

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035577.D
 Acq On : 9 Sep 2020 7:51
 Operator : SY/AP
 Sample : L3898-09
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8

Quant Time: Sep 09 08:35:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1064438	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	4361532	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	4362795	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3289666	10.62	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	116223	0.630	ppbv 93
3) Chlorodifluoromethane	2.95	51	454089	3.857	ppbv # 73
4) Chloromethane	3.12	50	30044	0.476	ppbv 97
9) Propene	3.00	41	78672	1.733	ppbv # 71
10) Heptane	8.10	43	8050	0.066	ppbv # 18
11) Trichlorofluoromethane	3.93	101	2196506	8.165	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	7231	0.036	ppbv # 11
13) Ethanol	3.59	45	770890	68.506	ppbv 97
15) Acetone	3.83	43	6878883	58.595	ppbv # 84
16) 1,3-Butadiene	3.29	39	11913	0.273	ppbv # 20
17) tert-Butyl alcohol	4.29	59	329804	2.308	ppbv # 90
19) Isopropyl Alcohol	3.96	45	534720	7.635	ppbv # 93
20) Methylene Chloride	4.33	84	234153	2.678	ppbv 98
21) Allyl Chloride	4.35	41	2767	0.050	ppbv # 19
23) Vinyl Acetate	5.05	43	61093	0.405	ppbv # 46
25) Ethyl Acetate	5.67	43	152315	0.734	ppbv # 92
26) Hexane	5.67	57	141918	1.208	ppbv # 69
27) Carbon Disulfide	4.54	76	13627	0.081	ppbv # 75
29) Chloroform	5.74	83	212866	0.889	ppbv 97
30) Cyclohexane	7.12	84	18174	0.144	ppbv # 84
32) 1,1,1-Trichloroethane	6.50	97	11243	0.048	ppbv 94
34) 2-Butanone	5.23	43	127575	0.986	ppbv 96
35) Carbon Tetrachloride	7.01	117	14731	0.067	ppbv # 90
36) Benzene	6.88	78	71956	0.255	ppbv 98
37) 1,2-Dichloroethane	6.30	62	17782	0.132	ppbv # 92
39) 1,2-Dichloropropane	7.17	63	816222	8.558	ppbv # 32
41) Tetrahydrofuran	6.05	42	2329	0.034	ppbv # 1
44) 2,2,4-Trimethylpentane	7.86	57	75768	0.204	ppbv # 88
50) 4-Methyl-2-Pentanone	8.74	43	20441	0.109	ppbv 96
52) Tetrachloroethene	11.21	164	24596	0.149	ppbv 95
53) Toluene	9.80	91	632887	1.783	ppbv 96
58) Ethyl Benzene	12.71	91	94930	0.211	ppbv # 84
59) m/p-Xylene	12.96	91	323721	0.861	ppbv 96
60) o-Xylene	13.69	91	126800	0.335	ppbv 95
61) Styrene	13.52	104	28909	0.100	ppbv 95
64) n-propylbenzene	15.56	120	14033	0.076	ppbv # 37
69) p-Isopropyltoluene	17.65	119	95360	0.144	ppbv 97
71) 2-Chlorotoluene	15.55	91	31917	0.072	ppbv # 38
72) 4-Ethyltoluene	15.84	105	91890	0.191	ppbv # 95
73) 1,3,5-Trimethylbenzene	16.00	105	186622	0.419	ppbv 94
74) 1,2,4-Trimethylbenzene	16.76	105	581454	1.189	ppbv # 70

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,3-Dichlorobenzene	17.13	146	142328	0.393	ppbv	97
76) 1,4-Dichlorobenzene	17.13	146	142328	0.398	ppbv	96
79) Naphthalene	22.21	128	1539723	2.838	ppbv	95
80) Naphthalene,2-methyl-	24.98	142	75140	0.406	ppbv	99

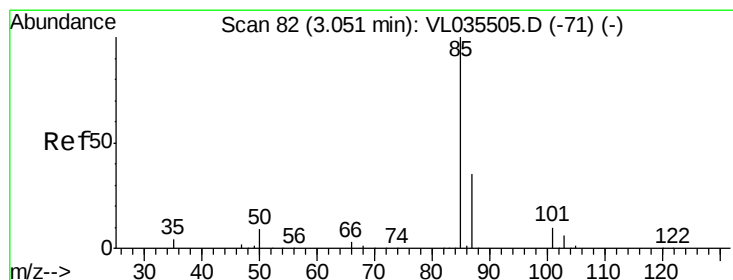
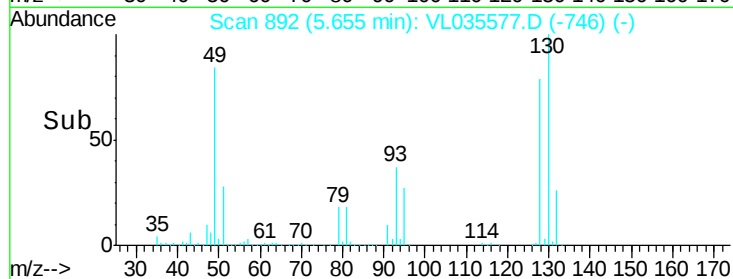
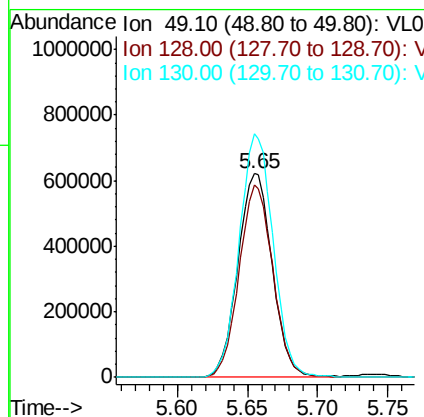
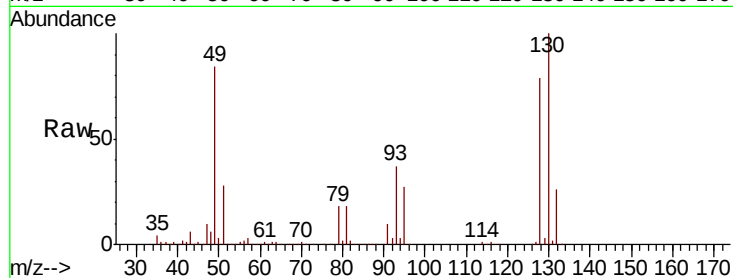
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. -0.03 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

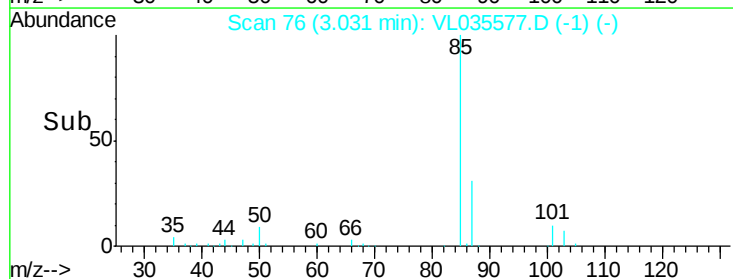
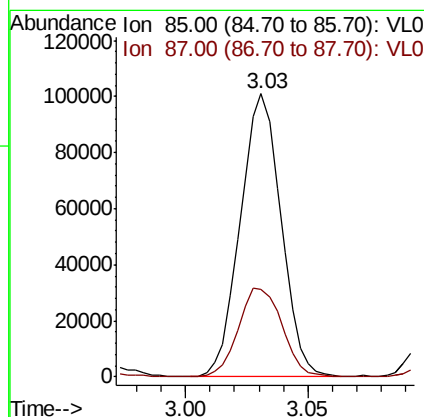
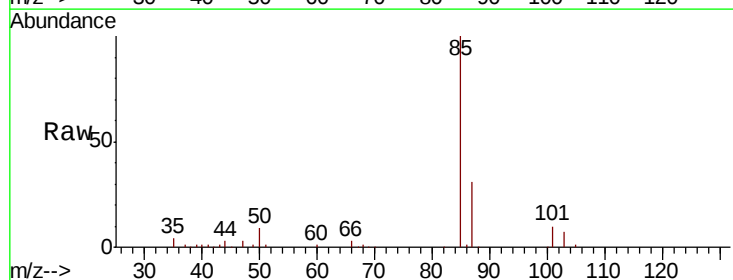
Instrument :
 MSVOA_L
 ClientSampled :
 SS-8

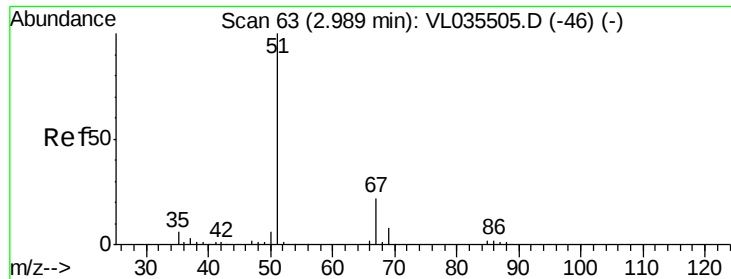
Tot Ion: 49 Resp: 1064438
 Ion Ratio Lower Upper
 49 100
 128 93.1 50.0 150.1
 130 118.8 64.4 193.2



#2
 Dichlorodifluoromethane
 Concen: 0.630 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T. -0.02 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

Tgt Ion: 85 Resp: 116223
 Ion Ratio Lower Upper
 85 100
 87 31.0 28.0 42.0





#3

Chlorodifluoromethane

Concen: 3.857 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.04 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

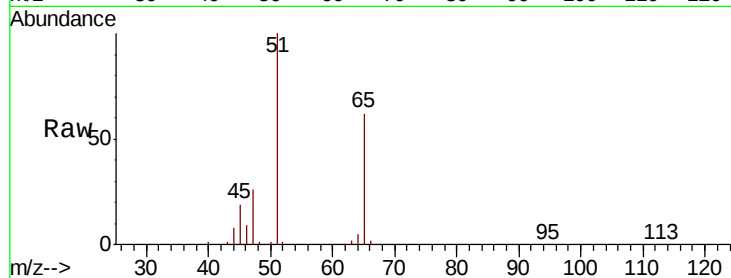
SS-8

Tot Ion: 51 Resp: 454089

Ion Ratio Lower Upper

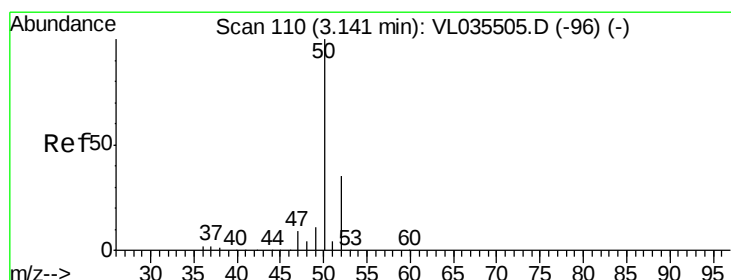
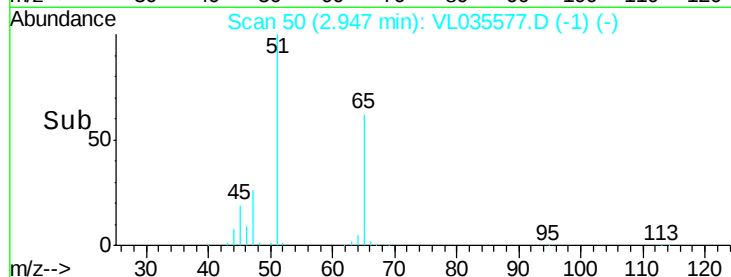
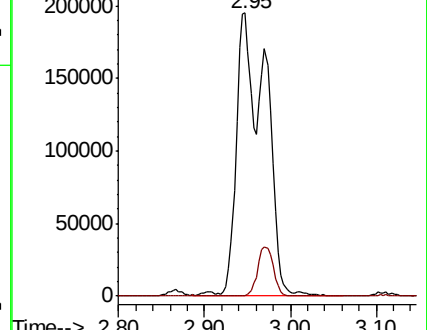
51 100

67 9.6 17.8 26.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.476 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL035577.D

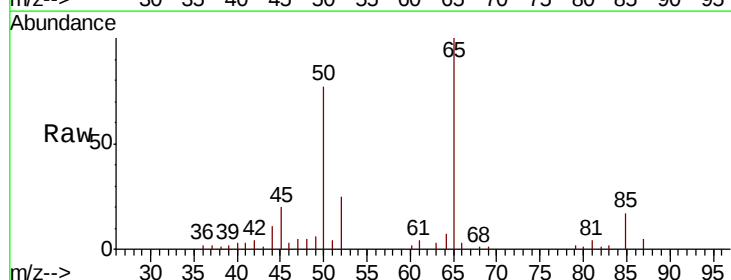
Acq: 9 Sep 2020 7:51

Tgt Ion: 50 Resp: 30044

Ion Ratio Lower Upper

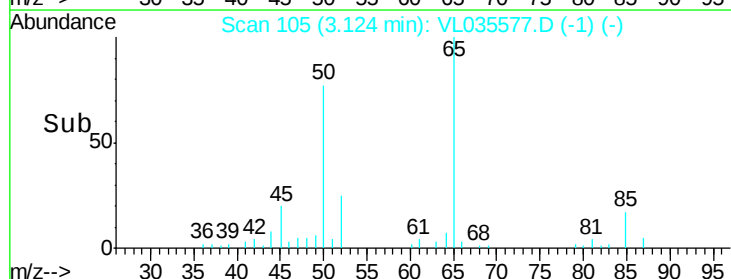
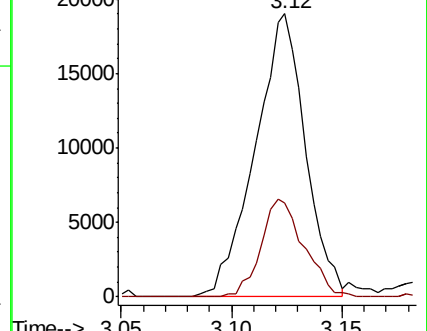
50 100

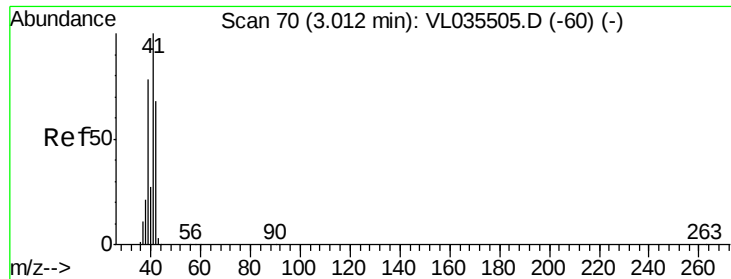
52 33.1 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.733 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

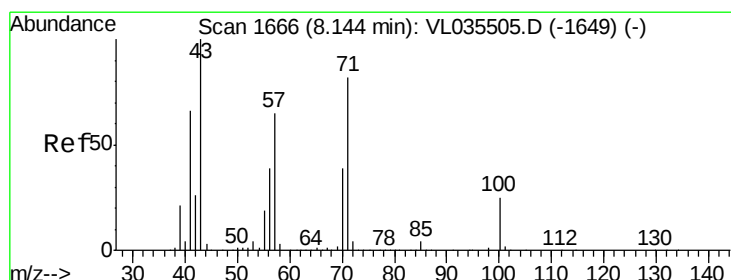
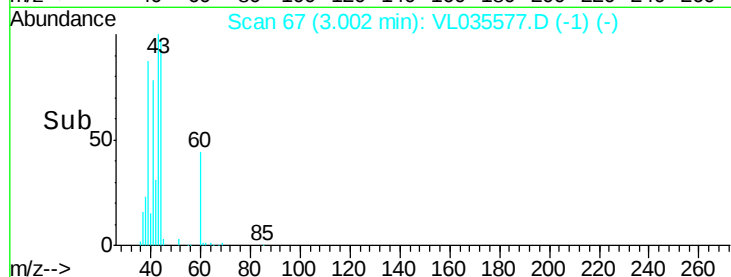
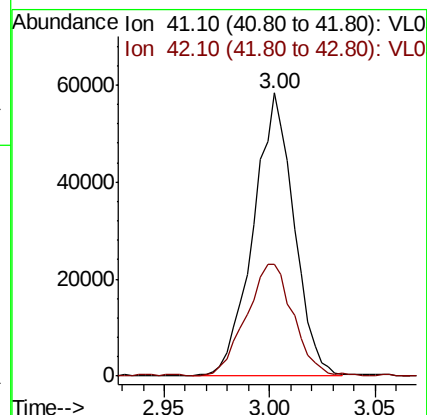
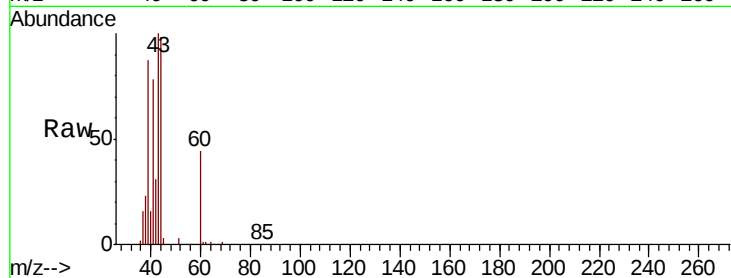
SS-8

