

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035086.D
 Acq On : 22 May 2020 16:05
 Operator : SY/AP
 Sample : L2739-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Quant Time: May 24 00:33:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1042290	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2433202	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2331204	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2017660	10.69	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.90%

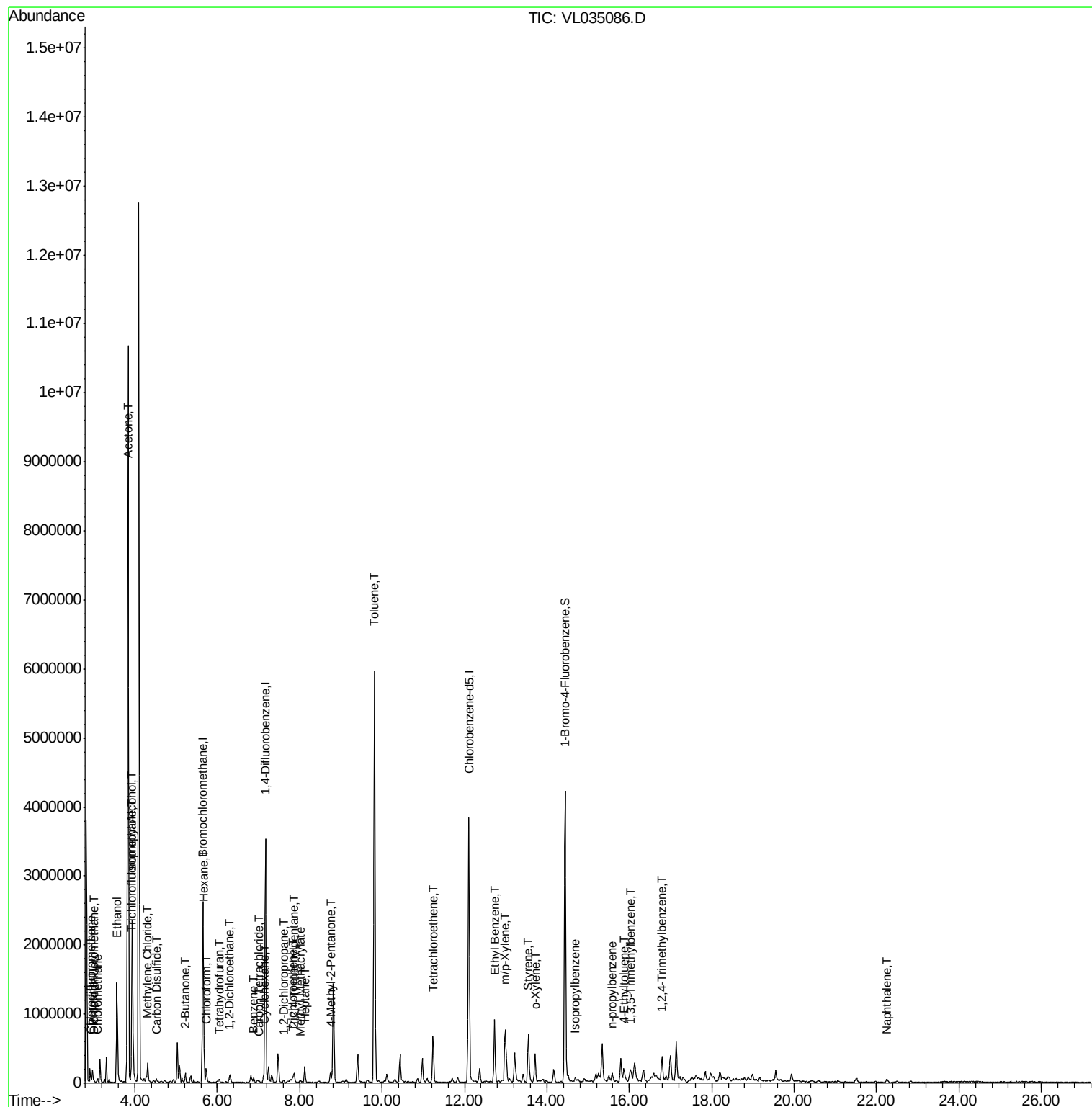
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	35480	0.240	ppbv	95
3) Chlorodifluoromethane	2.94	51	33382m	0.281	ppbv	
4) Chloromethane	3.09	50	40229	0.590	ppbv	94
9) Propene	2.97	41	33718	0.653	ppbv	89
10) Heptane	8.12	43	75502	0.584	ppbv	97
11) Trichlorofluoromethane	3.91	101	40198	0.264	ppbv #	82
13) Ethanol	3.56	45	1543266	90.570	ppbv	100
15) Acetone	3.82	43	743631m	5.397	ppbv	
19) Isopropyl Alcohol	3.93	45	2570606	27.974	ppbv	100
20) Methylene Chloride	4.31	84	87856	1.926	ppbv	94
26) Hexane	5.67	57	212163	2.114	ppbv	88
27) Carbon Disulfide	4.52	76	51945	0.439	ppbv	95
29) Chloroform	5.73	83	122541	0.746	ppbv	87
30) Cyclohexane	7.13	84	23705m	0.306	ppbv	
34) 2-Butanone	5.22	43	137396	0.909	ppbv	98
35) Carbon Tetrachloride	7.00	117	10945m	0.071	ppbv	
36) Benzene	6.88	78	51255m	0.256	ppbv	
37) 1,2-Dichloroethane	6.29	62	29431m	0.238	ppbv	
38) Trichloroethene	7.83	130	18286m	0.235	ppbv	
39) 1,2-Dichloropropane	7.61	63	9569m	0.119	ppbv	
41) Tetrahydrofuran	6.05	42	18475m	0.232	ppbv	
43) Methyl Methacrylate	8.01	69	11221m	0.132	ppbv	
44) 2,2,4-Trimethylpentane	7.86	57	75406	0.211	ppbv #	68
50) 4-Methyl-2-Pentanone	8.75	43	115259	0.534	ppbv	96
52) Tetrachloroethene	11.24	164	156782	2.198	ppbv	89
53) Toluene	9.81	91	4667849	21.950	ppbv	98
58) Ethyl Benzene	12.73	91	761819	2.643	ppbv	100
59) m/p-Xylene	12.98	91	766797	3.023	ppbv #	58
60) o-Xylene	13.72	91	311692m	1.245	ppbv	
61) Styrene	13.55	104	375690	2.372	ppbv	98
62) Isopropylbenzene	14.69	105	47083m	0.126	ppbv	
64) n-propylbenzene	15.58	120	14896m	0.155	ppbv	
72) 4-Ethyltoluene	15.86	105	97503	0.349	ppbv #	88
73) 1,3,5-Trimethylbenzene	16.03	105	100806	0.371	ppbv #	79
74) 1,2,4-Trimethylbenzene	16.79	105	176648	0.596	ppbv #	77
79) Naphthalene	22.26	128	47836m	0.207	ppbv	

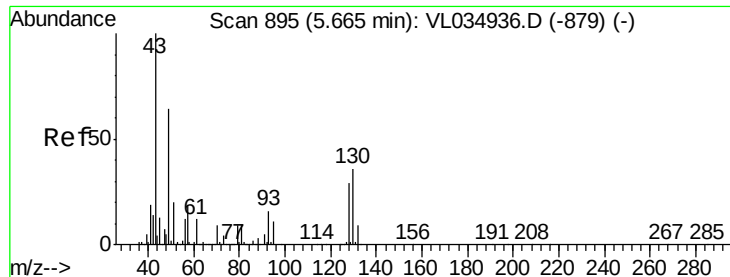
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

Instrument :

MSVOA_L

ClientSampleId :

IA-2

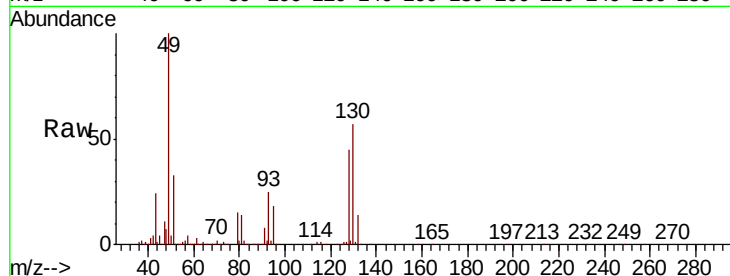
Tot Ion: 49 Resp: 1042290

Ion Ratio Lower Upper

49 100

128 44.9 22.1 66.5

130 58.6 29.1 87.3



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

5.65

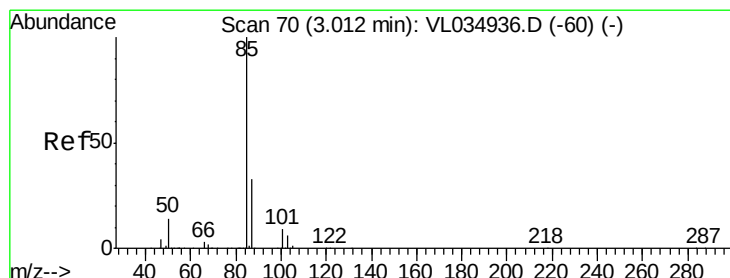
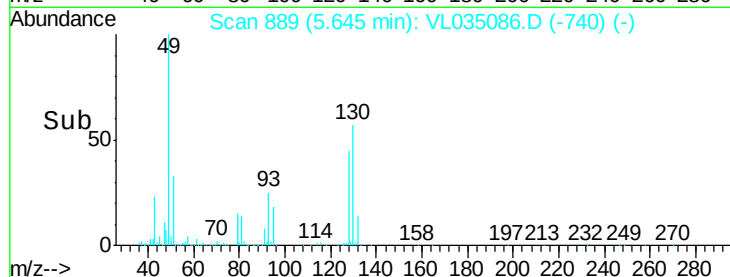
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.240 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035086.D

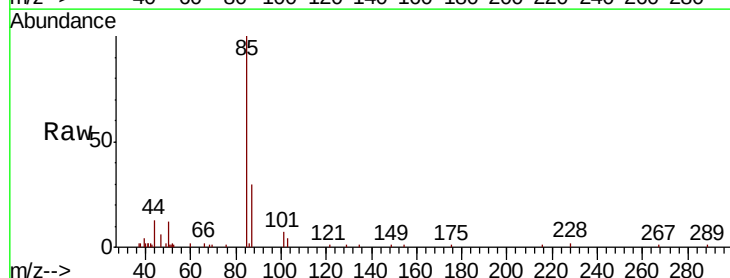
Acq: 22 May 2020 16:05

Tgt Ion: 85 Resp: 35480

Ion Ratio Lower Upper

85 100

87 29.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.00

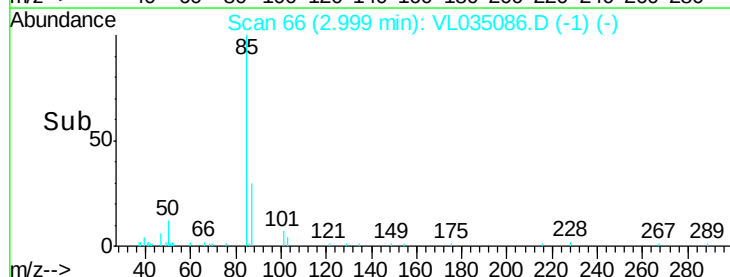
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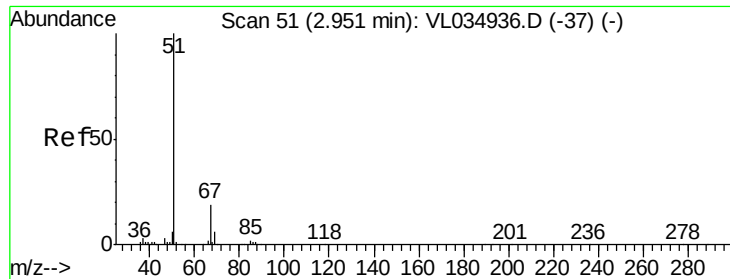
20000

10000

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Time-->

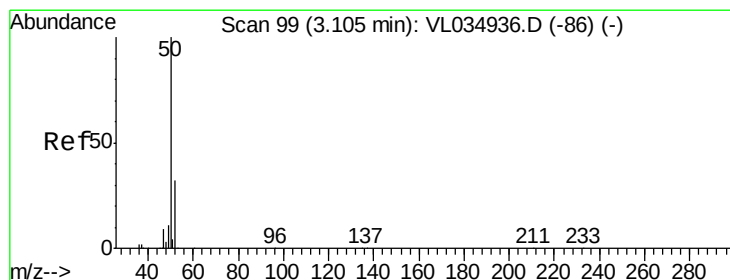
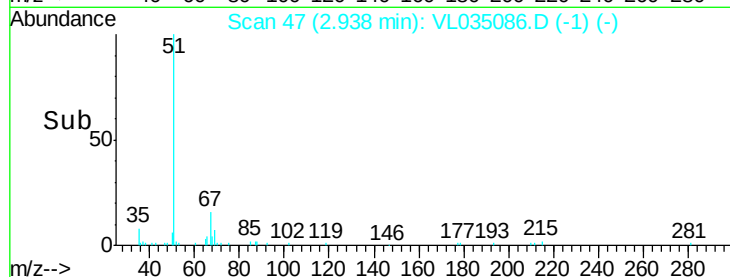
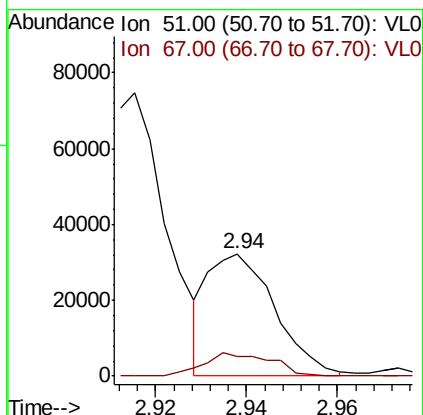
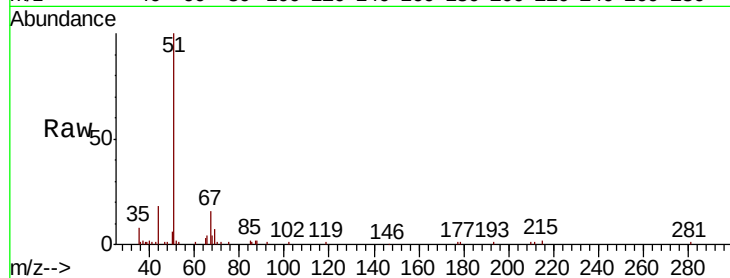




#3
Chlorodifluoromethane
Concen: 0.281 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.01 min
Lab File: VL035086.D
Acq: 22 May 2020 16:05

