

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035432.D
 Acq On : 18 Aug 2020 1:09
 Operator : SY/AP
 Sample : L3699-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 K-1

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:05:58 AM

Quant Time: Aug 19 16:19:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 18 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	5.68	49	1095449	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4862742	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4853540	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3537889	10.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	47634	0.235	ppbv	100
3) Chlorodifluoromethane	2.99	51	144036m	1.049	ppbv	
4) Chloromethane	3.14	50	34008	0.475	ppbv	90
9) Propene	3.02	41	541369	9.806	ppbv #	73
10) Heptane	8.14	43	477161	3.296	ppbv #	82
11) Trichlorofluoromethane	3.96	101	176406	0.554	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	17485	0.074	ppbv #	81
13) Ethanol	3.65	45	9739194	481.498	ppbv	90
15) Acetone	3.85	43	6196809	49.148	ppbv #	74
17) tert-Butyl alcohol	4.34	59	124547	0.764	ppbv #	71
20) Methylene Chloride	4.36	84	204702	2.012	ppbv #	62
26) Hexane	5.70	57	436254	3.151	ppbv #	32
27) Carbon Disulfide	4.56	76	4673003	23.348	ppbv #	86
29) Chloroform	5.77	83	4953872	17.807	ppbv	92
30) Cyclohexane	7.15	84	135733	0.884	ppbv #	65
32) 1,1,1-Trichloroethane	6.53	97	85301	0.327	ppbv #	92
34) 2-Butanone	5.26	43	1326067	8.162	ppbv #	74
35) Carbon Tetrachloride	7.04	117	12317m	0.048	ppbv	
36) Benzene	6.91	78	341447	0.957	ppbv #	89
38) Trichloroethene	7.86	130	12839	0.065	ppbv #	77
40) 1,4-Dioxane	7.86	88	45001	0.702	ppbv #	1
44) 2,2,4-Trimethylpentane	7.89	57	489016	1.049	ppbv #	88
50) 4-Methyl-2-Pentanone	8.78	43	142600	0.612	ppbv #	83
52) Tetrachloroethene	11.25	164	331863	1.524	ppbv #	82
53) Toluene	9.83	91	2762196	6.009	ppbv	100
58) Ethyl Benzene	12.74	91	1664806	2.841	ppbv	92
59) m/p-Xylene	13.00	91	4539331	9.165	ppbv #	81
60) o-Xylene	13.72	91	2225124	4.623	ppbv	88
61) Styrene	13.56	104	34413	0.088	ppbv	91
62) Isopropylbenzene	14.70	105	381187	0.483	ppbv	95
64) n-propylbenzene	15.60	120	696093	2.863	ppbv #	63
65) tert-Butylbenzene	16.80	119	1526015	1.991	ppbv #	90
67) sec-Butylbenzene	17.33	105	282134	0.280	ppbv	94
69) p-Isopropyltoluene	17.69	119	303278	0.339	ppbv #	83
70) n-Butylbenzene	18.59	91	965782	1.142	ppbv #	49
72) 4-Ethyltoluene	15.88	105	3626962	5.741	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.03	105	3374690	5.741	ppbv #	85
74) 1,2,4-Trimethylbenzene	16.80	105	9945441	15.572	ppbv #	68
79) Naphthalene	22.25	128	1835243	2.041	ppbv	98
80) Naphthalene,2-methyl-	25.00	142	430546	1.158	ppbv	99

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K-1

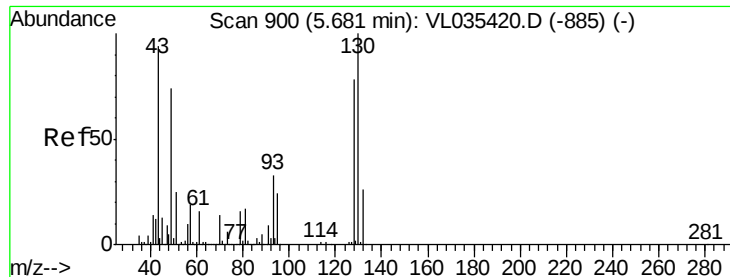
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
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QLast Update : Mon Aug 17 19:28:30 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Instrument :

MSVOA_L

ClientSampled :

K-1

Tot Ion: 49 Resp: 1095449

Ion Ratio Lower Upper

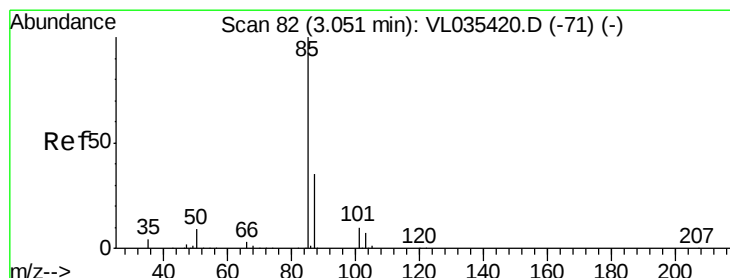
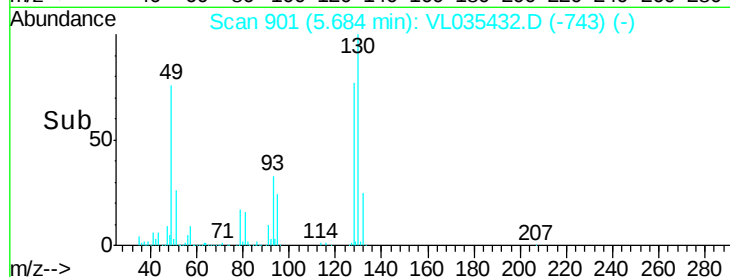
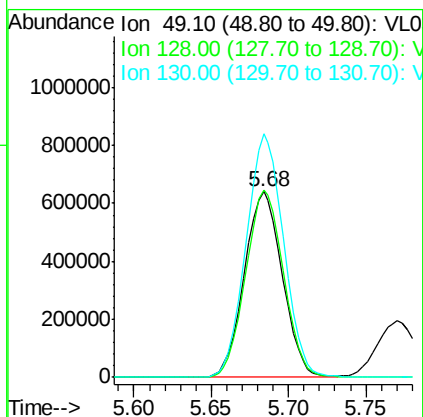
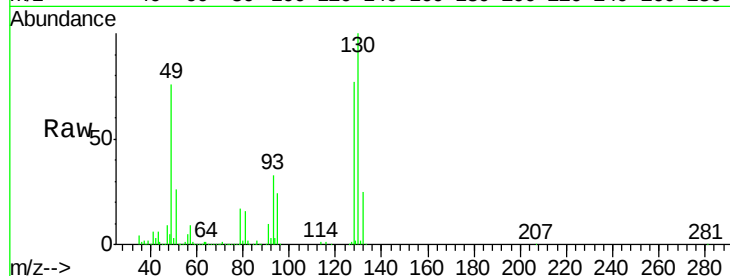
49 100

128 100.9 20.9 62.7#

130 130.1 26.7 80.1#

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#2

Dichlorodifluoromethane

Concen: 0.235 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL035432.D

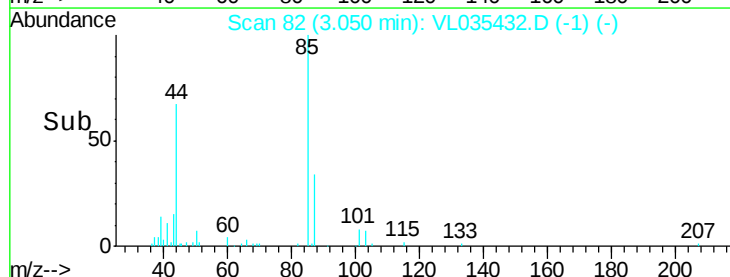
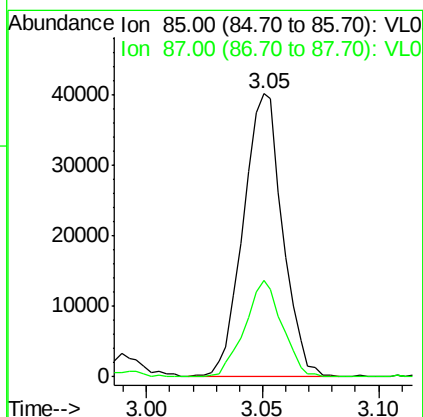
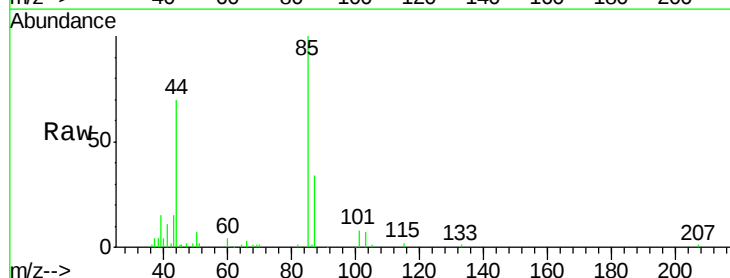
Acq: 18 Aug 2020 1:09

