

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035609.D
 Acq On : 14 Sep 2020 21:39
 Operator : SY/AP
 Sample : L3983-04 20X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-12

Quant Time: Sep 15 06:42:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	997504	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4280908	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4315377	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3258640	10.63	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%

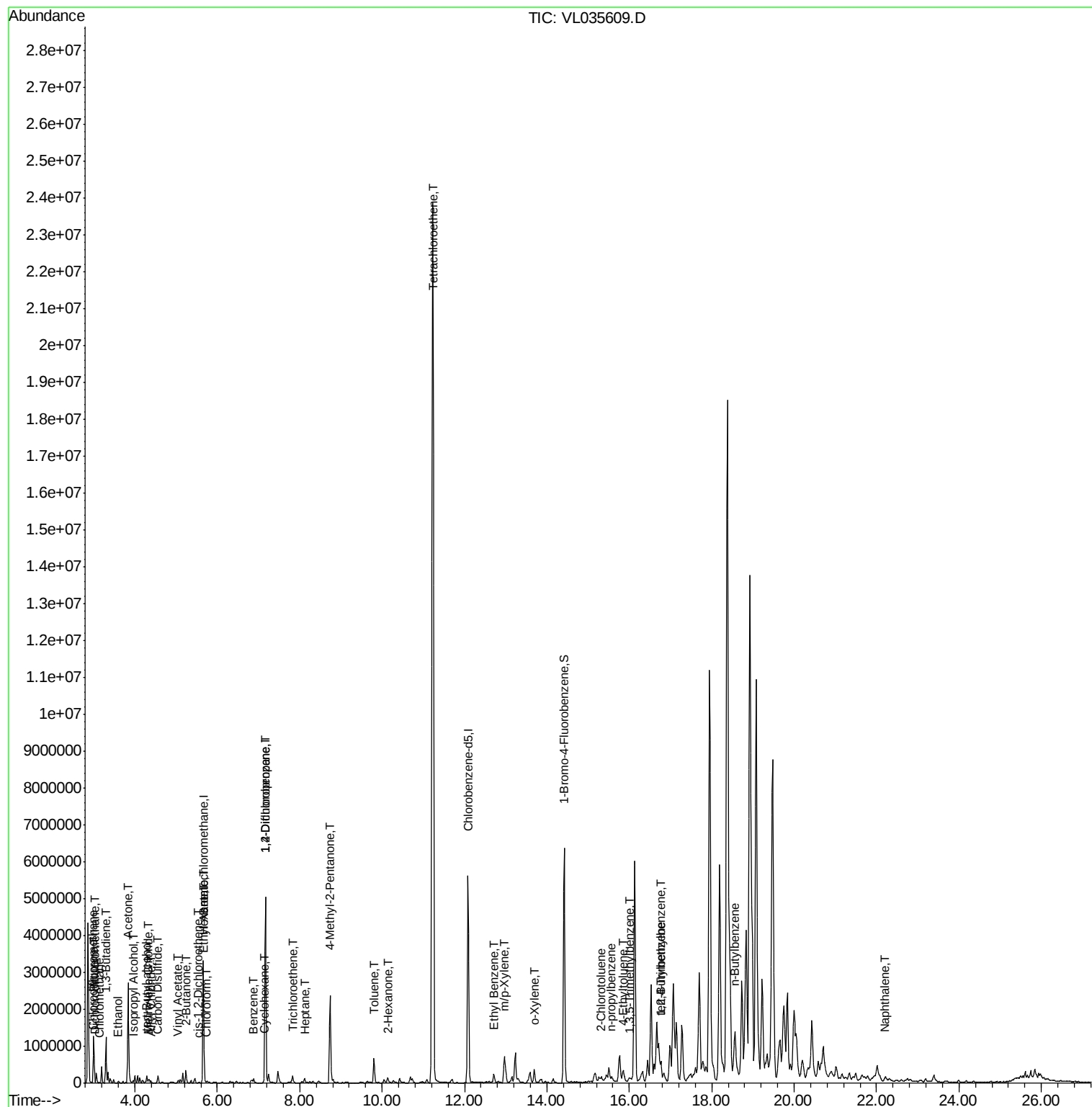
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	7535	0.044 ppbv	# 74
3) Chlorodifluoromethane	2.97	51	3466	0.031 ppbv	93
4) Chloromethane	3.13	50	7747	0.131 ppbv	96
9) Propene	3.00	41	498701	11.726 ppbv	94
10) Heptane	8.12	43	37155	0.325 ppbv	100
13) Ethanol	3.59	45	25946	2.460 ppbv	# 45
15) Acetone	3.84	43	2615010	23.770 ppbv	95
16) 1,3-Butadiene	3.30	39	303300	7.406 ppbv	# 11
17) tert-Butyl alcohol	4.29	59	114345	0.854 ppbv	98
19) Isopropyl Alcohol	3.96	45	35095	0.535 ppbv	# 93
20) Methylene Chloride	4.33	84	41688	0.509 ppbv	92
21) Allyl Chloride	4.39	41	2753	0.053 ppbv	# 1
23) Vinyl Acetate	5.05	43	27856	0.197 ppbv	# 67
25) Ethyl Acetate	5.68	43	52420	0.270 ppbv	# 86
26) Hexane	5.67	57	64645	0.587 ppbv	# 51
27) Carbon Disulfide	4.54	76	50809	0.322 ppbv	98
29) Chloroform	5.74	83	13629	0.061 ppbv	90
30) Cyclohexane	7.12	84	15504	0.131 ppbv	# 20
31) cis-1,2-Dichloroethene	5.54	61	3539	0.031 ppbv	87
34) 2-Butanone	5.24	43	323071	2.543 ppbv	99
36) Benzene	6.88	78	94227	0.340 ppbv	# 94
38) Trichloroethene	7.83	130	58890	0.366 ppbv	98
39) 1,2-Dichloropropane	7.17	63	784077	8.376 ppbv	# 32
50) 4-Methyl-2-Pentanone	8.73	43	1709616	9.293 ppbv	100
51) 2-Hexanone	10.14	43	102608	0.680 ppbv	# 100
52) Tetrachloroethene	11.23	164	5256605	32.471 ppbv	# 79
53) Toluene	9.81	91	590573	1.695 ppbv	98
58) Ethyl Benzene	12.71	91	221759	0.498 ppbv	93
59) m/p-Xylene	12.97	91	793113	2.133 ppbv	96
60) o-Xylene	13.70	91	265787	0.710 ppbv	96
64) n-propylbenzene	15.57	120	15792	0.086 ppbv	# 1
65) tert-Butylbenzene	16.76	119	52184	0.093 ppbv	# 74
70) n-Butylbenzene	18.56	91	30523	0.048 ppbv	# 29
71) 2-Chlorotoluene	15.32	91	33028	0.075 ppbv	# 37
72) 4-Ethyltoluene	15.84	105	194601	0.409 ppbv	95
73) 1,3,5-Trimethylbenzene	16.00	105	90676	0.206 ppbv	92
74) 1,2,4-Trimethylbenzene	16.77	105	428009	0.885 ppbv	# 71
79) Naphthalene	22.21	128	35018	0.065 ppbv	99

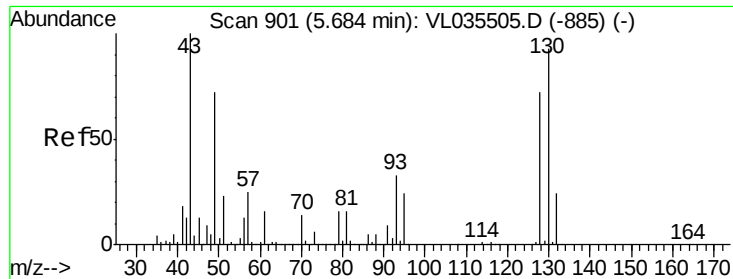
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampleId :

SV-12

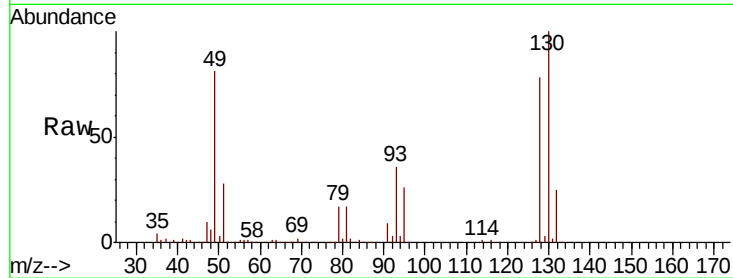
Tot Ion: 49 Resp: 997504

Ion Ratio Lower Upper

49 100

128 94.2 50.0 150.1

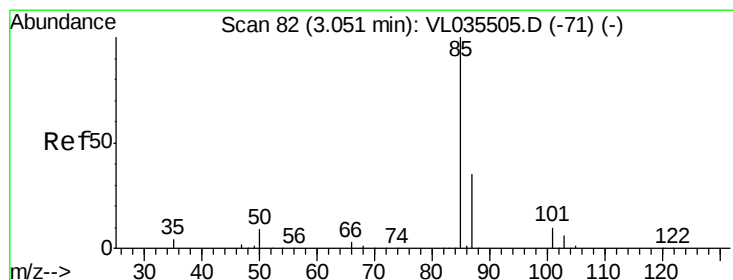
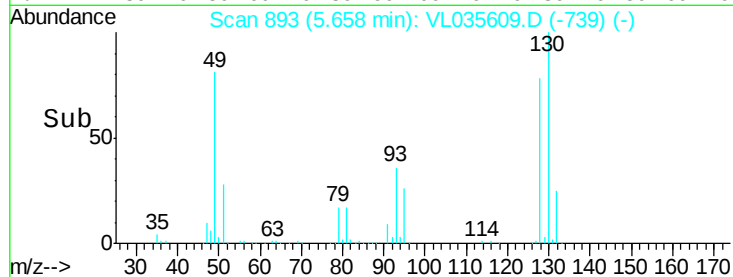
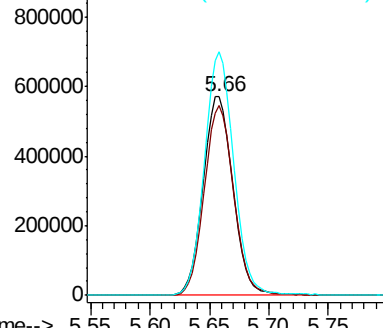
130 120.2 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.044 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL035609.D

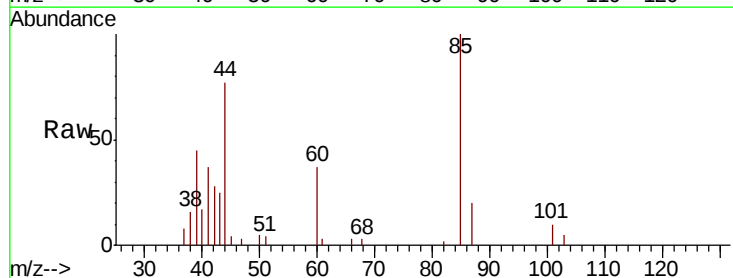
Acq: 14 Sep 2020 21:39

Tgt Ion: 85 Resp: 7535

Ion Ratio Lower Upper

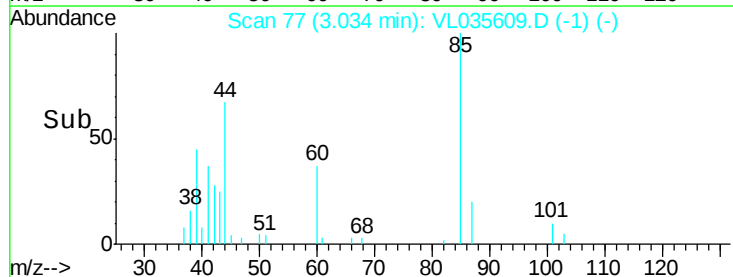
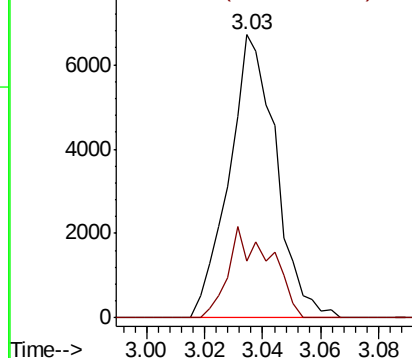
85 100

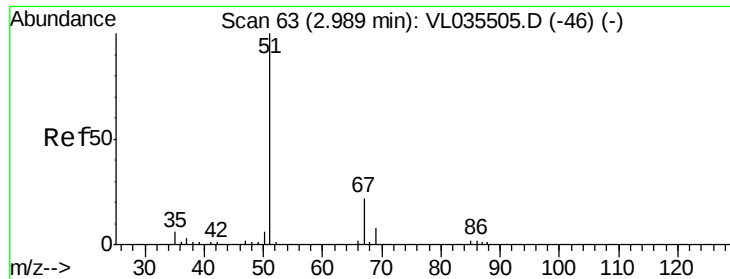
87 20.0 28.0 42.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.031 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampleId :

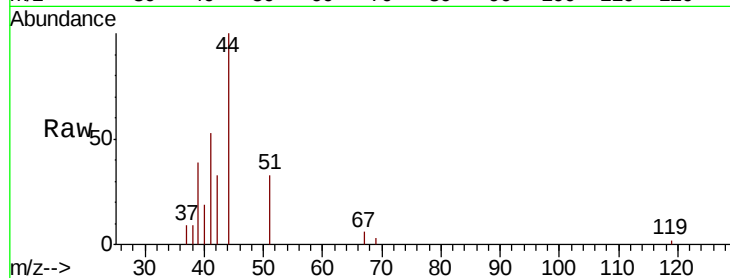
SV-12

Tot Ion: 51 Resp: 3466

Ion Ratio Lower Upper

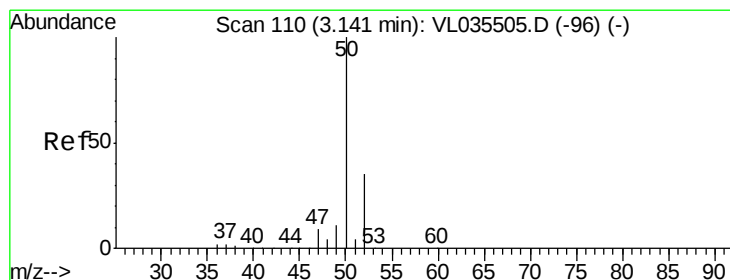
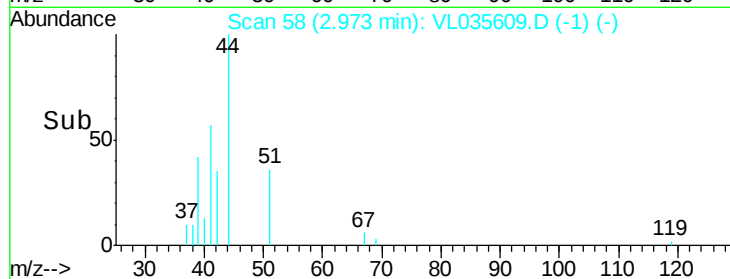
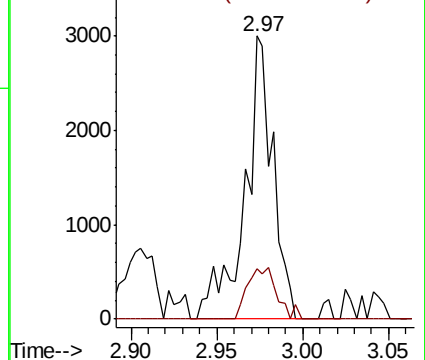
51 100

