

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

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:45:51 AM

Quant Time: Sep 09 08:38:00 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 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	2.97	51	185454m	1.575	ppbv	
4) Chloromethane	3.12	50	30044	0.476	ppbv	97
9) Propene	3.00	41	78672	1.733	ppbv #	71
10) Heptane	8.11	43	27632m	0.227	ppbv	
11) Trichlorofluoromethane	3.93	101	2196506	8.165	ppbv	99
13) Ethanol	3.59	45	770890	68.506	ppbv	97
15) Acetone	3.83	43	6878883	58.595	ppbv #	84
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
26) Hexane	5.67	57	141918	1.208	ppbv #	69
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
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
65) tert-Butylbenzene	16.77	119	72349m	0.128	ppbv	
69) p-Isopropyltoluene	17.65	119	95360	0.144	ppbv	97
70) n-Butylbenzene	18.56	91	113201m	0.178	ppbv	
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
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

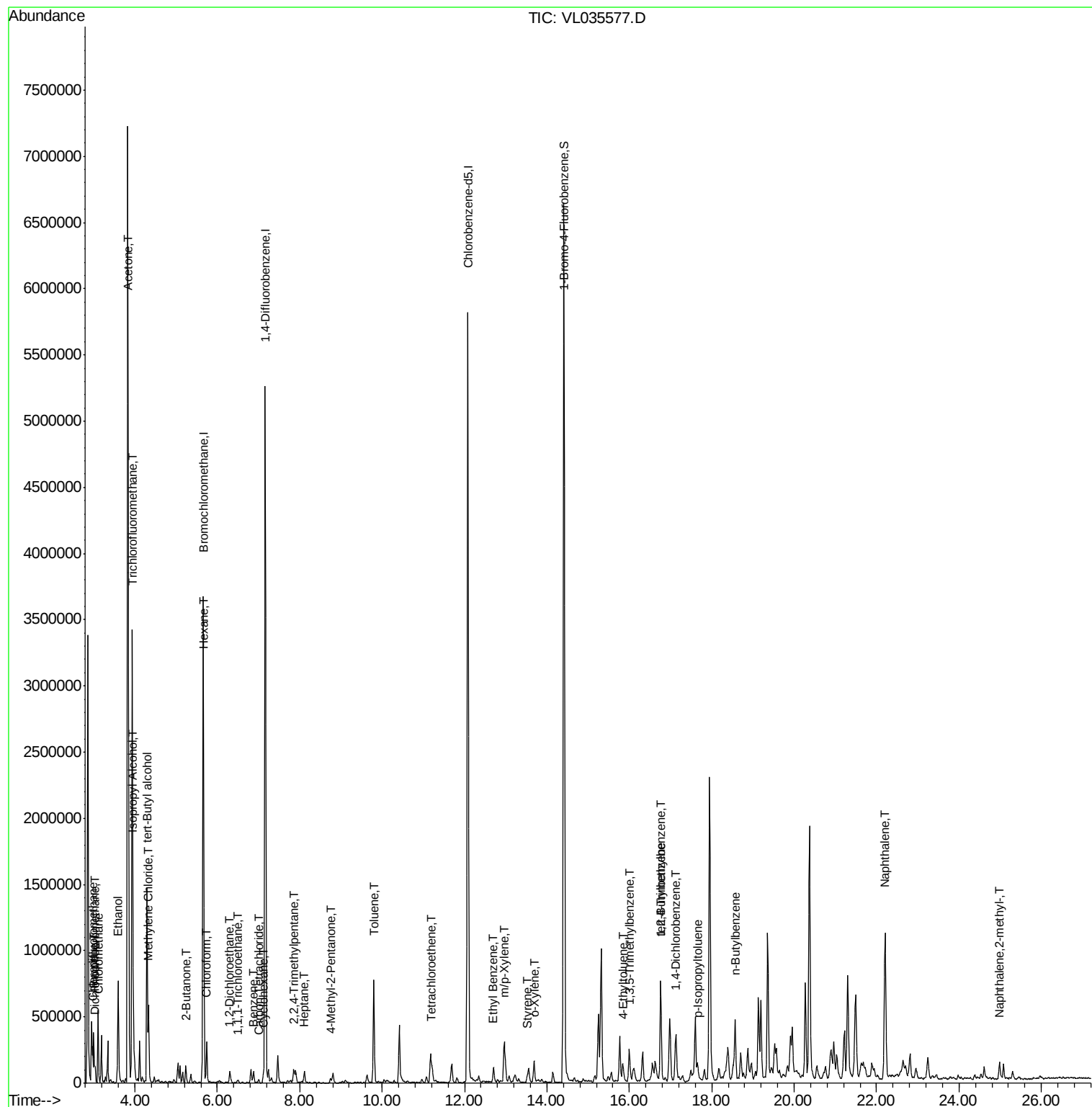
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
Data File : VL035577.D
Acq On : 9 Sep 2020 7:51
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Quant Time: Sep 09 08:38:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration





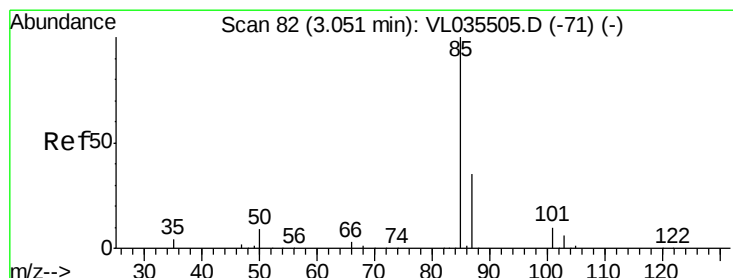
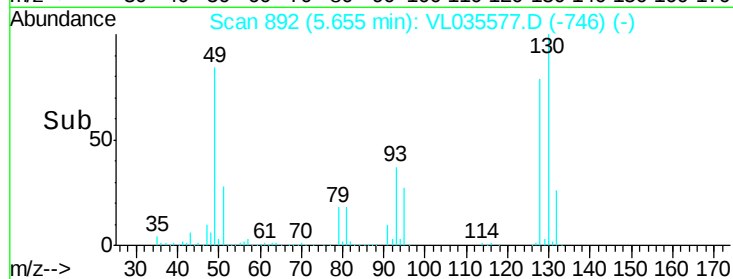
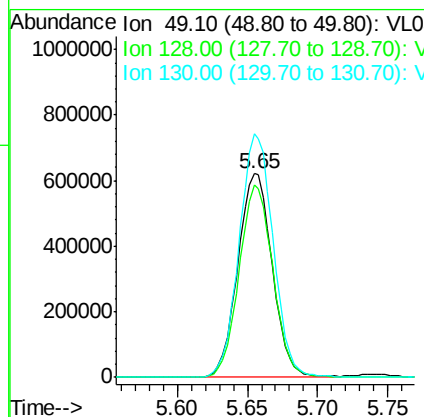
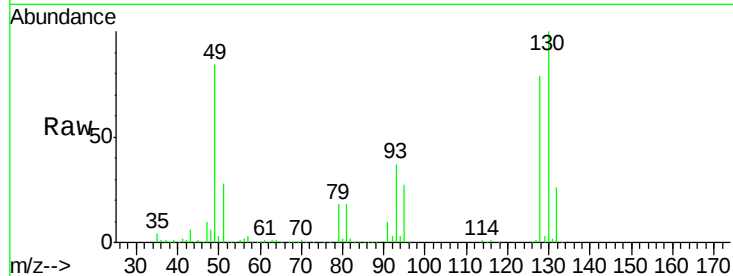
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

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

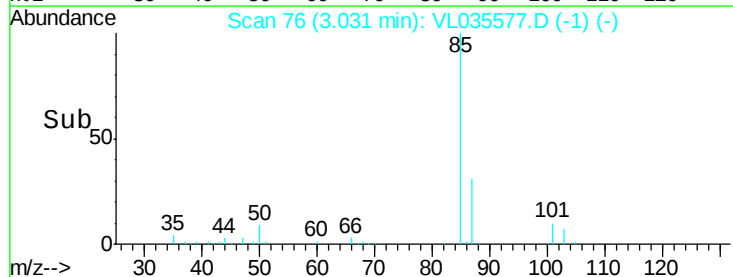
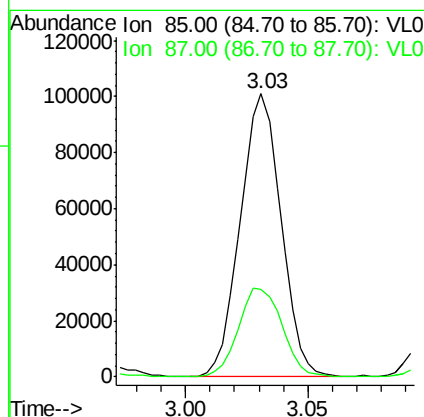
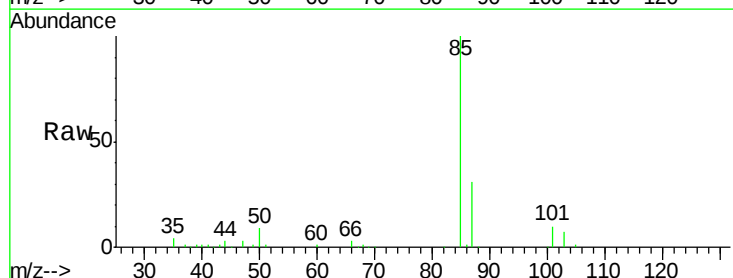
Manual Integrations
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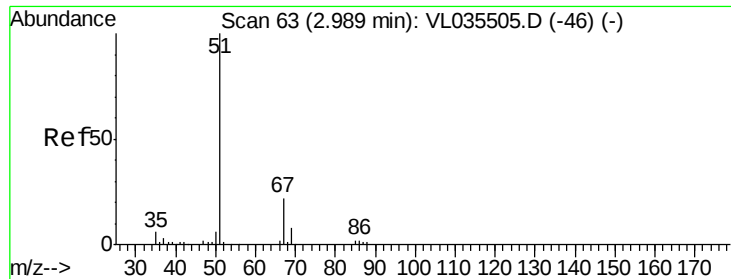
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#2
Dichlorodifluoromethane
Concen: 0.630 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.02 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

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





#3

Chlorodifluoromethane

Concen: 1.575 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampled :

SS-8

Tot Ion: 51 Resp: 185454

Ion Ratio Lower Upper

51 100

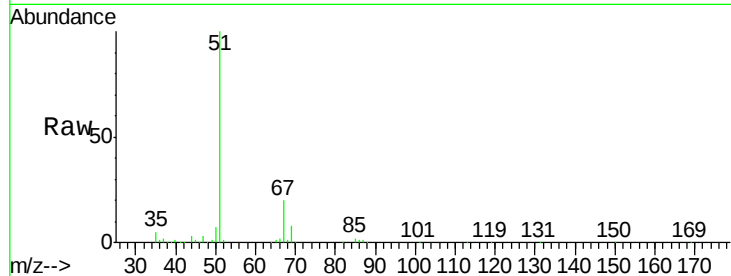
67 23.5 17.8 26.8

Manual Integrations

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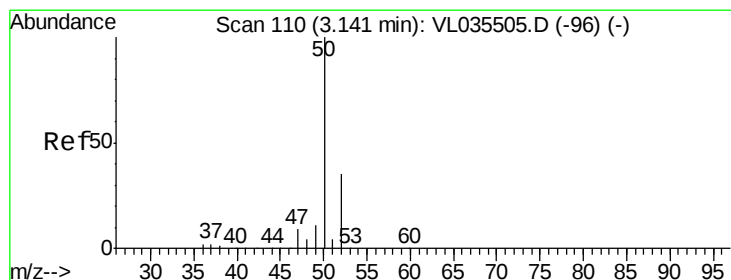
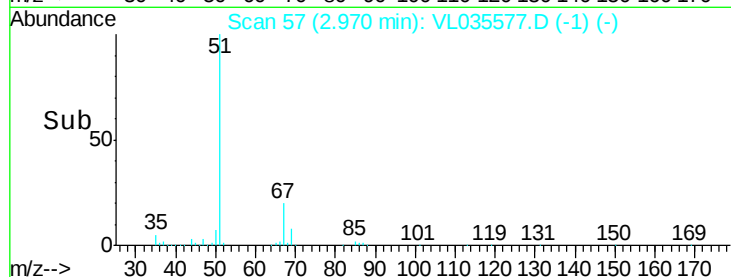
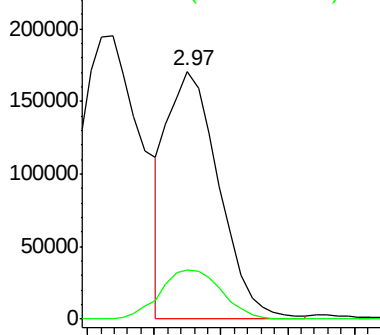
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Abundance Ion 51.00 (50.70 to 51.70): VL0

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

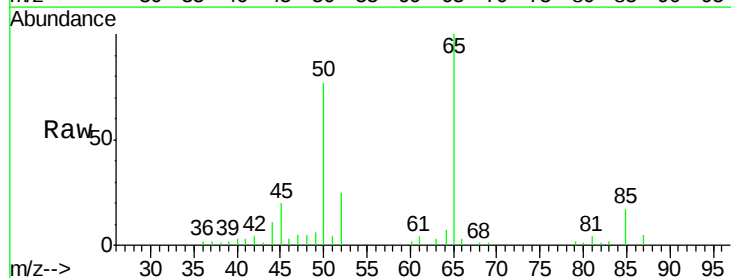
Acq: 9 Sep 2020 7:51

Tgt Ion: 50 Resp: 30044

Ion Ratio Lower Upper

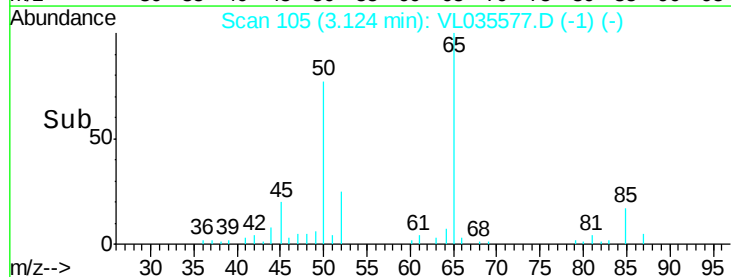
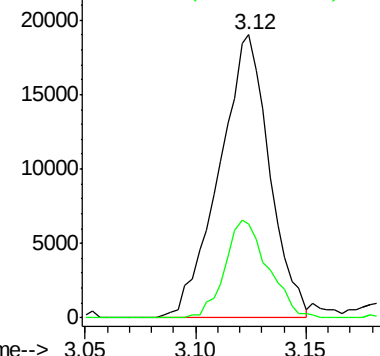
50 100