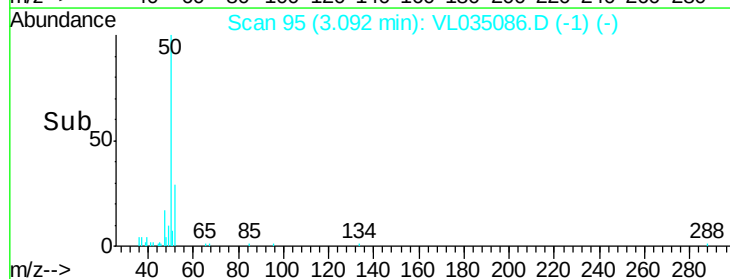
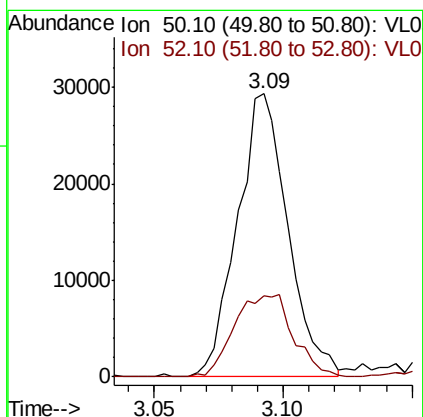
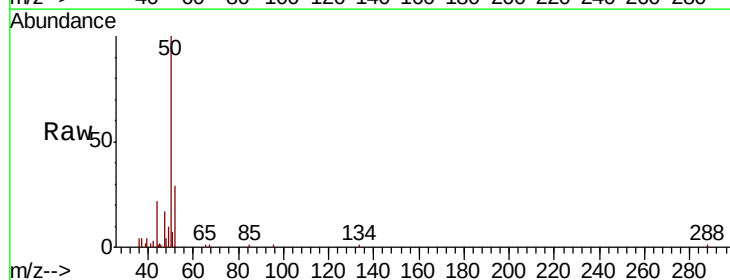
Instrument :
MSVOA_L
ClientSampleId :
IA-2

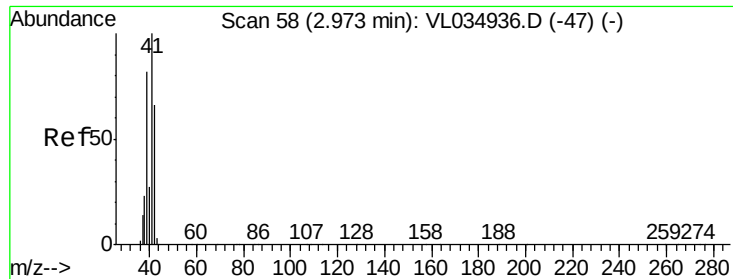
Tot Ion: 51 Resp: 33382
Ion Ratio Lower Upper
51 100
67 19.5 15.0 22.6



#4
Chloromethane
Concen: 0.590 ppbv
RT: 3.09 min Scan# 95
Delta R.T. -0.01 min
Lab File: VL035086.D
Acq: 22 May 2020 16:05

Tgt Ion: 50 Resp: 40229
Ion Ratio Lower Upper
50 100
52 28.7 25.4 38.2





#9

Propene

Concen: 0.653 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

Instrument :

MSVOA_L

ClientSampleId :

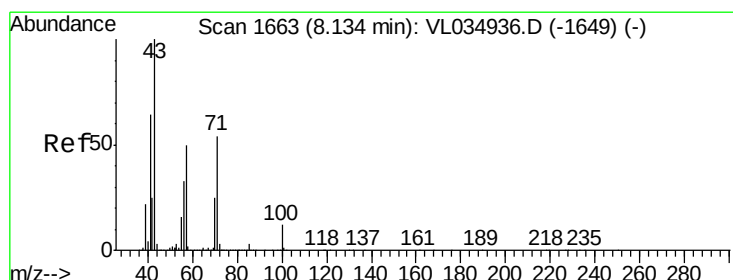
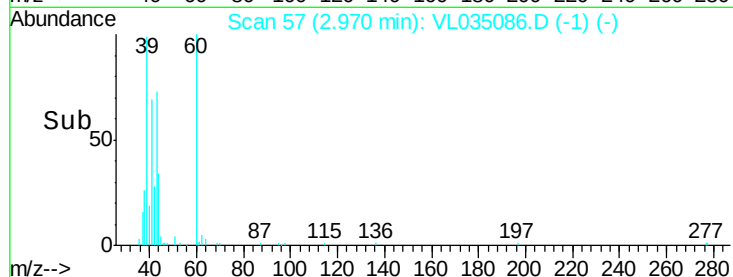
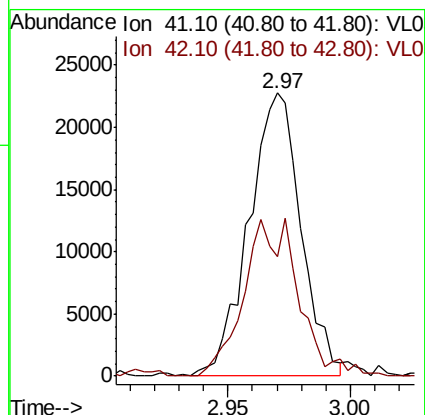
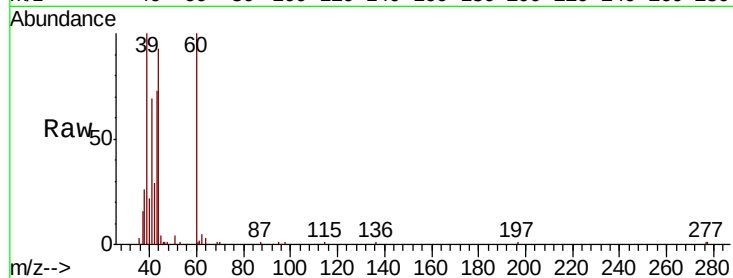
IA-2

Tot Ion: 41 Resp: 33718

Ion Ratio Lower Upper

41 100

42 59.5 54.5 81.7



#10

Heptane

Concen: 0.584 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL035086.D

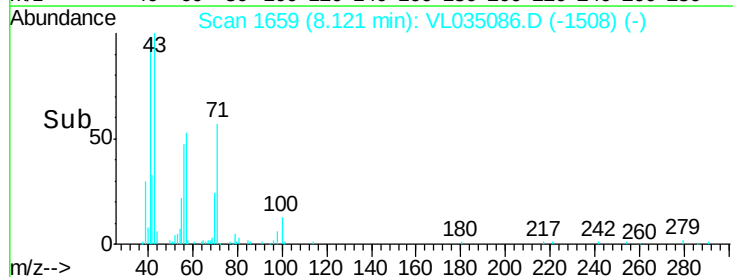
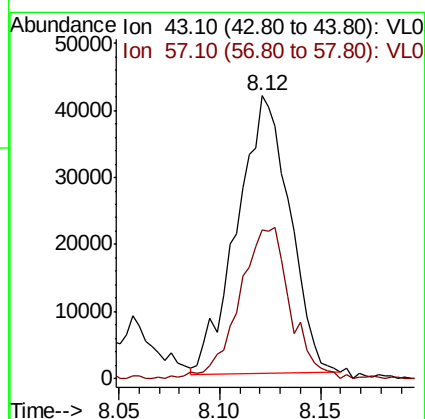
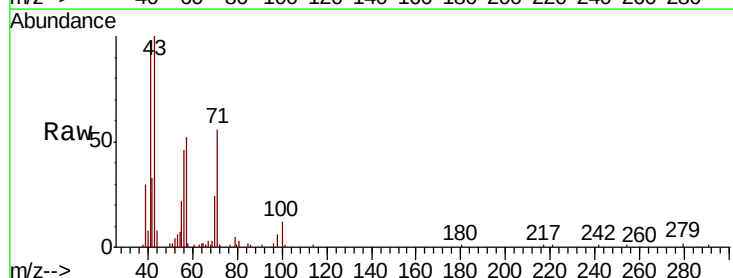
Acq: 22 May 2020 16:05

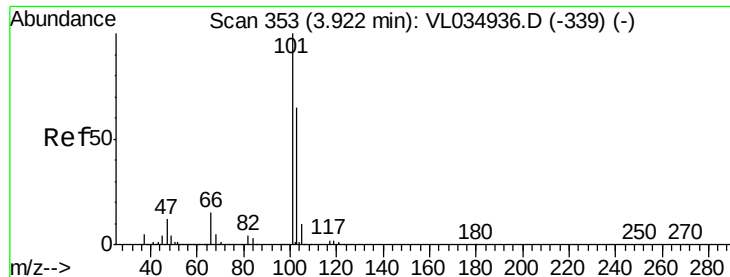
Tgt Ion: 43 Resp: 75502

Ion Ratio Lower Upper

43 100

57 53.6 41.1 61.7

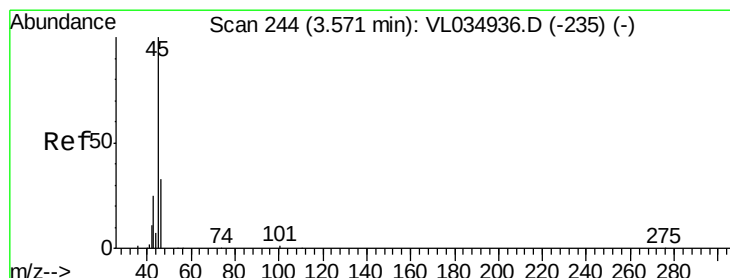
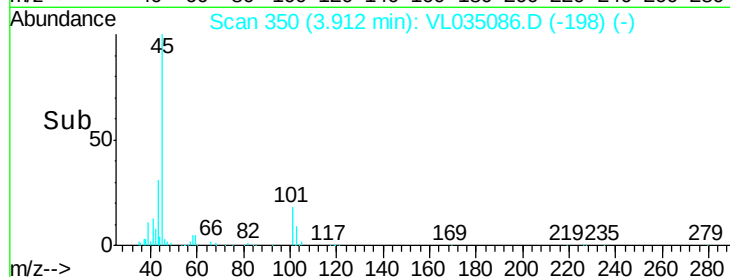
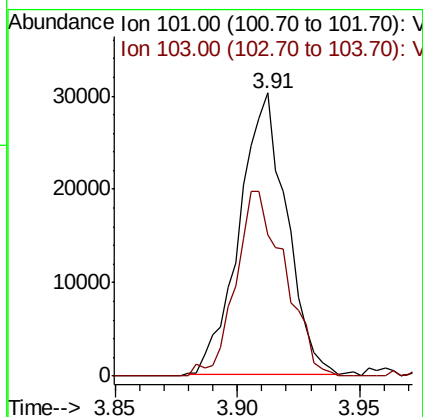
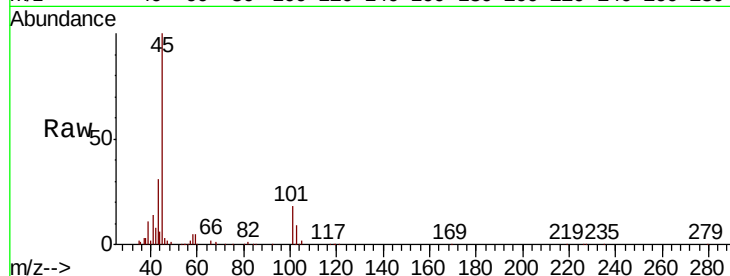




#11
 Trichlorofluoromethane
 Concen: 0.264 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VL035086.D
 Acq: 22 May 2020 16:05

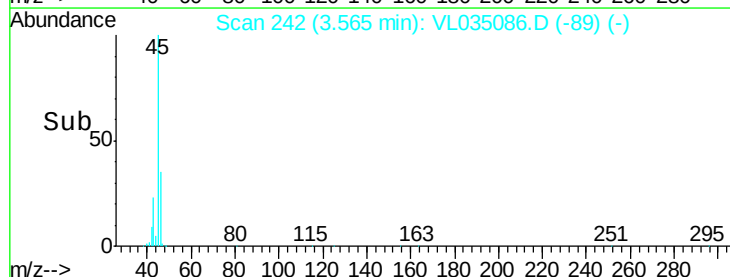
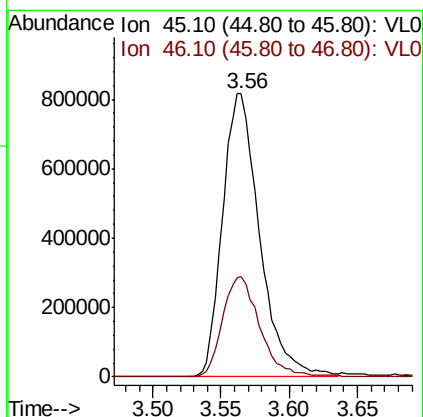
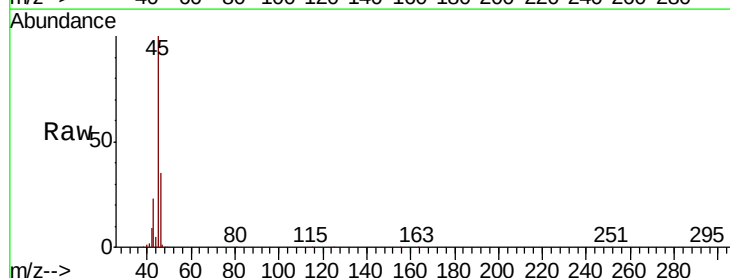
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

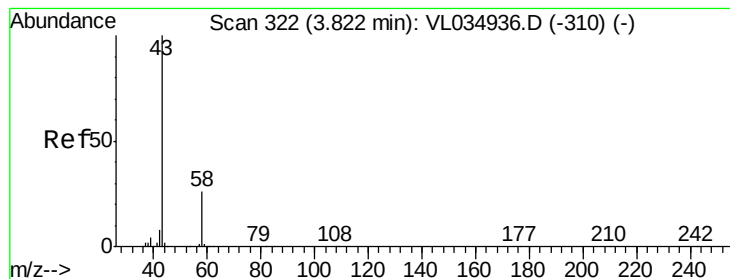
Tot Ion:101 Resp: 40198
 Ion Ratio Lower Upper
 101 100
 103 50.4 51.9 77.9#



#13
 Ethanol
 Concen: 90.570 ppbv
 RT: 3.56 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VL035086.D
 Acq: 22 May 2020 16:05

Tgt Ion: 45 Resp: 1543266
 Ion Ratio Lower Upper
 45 100
 46 35.9 14.3 57.3





#15

Acetone

Concen: 5.397 ppbv m

RT: 3.82 min Scan# 320

Delta R.T. -0.01 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

Instrument :