Tot Ion: 41 Resp: 78672

Ion Ratio Lower Upper

41 100

42 46.2 56.3 84.5#



#10

Heptane

Concen: 0.066 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.04 min

Lab File: VL035577.D

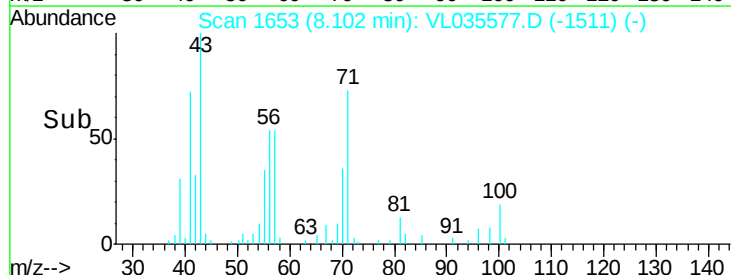
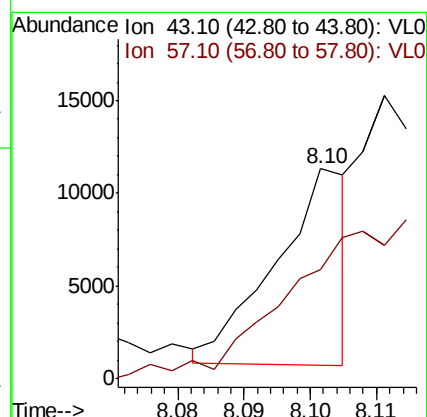
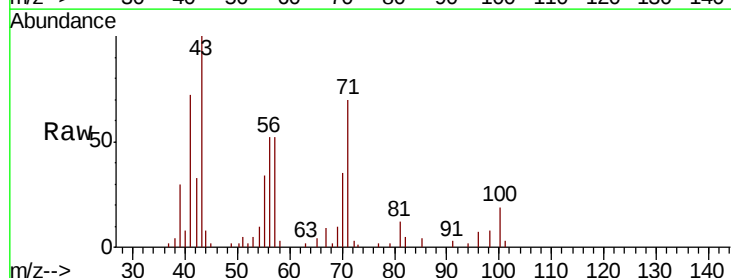
Acq: 9 Sep 2020 7:51

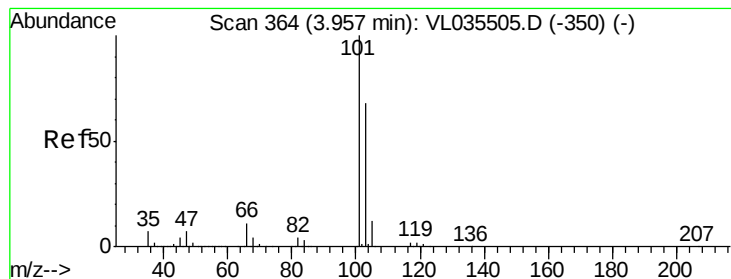
Tgt Ion: 43 Resp: 8050

Ion Ratio Lower Upper

43 100

57 0.0 51.4 77.0#





#11

Trichlorofluoromethane

Concen: 8.165 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.02 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

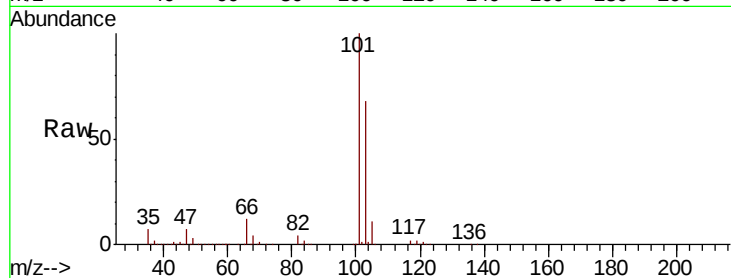
SS-8

Tot Ion:101 Resp: 2196506

Ion Ratio Lower Upper

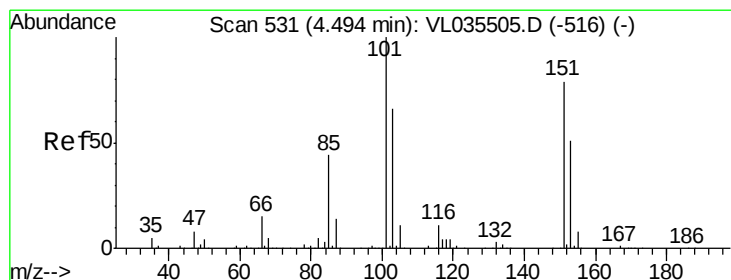
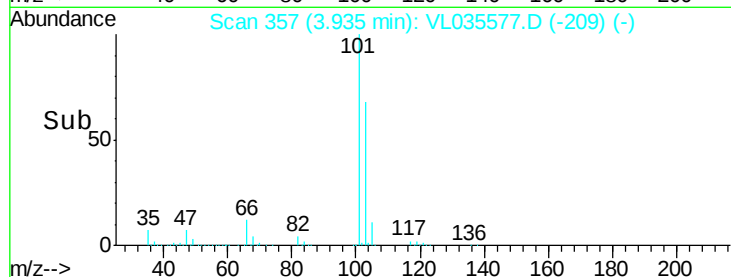
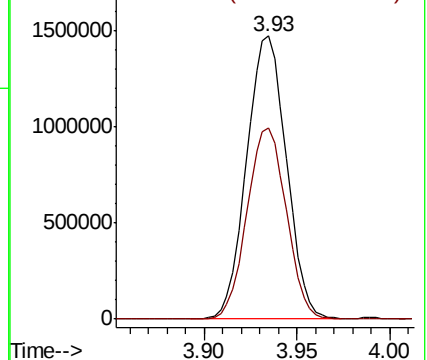
101 100

103 67.5 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.036 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.02 min

Lab File: VL035577.D

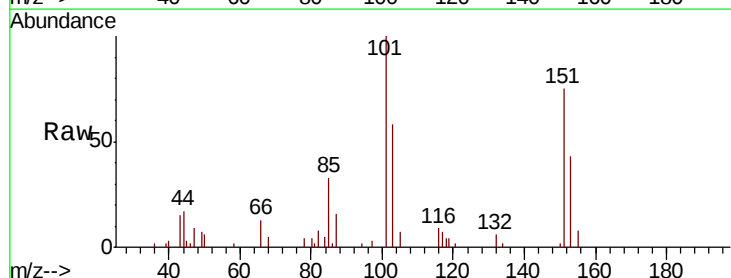
Acq: 9 Sep 2020 7:51

Tgt Ion:101 Resp: 7231

Ion Ratio Lower Upper

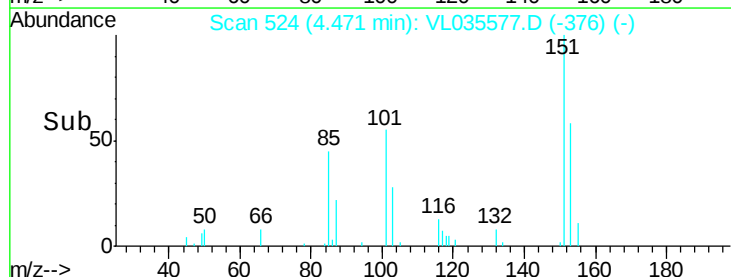
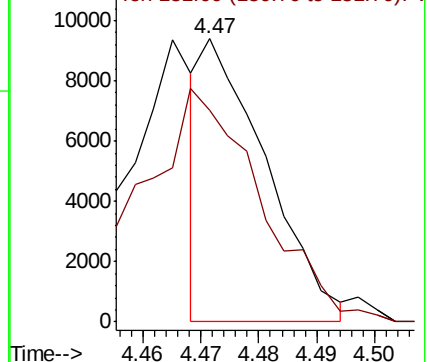
101 100

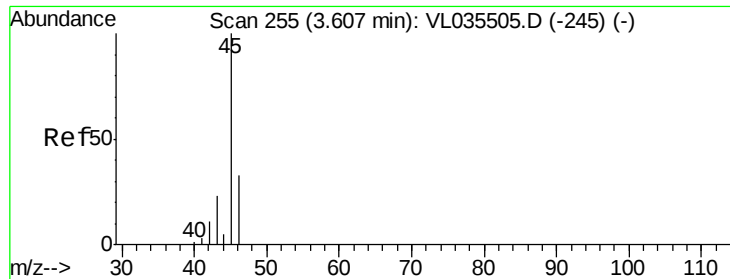
151 157.7 63.5 95.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 68.506 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

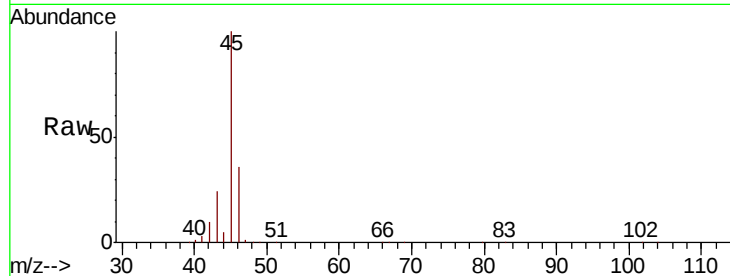
SS-8

Tot Ion: 45 Resp: 770890

Ion Ratio Lower Upper

45 100

46 36.2 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.59

400000

300000

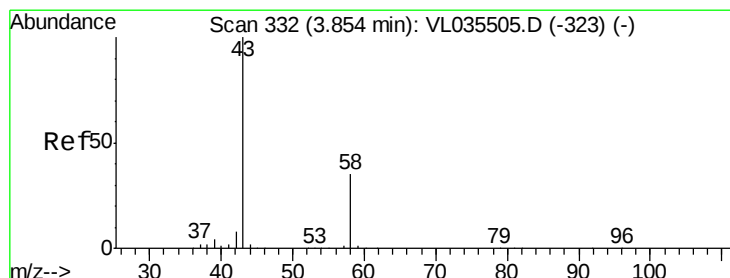
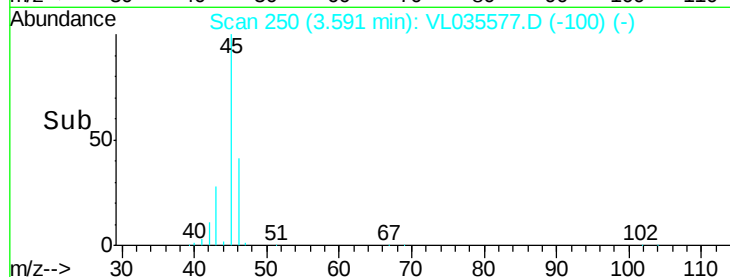
200000

100000

0

Time-->

3.50 3.55 3.60 3.65



#15

Acetone

Concen: 58.595 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.03 min

Lab File: VL035577.D

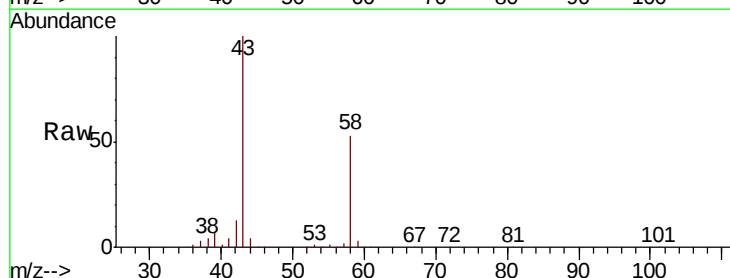
Acq: 9 Sep 2020 7:51

Tgt Ion: 43 Resp: 6878883

Ion Ratio Lower Upper

43 100

58 45.1 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

4000000

3000000

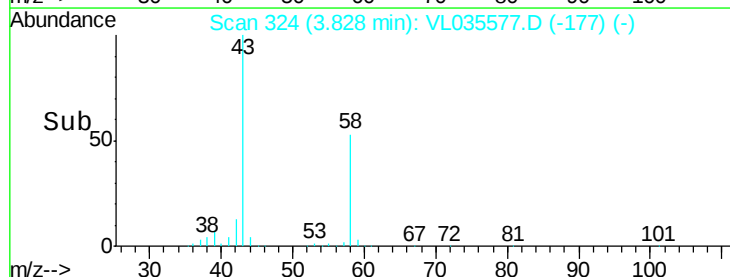
2000000

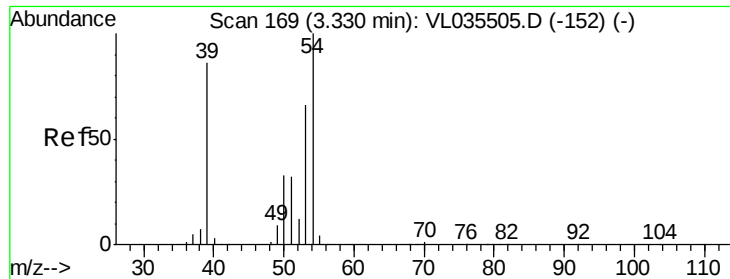
1000000

0

Time-->

3.75 3.80 3.85 3.90 3.95

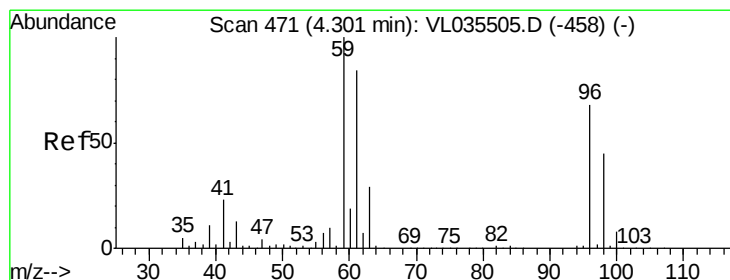
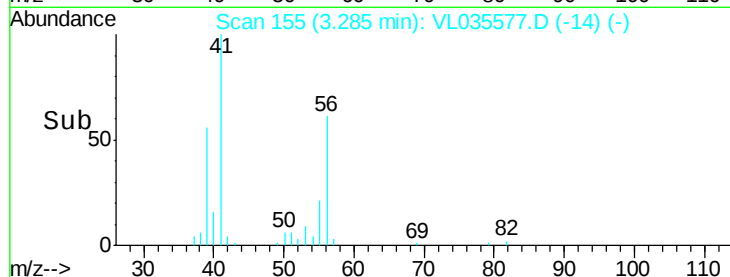
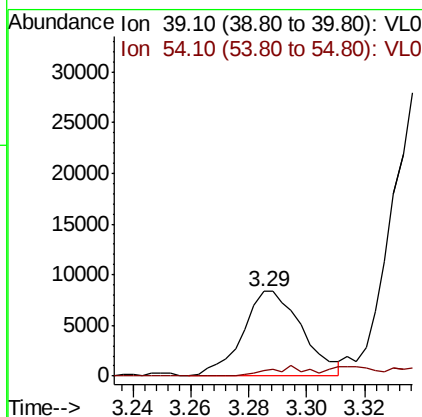
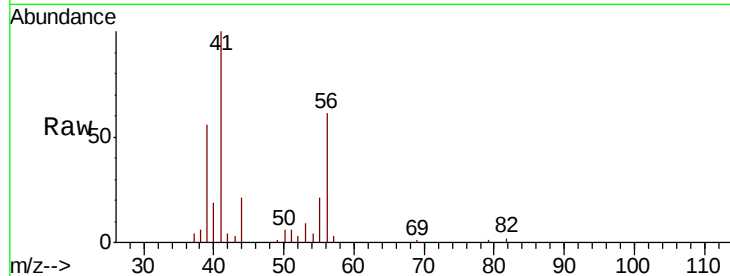




#16
 1,3-Butadiene
 Concen: 0.273 ppbv
 RT: 3.29 min Scan# 155
 Delta R.T. -0.05 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

