


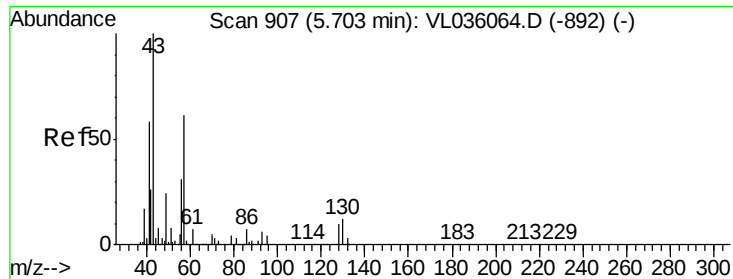
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

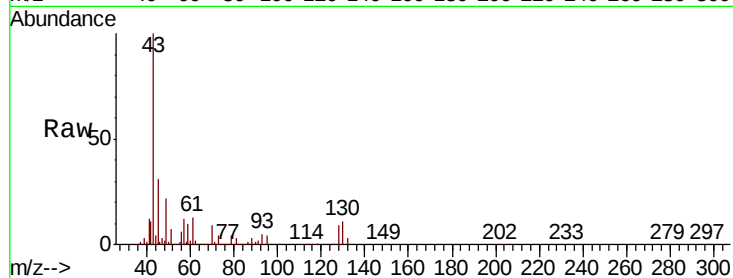




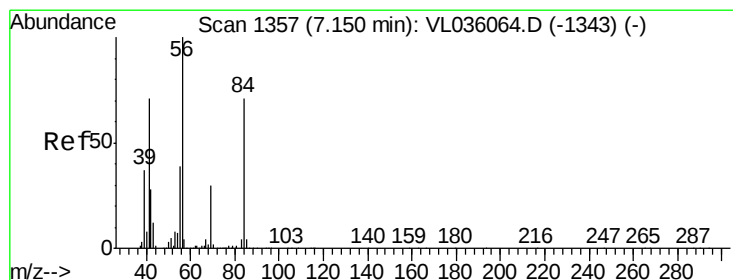
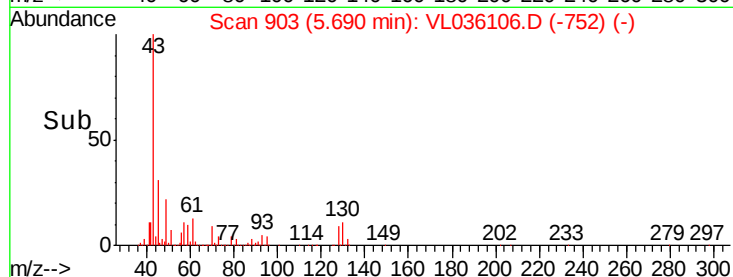
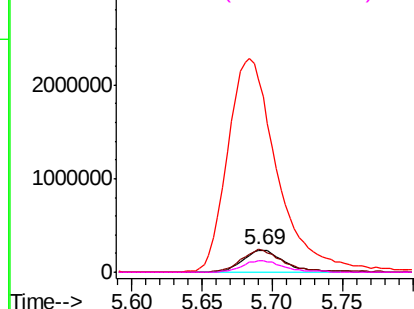
#26
Hexane
Concen: 3.959 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tot Ion: 57 Resp: 480885
Ion Ratio Lower Upper
57 100
41 108.7 82.9 124.3
43 1178.2 199.9 299.9#
56 56.0 43.1 64.7

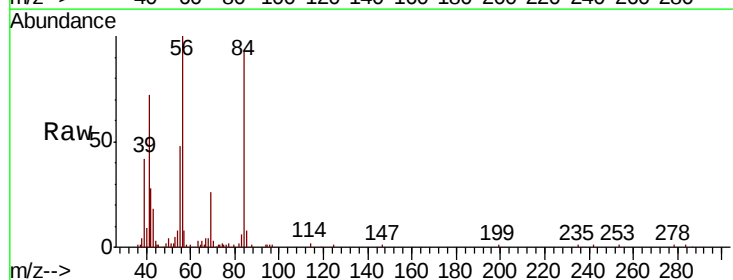


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

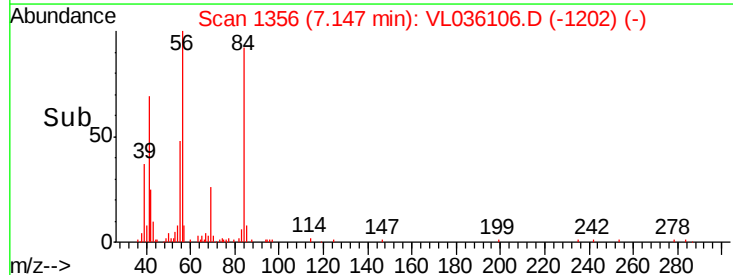
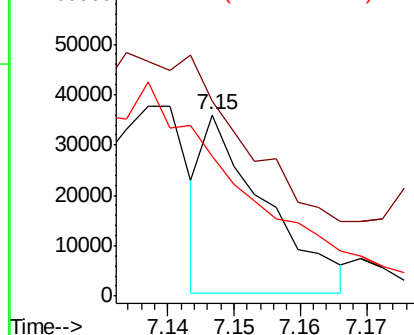


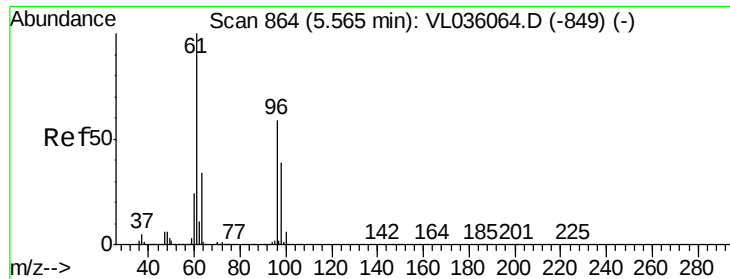
#30
Cyclohexane
Concen: 0.257 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

Tgt Ion: 84 Resp: 22957
Ion Ratio Lower Upper
84 100
56 0.0 128.0 192.0#
41 0.0 81.3 121.9#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0



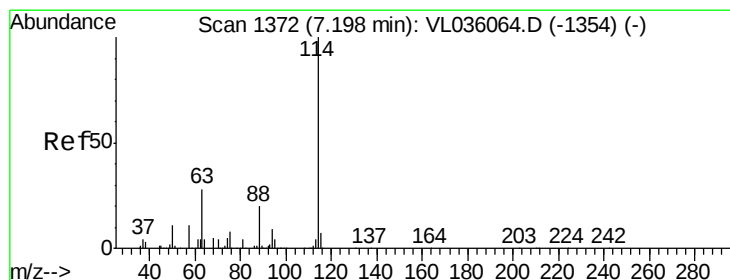
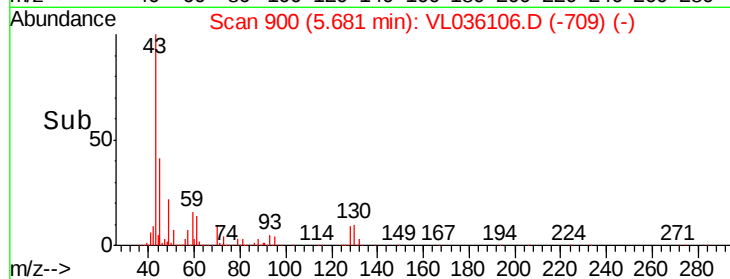
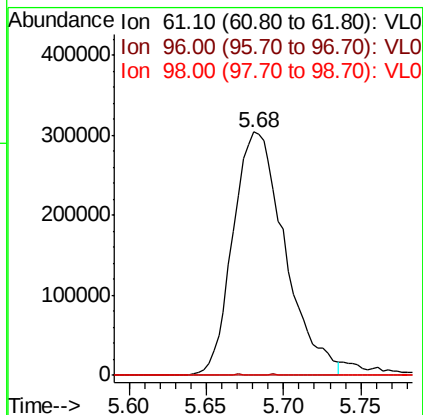
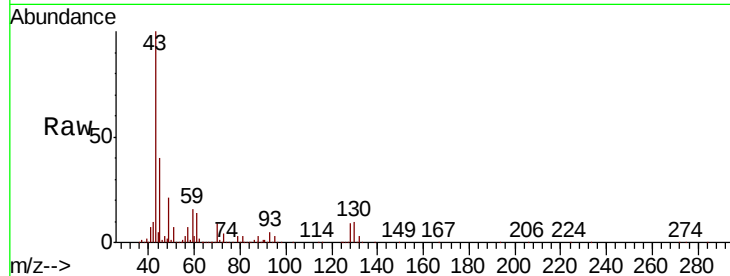


#31

cis-1,2-Dichloroethene
 Concen: 6.408 ppbv
 RT: 5.68 min Scan# 900
 Delta R.T. 0.12 min
 Lab File: VL036106.D
 Acq: 8 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4

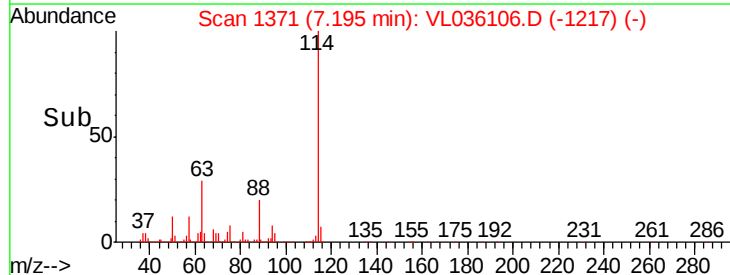
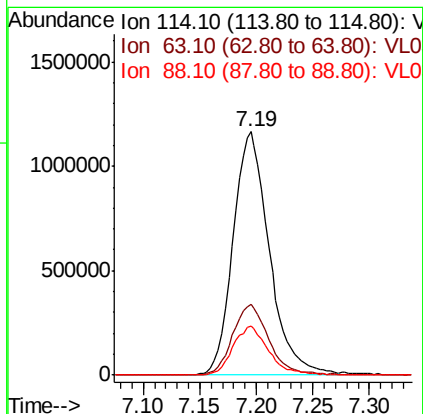
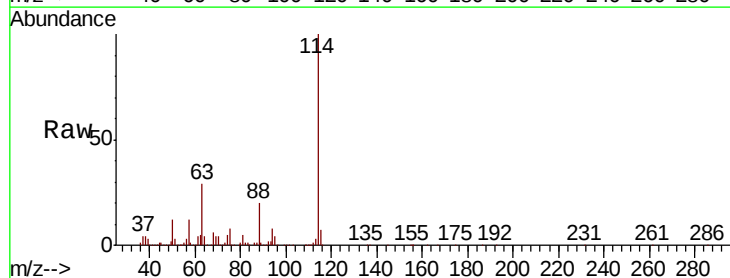
Tot Ion	Ratio	Lower	Upper
61	100		
96	0.3	47.3	70.9#
98	0.1	31.4	47.0#

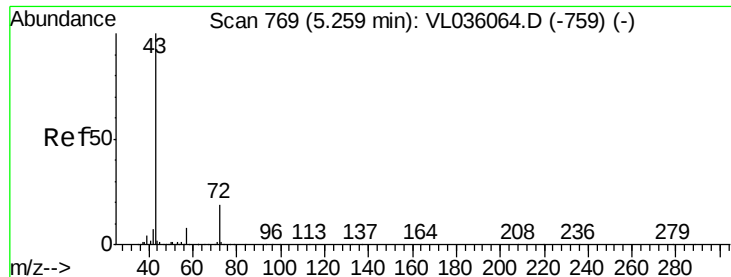


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL036106.D
 Acq: 8 Dec 2020 22:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.2	23.6	35.4
88	20.1	15.8	23.6