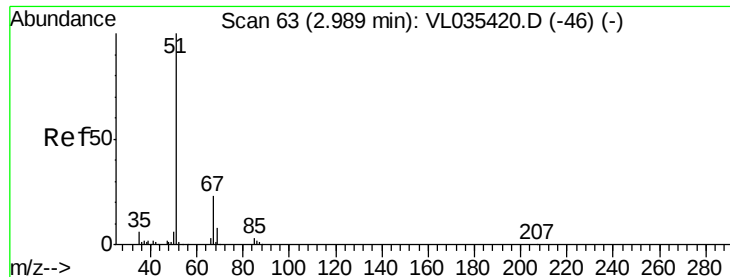
Tgt Ion: 85 Resp: 47634

Ion Ratio Lower Upper

85 100

87 33.9 27.1 40.7





#3

Chlorodifluoromethane

Concen: 1.049 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Instrument :

MSVOA_L

ClientSampleId :

K-1

Tot Ion: 51 Resp: 144036

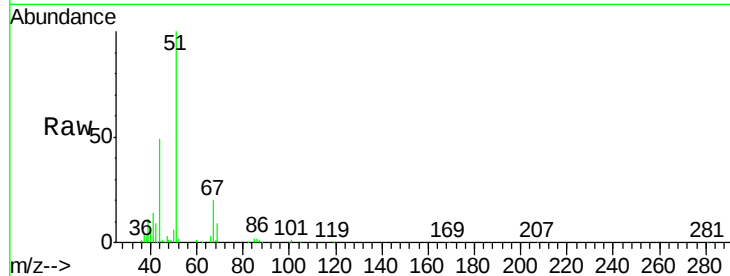
Ion Ratio Lower Upper

51 100

67 20.8 15.0 22.6

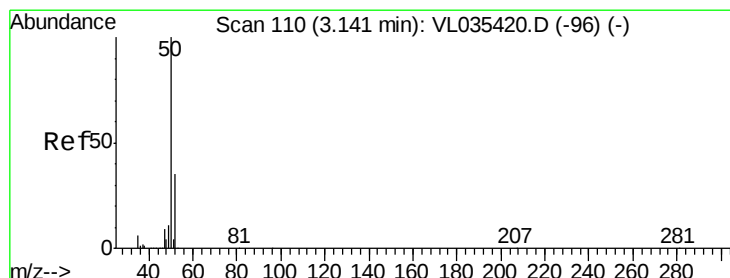
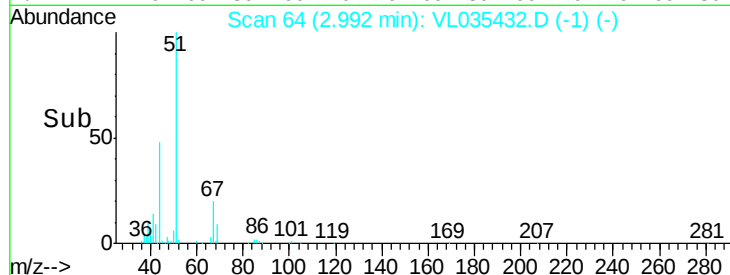
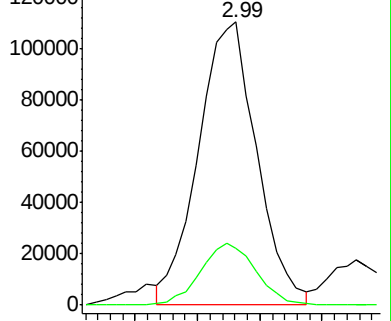
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.475 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL035432.D

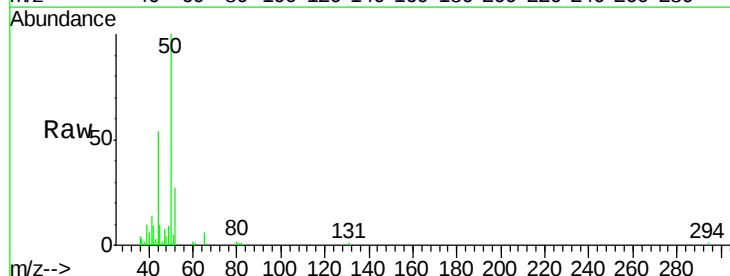
Acq: 18 Aug 2020 1:09

Tgt Ion: 50 Resp: 34008

Ion Ratio Lower Upper

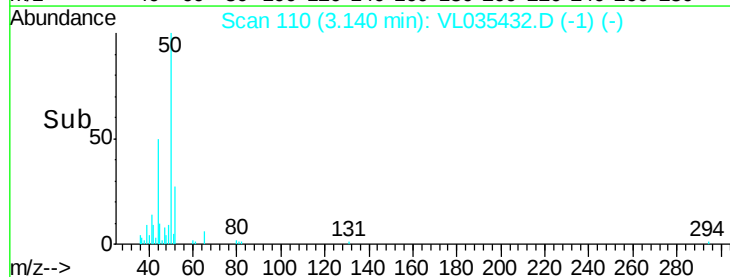
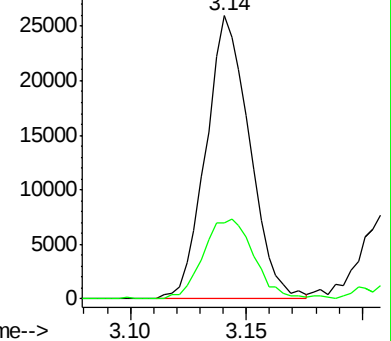
50 100

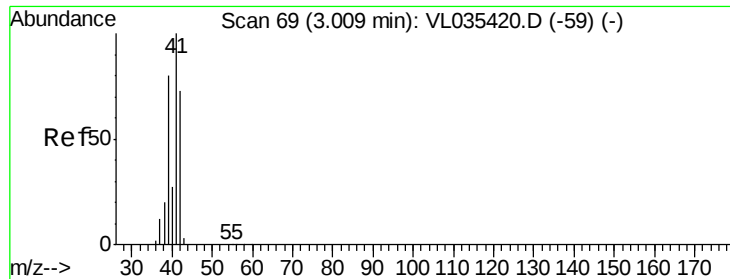
52 27.0 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





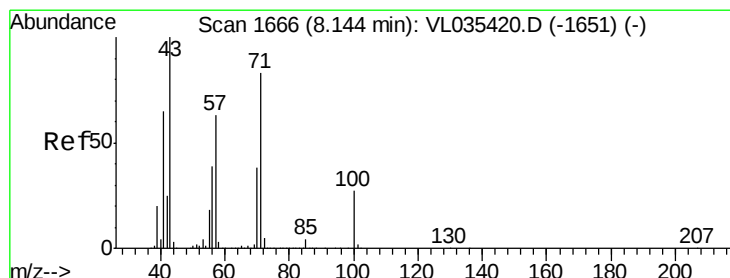
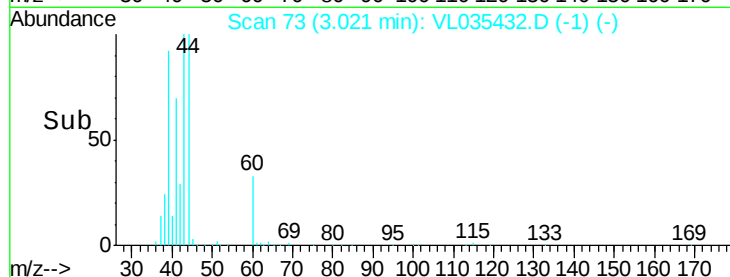
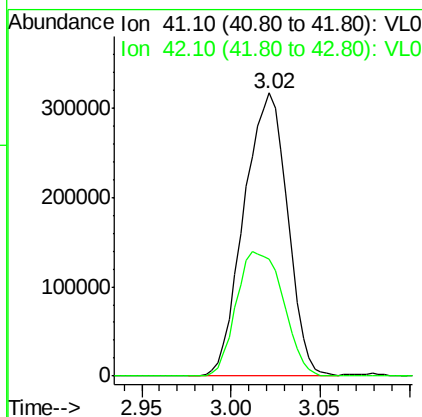
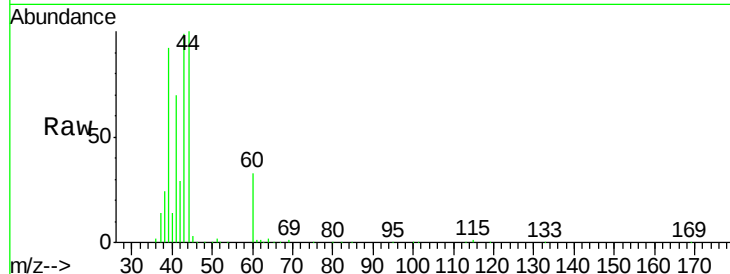
#9
 Propene
 Concen: 9.806 ppbv
 RT: 3.02 min Scan# 73
 Delta R.T. 0.02 min
 Lab File: VL035432.D
 Acq: 18 Aug 2020 1:09

