

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035478.D
 Acq On : 20 Aug 2020 17:09
 Operator : SY/AP
 Sample : L3743-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-3

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 11:24:25 AM

Quant Time: Aug 21 09:42:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1105018	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5195978	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5133612	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3700172	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	63598	0.311	ppbv	94
4) Chloromethane	3.14	50	61178	0.848	ppbv	97
9) Propene	3.01	41	1519027	27.276	ppbv #	77
10) Heptane	8.13	43	254252	1.741	ppbv #	78
11) Trichlorofluoromethane	3.95	101	171079	0.532	ppbv	98
13) Ethanol	3.64	45	14476823	709.525	ppbv	88
15) Acetone	3.84	43	5067262	39.841	ppbv #	72
17) tert-Butyl alcohol	4.35	59	392891m	2.390	ppbv	
20) Methylene Chloride	4.35	84	2320210	22.610	ppbv #	66
26) Hexane	5.69	57	1224489	8.767	ppbv #	31
27) Carbon Disulfide	4.55	76	66089	0.327	ppbv	98
29) Chloroform	5.76	83	61462	0.219	ppbv	94
30) Cyclohexane	7.14	84	195931	1.264	ppbv #	56
34) 2-Butanone	5.25	43	1174878	6.768	ppbv #	70
35) Carbon Tetrachloride	7.03	117	19900m	0.072	ppbv	
36) Benzene	6.90	78	711296	1.865	ppbv #	90
38) Trichloroethene	7.85	130	1876927	8.848	ppbv #	83
40) 1,4-Dioxane	7.85	88	14052m	0.205	ppbv	
41) Tetrahydrofuran	6.06	42	378191	3.949	ppbv #	70
44) 2,2,4-Trimethylpentane	7.88	57	722572	1.451	ppbv	89
50) 4-Methyl-2-Pentanone	8.76	43	175807	0.706	ppbv	92
51) 2-Hexanone	10.16	43	147710	0.704	ppbv #	86
52) Tetrachloroethene	11.24	164	1165615	5.011	ppbv #	85
53) Toluene	9.82	91	4996903	10.173	ppbv	97
58) Ethyl Benzene	12.73	91	1254518	2.024	ppbv	94
59) m/p-Xylene	12.99	91	3619930	6.910	ppbv #	82
60) o-Xylene	13.71	91	1399006	2.748	ppbv	89
61) Styrene	13.55	104	267961	0.651	ppbv #	87
62) Isopropylbenzene	14.69	105	152341	0.183	ppbv	96
64) n-propylbenzene	15.59	120	156567	0.609	ppbv	72
65) tert-Butylbenzene	16.79	119	418234	0.516	ppbv #	91
67) sec-Butylbenzene	17.32	105	129277	0.121	ppbv	94
69) p-Isopropyltoluene	17.68	119	201828m	0.213	ppbv	
70) n-Butylbenzene	18.58	91	476667	0.533	ppbv #	30
72) 4-Ethyltoluene	15.86	105	920568	1.378	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.02	105	931532	1.498	ppbv	87
74) 1,2,4-Trimethylbenzene	16.79	105	3356612	4.969	ppbv #	71
79) Naphthalene	22.23	128	1312082	1.379	ppbv	96
80) Naphthalene,2-methyl-	24.99	142	466998	1.188	ppbv	96

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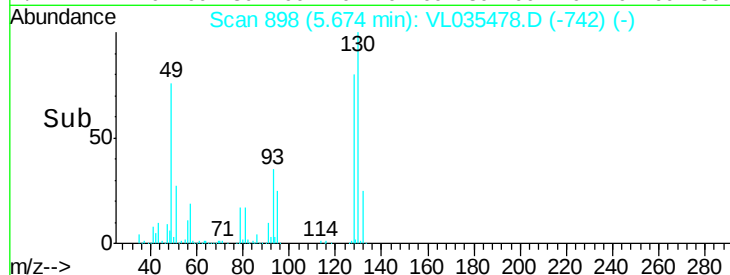
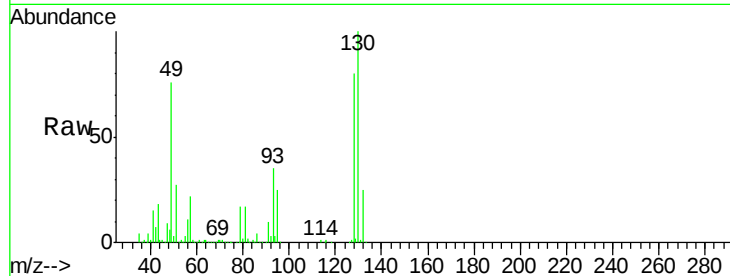
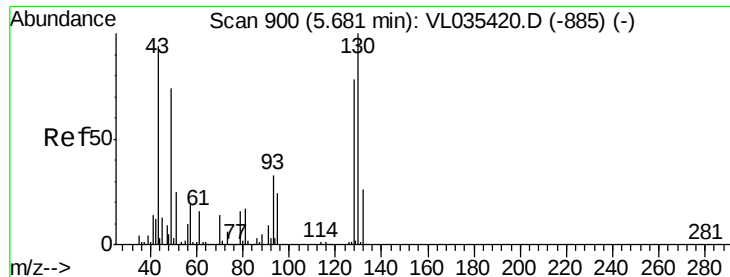
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QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Tot Ion: 49 Resp: 1105018

Ion Ratio Lower Upper

49 100

128 103.3 20.9 62.7#

130 133.1 26.7 80.1#

Instrument :

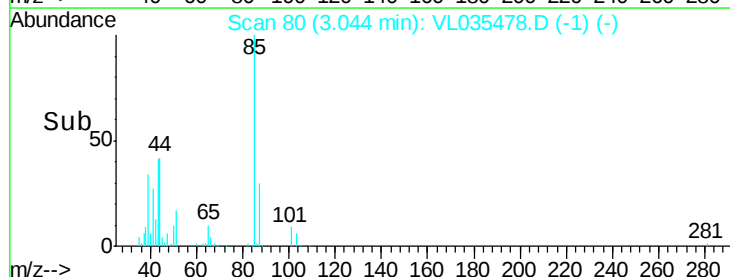
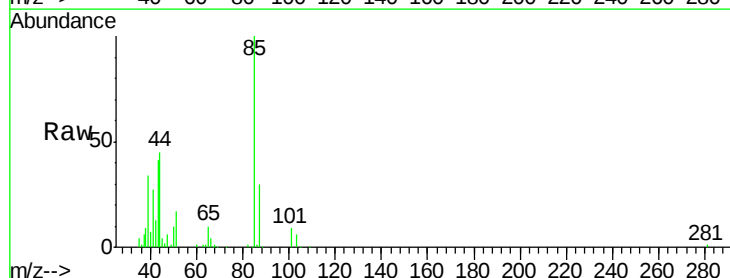
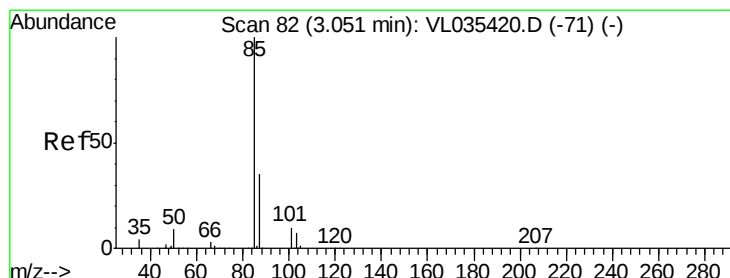
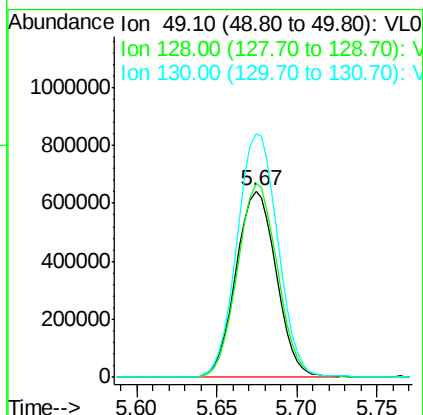
MSVOA_L

ClientSampleId :

SSMP-3

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#2

Dichlorodifluoromethane

Concen: 0.311 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL035478.D

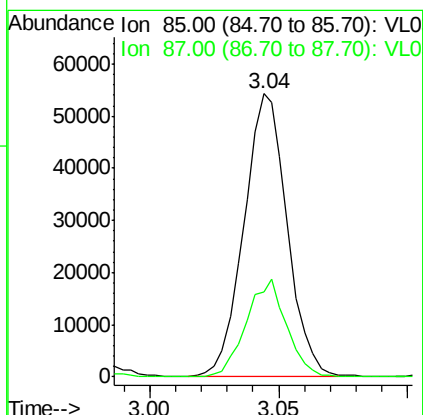
Acq: 20 Aug 2020 17:09

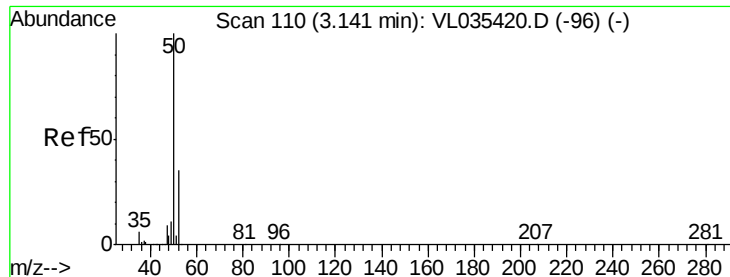
Tgt Ion: 85 Resp: 63598

Ion Ratio Lower Upper

85 100

87 30.2 27.1 40.7





#4

Chloromethane

Concen: 0.848 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

SSMP-3

Tot Ion: 50 Resp: 61178

Ion Ratio Lower Upper

50 100

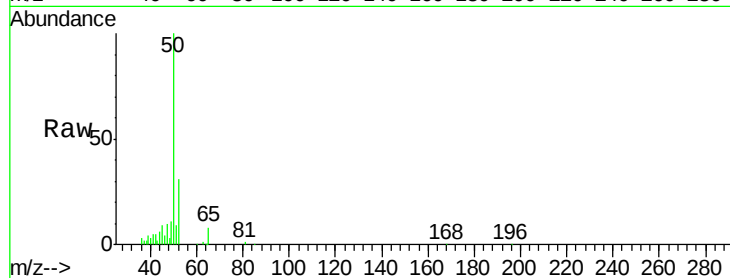
52 31.0 25.9 38.9

Manual Integrations

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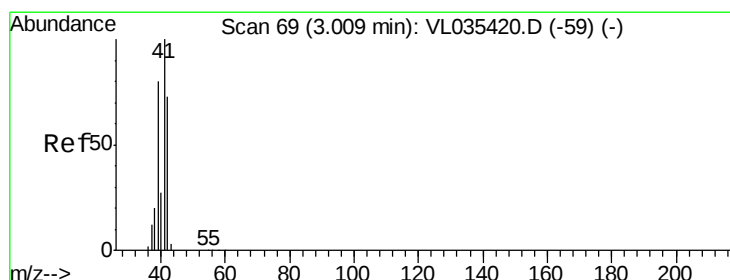
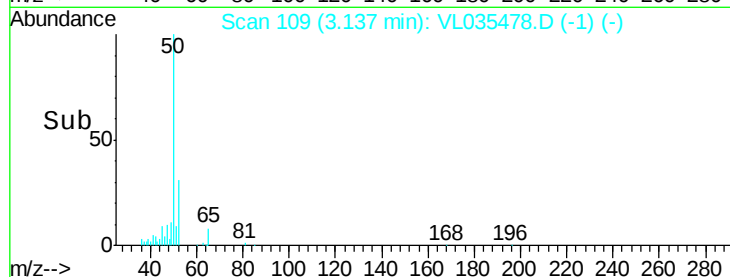
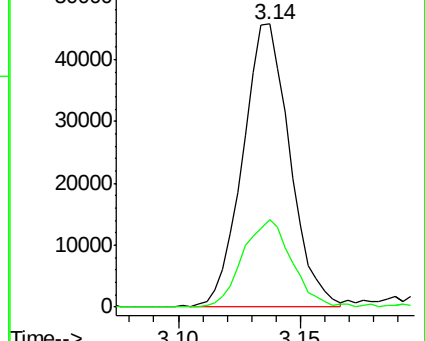
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Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 27.276 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035478.D

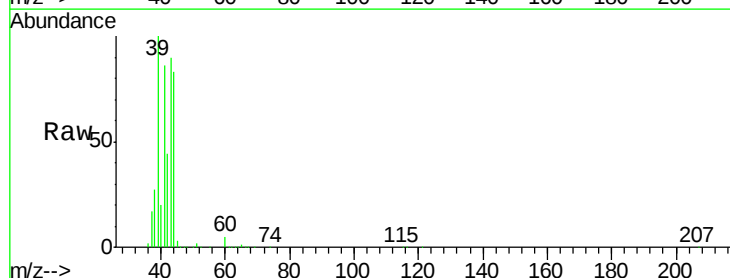
Acq: 20 Aug 2020 17:09

Tgt Ion: 41 Resp: 1519027

Ion Ratio Lower Upper

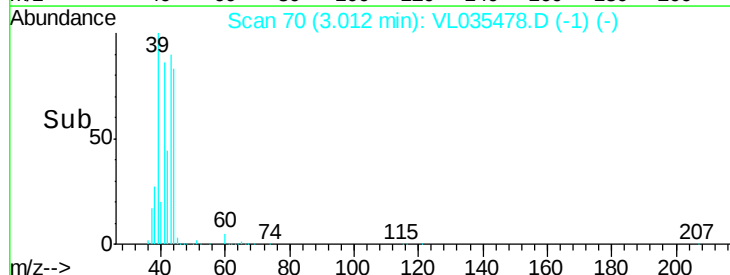
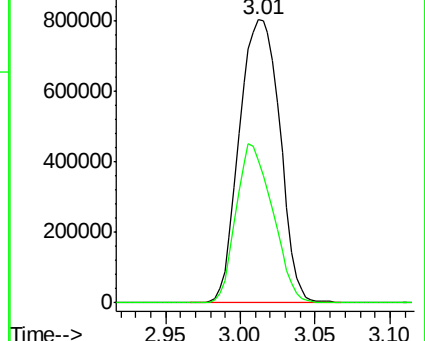
41 100

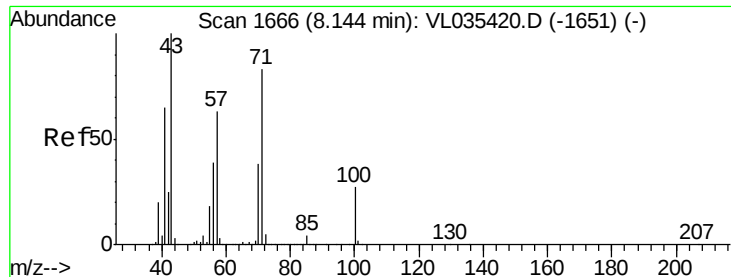
42 50.8 55.5 83.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