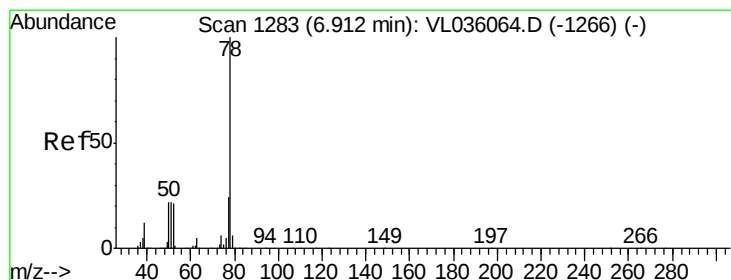
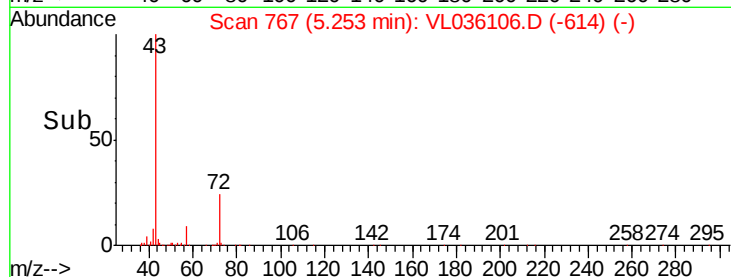
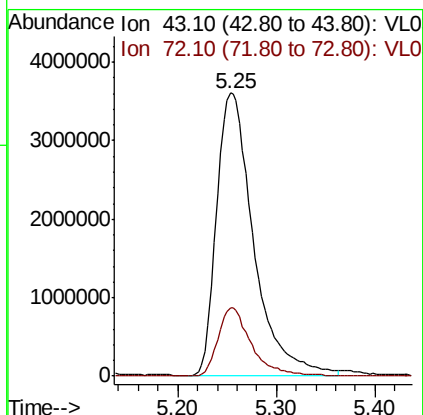
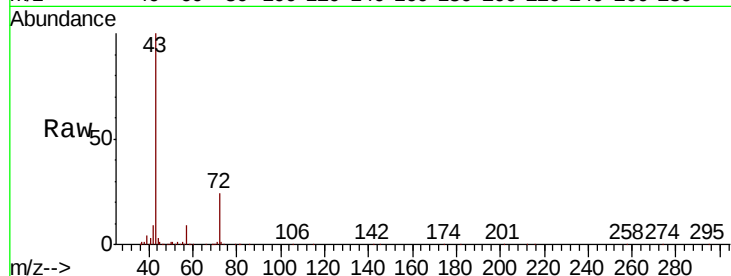




#34
2-Butanone
Concen: 54.906 ppbv
RT: 5.25 min Scan# 767
Delta R.T. -0.01 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

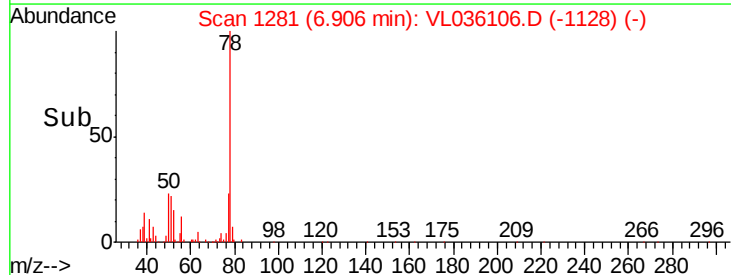
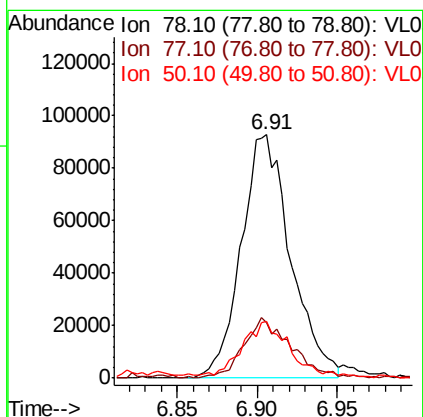
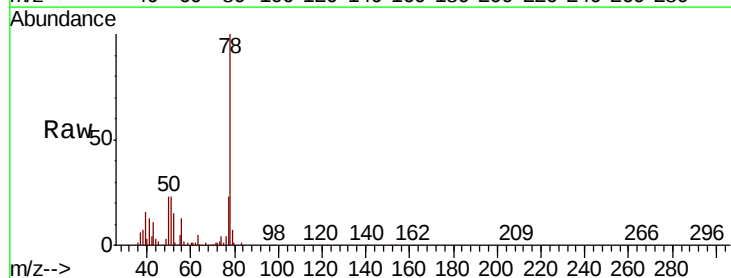
Instrument :
MSVOA_L
ClientSampleId :
IA-4

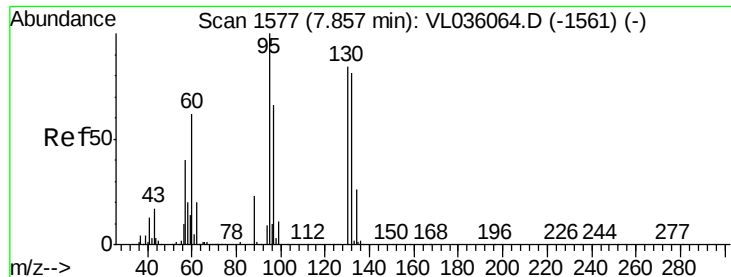
Tot Ion: 43 Resp: 9457066
Ion Ratio Lower Upper
43 100
72 22.2 16.5 24.7



#36
Benzene
Concen: 0.896 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

Tgt Ion: 78 Resp: 197155
Ion Ratio Lower Upper
78 100
77 22.2 19.4 29.2
50 22.0 17.8 26.8

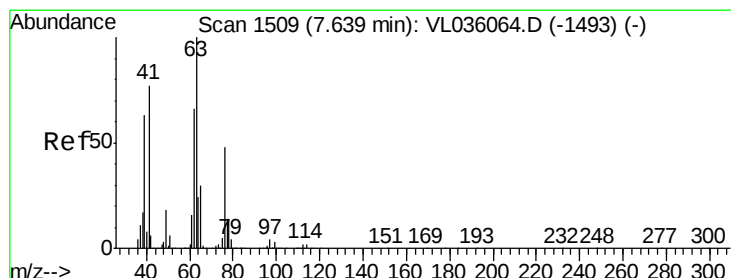
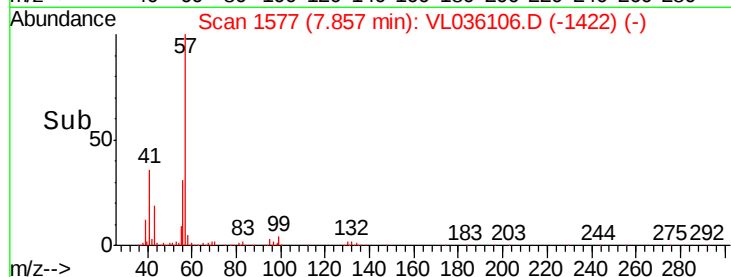
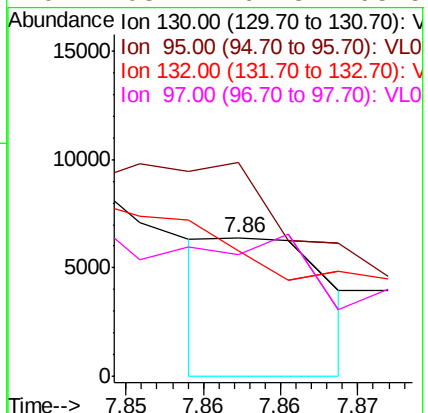
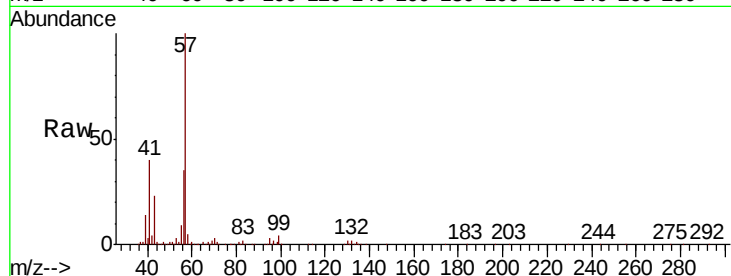




#38
 Trichloroethene
 Concen: 0.039 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VL036106.D
 Acq: 8 Dec 2020 22:27

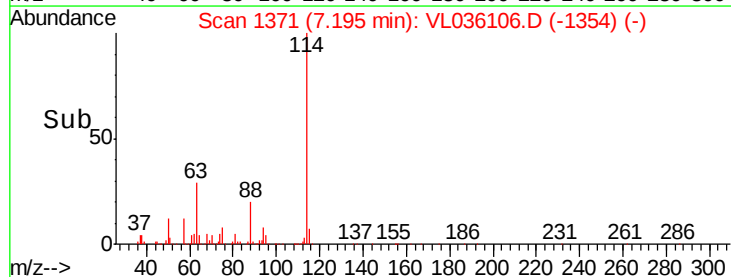
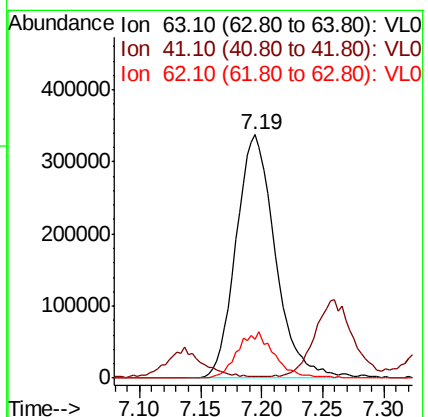
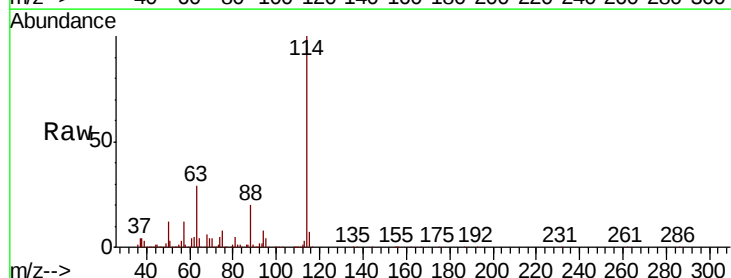
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4

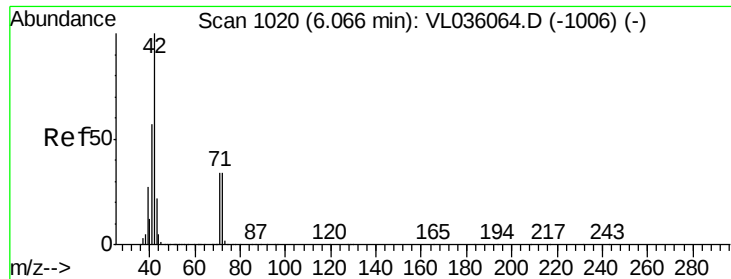
Tot Ion:130 Resp: 3208
 Ion Ratio Lower Upper
 130 100
 95 150.8 95.2 142.8#
 132 37.9 76.9 115.3#
 97 103.4 62.3 93.5#



#39
 1,2-Dichloropropane
 Concen: 8.566 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.44 min
 Lab File: VL036106.D
 Acq: 8 Dec 2020 22:27