MSVOA_L

ClientSampleId :

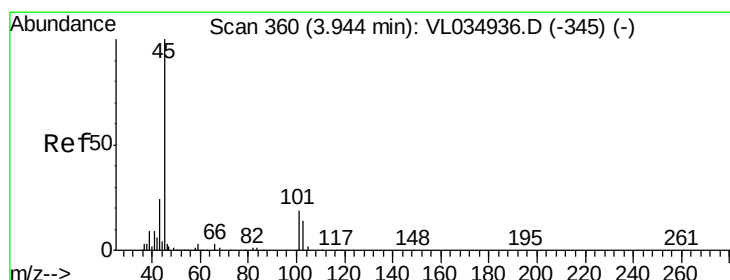
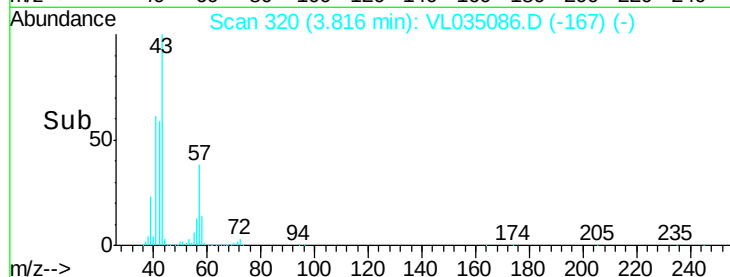
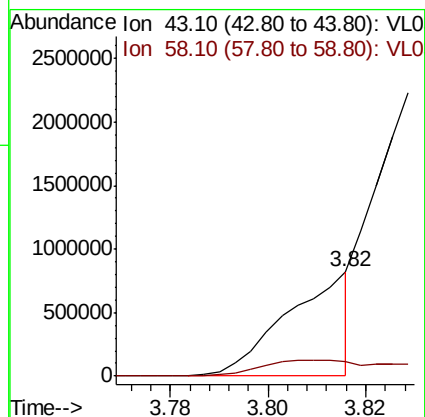
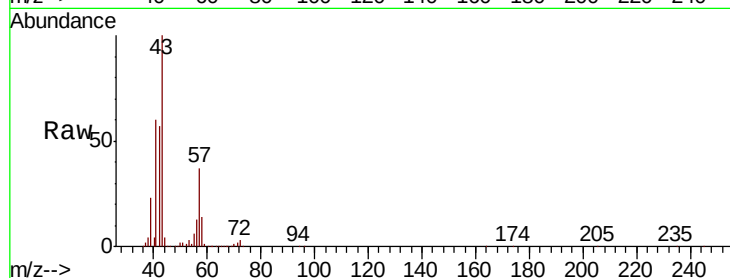
IA-2

Tot Ion: 43 Resp: 743631

Ion Ratio Lower Upper

43 100

58 40.9 21.7 32.5#



#19

Isopropyl Alcohol

Concen: 27.974 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.01 min

Lab File: VL035086.D

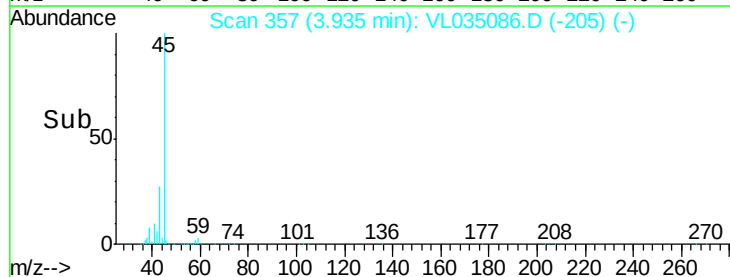
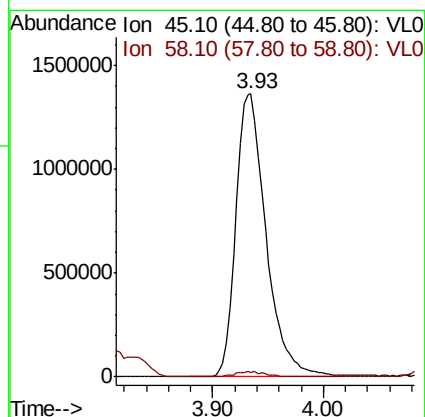
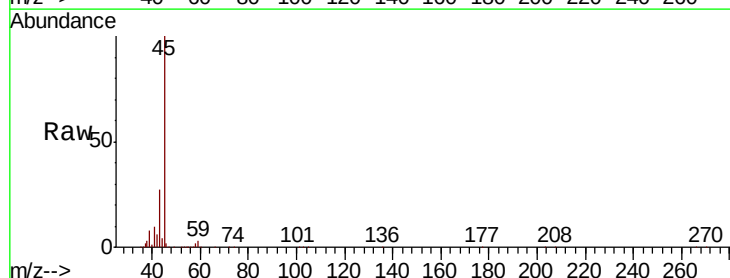
Acq: 22 May 2020 16:05

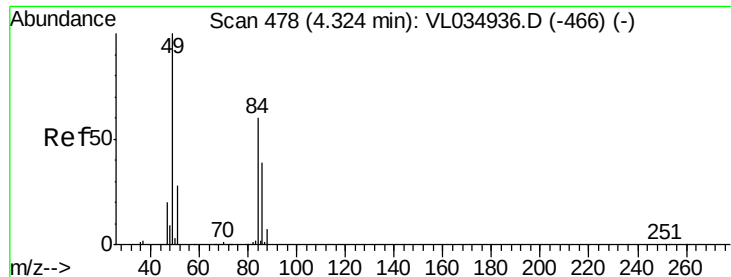
Tgt Ion: 45 Resp: 2570606

Ion Ratio Lower Upper

45 100

58 2.1 1.7 2.5

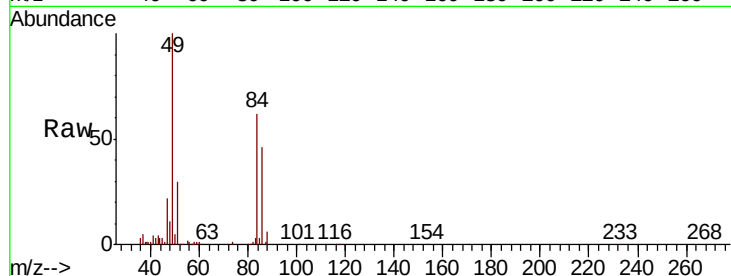




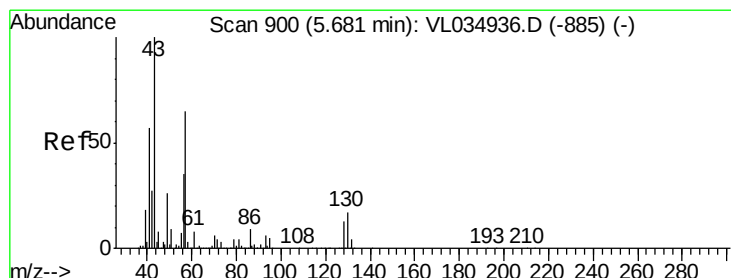
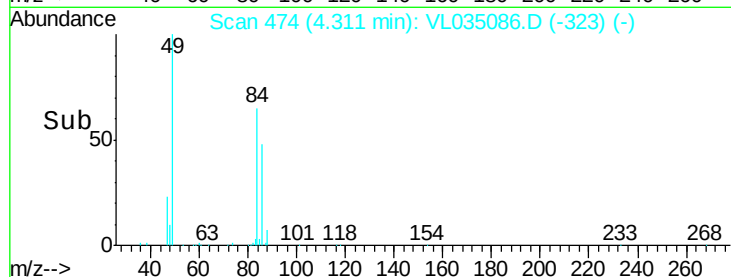
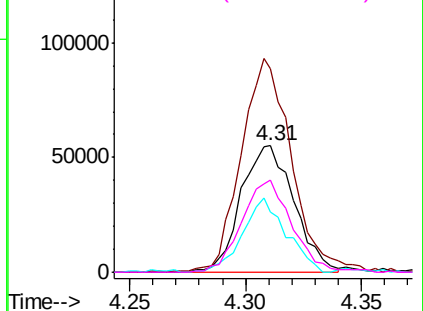
#20
Methvlene Chloride
Concen: 1.926 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.01 min
Lab File: VL035086.D
Acq: 22 May 2020 16:05

Instrument :
MSVOA_L
ClientSampled :
IA-2

Tot Ion:	84	Resp:	87856
Ion	Ratio	Lower	Upper
84	100		
49	159.5	132.5	198.7
51	48.0	38.4	57.6
86	73.6	51.2	76.8

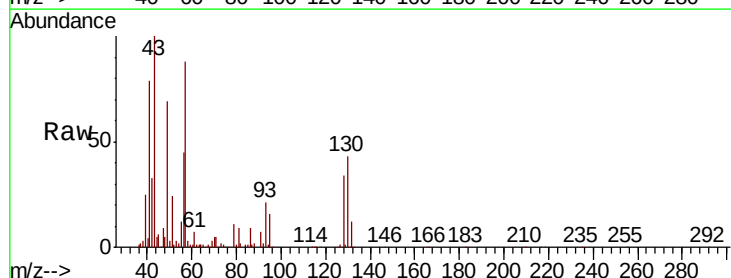


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

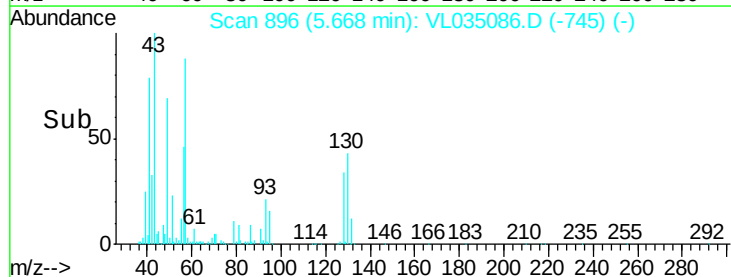
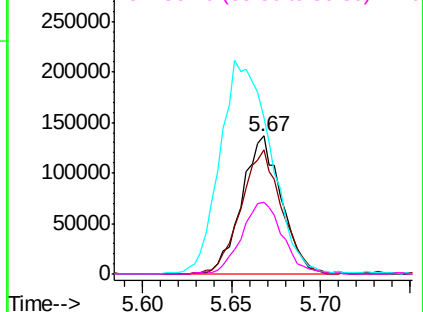


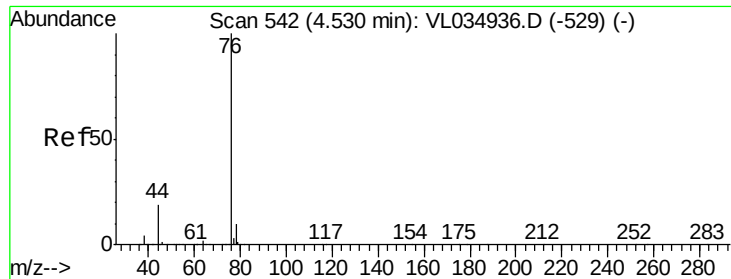
#26
Hexane
Concen: 2.114 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035086.D
Acq: 22 May 2020 16:05

Tgt Ion:	57	Resp:	212163
Ion	Ratio	Lower	Upper
57	100		
41	93.9	72.7	109.1
43	198.7	182.1	273.1
56	54.3	42.2	63.2



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: 0.439 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

Instrument :

MSVOA_L

ClientSampleId :

IA-2

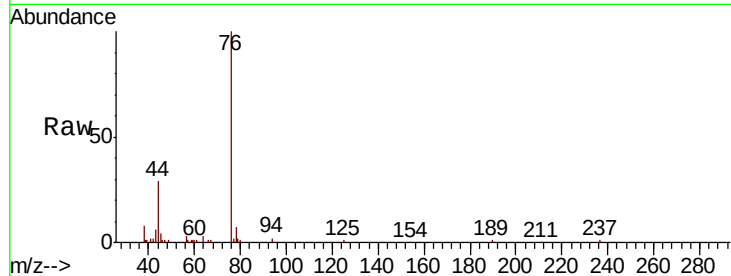
Tot Ion: 76 Resp: 51945

Ion Ratio Lower Upper

76 100

44 21.6 15.2 22.8

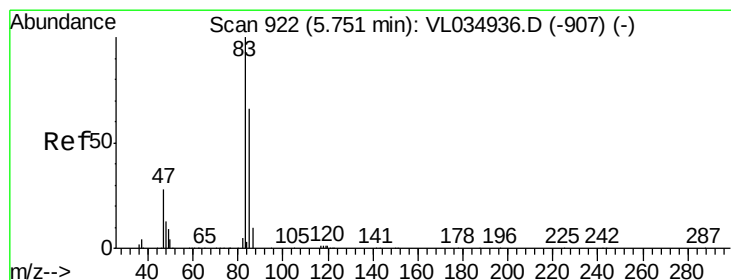
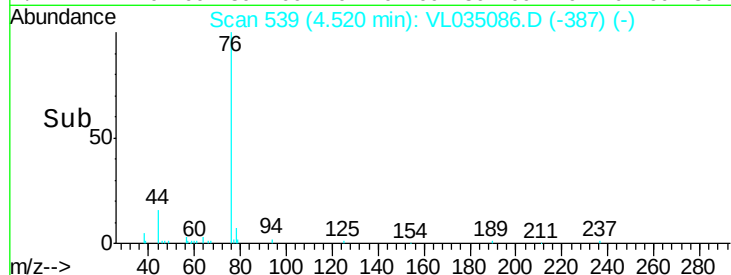
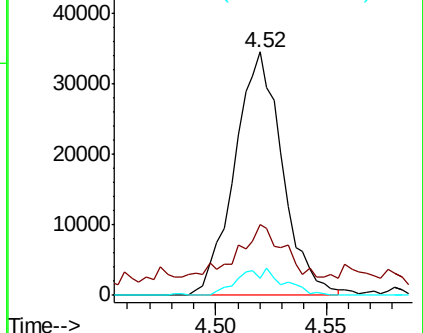
78 10.4 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 0.746 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.02 min