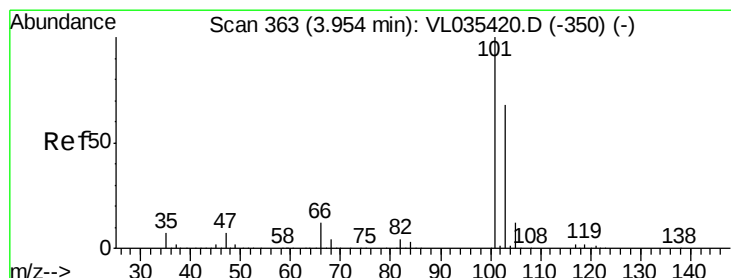
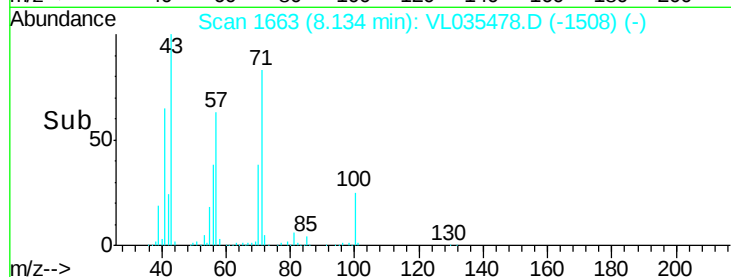
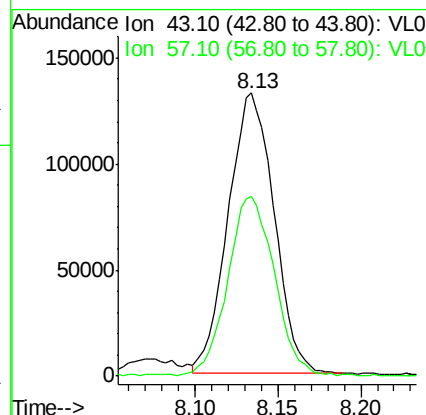
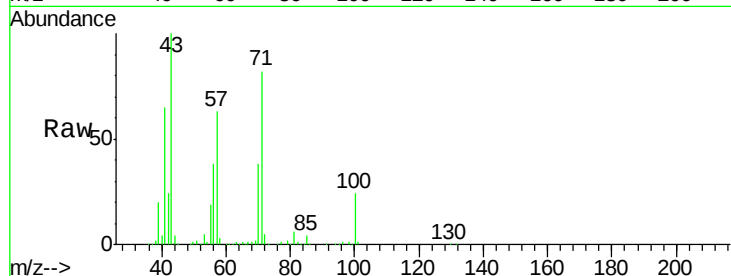
#10
Heptane
Concen: 1.741 ppbv
RT: 8.13 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Instrument :
MSVOA_L
ClientSampleId :
SSMP-3

Tot Ion: 43 Resp: 254252
Ion Ratio Lower Upper
43 100
57 65.1 39.8 59.6#

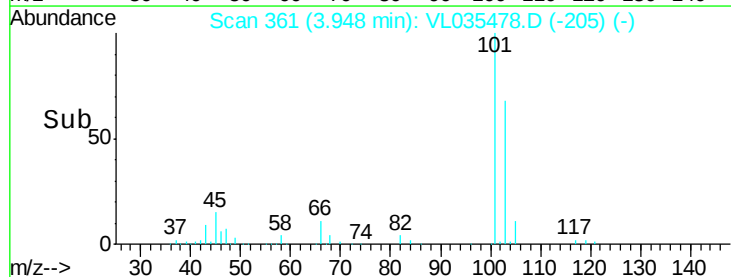
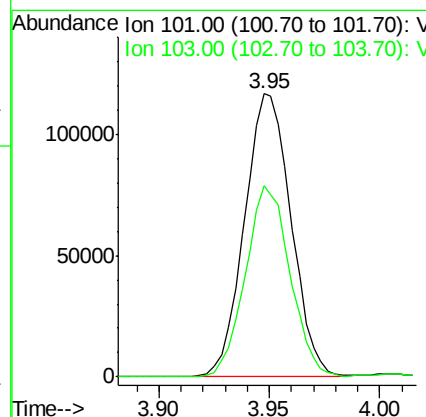
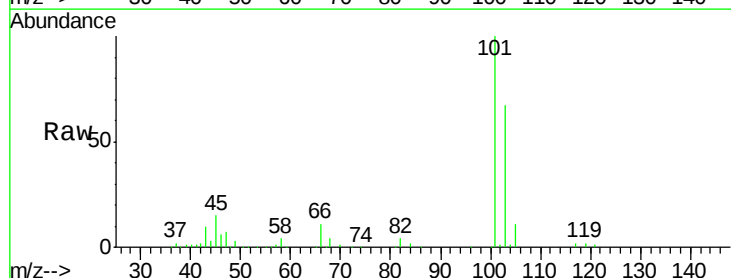
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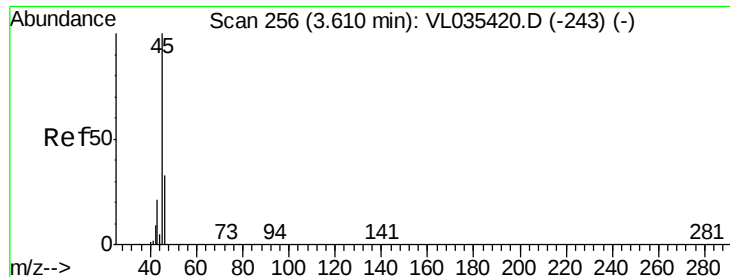
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#11
Trichlorofluoromethane
Concen: 0.532 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Tgt Ion: 101 Resp: 171079
Ion Ratio Lower Upper
101 100
103 67.4 52.6 78.8





#13

Ethanol

Concen: 709.525 ppbv

RT: 3.64 min Scan# 265

Delta R.T. 0.04 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

SSMP-3

Tot Ion: 45 Resp: 14476823

Ion Ratio Lower Upper

45 100

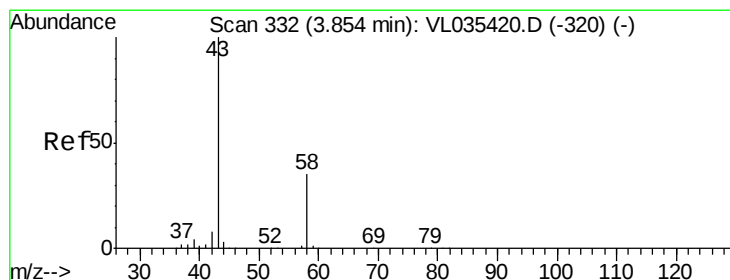
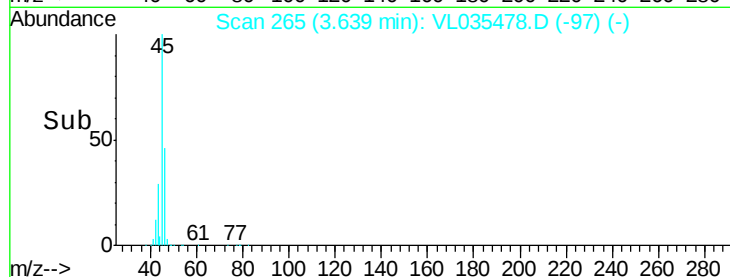
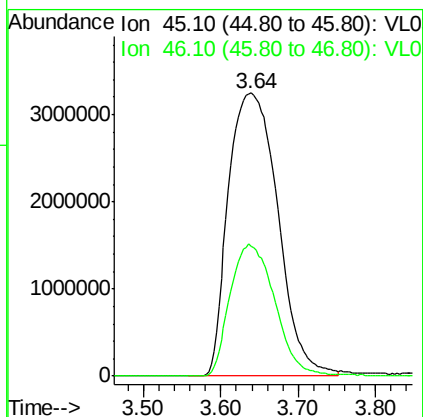
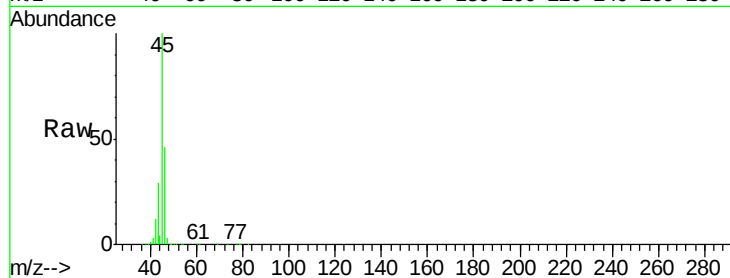
46 42.5 14.2 56.6

Manual Integrations

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#15

Acetone

Concen: 39.841 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035478.D

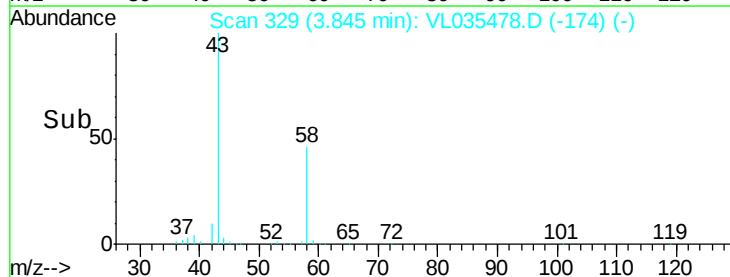
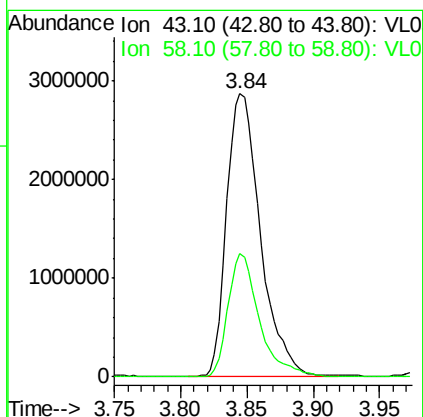
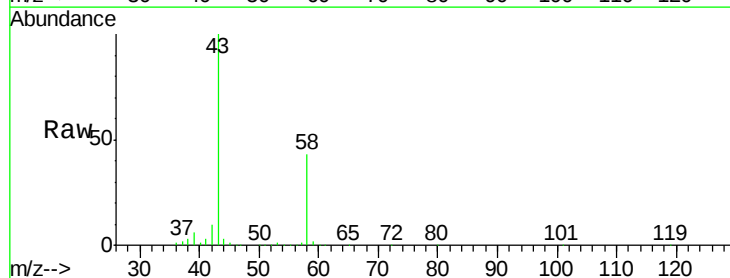
Acq: 20 Aug 2020 17:09

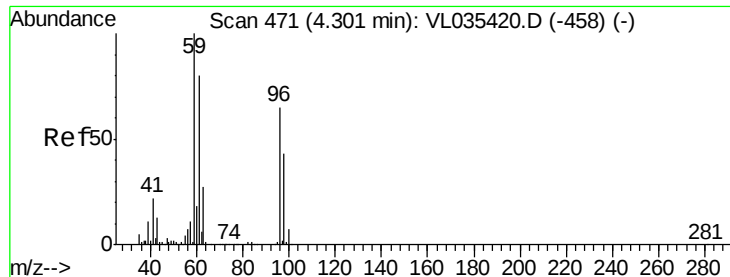
Tgt Ion: 43 Resp: 5067262

Ion Ratio Lower Upper

43 100

58 40.9 21.0 31.6#





#17

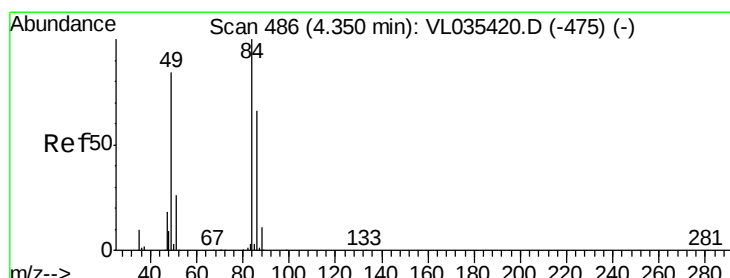
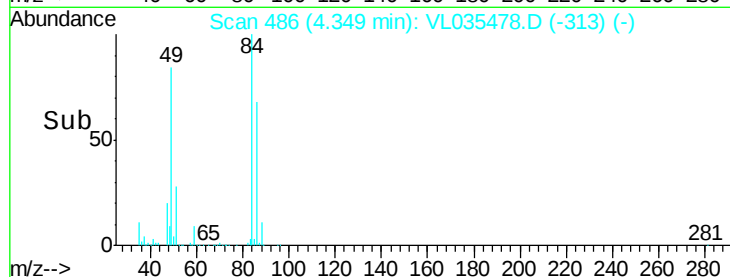
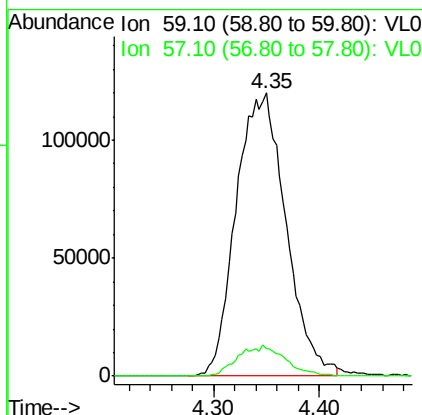
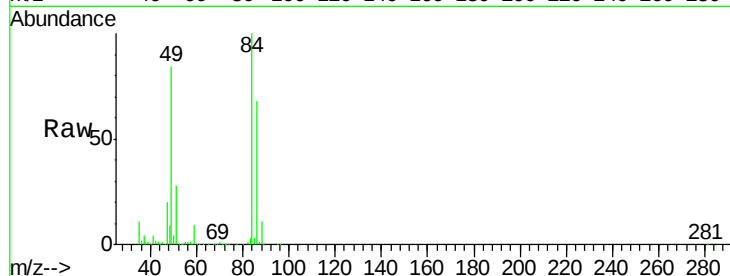
tert-Butyl alcohol
 Concen: 2.390 ppbv
 RT: 4.35 min Scan# 486
 Delta R.T. 0.05 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Instrument :
 MSVOA_L
 ClientSampled :
 SSMP-3