Tgt Ion: 63 Resp: 744414
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.9 92.9#
 62 15.6 52.5 78.7#





#41

Tetrahydrofuran

Concen: 16.012 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampled :

IA-4

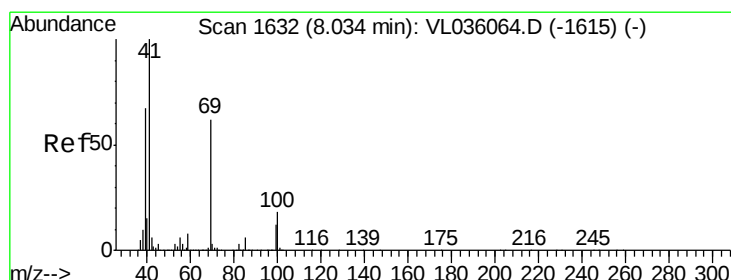
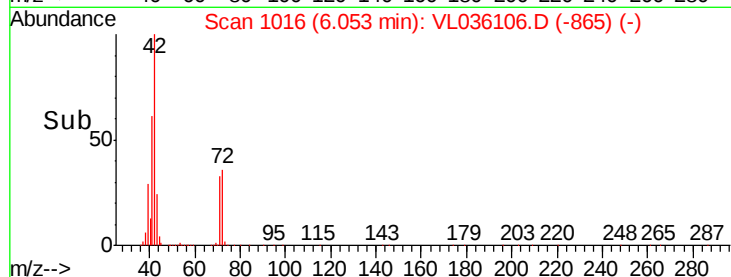
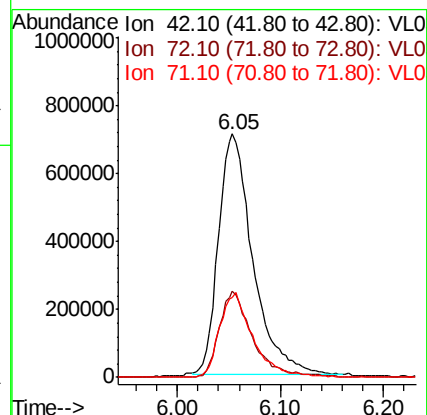
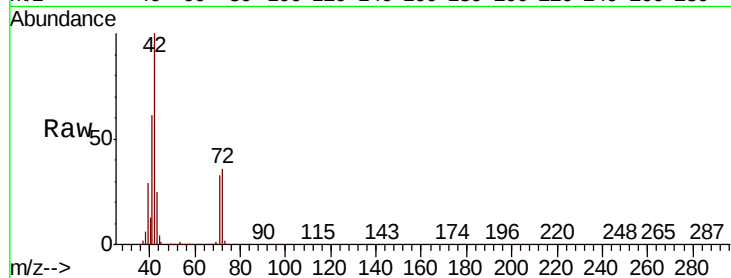
Tot Ion: 42 Resp: 1638389

Ion Ratio Lower Upper

42 100

72 35.2 28.3 42.5

71 34.4 27.3 40.9



#43

Methyl Methacrylate

Concen: 0.082 ppbv

RT: 8.03 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

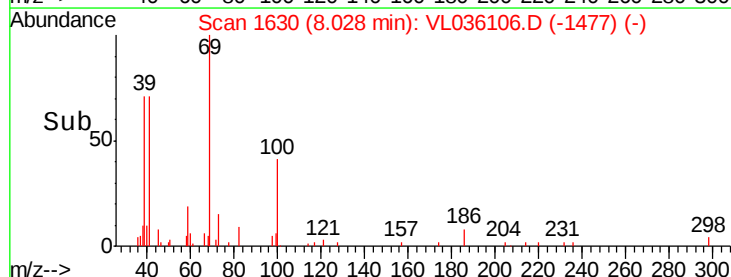
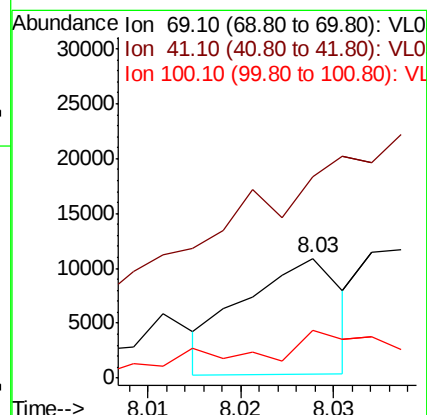
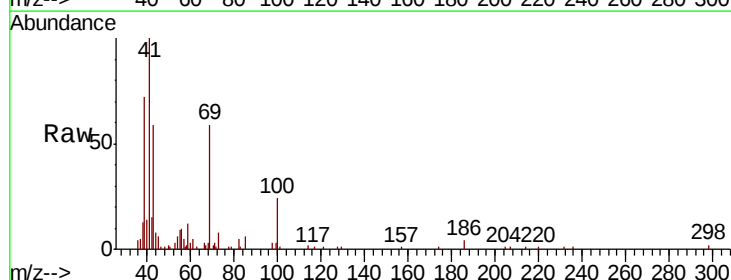
Tgt Ion: 69 Resp: 7779

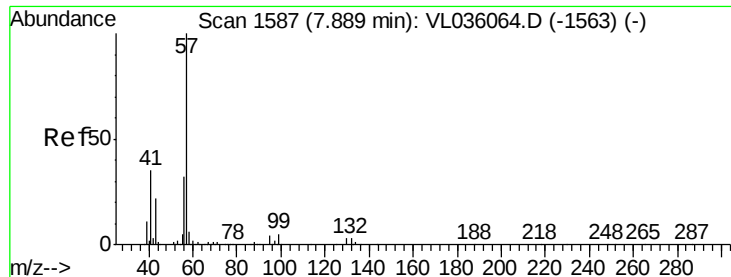
Ion Ratio Lower Upper

69 100

41 0.0 133.0 199.6#

100 95.4 25.4 38.0#

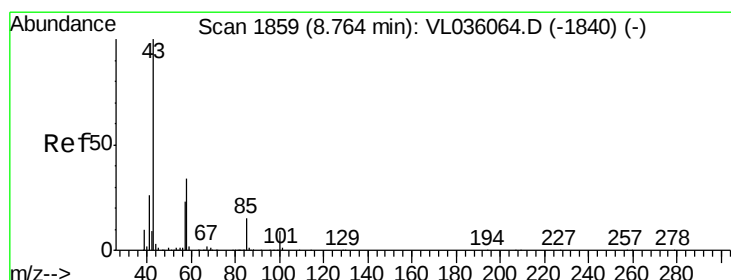
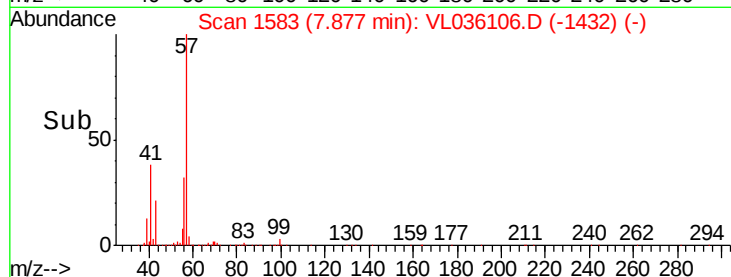
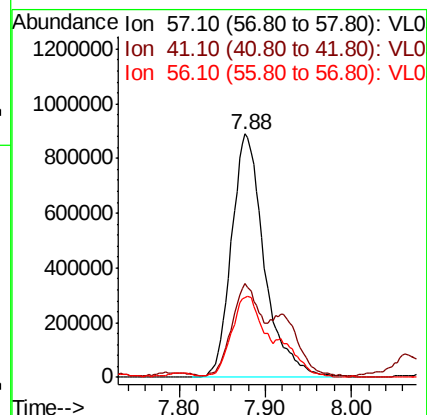
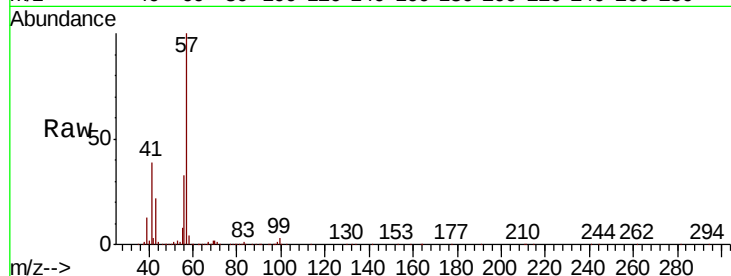




#44
 2,2,4-Trimethylpentane
 Concen: 5.879 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: VL036106.D
 Acq: 8 Dec 2020 22:27

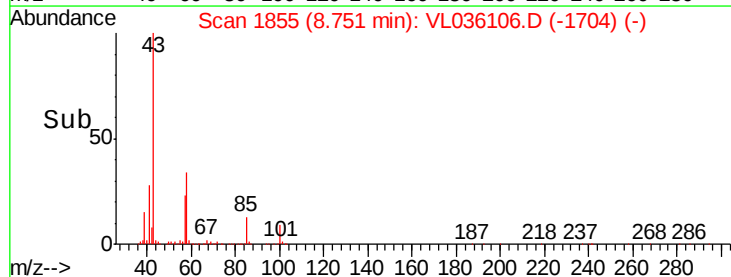
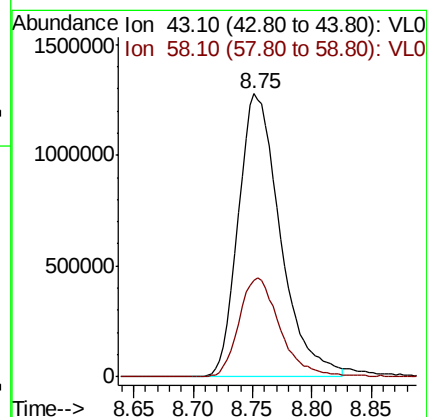
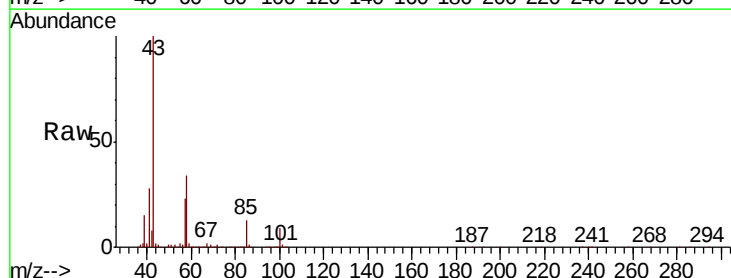
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4

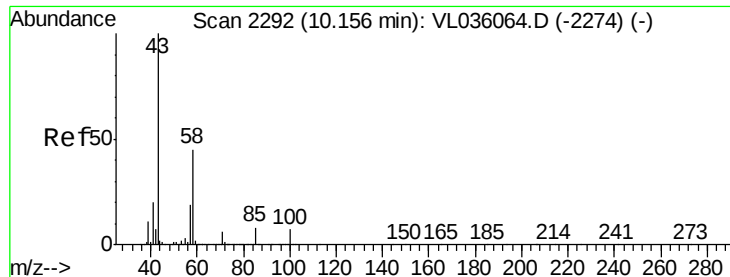
Tot Ion: 57 Resp: 2342790
 Ion Ratio Lower Upper
 57 100
 41 56.8 28.9 43.3#
 56 43.0 25.3 37.9#



#50
 4-Methyl-2-Pentanone
 Concen: 12.160 ppbv
 RT: 8.75 min Scan# 1855
 Delta R.T. -0.01 min
 Lab File: VL036106.D
 Acq: 8 Dec 2020 22:27