Lab File: VL035086.D

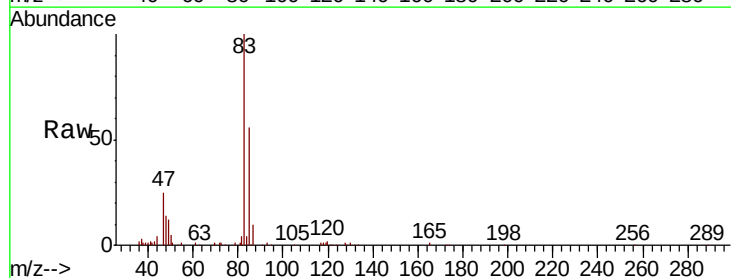
Acq: 22 May 2020 16:05

Tgt Ion: 83 Resp: 122541

Ion Ratio Lower Upper

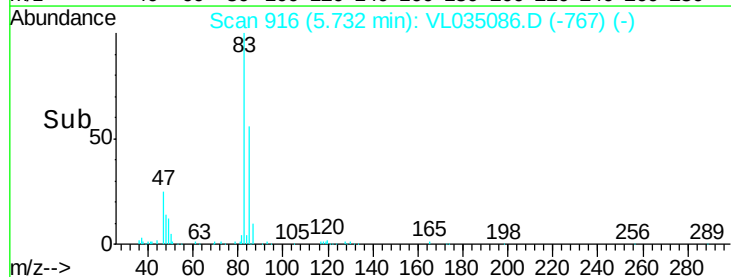
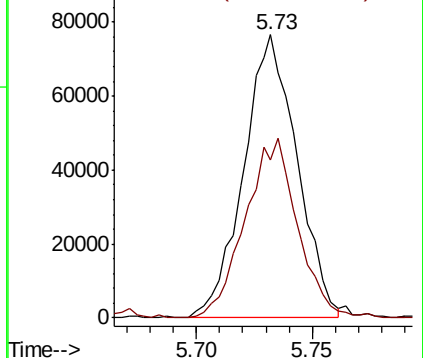
83 100

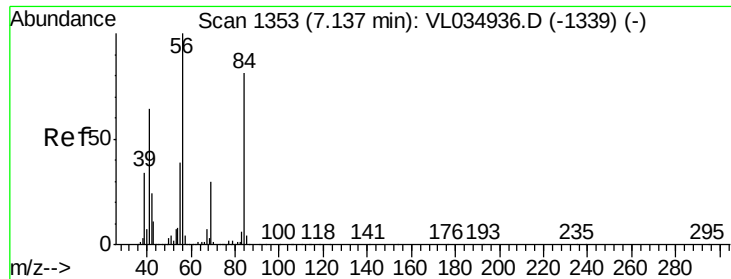
85 55.6 53.0 79.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

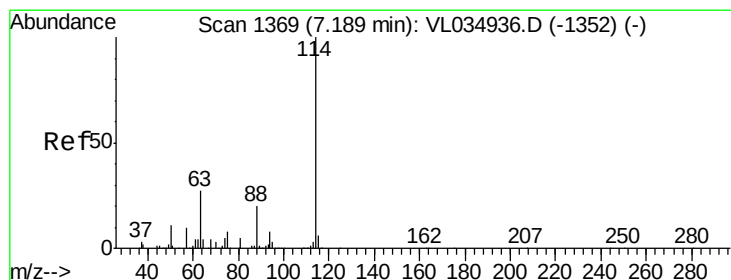
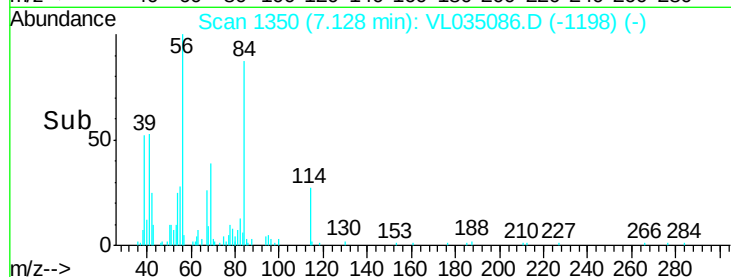
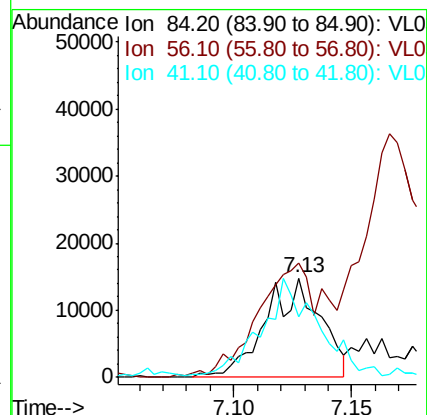
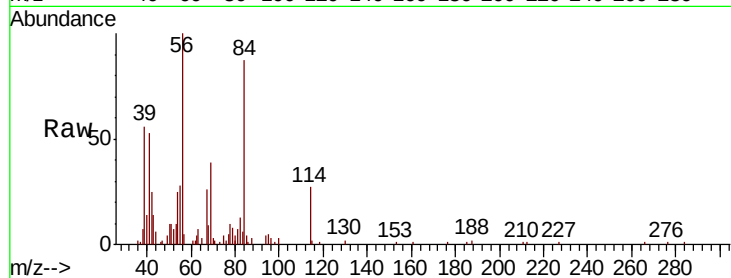




#30
Cyclohexane
Concen: 0.306 ppbv m
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL035086.D
Acq: 22 May 2020 16:05

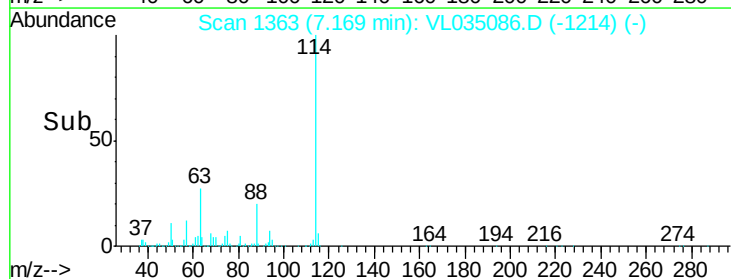
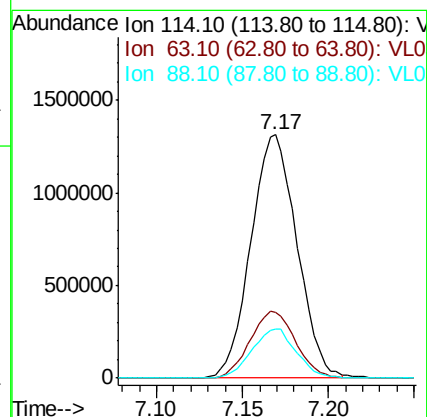
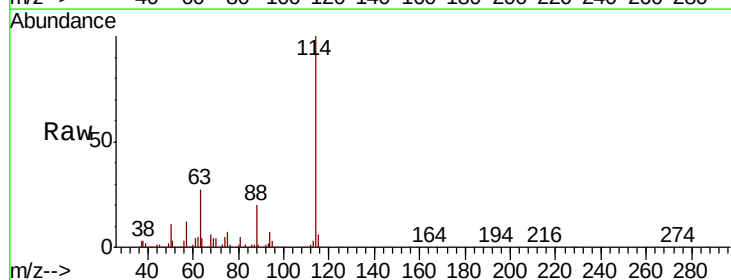
Instrument :
MSVOA_L
ClientSampleId :
IA-2

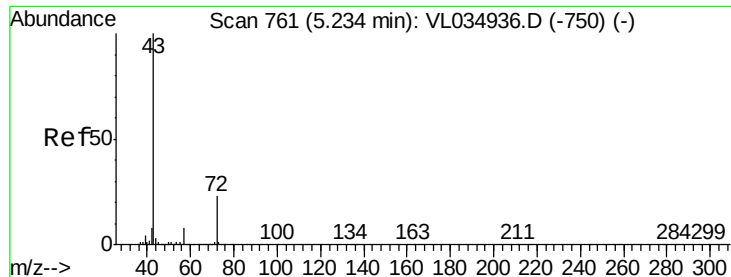
Tot Ion: 84 Resp: 23705
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.2#
41 104.4 66.7 100.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.02 min
Lab File: VL035086.D
Acq: 22 May 2020 16:05

Tgt Ion: 114 Resp: 2433202
Ion Ratio Lower Upper
114 100
63 27.4 22.2 33.4
88 19.7 15.5 23.3

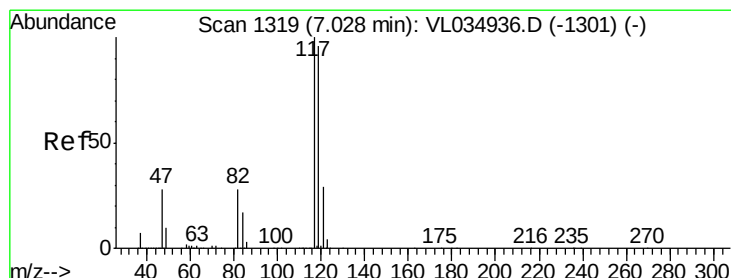
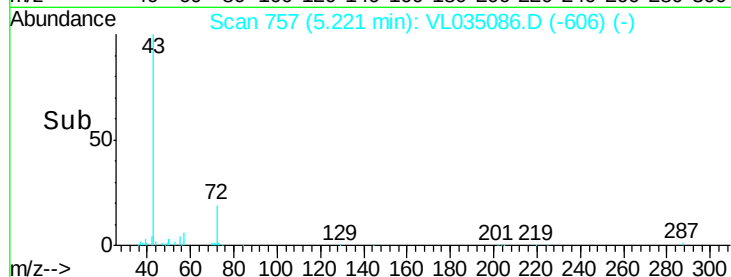
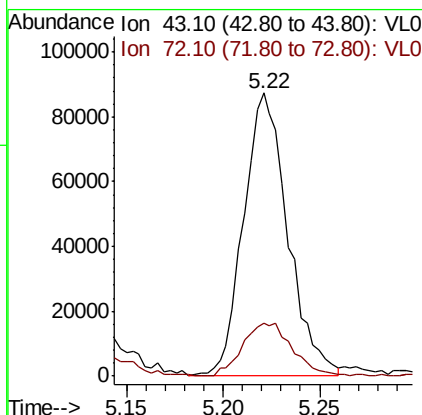
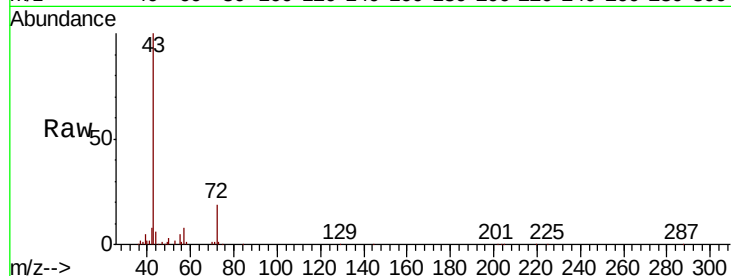




#34
2-Butanone
Concen: 0.909 ppbv
RT: 5.22 min Scan# 757
Delta R.T. -0.01 min
Lab File: VL035086.D
Acq: 22 May 2020 16:05

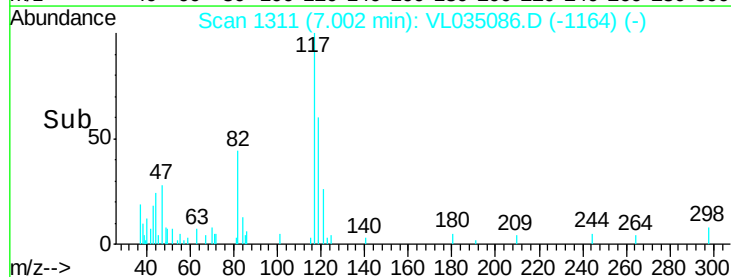
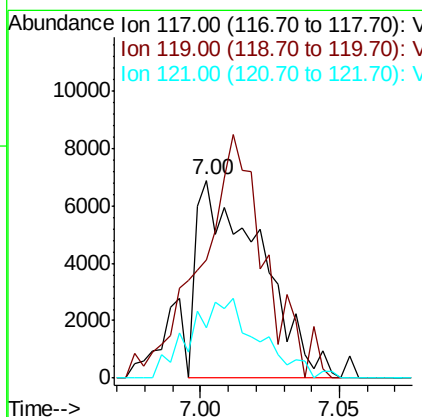
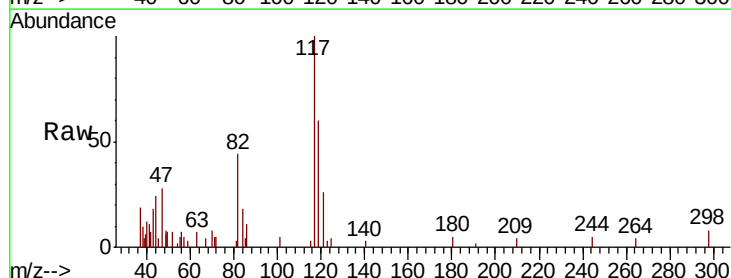
Instrument :
MSVOA_L
ClientSampleId :
IA-2

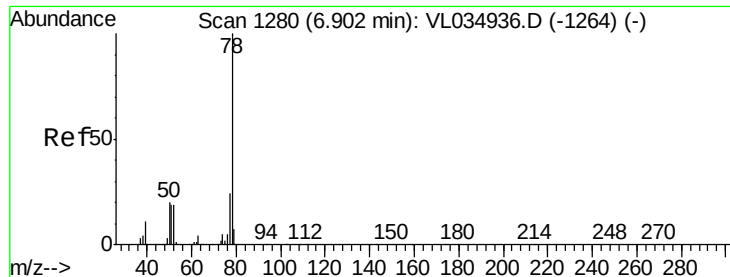
Tot Ion: 43 Resp: 137396
Ion Ratio Lower Upper
43 100
72 21.6 18.0 27.0



#35
Carbon Tetrachloride
Concen: 0.071 ppbv m
RT: 7.00 min Scan# 1311
Delta R.T. -0.03 min
Lab File: VL035086.D
Acq: 22 May 2020 16:05

Tgt Ion: 117 Resp: 10945
Ion Ratio Lower Upper
117 100
119 59.6 77.0 115.6#
121 25.5 23.0 34.6





#36

Benzene

Concen: 0.256 ppbv m

RT: 6.88 min Scan# 1274

Delta R.T. -0.02 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

Instrument :

MSVOA_L

ClientSampleId :