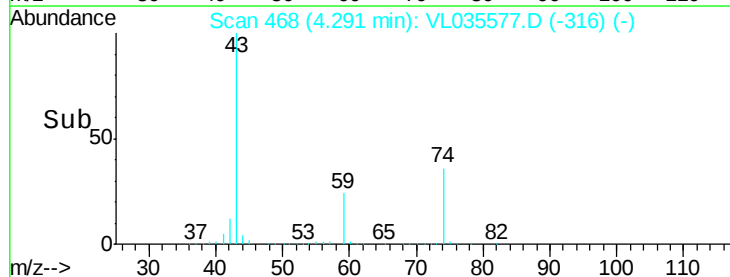
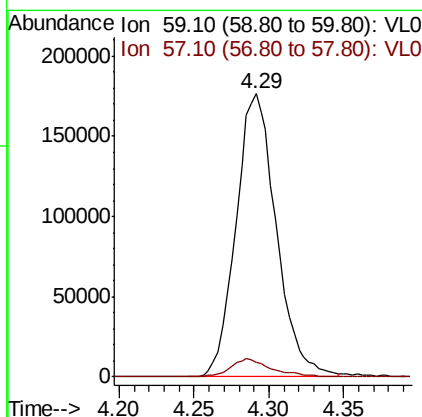
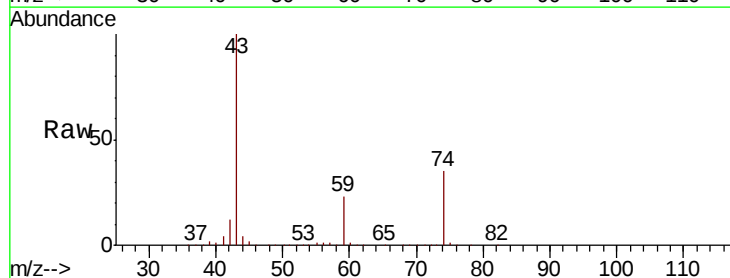
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8

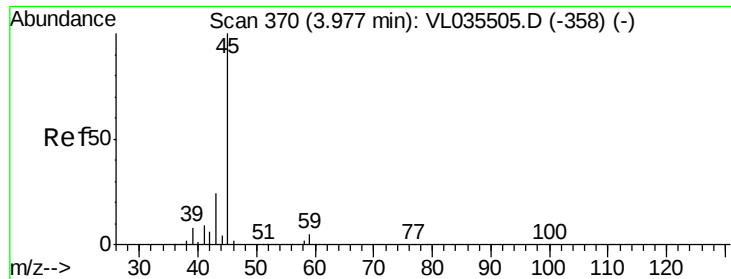
Tot Ion: 39 Resp: 11913
 Ion Ratio Lower Upper
 39 100
 54 25.4 88.4 132.6#



#17
 tert-Butyl alcohol
 Concen: 2.308 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

Tgt Ion: 59 Resp: 329804
 Ion Ratio Lower Upper
 59 100
 57 6.6 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 7.635 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

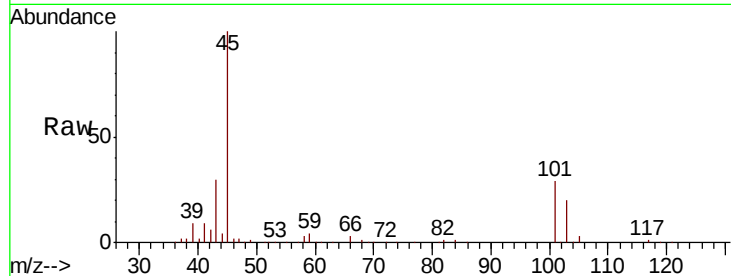
SS-8

Tot Ion: 45 Resp: 534720

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

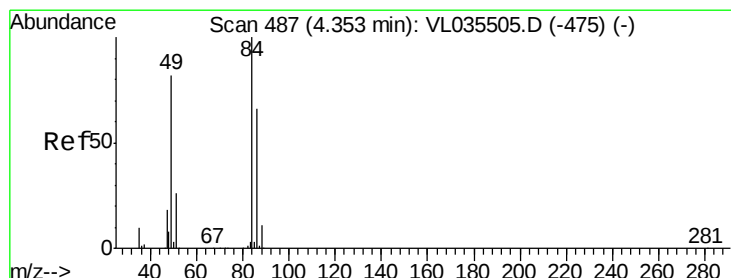
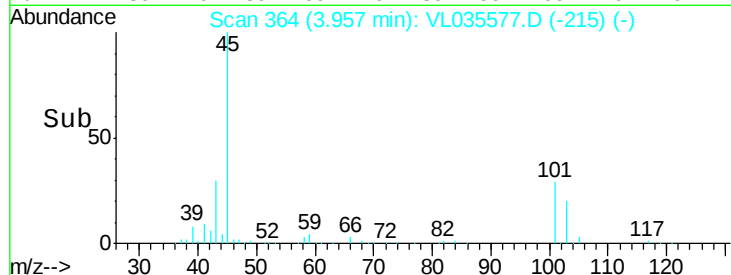
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 2.678 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Tgt Ion: 84 Resp: 234153

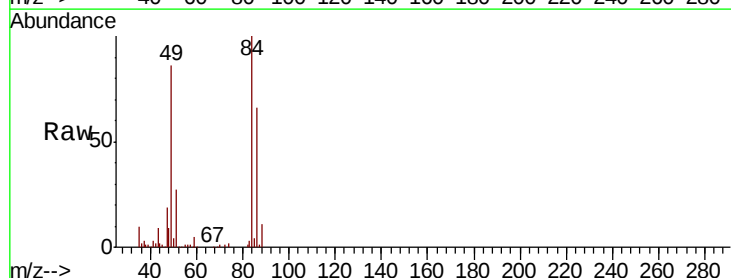
Ion Ratio Lower Upper

84 100

49 85.4 65.4 98.0

51 26.7 21.5 32.3

86 66.4 52.9 79.3



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

200000

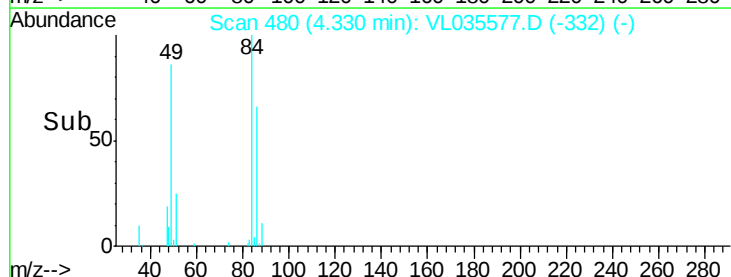
150000

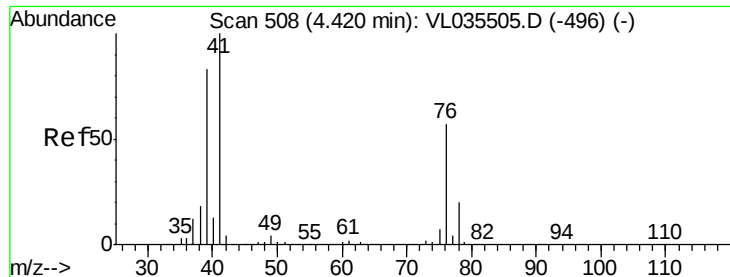
100000

50000

0

Time-->





#21

Allvl Chloride

Concen: 0.050 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.07 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

SS-8

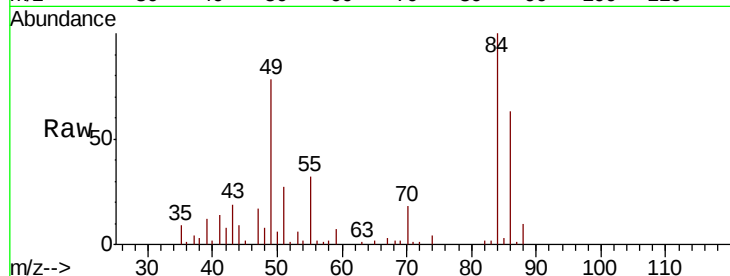
Tot Ion: 41 Resp: 2767

Ion Ratio Lower Upper

41 100

76 0.0 46.2 69.2#

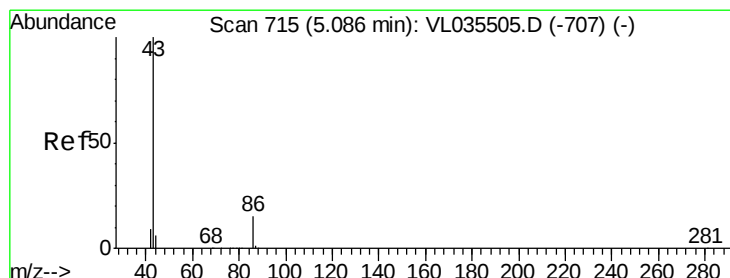
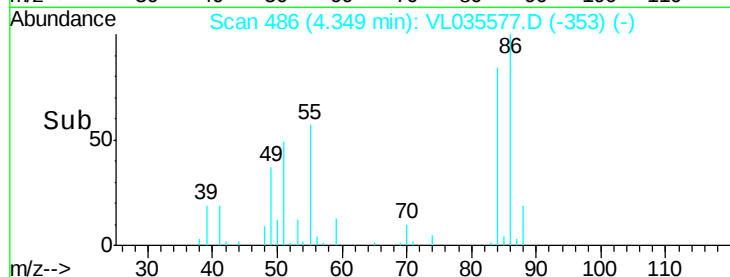
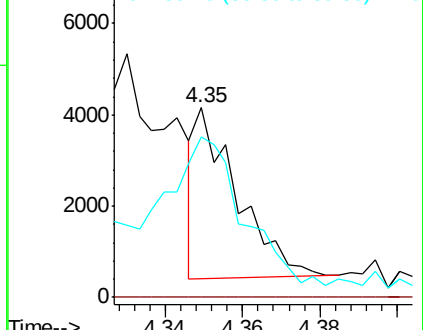
39 160.8 67.8 101.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 0.405 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.04 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Tgt Ion: 43 Resp: 61093

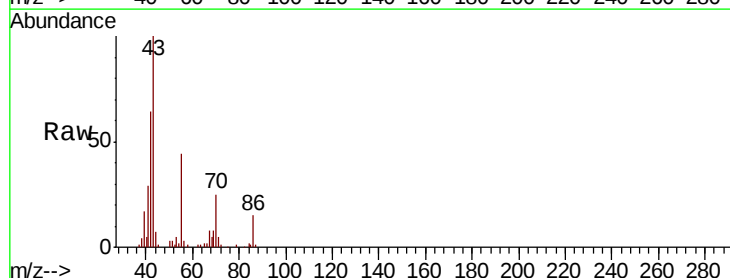
Ion Ratio Lower Upper

43 100

86 15.1 10.6 16.0

42 64.6 7.5 11.3#

44 3.3 4.4 6.6#

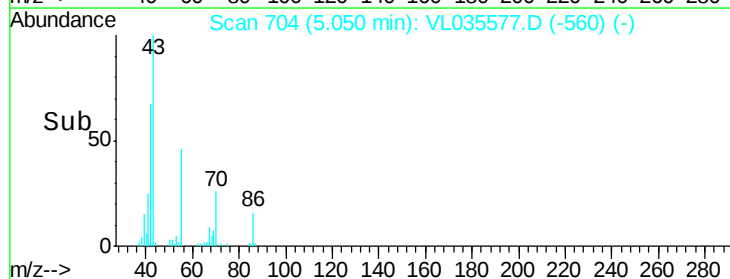
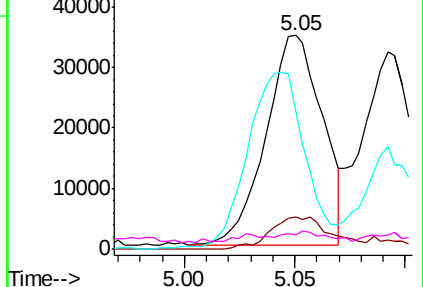


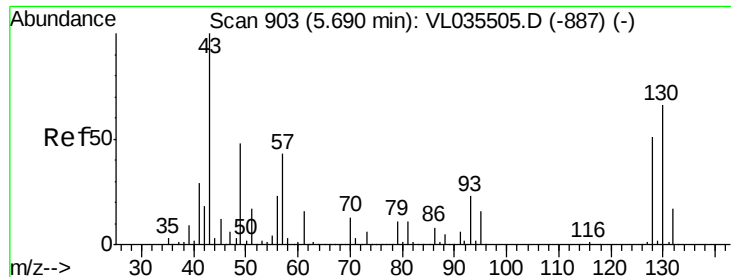
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

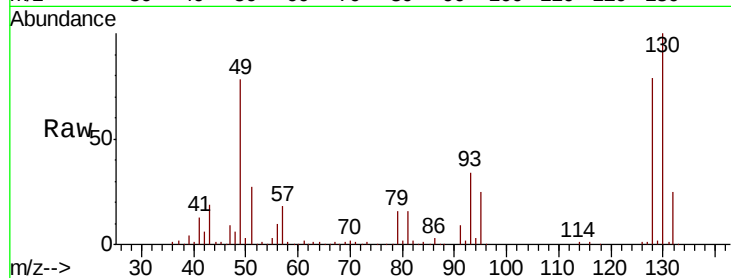




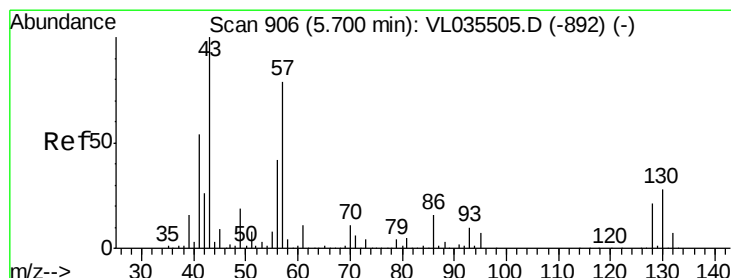
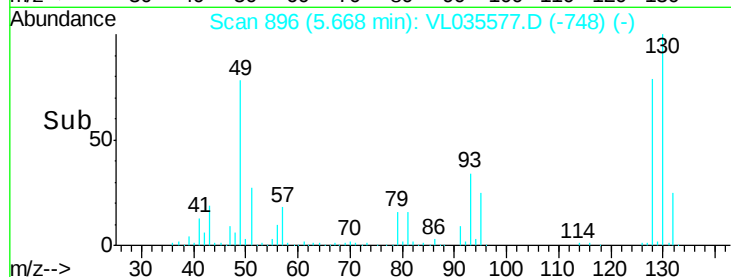
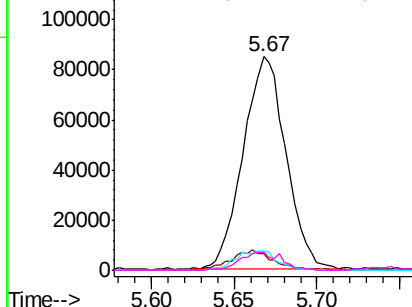
#25
Ethyl Acetate
Concen: 0.734 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

Instrument :
MSVOA_L
ClientSampled :
SS-8

Tot Ion: 43 Resp: 152315
Ion Ratio Lower Upper
43 100
45 9.7 8.4 12.6
61 9.0 10.6 16.0#
70 8.2 9.4 14.2#

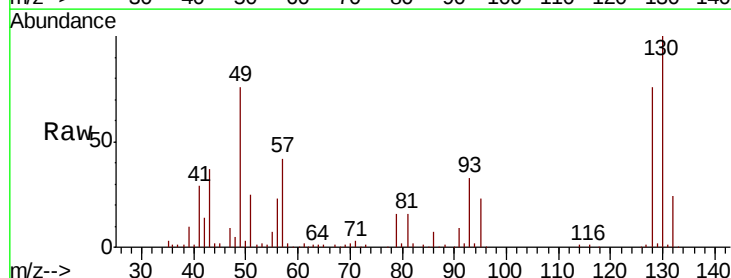


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

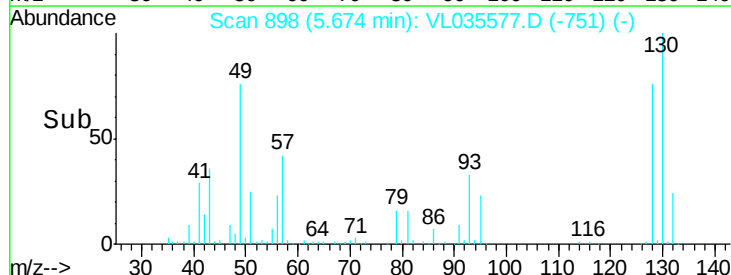
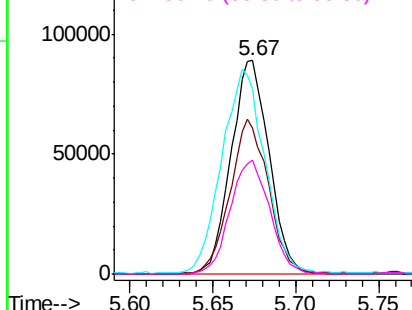