67 18.8 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: 0.131 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL035609.D

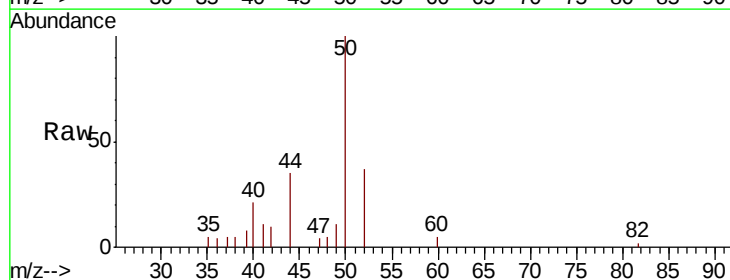
Acq: 14 Sep 2020 21:39

Tgt Ion: 50 Resp: 7747

Ion Ratio Lower Upper

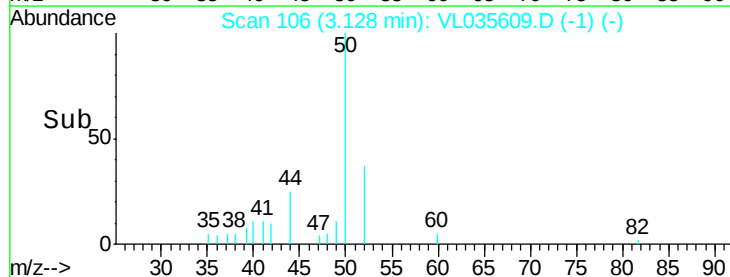
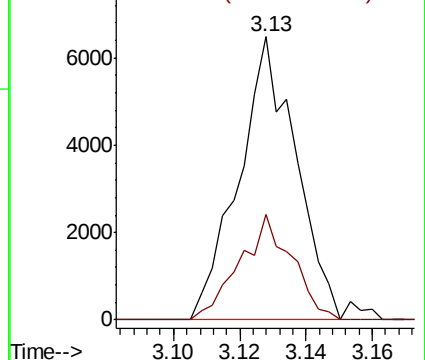
50 100

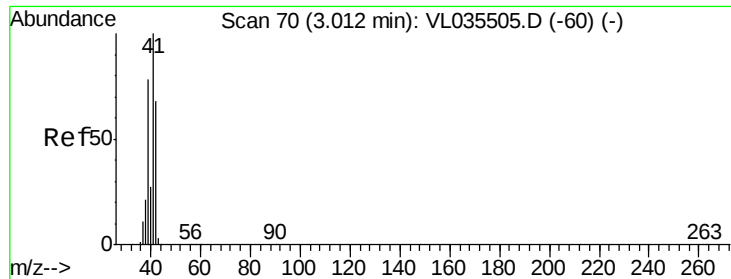
52 37.1 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 11.726 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampleId :

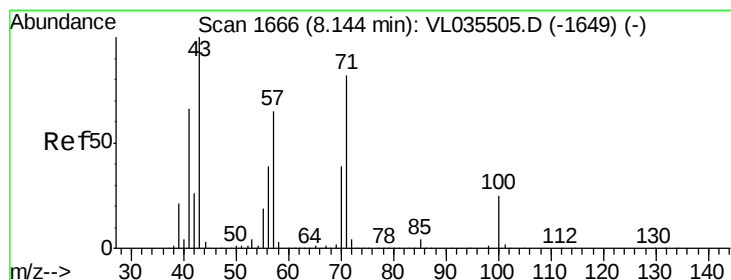
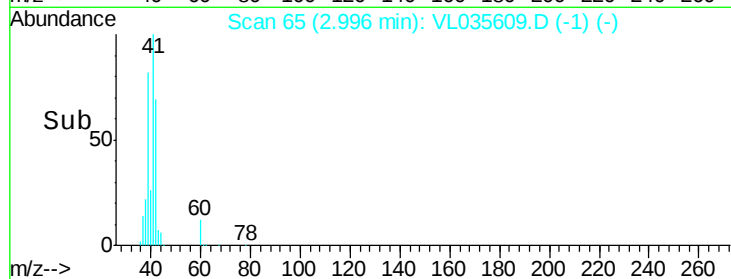
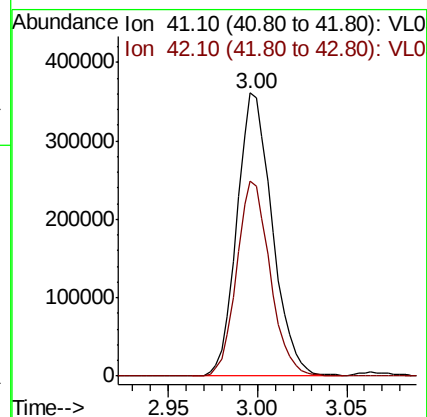
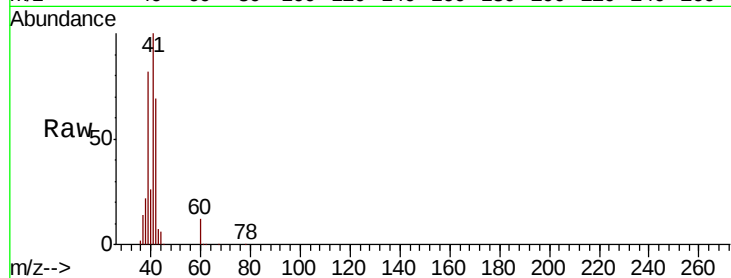
SV-12

Tot Ion: 41 Resp: 498701

Ion Ratio Lower Upper

41 100

42 65.4 56.3 84.5



#10

Heptane

Concen: 0.325 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL035609.D

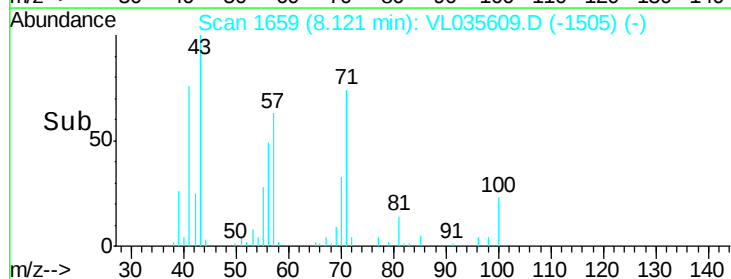
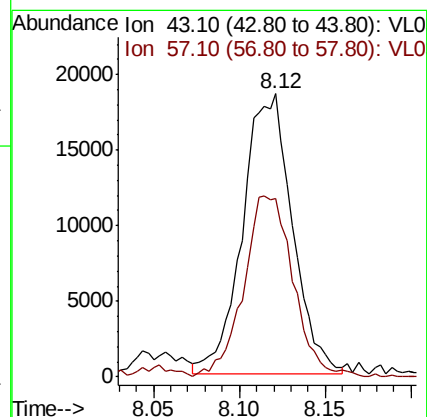
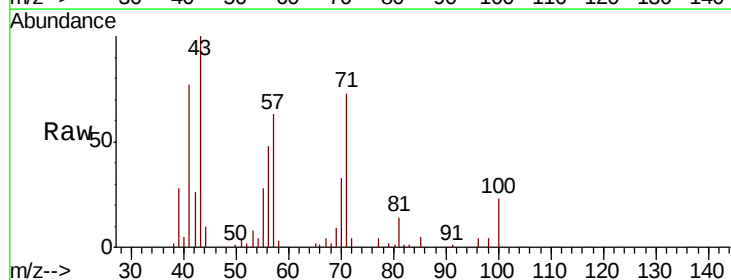
Acq: 14 Sep 2020 21:39

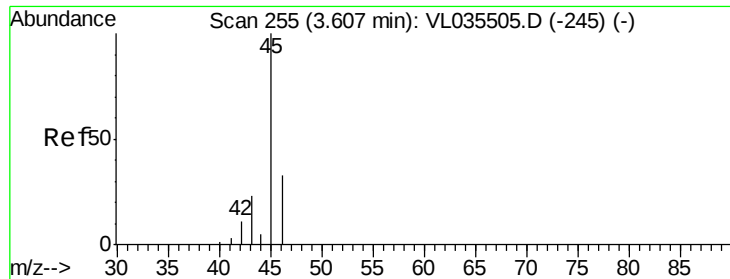
Tgt Ion: 43 Resp: 37155

Ion Ratio Lower Upper

43 100

57 64.4 51.4 77.0

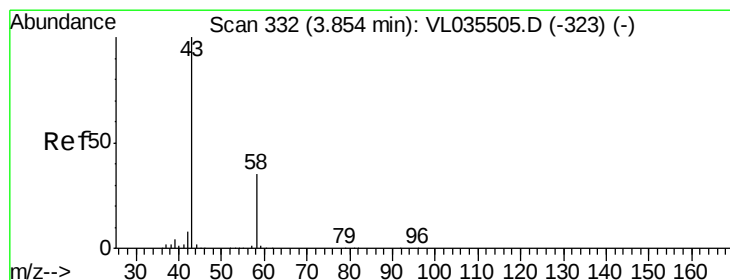
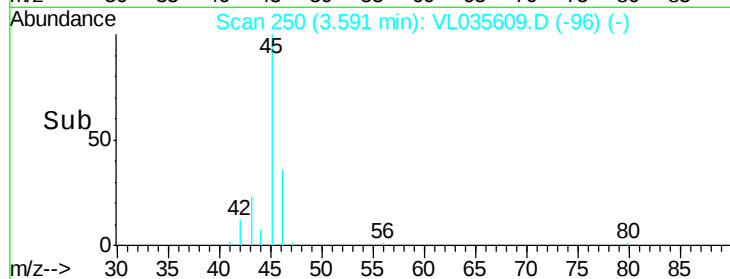
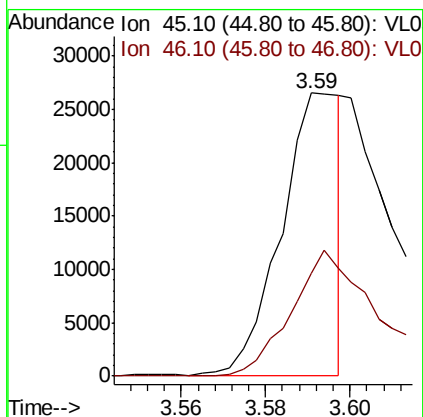
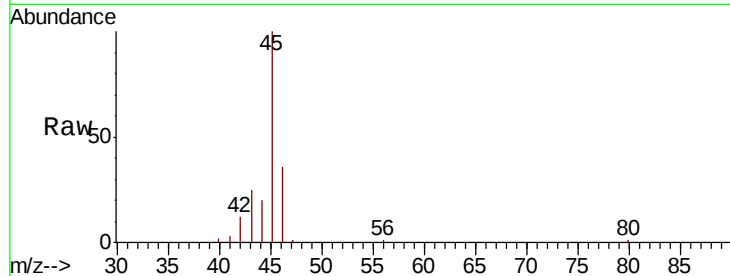




#13
Ethanol
Concen: 2.460 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.01 min
Lab File: VL035609.D
Acq: 14 Sep 2020 21:39

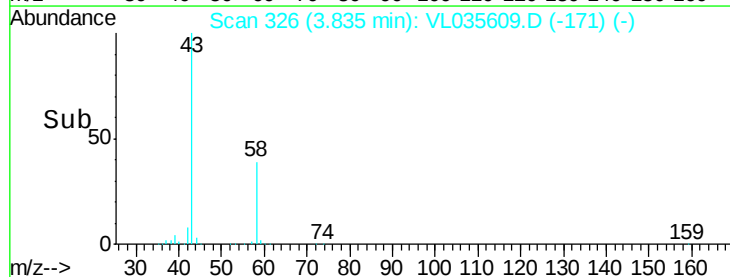
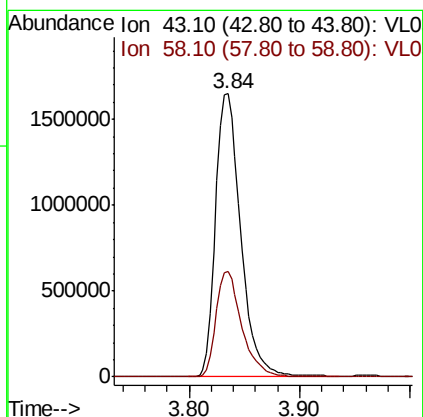
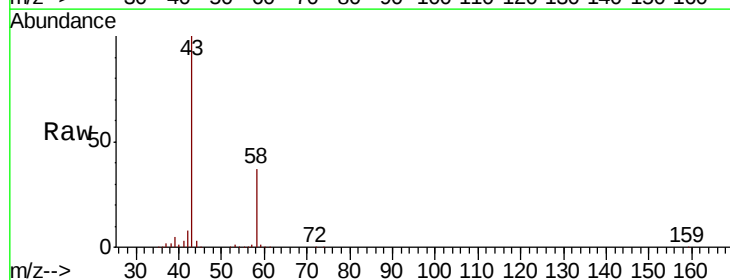
Instrument :
MSVOA_L
ClientSampleId :
SV-12

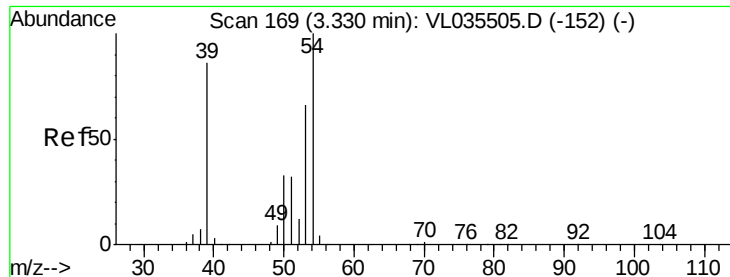
Tot Ion: 45 Resp: 25946
Ion Ratio Lower Upper
45 100
46 70.9 15.2 60.6#



#15
Acetone
Concen: 23.770 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL035609.D
Acq: 14 Sep 2020 21:39