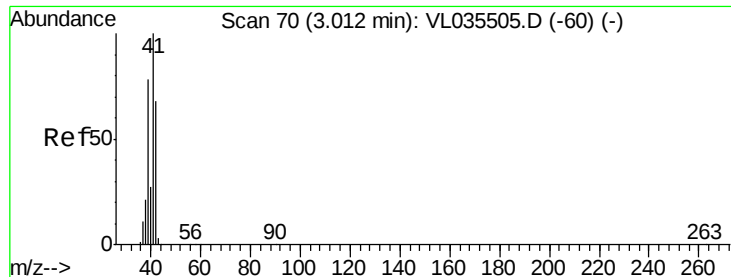
52 33.1 27.7 41.5



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

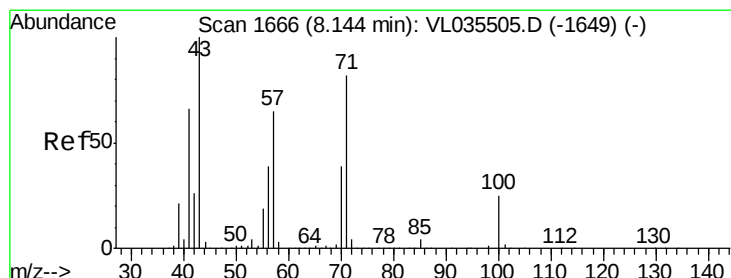
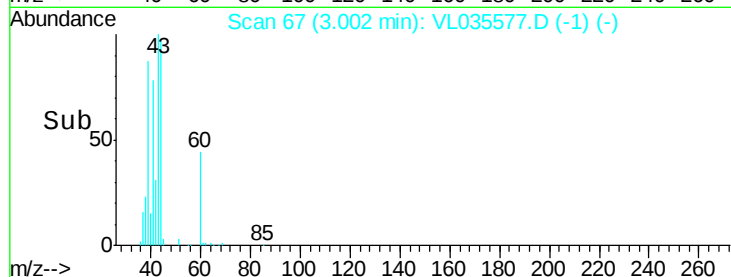
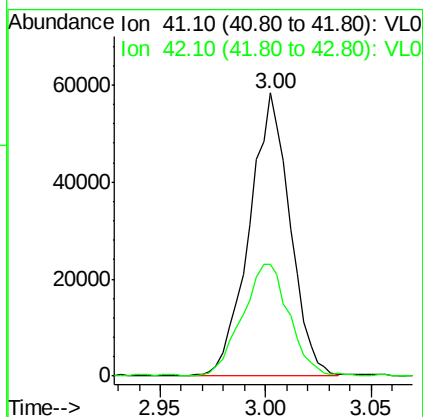
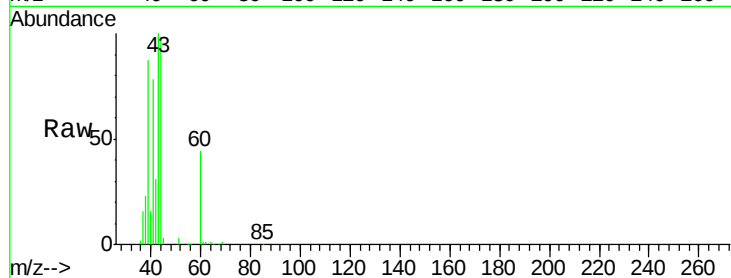
41 100

42 46.2 56.3 84.5#

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#10

Heptane

Concen: 0.227 ppbv m

RT: 8.11 min Scan# 1656

Delta R.T. -0.03 min

Lab File: VL035577.D

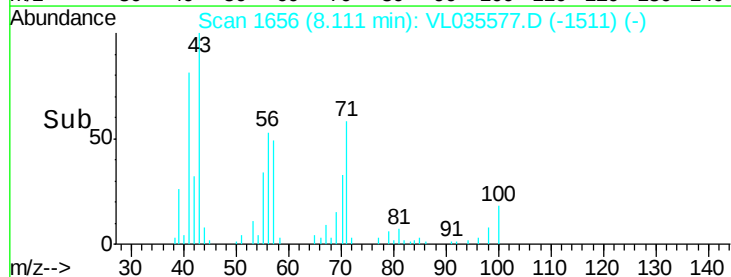
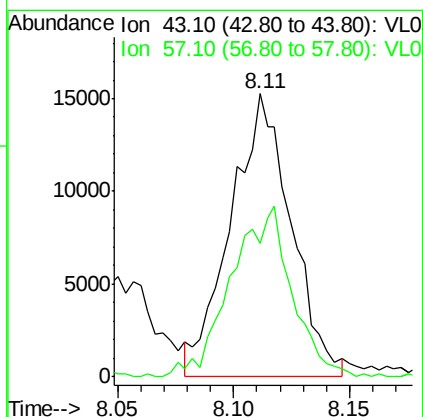
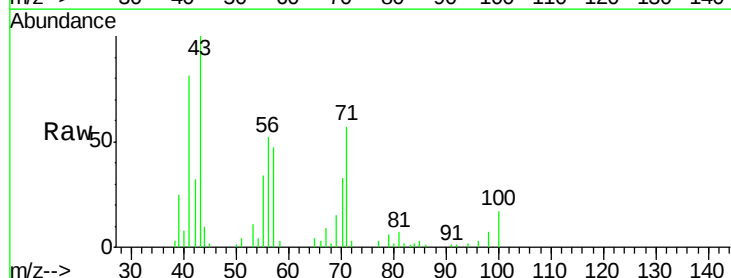
Acq: 9 Sep 2020 7:51

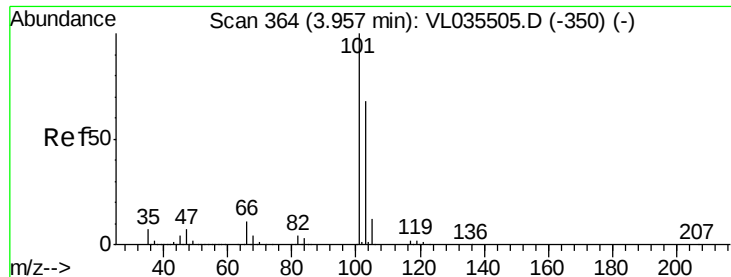
Tgt Ion: 43 Resp: 27632

Ion Ratio Lower Upper

43 100

57 0.0 51.4 77.0#





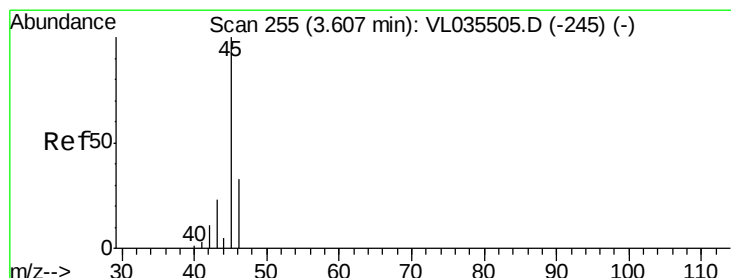
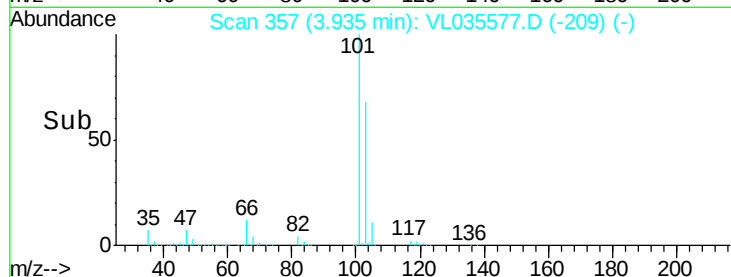
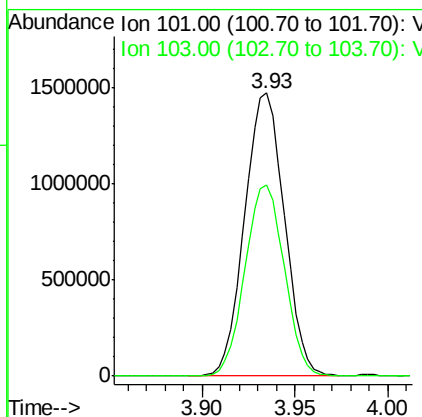
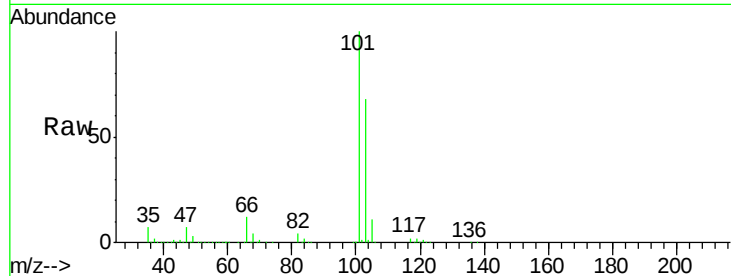
#11
 Trichlorofluoromethane
 Concen: 8.165 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.02 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8

Tot Ion:101 Resp: 2196506
 Ion Ratio Lower Upper
 101 100
 103 67.5 54.5 81.7

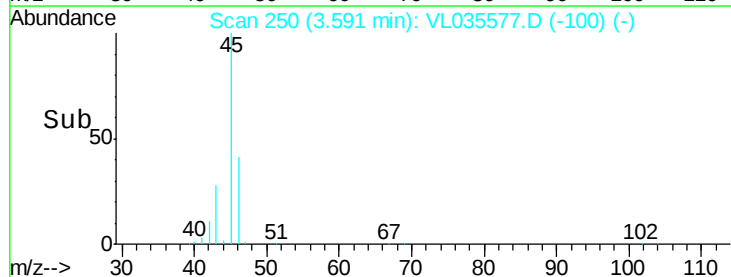
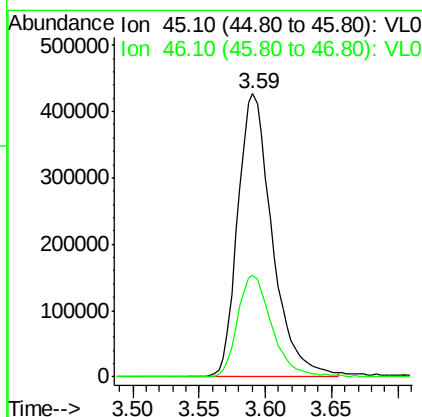
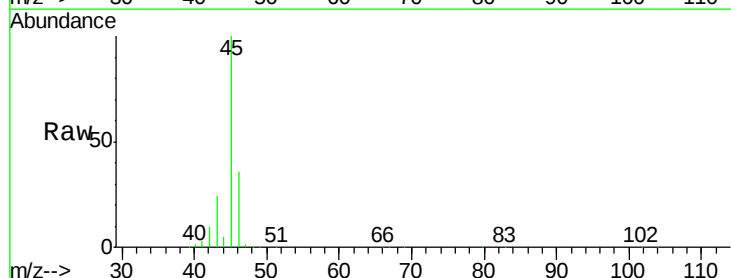
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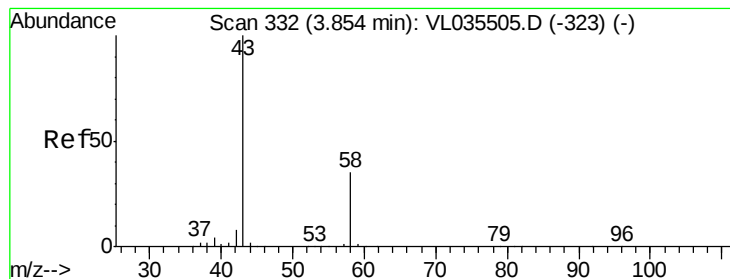
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#13
 Ethanol
 Concen: 68.506 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. -0.02 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

Tgt Ion: 45 Resp: 770890
 Ion Ratio Lower Upper
 45 100
 46 36.2 15.2 60.6





#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

Instrument :

MSVOA_L

ClientSampled :