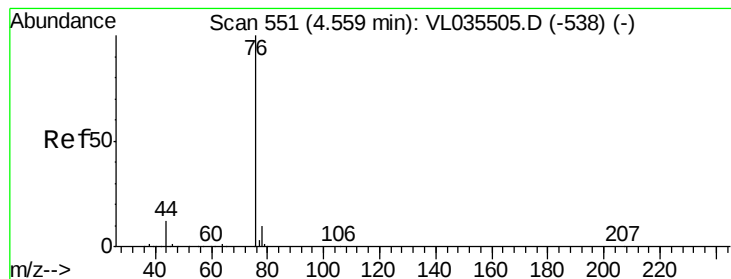
#26
Hexane
Concen: 1.208 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

Tgt Ion: 57 Resp: 141918
Ion Ratio Lower Upper
57 100
41 73.7 55.9 83.9
43 108.5 141.8 212.8#
56 55.4 41.8 62.8



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: 0.081 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

SS-8

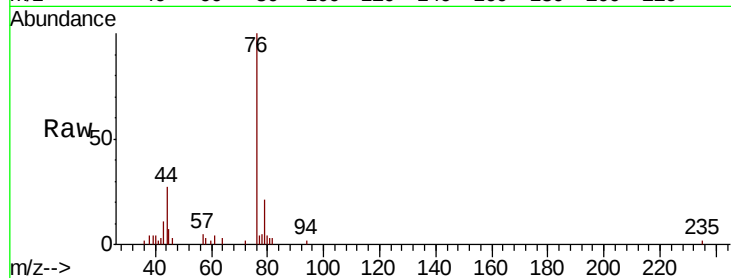
Tot Ion: 76 Resp: 13627

Ion Ratio Lower Upper

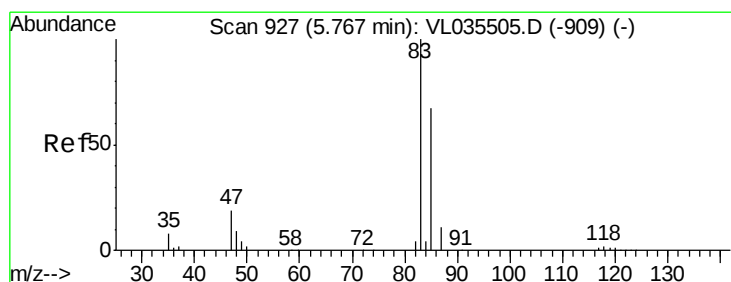
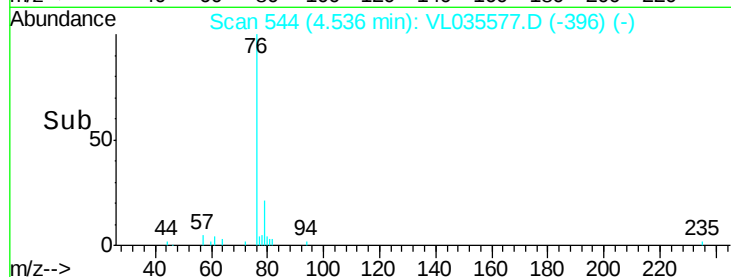
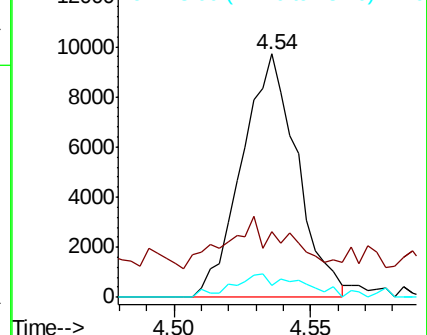
76 100

44 26.1 9.3 13.9#

78 13.1 7.8 11.6#



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



#29

Chloroform

Concen: 0.889 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.03 min

Lab File: VL035577.D

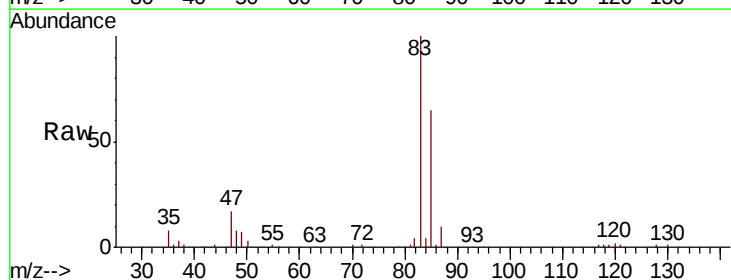
Acq: 9 Sep 2020 7:51

Tgt Ion: 83 Resp: 212866

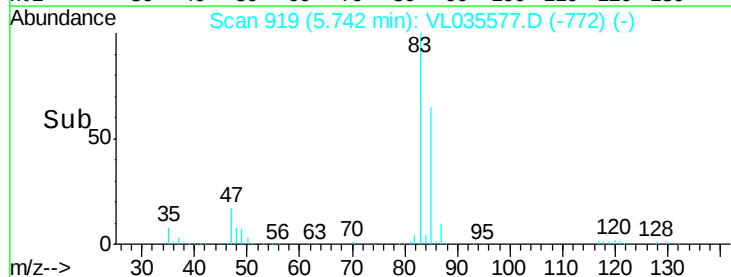
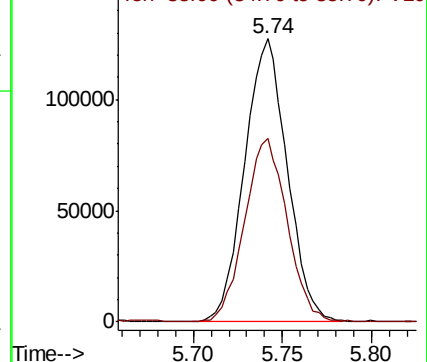
Ion Ratio Lower Upper

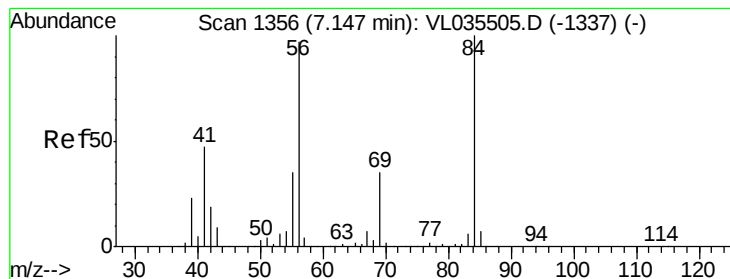
83 100

85 64.9 53.9 80.9



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





#30

Cvclohexane

Concen: 0.144 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. -0.03 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

SS-8

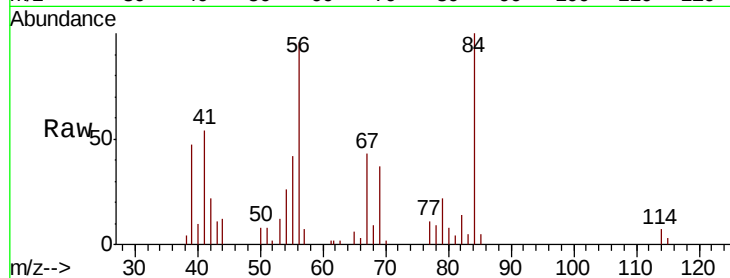
Tot Ion: 84 Resp: 18174

Ion Ratio Lower Upper

84 100

56 93.5 80.1 120.1

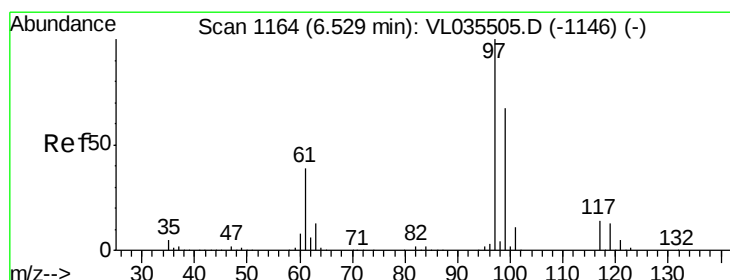
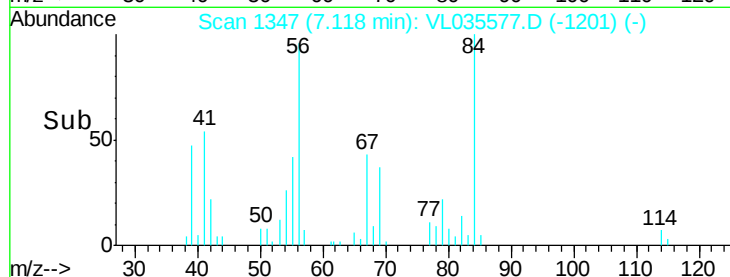
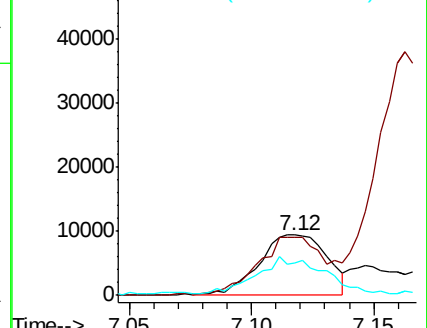
41 71.1 38.1 57.1#



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



#32

1,1,1-Trichloroethane

Concen: 0.048 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.03 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

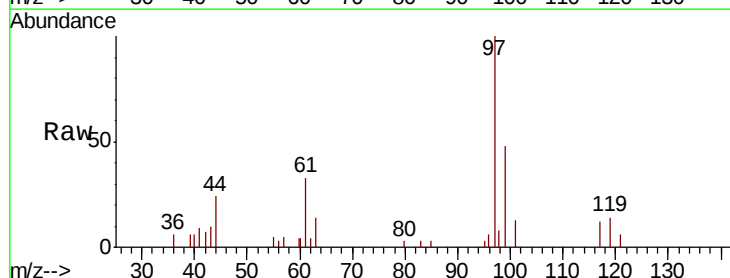
Tgt Ion: 97 Resp: 11243

Ion Ratio Lower Upper

97 100

99 61.2 53.3 79.9

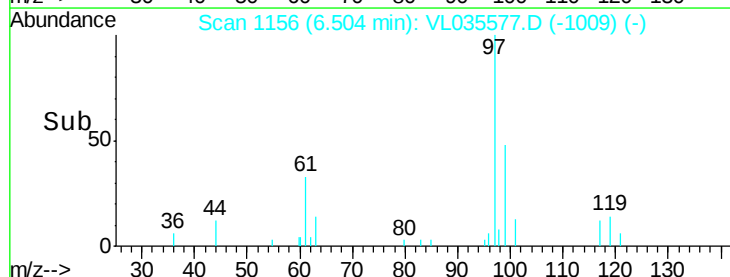
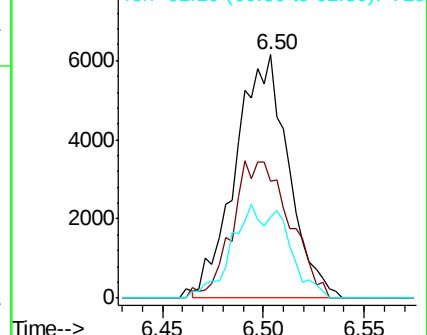
61 40.5 30.6 46.0

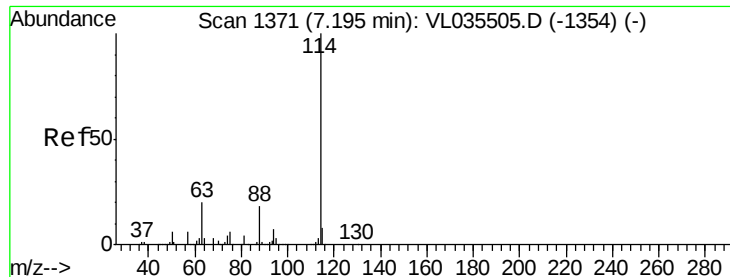


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

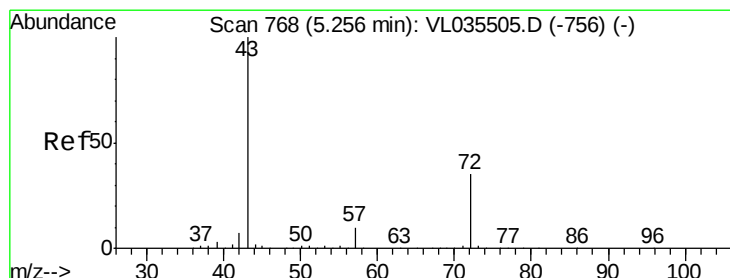
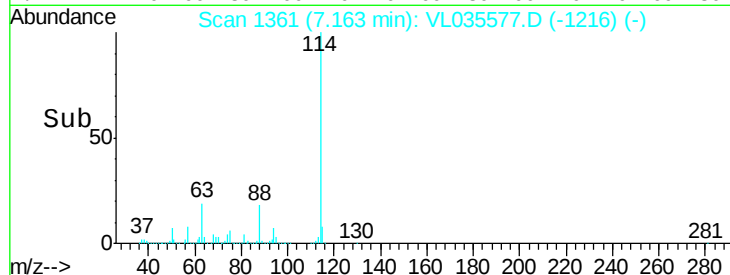
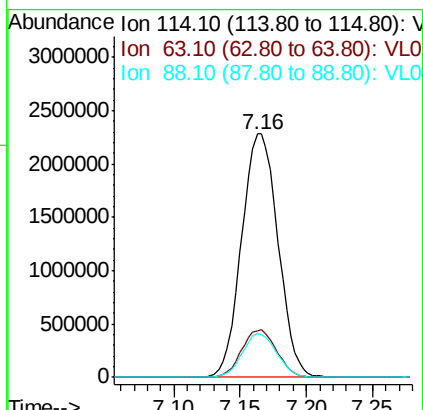
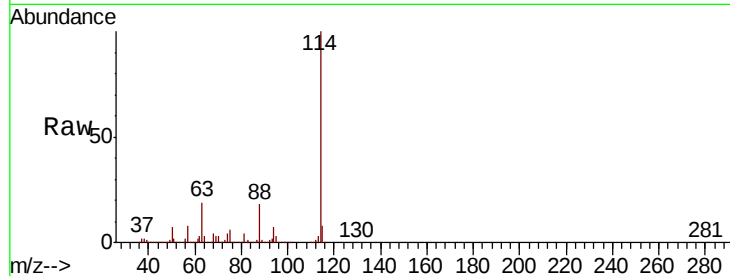




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.03 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

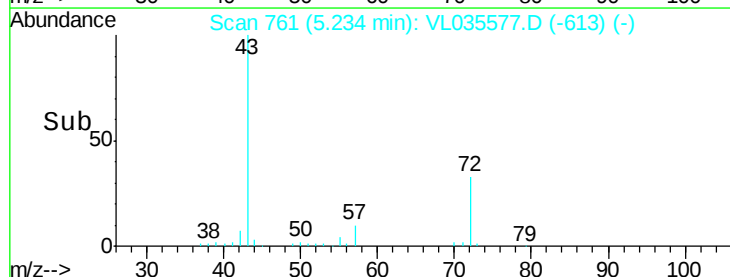
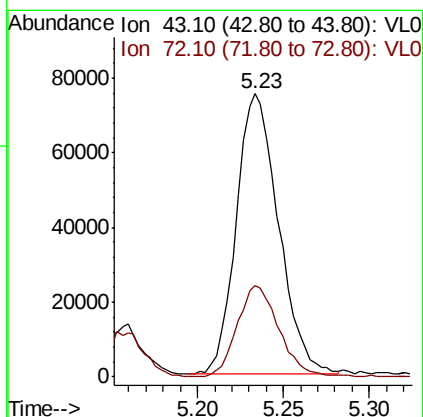
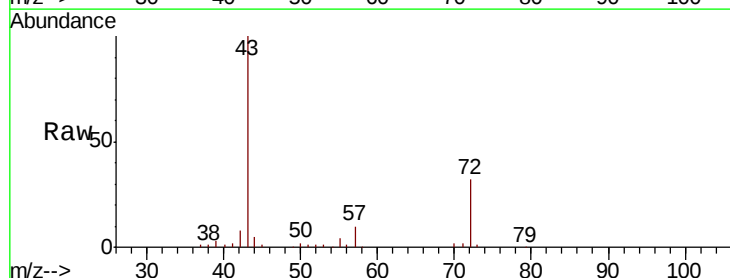
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8

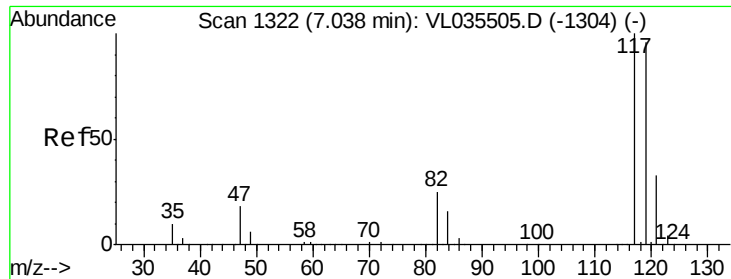
Tot Ion:114 Resp: 4361532
 Ion Ratio Lower Upper
 114 100
 63 18.8 14.7 22.1
 88 17.1 13.4 20.2