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.9	13.3#

Manual Integrations
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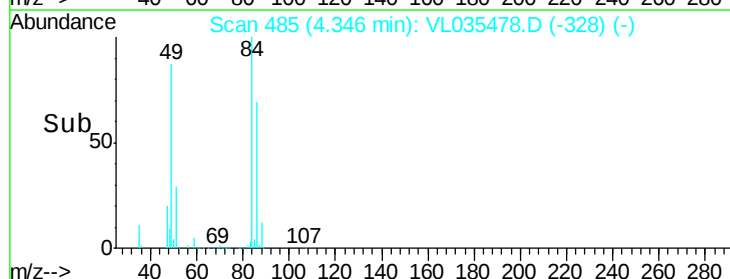
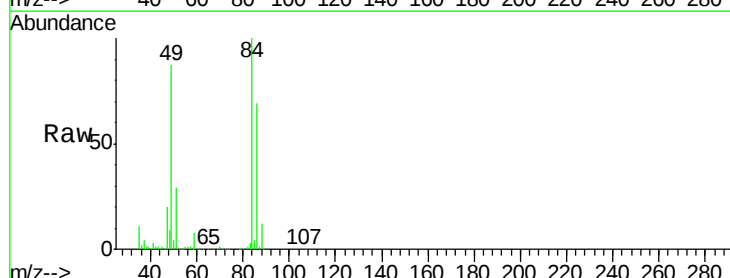
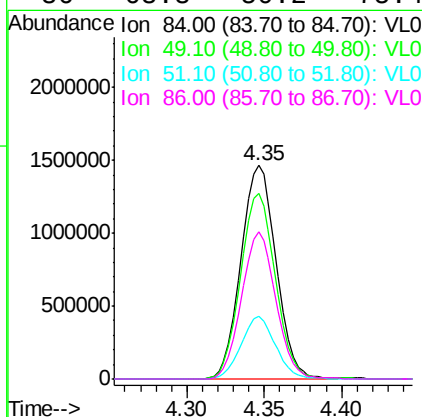
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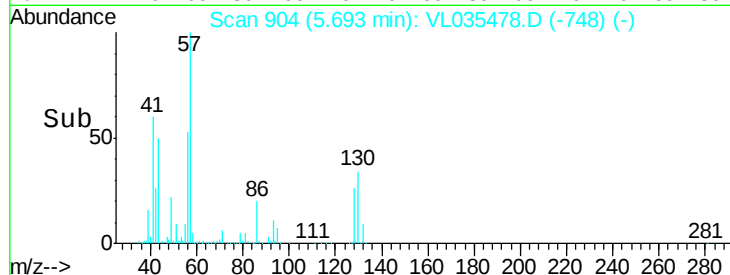
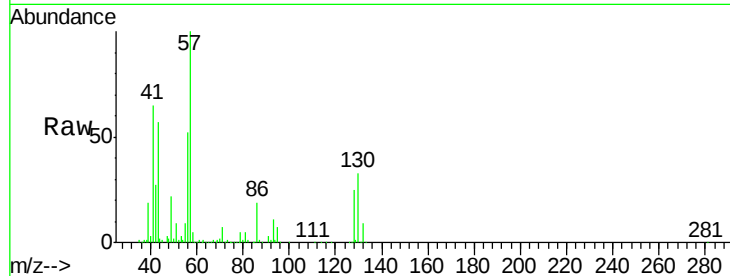
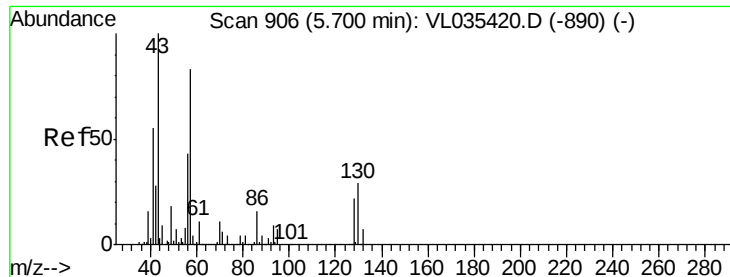


#20

Methylene Chloride
 Concen: 22.610 ppbv
 RT: 4.35 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	87.0	118.6	177.8#
51	29.2	36.4	54.6#
86	68.8	50.2	75.4





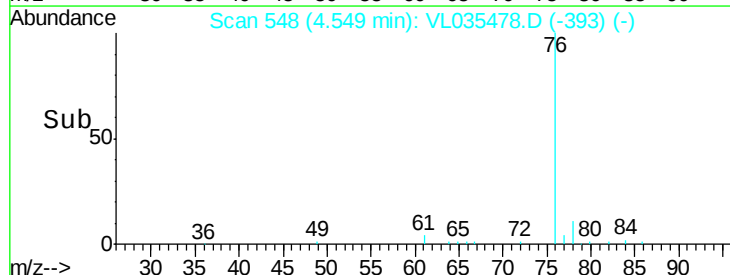
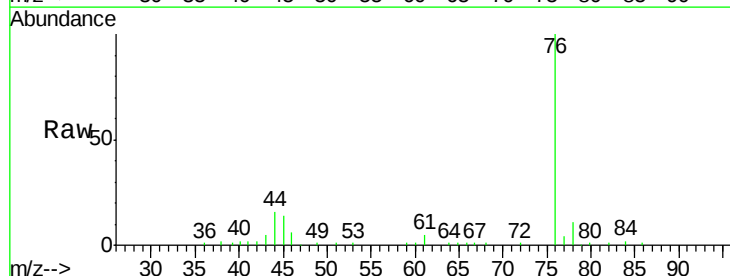
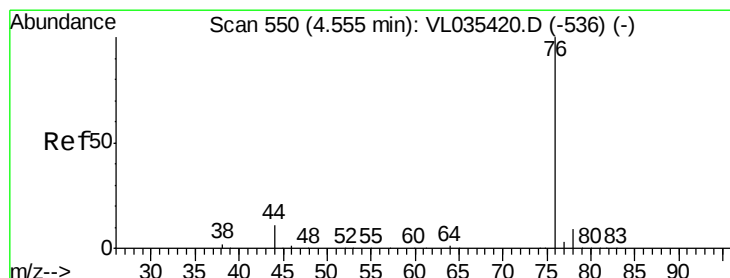
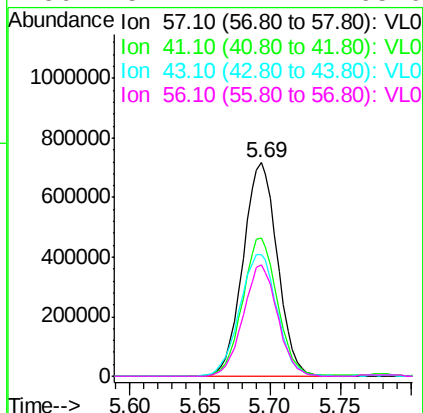
#26
Hexane
Concen: 8.767 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Tot Ion: 57 Resp: 1224489
Ion Ratio Lower Upper
57 100
41 65.9 75.5 113.3#
43 61.6 181.7 272.5#
56 52.1 42.4 63.6

Instrument :
MSVOA_L
ClientSampleId :
SSMP-3

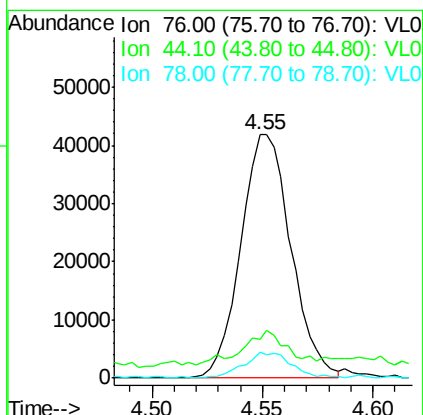
Manual Integrations
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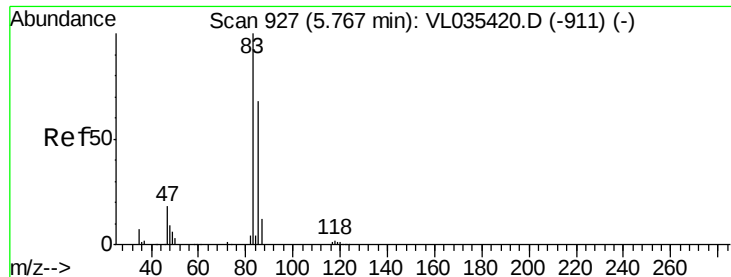
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#27
Carbon Disulfide
Concen: 0.327 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Tgt Ion: 76 Resp: 66089
Ion Ratio Lower Upper
76 100
44 20.2 16.8 25.2
78 10.5 7.3 10.9





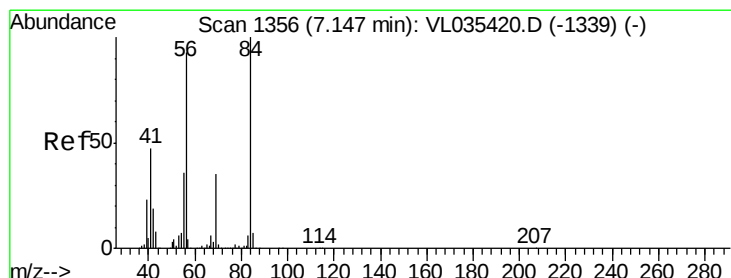
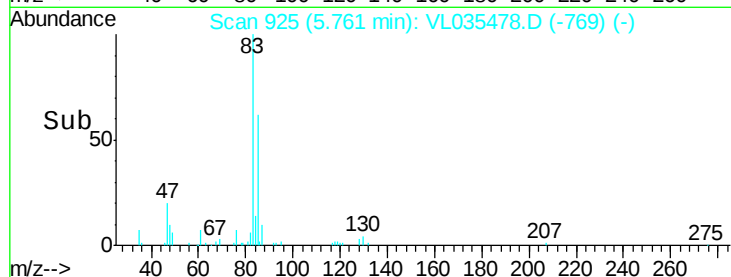
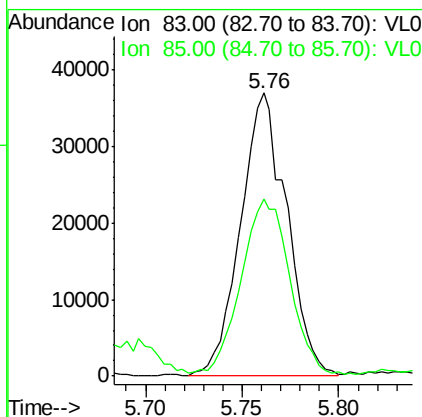
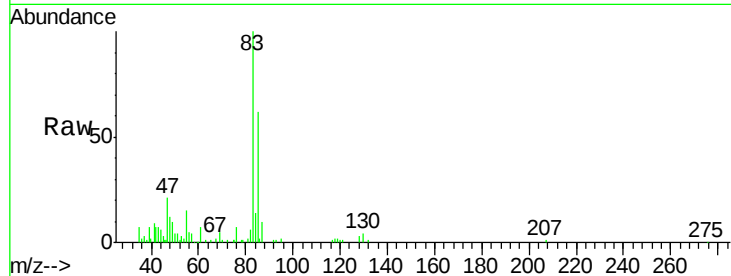
#29
Chloroform
Concen: 0.219 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Instrument :
MSVOA_L
ClientSampleId :
SSMP-3

Tot Ion: 83 Resp: 61462
Ion Ratio Lower Upper
83 100
85 61.4 52.7 79.1

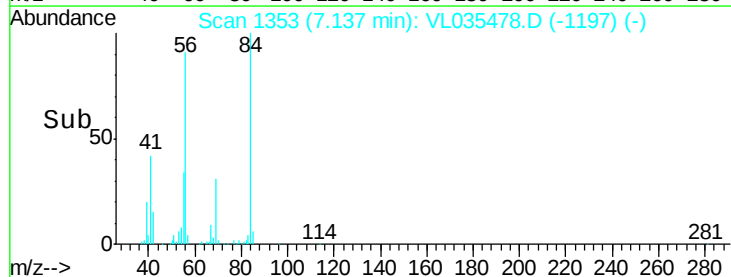
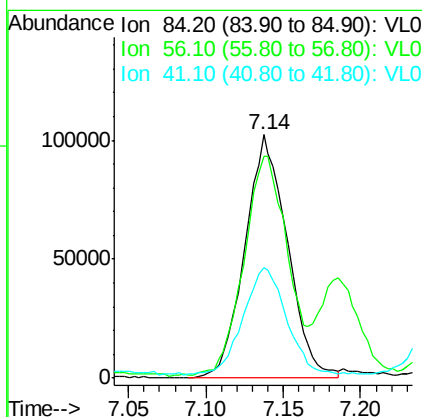
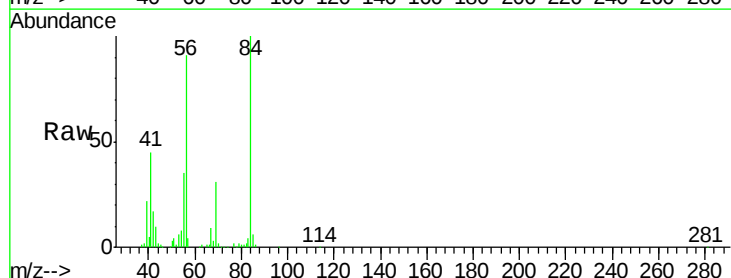
Manual Integrations
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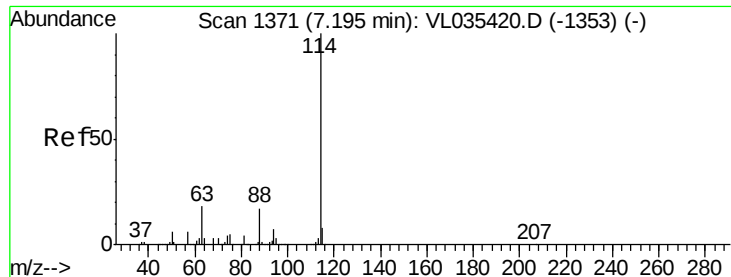
MMDadoda
8/21/2020 11:24:25 AM



#30
Cyclohexane
Concen: 1.264 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Tgt Ion: 84 Resp: 195931
Ion Ratio Lower Upper
84 100
56 91.8 114.9 172.3#
41 46.6 72.3 108.5#





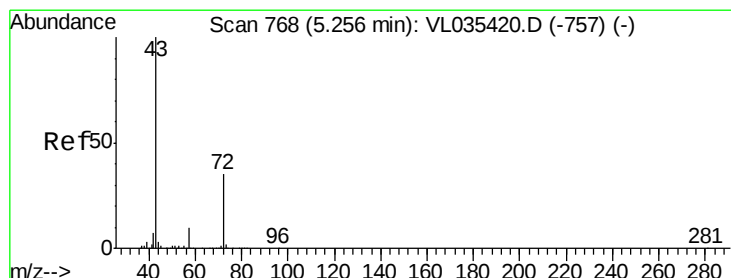
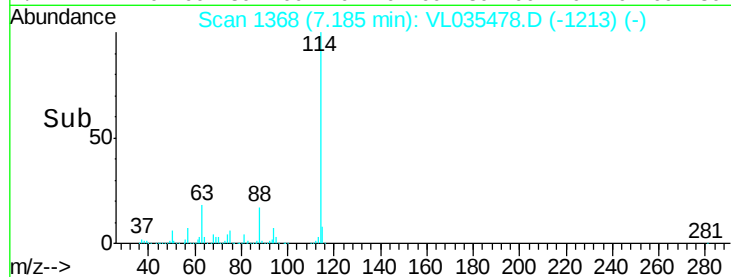
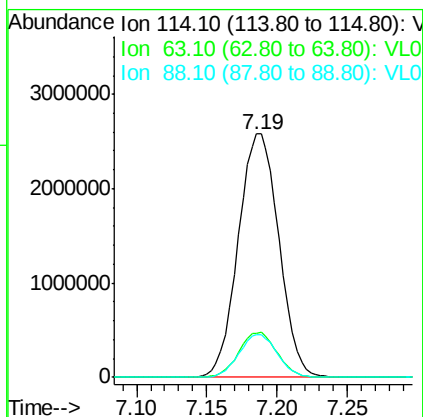
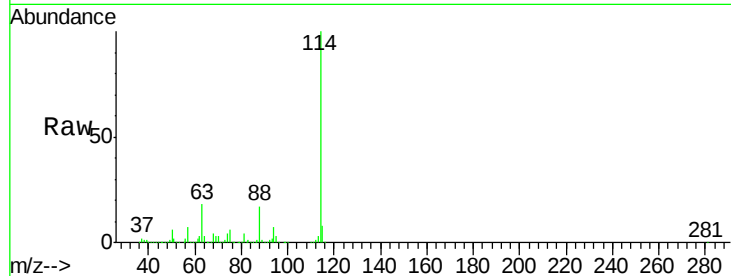
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-3