SS-8

Tot Ion: 43 Resp: 6878883

Ion Ratio Lower Upper

43 100

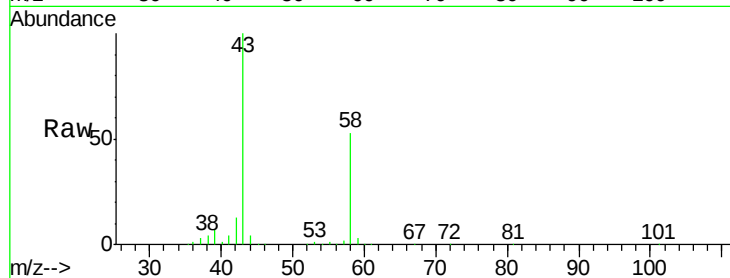
58 45.1 28.4 42.6#

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

4000000

3000000

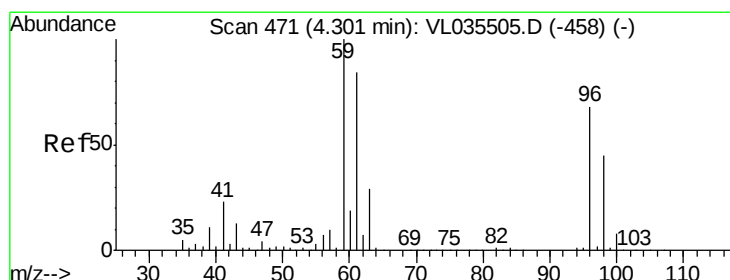
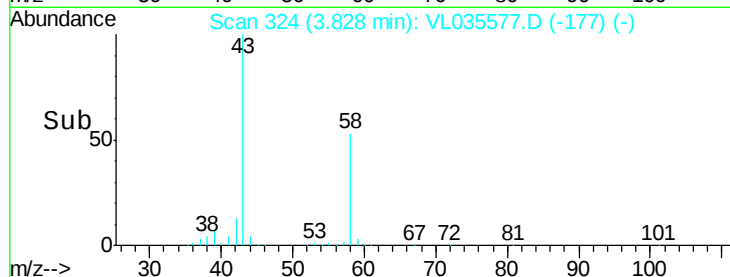
2000000

1000000

0

Time-->

3.75 3.80 3.85 3.90 3.95



#17

tert-Butyl alcohol

Concen: 2.308 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.01 min

Lab File: VL035577.D

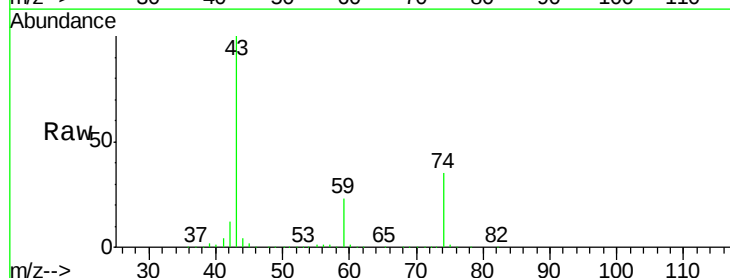
Acq: 9 Sep 2020 7:51

Tgt Ion: 59 Resp: 329804

Ion Ratio Lower Upper

59 100

57 6.6 8.4 12.6#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

200000

150000

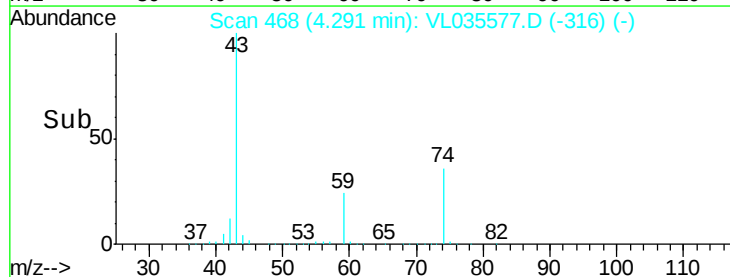
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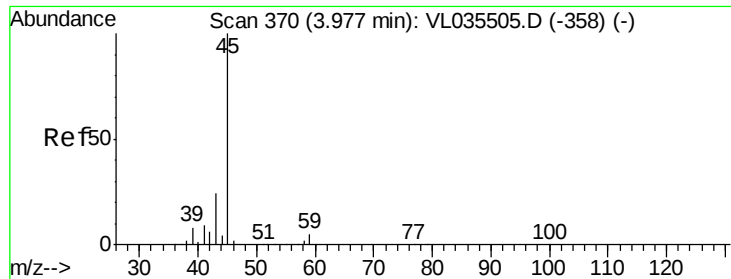
50000

0

Time-->

4.20 4.25 4.30 4.35





#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

ClientSampled :

SS-8

Tot Ion: 45 Resp: 534720

Ion Ratio Lower Upper

45 100

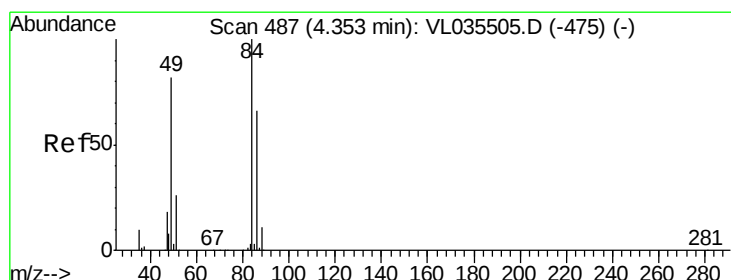
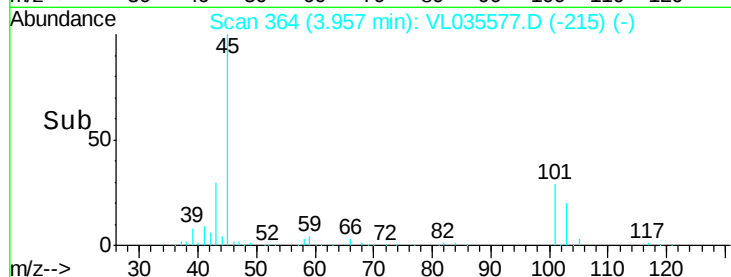
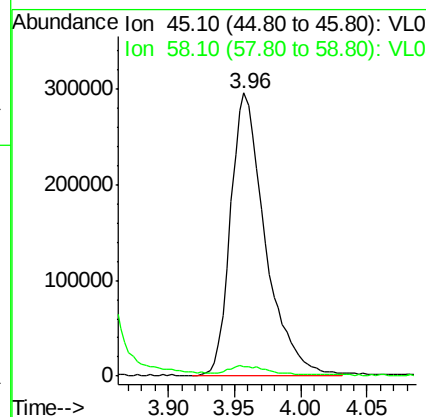
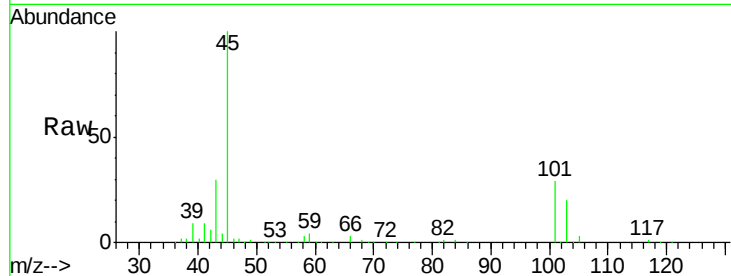
58 0.0 2.0 3.0#

Manual Integrations

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9/10/2020 10:45:51 AM



#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

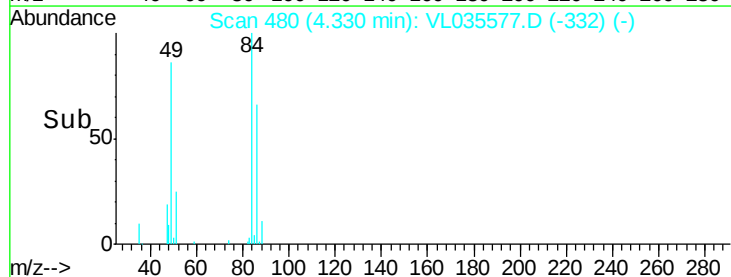
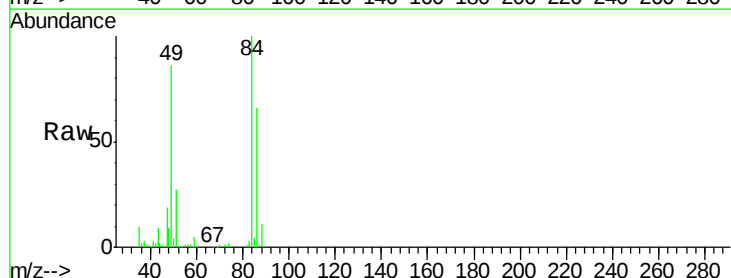
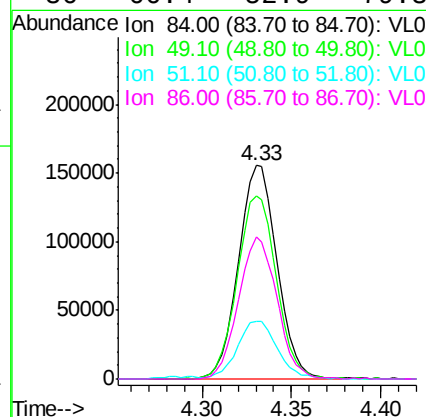
Ion Ratio Lower Upper

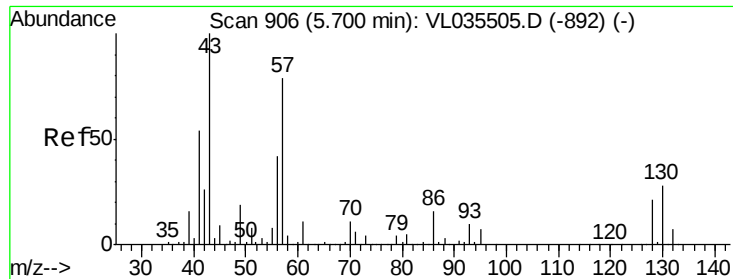
84 100

49 85.4 65.4 98.0

51 26.7 21.5 32.3

86 66.4 52.9 79.3





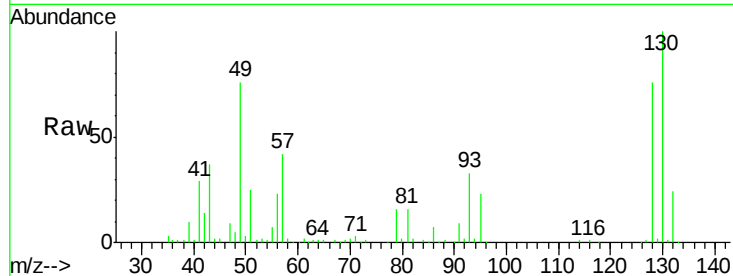
#26
Hexane
Concen: 1.208 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
SS-8

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

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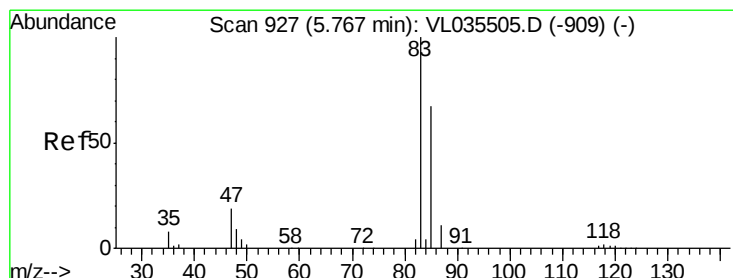
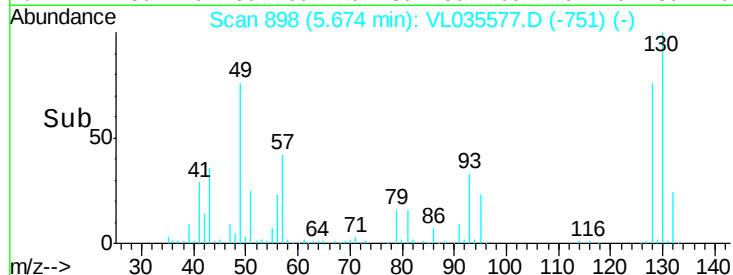
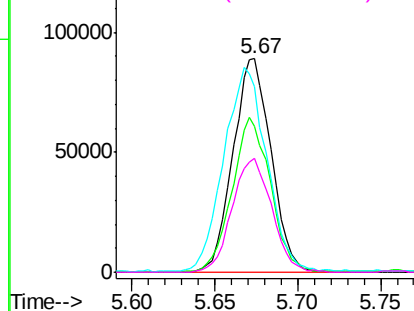


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

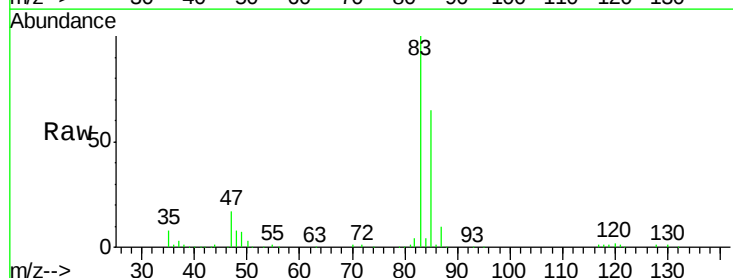
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



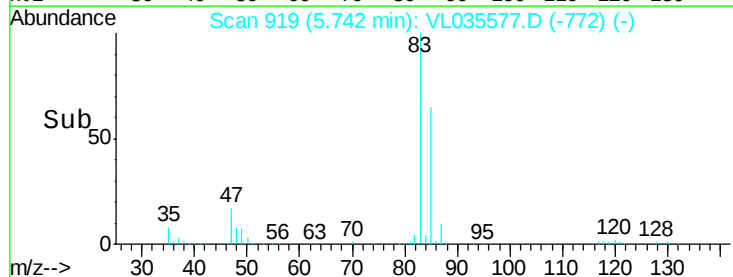
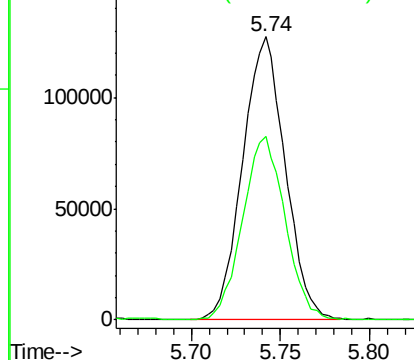
#29
Chloroform
Concen: 0.889 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.03 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

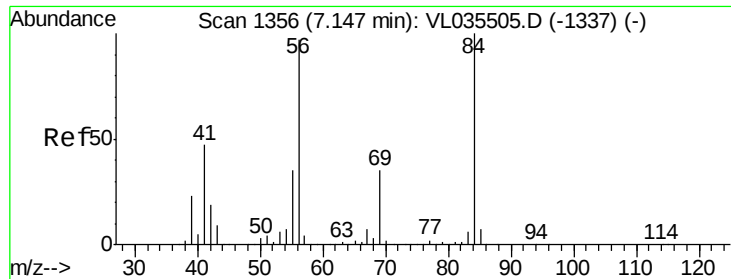
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		212866		
85	64.9		53.9	80.9	