#34
 2-Butanone
 Concen: 0.986 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

Tgt Ion: 43 Resp: 127575
 Ion Ratio Lower Upper
 43 100
 72 32.6 27.7 41.5





#35

Carbon Tetrachloride

Concen: 0.067 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.03 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

SS-8

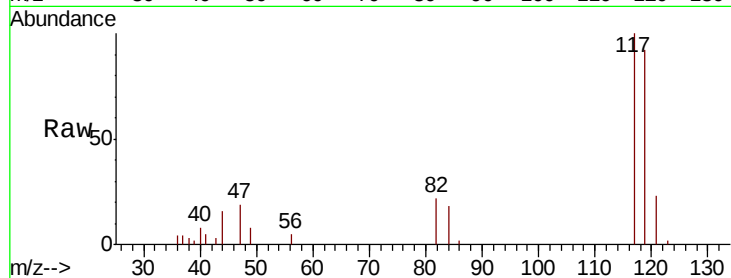
Tot Ion:117 Resp: 14731

Ion Ratio Lower Upper

117 100

119 89.2 77.2 115.8

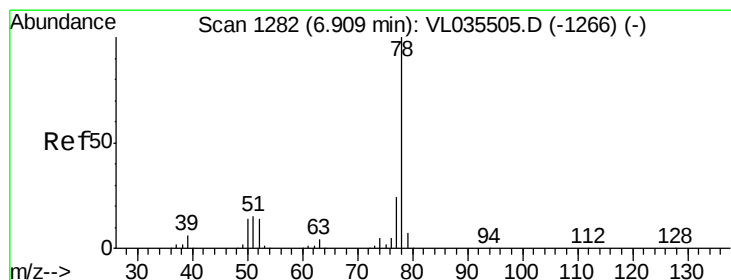
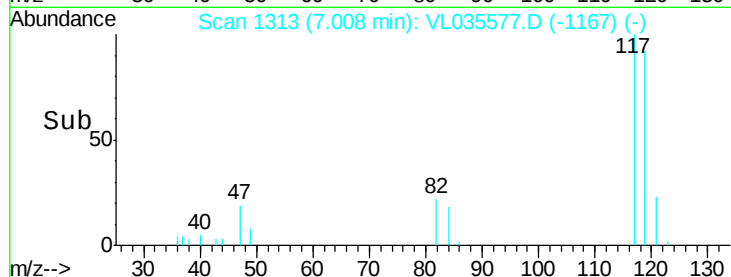
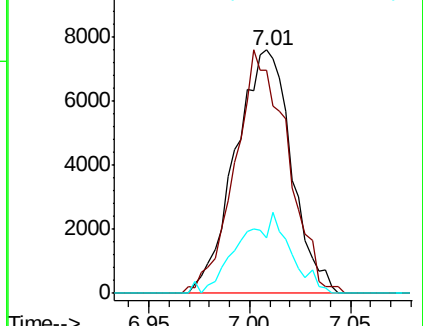
121 22.8 26.1 39.1#



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: 0.255 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.03 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

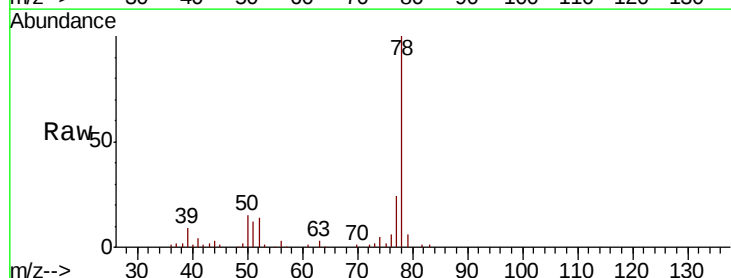
Tgt Ion: 78 Resp: 71956

Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9

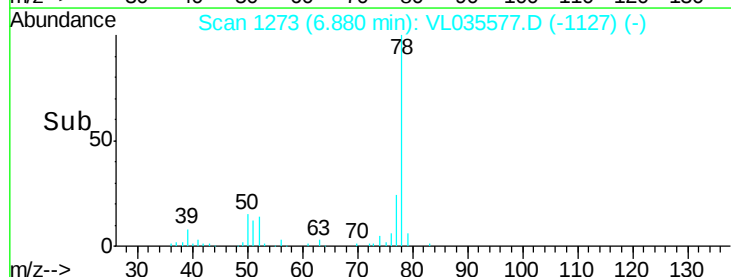
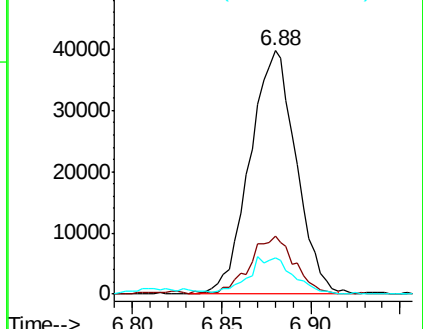
50 14.8 11.0 16.6

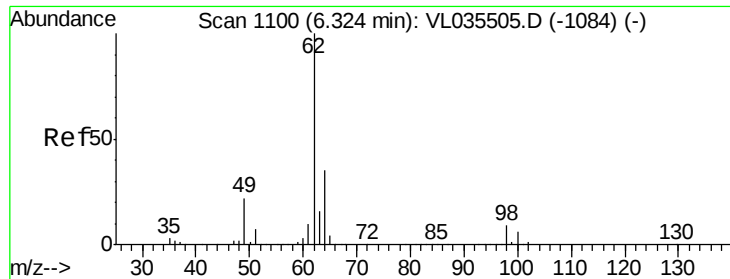


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.132 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. -0.03 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

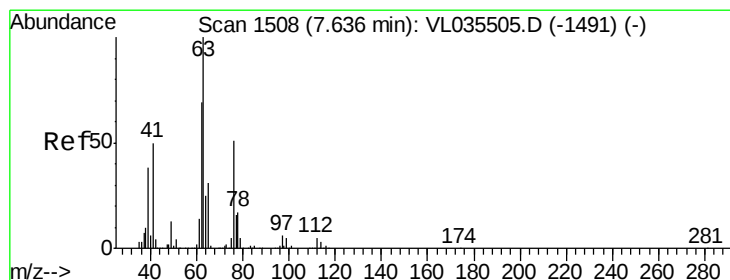
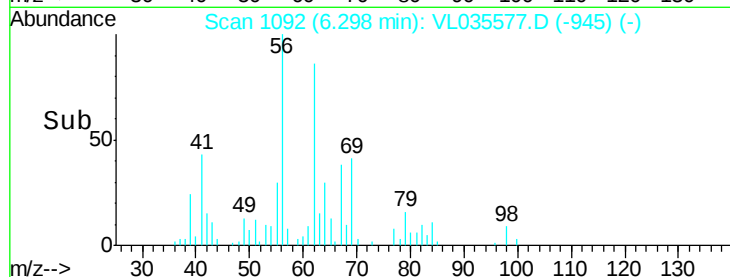
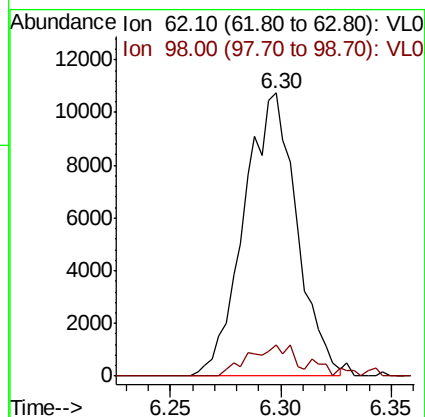
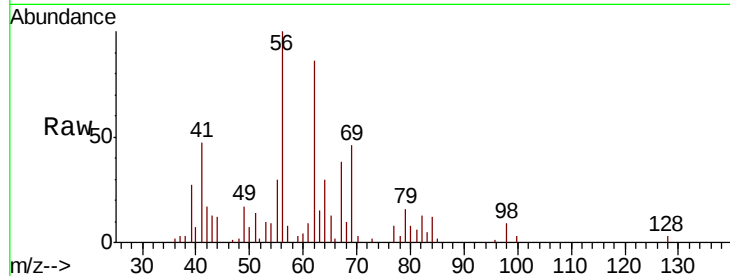
SS-8

Tot Ion: 62 Resp: 17782

Ion Ratio Lower Upper

62 100

98 12.2 7.4 11.0#



#39

1,2-Dichloropropane

Concen: 8.558 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.47 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

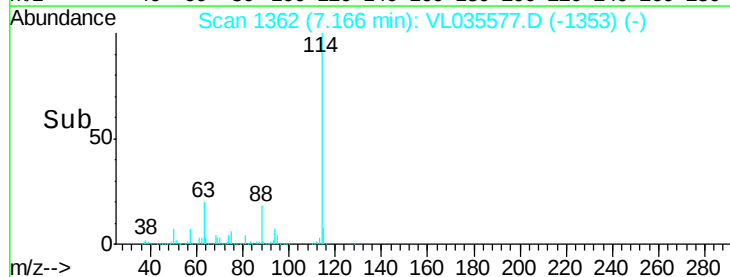
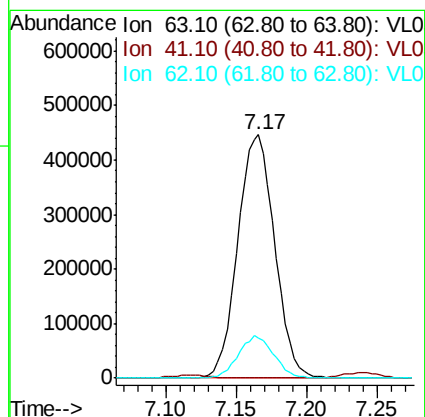
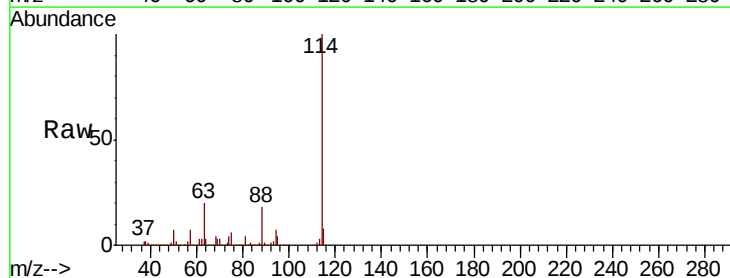
Tgt Ion: 63 Resp: 816222

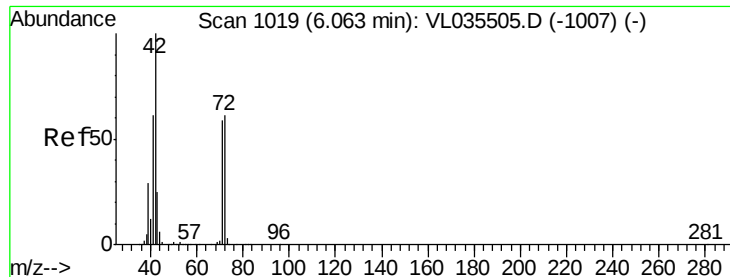
Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

62 16.5 55.4 83.0#





#41

Tetrahydrofuran

Concen: 0.034 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

SS-8

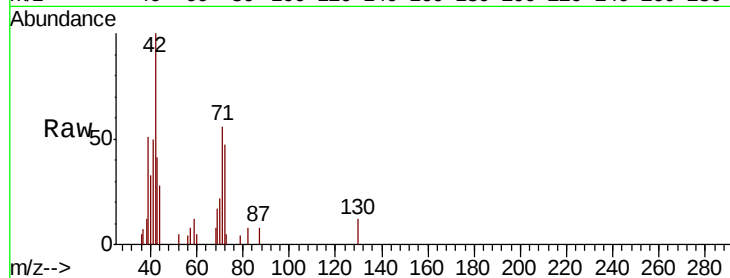
Tot Ion: 42 Resp: 2329

Ion Ratio Lower Upper

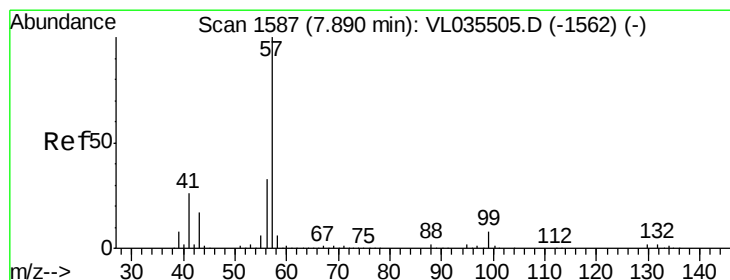
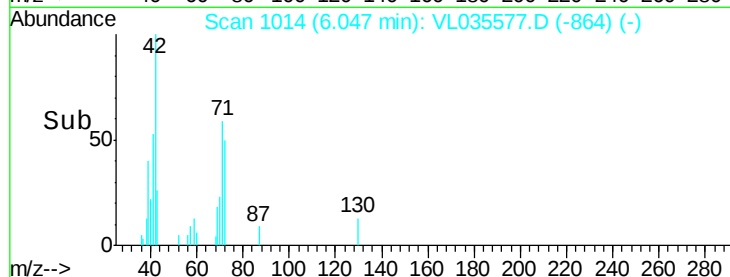
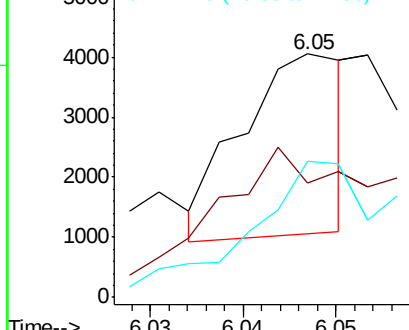
42 100

72 216.7 48.6 73.0#

71 148.0 46.1 69.1#



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



#44

2,2,4-Trimethylpentane

Concen: 0.204 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.03 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

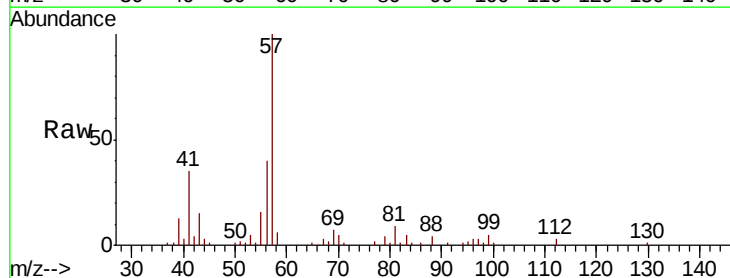
Tgt Ion: 57 Resp: 75768

Ion Ratio Lower Upper

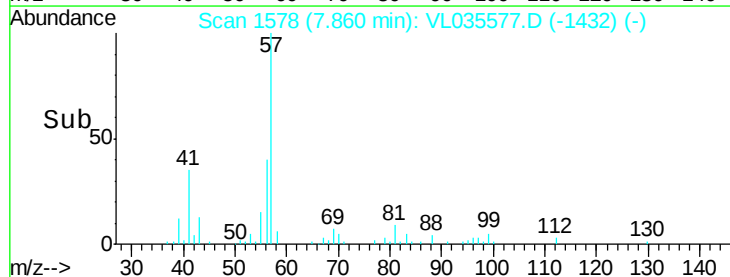
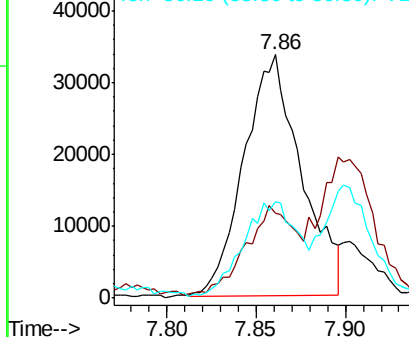
57 100