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.6	23.1	34.7#
88	16.7	15.9	23.9

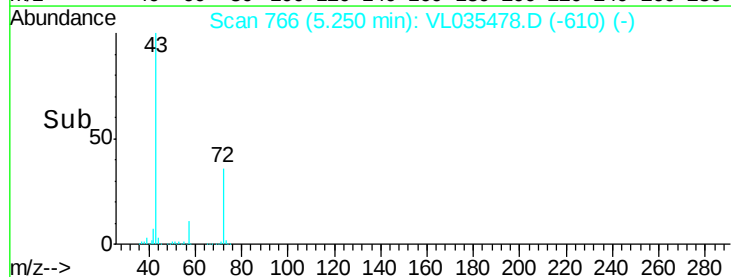
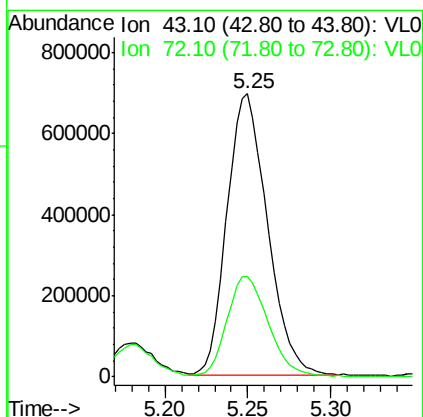
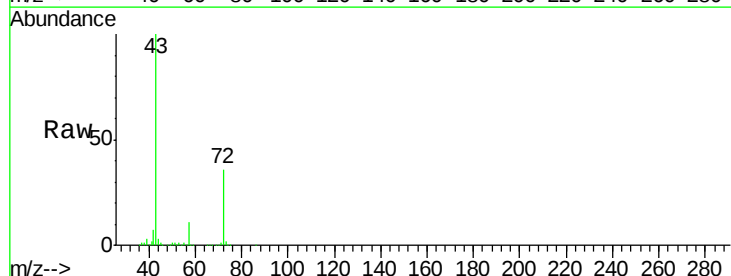
Manual Integrations
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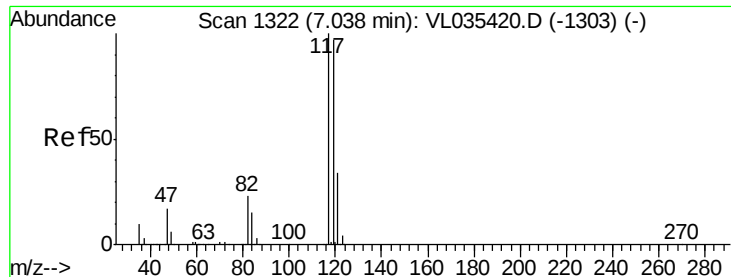
MMDadoda
 8/21/2020 11:24:25 AM



#34
 2-Butanone
 Concen: 6.768 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	36.5	17.6	26.4#





#35

Carbon Tetrachloride

Concen: 0.072 ppbv m

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

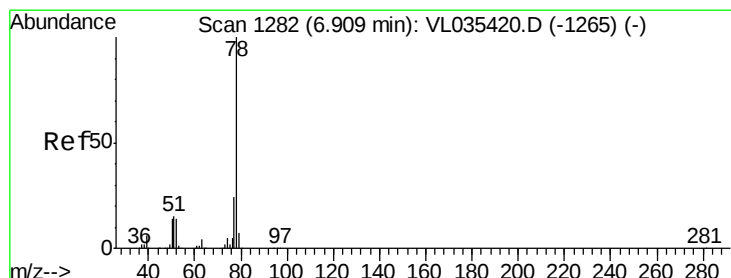
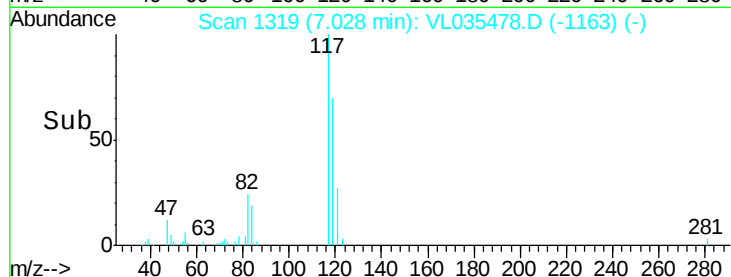
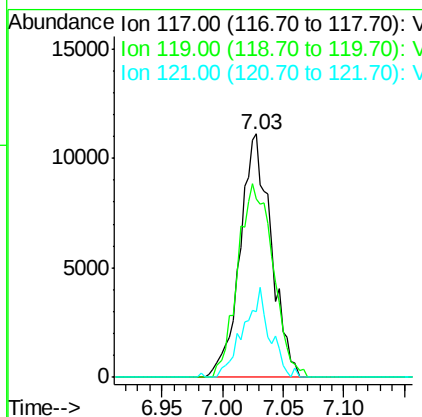
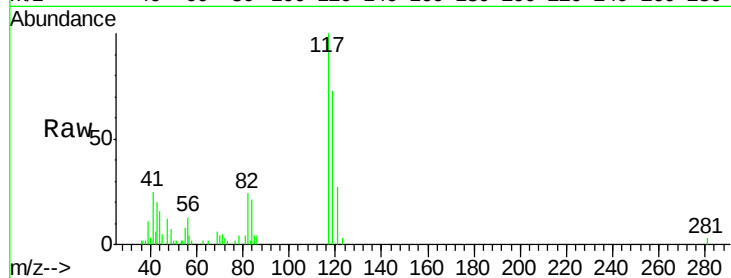
ClientSampleId :

SSMP-3

Tot Ion:	117	Resp:	19900
Ion Ratio	Lower	Upper	
117	100		
119	73.2	76.1	114.1#
121	27.1	25.5	38.3

Manual Integrations
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MMDadoda
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#36

Benzene

Concen: 1.865 ppbv

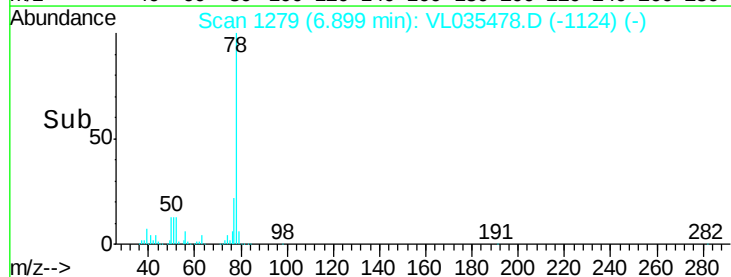
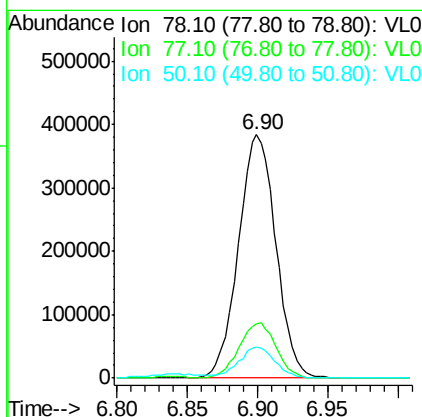
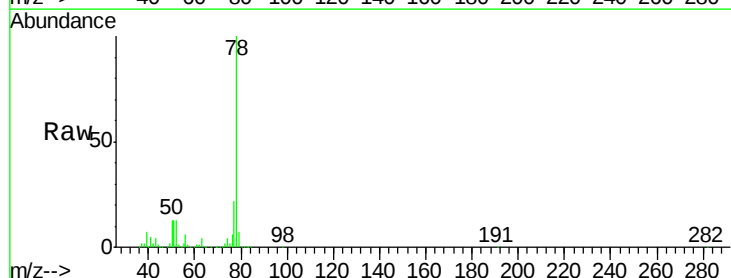
RT: 6.90 min Scan# 1279

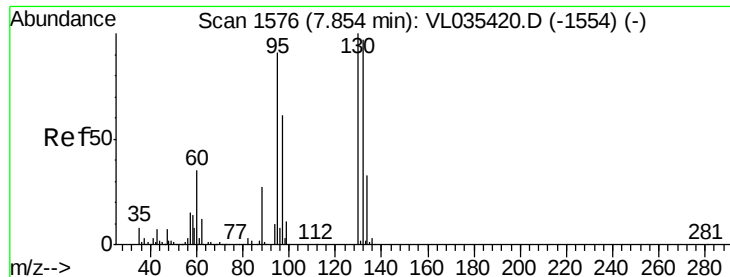
Delta R.T. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Tgt Ion:	78	Resp:	711296
Ion Ratio	Lower	Upper	
78	100		
77	22.2	19.6	29.4
50	12.5	16.3	24.5#





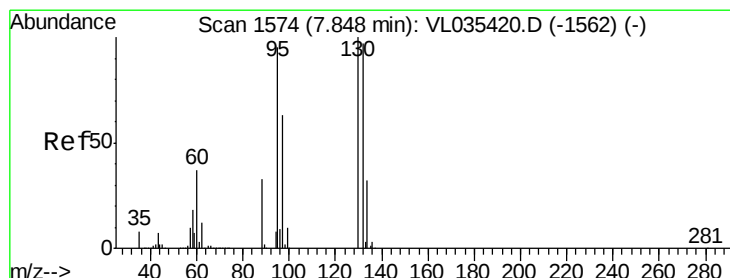
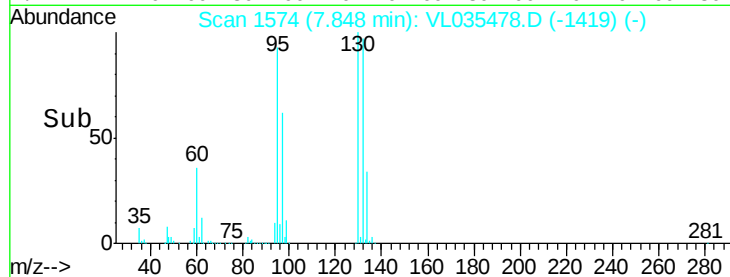
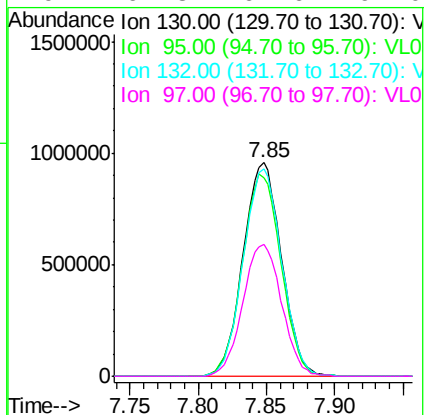
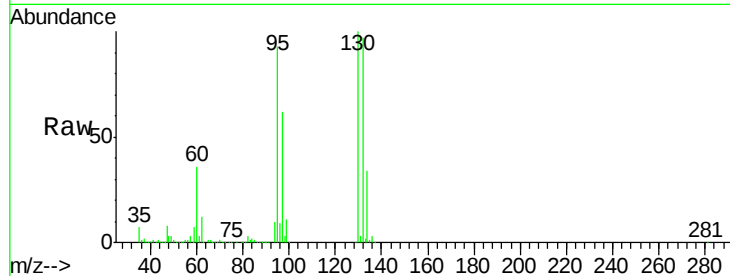
#38
 Trichloroethene
 Concen: 8.848 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Instrument :
 MSVOA_L
 ClientSampled :
 SSMP-3

Tot Ion	130	Resp	1876927
Ion	Ratio	Lower	Upper
130	100		
95	92.9	95.8	143.8#
132	97.3	74.3	111.5
97	61.8	62.6	94.0#

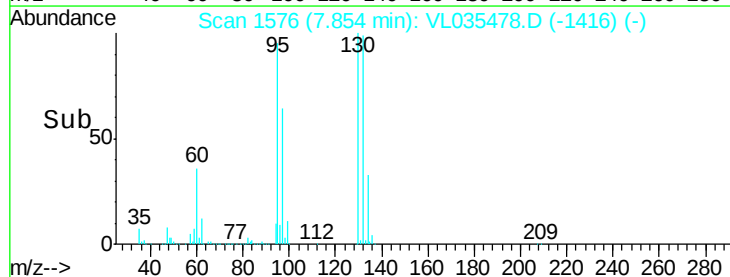
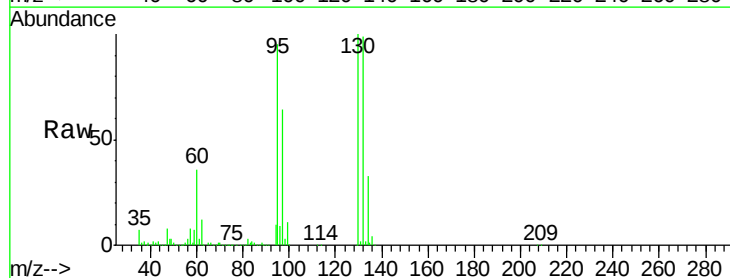
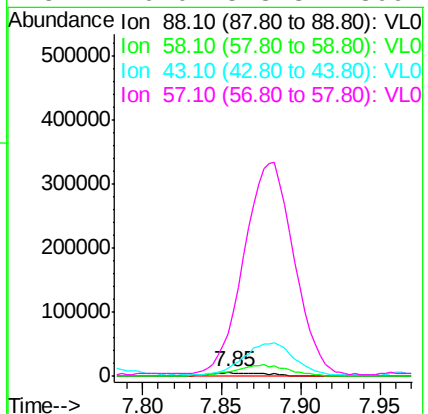
Manual Integrations
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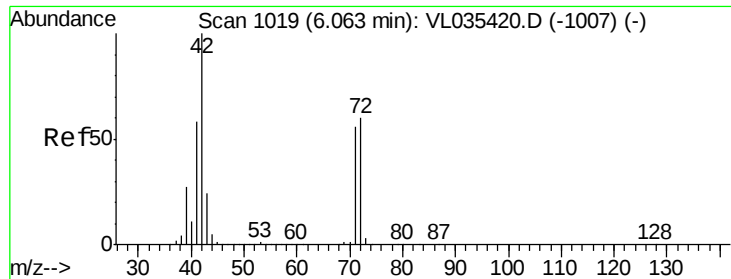
MMDadoda
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#40
 1,4-Dioxane
 Concen: 0.205 ppbv m
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Tgt Ion	88	Resp	14052
Ion	Ratio	Lower	Upper
88	100		
58	0.0	106.6	160.0#
43	0.0	209.7	314.5#
57	0.0	873.3	1309.9#