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





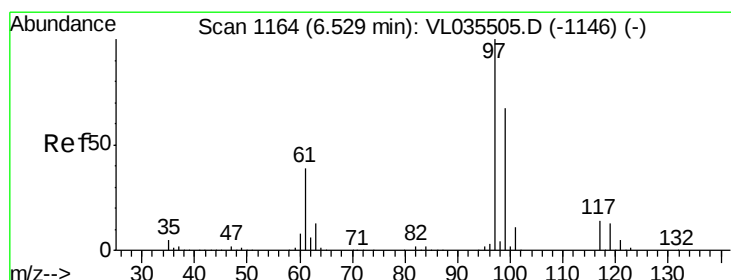
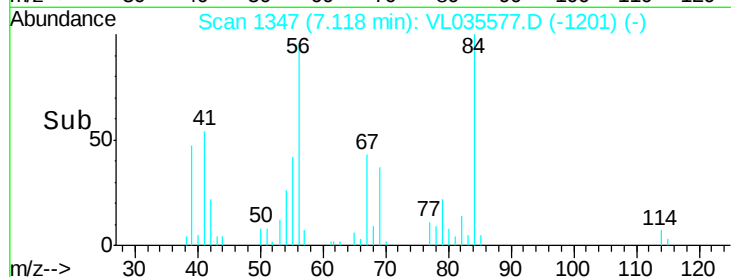
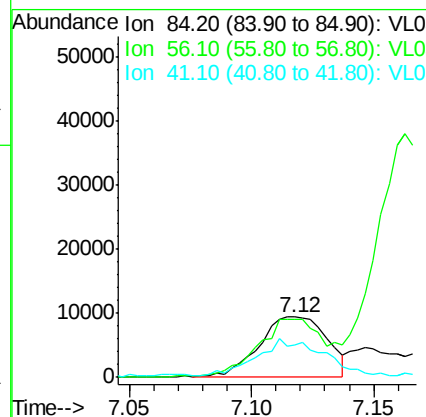
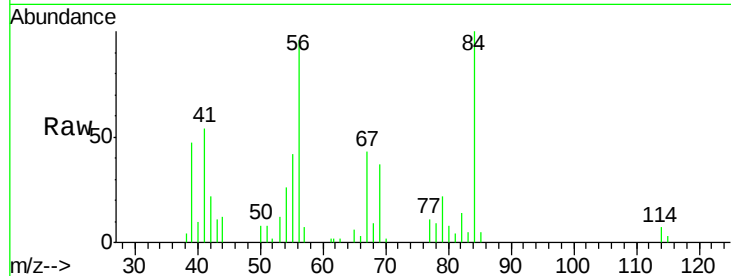
#30
Cvclohexane
Concen: 0.144 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.03 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

Instrument :
MSVOA_L
ClientSampled :
SS-8

Tot Ion	Ratio	Lower	Upper
84	100		
56	93.5	80.1	120.1
41	71.1	38.1	57.1#

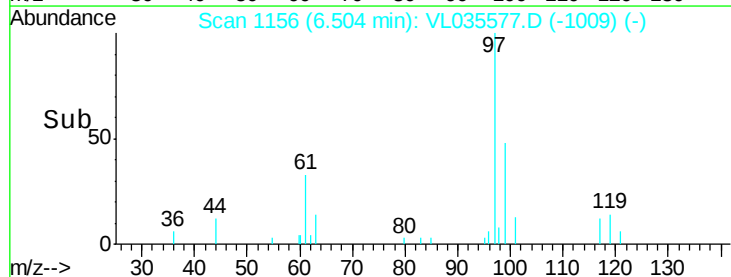
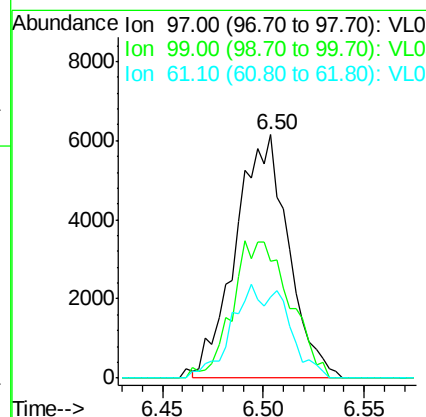
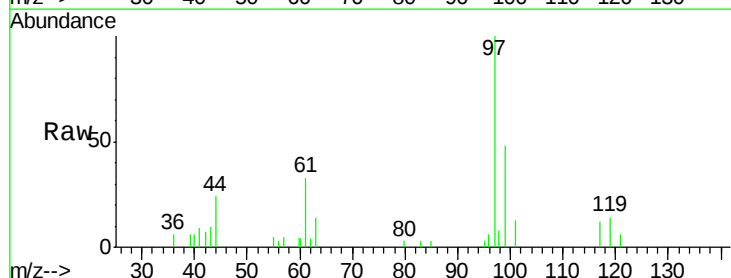
Manual Integrations
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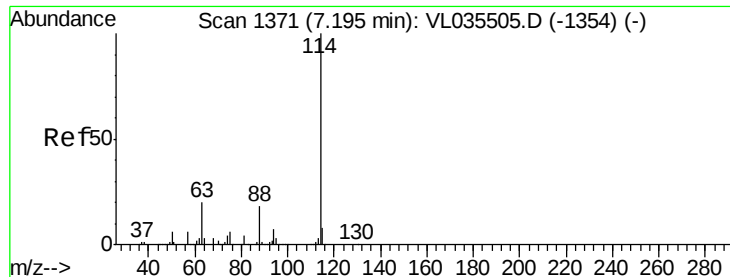
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 0.048 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.03 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.2	53.3	79.9
61	40.5	30.6	46.0





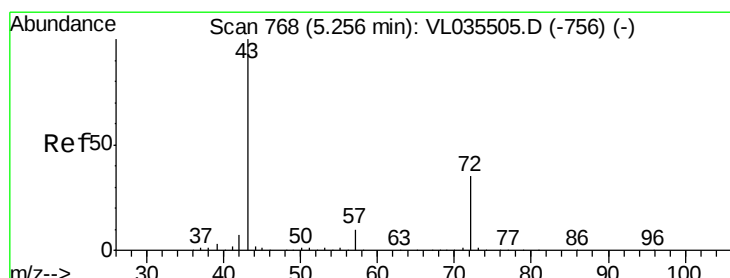
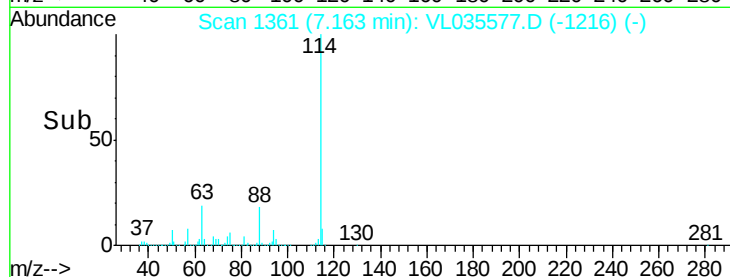
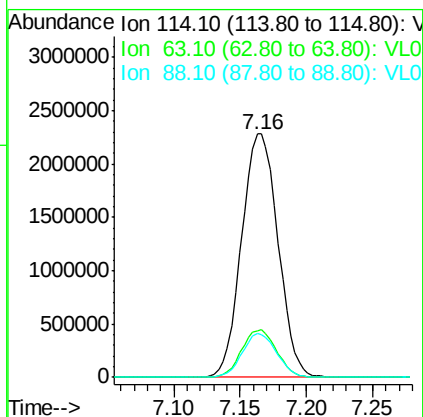
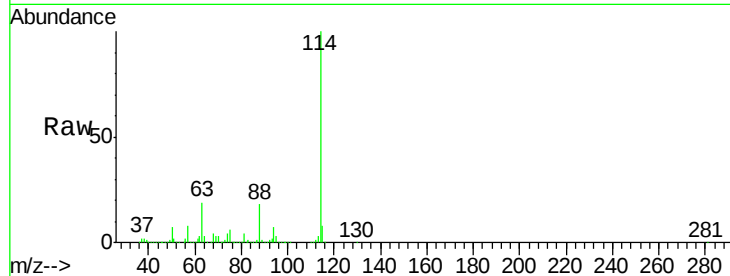
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.03 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

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

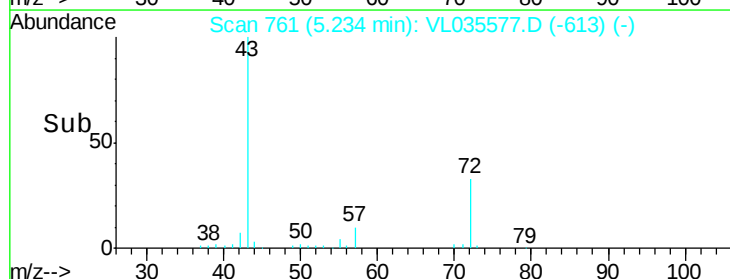
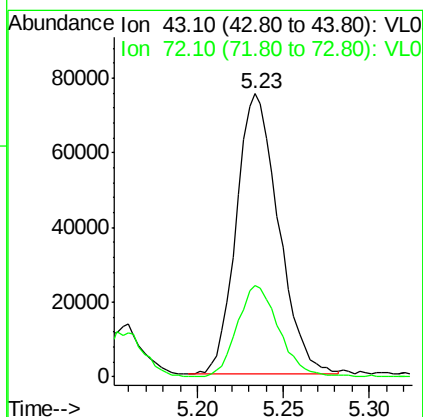
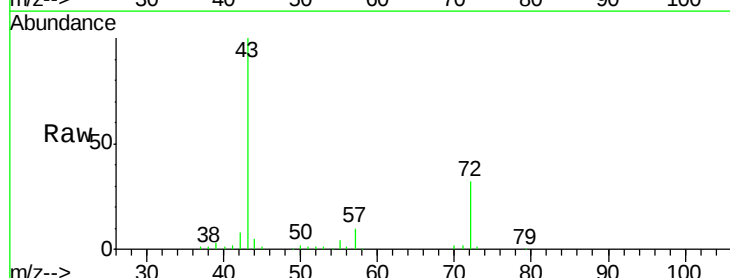
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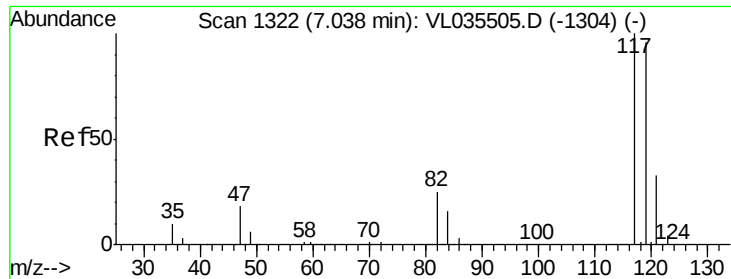
MMDadoda
 9/10/2020 10:45:51 AM



#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

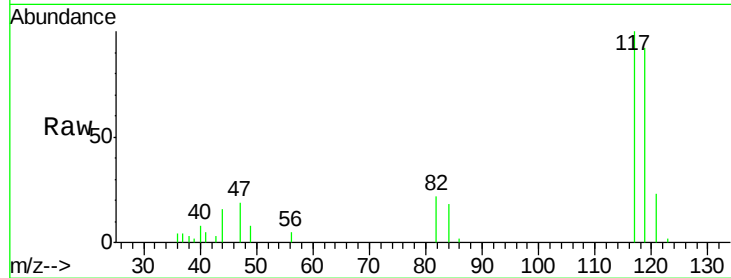
Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

ClientSampled :

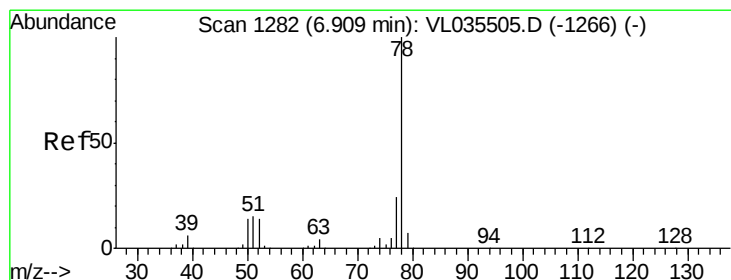
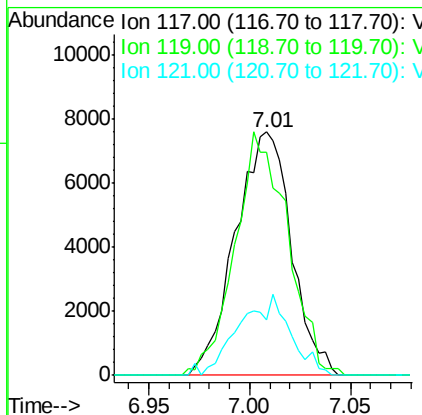
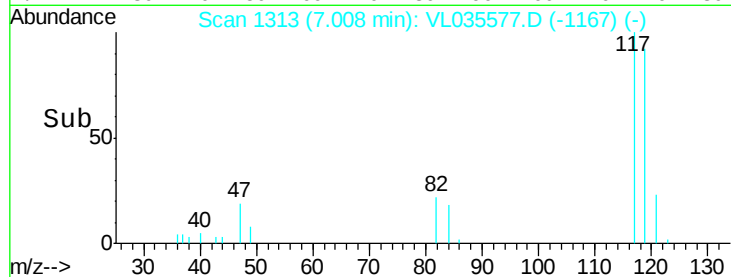
SS-8