Tgt Ion: 43 Resp: 2615010
Ion Ratio Lower Upper
43 100
58 38.4 28.4 42.6

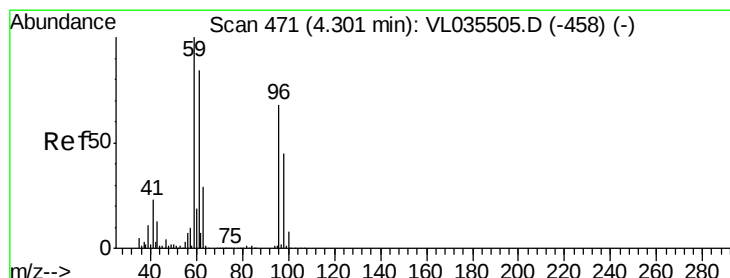
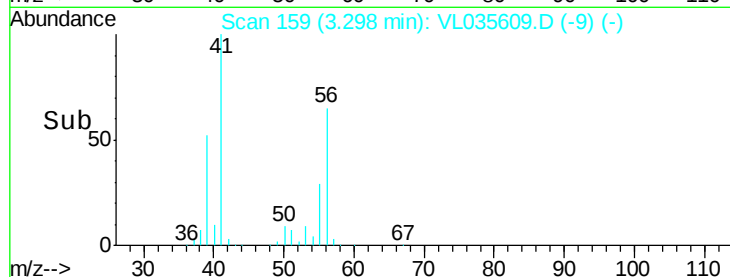
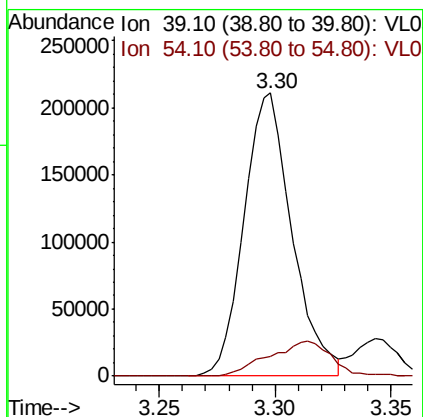
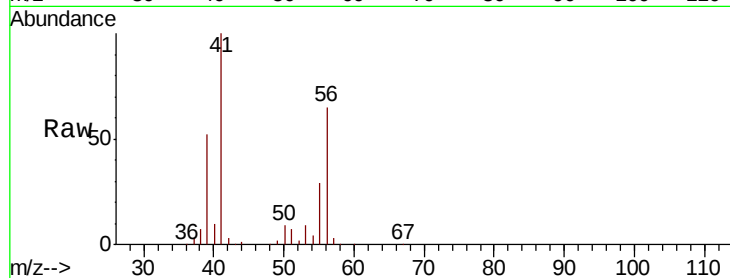




#16
 1,3-Butadiene
 Concen: 7.406 ppbv
 RT: 3.30 min Scan# 159
 Delta R.T. -0.02 min
 Lab File: VL035609.D
 Acq: 14 Sep 2020 21:39

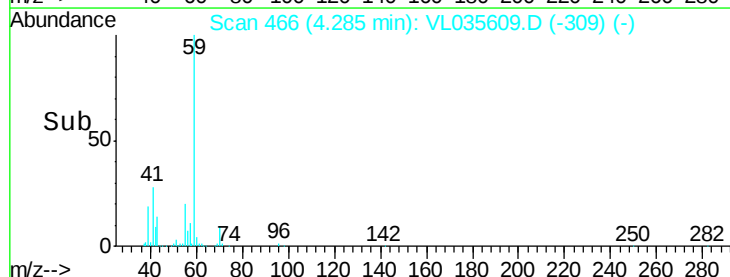
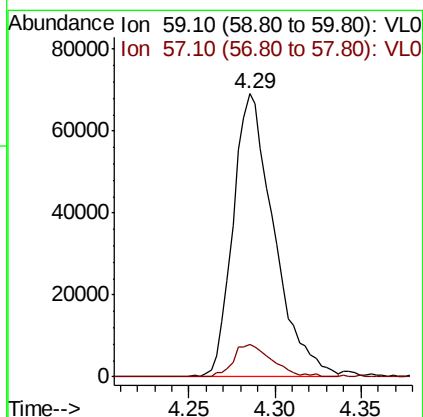
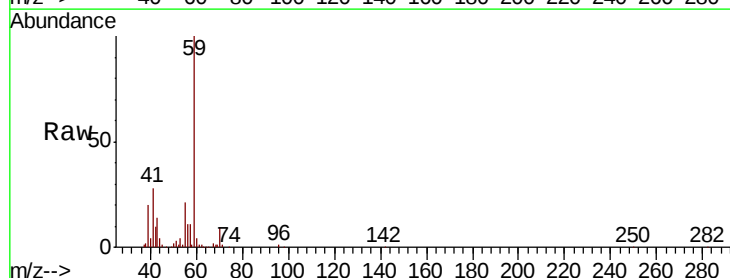
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-12

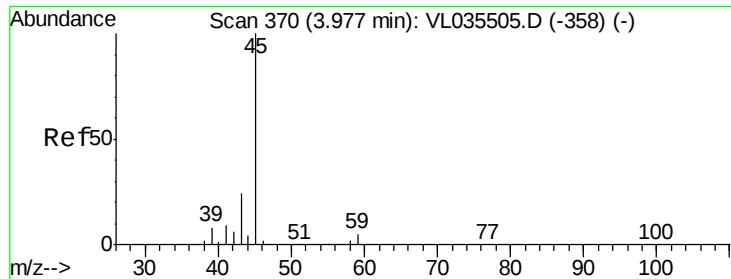
Tot Ion: 39 Resp: 303300
 Ion Ratio Lower Upper
 39 100
 54 16.4 88.4 132.6#



#17
 tert-Butyl alcohol
 Concen: 0.854 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VL035609.D
 Acq: 14 Sep 2020 21:39

Tgt Ion: 59 Resp: 114345
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.4 12.6





#19

Isopropyl Alcohol

Concen: 0.535 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampled :

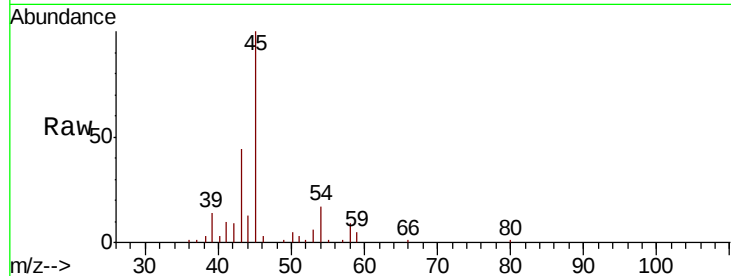
SV-12

Tot Ion: 45 Resp: 35095

Ion Ratio Lower Upper

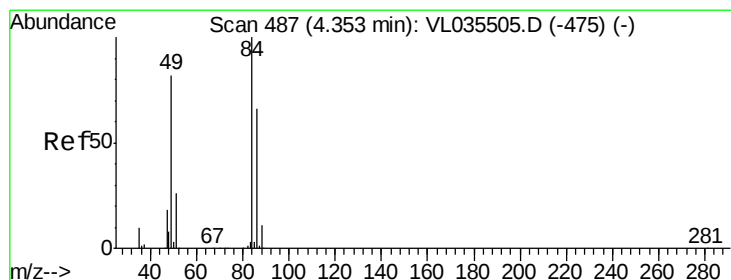
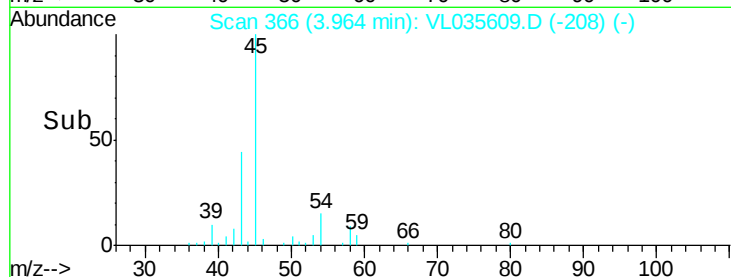
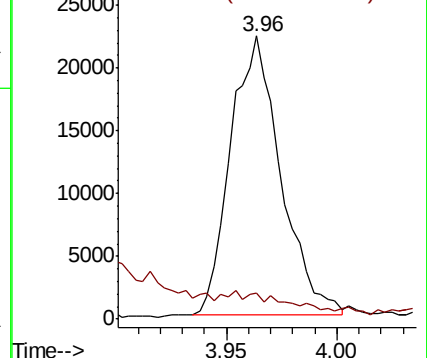
45 100

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



#20

Methylene Chloride

Concen: 0.509 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Tgt Ion: 84 Resp: 41688

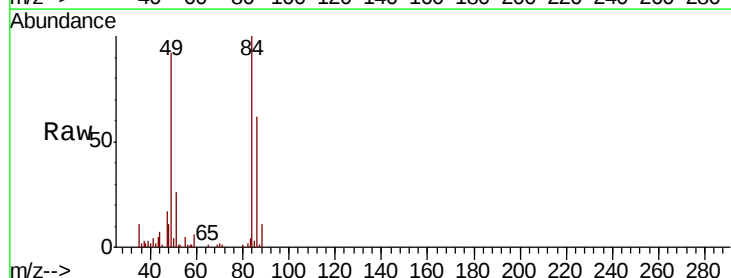
Ion Ratio Lower Upper

84 100

49 91.3 65.4 98.0

51 22.4 21.5 32.3

86 61.8 52.9 79.3

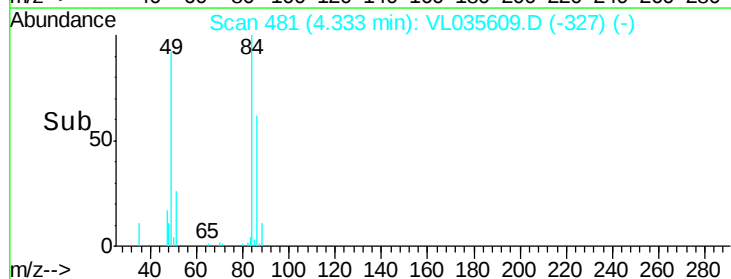
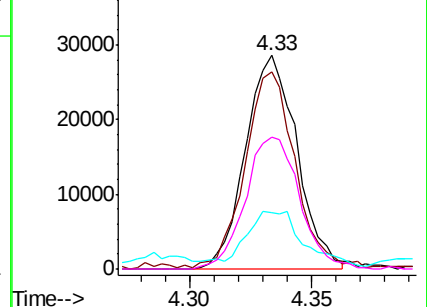


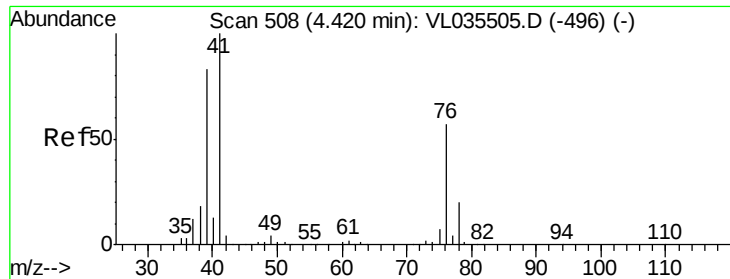
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allvl Chloride

Concen: 0.053 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.01 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampleId :

SV-12

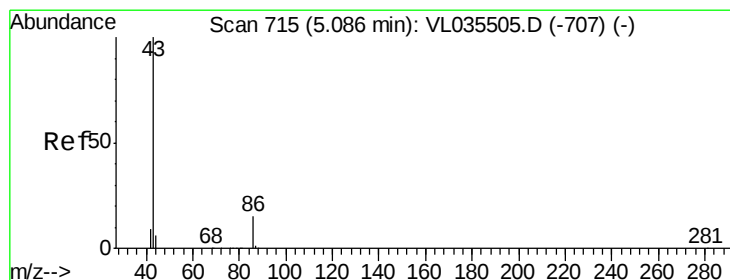
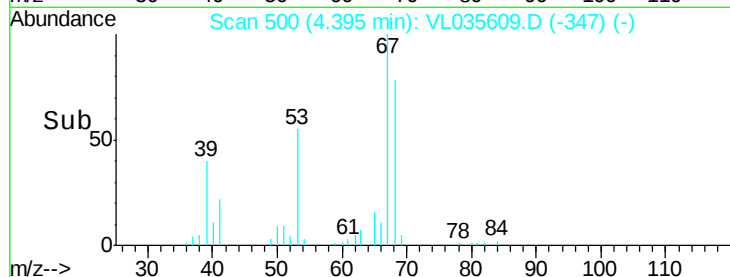
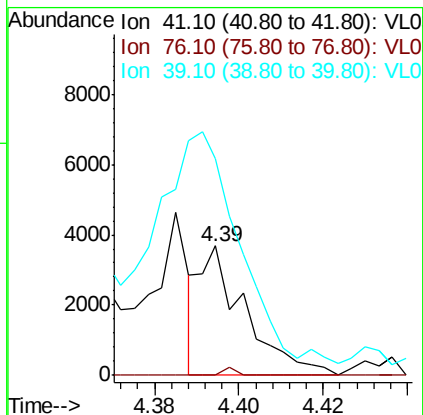
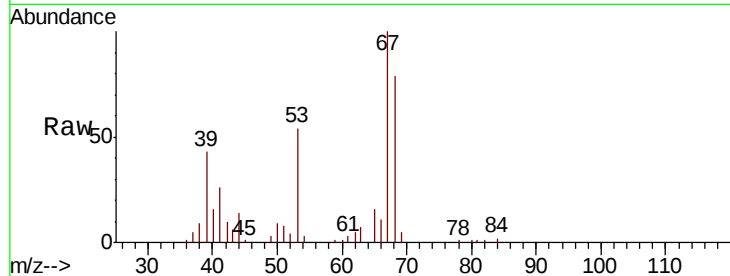
Tot Ion: 41 Resp: 2753

Ion Ratio Lower Upper

41 100

76 0.0 46.2 69.2#

39 363.1 67.8 101.6#



#23

Vinyl Acetate

Concen: 0.197 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.02 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Tgt Ion: 43 Resp: 27856

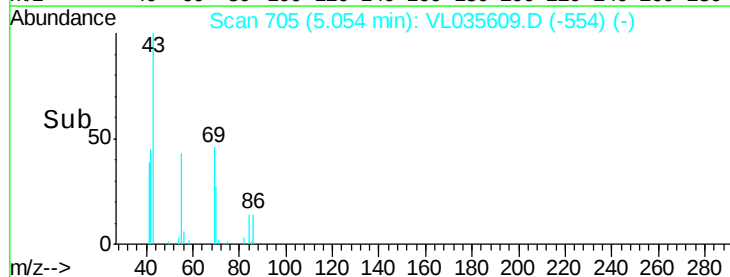
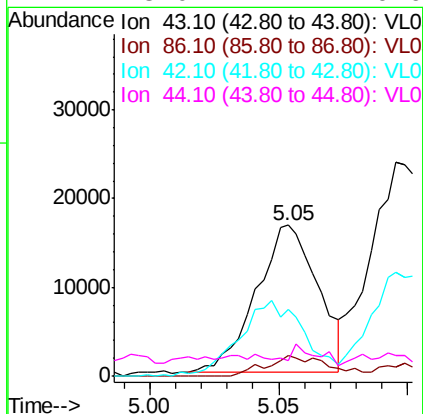
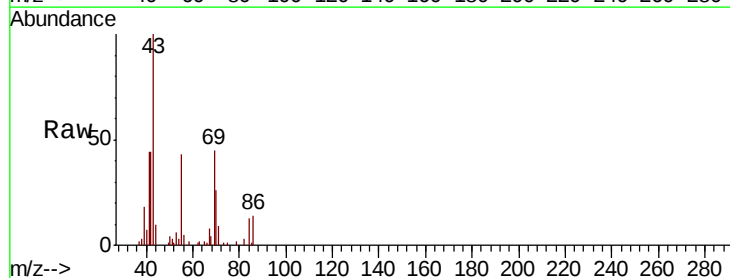
Ion Ratio Lower Upper