IA-2

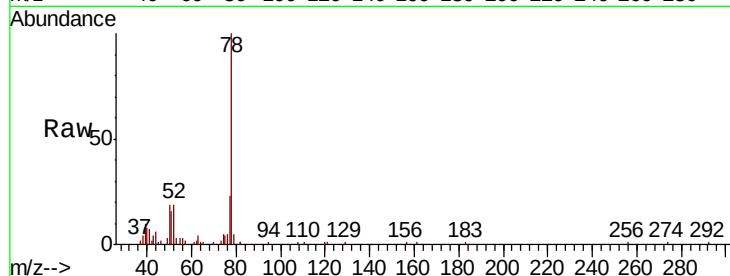
Tot Ion: 78 Resp: 51255

Ion Ratio Lower Upper

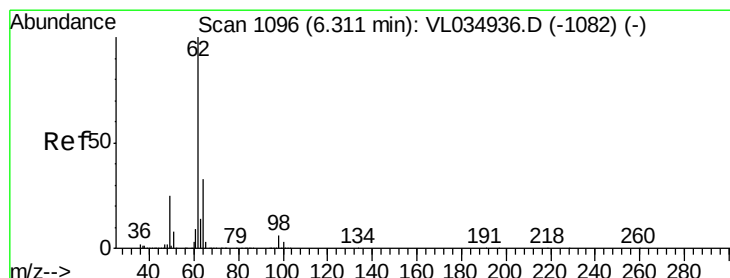
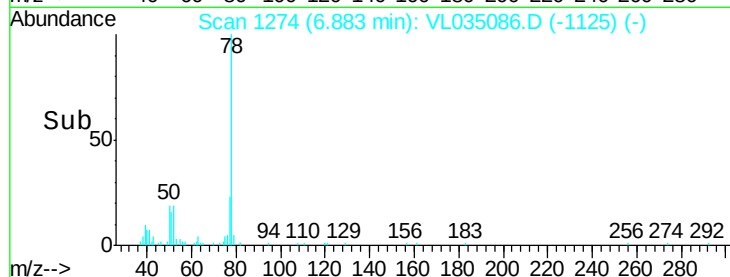
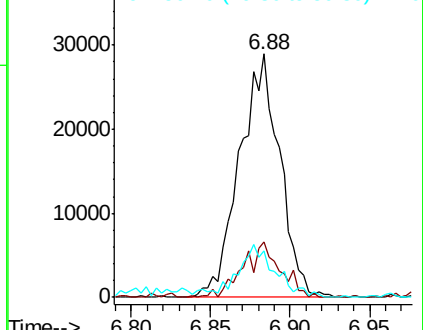
78 100

77 22.8 19.0 28.6

50 19.1 15.8 23.8



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: 0.238 ppbv m

RT: 6.29 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VL035086.D

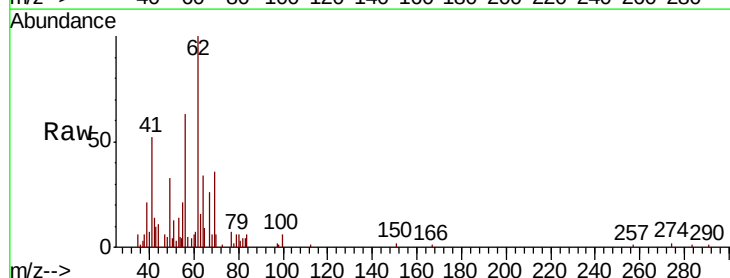
Acq: 22 May 2020 16:05

Tgt Ion: 62 Resp: 29431

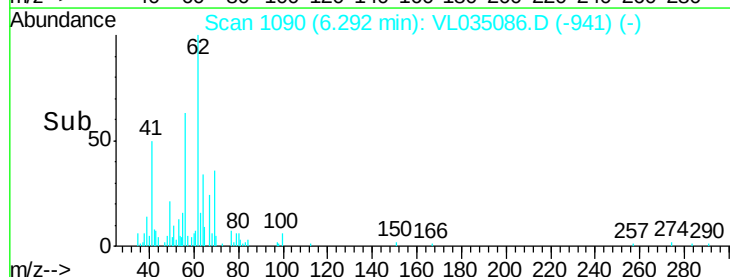
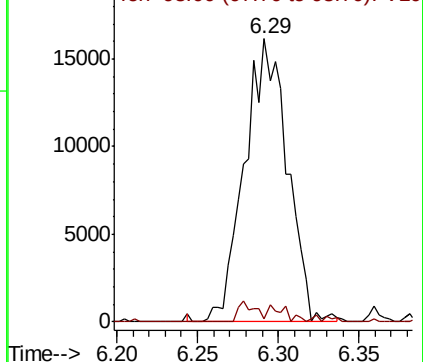
Ion Ratio Lower Upper

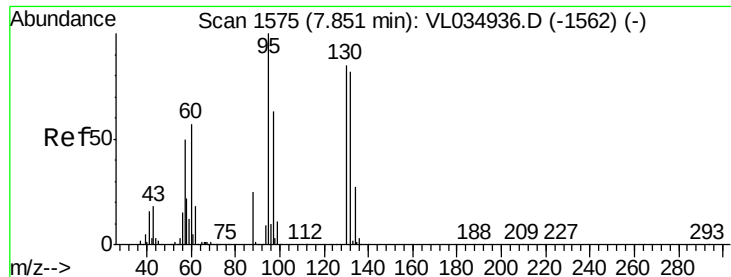
62 100

98 0.0 4.8 7.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.235 ppbv m

RT: 7.83 min Scan# 1570

Delta R.T. -0.02 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tot Ion:130 Resp: 18286

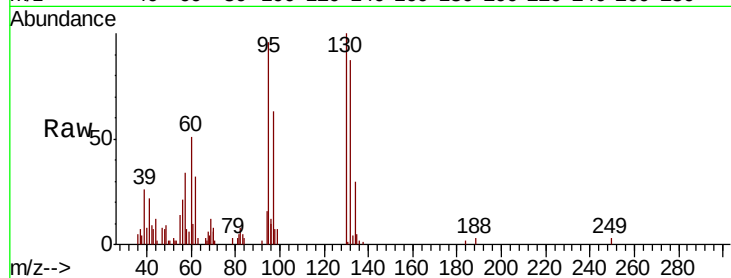
Ion Ratio Lower Upper

130 100

95 95.6 93.4 140.0

132 87.4 76.4 114.6

97 63.2 58.5 87.7

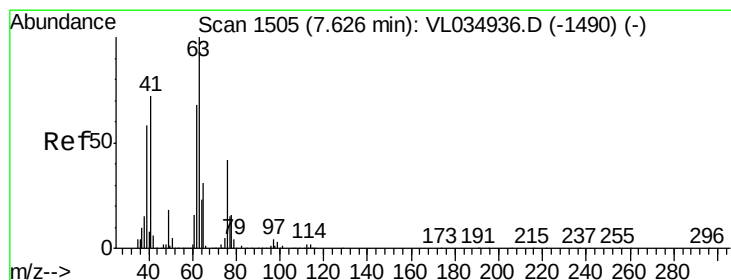
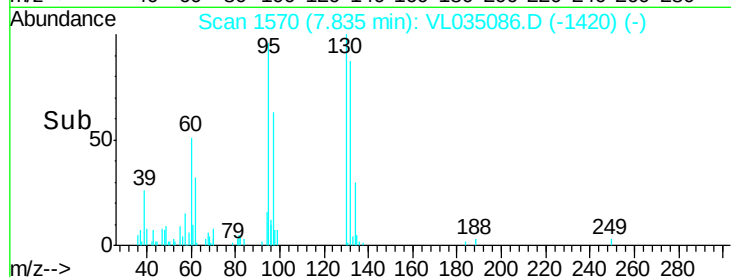
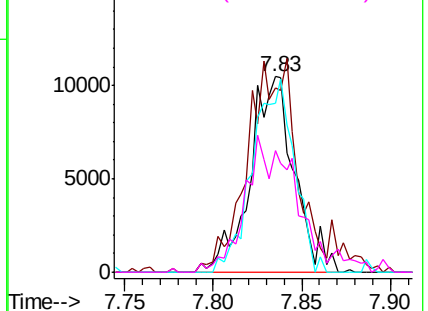


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.119 ppbv m

RT: 7.61 min Scan# 1500

Delta R.T. -0.02 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

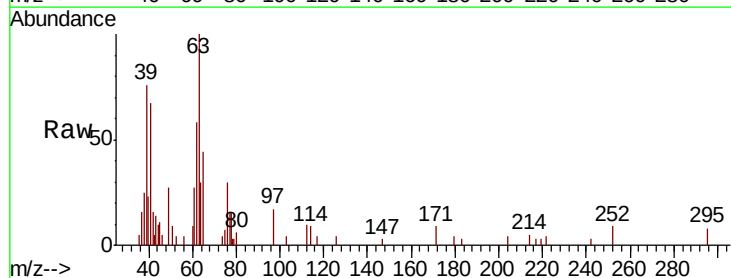
Tgt Ion: 63 Resp: 9569

Ion Ratio Lower Upper

63 100

41 67.1 57.8 86.8

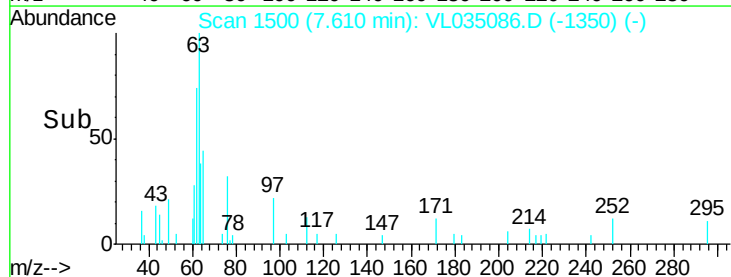
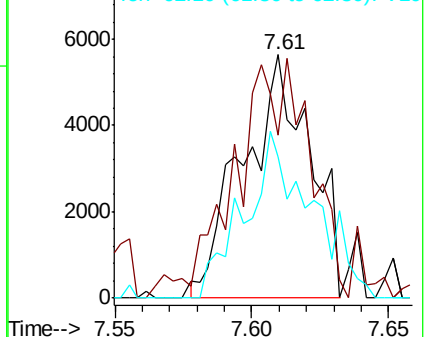
62 58.0 54.2 81.2

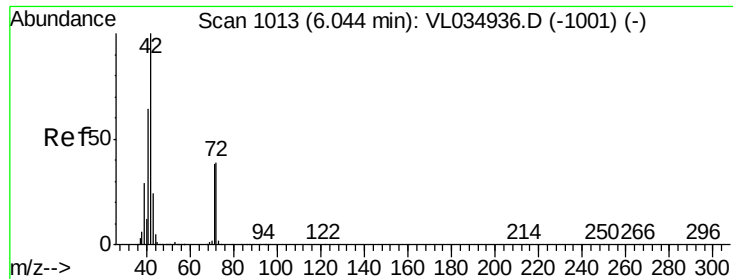


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.232 ppbv m

RT: 6.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

Instrument :

MSVOA_L

ClientSampled :

IA-2

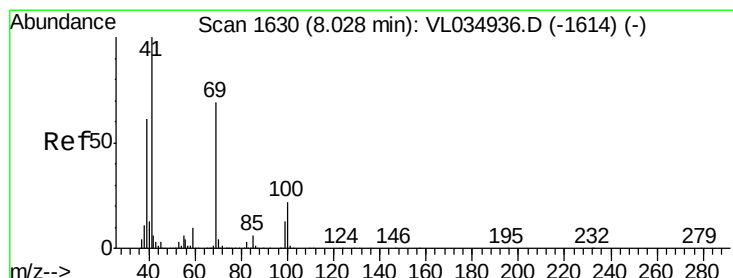
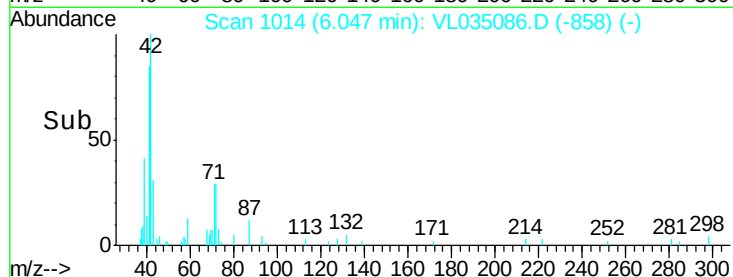
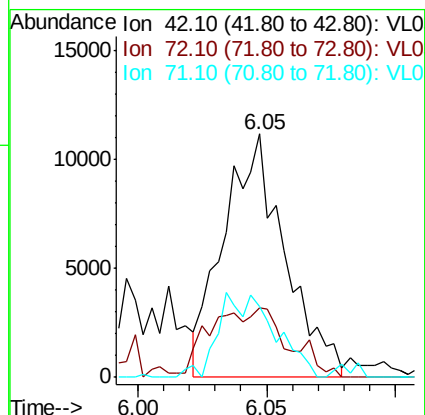
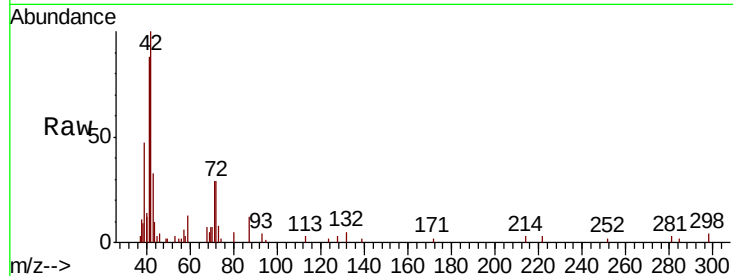
Tot Ion: 42 Resp: 18475

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 33.9 29.8 44.8



#43

Methyl Methacrylate

Concen: 0.132 ppbv m

RT: 8.01 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

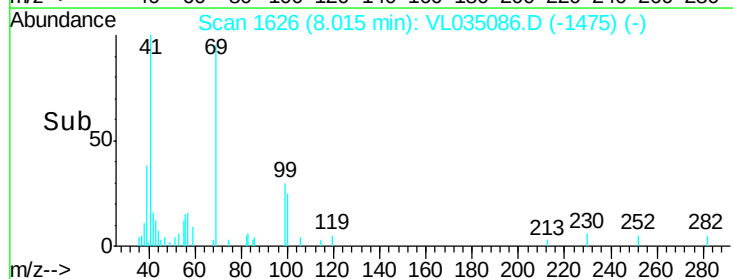
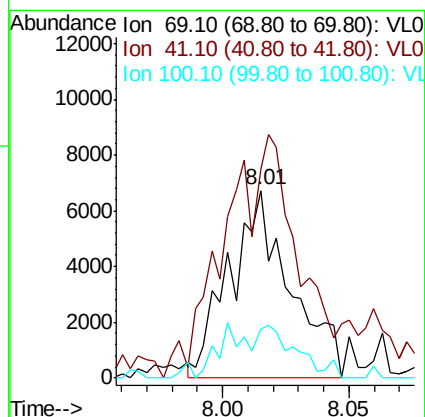
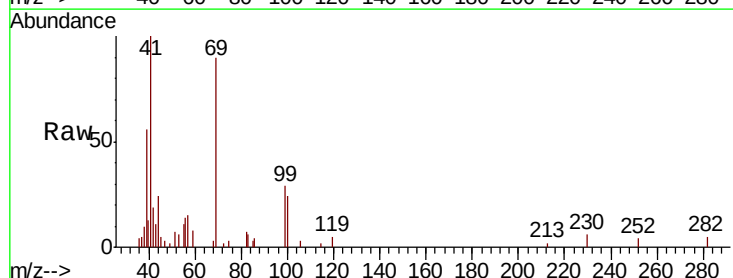
Tgt Ion: 69 Resp: 11221