Tot Ion	Ratio	Lower	Upper
117	100		
119	89.2	77.2	115.8
121	22.8	26.1	39.1#

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#36

Benzene

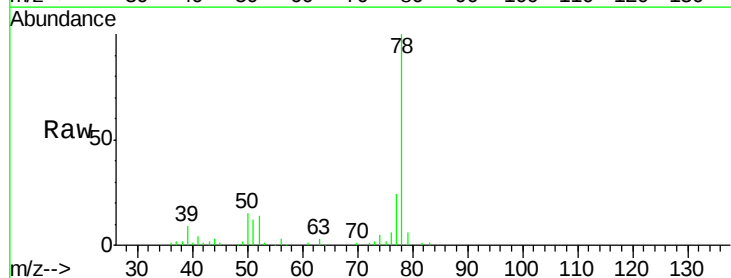
Concen: 0.255 ppbv

RT: 6.88 min Scan# 1273

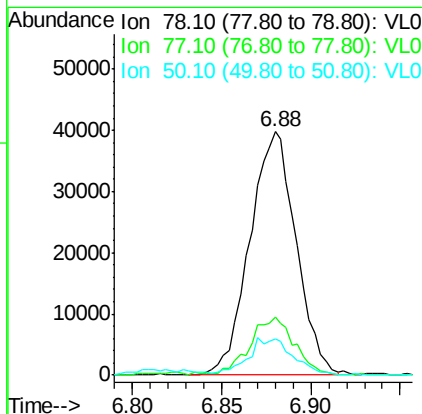
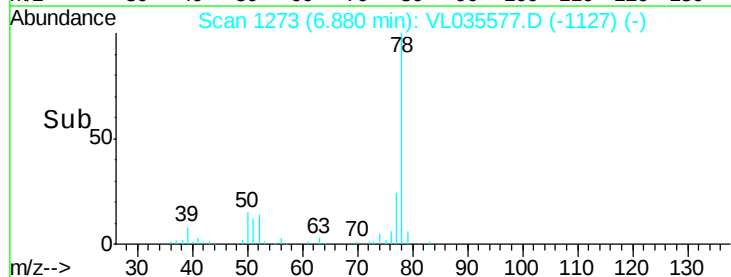
Delta R.T. -0.03 min

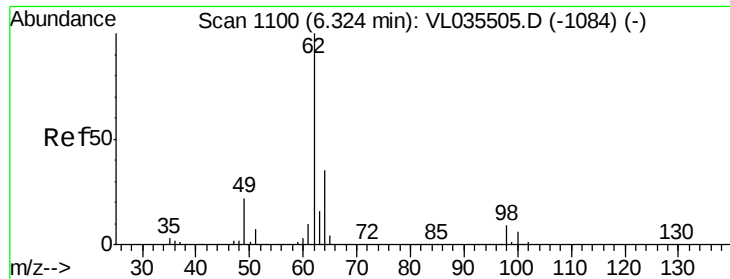
Lab File: VL035577.D

Acq: 9 Sep 2020 7:51



Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9
50	14.8	11.0	16.6





#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

ClientSampled :

SS-8

Tot Ion: 62 Resp: 17782

Ion Ratio Lower Upper

62 100

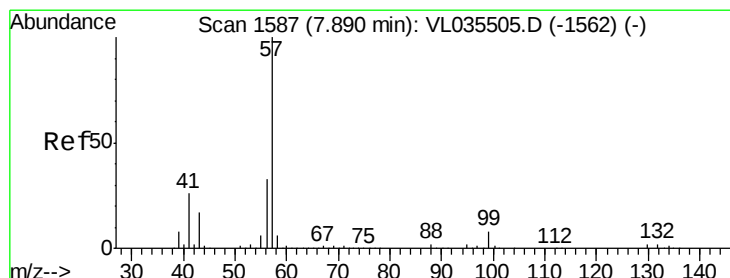
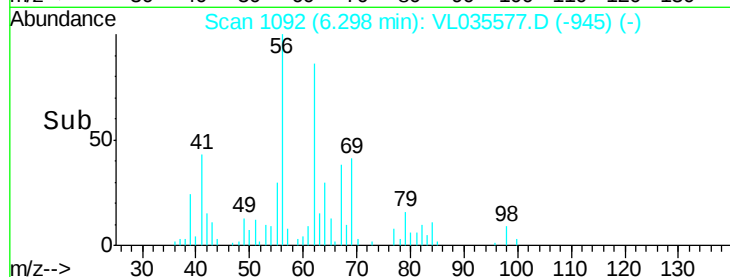
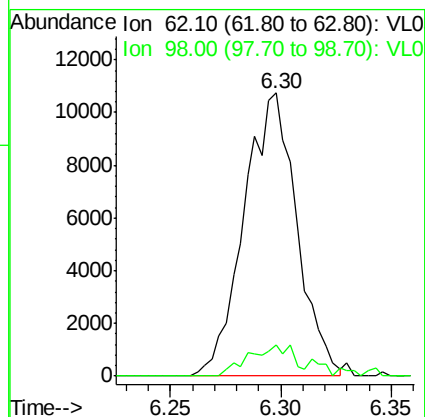
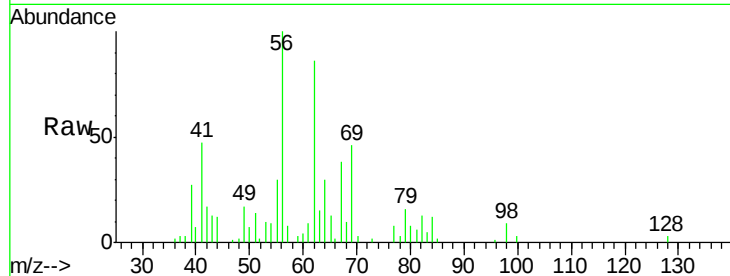
98 12.2 7.4 11.0#

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#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

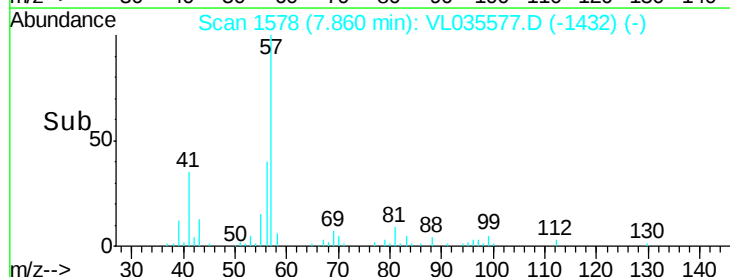
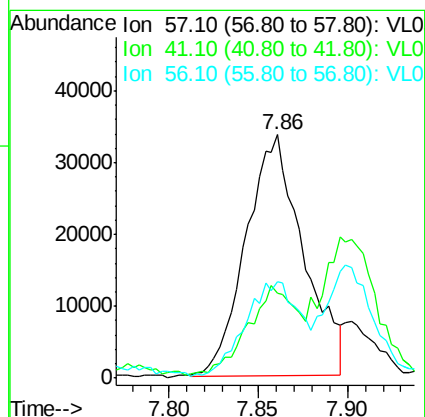
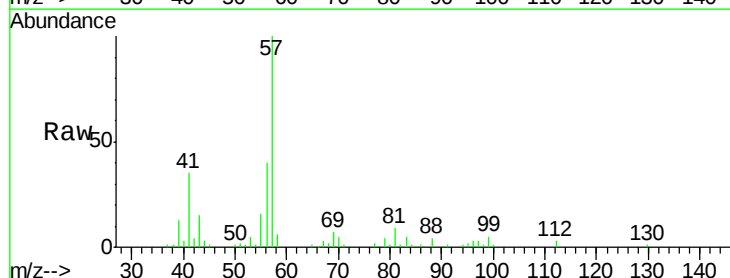
Tgt Ion: 57 Resp: 75768

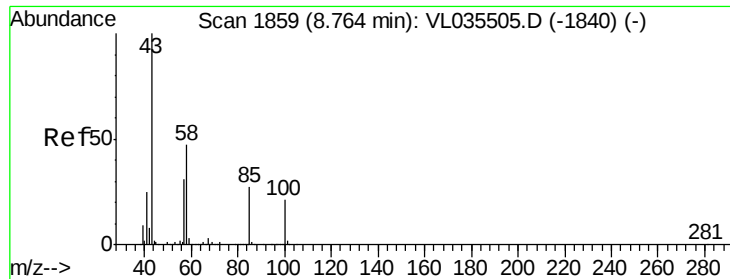
Ion Ratio Lower Upper

57 100

41 33.9 20.5 30.7#

56 36.6 25.3 37.9





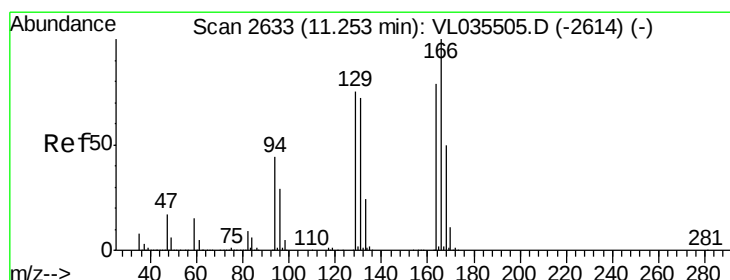
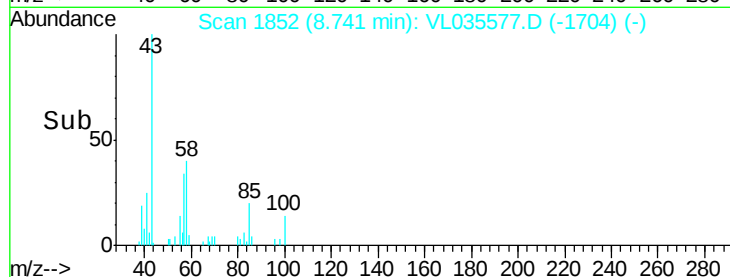
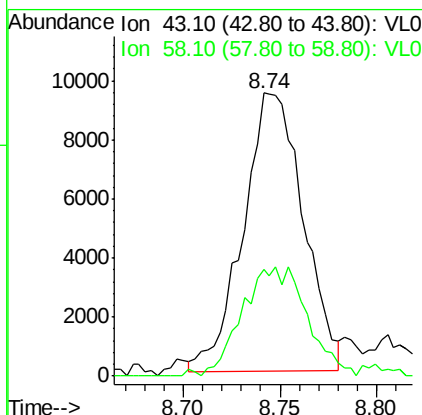
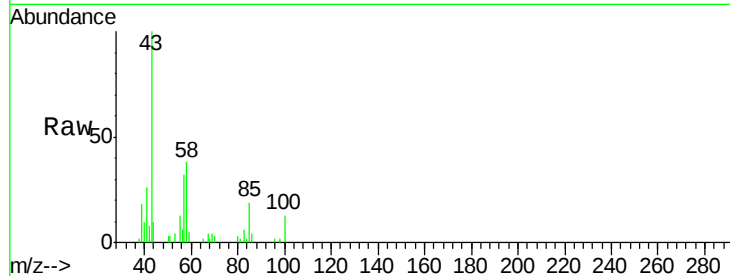
#50
4-Methyl-2-Pentanone
Concen: 0.109 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.02 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

Instrument :
MSVOA_L
ClientSampled :
SS-8

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

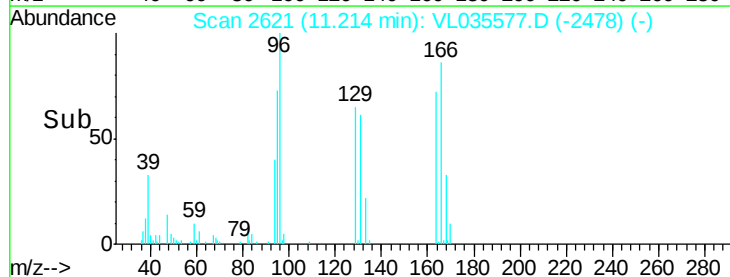
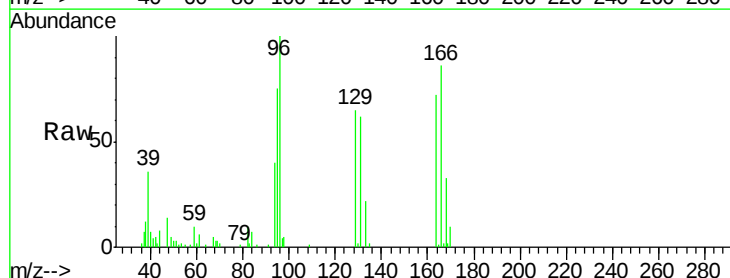
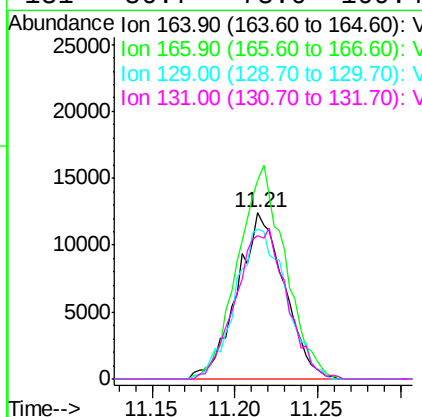
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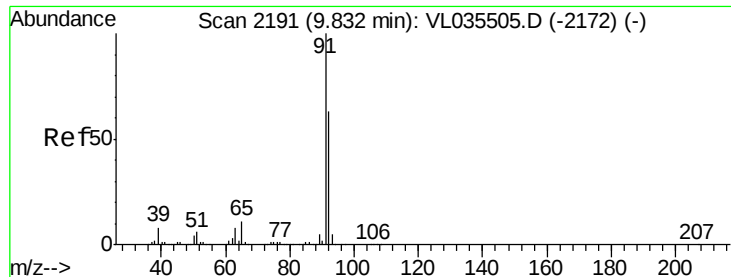
MMDadoda
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#52
Tetrachloroethene
Concen: 0.149 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.04 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

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

ClientSampled :