#41

Tetrahydrofuran

Concen: 3.949 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

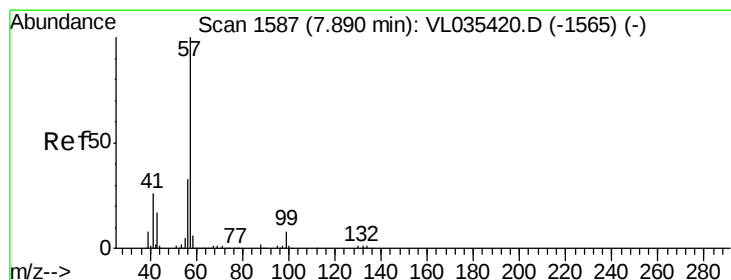
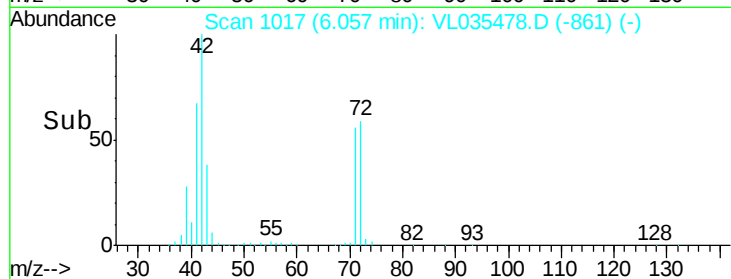
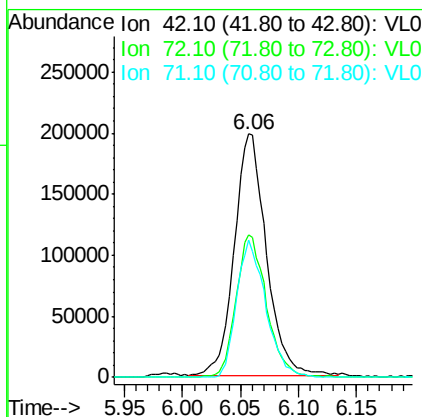
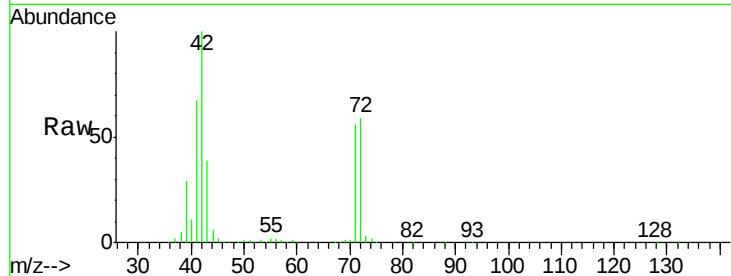
ClientSampled :

SSMP-3

Tot Ion:	42	Resp:	378191
Ion Ratio		Lower	Upper
42	100		
72	56.6	29.4	44.2#
71	51.6	28.9	43.3#

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 1.451 ppbv

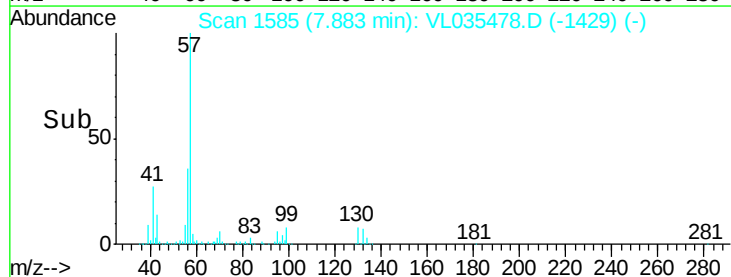
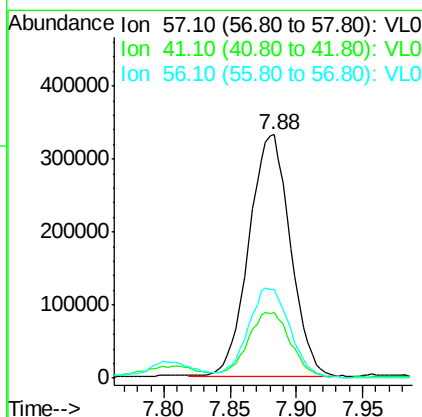
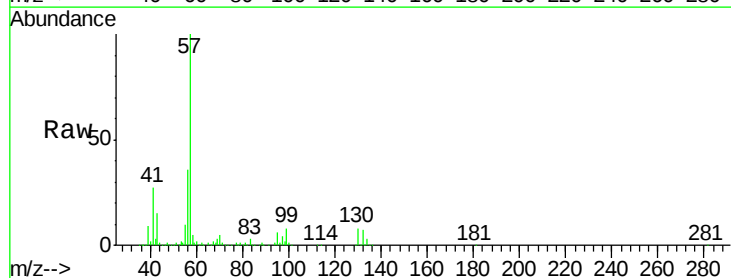
RT: 7.88 min Scan# 1585

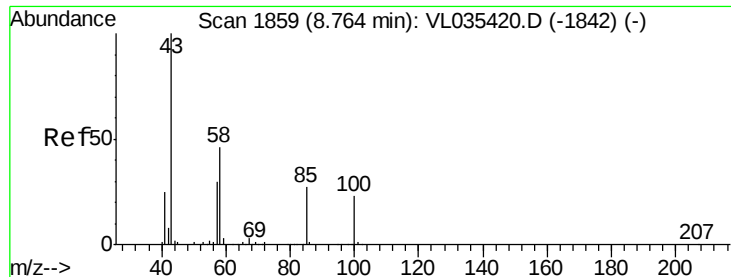
Delta R.T. 0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Tgt Ion:	57	Resp:	722572
Ion Ratio		Lower	Upper
57	100		
41	27.9	27.2	40.8
56	37.5	25.4	38.0





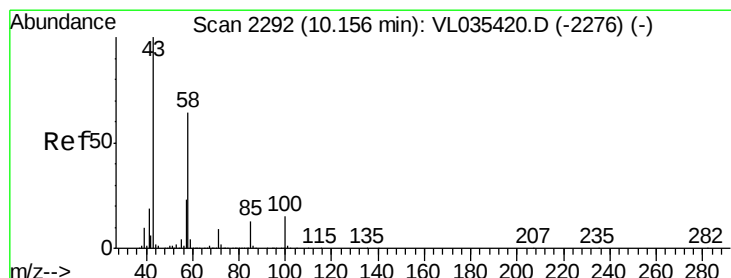
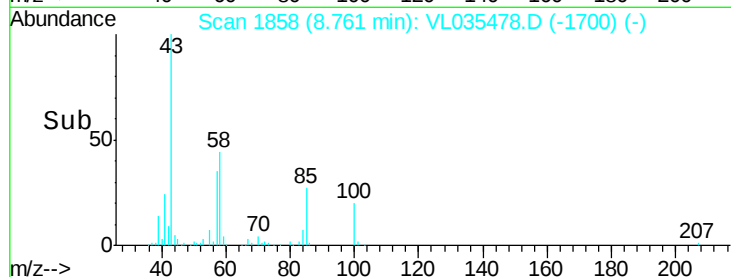
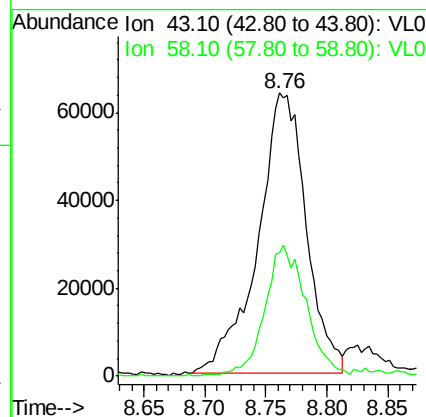
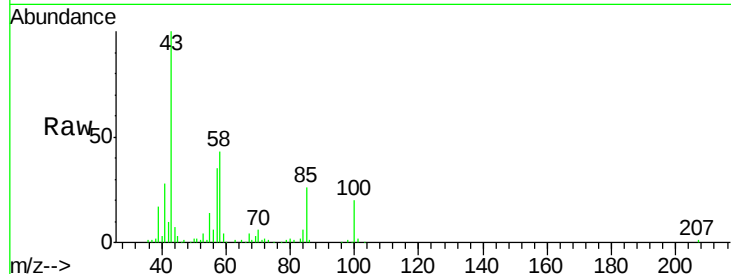
#50
4-Methyl-2-Pentanone
Concen: 0.706 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.01 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Instrument :
MSVOA_L
ClientSampled :
SSMP-3

Tot Ion: 43 Resp: 175807
Ion Ratio Lower Upper
43 100
58 40.5 28.7 43.1

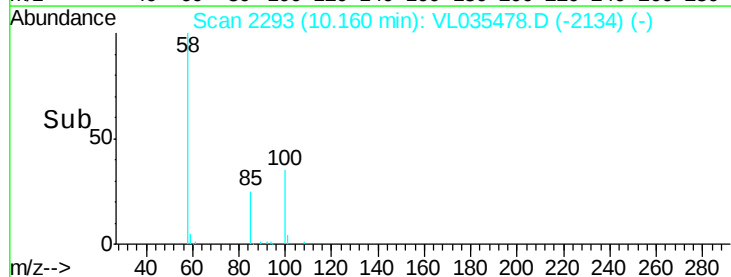
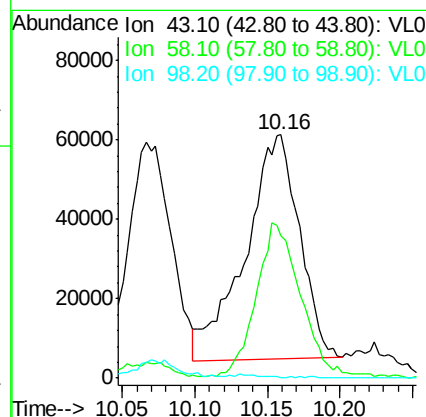
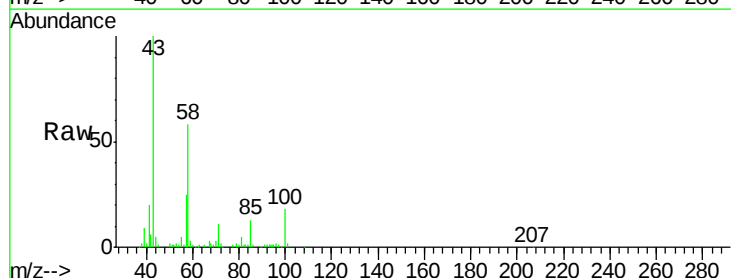
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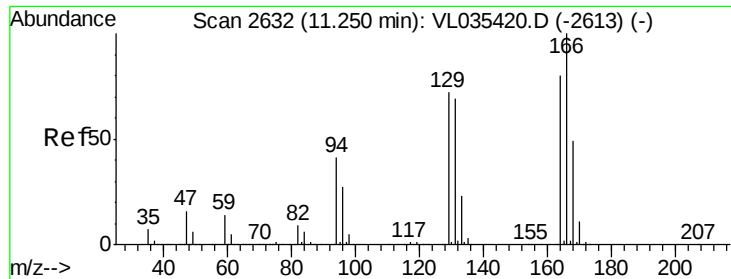
MMDadoda
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#51
2-Hexanone
Concen: 0.704 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Tgt Ion: 43 Resp: 147710
Ion Ratio Lower Upper
43 100
58 57.8 38.6 58.0
98 1.2 0.2 0.2#





#52

Tetrachloroethene

Concen: 5.011 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampled :

SSMP-3

Tot Ion:164 Resp: 1165615

Ion Ratio Lower Upper

164 100

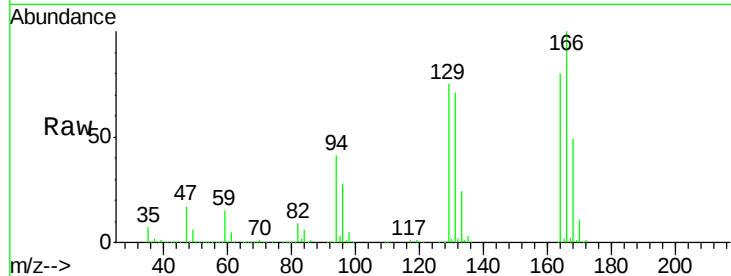
166 124.8 103.4 155.0

129 93.8 90.2 135.4

131 88.8 91.7 137.5#

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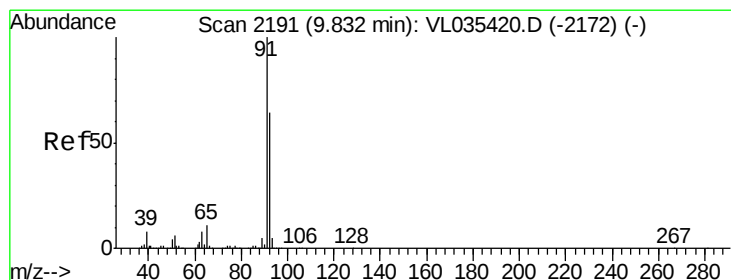
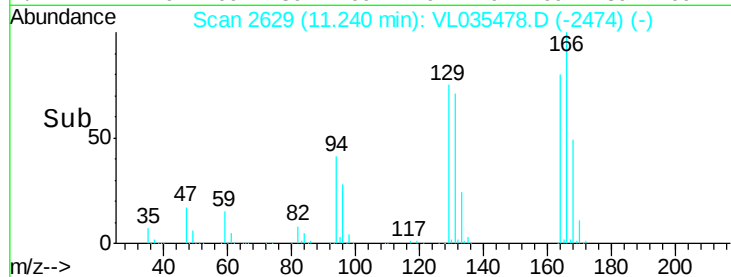
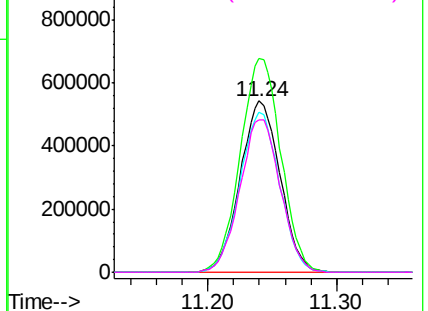
Abundance

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: 10.173 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035478.D

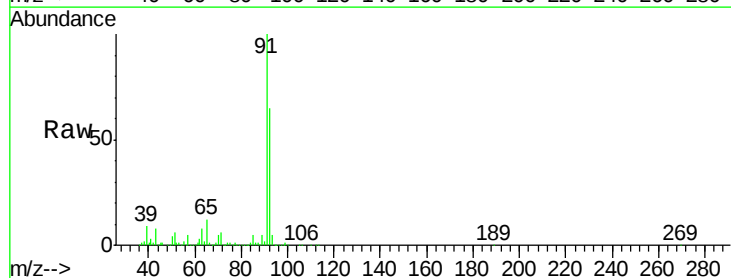
Acq: 20 Aug 2020 17:09

Tgt Ion: 91 Resp: 4996903

Ion Ratio Lower Upper

91 100

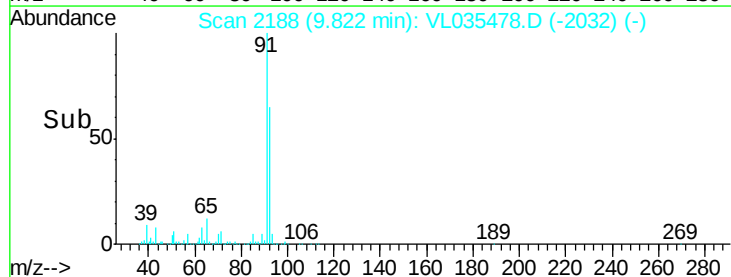
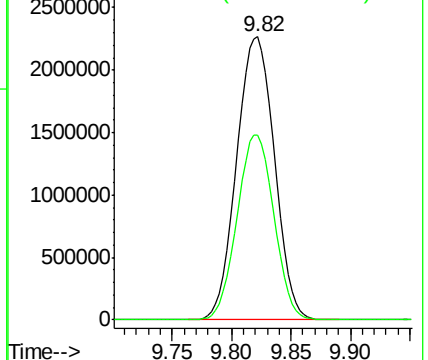
92 63.7 49.1 73.7