Instrument :
 MSVOA_L
 ClientSampleId :
 K-1

Tot Ion: 41 Resp: 541369
 Ion Ratio Lower Upper
 41 100
 42 47.7 55.5 83.3#

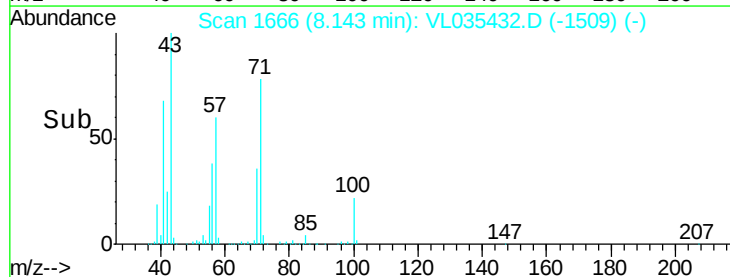
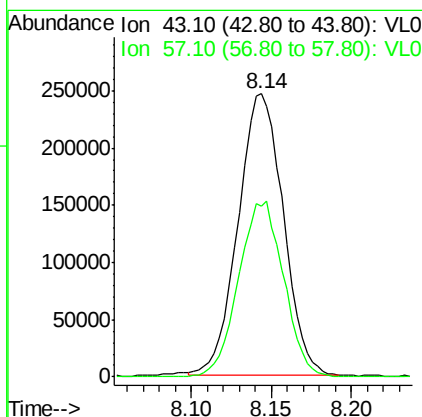
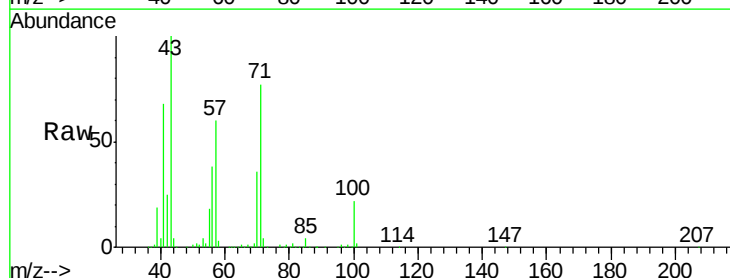
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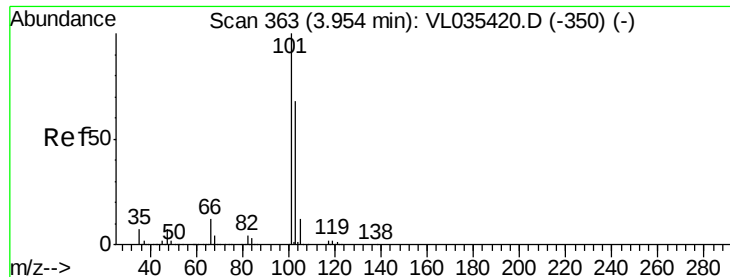
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#10
 Heptane
 Concen: 3.296 ppbv
 RT: 8.14 min Scan# 1666
 Delta R.T. 0.01 min
 Lab File: VL035432.D
 Acq: 18 Aug 2020 1:09

Tgt Ion: 43 Resp: 477161
 Ion Ratio Lower Upper
 43 100
 57 61.8 39.8 59.6#





#11

Trichlorofluoromethane

Concen: 0.554 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Instrument :

MSVOA_L

ClientSampled :

K-1

Tot Ion:101 Resp: 176406

Ion Ratio Lower Upper

101 100

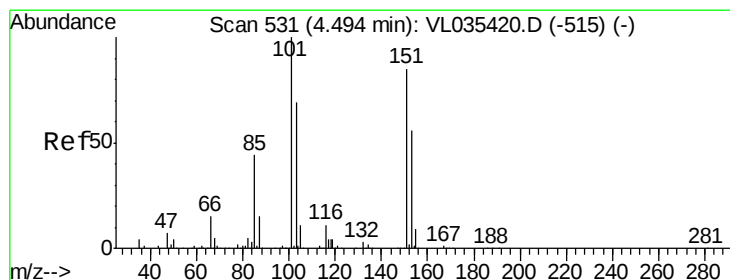
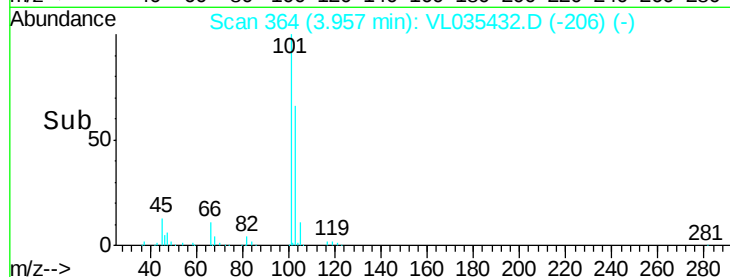
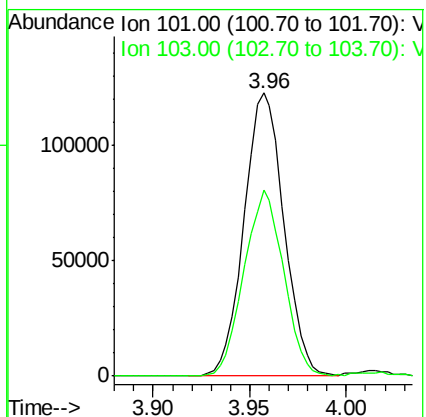
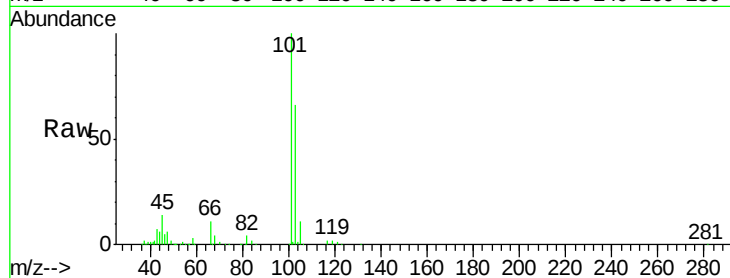
103 65.6 52.6 78.8

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.074 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL035432.D

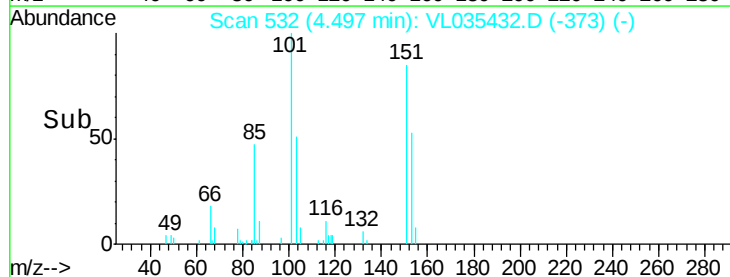
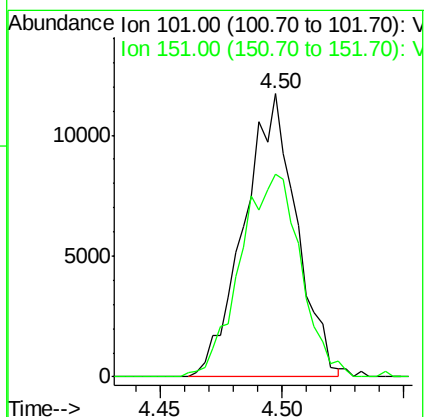
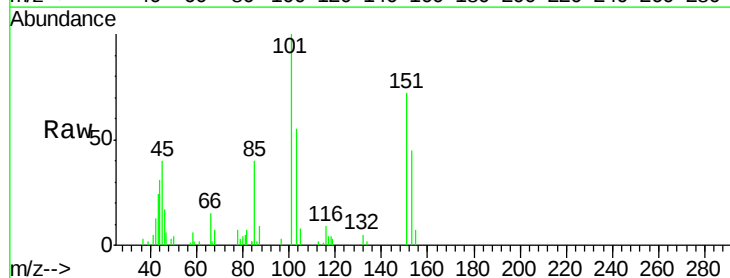
Acq: 18 Aug 2020 1:09