Tgt Ion: 43 Resp: 3123605
 Ion Ratio Lower Upper
 43 100
 58 34.7 27.4 41.2

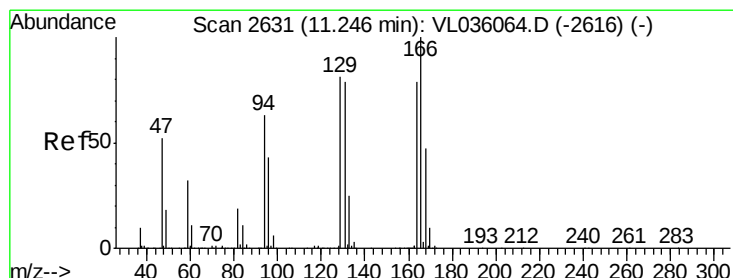
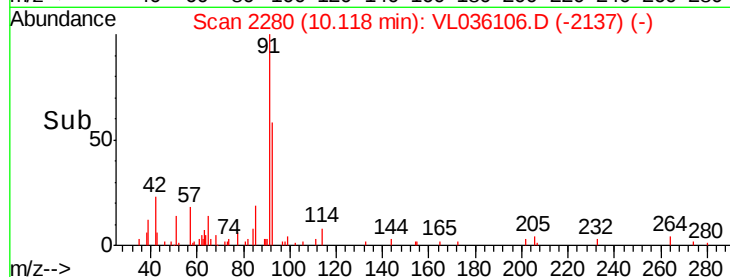
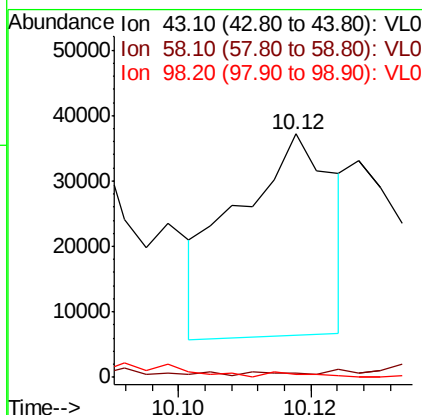
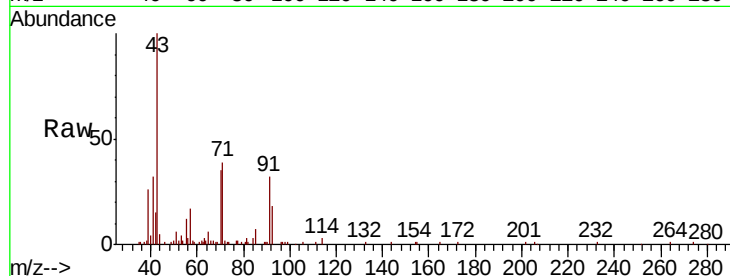




#51
2-Hexanone
Concen: 0.156 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. -0.04 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

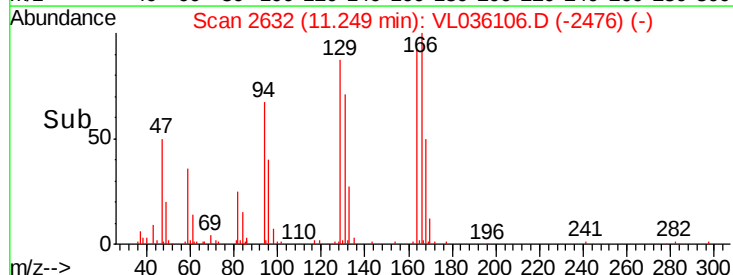
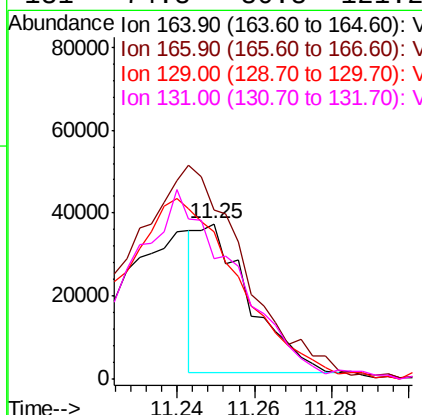
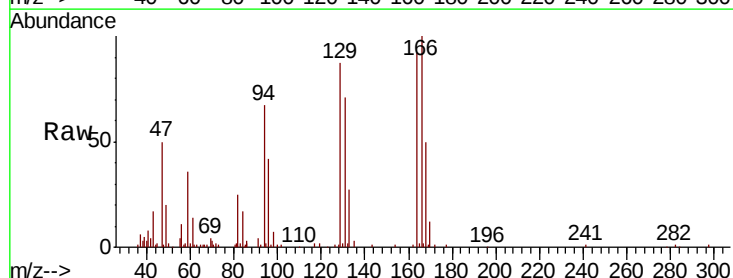
Instrument :
MSVOA_L
ClientSampled :
IA-4

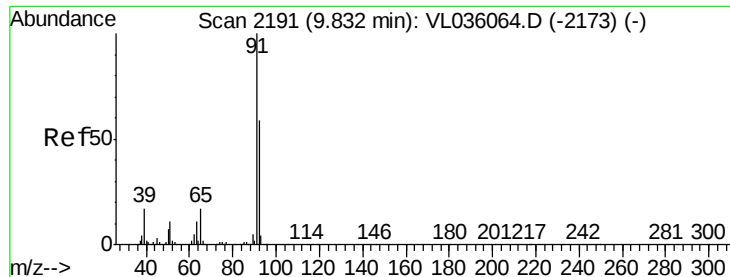
Tot Ion: 43 Resp: 31353
Ion Ratio Lower Upper
43 100
58 28.9 38.7 58.1#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.423 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

Tgt Ion: 164 Resp: 33663
Ion Ratio Lower Upper
164 100
166 107.3 101.9 152.9
129 95.2 82.1 123.1
131 74.8 80.8 121.2#





#53

Toluene

Concen: 84.514 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

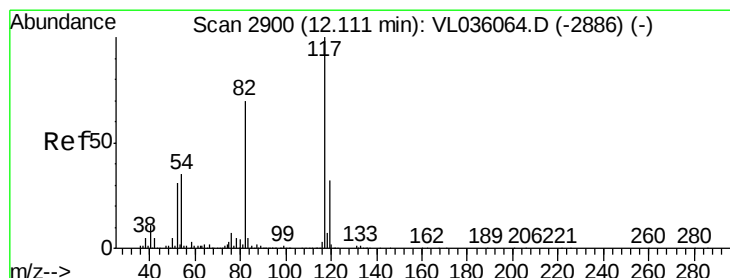
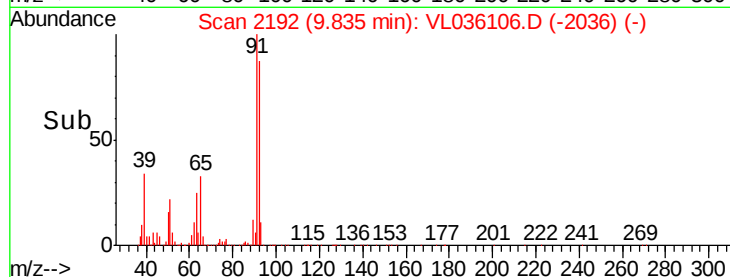
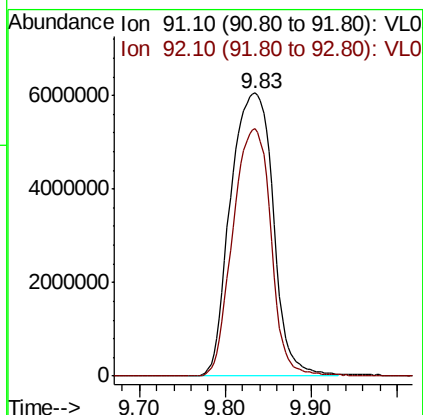
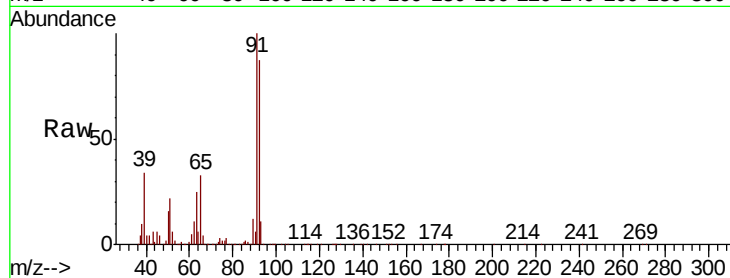
IA-4

Tot Ion: 91 Resp: 20883730

Ion Ratio Lower Upper

91 100

92 78.3 48.2 72.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

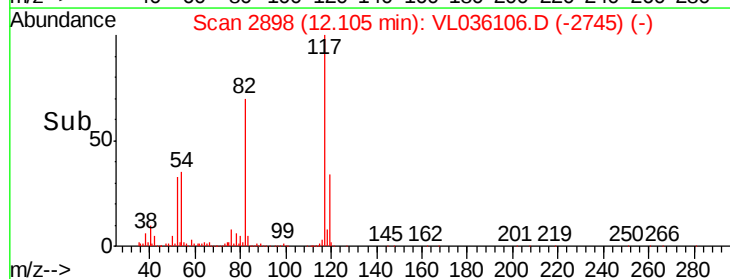
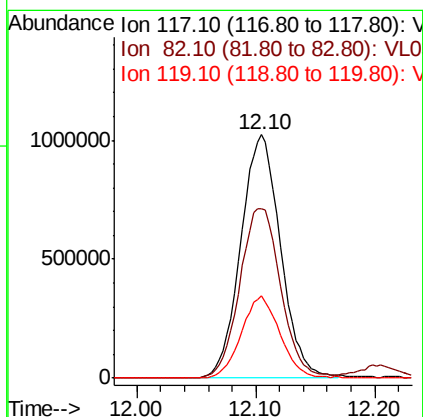
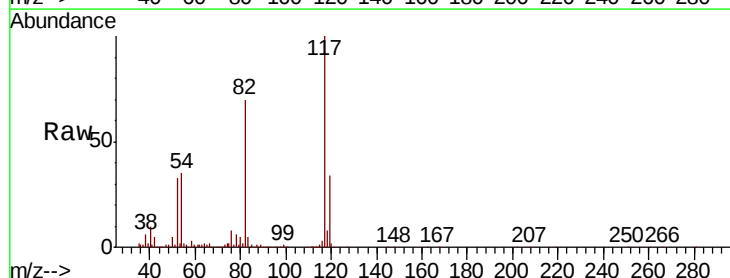
Tgt Ion: 117 Resp: 2368583

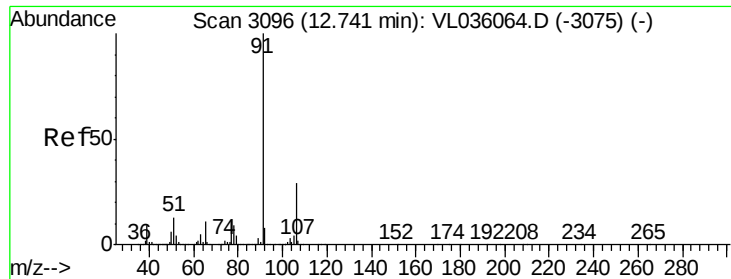
Ion Ratio Lower Upper

117 100

82 72.3 0.0 0.0#

119 33.0 0.0 0.0#





#58

Ethyl Benzene

Concen: 9.179 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.01 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleID :

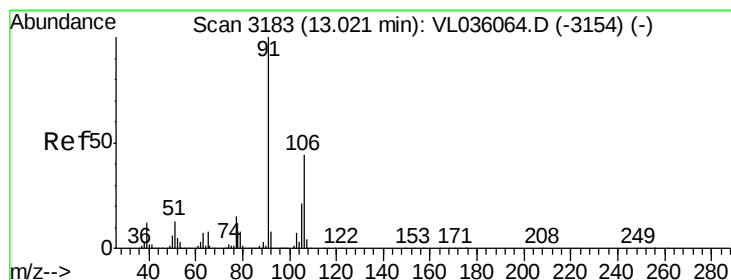
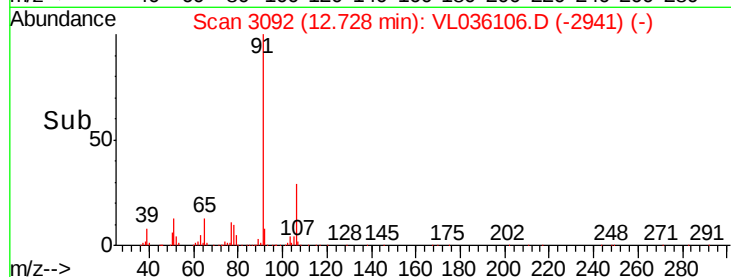
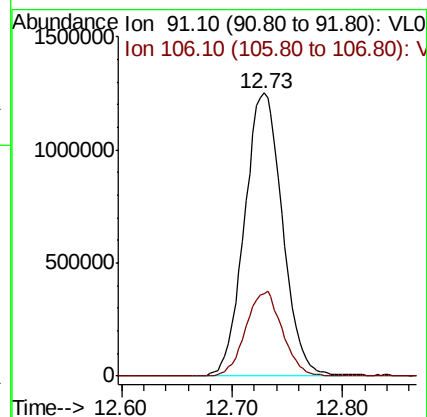
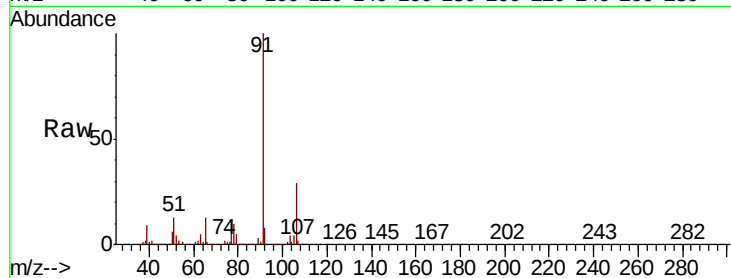
IA-4

Tot Ion: 91 Resp: 2979532

Ion Ratio Lower Upper

91 100

106 29.2 23.0 34.4



#59

m/p-Xylene

Concen: 30.992 ppbv

RT: 12.99 min Scan# 3173

Delta R.T. -0.03 min

Lab File: VL036106.D

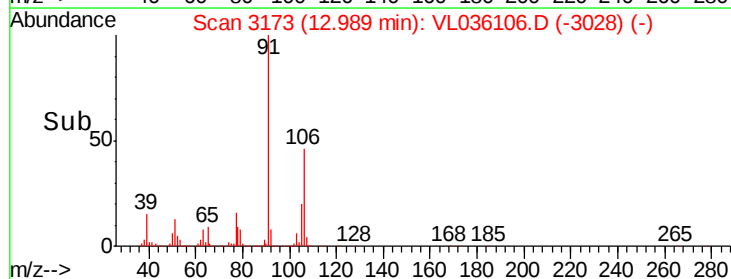
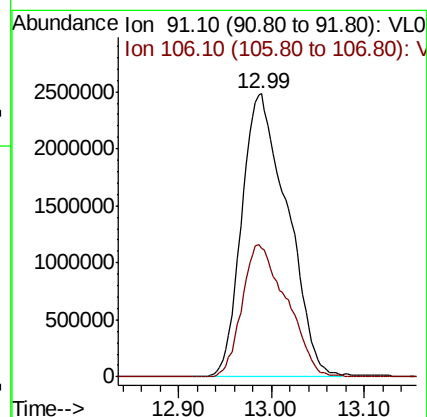
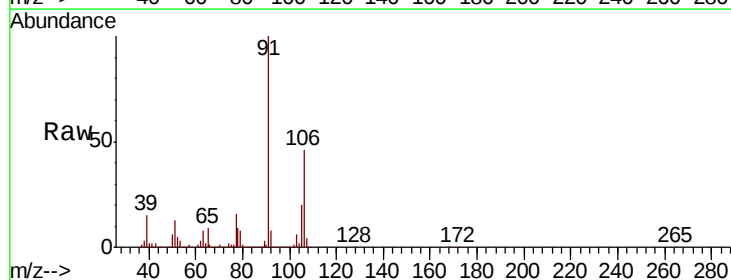
Acq: 8 Dec 2020 22:27

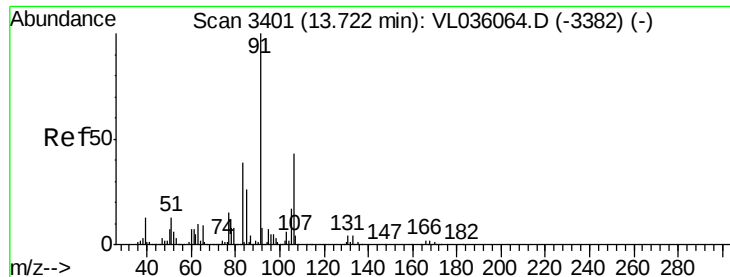
Tgt Ion: 91 Resp: 8473115

Ion Ratio Lower Upper

91 100

106 46.0 33.6 50.4





#60

o-Xylene

Concen: 12.232 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. -0.01 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

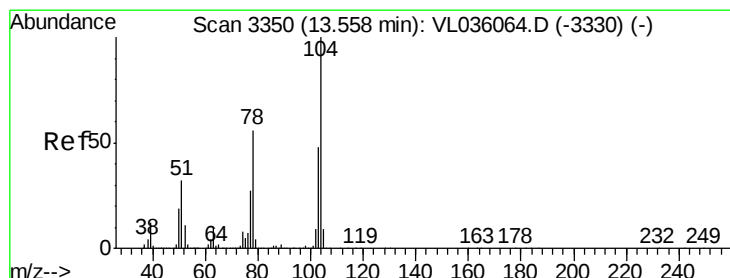
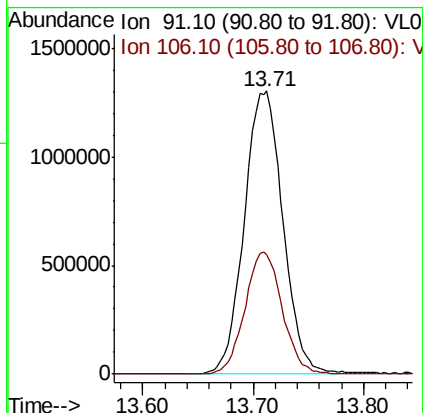
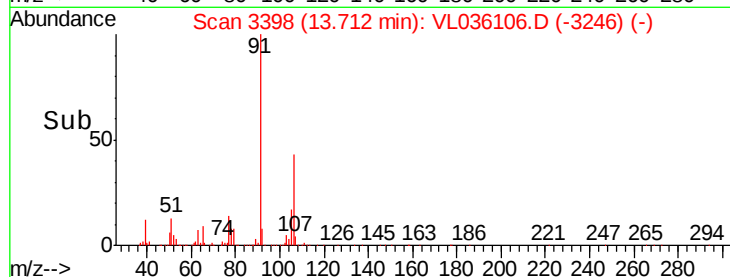
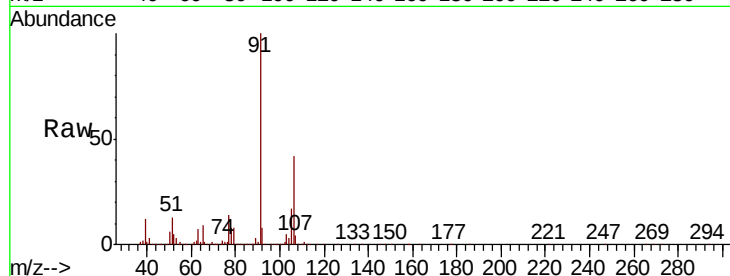
IA-4

Tot Ion: 91 Resp: 3150755

Ion Ratio Lower Upper

91 100

106 42.0 21.6 64.6



#61

Styrene

Concen: 0.524 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. -0.01 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

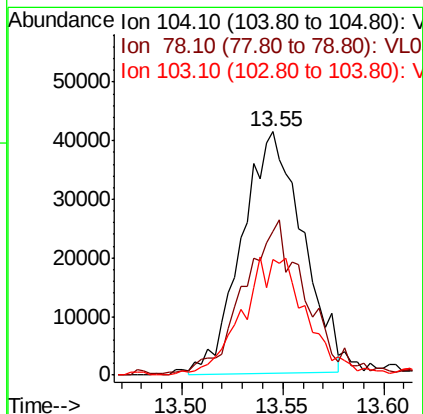
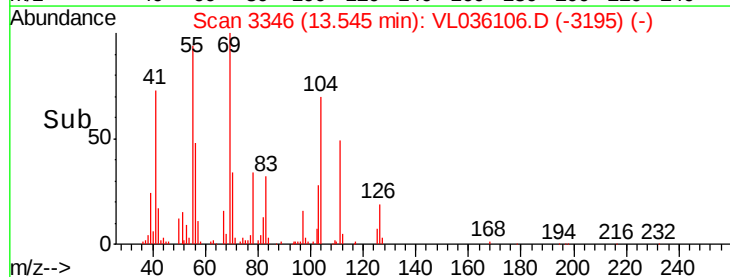
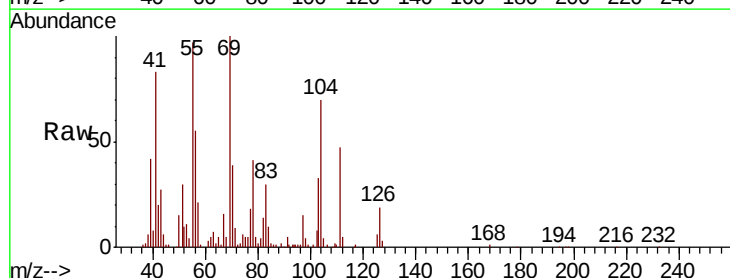
Tgt Ion: 104 Resp: 86633

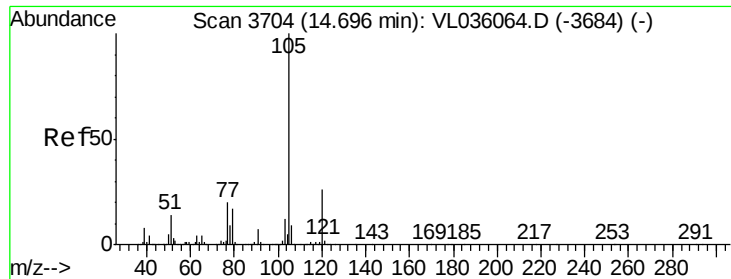
Ion Ratio Lower Upper

104 100

78 68.0 45.8 68.8

103 52.8 38.6 57.8





#62

Isopropylbenzene

Concen: 0.224 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.01 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampled :

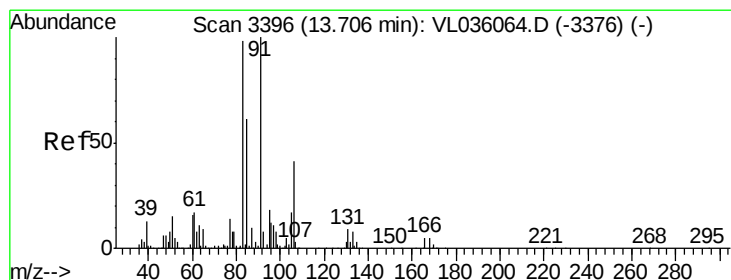
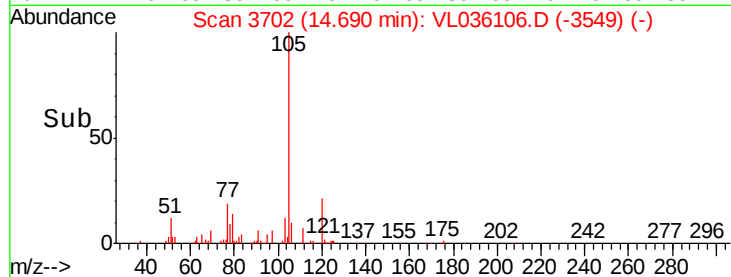
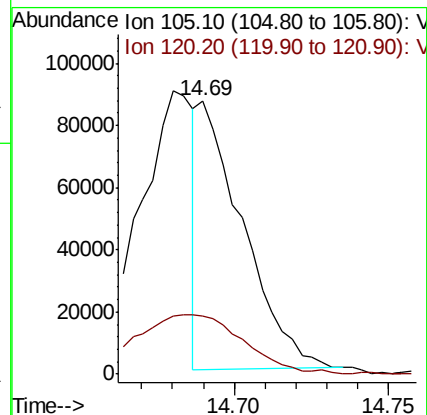
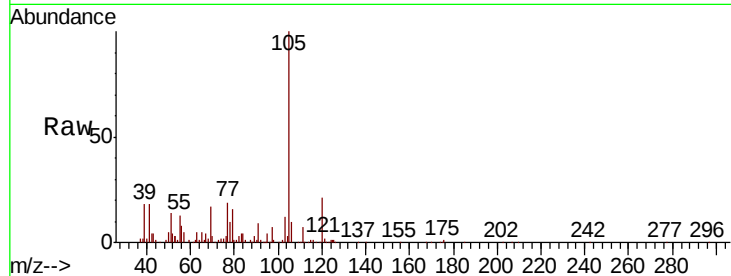
IA-4

Tot Ion:105 Resp: 85411

Ion Ratio Lower Upper

105 100

120 55.9 20.1 30.1#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.031 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

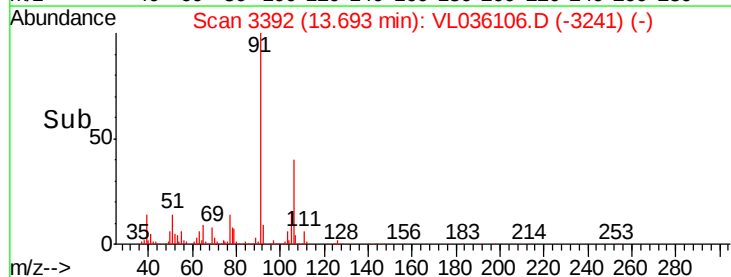
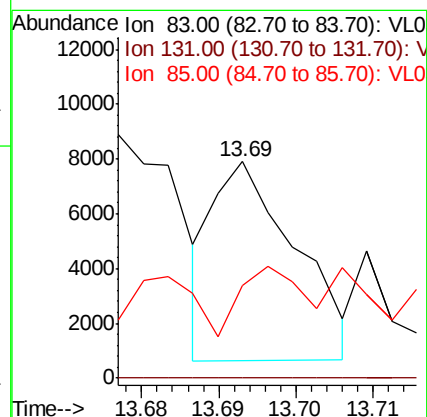
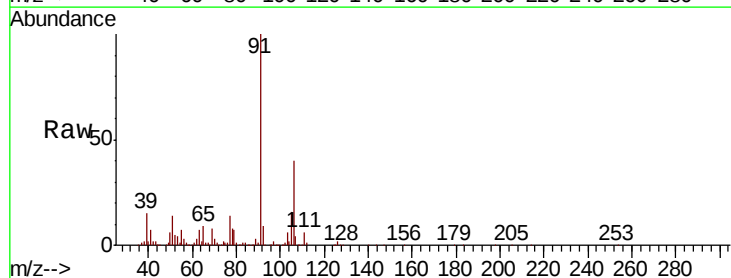
Tgt Ion: 83 Resp: 5407

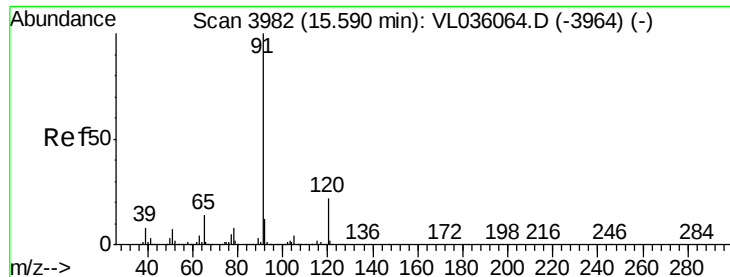
Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

85 0.0 32.5 97.5#





#64

n-propylbenzene

Concen: 1.041 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampled :

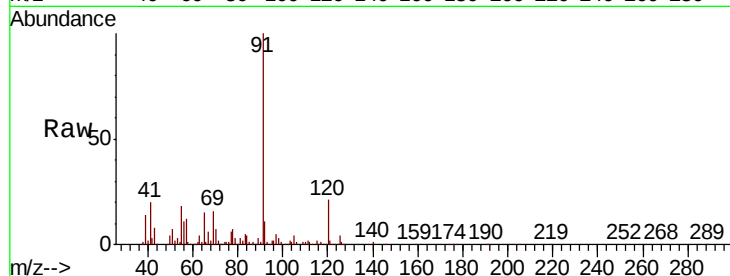
IA-4

Tot Ion:120 Resp: 95653

Ion Ratio Lower Upper

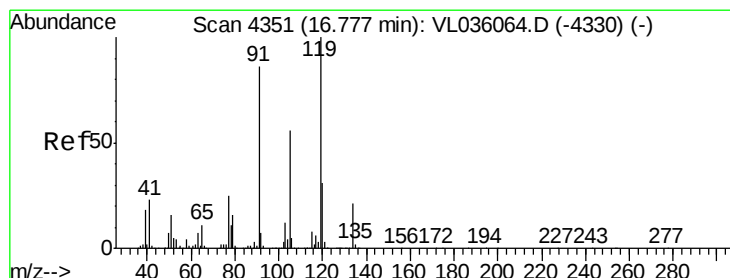
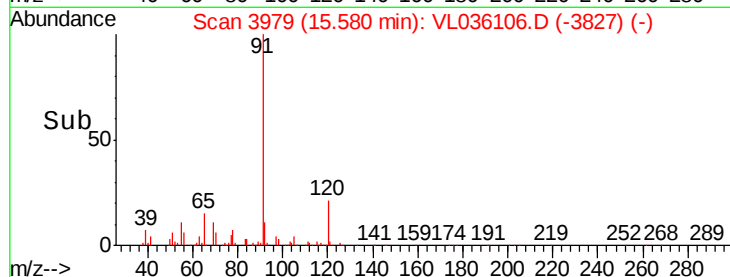
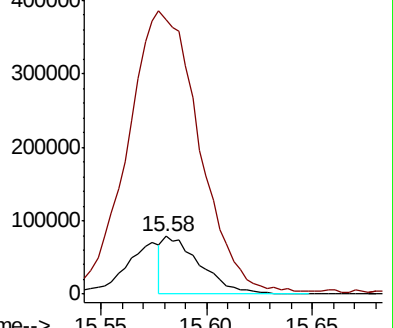
120 100

91 945.3 388.9 583.3#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.656 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

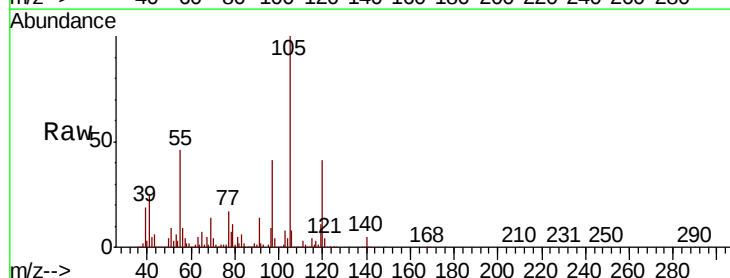
Tgt Ion:119 Resp: 205010

Ion Ratio Lower Upper

119 100

91 130.7 70.2 105.2#

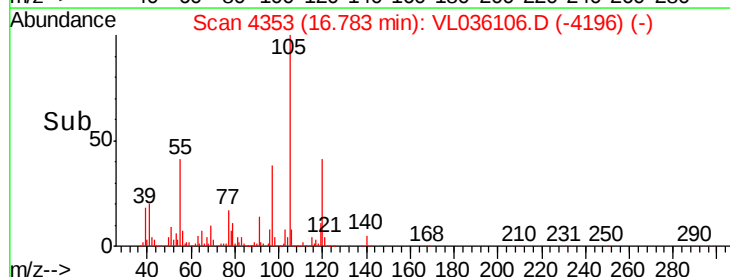
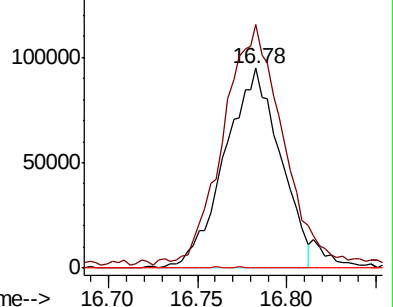
134 0.3 15.8 23.6#