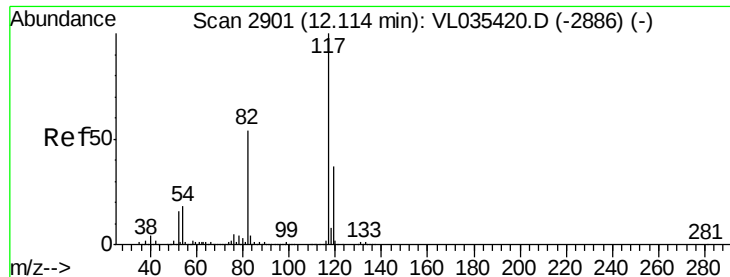


Abundance

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. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

SSMP-3

Tot Ion:117 Resp: 5133612

Ion Ratio Lower Upper

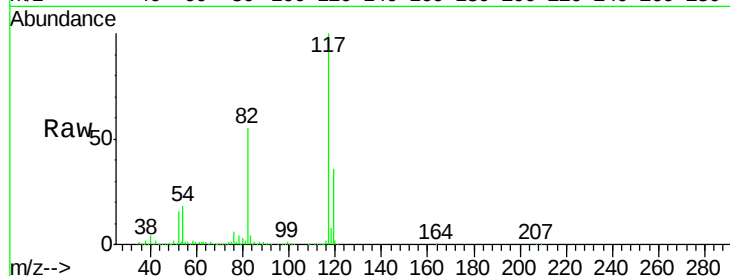
117 100

82 53.3 57.4 86.0#

119 35.2 28.4 42.6

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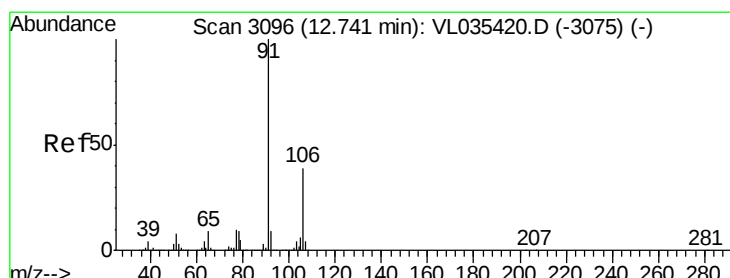
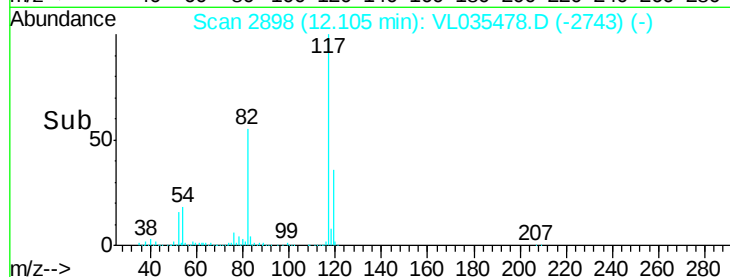
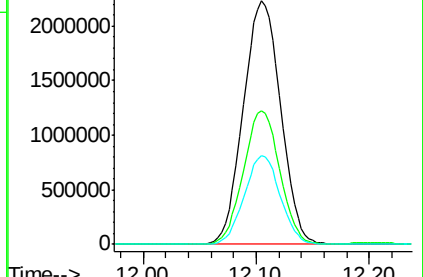
MMDadoda
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 2.024 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.00 min

Lab File: VL035478.D

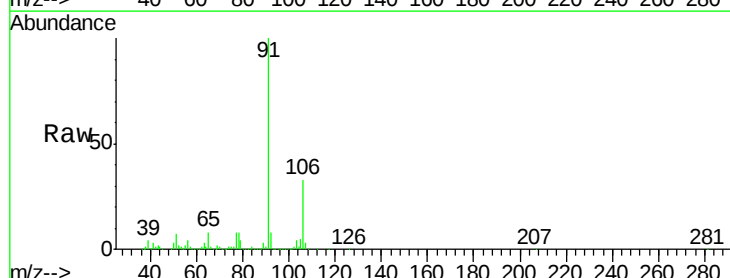
Acq: 20 Aug 2020 17:09

Tgt Ion: 91 Resp: 1254518

Ion Ratio Lower Upper

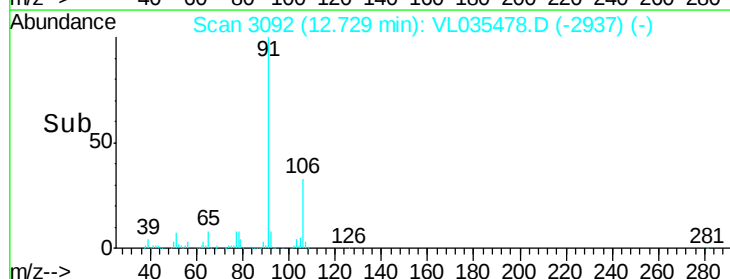
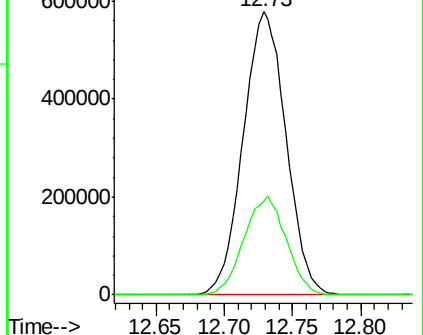
91 100

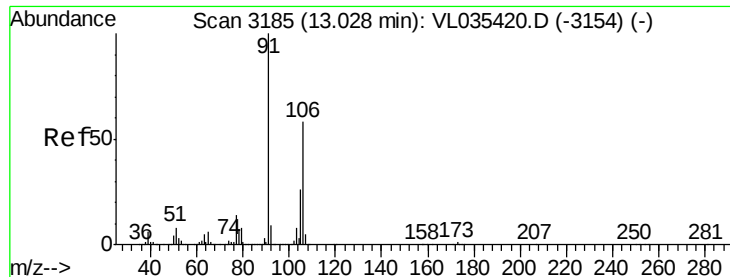
106 33.4 24.1 36.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





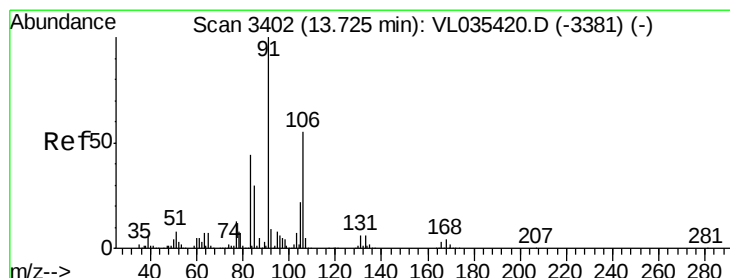
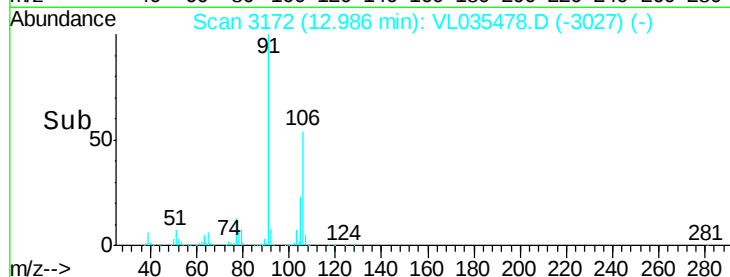
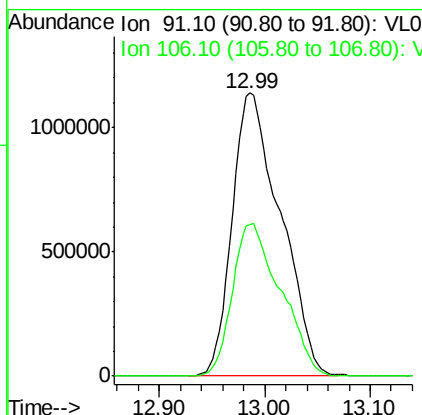
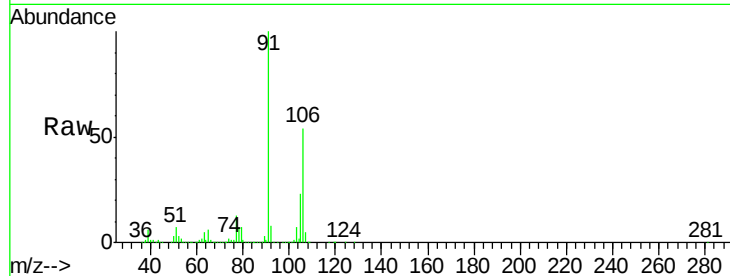
#59
m/p-Xylene
Concen: 6.910 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. -0.04 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Instrument :
MSVOA_L
ClientSampled :
SSMP-3

Tot Ion: 91 Resp: 3619930
Ion Ratio Lower Upper
91 100
106 53.8 34.0 51.0#

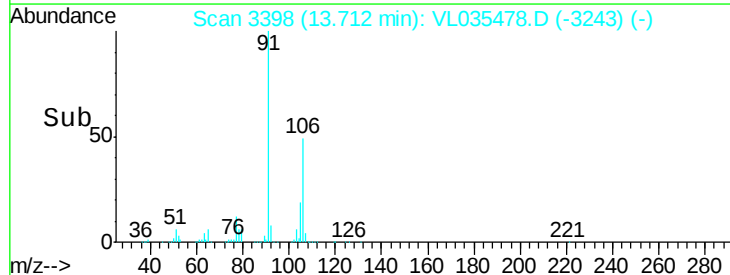
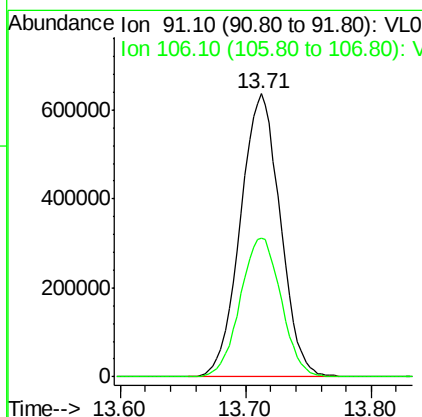
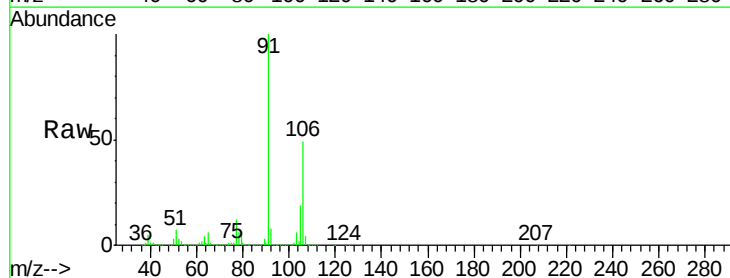
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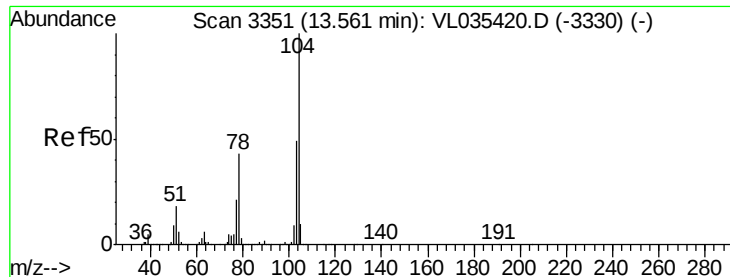
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#60
o-Xylene
Concen: 2.748 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Tgt Ion: 91 Resp: 1399006
Ion Ratio Lower Upper
91 100
106 50.5 21.8 65.3





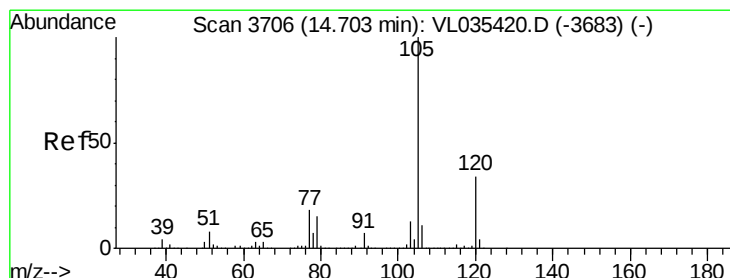
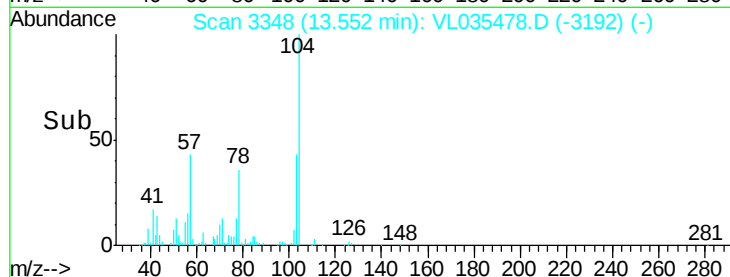
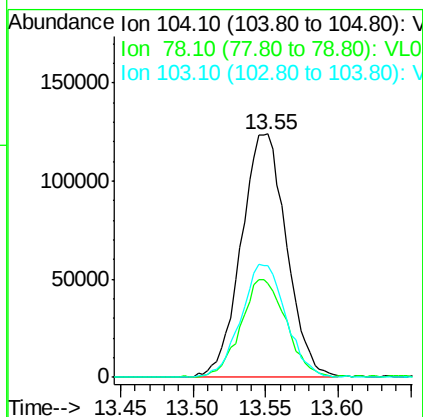
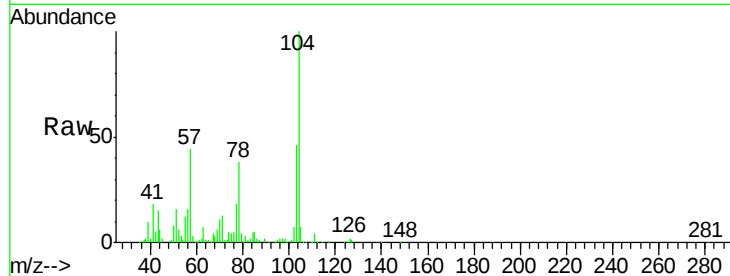
#61
Stvrene
Concen: 0.651 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Instrument :
MSVOA_L
ClientSampleId :
SSMP-3