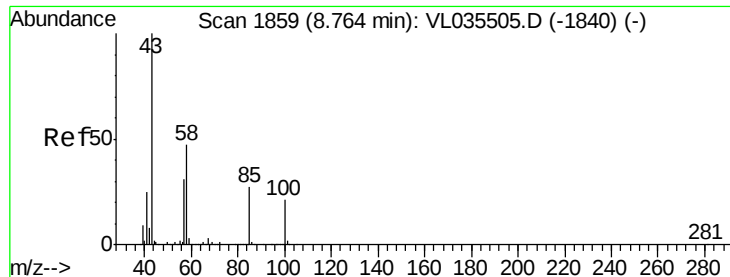
41 33.9 20.5 30.7#

56 36.6 25.3 37.9



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

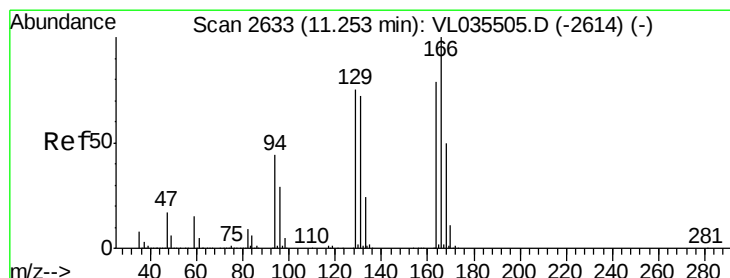
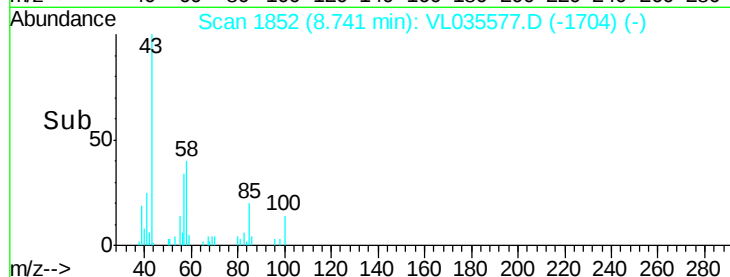
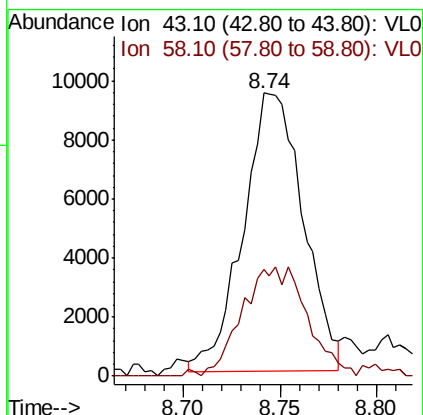
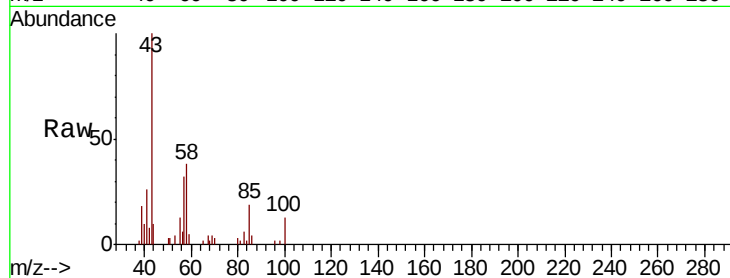




#50
4-Methyl-2-Pentanone
Concen: 0.109 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.02 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

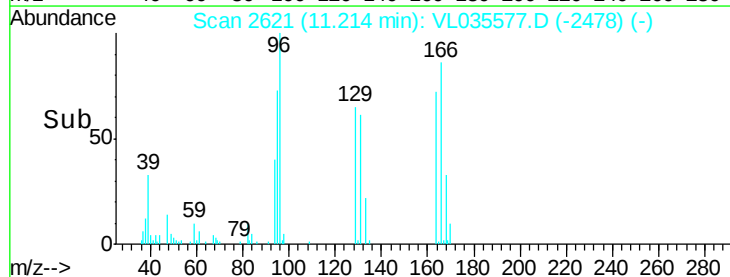
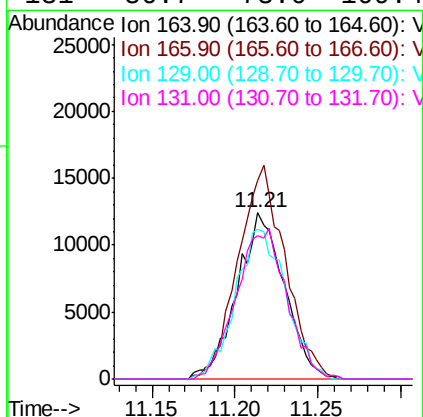
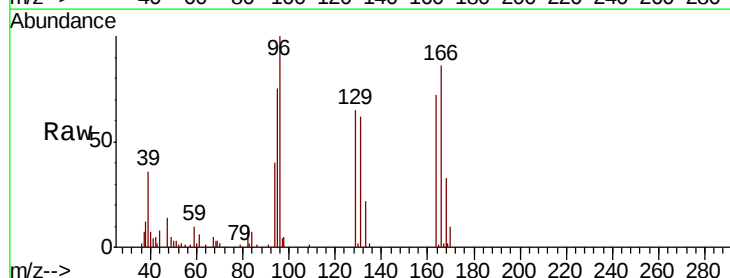
Instrument :
MSVOA_L
ClientSampled :
SS-8

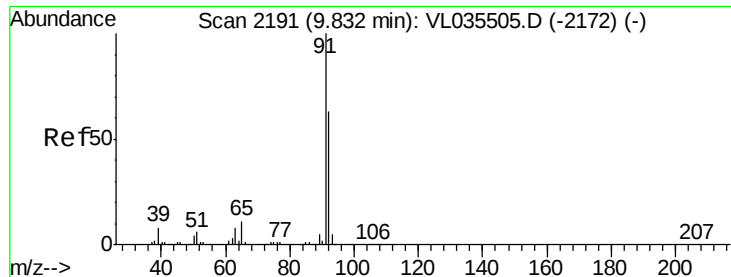
Tot Ion: 43 Resp: 20441
Ion Ratio Lower Upper
43 100
58 44.0 37.4 56.0



#52
Tetrachloroethene
Concen: 0.149 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.04 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

Tgt Ion: 164 Resp: 24596
Ion Ratio Lower Upper
164 100
166 119.1 100.9 151.3
129 90.0 75.3 112.9
131 86.7 73.0 109.4





#53

Toluene

Concen: 1.783 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.04 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

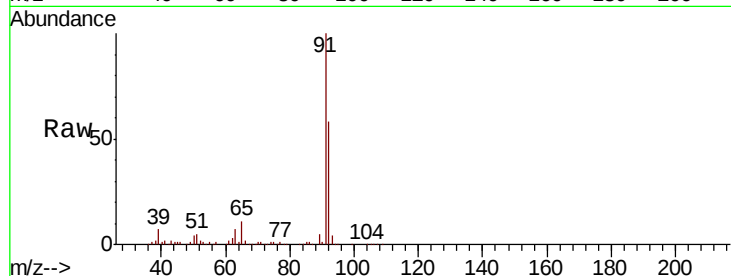
SS-8

Tot Ion: 91 Resp: 632887

Ion Ratio Lower Upper

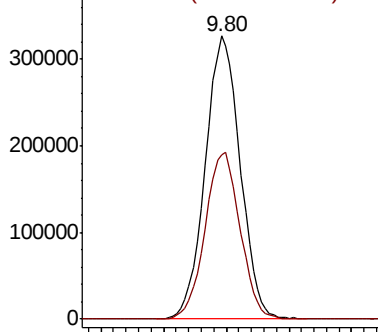
91 100

92 59.2 49.8 74.8

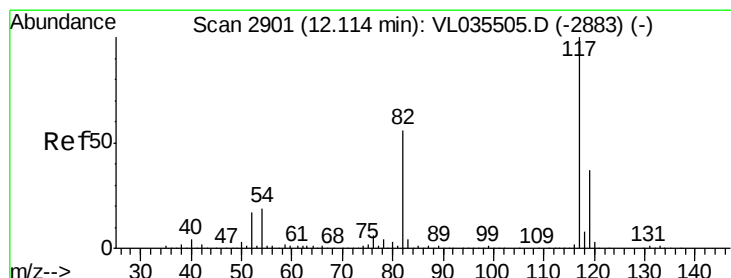
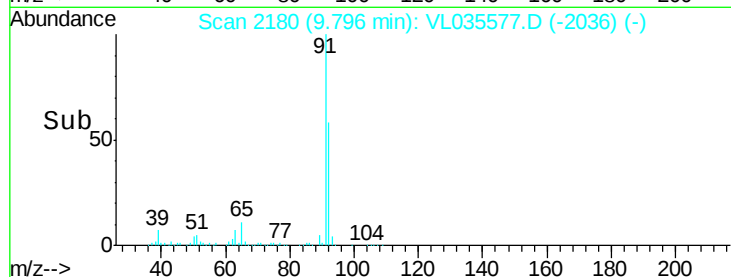


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. -0.04 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

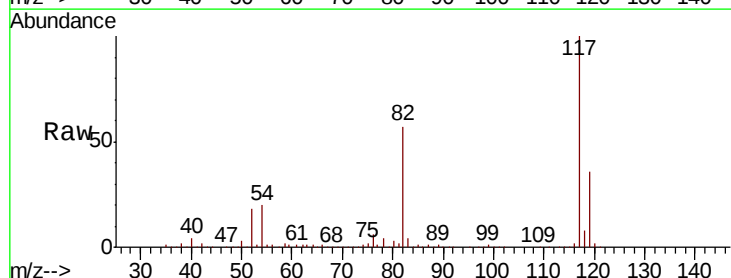
Tgt Ion: 117 Resp: 4362795

Ion Ratio Lower Upper

117 100

82 56.3 41.6 62.4

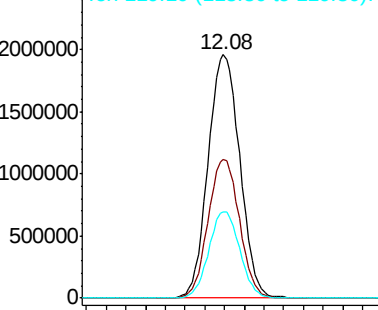
119 34.7 29.3 43.9



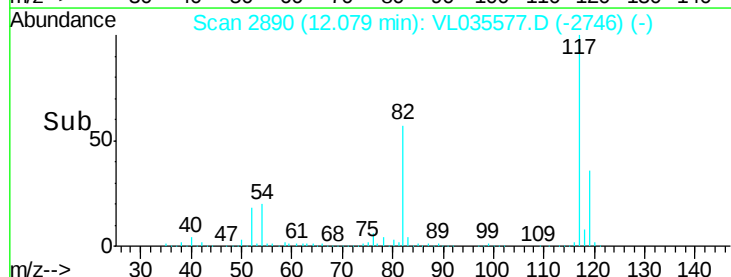
Abundance Ion 117.10 (116.80 to 117.80): V

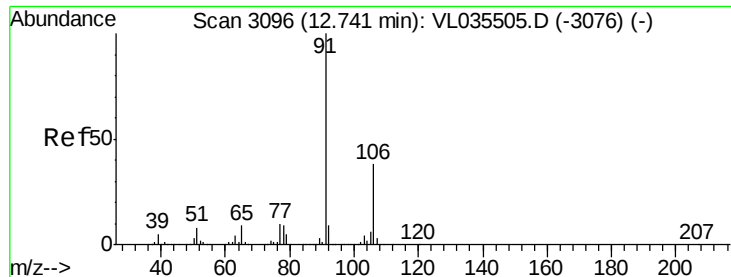
Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



Time-->





#58

Ethyl Benzene

Concen: 0.211 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. -0.04 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampled :

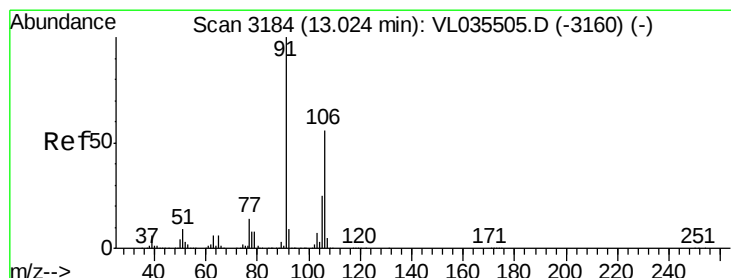
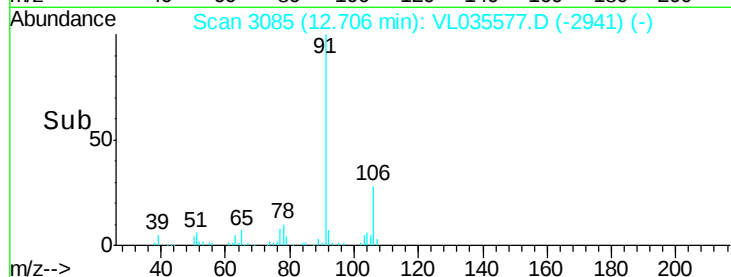
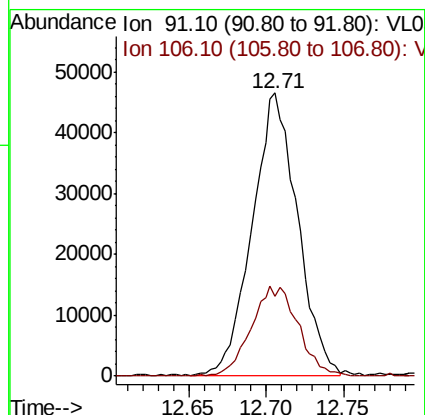
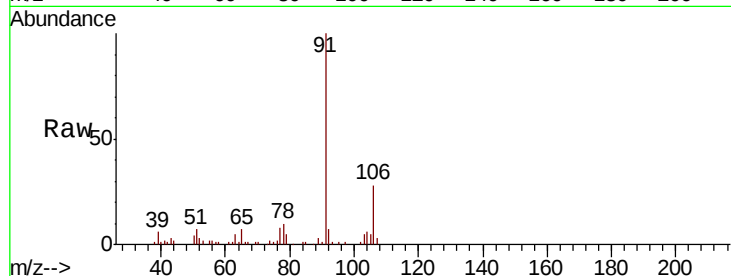
SS-8

Tot Ion: 91 Resp: 94930

Ion Ratio Lower Upper

91 100

106 28.3 30.3 45.5#



#59

m/p-Xylene

Concen: 0.861 ppbv

RT: 12.96 min Scan# 3165

Delta R.T. -0.06 min

Lab File: VL035577.D

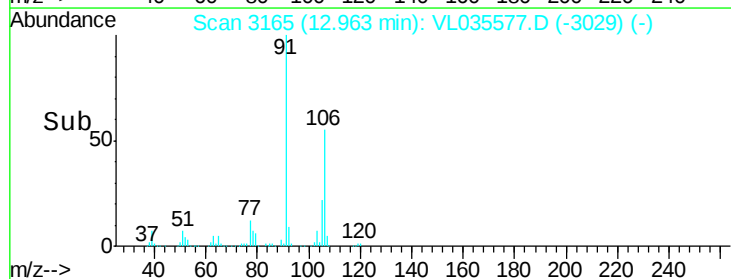
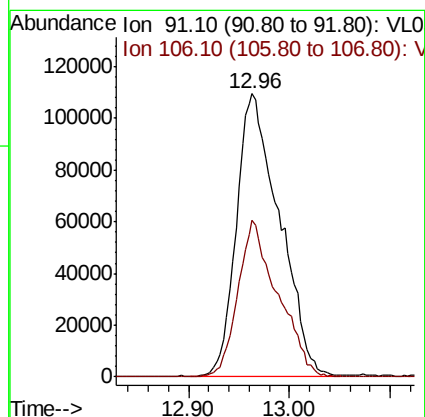
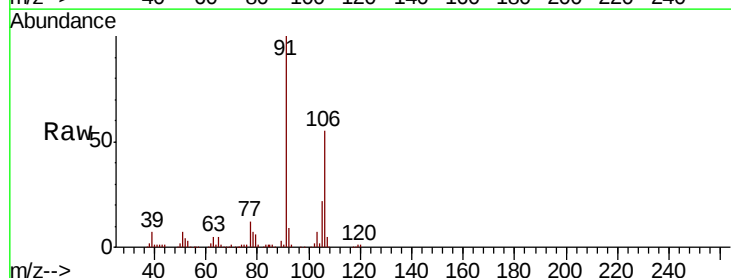
Acq: 9 Sep 2020 7:51