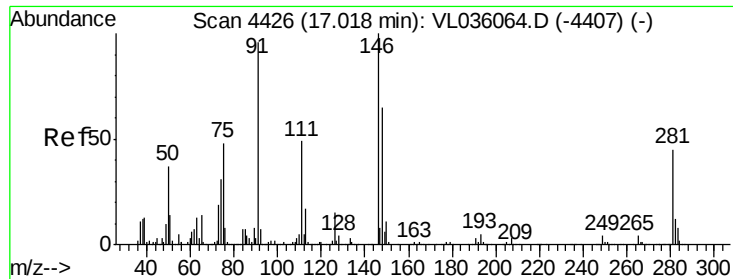


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#66

Benzyl Chloride

Concen: 0.499 ppbv

RT: 17.23 min Scan# 4491

Delta R.T. 0.21 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

IA-4

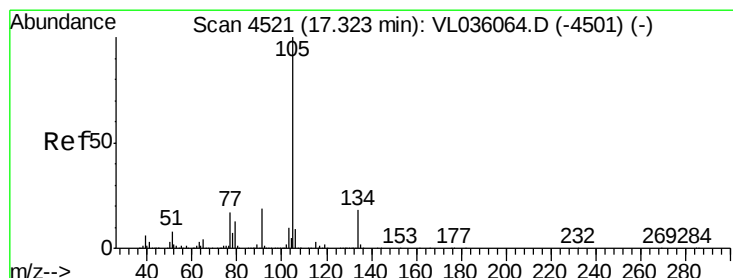
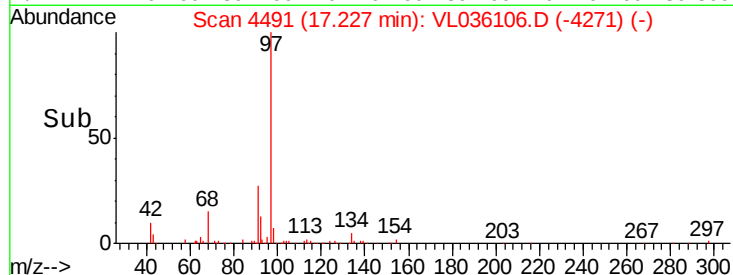
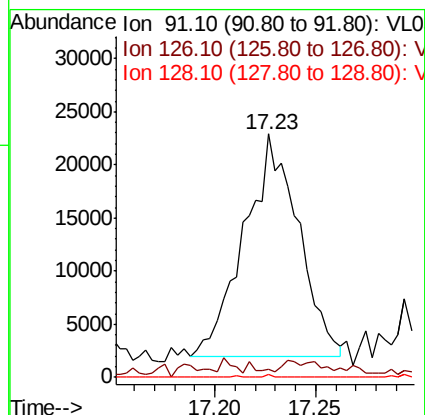
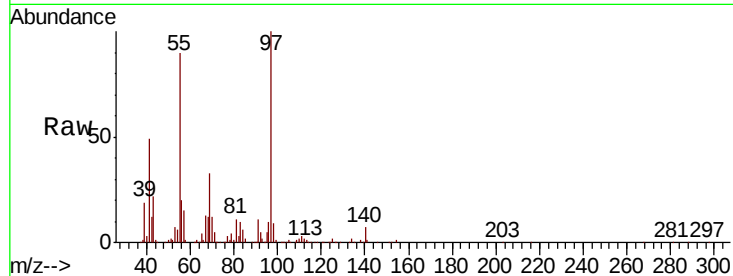
Tot Ion: 91 Resp: 38804

Ion Ratio Lower Upper

91 100

126 7.0 13.5 20.3#

128 0.0 4.4 6.6#



#67

sec-Butylbenzene

Concen: 0.137 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. -0.01 min

Lab File: VL036106.D

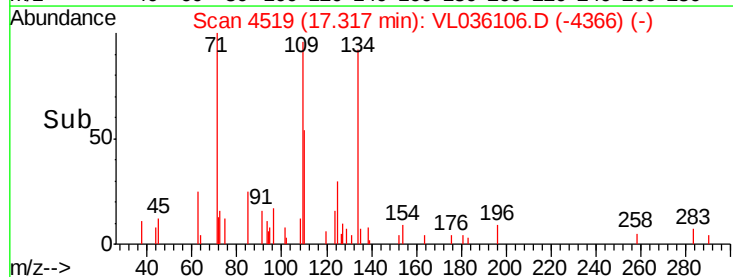
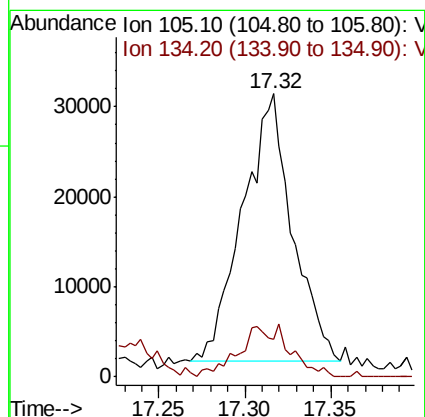
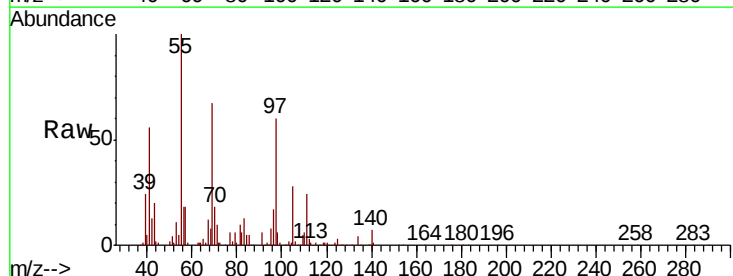
Acq: 8 Dec 2020 22:27

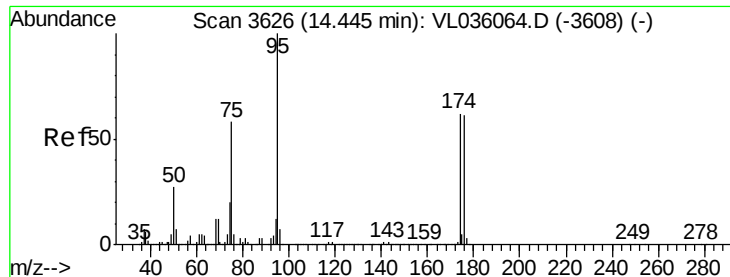
Tgt Ion: 105 Resp: 59972

Ion Ratio Lower Upper

105 100

134 19.7 14.2 21.4

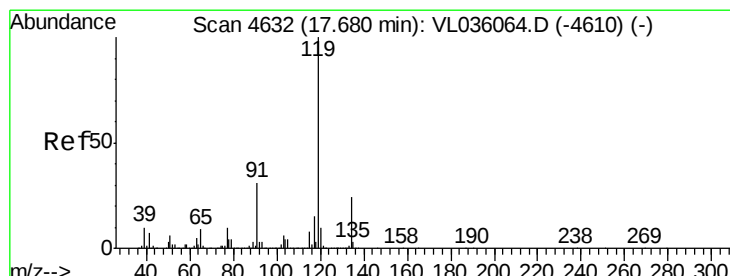
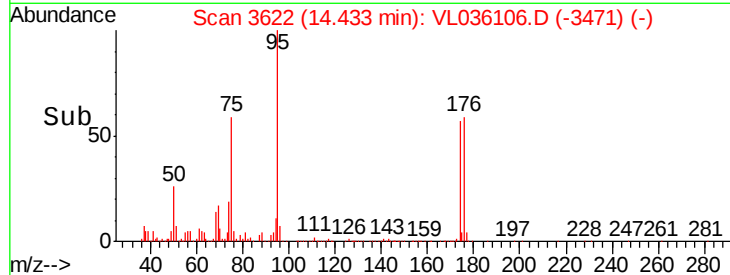
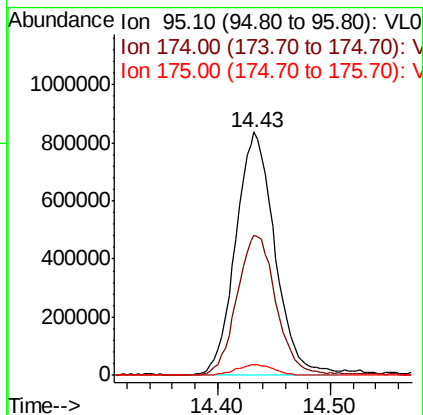
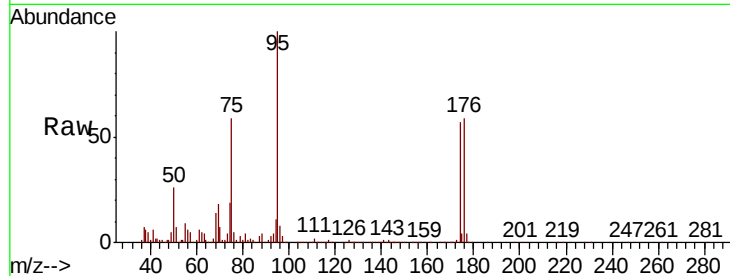




#68
1-Bromo-4-Fluorobenzene
Concen: 10.682 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

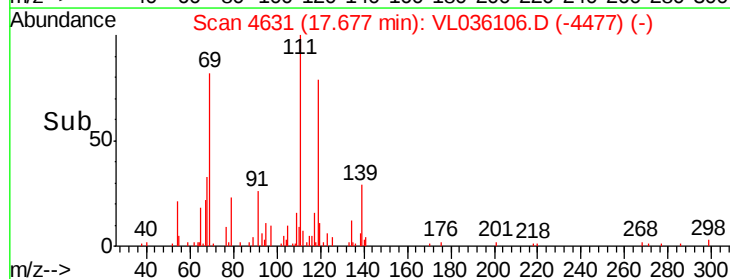
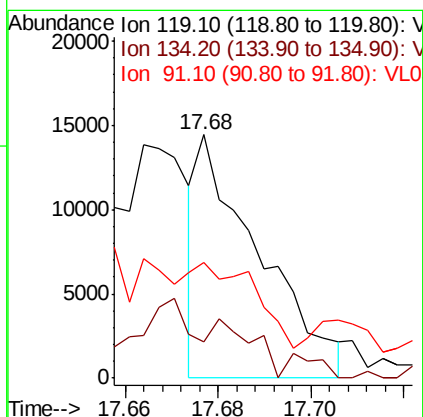
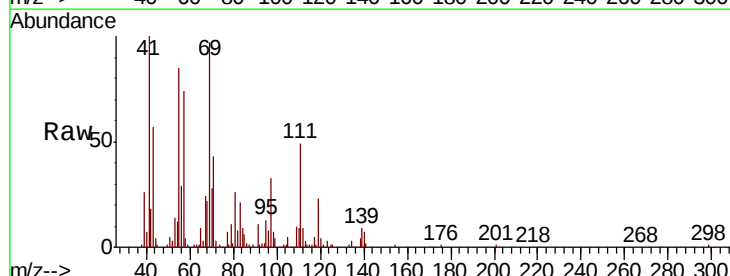
Instrument :
MSVOA_L
ClientSampleId :
IA-4

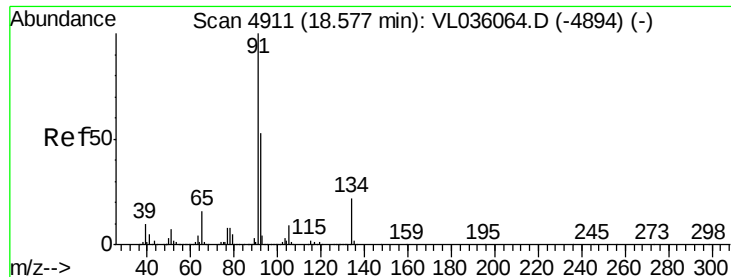
Tot Ion: 95 Resp: 2008955
Ion Ratio Lower Upper
95 100
174 58.2 50.7 76.1
175 4.4 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.038 ppbv
RT: 17.68 min Scan# 4631
Delta R.T. -0.00 min
Lab File: VL036106.D
Acq: 8 Dec 2020 22:27

Tgt Ion: 119 Resp: 13348
Ion Ratio Lower Upper
119 100
134 61.1 19.8 29.6#
91 0.0 25.8 38.6#





#70

n-Butylbenzene

Concen: 0.107 ppbv

RT: 18.57 min Scan# 4910

Delta R.T. -0.00 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampled :

IA-4

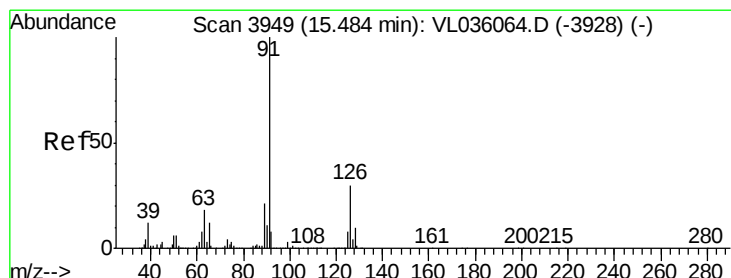
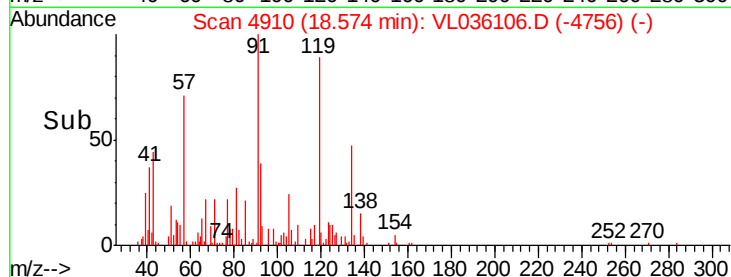
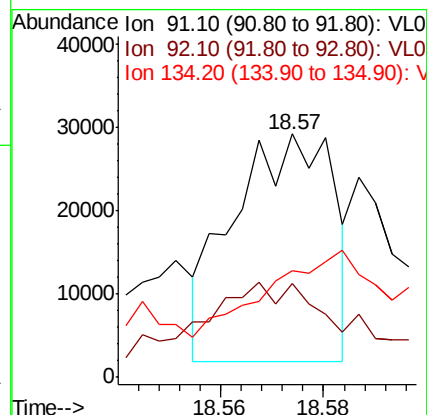
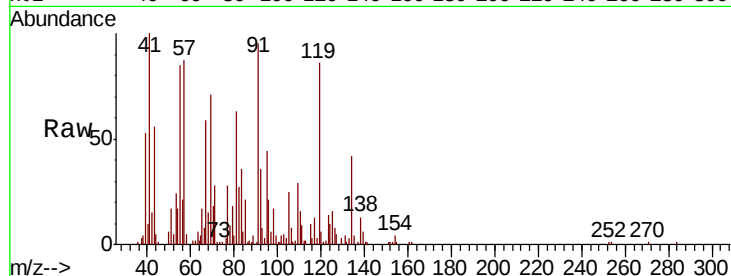
Tot Ion: 91 Resp: 36716

Ion Ratio Lower Upper

91 100

92 78.8 43.3 64.9#

134 0.0 17.1 25.7#



#71

2-Chlorotoluene

Concen: 3.104 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. 0.09 min

Lab File: VL036106.D

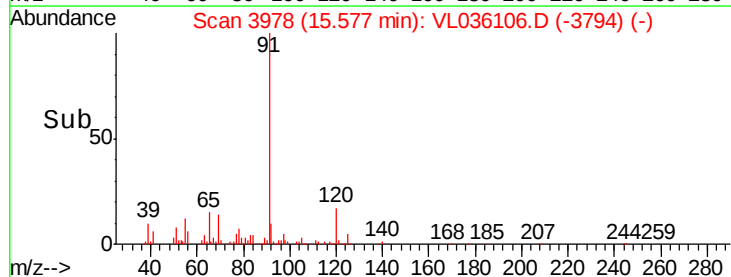
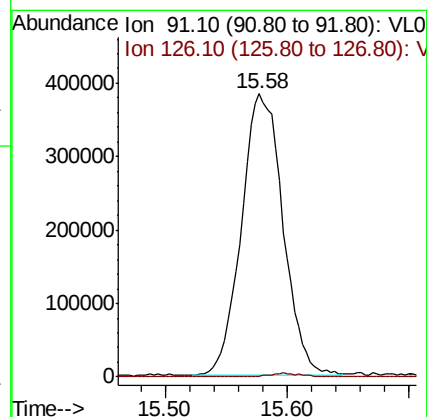
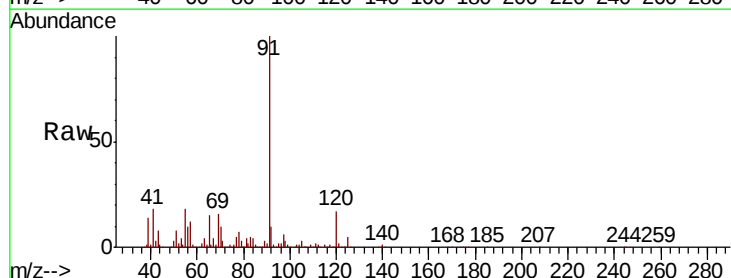
Acq: 8 Dec 2020 22:27

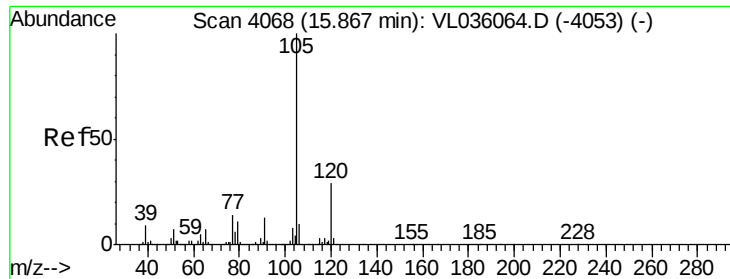
Tgt Ion: 91 Resp: 895938

Ion Ratio Lower Upper

91 100

126 1.3 11.6 46.4#





#72

4-Ethyltoluene

Concen: 3.462 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. -0.01 min

Lab File: VL036106.D

Acq: 8 Dec 2020 22:27

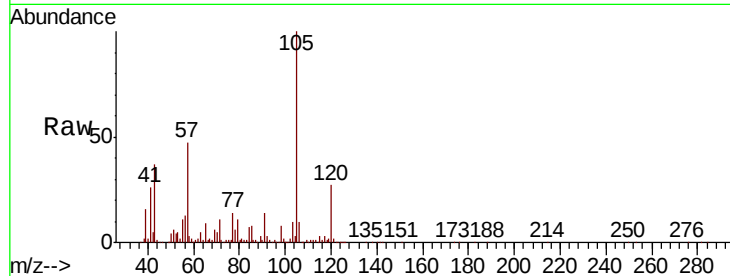
Instrument :

MSVOA_L

ClientSampleId :

IA-4

Tot Ion:	105	Resp:	966083
Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.6	35.4
91	13.9	11.4	17.0
77	14.4	12.1	18.1

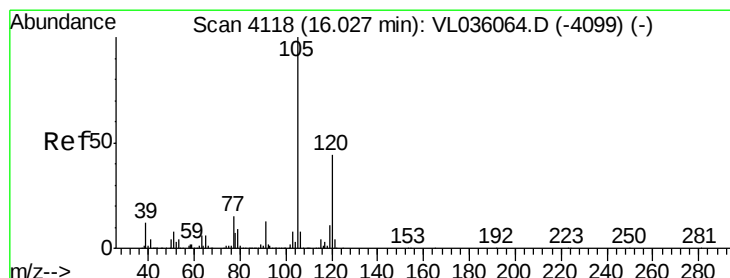
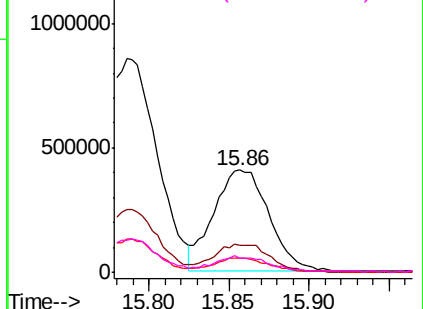
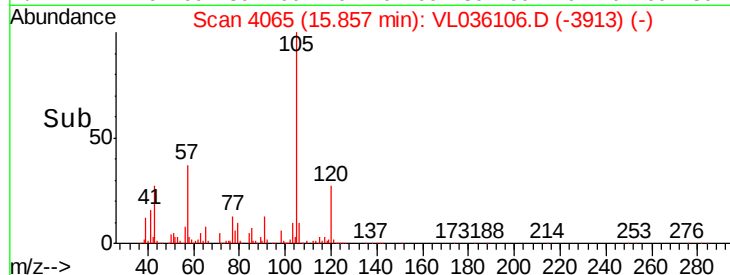


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 3.190 ppbv

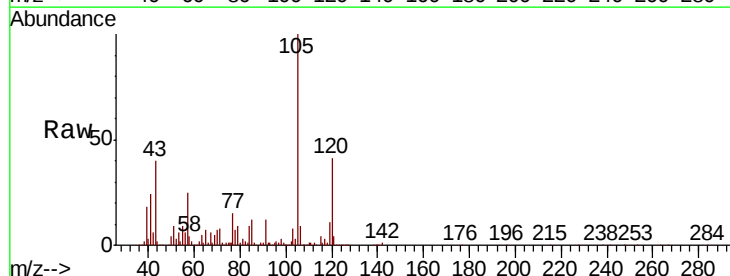
RT: 16.01 min Scan# 4114

Delta R.T. -0.01 min

Lab File: VL036106.D

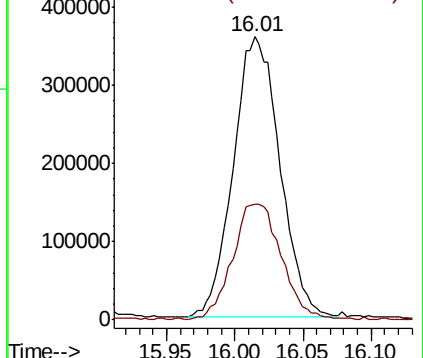
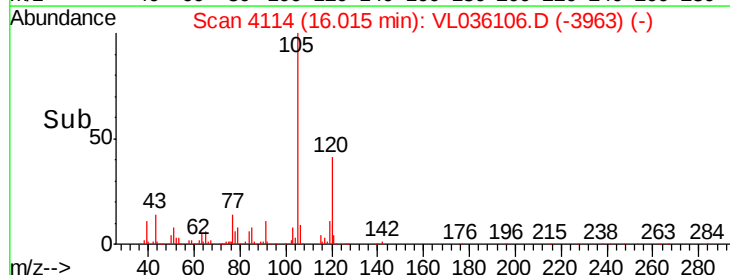
Acq: 8 Dec 2020 22:27

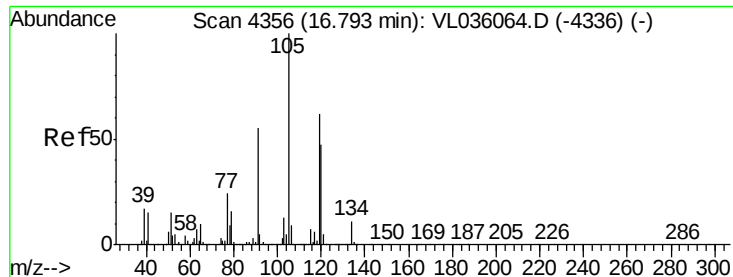
Tgt Ion:	105	Resp:	849983
Ion	Ratio	Lower	Upper
105	100		
120	41.1	35.4	53.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

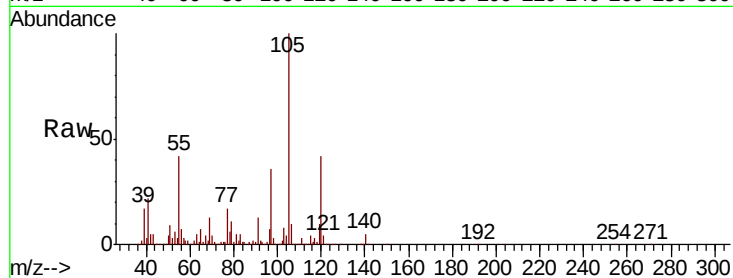




#74
 1,2,4-Trimethylbenzene
 Concen: 7.546 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL036106.D
 Acq: 8 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4

Tot Ion:	105	Resp:	2018477
Ion	Ratio	Lower	Upper
105	100		
120	41.7	37.4	56.0
91	12.3	45.6	68.4#
77	17.0	19.4	29.2#



Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