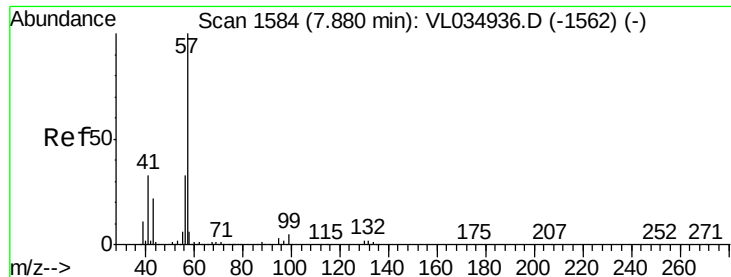
Ion Ratio Lower Upper

69 100

41 0.0 119.8 179.6#

100 32.5 25.0 37.6





#44

2,2,4-Trimethylpentane

Concen: 0.211 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. -0.02 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

Instrument :

MSVOA_L

ClientSampleId :

IA-2

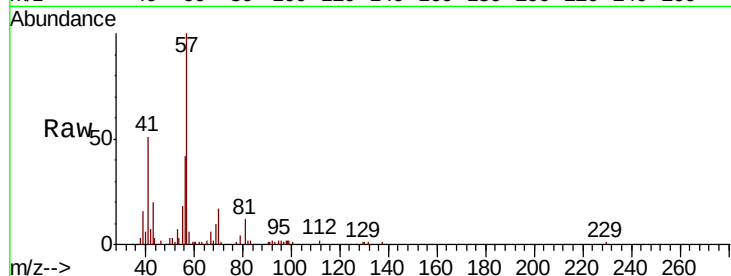
Tot Ion: 57 Resp: 75406

Ion Ratio Lower Upper

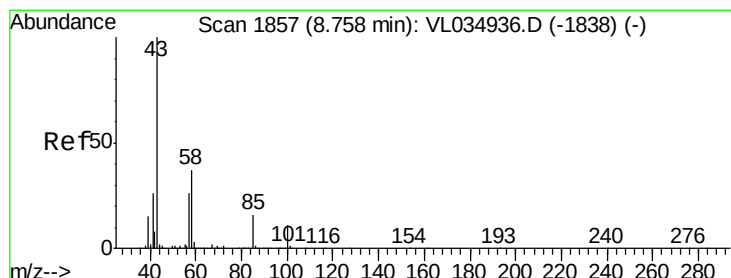
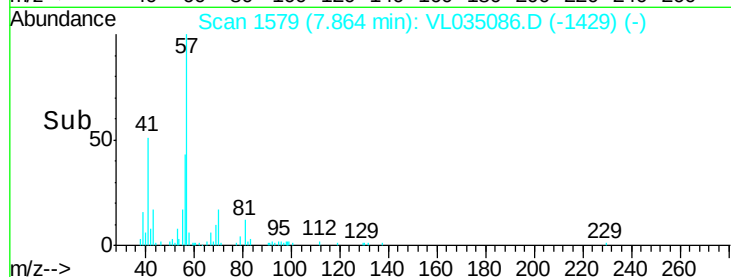
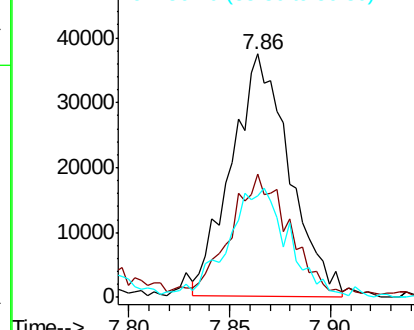
57 100

41 52.6 26.4 39.6#

56 48.2 25.5 38.3#



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: 0.534 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VL035086.D

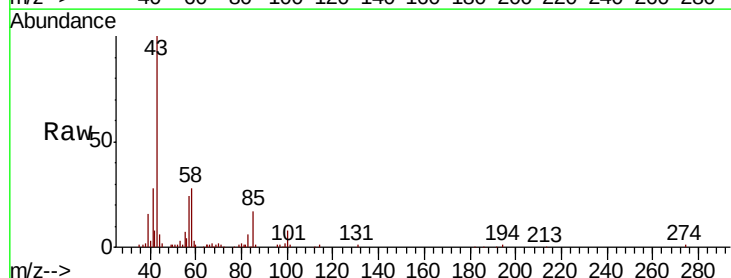
Acq: 22 May 2020 16:05

Tgt Ion: 43 Resp: 115259

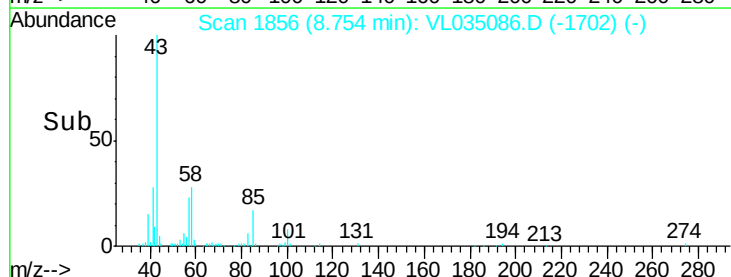
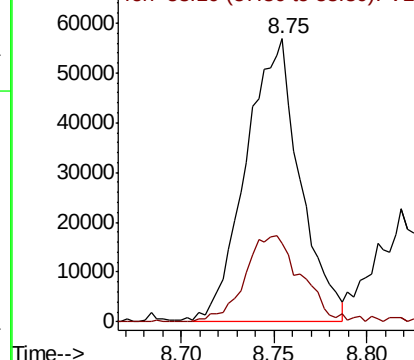
Ion Ratio Lower Upper

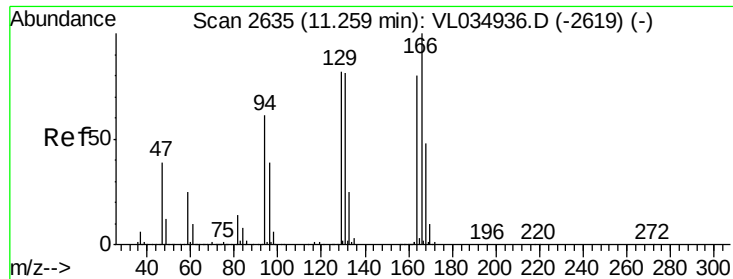
43 100

58 34.0 29.1 43.7



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





#52

Tetrachloroethene

Concen: 2.198 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. -0.02 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

Instrument :

MSVOA_L

ClientSampled :

IA-2

Tot Ion:164 Resp: 156782

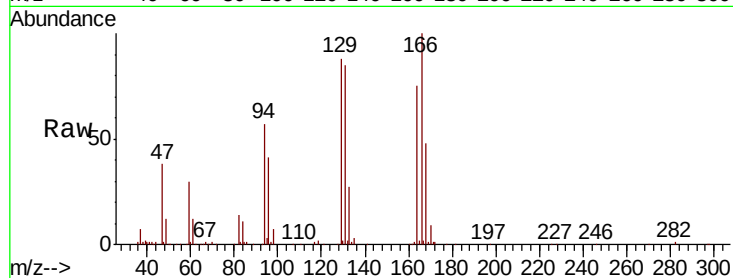
Ion Ratio Lower Upper

164 100

166 132.7 100.7 151.1

129 119.6 83.0 124.4

131 112.6 81.0 121.4

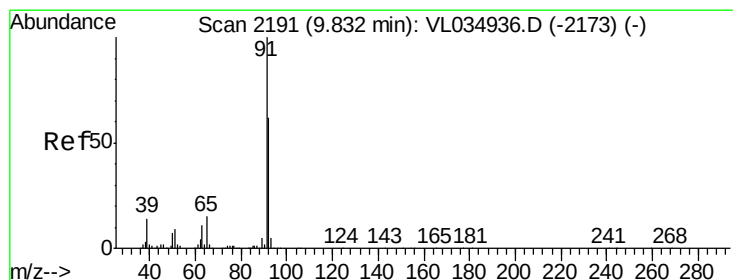
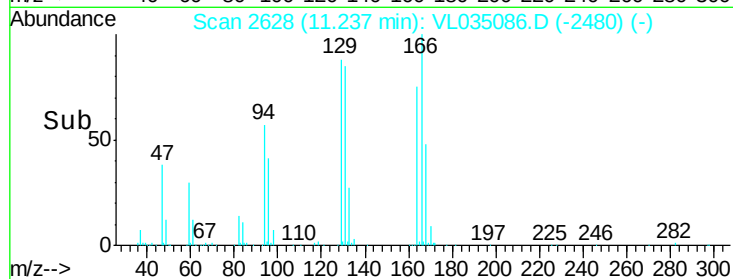
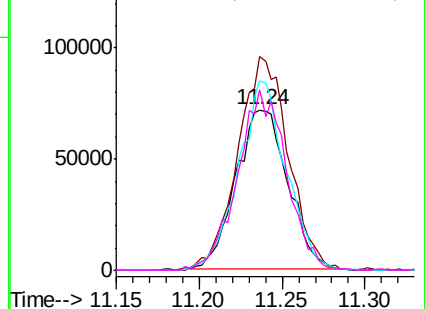


Abundance Ion 163.90 (163.60 to 164.60): V

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: 21.950 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.02 min

Lab File: VL035086.D

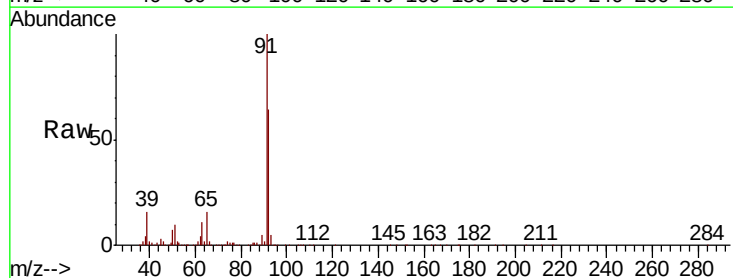
Acq: 22 May 2020 16:05

Tgt Ion: 91 Resp: 4667849

Ion Ratio Lower Upper

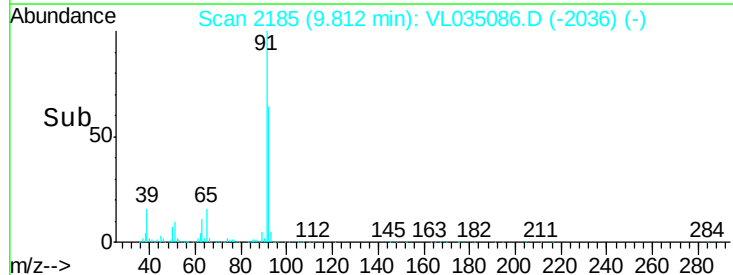
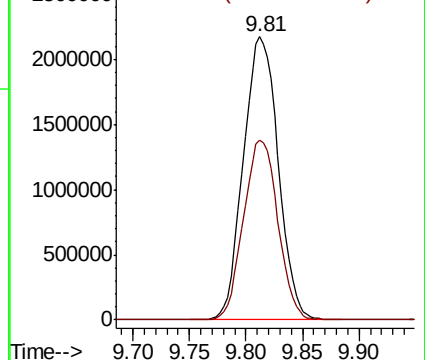
91 100

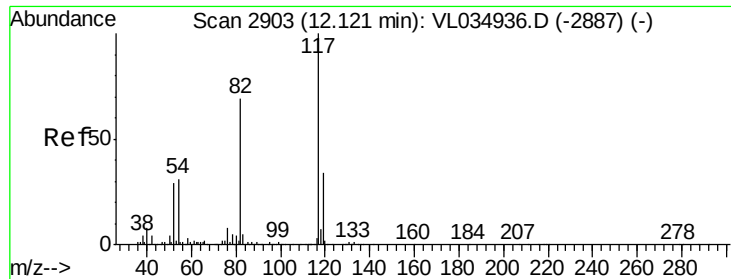
92 62.7 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

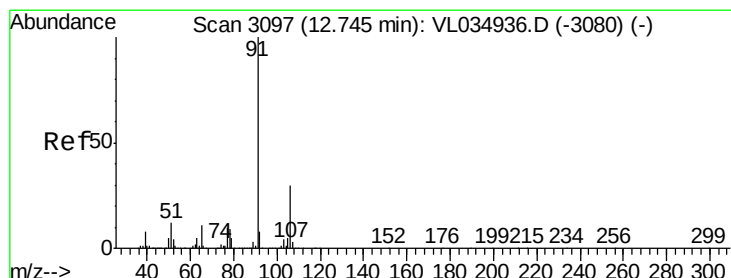
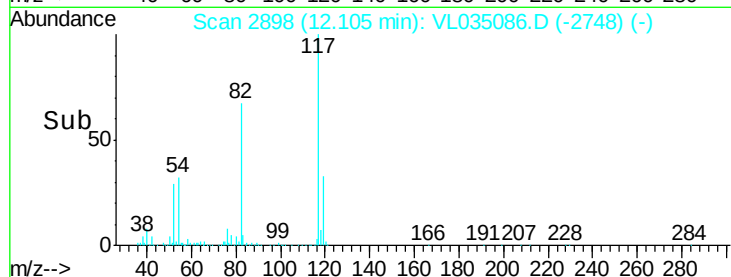
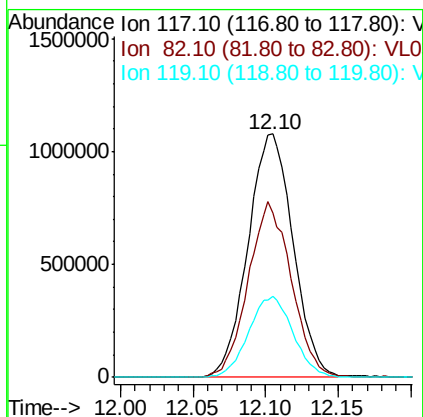
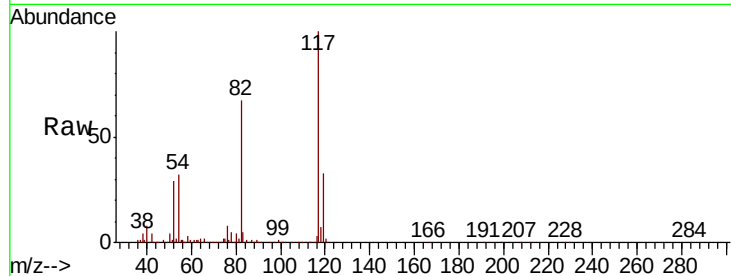