SS-8

Tot Ion: 91 Resp: 632887

Ion Ratio Lower Upper

91 100

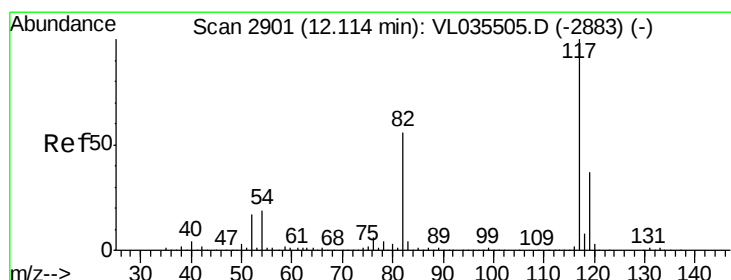
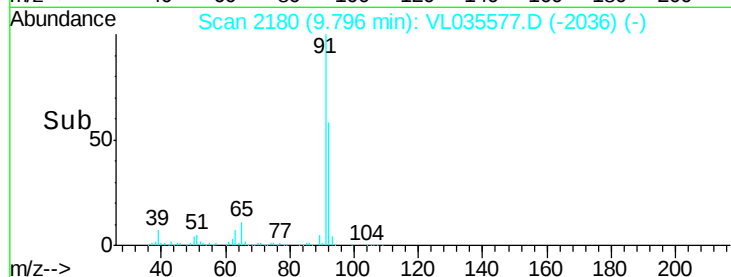
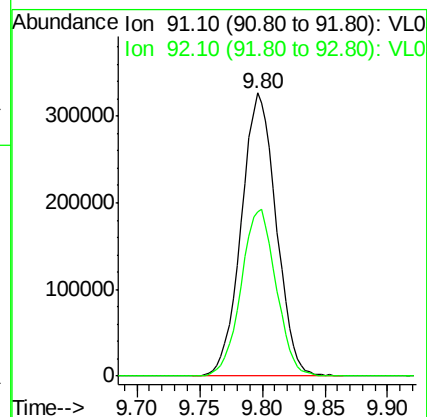
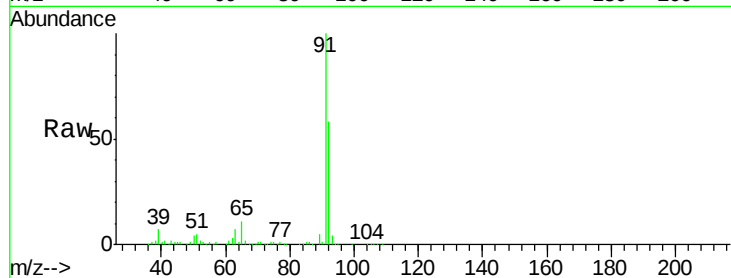
92 59.2 49.8 74.8

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#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

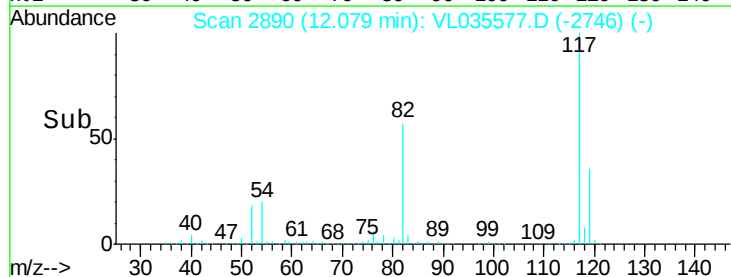
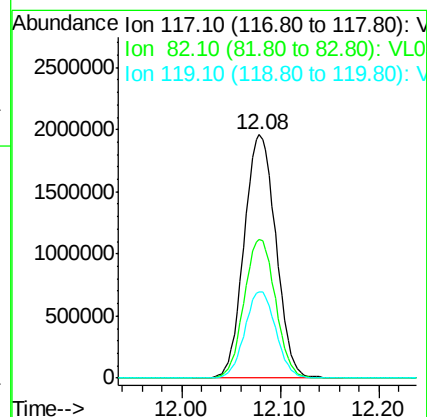
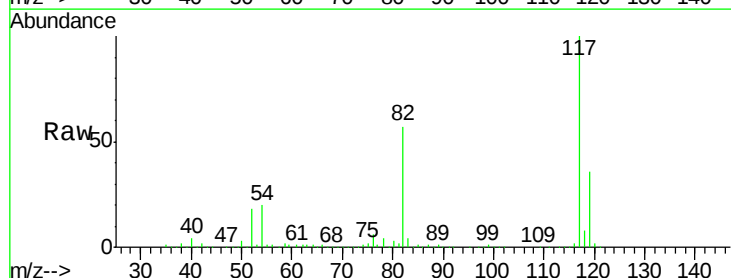
Tgt Ion: 117 Resp: 4362795

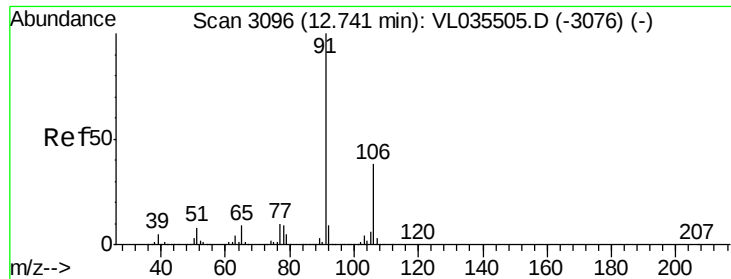
Ion Ratio Lower Upper

117 100

82 56.3 41.6 62.4

119 34.7 29.3 43.9





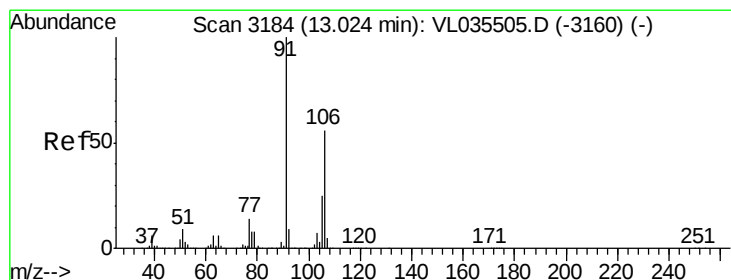
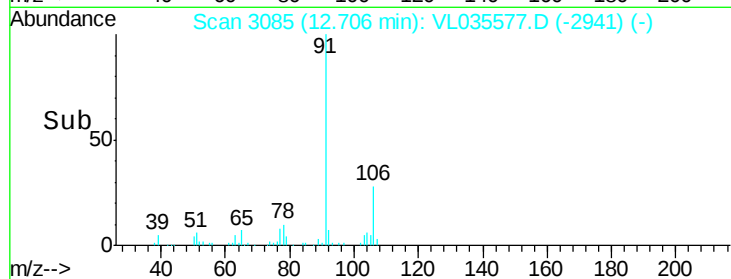
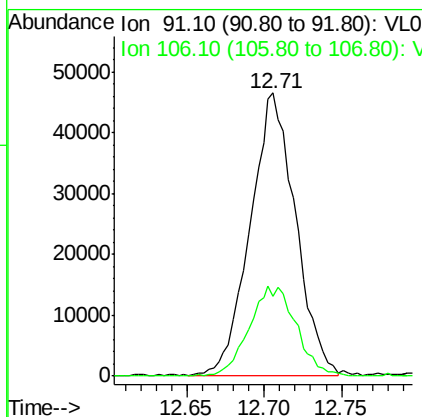
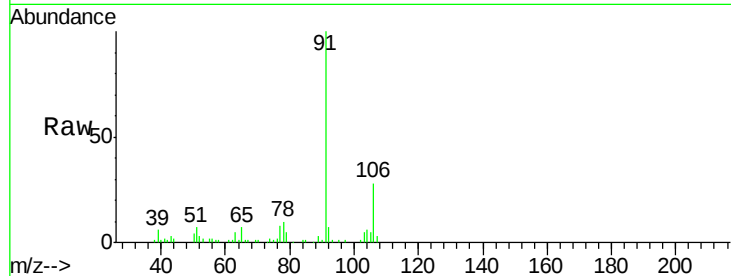
#58
Ethyl Benzene
Concen: 0.211 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. -0.04 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

Instrument :
MSVOA_L
ClientSampled :
SS-8

Tot Ion: 91 Resp: 94930
Ion Ratio Lower Upper
91 100
106 28.3 30.3 45.5#

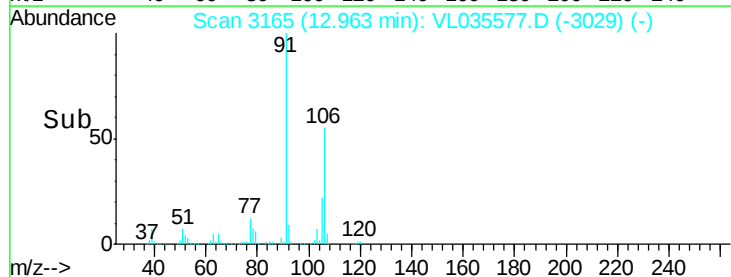
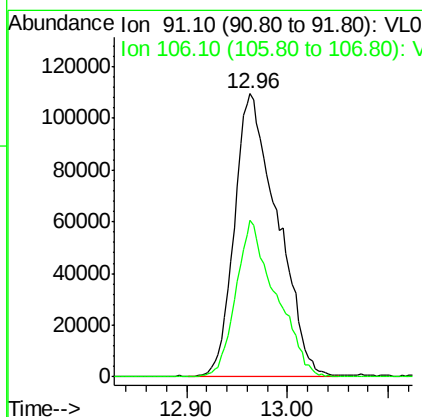
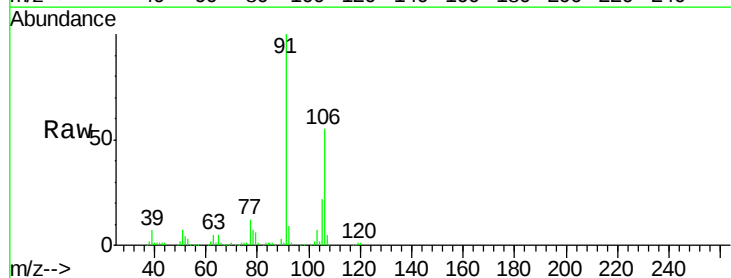
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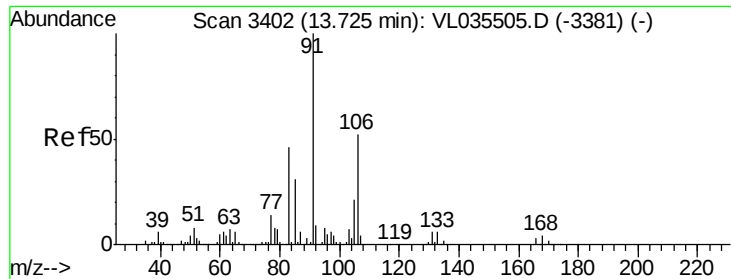
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#59
m/p-Xylene
Concen: 0.861 ppbv
RT: 12.96 min Scan# 3165
Delta R.T. -0.06 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

Tgt Ion: 91 Resp: 323721
Ion Ratio Lower Upper
91 100
106 51.6 43.4 65.2





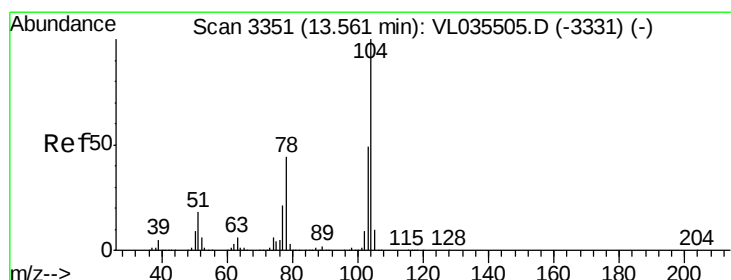
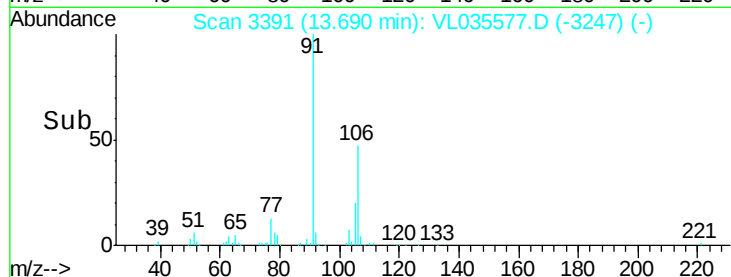
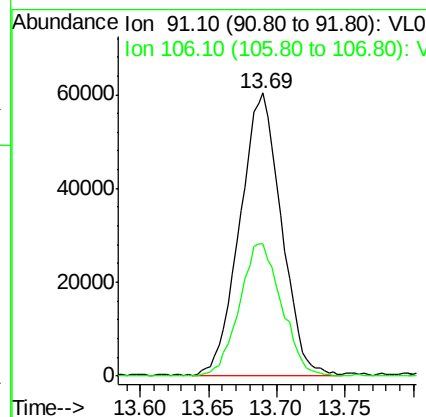
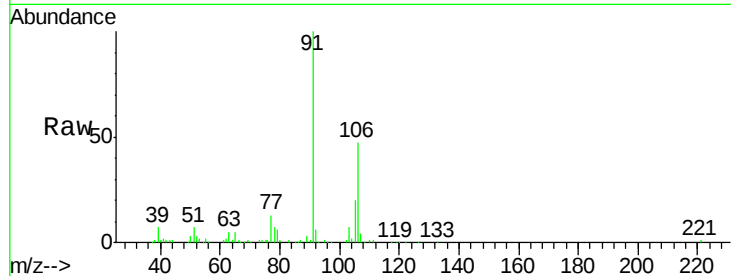
#60
o-Xylene
Concen: 0.335 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.04 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