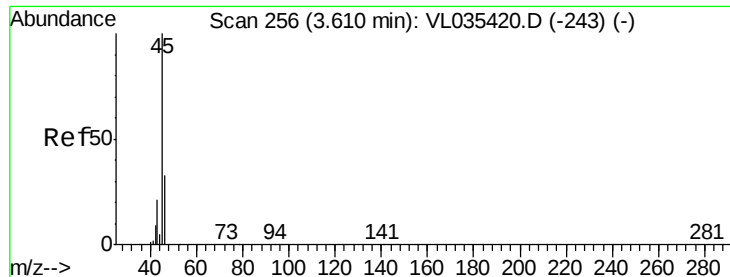
Tgt Ion:101 Resp: 17485

Ion Ratio Lower Upper

101 100

151 82.6 53.6 80.4#





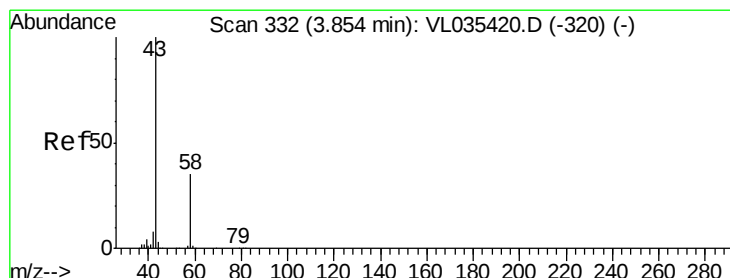
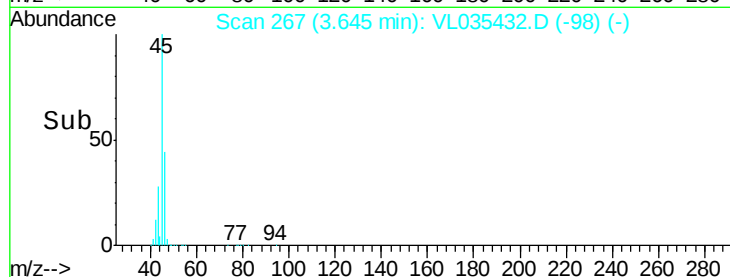
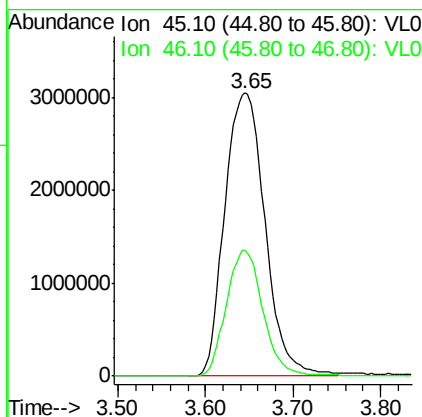
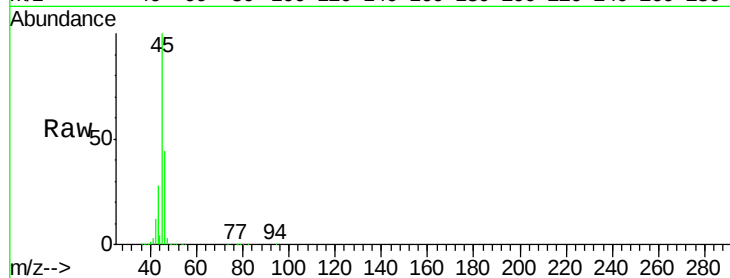
#13
Ethanol
Concen: 481.498 ppbv
RT: 3.65 min Scan# 267
Delta R.T. 0.04 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Instrument :
MSVOA_L
ClientSampleId :
K-1

Tot Ion: 45 Resp: 9739194
Ion Ratio Lower Upper
45 100
46 41.1 14.2 56.6

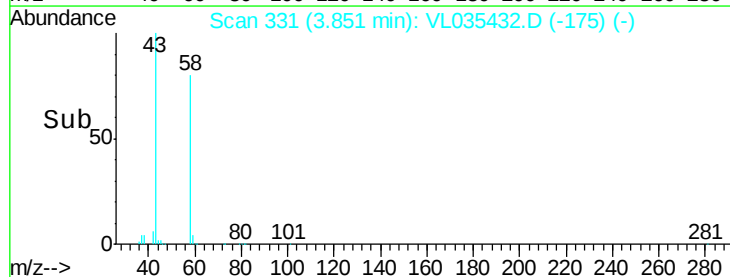
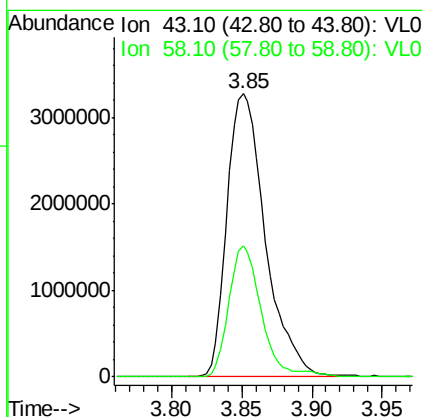
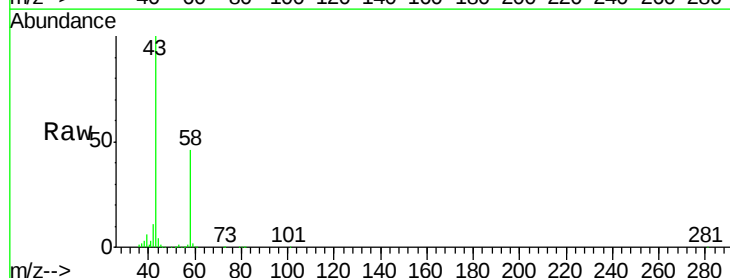
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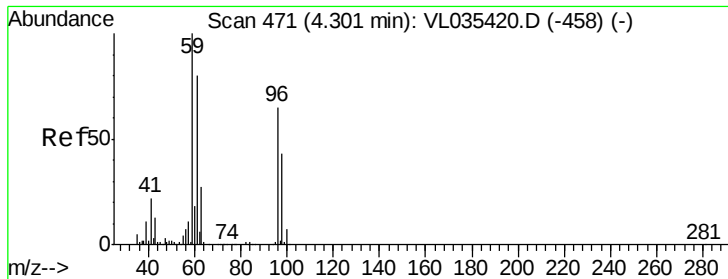
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#15
Acetone
Concen: 49.148 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Tgt Ion: 43 Resp: 6196809
Ion Ratio Lower Upper
43 100
58 39.7 21.0 31.6#





#17

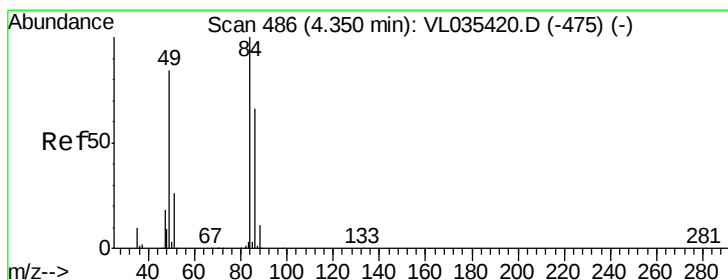
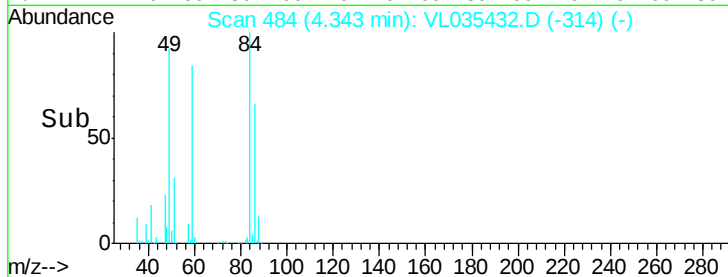
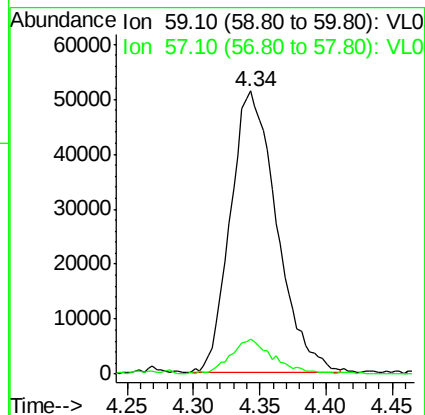
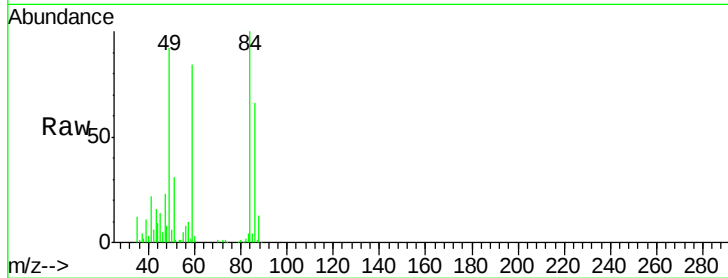
tert-Butyl alcohol
 Concen: 0.764 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. 0.05 min
 Lab File: VL035432.D
 Acq: 18 Aug 2020 1:09

Instrument :
 MSVOA_L
 ClientSampled :
 K-1

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

Manual Integrations
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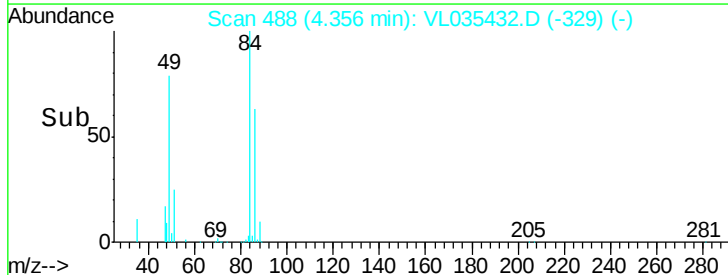
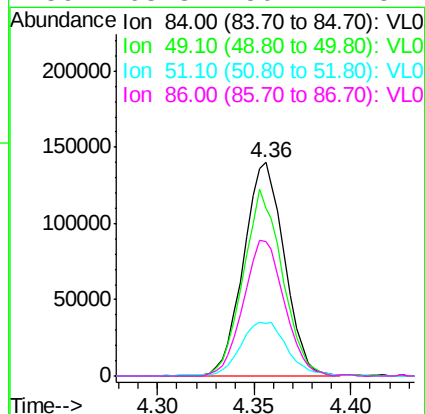
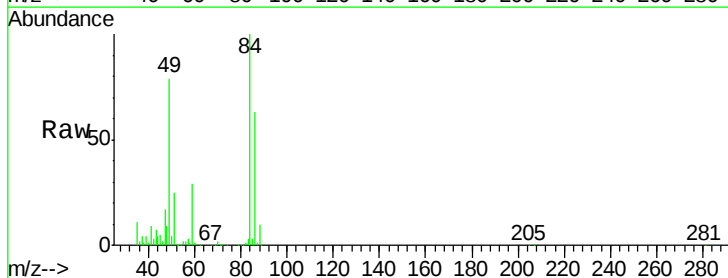
MMDadoda
 8/20/2020 11:05:58 AM