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VL035086.D
Acq: 22 May 2020 16:05

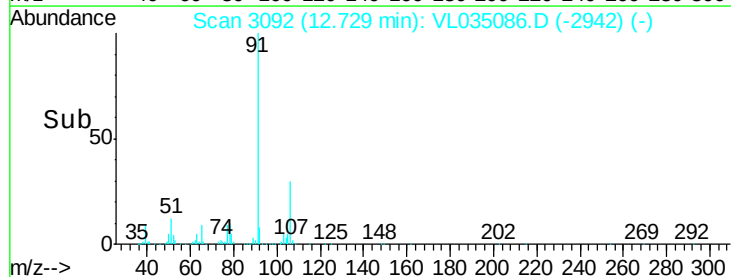
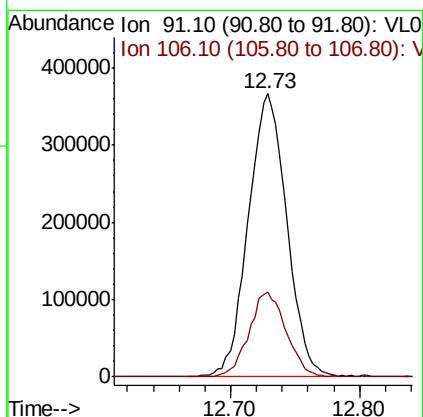
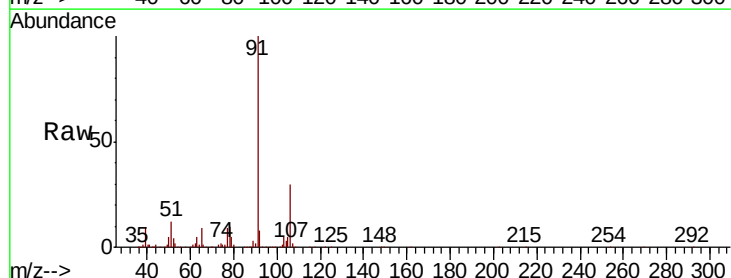
Instrument :
MSVOA_L
ClientSampleId :
IA-2

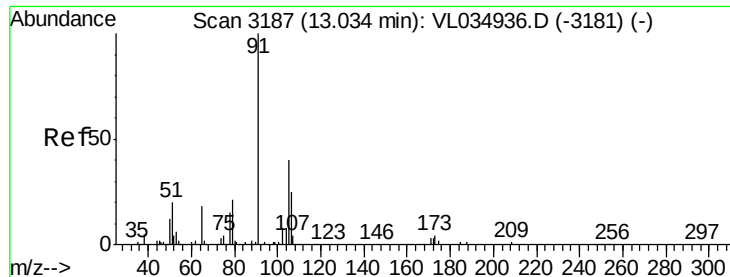
Tot Ion:117 Resp: 2331204
Ion Ratio Lower Upper
117 100
82 69.7 53.1 79.7
119 32.8 26.7 40.1



#58
Ethyl Benzene
Concen: 2.643 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.02 min
Lab File: VL035086.D
Acq: 22 May 2020 16:05

Tgt Ion: 91 Resp: 761819
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.4





#59

m/p-Xylene

Concen: 3.023 ppbv

RT: 12.98 min Scan# 3171

Delta R.T. -0.05 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

Instrument :

MSVOA_L

ClientSampleId :

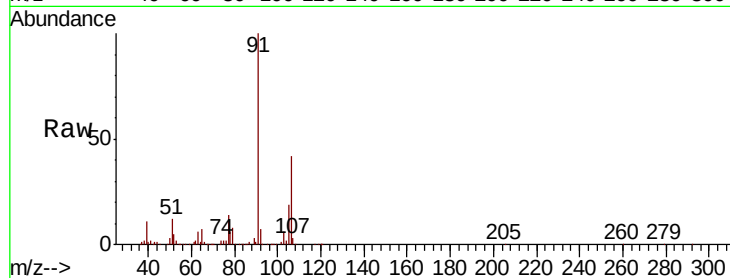
IA-2

Tot Ion: 91 Resp: 766797

Ion Ratio Lower Upper

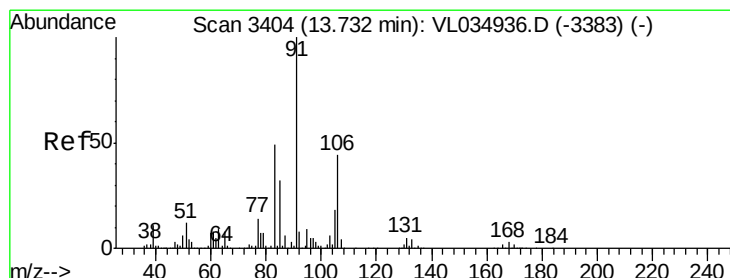
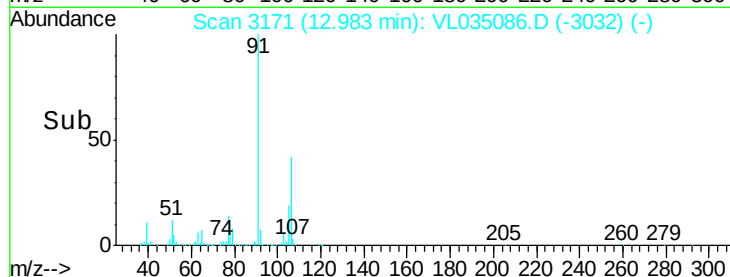
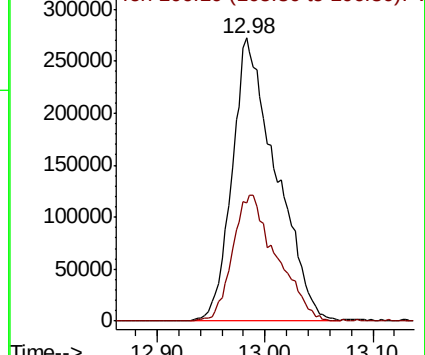
91 100

106 44.9 66.0 99.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 1.245 ppbv m

RT: 13.72 min Scan# 3399

Delta R.T. -0.02 min

Lab File: VL035086.D

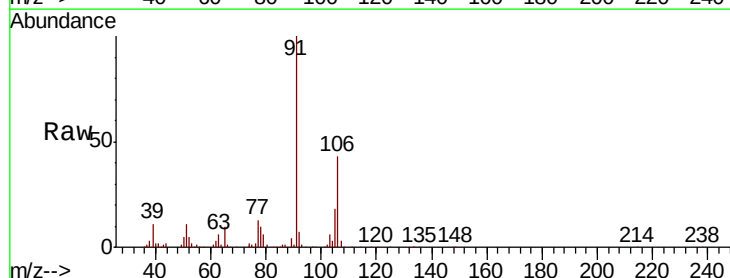
Acq: 22 May 2020 16:05

Tgt Ion: 91 Resp: 311692

Ion Ratio Lower Upper

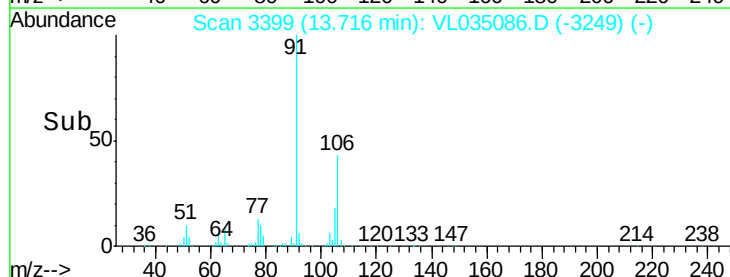
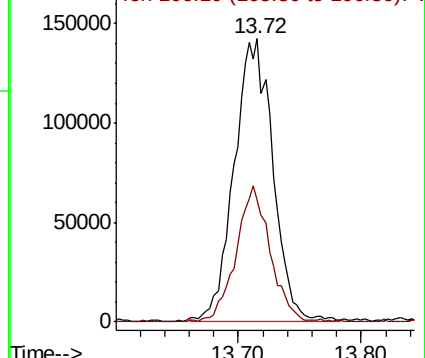
91 100

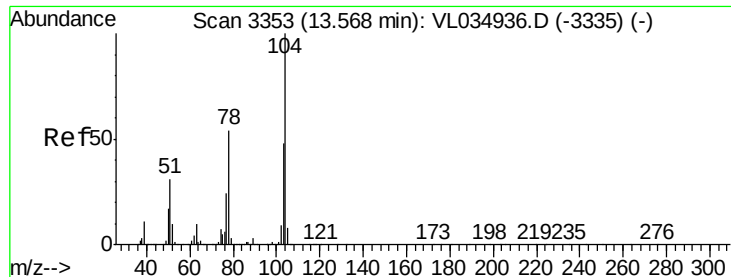
106 42.6 21.9 65.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 2.372 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. -0.02 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

Instrument :

MSVOA_L

ClientSampleId :

IA-2

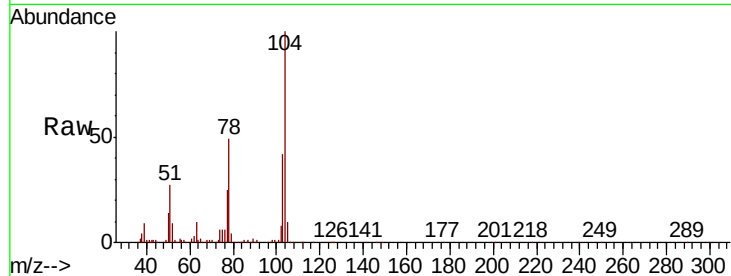
Tot Ion:104 Resp: 375690

Ion Ratio Lower Upper

104 100

78 53.6 43.7 65.5

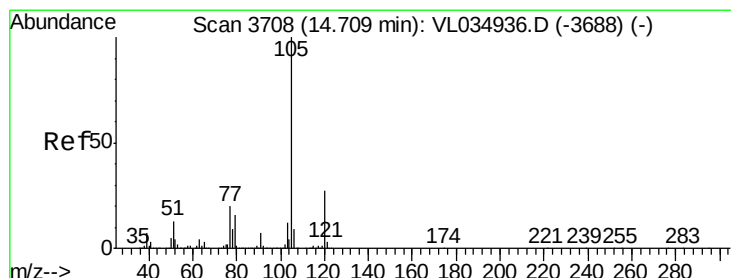
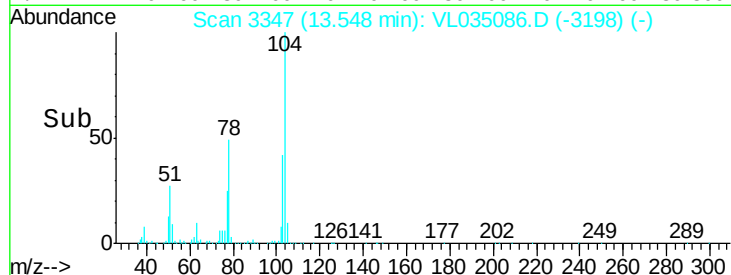
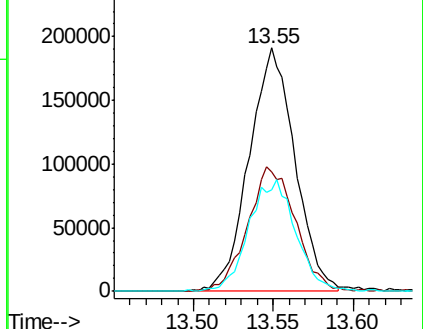
103 47.2 38.8 58.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.126 ppbv m

RT: 14.69 min Scan# 3701

Delta R.T. -0.02 min

Lab File: VL035086.D

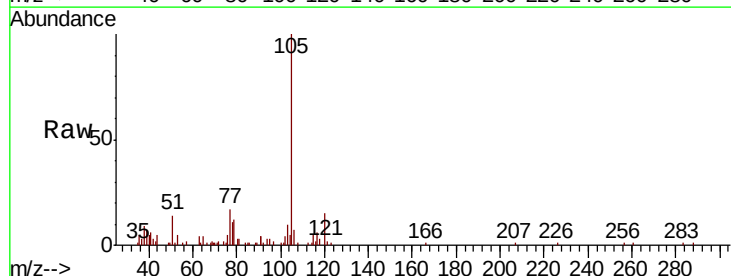
Acq: 22 May 2020 16:05

Tgt Ion:105 Resp: 47083

Ion Ratio Lower Upper

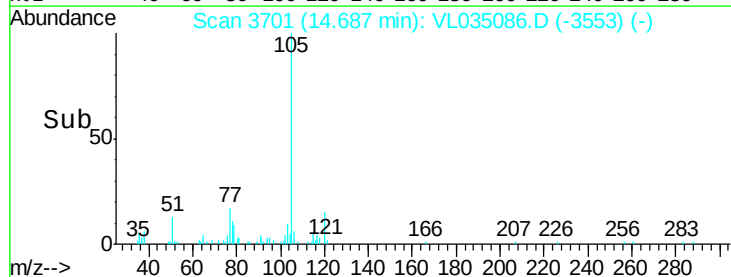
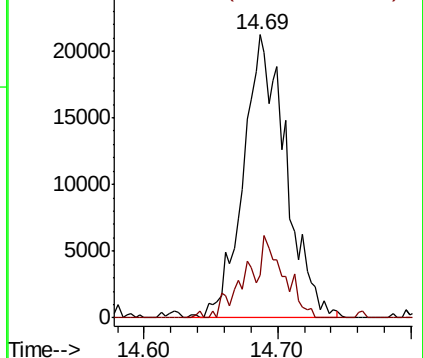
105 100

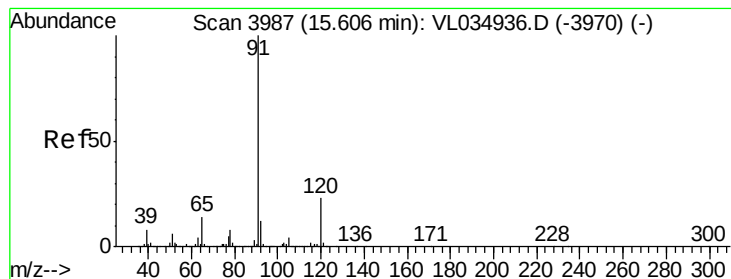
120 24.9 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.155 ppbv m

RT: 15.58 min Scan# 3980

Delta R.T. -0.02 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

Instrument :

MSVOA_L

ClientSampled :