Instrument :
MSVOA_L
ClientSampled :
SS-8

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

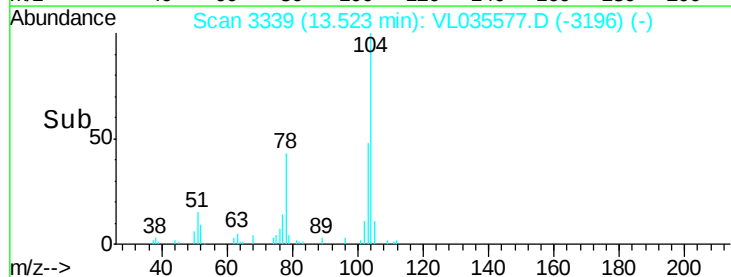
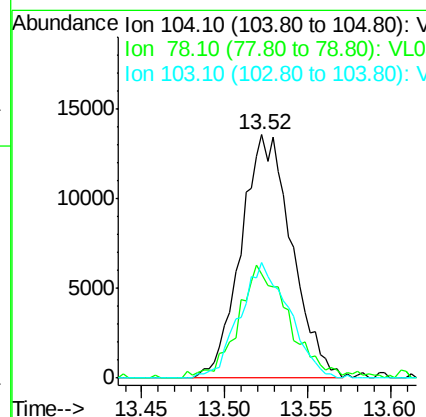
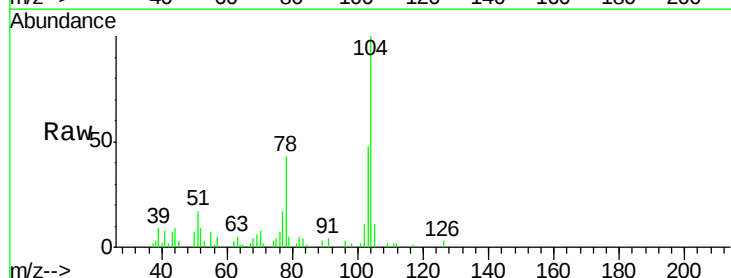
Manual Integrations
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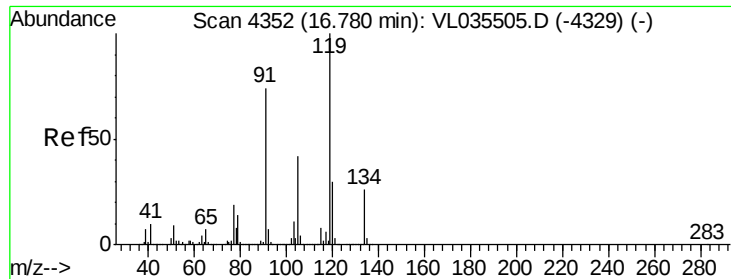
MMDadoda
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#61
Styrene
Concen: 0.100 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. -0.04 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

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





#65

tert-Butylbenzene

Concen: 0.128 ppbv m

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Instrument :

MSVOA_L

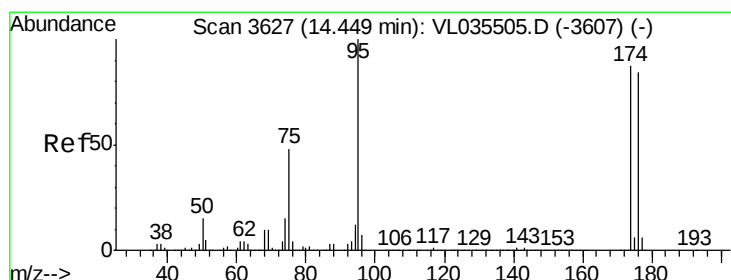
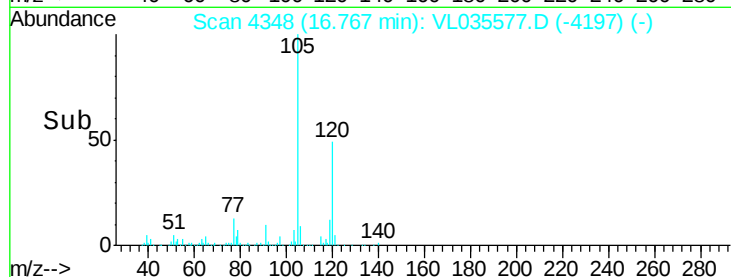
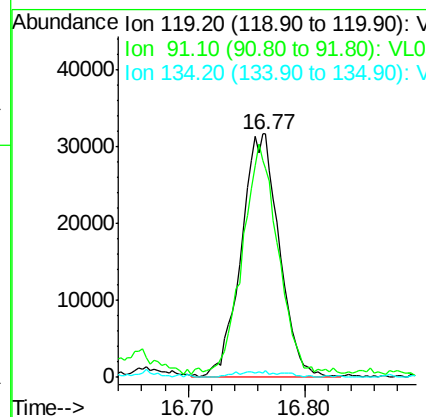
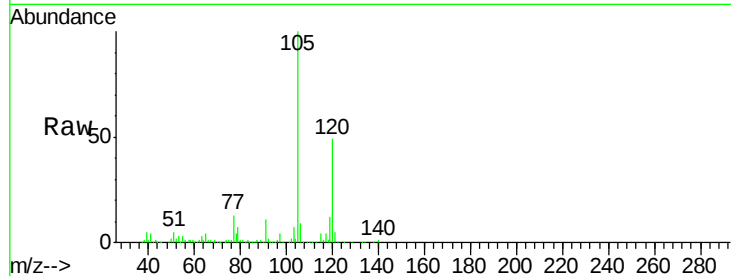
ClientSampleId :

SS-8

Tot Ion:	119	Resp:	72349
Ion Ratio	Lower	Upper	
119	100		
91	0.0	58.6	87.8#
134	0.0	18.9	28.3#

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.618 ppbv

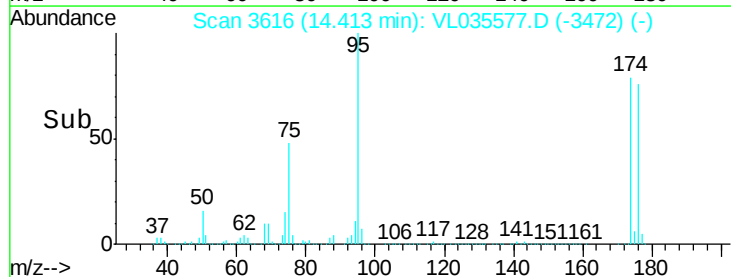
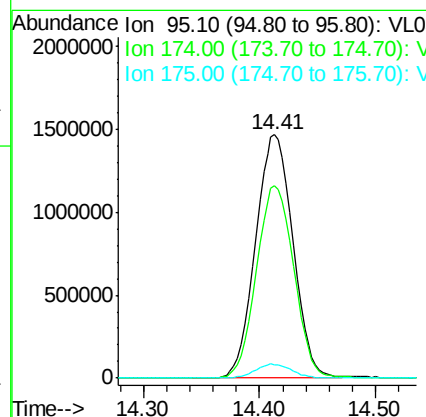
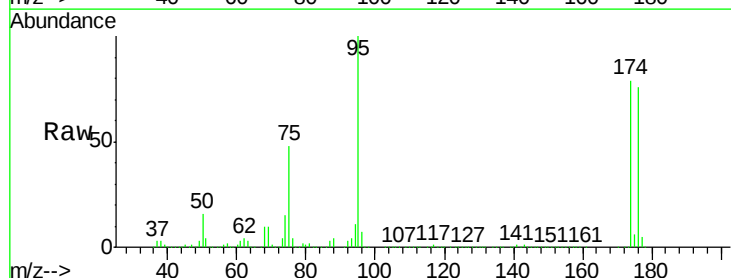
RT: 14.41 min Scan# 3616

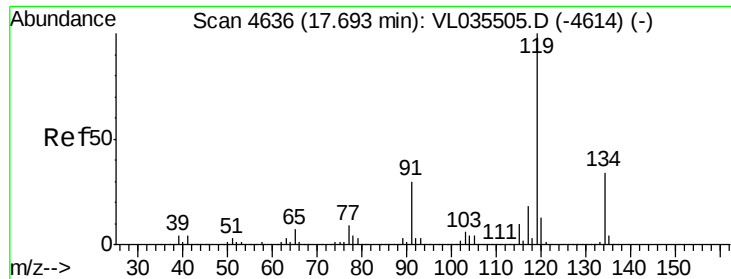
Delta R.T. -0.04 min

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





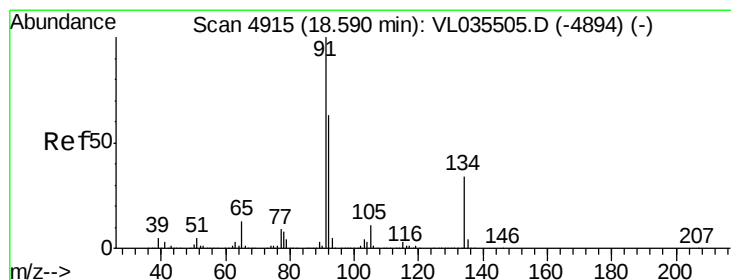
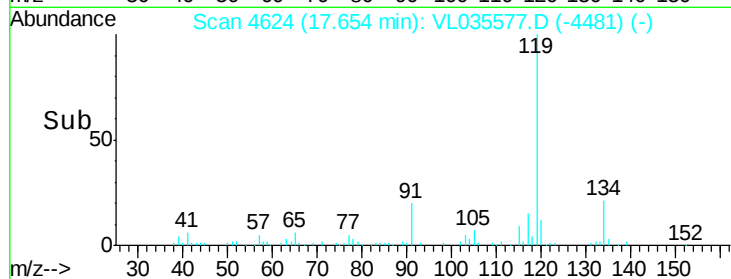
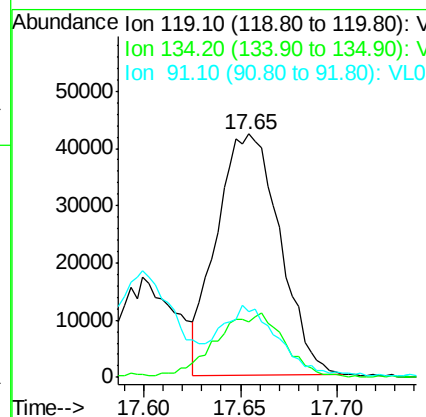
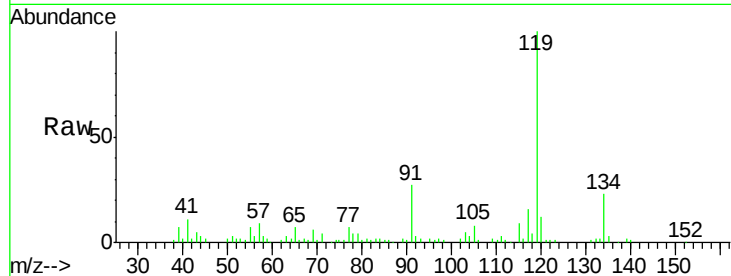
#69
 p-Isopropyltoluene
 Concen: 0.144 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.04 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

Instrument :
 MSVOA_L
 ClientSampled :
 SS-8

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

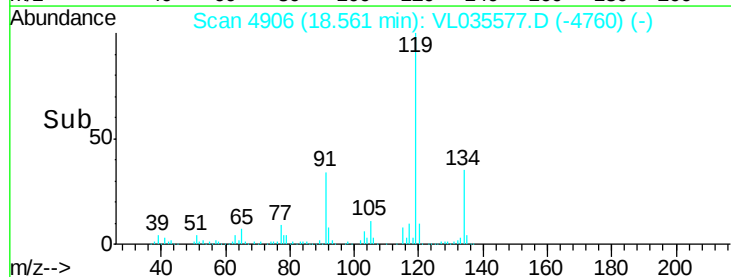
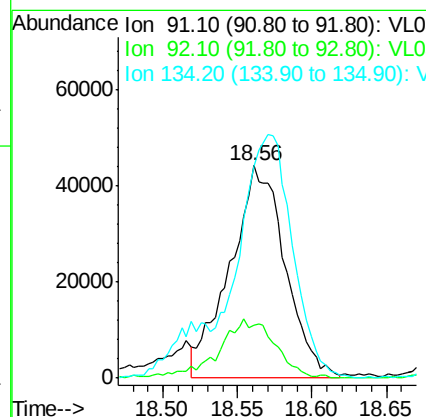
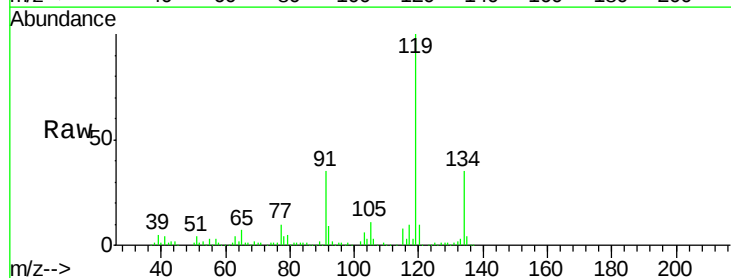
Manual Integrations
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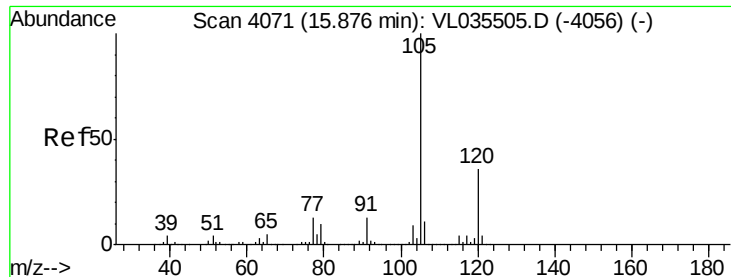
MMDadoda
 9/10/2020 10:45:51 AM



#70
 n-Butylbenzene
 Concen: 0.178 ppbv m
 RT: 18.56 min Scan# 4906
 Delta R.T. -0.03 min
 Lab File: VL035577.D
 Acq: 9 Sep 2020 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	113201		
92	0.0		47.3	70.9#
134	0.0		24.6	37.0#