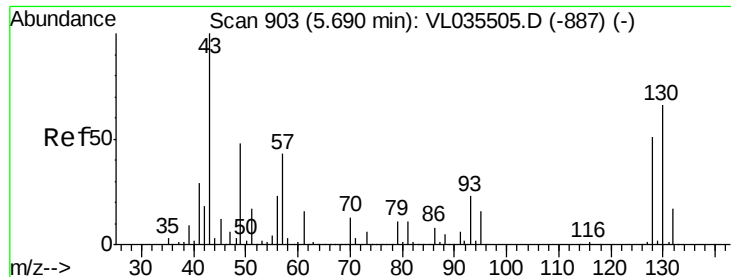
43 100

86 14.0 10.6 16.0

42 43.2 7.5 11.3#

44 3.0 4.4 6.6#





#25

Ethyl Acetate

Concen: 0.270 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampleId :

SV-12

Tot Ion: 43 Resp: 52420

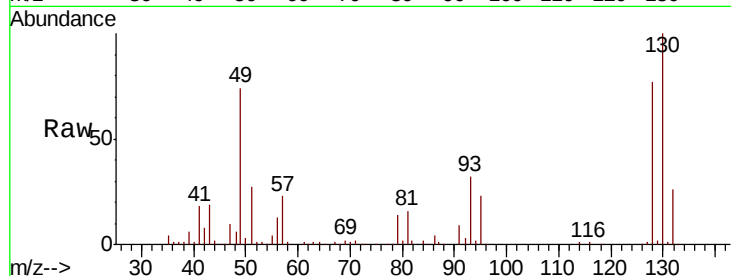
Ion Ratio Lower Upper

43 100

45 5.2 8.4 12.6#

61 6.1 10.6 16.0#

70 8.5 9.4 14.2#

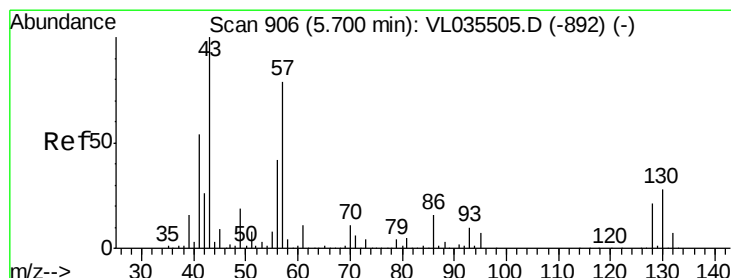
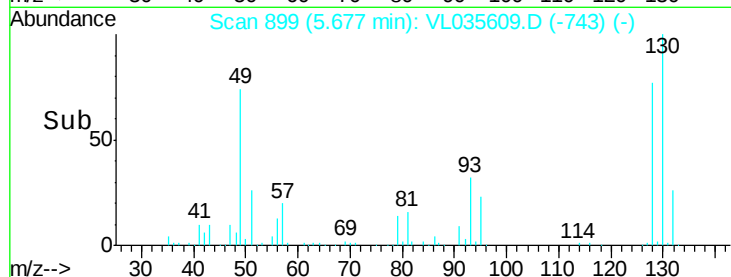
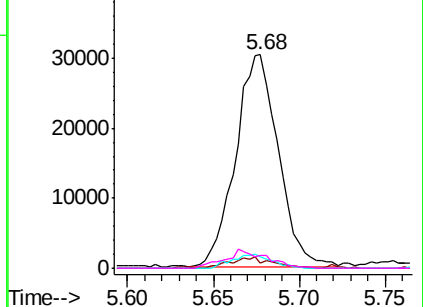


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.587 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Tgt Ion: 57 Resp: 64645

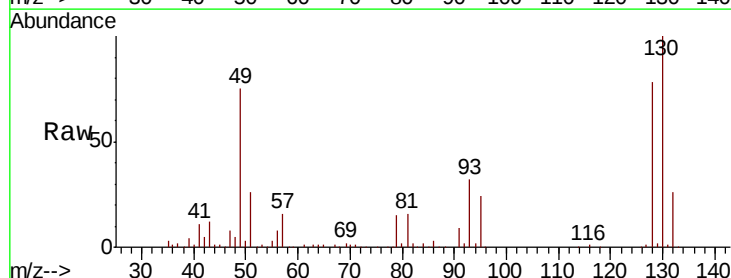
Ion Ratio Lower Upper

57 100

41 93.0 55.9 83.9#

43 82.0 141.8 212.8#

56 61.3 41.8 62.8

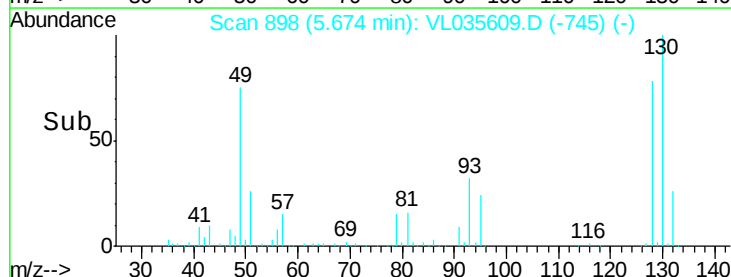
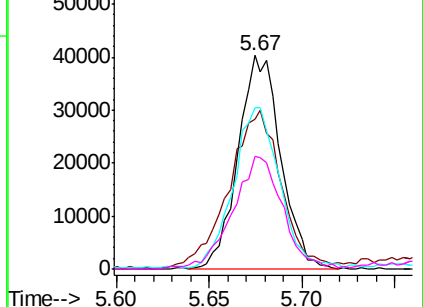


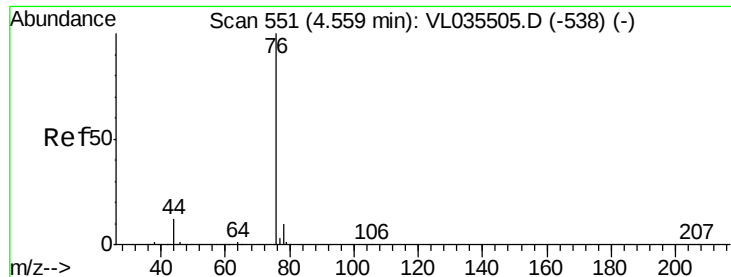
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.322 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.00 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampled :

SV-12

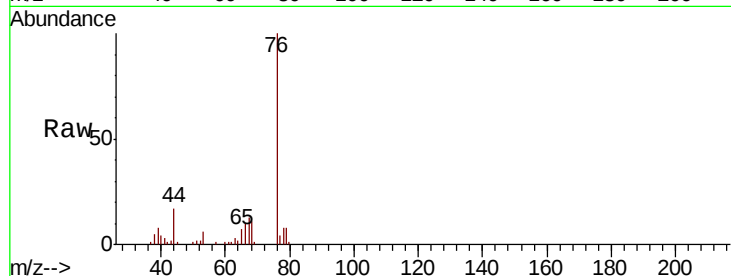
Tot Ion: 76 Resp: 50809

Ion Ratio Lower Upper

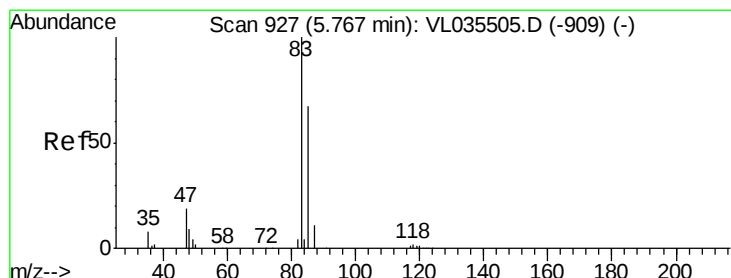
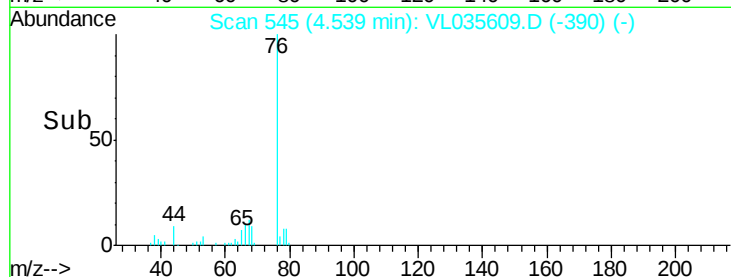
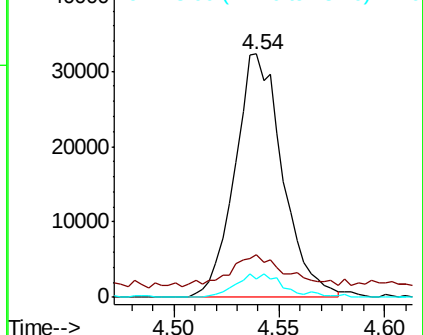
76 100

44 12.8 9.3 13.9

78 9.9 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: 0.061 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL035609.D

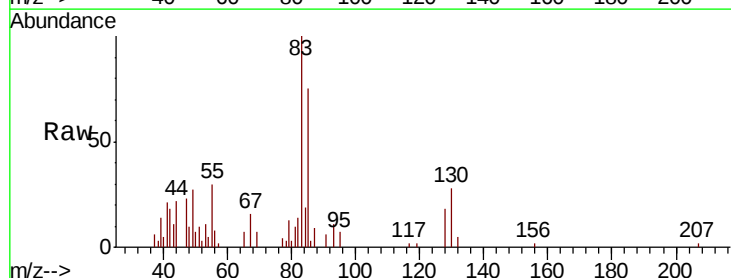
Acq: 14 Sep 2020 21:39

Tgt Ion: 83 Resp: 13629

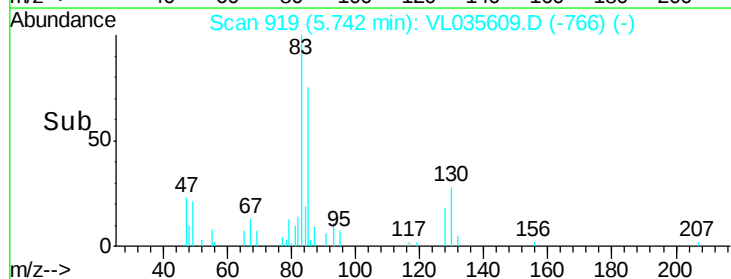
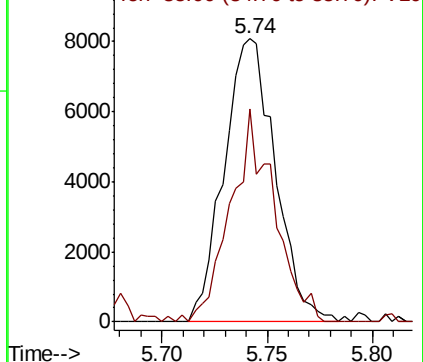
Ion Ratio Lower Upper

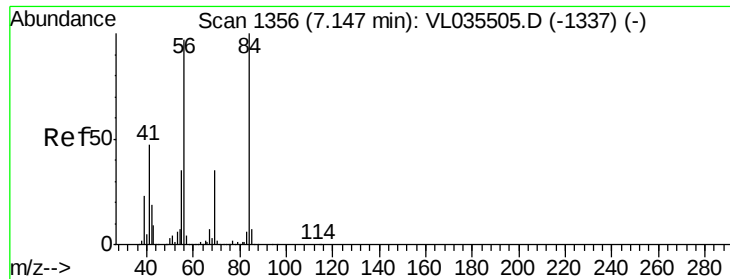
83 100

85 75.2 53.9 80.9



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

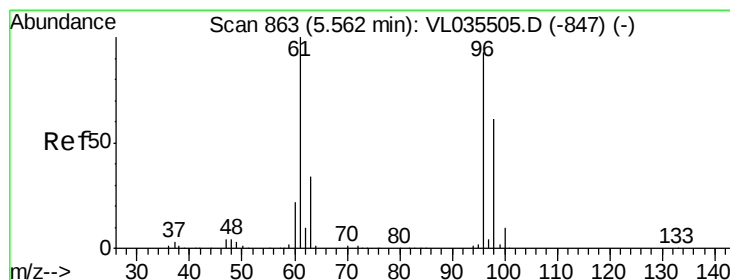
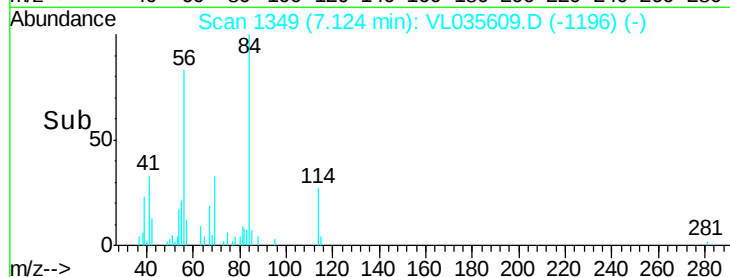
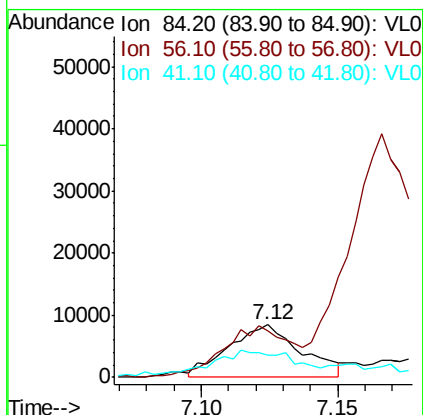
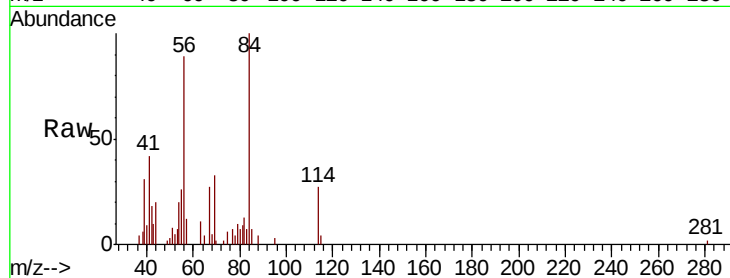




#30
Cvclohexane
Concen: 0.131 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035609.D
Acq: 14 Sep 2020 21:39

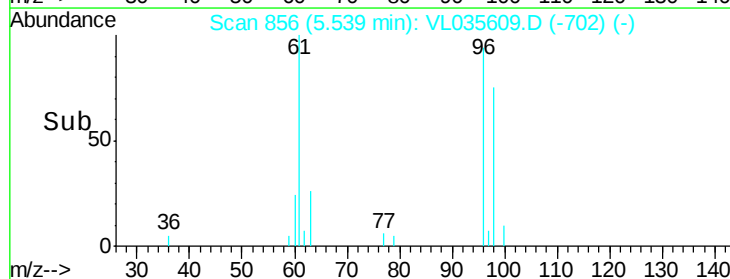
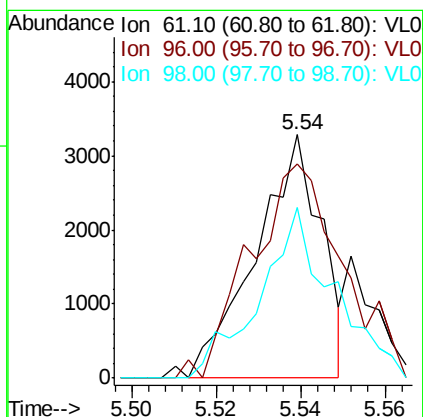
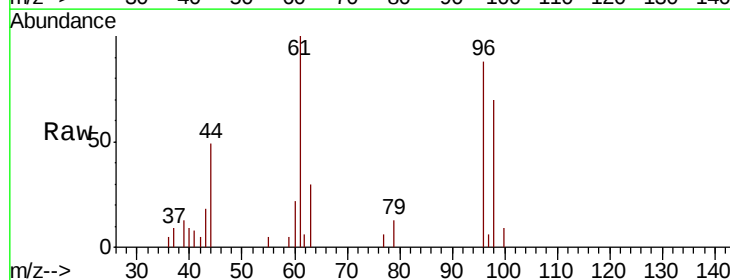
Instrument :
MSVOA_L
ClientSampled :
SV-12