Tot Ion	Ratio	Lower	Upper
104	100		
78	40.8	45.4	68.2#
103	46.3	37.8	56.8

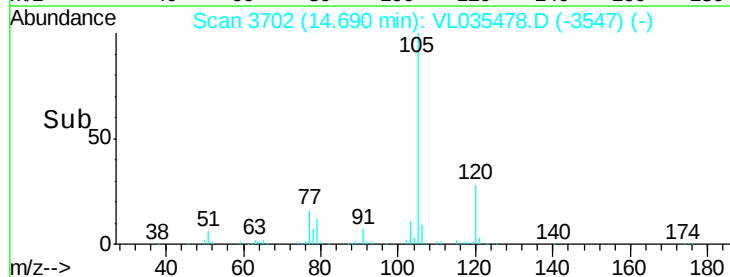
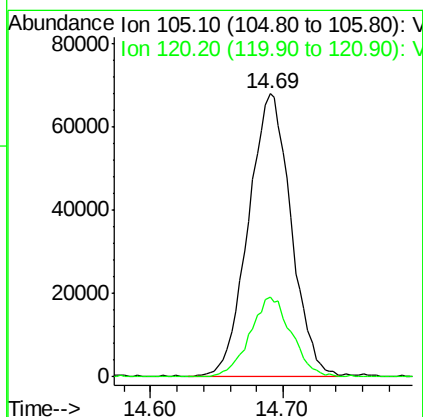
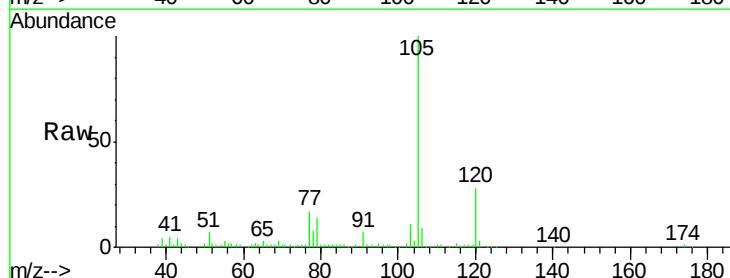
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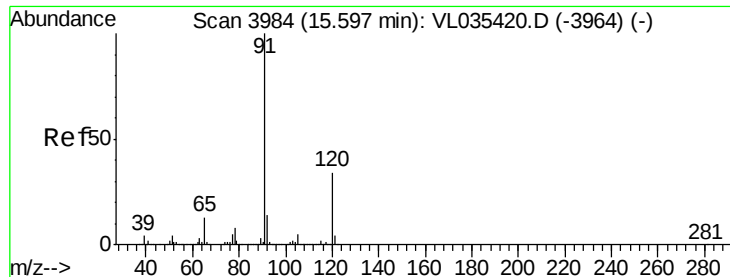
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#62
Isopropylbenzene
Concen: 0.183 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. -0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	20.3	30.5





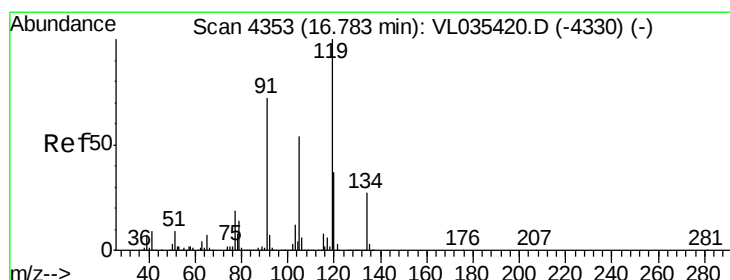
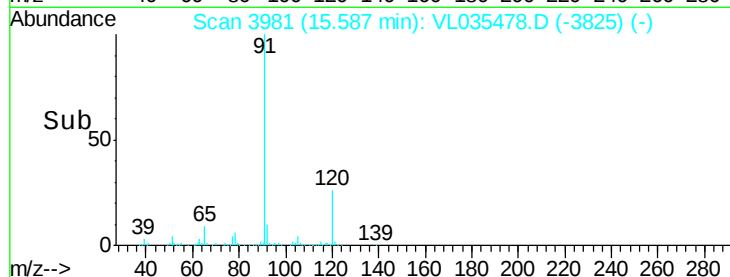
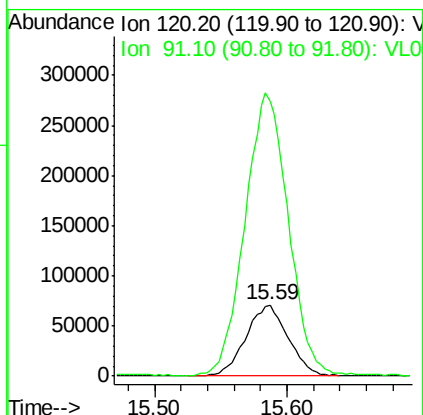
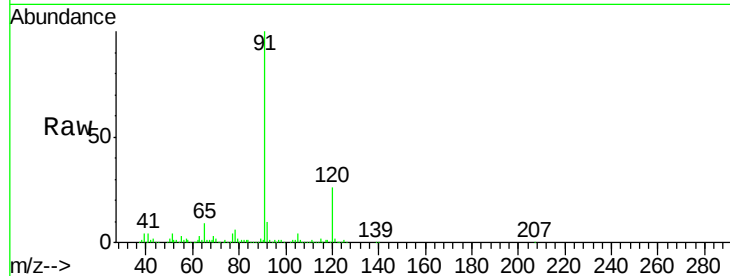
#64
n-propylbenzene
Concen: 0.609 ppbv
RT: 15.59 min Scan# 3981
Delta R.T. 0.00 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Instrument :
MSVOA_L
ClientSampleId :
SSMP-3

Tot Ion	Ratio	Lower	Upper
120	100		
91	406.6	385.5	578.3

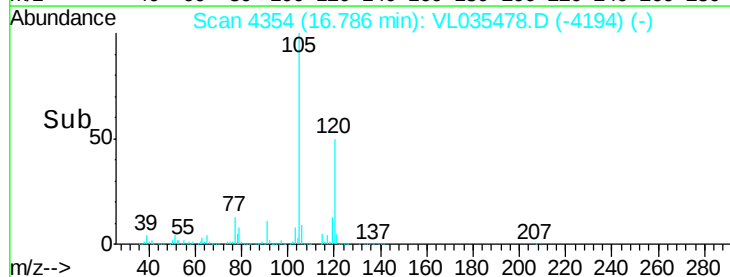
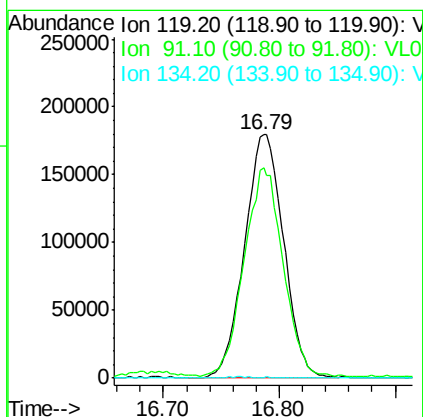
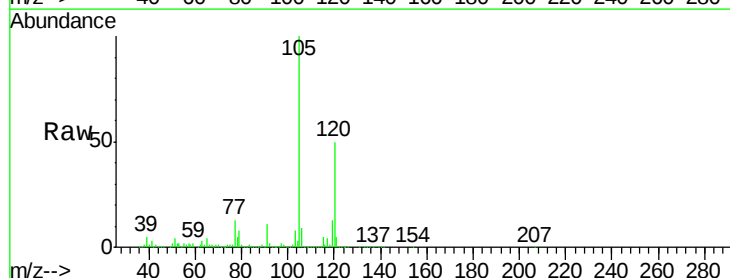
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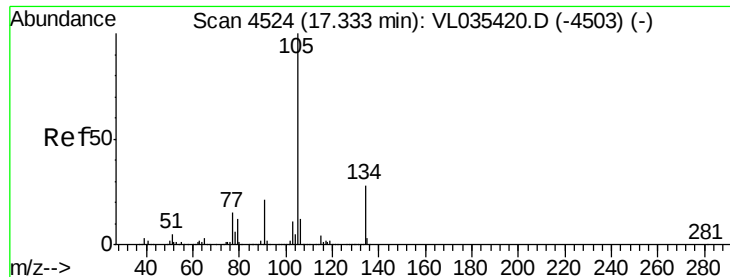
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#65
tert-Butylbenzene
Concen: 0.516 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. 0.01 min
Lab File: VL035478.D
Acq: 20 Aug 2020 17:09

Tgt Ion	Ratio	Lower	Upper
119	100		
91	87.8	72.0	108.0
134	0.5	15.7	23.5#





#67

sec-Butylbenzene

Concen: 0.121 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. -0.01 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

SSMP-3

Tot Ion: 105 Resp: 129277

Ion Ratio Lower Upper

105 100

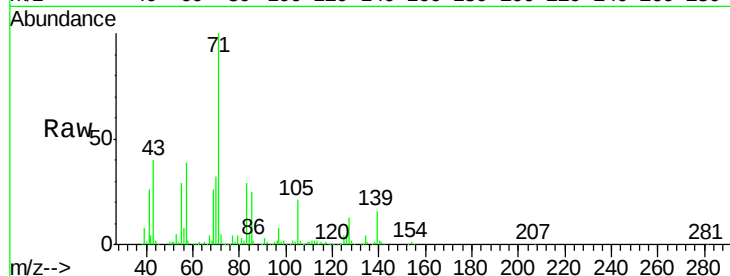
134 20.1 14.1 21.1

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.32

60000

50000

40000

30000

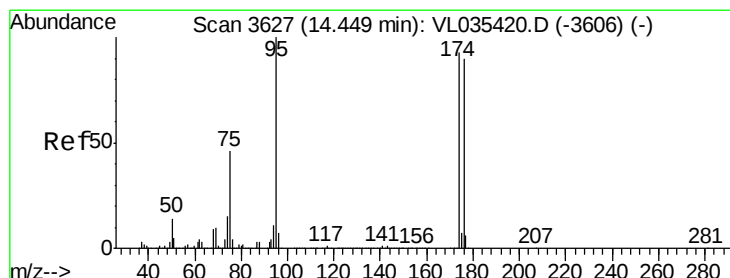
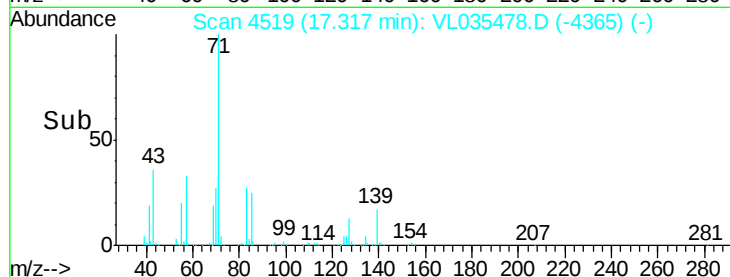
20000

10000

0

17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.296 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

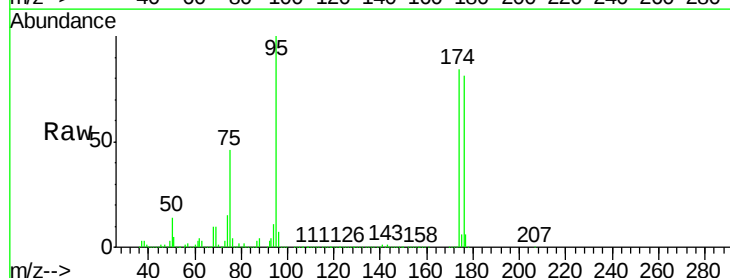
Tgt Ion: 95 Resp: 3700172

Ion Ratio Lower Upper

95 100

174 86.6 44.0 66.0#

175 6.3 3.2 4.8#



Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

2000000

1500000

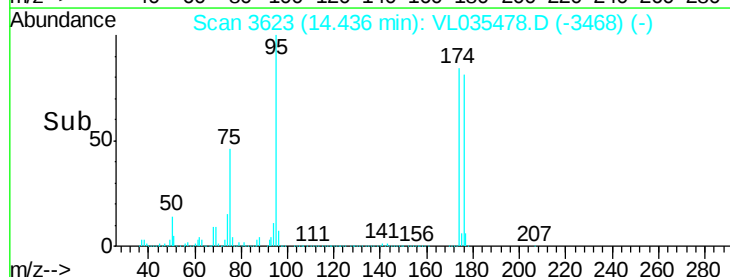
1000000

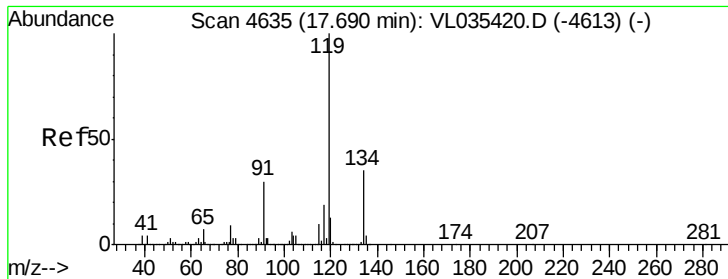
500000

0

14.40 14.50

Time-->





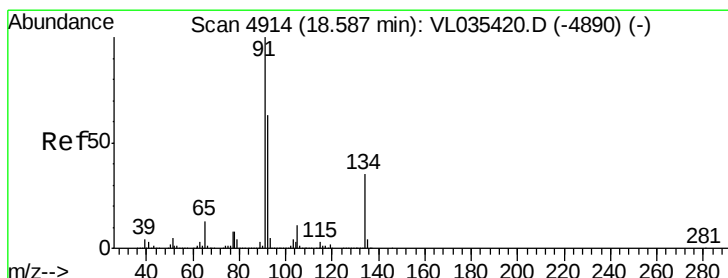
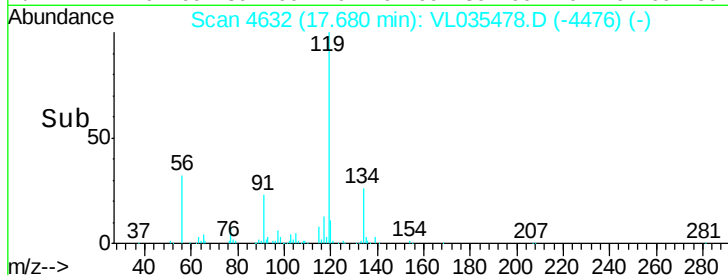
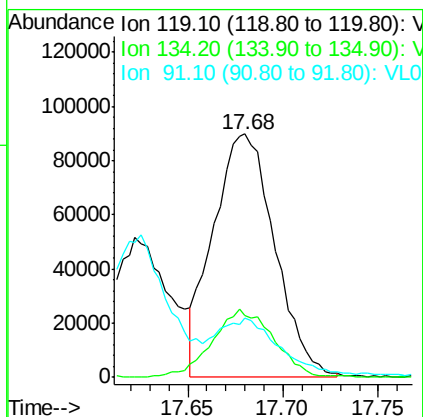
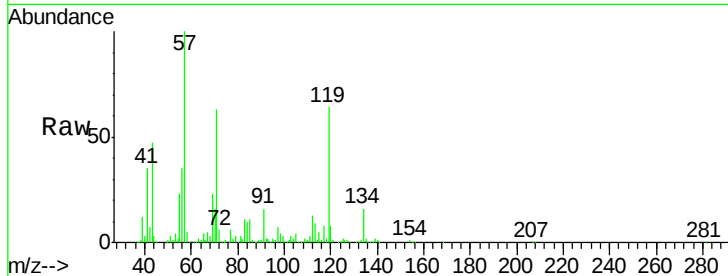
#69
 p-Isopropyltoluene
 Concen: 0.213 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. 0.00 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-3