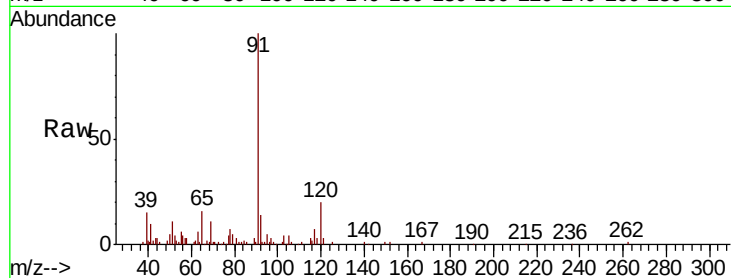
IA-2

Tot Ion:120 Resp: 14896

Ion Ratio Lower Upper

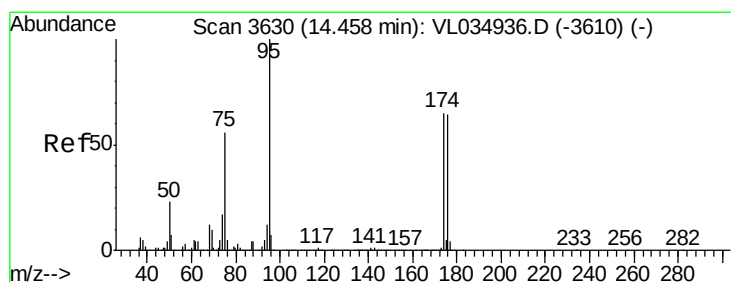
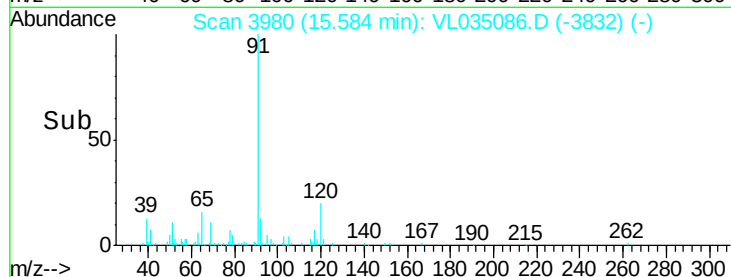
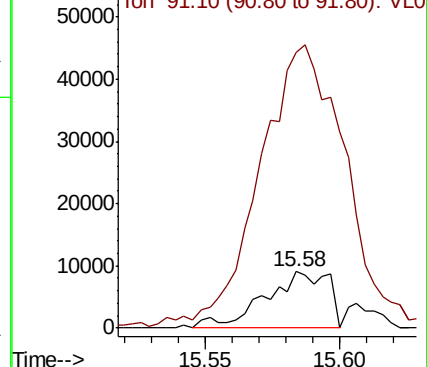
120 100

91 670.1 373.5 560.3#



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: 10.693 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.02 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

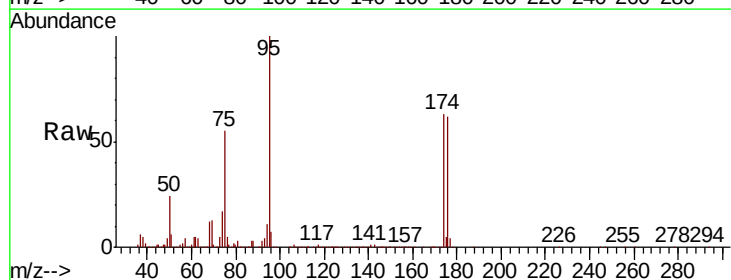
Tgt Ion: 95 Resp: 2017660

Ion Ratio Lower Upper

95 100

174 64.2 51.5 77.3

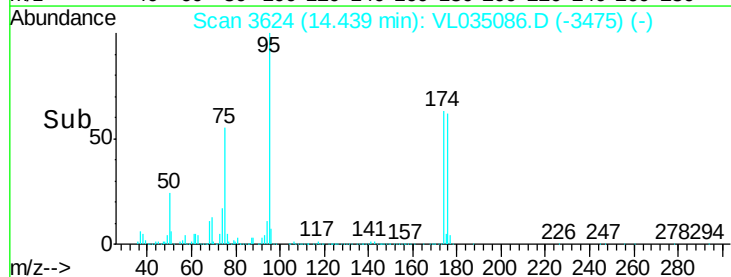
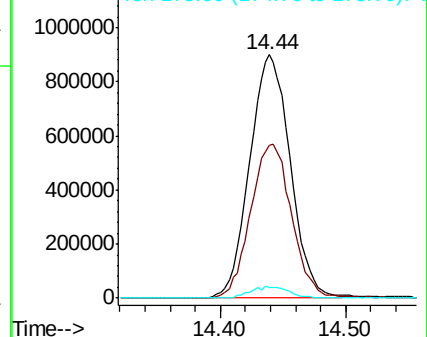
175 4.6 3.8 5.8

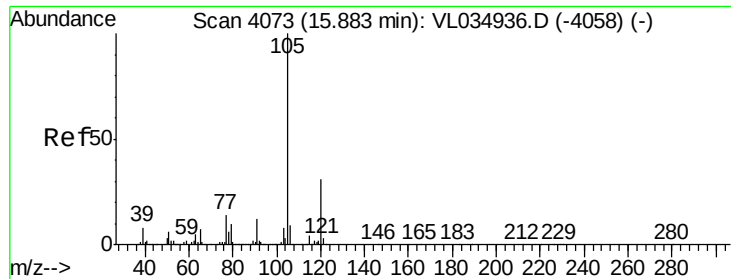


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.349 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.02 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

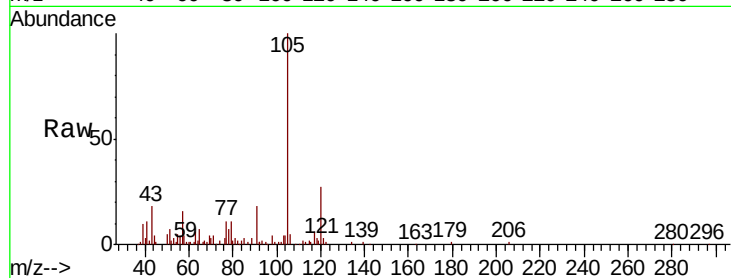
Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tot Ion:	105	Resp:	97503
Ion	Ratio	Lower	Upper
105	100		
120	34.2	23.8	35.8
91	22.4	10.6	15.8#
77	19.0	11.6	17.4#

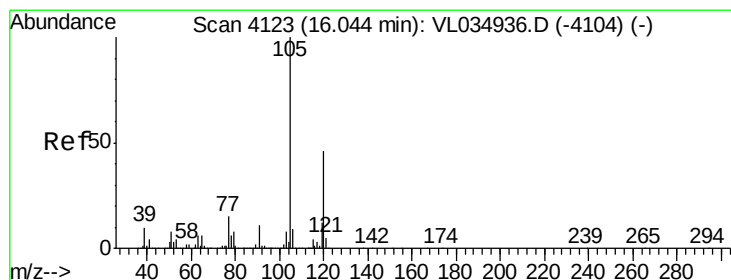
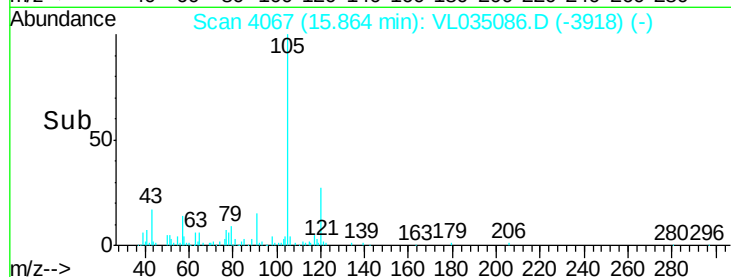
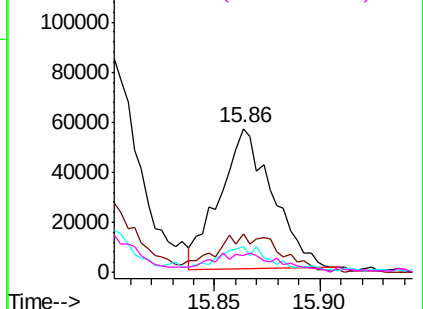


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.371 ppbv

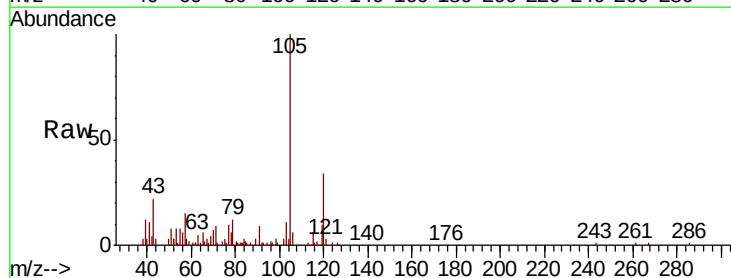
RT: 16.03 min Scan# 4118

Delta R.T. -0.02 min

Lab File: VL035086.D

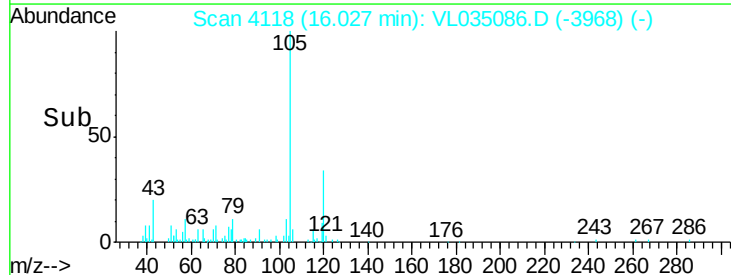
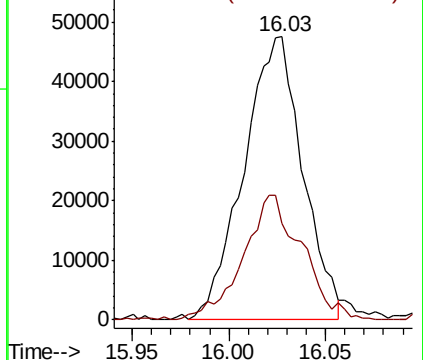
Acq: 22 May 2020 16:05

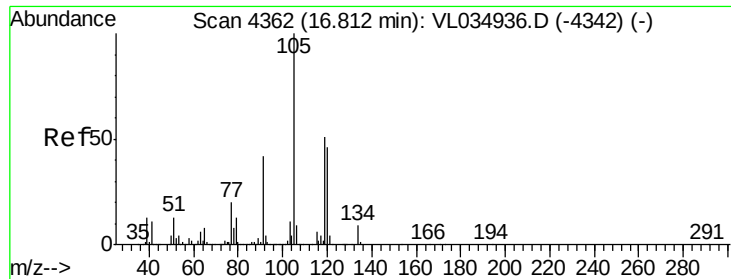
Tgt Ion:	105	Resp:	100806
Ion	Ratio	Lower	Upper
105	100		
120	32.0	36.4	54.6#



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: 0.596 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.02 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tot Ion:105 Resp: 176648

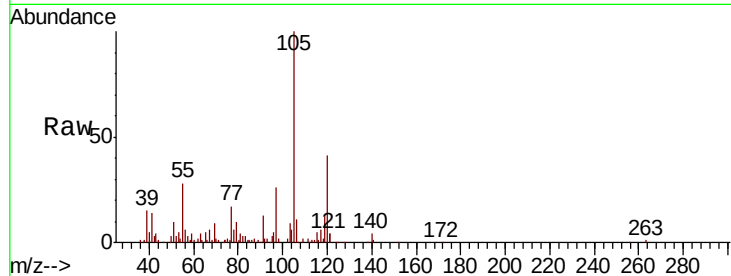
Ion Ratio Lower Upper

105 100

120 44.2 36.8 55.2

91 11.7 35.4 53.0#

77 16.2 16.2 24.2

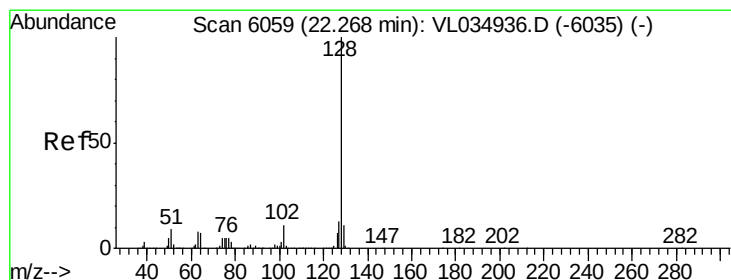
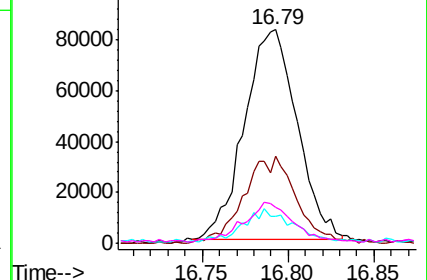
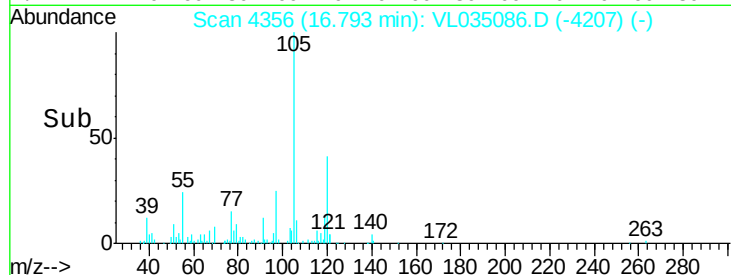


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 0.207 ppbv m

RT: 22.26 min Scan# 6055

Delta R.T. -0.01 min

Lab File: VL035086.D

Acq: 22 May 2020 16:05

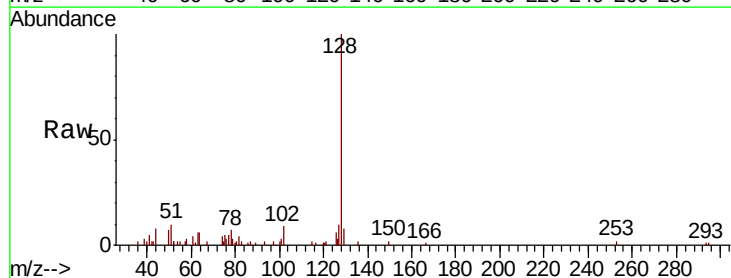
Tgt Ion:128 Resp: 47836

Ion Ratio Lower Upper

128 100

127 9.8 10.5 15.7#

129 8.4 9.0 13.4#



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