#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

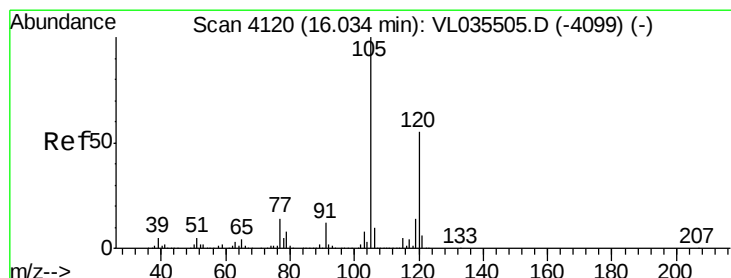
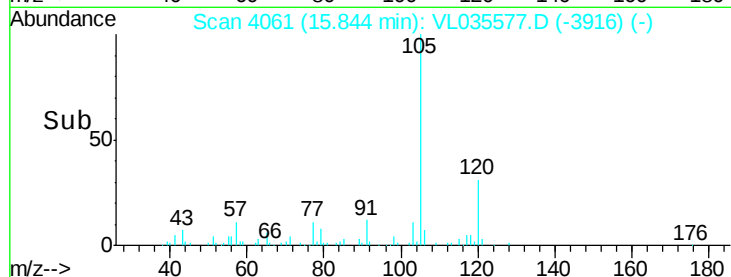
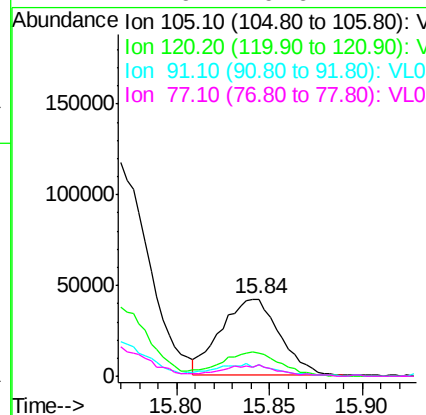
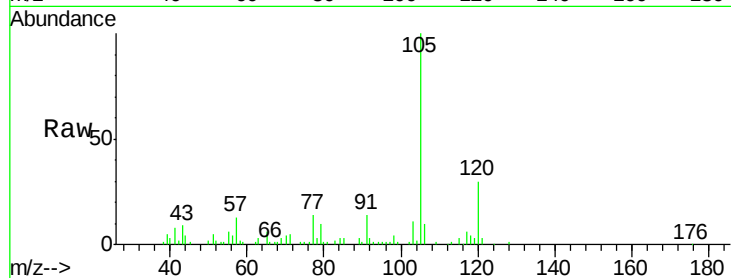
ClientSampled :

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#

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#73

1,3,5-Trimethylbenzene

Concen: 0.419 ppbv

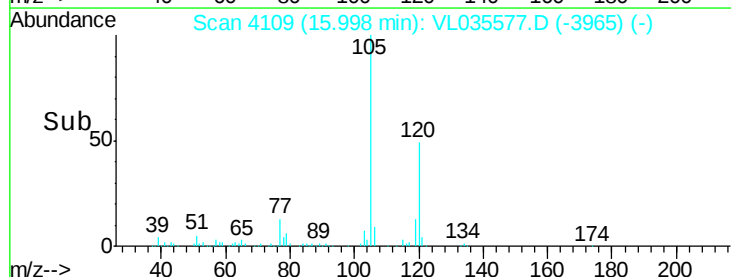
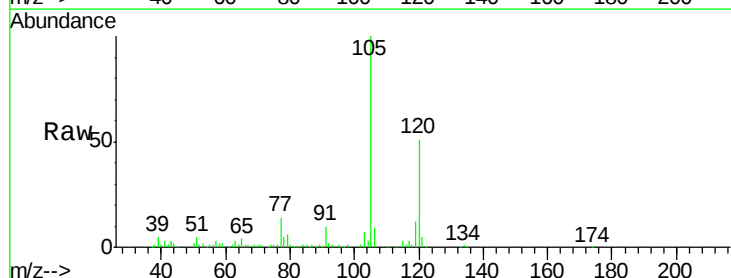
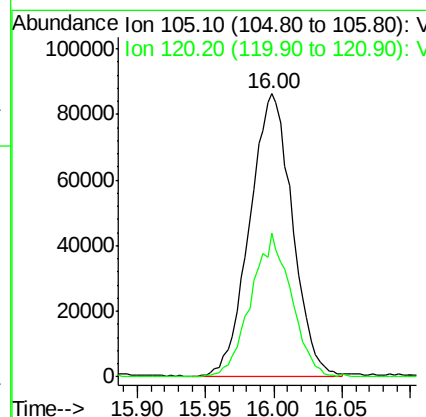
RT: 16.00 min Scan# 4109

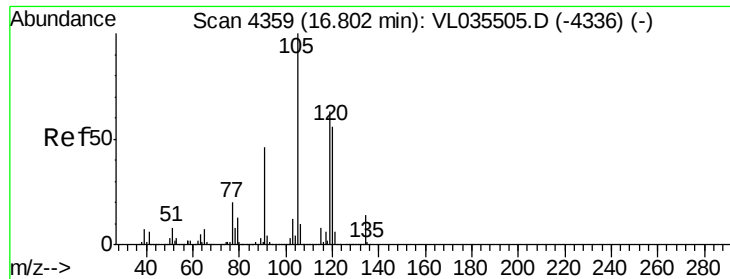
Delta R.T. -0.04 min

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





#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

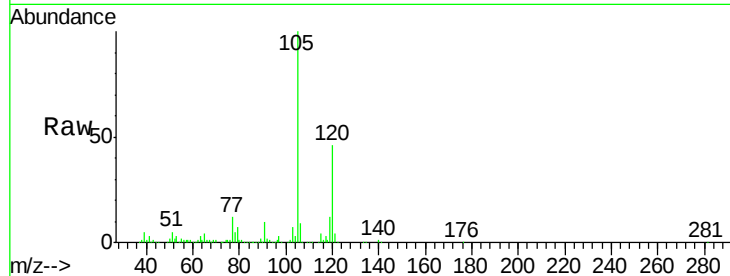
ClientSampled :

SS-8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	581454		
120	120	45.5		44.4	66.6
91	91	10.2		37.1	55.7#
77	77	11.8		16.0	24.0#

Manual Integrations
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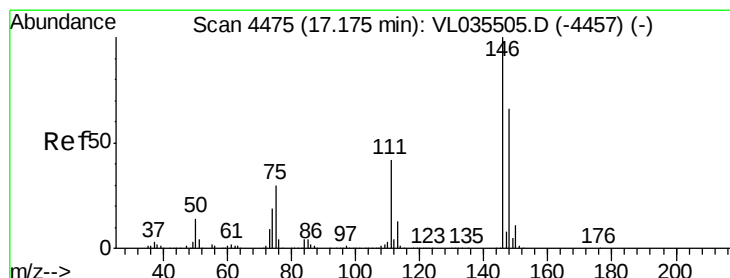
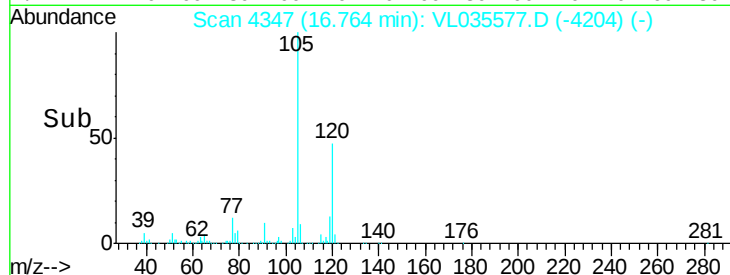
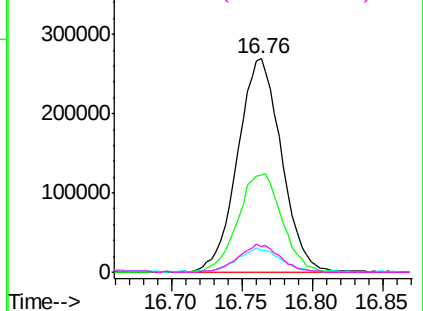
Abundance

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



#76

1,4-Dichlorobenzene

Concen: 0.398 ppbv

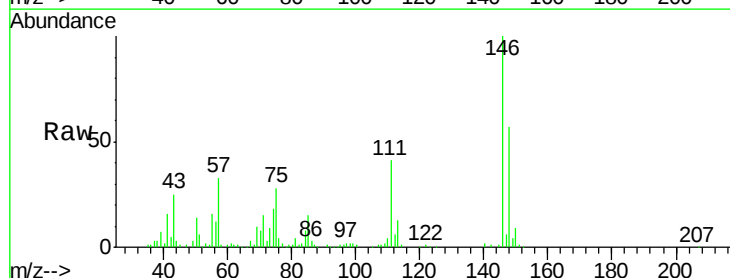
RT: 17.13 min Scan# 4462

Delta R.T. -0.04 min

Lab File: VL035577.D

Acq: 9 Sep 2020 7:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	146	100	142328		
111	111	42.9		20.0	60.0
148	148	63.6		33.2	99.6

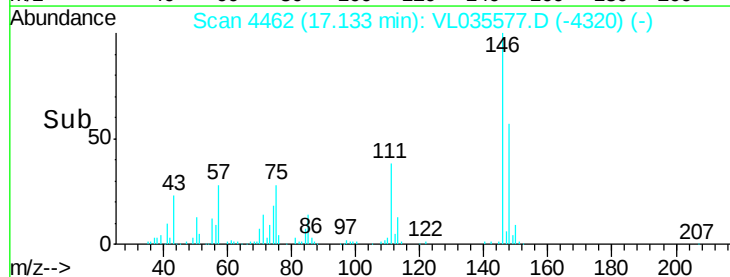
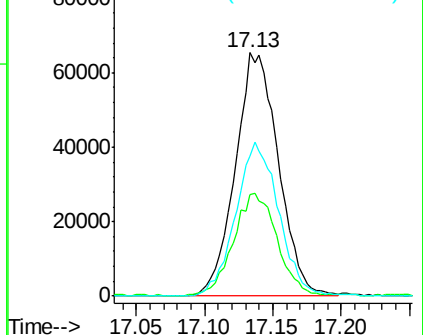


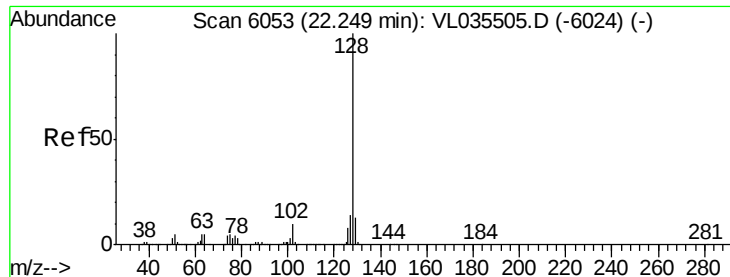
Abundance

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





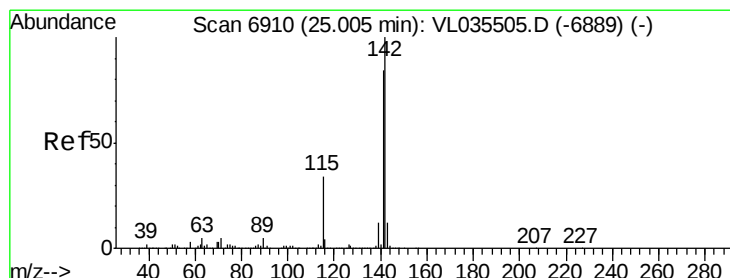
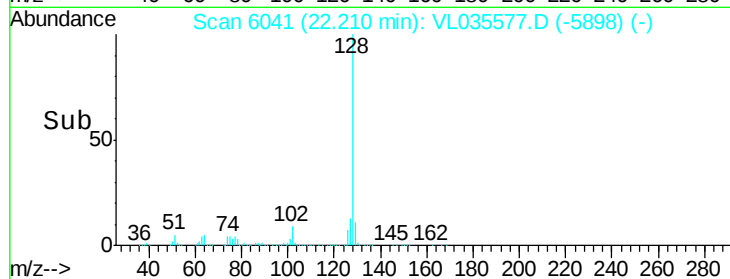
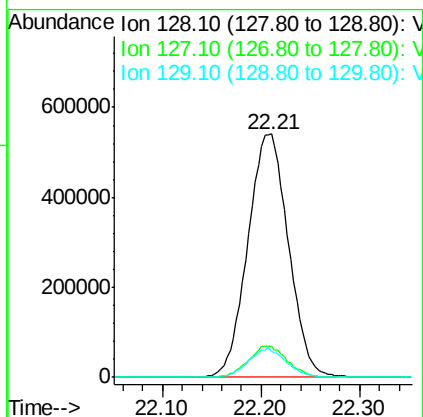
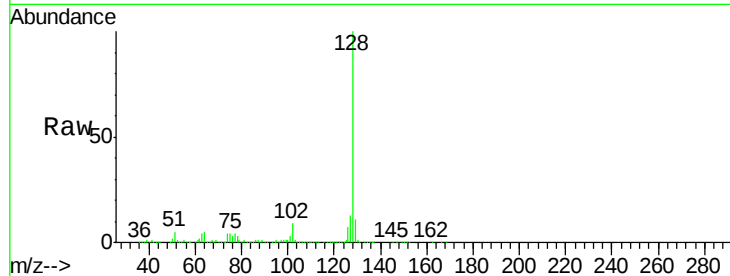
#79
Naphthalene
Concen: 2.838 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. -0.04 min
Lab File: VL035577.D
Acq: 9 Sep 2020 7:51

Instrument :
MSVOA_L
ClientSampleId :
SS-8

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.4	17.2
129	10.6	10.5	15.7

Manual Integrations
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#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

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