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201828		
134	26.8	20.6	30.8	
91	28.6	26.6	39.8	

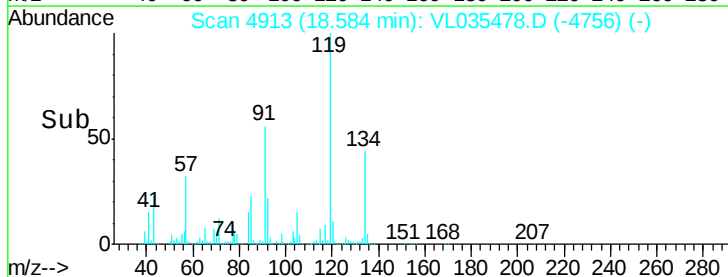
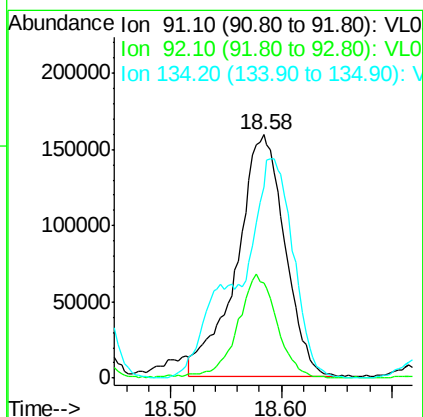
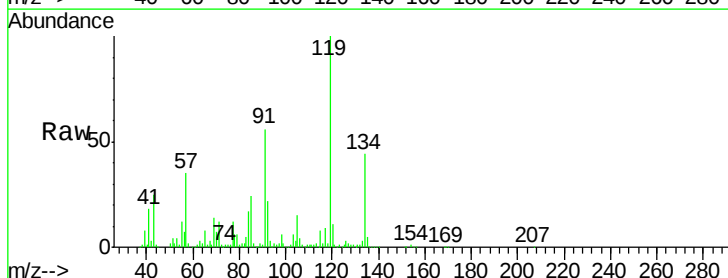
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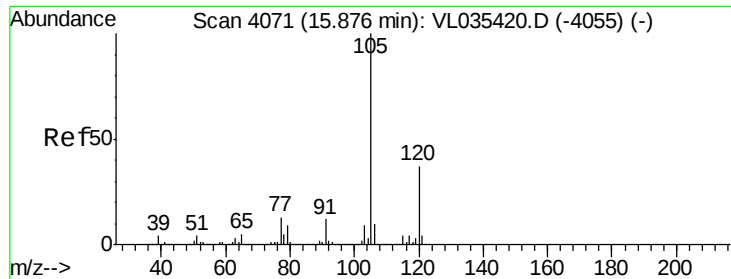
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#70
 n-Butylbenzene
 Concen: 0.533 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. 0.00 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	476667		
92	35.5	44.8	67.2#	
134	106.0	17.3	25.9#	





#72

4-Ethyltoluene

Concen: 1.378 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. -0.01 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Instrument :

MSVOA_L

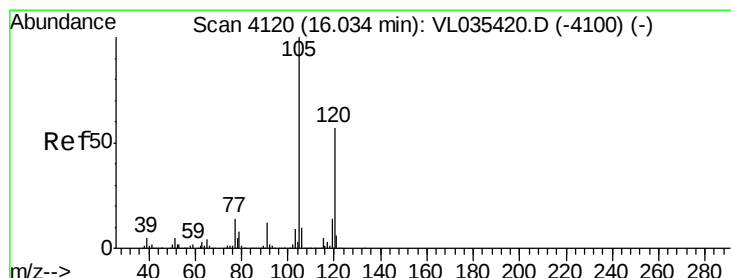
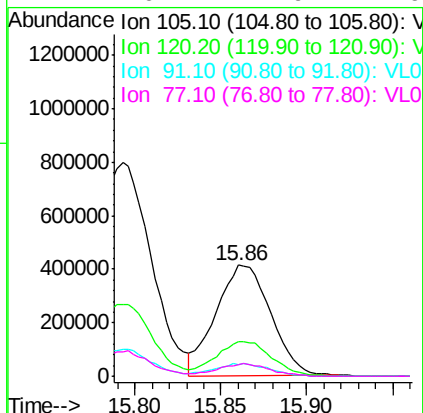
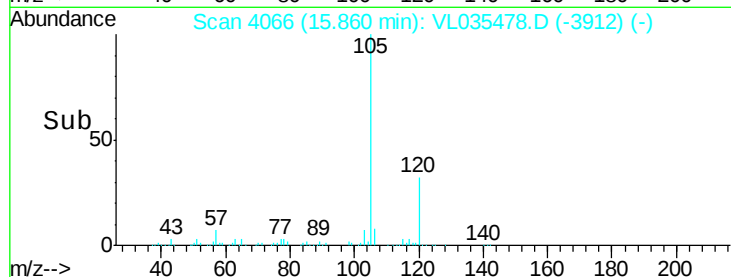
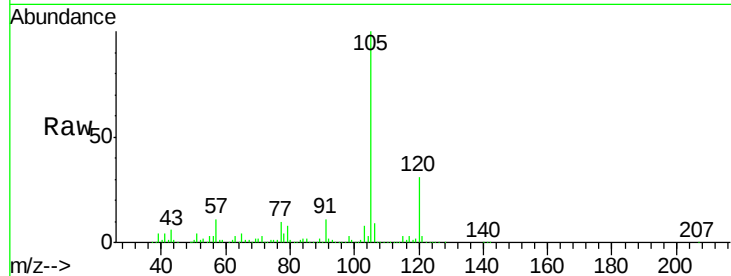
ClientSampleId :

SSMP-3

Tot Ion	Ratio	Resp	Lower	Upper
105	100	920568		
120	31.4	22.7	34.1	
91	10.9	10.8	16.2	
77	10.4	11.9	17.9	

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#73

1,3,5-Trimethylbenzene

Concen: 1.498 ppbv

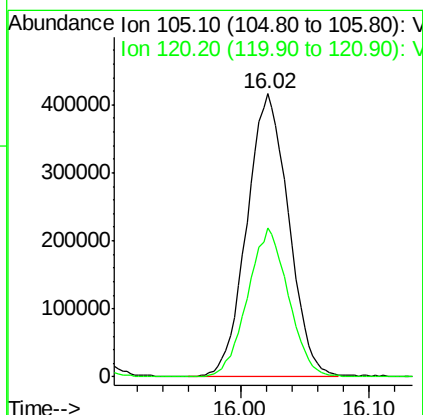
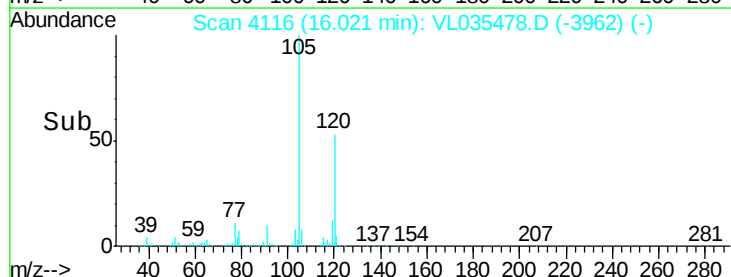
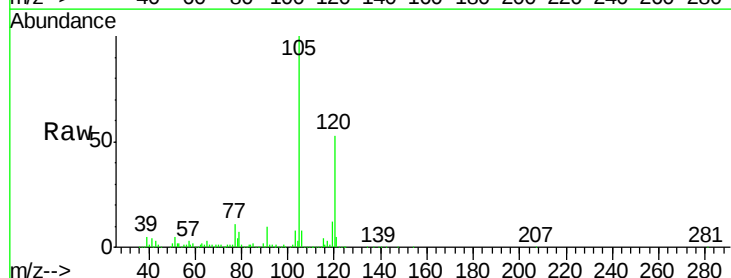
RT: 16.02 min Scan# 4116

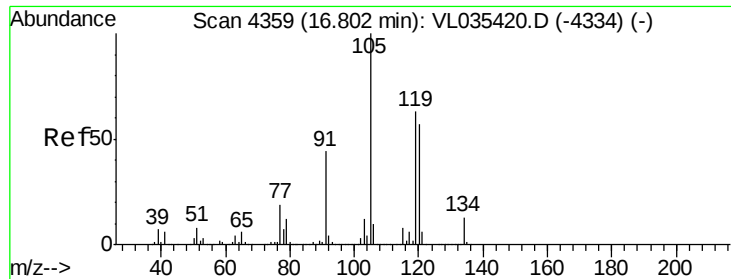
Delta R.T. -0.01 min

Lab File: VL035478.D

Acq: 20 Aug 2020 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	931532		
120	52.8	35.6	53.4	





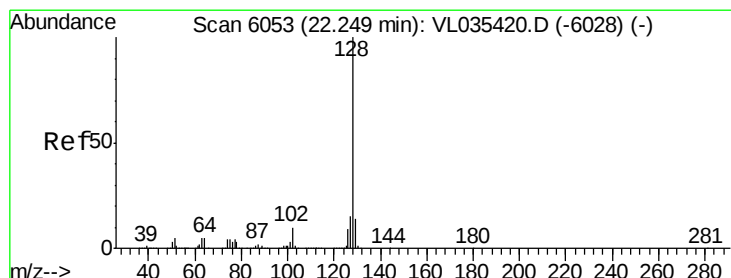
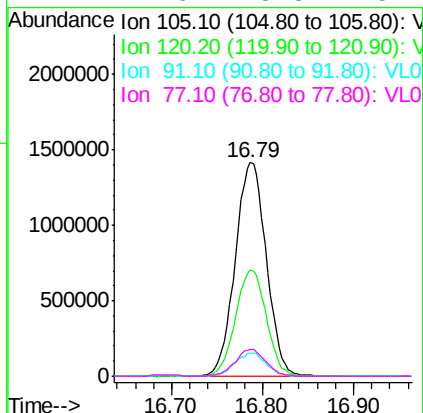
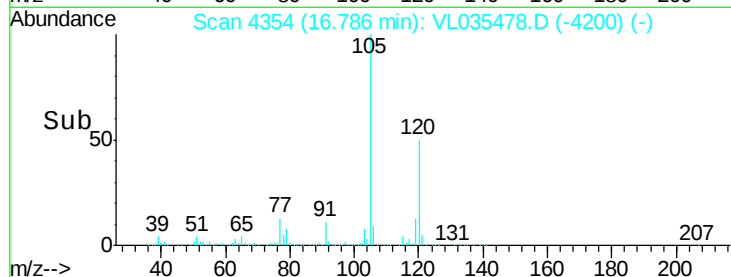
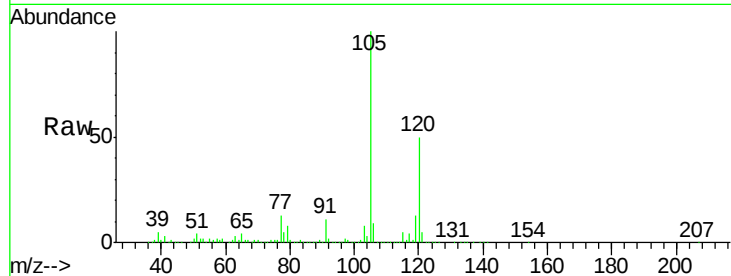
#74
 1,2,4-Trimethylbenzene
 Concen: 4.969 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. -0.01 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Instrument :
 MSVOA_L
 ClientSampled :
 SSMP-3

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.5	37.8	56.8
91	10.8	40.0	60.0#
77	12.6	18.8	28.2#

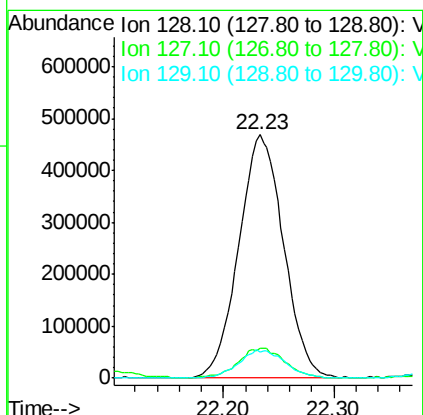
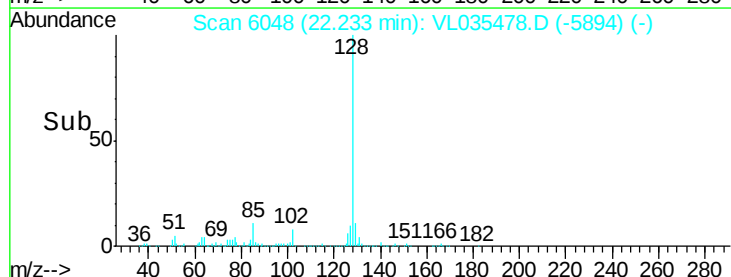
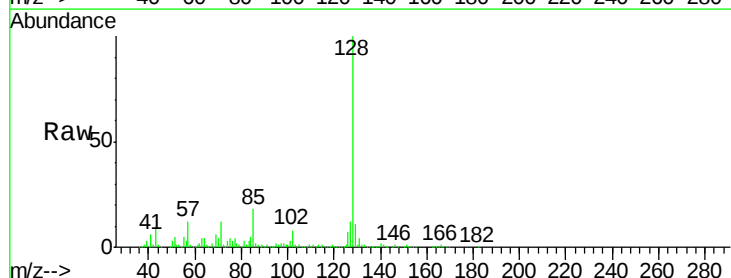
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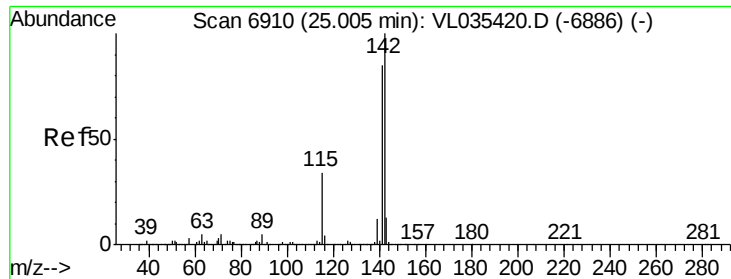
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#79
 Naphthalene
 Concen: 1.379 ppbv
 RT: 22.23 min Scan# 6048
 Delta R.T. -0.01 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.9	11.4	17.0
129	10.7	9.5	14.3





#80
 Naphthalene,2-methyl-
 Concen: 1.188 ppbv
 RT: 24.99 min Scan# 6907
 Delta R.T. -0.00 min
 Lab File: VL035478.D
 Acq: 20 Aug 2020 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-3

Tot Ion	Ratio	Resp	Lower	Upper
142	100	466998		
141	83.9		67.1	100.7
115	38.1		36.1	54.1

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