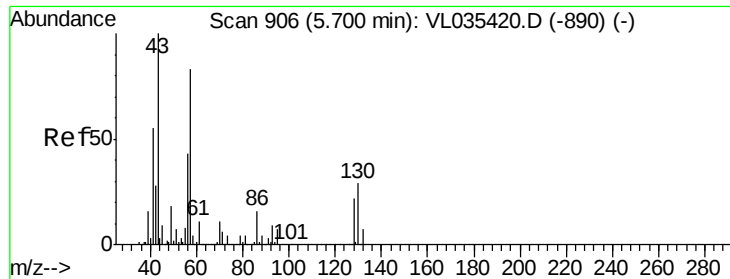


#20

Methylene Chloride
 Concen: 2.012 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.01 min
 Lab File: VL035432.D
 Acq: 18 Aug 2020 1:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	78.6	118.6	177.8#
51	24.2	36.4	54.6#
86	63.3	50.2	75.4





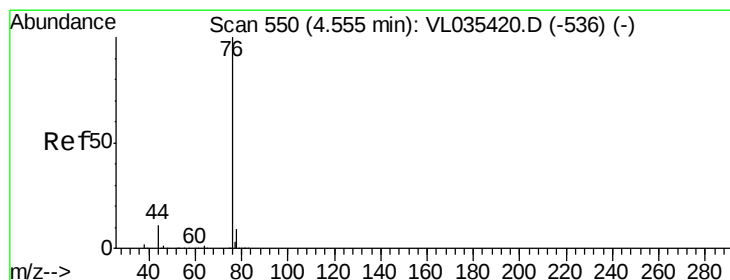
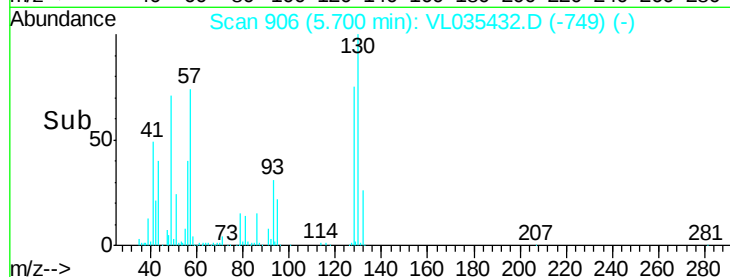
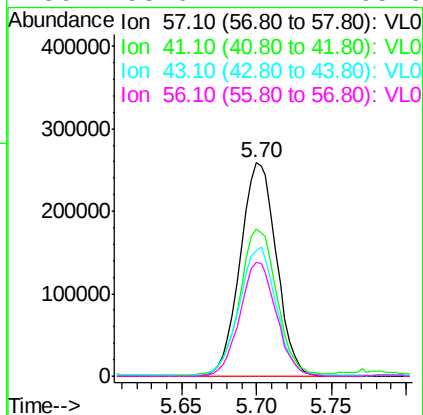
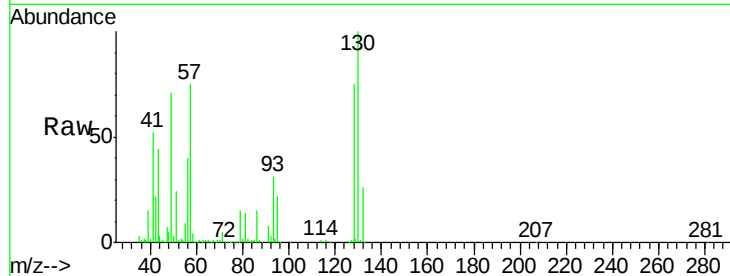
#26
Hexane
Concen: 3.151 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Instrument :
MSVOA_L
ClientSampleId :
K-1

Tot Ion	Ratio	Lower	Upper
57	100		
41	70.2	75.5	113.3#
43	61.0	181.7	272.5#
56	53.6	42.4	63.6

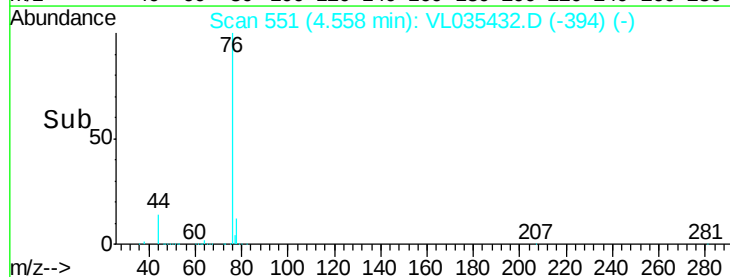
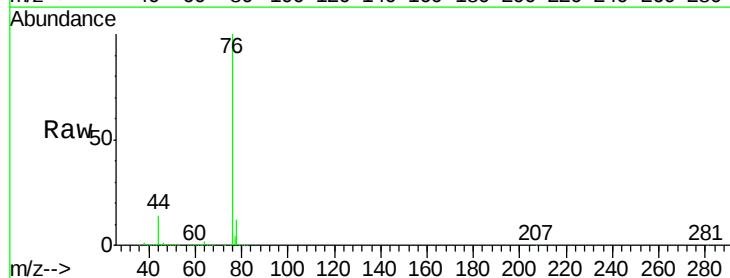
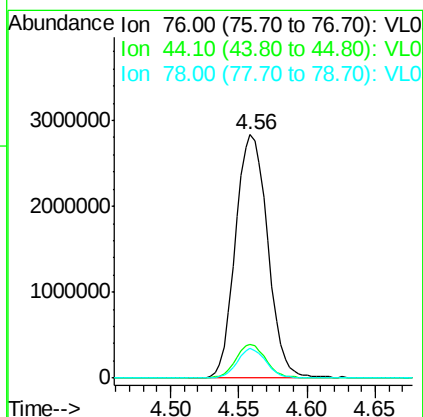
Manual Integrations
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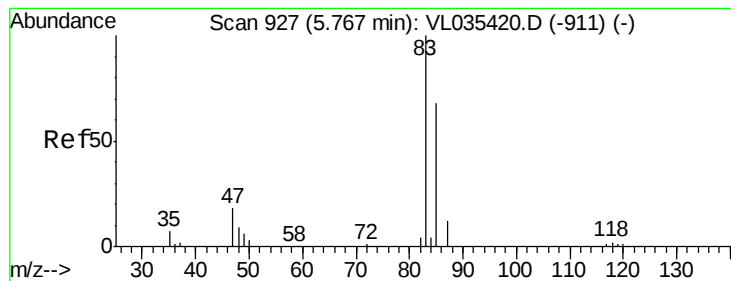
MMDadoda
8/20/2020 11:05:58 AM



#27
Carbon Disulfide
Concen: 23.348 ppbv
RT: 4.56 min Scan# 551
Delta R.T. 0.01 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Tgt Ion	Ratio	Lower	Upper
76	100		
44	12.9	16.8	25.2#
78	10.9	7.3	10.9#





#29

Chloroform

Concen: 17.807 ppbv

RT: 5.77 min Scan# 928

Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Instrument :

MSVOA_L

ClientSampled :

K-1

Tot Ion: 83 Resp: 4953872

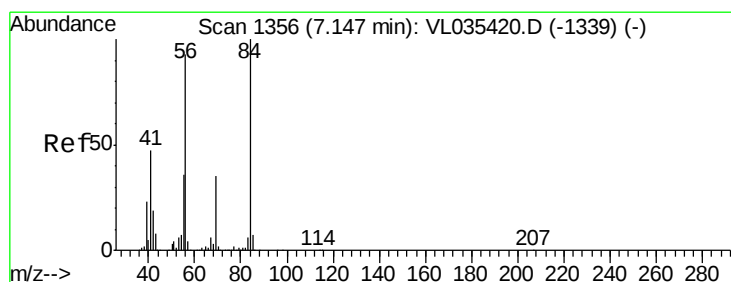
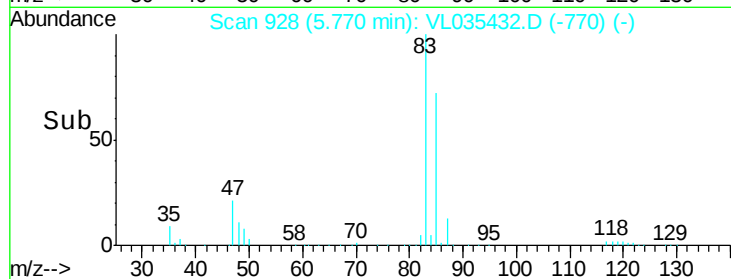
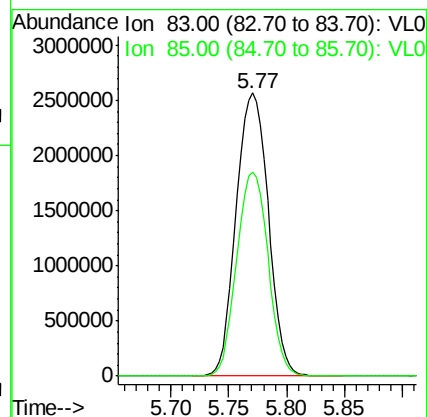
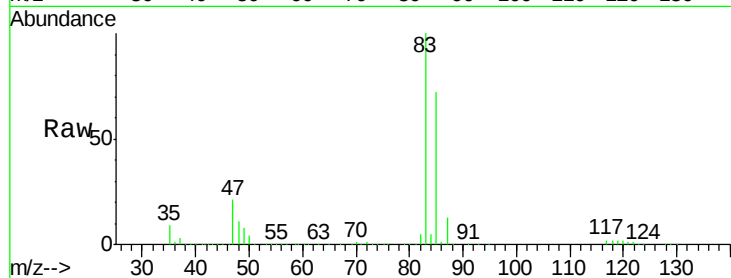
Ion Ratio Lower Upper