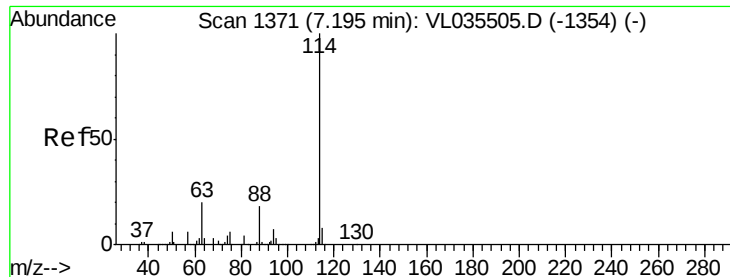
Tot Ion: 84 Resp: 15504
Ion Ratio Lower Upper
84 100
56 0.0 80.1 120.1#
41 73.9 38.1 57.1#



#31
cis-1,2-Dichloroethene
Concen: 0.031 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.01 min
Lab File: VL035609.D
Acq: 14 Sep 2020 21:39

Tgt Ion: 61 Resp: 3539
Ion Ratio Lower Upper
61 100
96 75.7 74.4 111.6
98 66.0 49.2 73.8

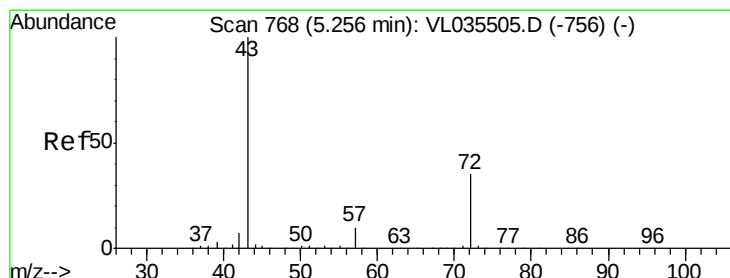
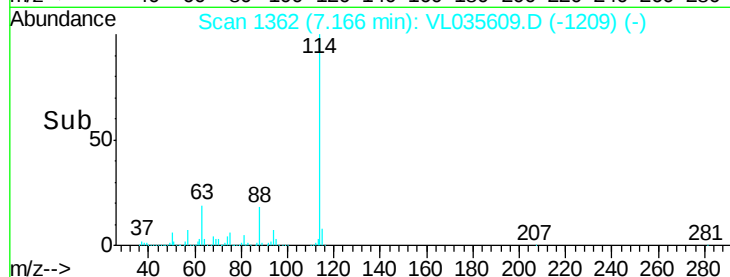
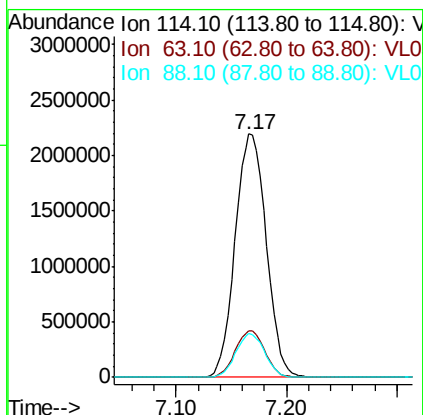
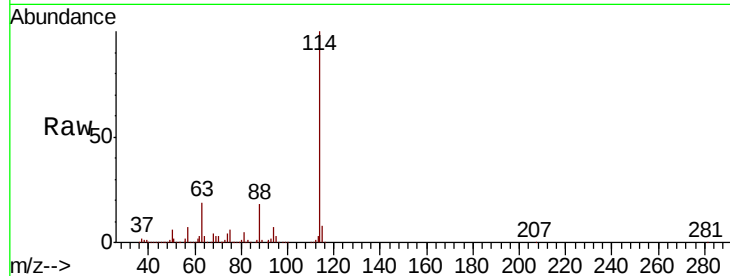




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL035609.D
 Acq: 14 Sep 2020 21:39

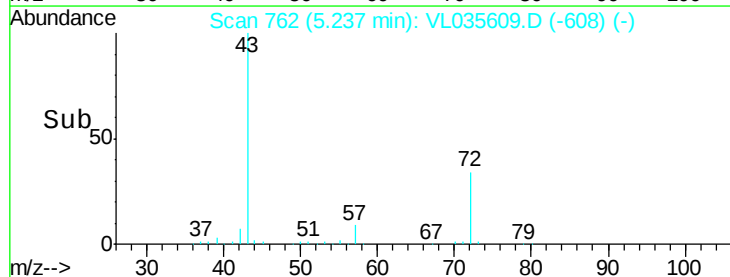
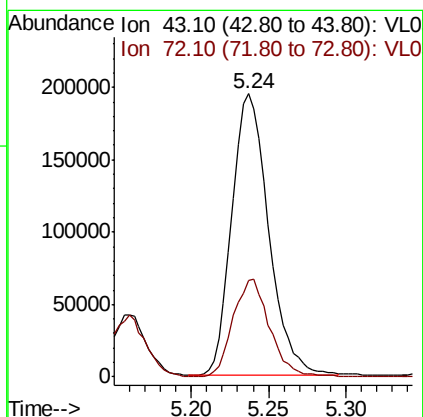
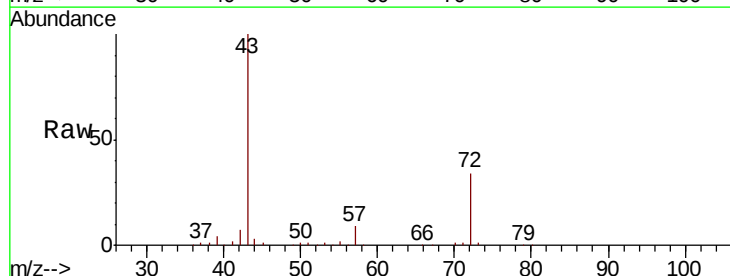
Instrument :
 MSVOA_L
 ClientSampled :
 SV-12

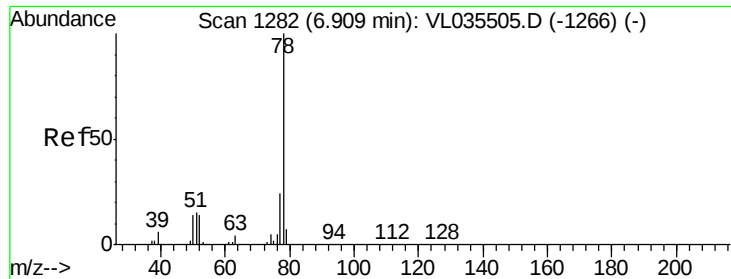
Tot Ion:114 Resp: 4280908
 Ion Ratio Lower Upper
 114 100
 63 18.4 14.7 22.1
 88 17.0 13.4 20.2



#34
 2-Butanone
 Concen: 2.543 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VL035609.D
 Acq: 14 Sep 2020 21:39

Tgt Ion: 43 Resp: 323071
 Ion Ratio Lower Upper
 43 100
 72 33.9 27.7 41.5

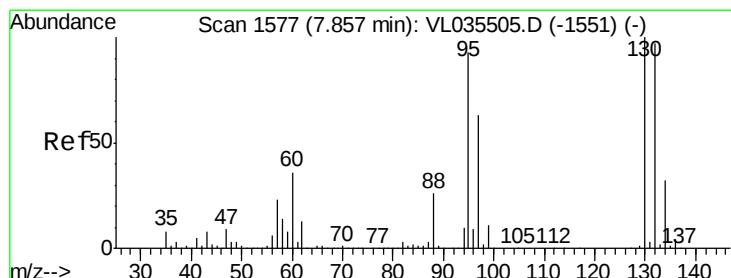
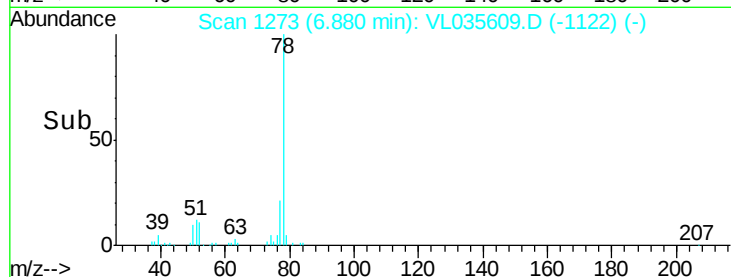
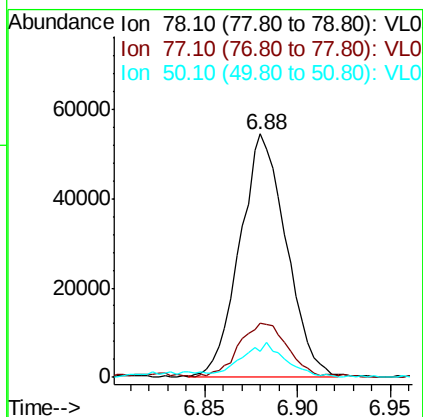
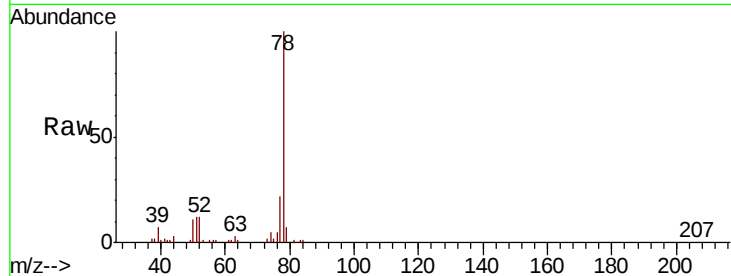




#36
Benzene
Concen: 0.340 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VL035609.D
Acq: 14 Sep 2020 21:39

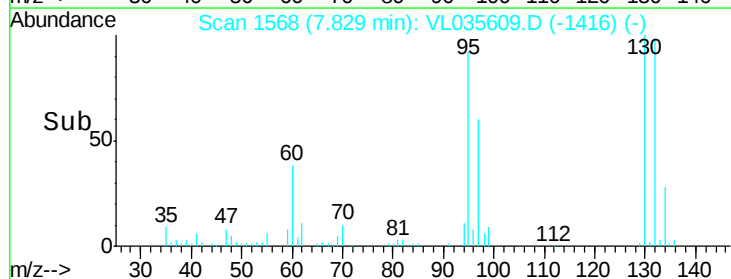
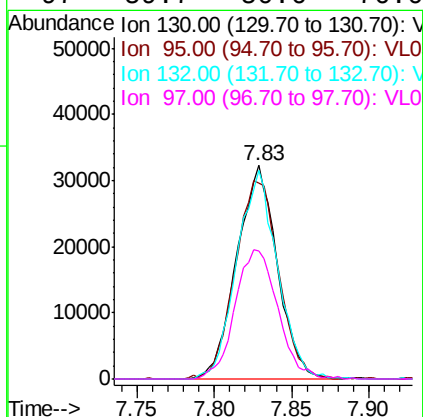
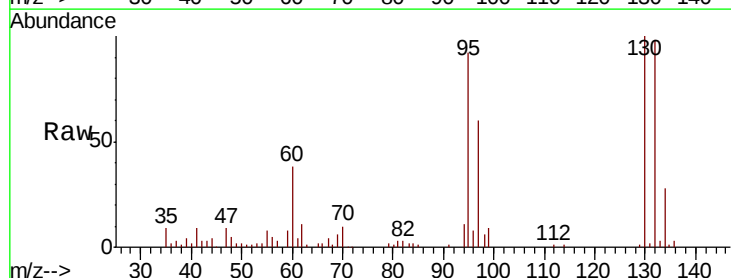
Instrument :
MSVOA_L
ClientSampleId :
SV-12

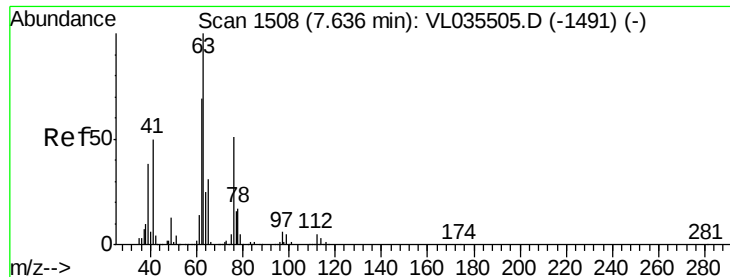
Tot Ion: 78 Resp: 94227
Ion Ratio Lower Upper
78 100
77 21.7 19.3 28.9
50 10.7 11.0 16.6#



#38
Trichloroethene
Concen: 0.366 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VL035609.D
Acq: 14 Sep 2020 21:39

Tgt Ion: 130 Resp: 58890
Ion Ratio Lower Upper
130 100
95 91.0 74.6 112.0
132 97.9 77.6 116.4
97 59.7 50.6 76.0

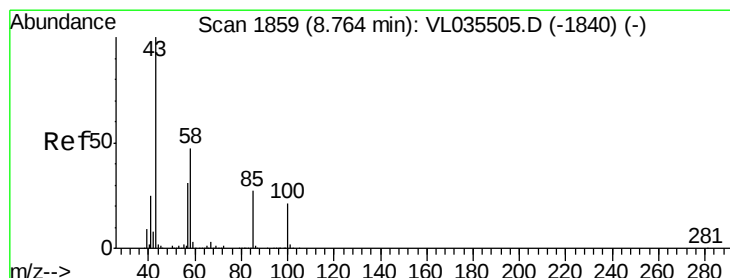
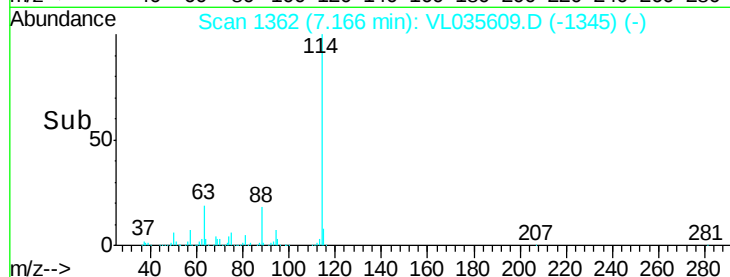
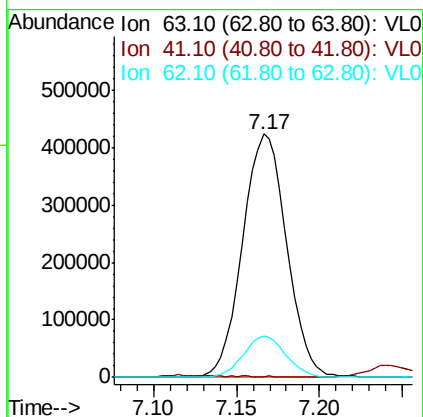
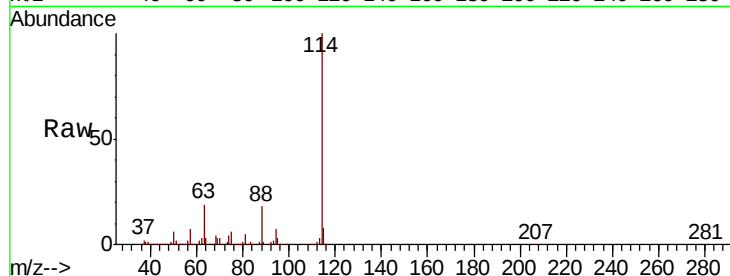