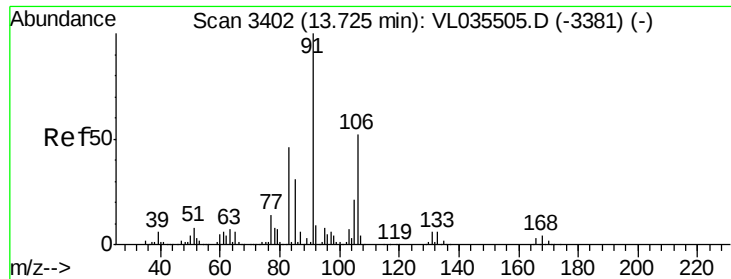
Tgt Ion: 91 Resp: 323721

Ion Ratio Lower Upper

91 100

106 51.6 43.4 65.2

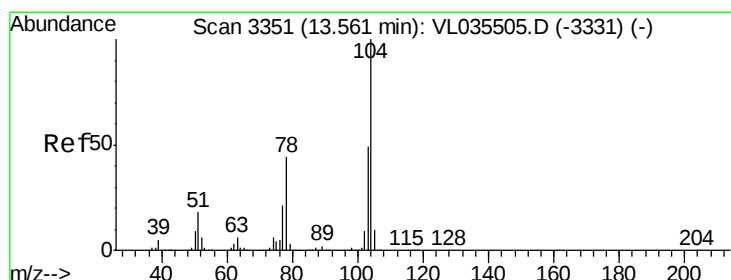
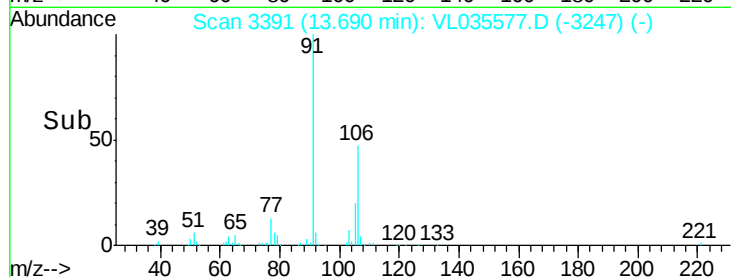
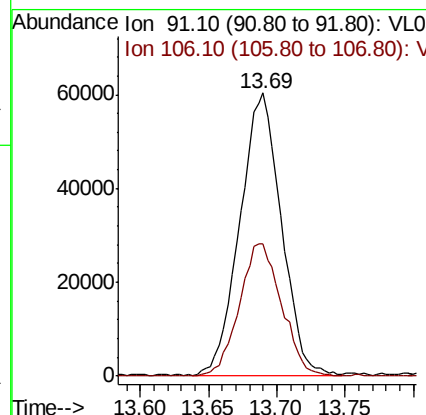
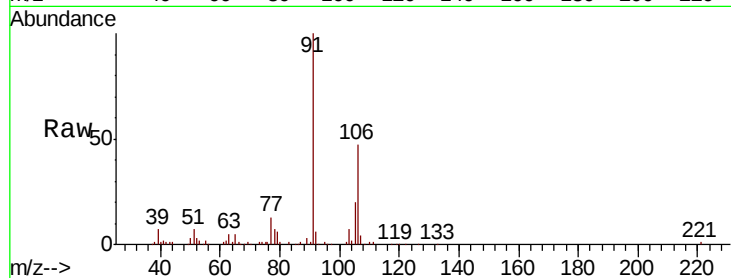




#60
o-Xylene
Concen: 0.335 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.04 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

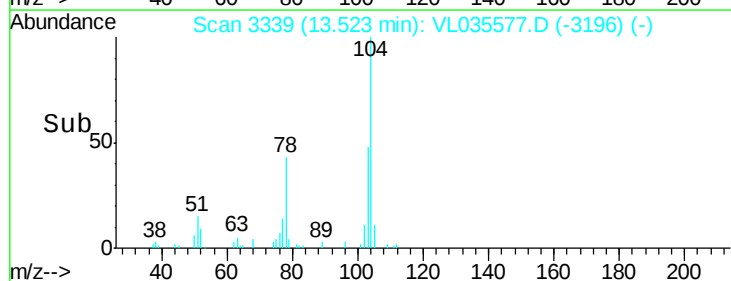
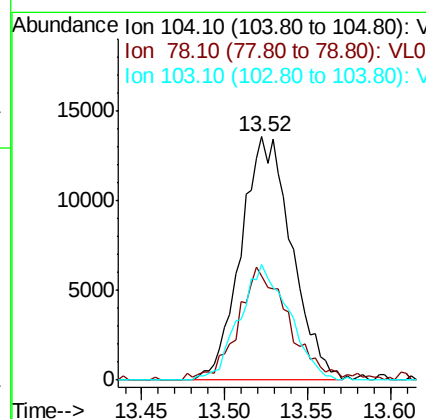
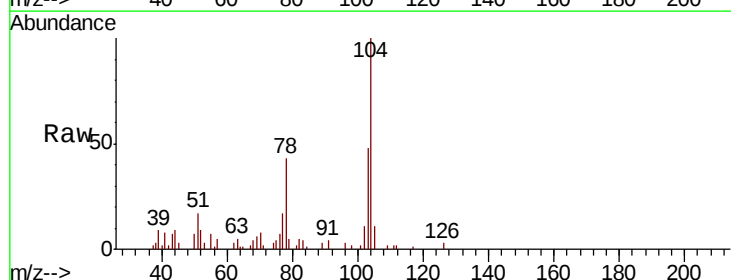
Instrument :
MSVOA_L
ClientSampled :
SS-8

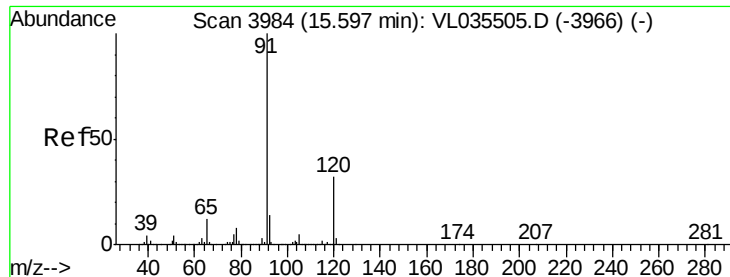
Tot Ion: 91 Resp: 126800
Ion Ratio Lower Upper
91 100
106 48.0 25.8 77.4



#61
Styrene
Concen: 0.100 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. -0.04 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

Tgt Ion: 104 Resp: 28909
Ion Ratio Lower Upper
104 100
78 48.3 34.8 52.2
103 46.1 38.2 57.4





#64

n-propylbenzene

Concen: 0.076 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. -0.04 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

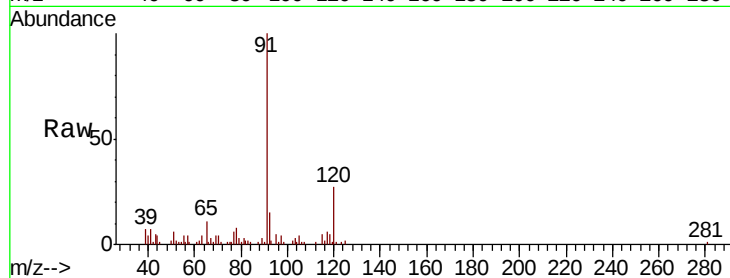
SS-8

Tot Ion:120 Resp: 14033

Ion Ratio Lower Upper

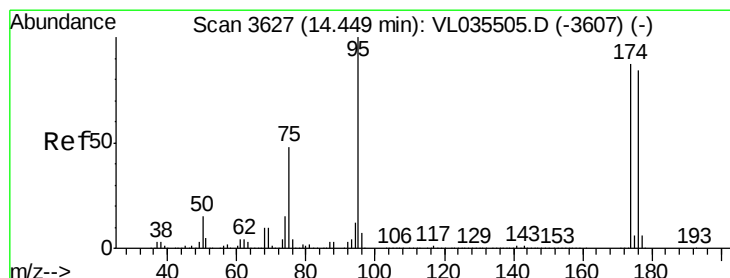
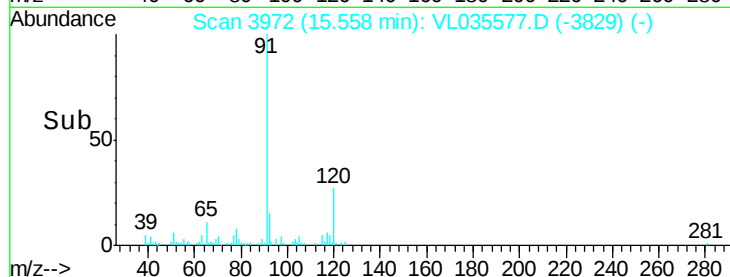
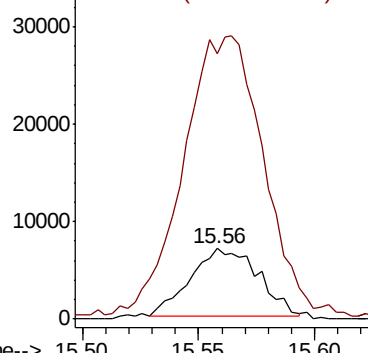
120 100

91 484.7 279.4 419.0#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.618 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.04 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

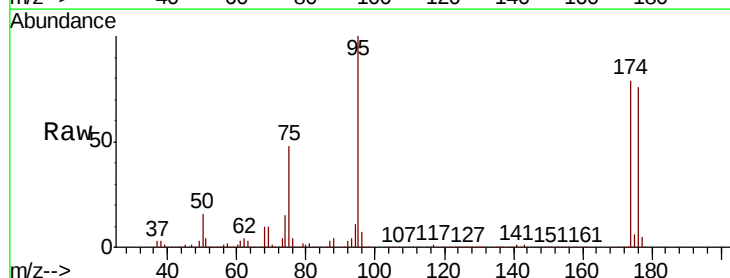
Tgt Ion: 95 Resp: 3289666

Ion Ratio Lower Upper

95 100

174 79.9 69.6 104.4

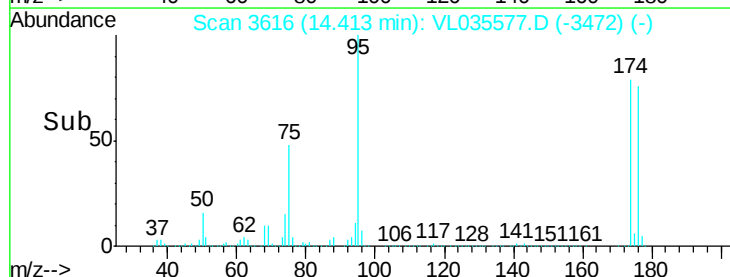
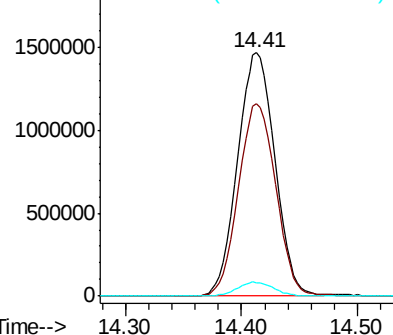
175 5.7 5.1 7.7

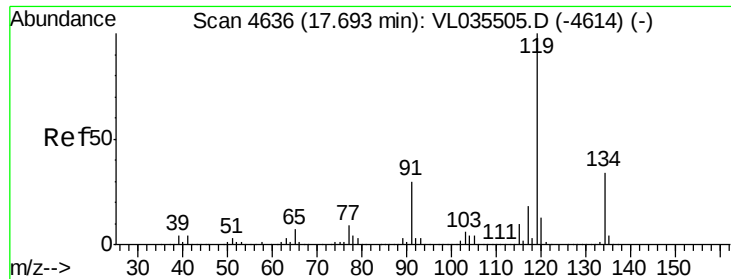


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

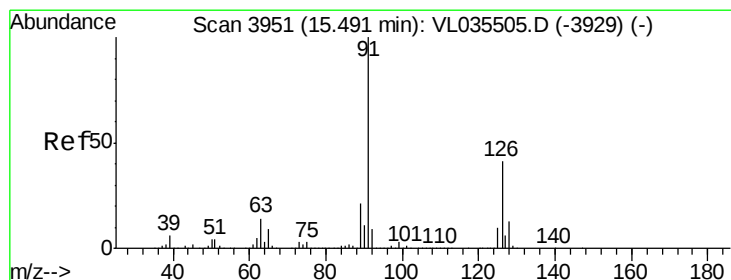
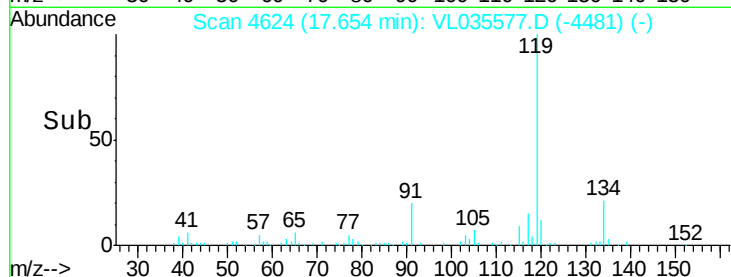
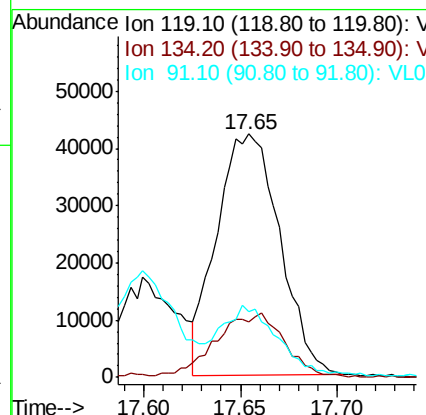
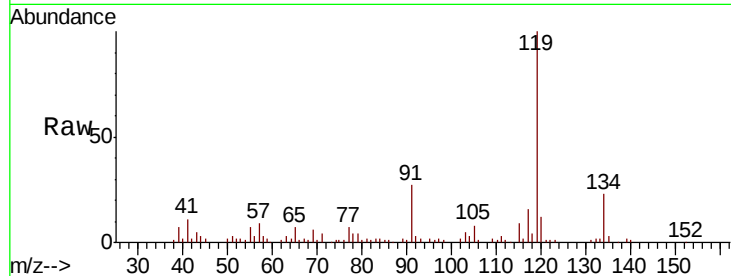




#69
 p-Isopropyltoluene
 Concen: 0.144 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.04 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

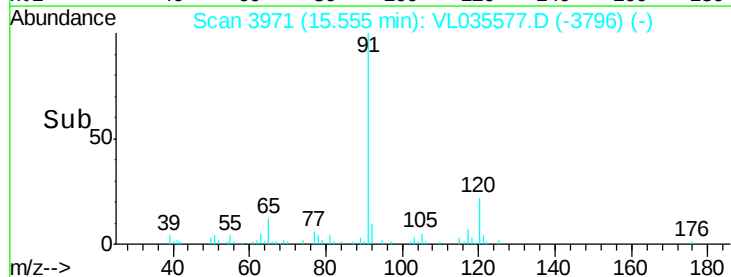
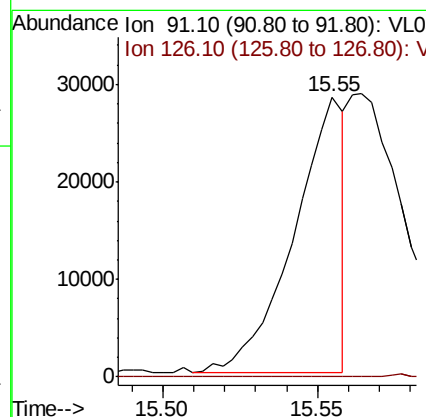
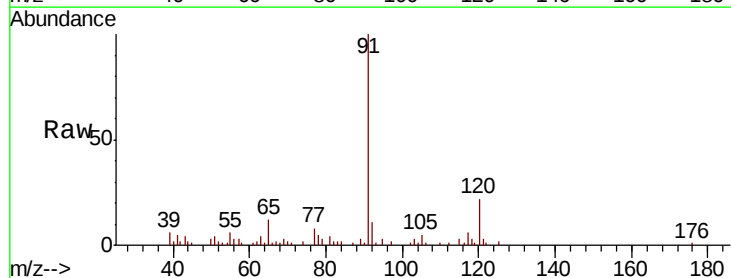
Instrument :
 MSVOA_L
 ClientSampled :
 SS-8

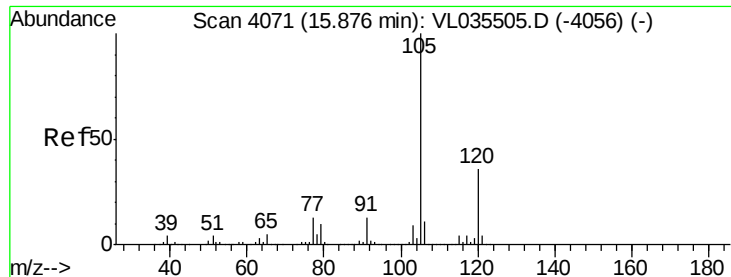
Tot Ion:119 Resp: 95360
 Ion Ratio Lower Upper
 119 100
 134 29.5 25.0 37.4
 91 28.9 22.3 33.5



#71
 2-Chlorotoluene
 Concen: 0.072 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T. 0.06 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

Tgt Ion: 91 Resp: 31917
 Ion Ratio Lower Upper
 91 100
 126 0.9 15.6 62.6#





#72

4-Ethyltoluene

Concen: 0.191 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.03 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