83 100

85 72.2 52.7 79.1

Manual Integrations
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8/20/2020 11:05:58 AM



#30

Cyclohexane

Concen: 0.884 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

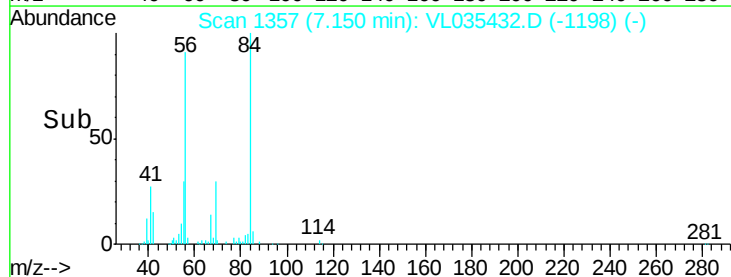
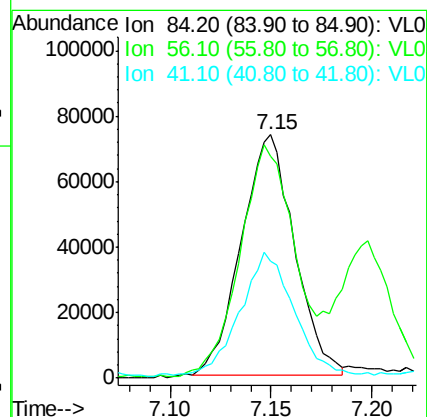
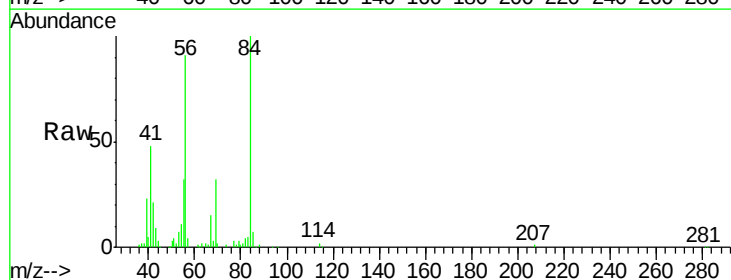
Tgt Ion: 84 Resp: 135733

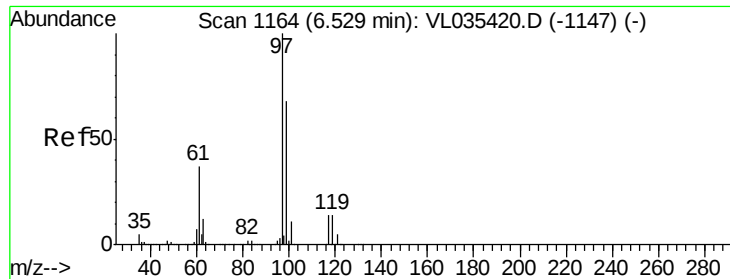
Ion Ratio Lower Upper

84 100

56 103.6 114.9 172.3#

41 52.8 72.3 108.5#





#32

1,1,1-Trichloroethane

Concen: 0.327 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Instrument :

MSVOA_L

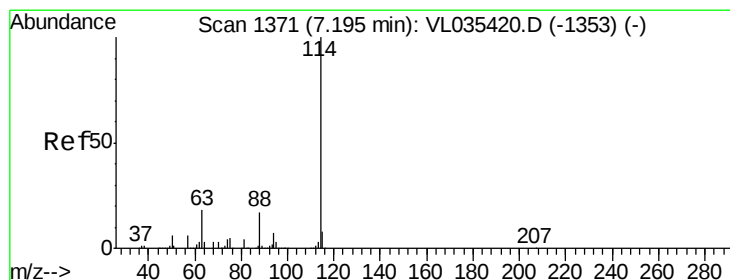
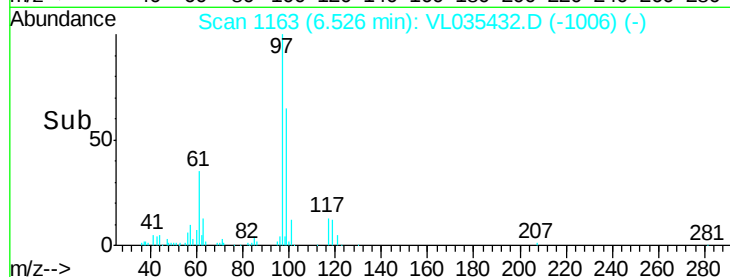
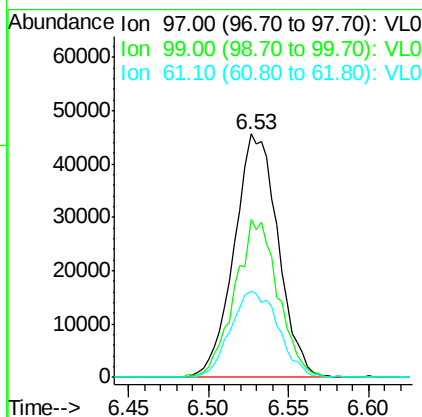
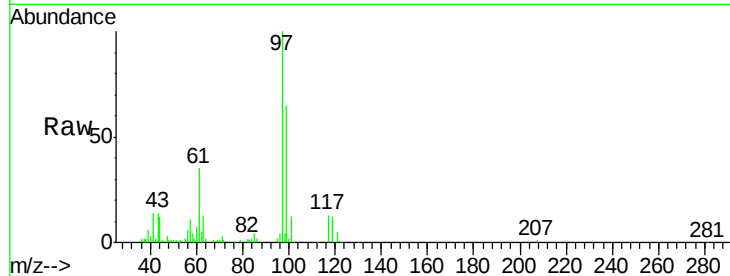
ClientSampleId :

K-1

Tot Ion:	97	Resp:	85301
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.4	77.0
61	38.7	41.0	61.6#

Manual Integrations
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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

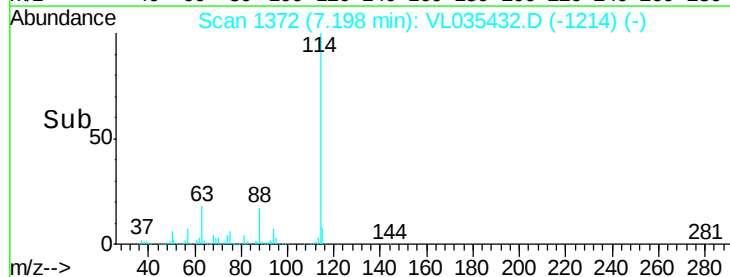
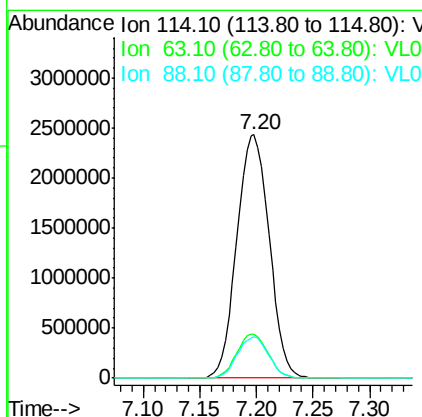
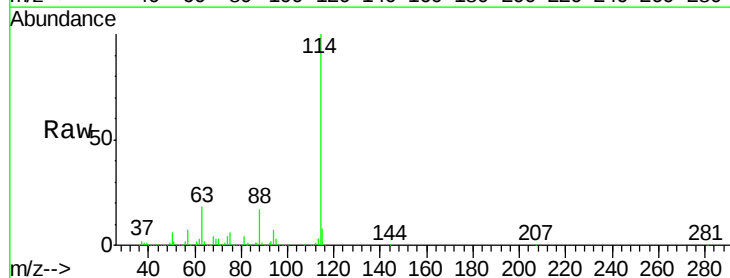
RT: 7.20 min Scan# 1372

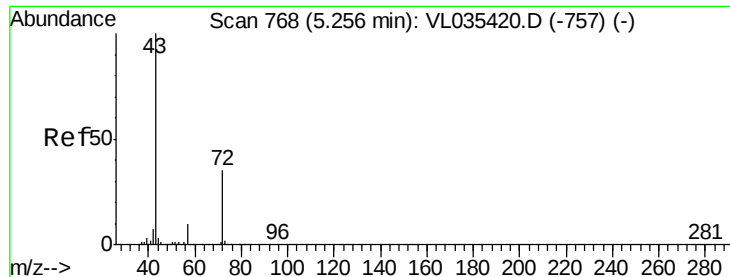
Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Tgt Ion:	114	Resp:	4862742
Ion Ratio	Lower	Upper	
114	100		
63	17.6	23.1	34.7#
88	16.4	15.9	23.9





#34

2-Butanone

Concen: 8.162 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Instrument :

MSVOA_L

ClientSampleId :

K-1

Tot Ion: 43 Resp: 1326067

Ion Ratio Lower Upper

43 100

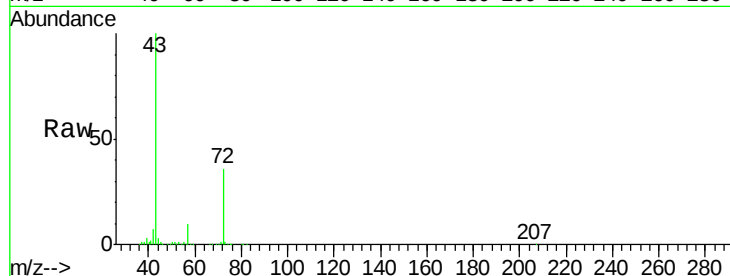
72 34.4 17.6 26.4#

Manual Integrations

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MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