#39
 1,2-Dichloropropane
 Concen: 8.376 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.45 min
 Lab File: VL035609.D
 Acq: 14 Sep 2020 21:39

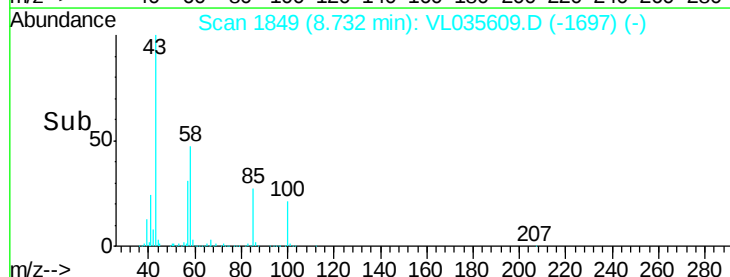
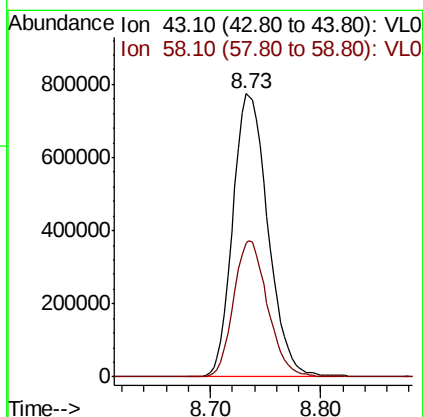
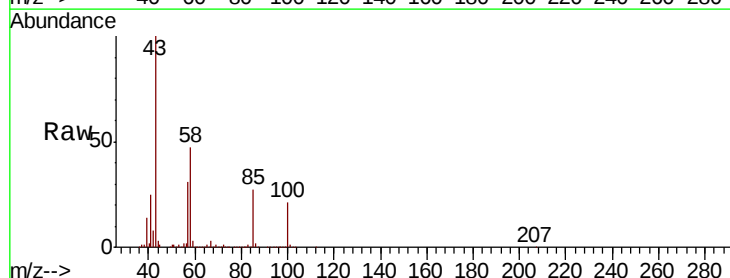
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-12

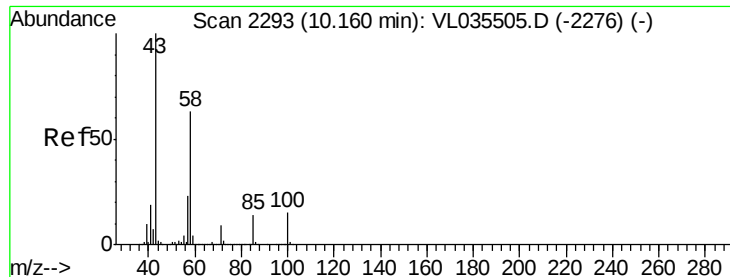
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	16.9	55.4	83.0#



#50
 4-Methyl-2-Pentanone
 Concen: 9.293 ppbv
 RT: 8.73 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: VL035609.D
 Acq: 14 Sep 2020 21:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.8	37.4	56.0





#51

2-Hexanone

Concen: 0.680 ppbv

RT: 10.14 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampleId :

SV-12

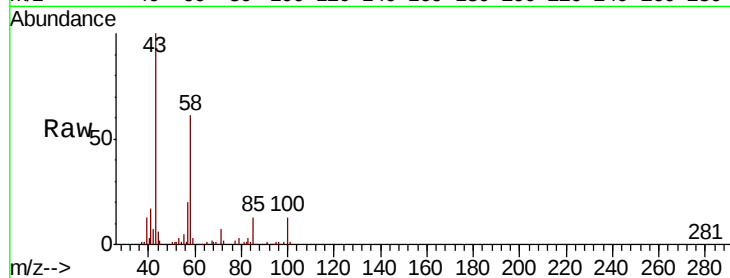
Tot Ion: 43 Resp: 102608

Ion Ratio Lower Upper

43 100

58 62.6 50.2 75.4

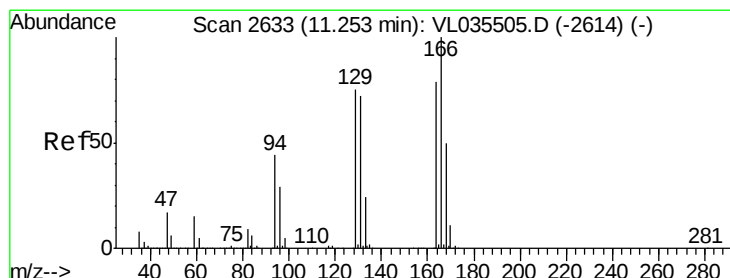
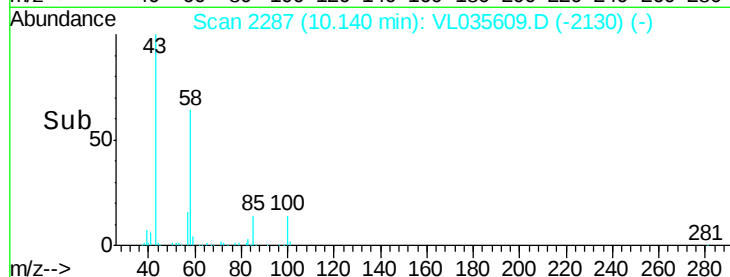
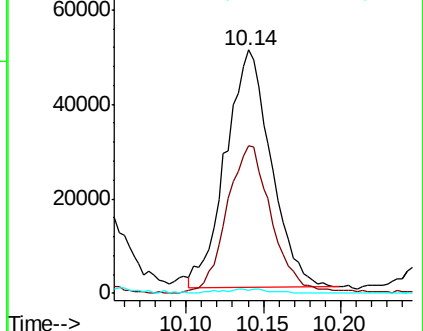
98 1.8 0.4 0.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 32.471 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. 0.00 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Tgt Ion:164 Resp: 5256605

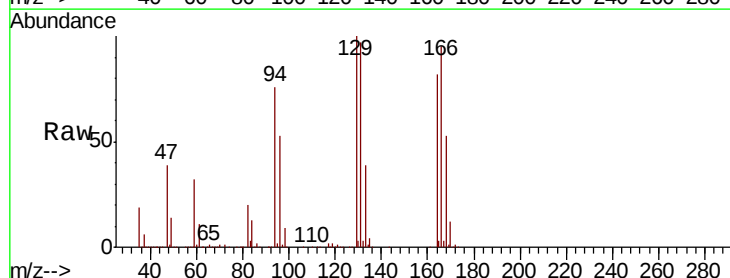
Ion Ratio Lower Upper

164 100

166 116.2 100.9 151.3

129 122.3 75.3 112.9#

131 119.2 73.0 109.4#

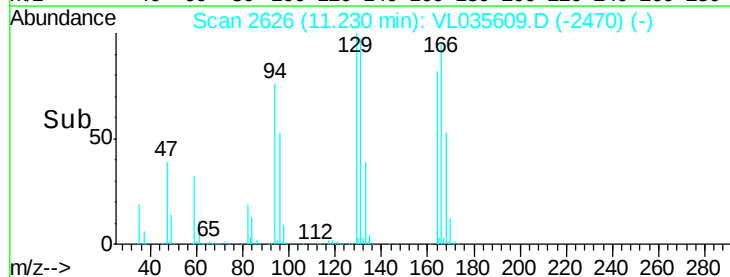
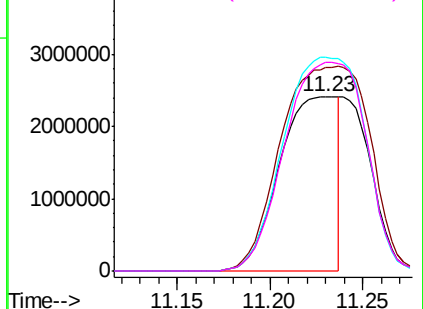


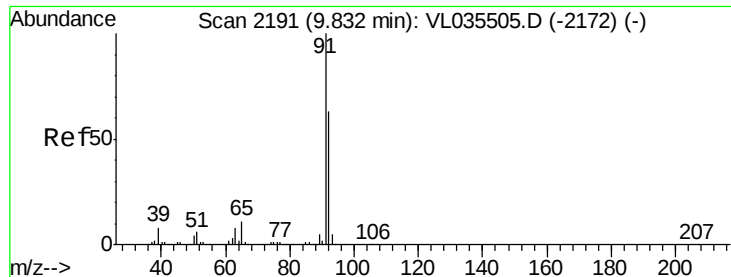
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 1.695 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampleId :

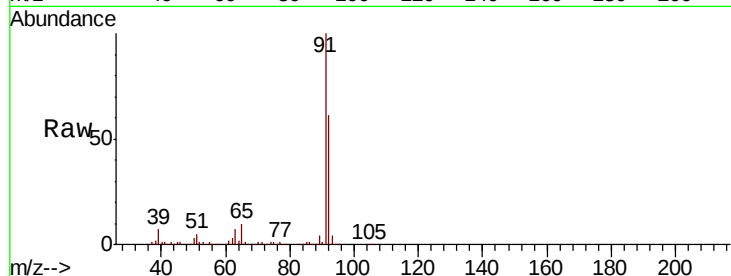
SV-12

Tot Ion: 91 Resp: 590573

Ion Ratio Lower Upper

91 100

92 60.7 49.8 74.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.81

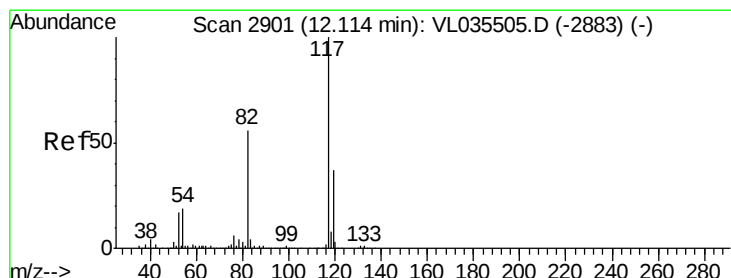
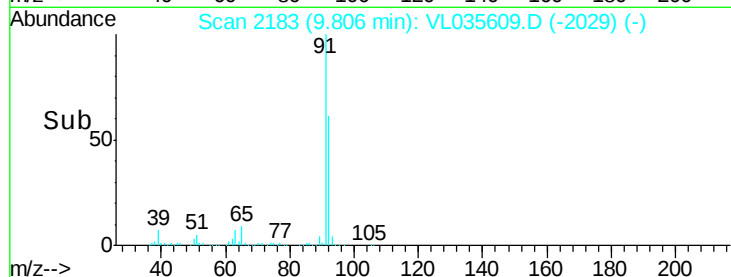
300000

200000

100000

0

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

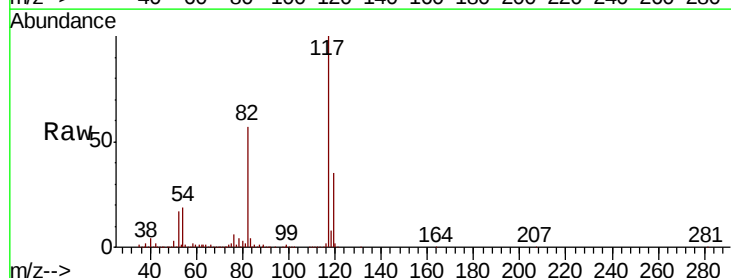
Tgt Ion: 117 Resp: 4315377

Ion Ratio Lower Upper

117 100

82 55.6 41.6 62.4

119 34.6 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

2500000

2000000

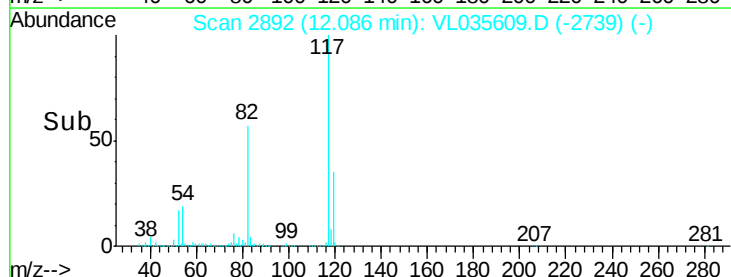
1500000

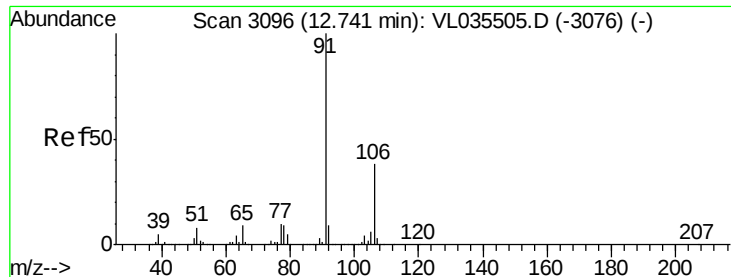
1000000

500000

0

Time-->





#58

Ethyl Benzene

Concen: 0.498 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampled :

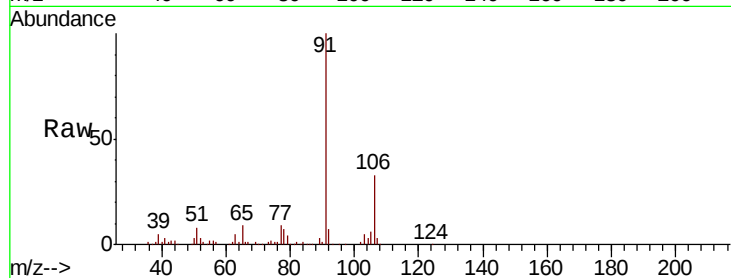
SV-12

Tot Ion: 91 Resp: 221759

Ion Ratio Lower Upper

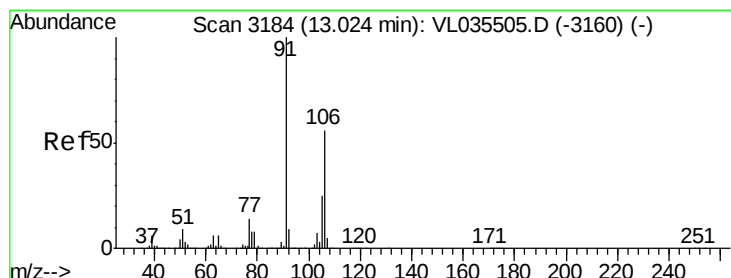
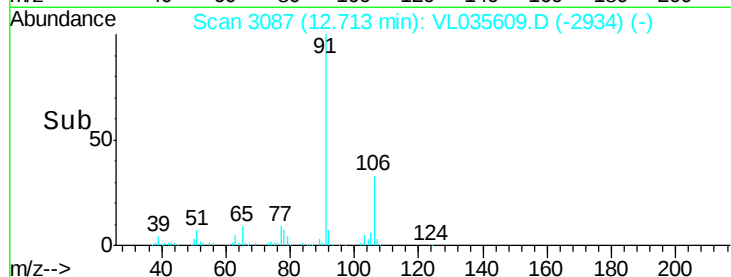
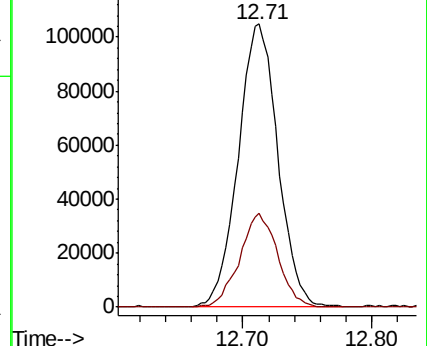
91 100