SS-8

Tot Ion:105 Resp: 91890

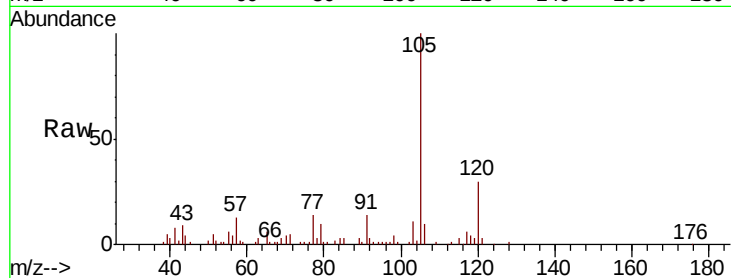
Ion Ratio Lower Upper

105 100

120 33.2 27.4 41.2

91 16.8 9.7 14.5#

77 14.9 9.6 14.4#

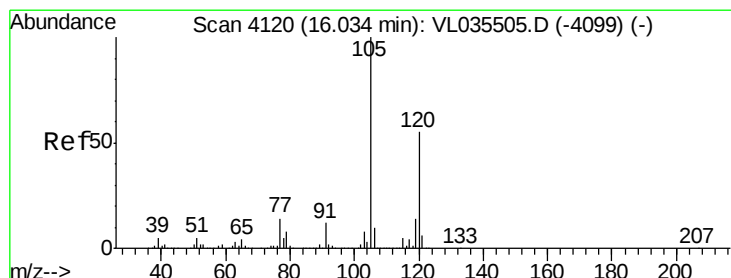
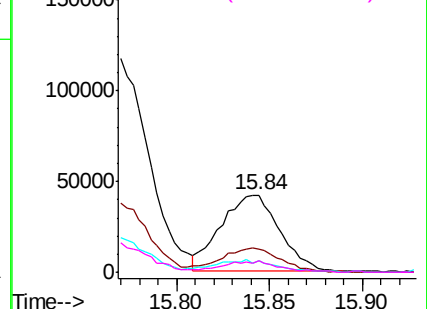
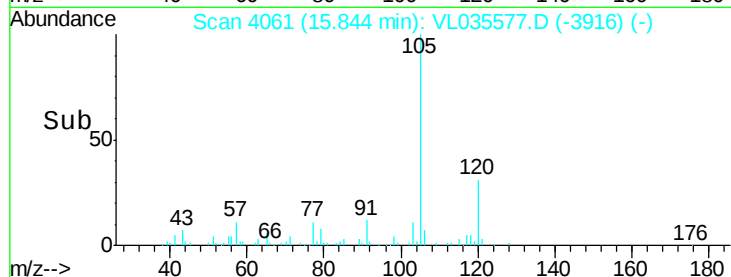


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.419 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.04 min

Lab File: VL035577.D

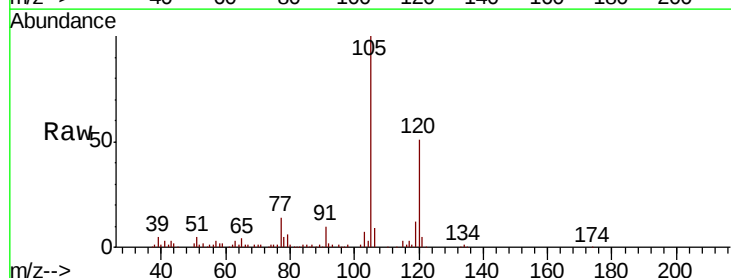
Acq: 9 Sep 2020 7:51

Tgt Ion:105 Resp: 186622

Ion Ratio Lower Upper

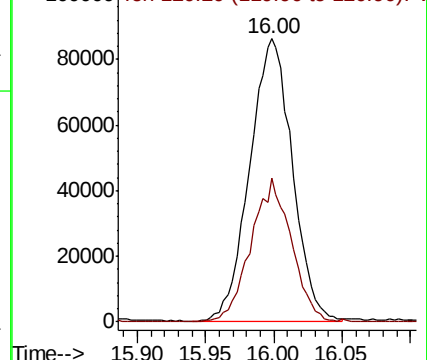
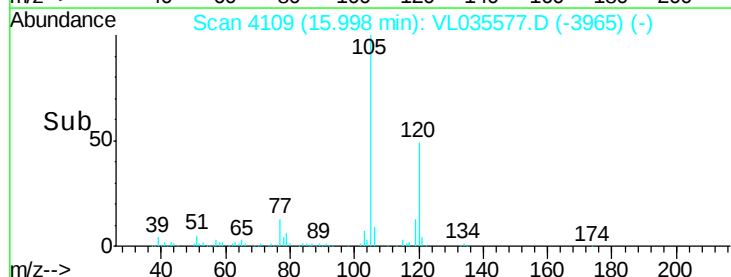
105 100

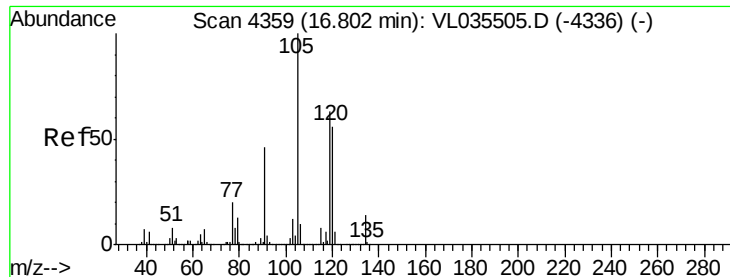
120 51.1 44.2 66.2



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: 1.189 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.04 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampleId :

SS-8

Tot Ion:105 Resp: 581454

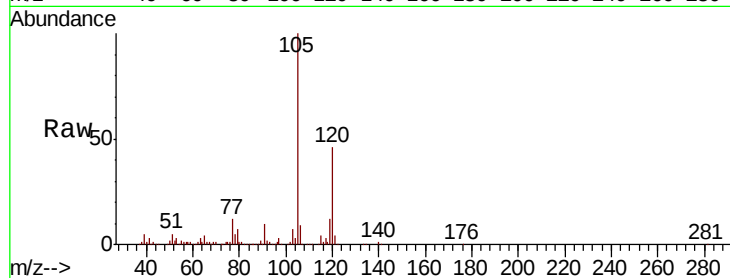
Ion Ratio Lower Upper

105 100

120 45.5 44.4 66.6

91 10.2 37.1 55.7#

77 11.8 16.0 24.0#

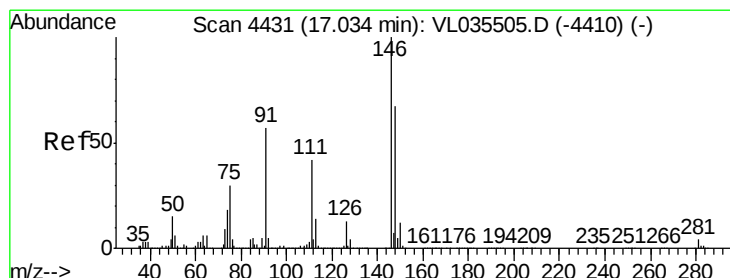
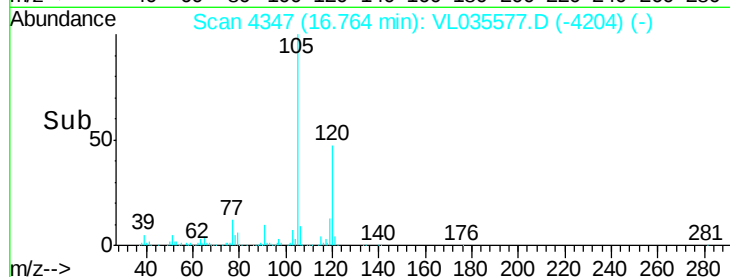
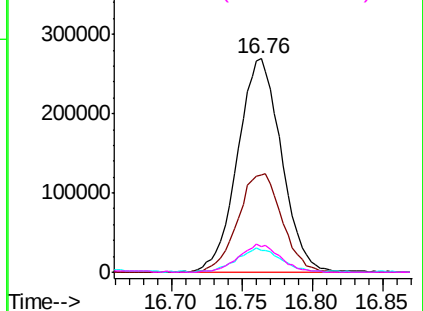


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.393 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. 0.10 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

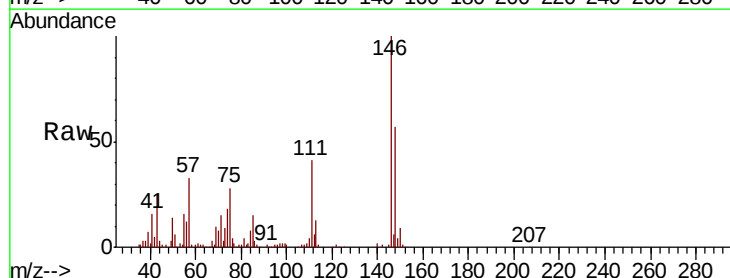
Tgt Ion:146 Resp: 142328

Ion Ratio Lower Upper

146 100

111 43.8 20.7 62.1

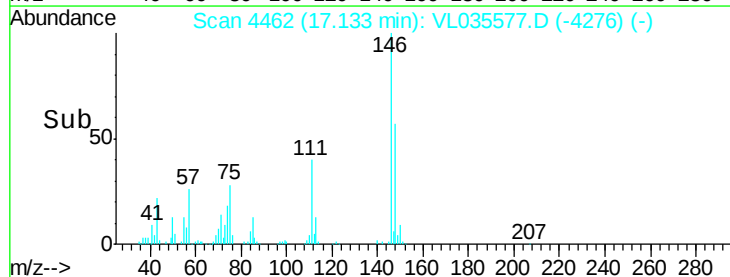
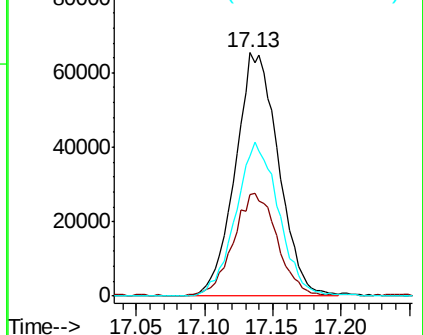
148 63.7 33.0 98.9

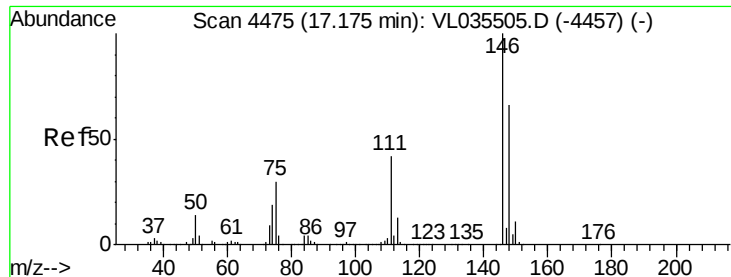


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.398 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. -0.04 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampled :

SS-8

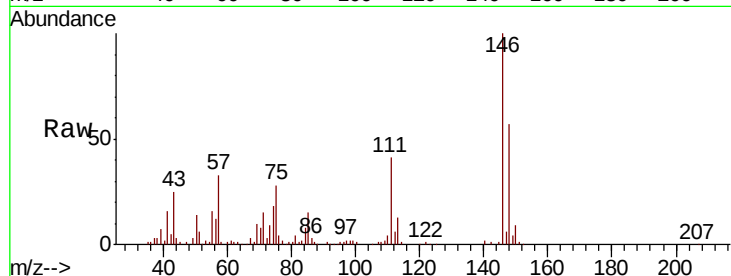
Tot Ion:146 Resp: 142328

Ion Ratio Lower Upper

146 100

111 42.9 20.0 60.0

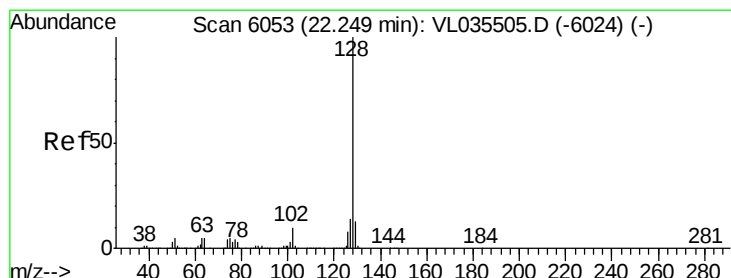
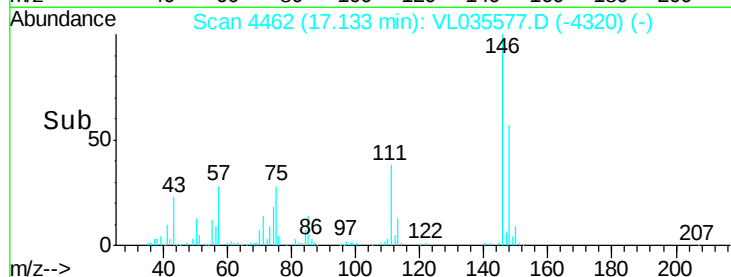
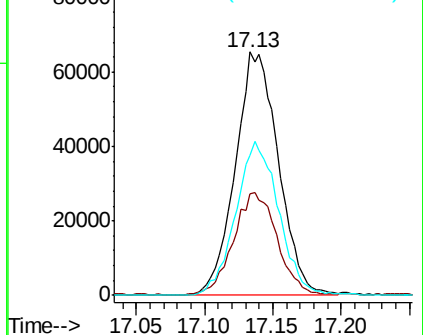
148 63.6 33.2 99.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#79

Naphthalene

Concen: 2.838 ppbv

RT: 22.21 min Scan# 6041

Delta R.T. -0.04 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

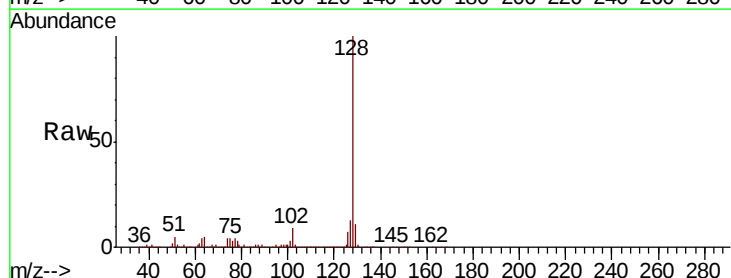
Tgt Ion:128 Resp: 1539723

Ion Ratio Lower Upper

128 100

127 12.6 11.4 17.2

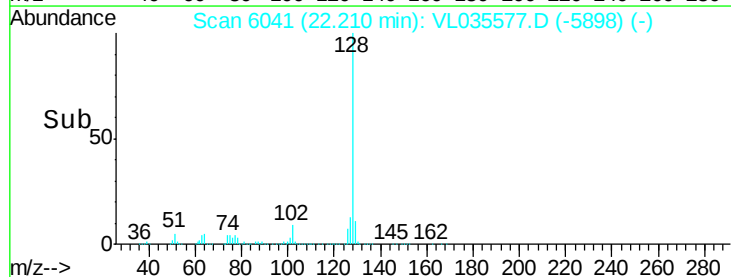
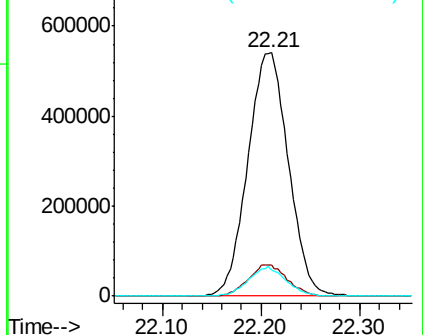
129 10.6 10.5 15.7

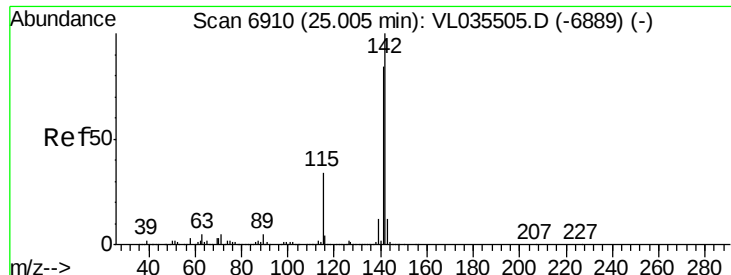


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

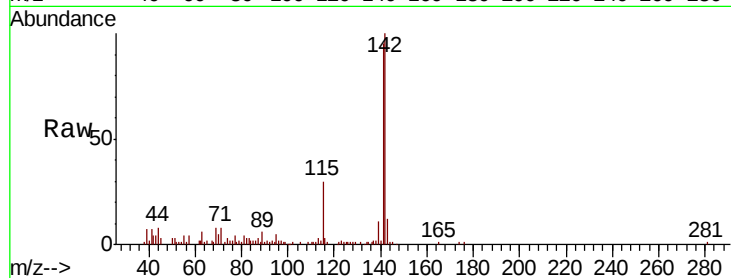




#80
 Naphthalene, 2-methyl-
 Concen: 0.406 ppbv
 RT: 24.98 min Scan# 6903
 Delta R.T. -0.02 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.9	67.6	101.4
115	34.3	25.8	38.8



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 141.00 (140.70 to 141.70): V
 Ion 115.00 (114.70 to 115.70): V