5.26

800000

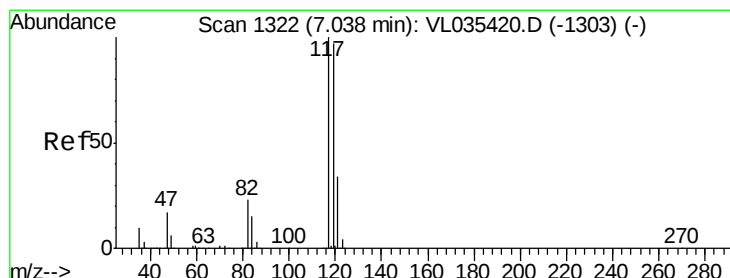
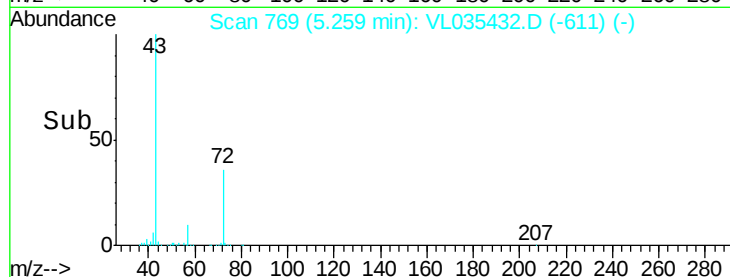
600000

400000

200000

0

Time-->



#35

Carbon Tetrachloride

Concen: 0.048 ppbv m

RT: 7.04 min Scan# 1324

Delta R.T. 0.02 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

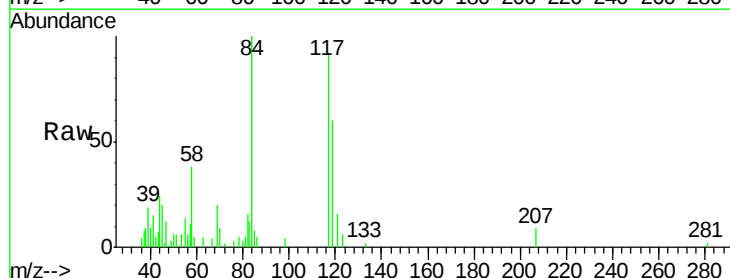
Tgt Ion: 117 Resp: 12317

Ion Ratio Lower Upper

117 100

119 64.5 76.1 114.1#

121 17.2 25.5 38.3#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

7.04

10000

8000

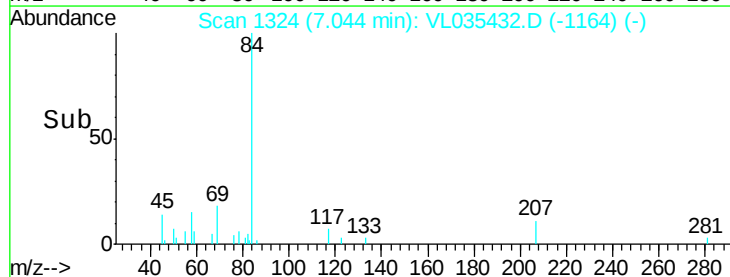
6000

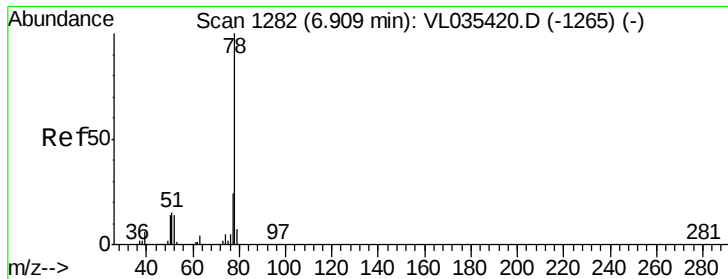
4000

2000

0

Time-->





#36

Benzene

Concen: 0.957 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Instrument :

MSVOA_L

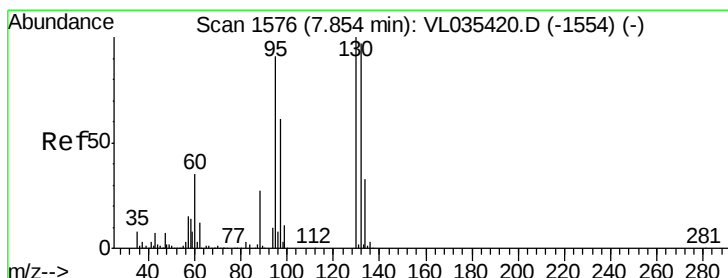
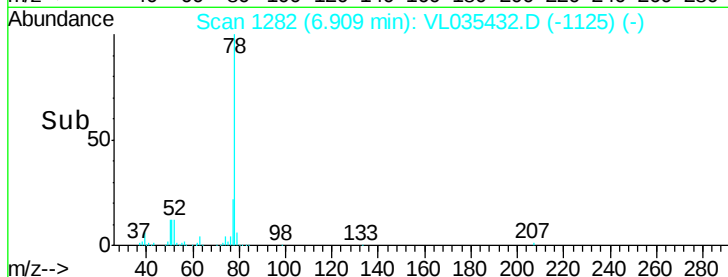
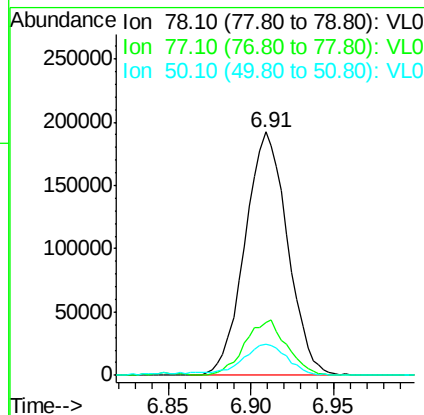
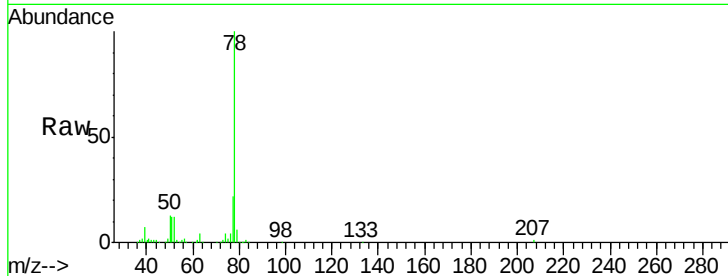
ClientSampled :

K-1

Tot Ion:	78	Resp:	341447
Ion Ratio	Lower	Upper	
78	100		
77	21.6	19.6	29.4
50	12.3	16.3	24.5#

Manual Integrations
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#38

Trichloroethene

Concen: 0.065 ppbv

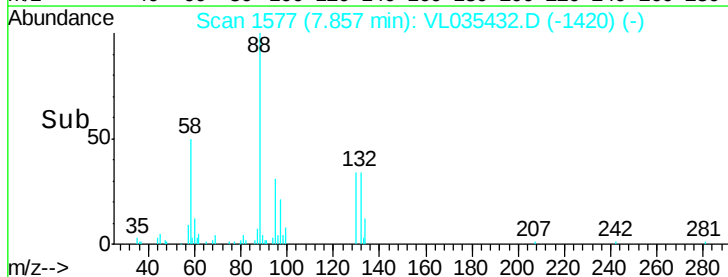
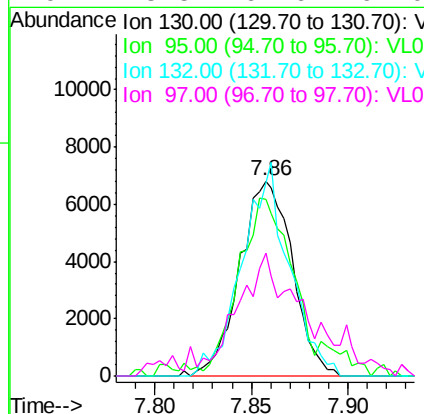
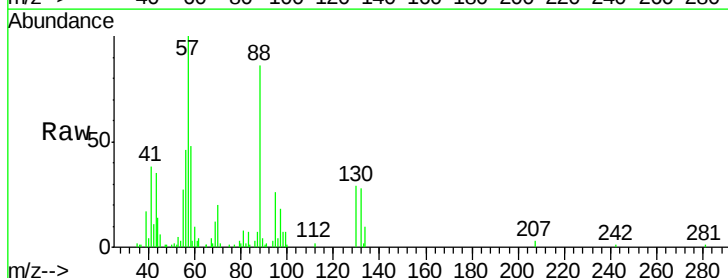
RT: 7.86 min Scan# 1577

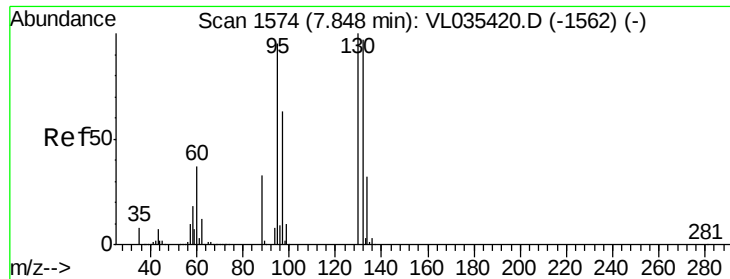
Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Tgt Ion:	130	Resp:	12839
Ion Ratio	Lower	Upper	
130	100		
95	87.4	95.8	143.8#
132	99.3	74.3	111.5
97	48.5	62.6	94.0#