106 33.4 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 2.133 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. -0.04 min

Lab File: VL035609.D

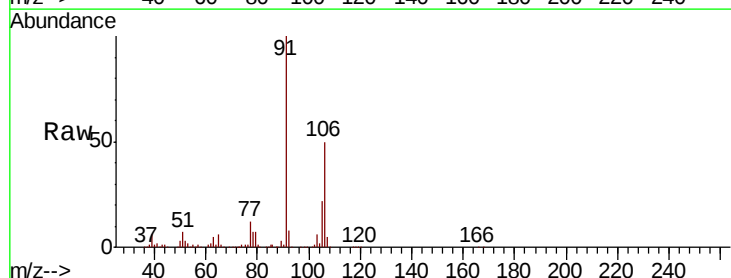
Acq: 14 Sep 2020 21:39

Tgt Ion: 91 Resp: 793113

Ion Ratio Lower Upper

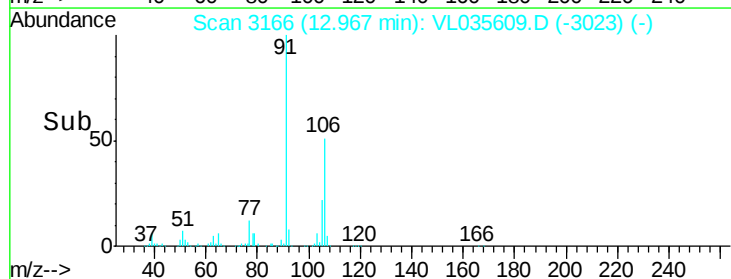
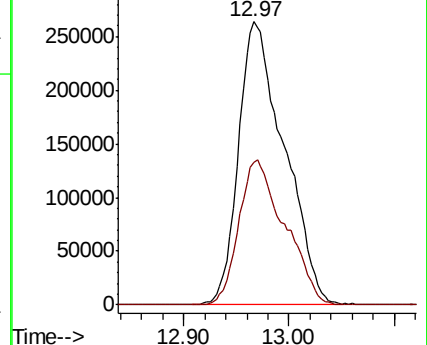
91 100

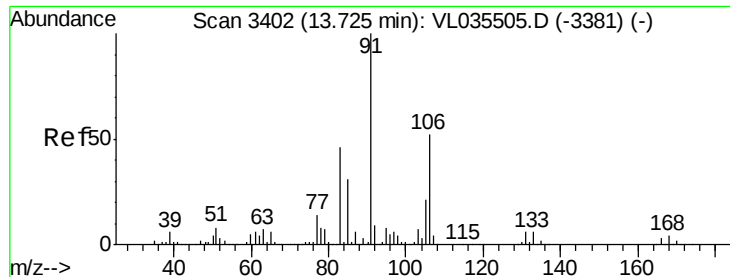
106 51.6 43.4 65.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

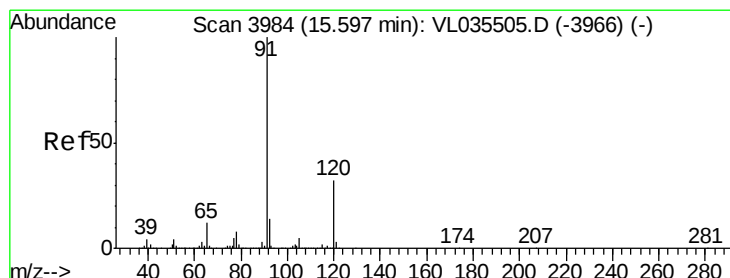
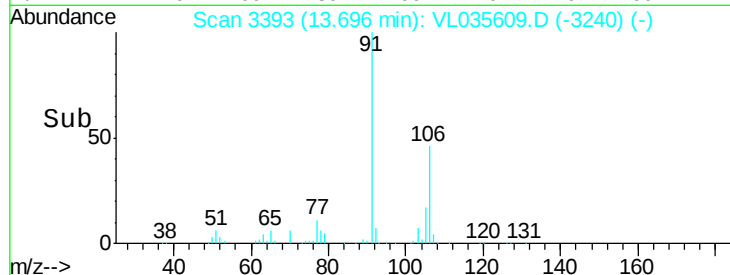
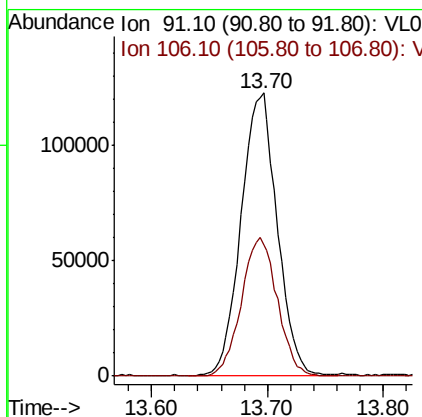
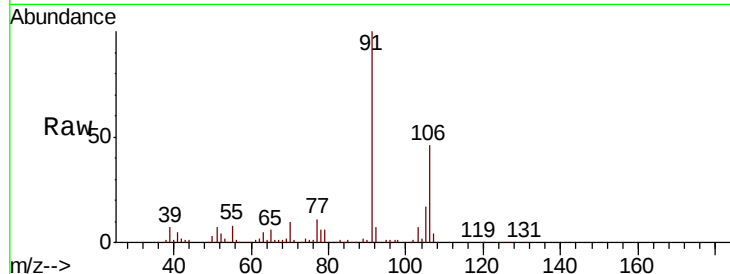




#60
o-Xylene
Concen: 0.710 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035609.D
Acq: 14 Sep 2020 21:39

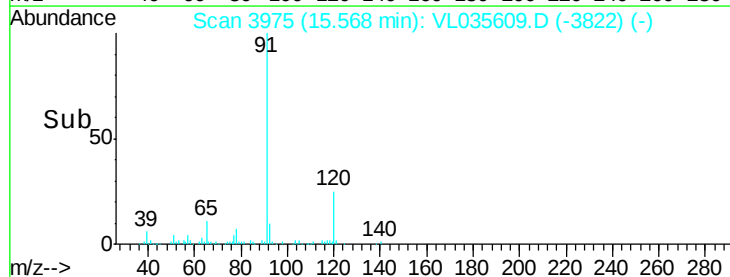
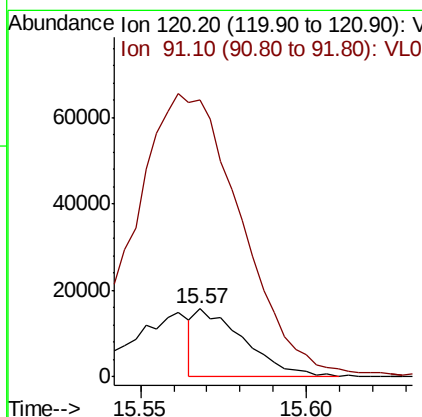
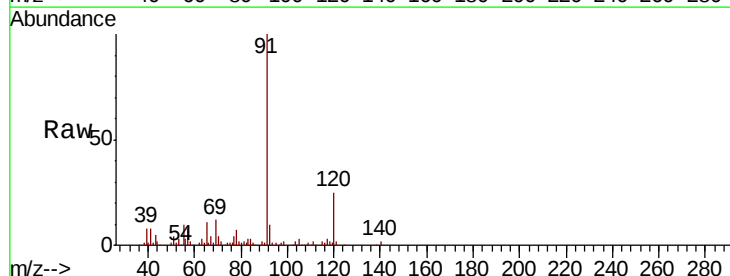
Instrument :
MSVOA_L
ClientSampleId :
SV-12

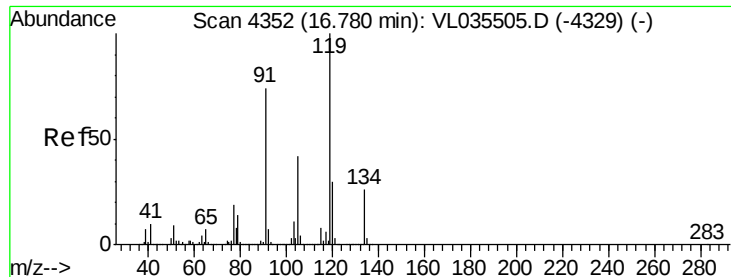
Tot Ion: 91 Resp: 265787
Ion Ratio Lower Upper
91 100
106 49.0 25.8 77.4



#64
n-propylbenzene
Concen: 0.086 ppbv
RT: 15.57 min Scan# 3975
Delta R.T. -0.01 min
Lab File: VL035609.D
Acq: 14 Sep 2020 21:39

Tgt Ion: 120 Resp: 15792
Ion Ratio Lower Upper
120 100
91 0.0 279.4 419.0#





#65

tert-Butylbenzene

Concen: 0.093 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.00 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampleId :

SV-12

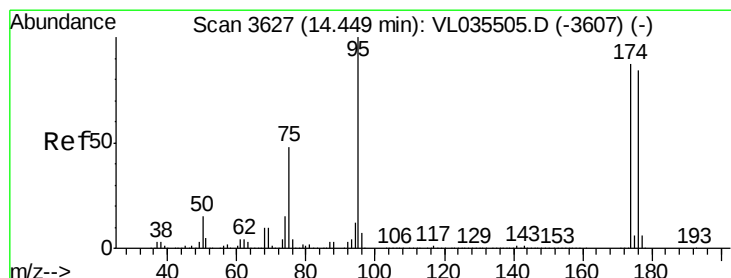
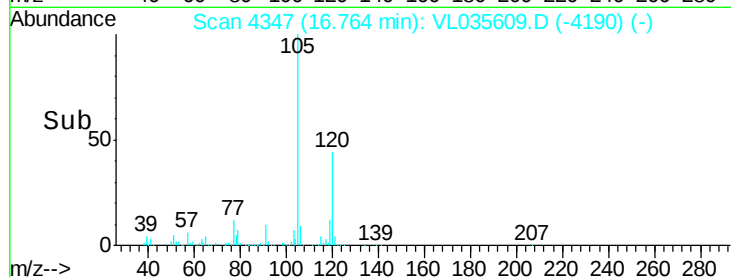
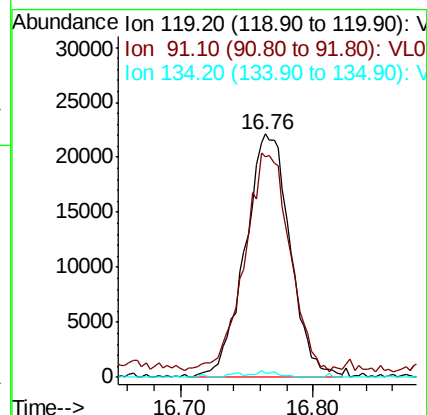
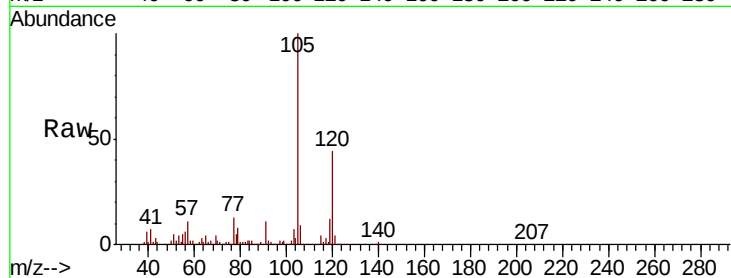
Tot Ion:119 Resp: 52184

Ion Ratio Lower Upper

119 100

91 90.2 58.6 87.8#

134 2.0 18.9 28.3#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.633 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

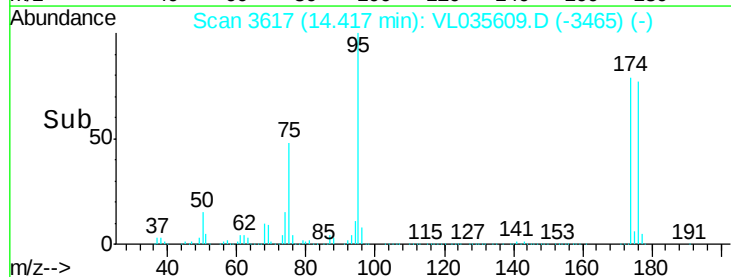
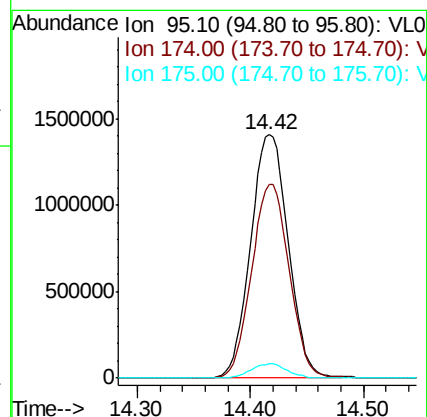
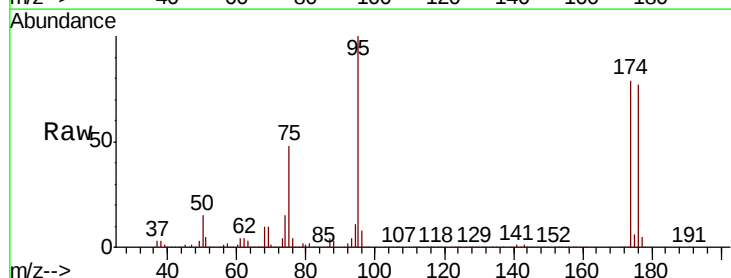
Tgt Ion: 95 Resp: 3258640

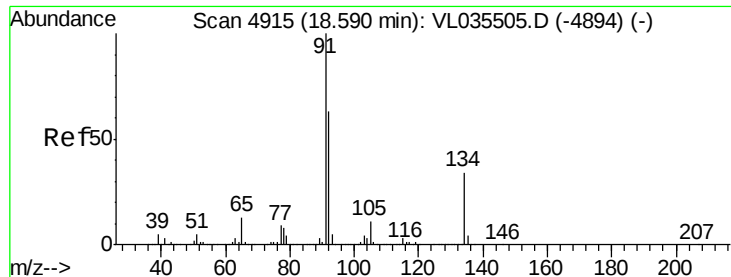
Ion Ratio Lower Upper

95 100

174 79.8 69.6 104.4

175 5.8 5.1 7.7





#70

n-Butylbenzene

Concen: 0.048 ppbv

RT: 18.56 min Scan# 4905

Delta R.T. -0.01 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampleId :

SV-12

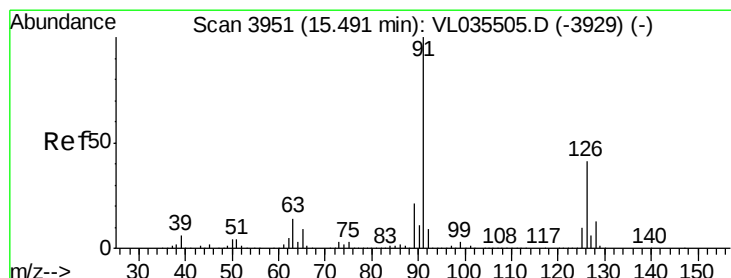
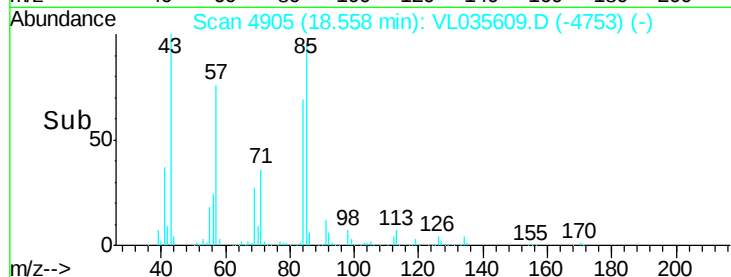
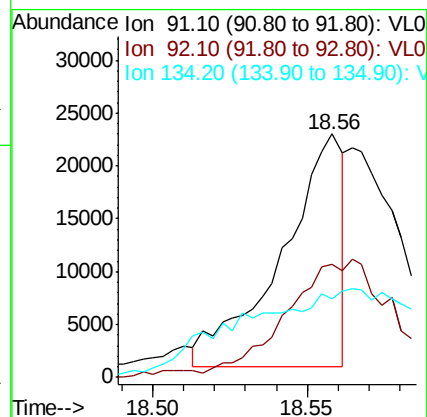
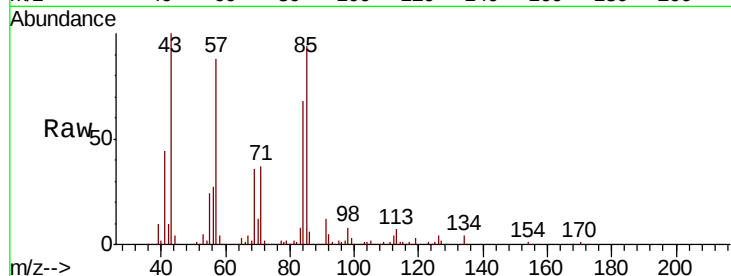
Tot Ion: 91 Resp: 30523

Ion Ratio Lower Upper

91 100

92 0.0 47.3 70.9#

134 0.0 24.6 37.0#



#71

2-Chlorotoluene

Concen: 0.075 ppbv

RT: 15.32 min Scan# 3899

Delta R.T. -0.14 min

Lab File: VL035609.D

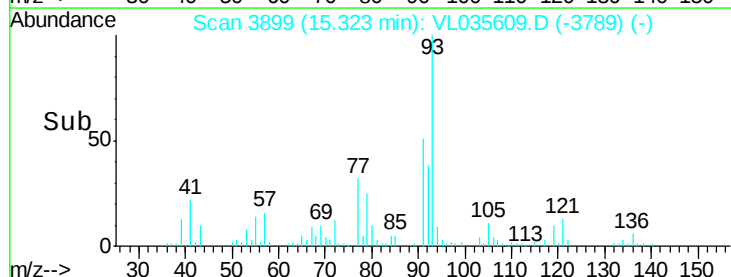
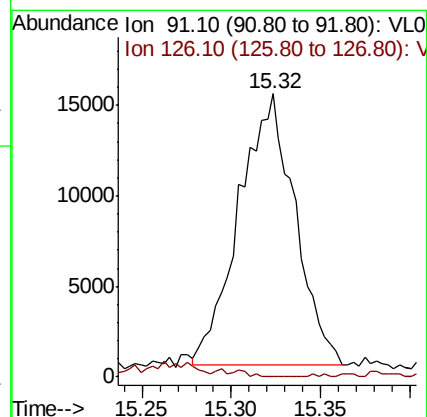
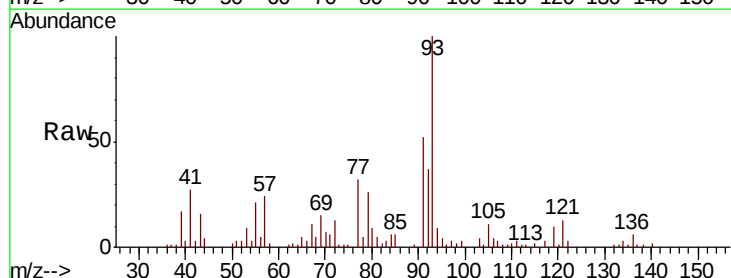
Acq: 14 Sep 2020 21:39

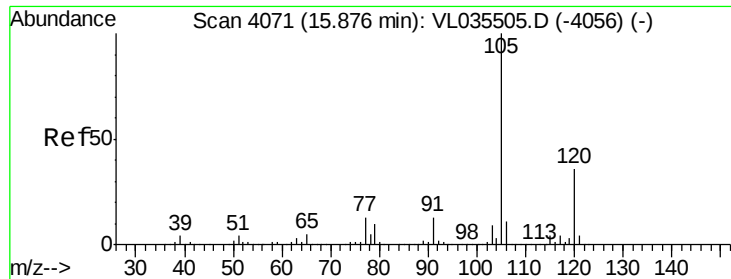
Tgt Ion: 91 Resp: 33028

Ion Ratio Lower Upper

91 100

126 0.9 15.6 62.6#





#72

4-Ethyltoluene

Concen: 0.409 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampleId :

SV-12

Tot Ion:105 Resp: 194601

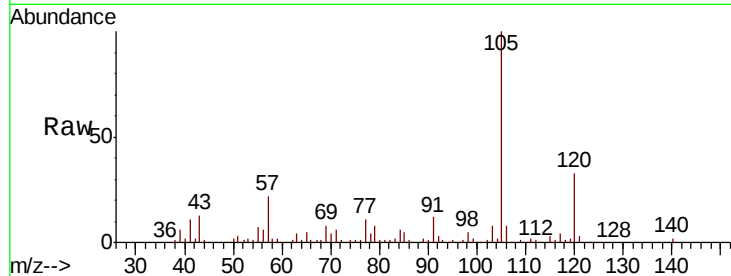
Ion Ratio Lower Upper

105 100

120 30.2 27.4 41.2

91 13.2 9.7 14.5

77 12.6 9.6 14.4

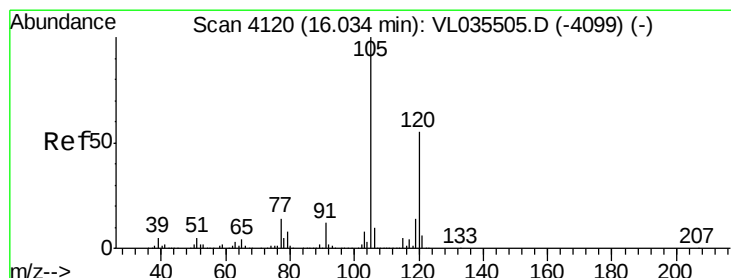
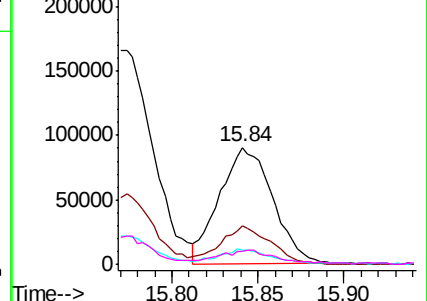
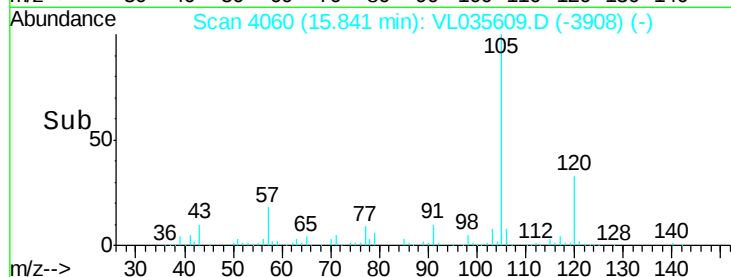


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.206 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.02 min

Lab File: VL035609.D

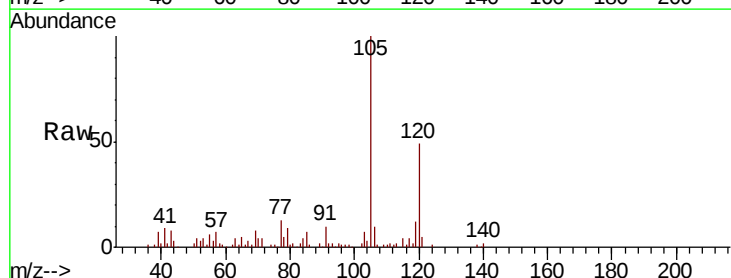
Acq: 14 Sep 2020 21:39

Tgt Ion:105 Resp: 90676

Ion Ratio Lower Upper

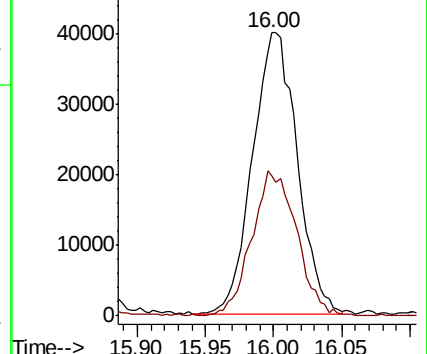
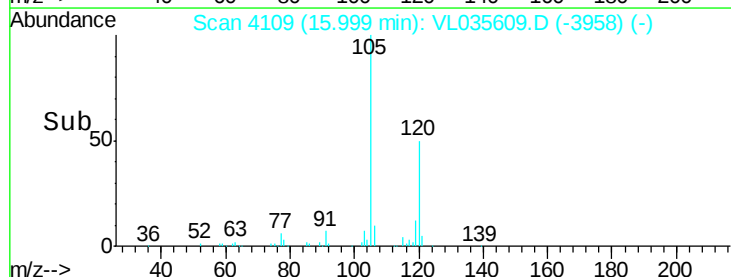
105 100

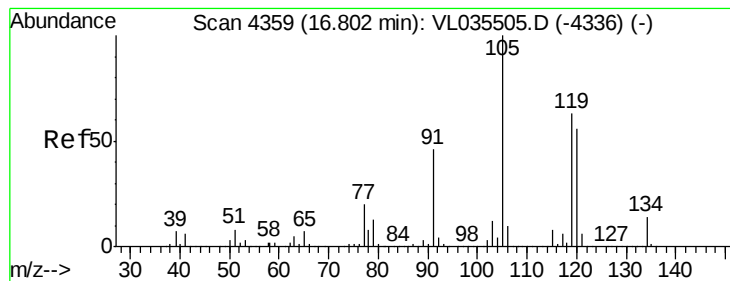
120 49.1 44.2 66.2



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: 0.885 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

Instrument :

MSVOA_L

ClientSampleId :

SV-12

Tot Ion:105 Resp: 428009

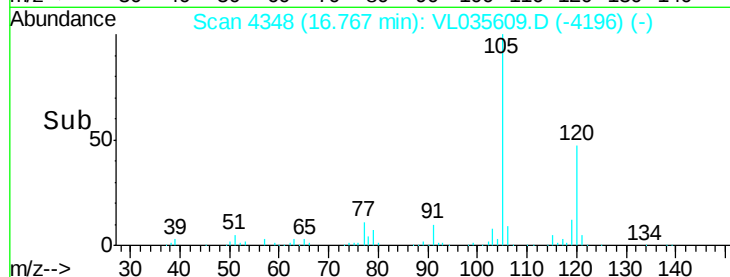
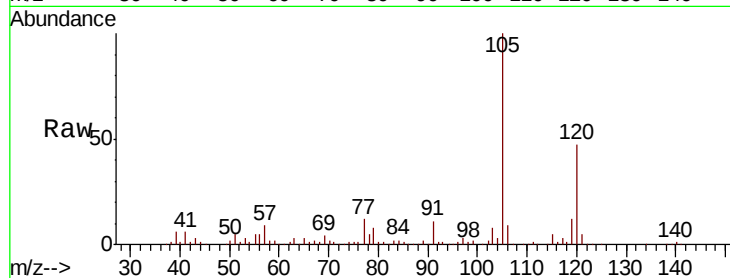
Ion Ratio Lower Upper

105 100

120 47.0 44.4 66.6

91 10.4 37.1 55.7#

77 11.5 16.0 24.0#



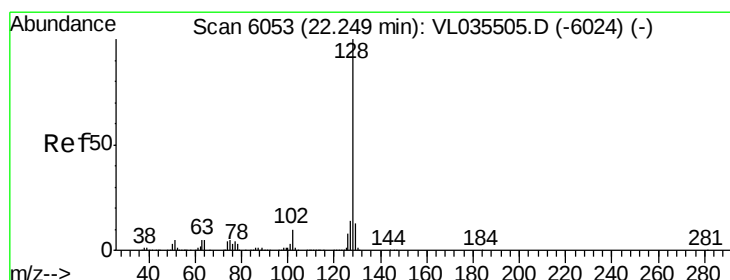
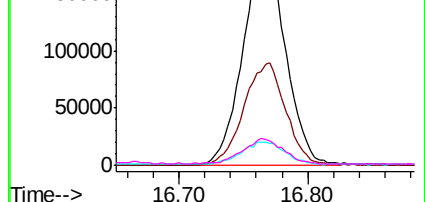
Abundance Ion 105.10 (104.80 to 105.80): V

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

Time-->



#79

Naphthalene

Concen: 0.065 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. -0.01 min

Lab File: VL035609.D

Acq: 14 Sep 2020 21:39

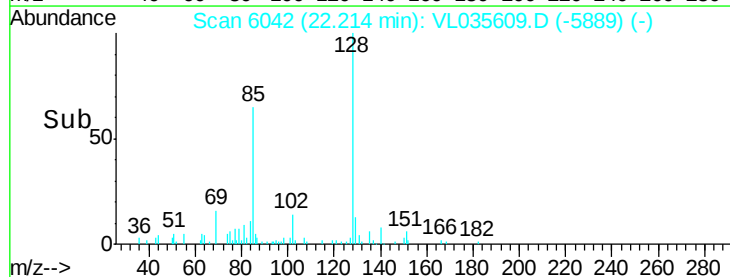
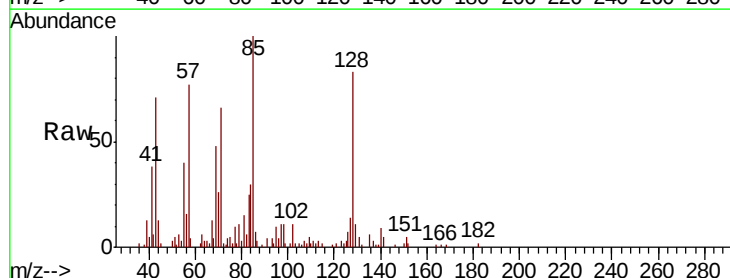
Tgt Ion:128 Resp: 35018

Ion Ratio Lower Upper

128 100

127 13.8 11.4 17.2

129 12.7 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

Time-->