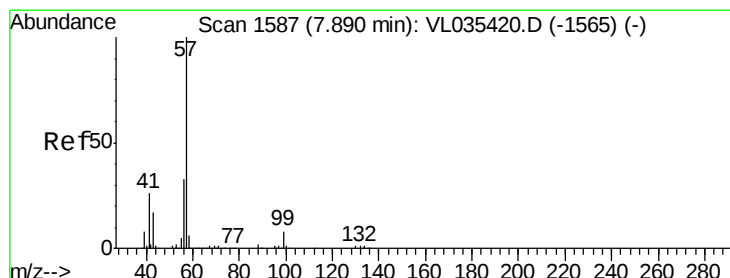
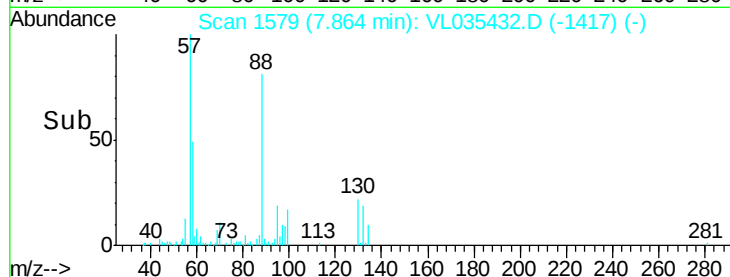
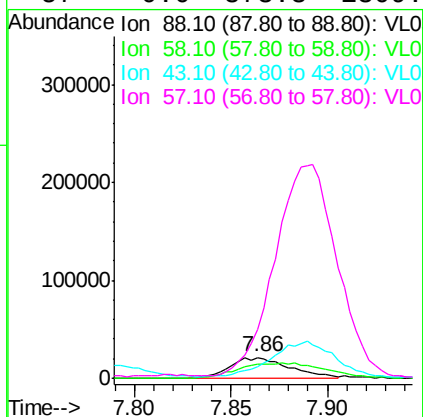
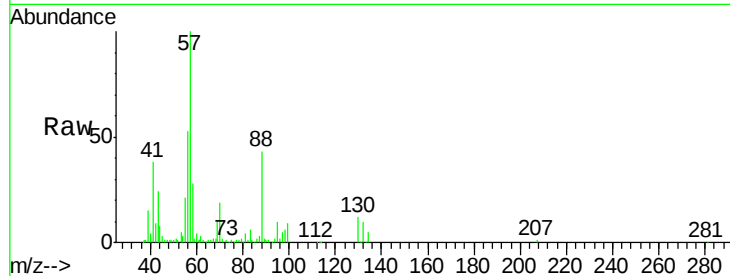
#40
 1,4-Dioxane
 Concen: 0.702 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VL035432.D
 Acq: 18 Aug 2020 1:09

Instrument :
 MSVOA_L
 ClientSampleId :
 K-1

Tot Ion	Ratio	Lower	Upper
88	100		
58	0.0	106.6	160.0#
43	80.4	209.7	314.5#
57	0.0	873.3	1309.9#

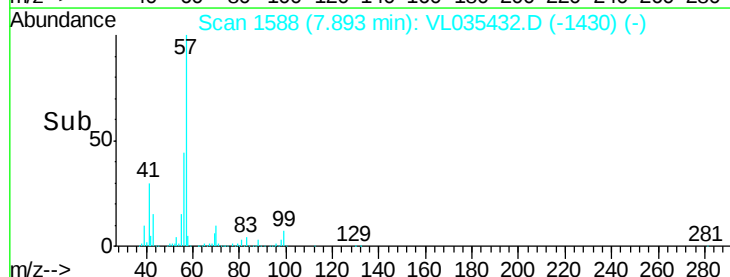
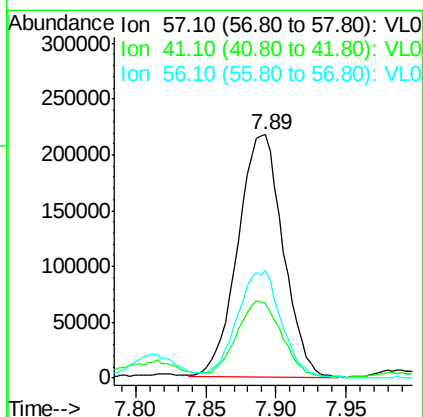
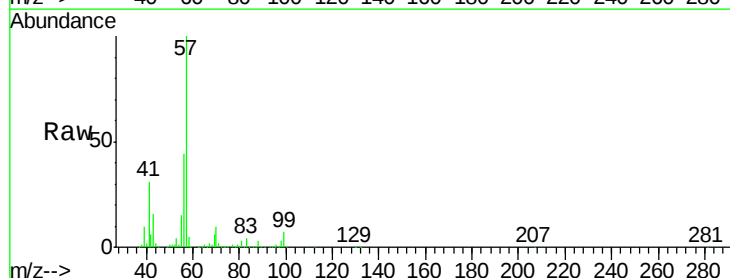
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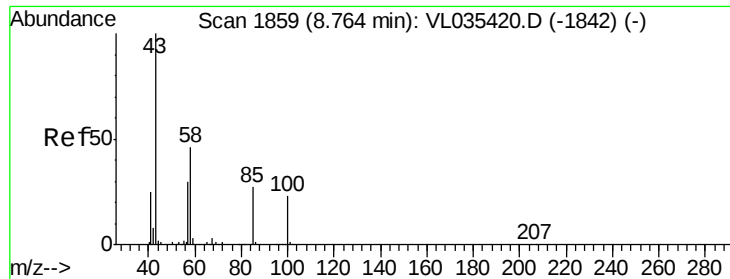
MMDadoda
 8/20/2020 11:05:58 AM



#44
 2,2,4-Trimethylpentane
 Concen: 1.049 ppbv
 RT: 7.89 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: VL035432.D
 Acq: 18 Aug 2020 1:09

Tgt Ion	Ratio	Lower	Upper
57	100		
41	31.0	27.2	40.8
56	43.0	25.4	38.0#





#50

4-Methyl-2-Pentanone

Concen: 0.612 ppbv

RT: 8.78 min Scan# 1864

Delta R.T. 0.03 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Instrument :

MSVOA_L

ClientSampled :

K-1

Tot Ion: 43 Resp: 142600

Ion Ratio Lower Upper

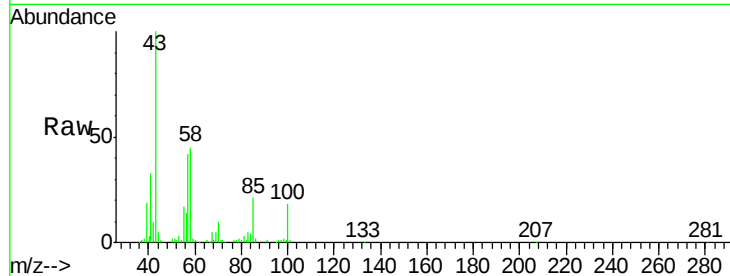
43 100

58 45.9 28.7 43.1#

Manual Integrations
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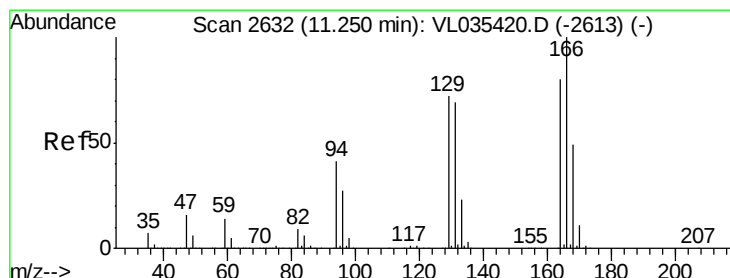
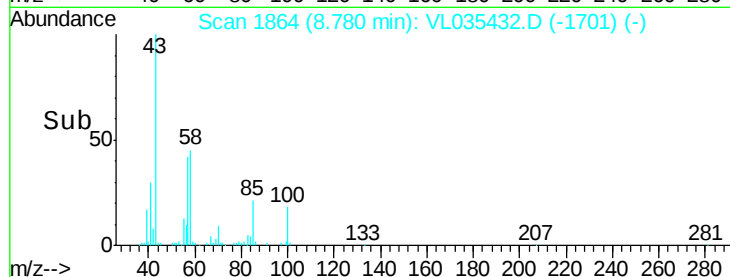
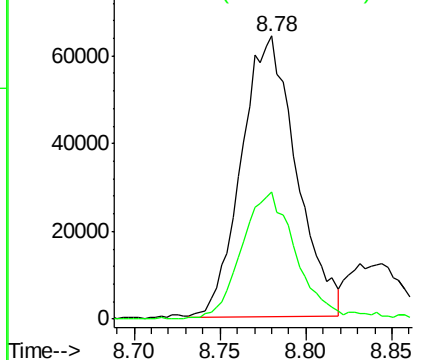
MMDadoda

8/20/2020 11:05:58 AM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#52

Tetrachloroethene

Concen: 1.524 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Tgt Ion: 164 Resp: 331863

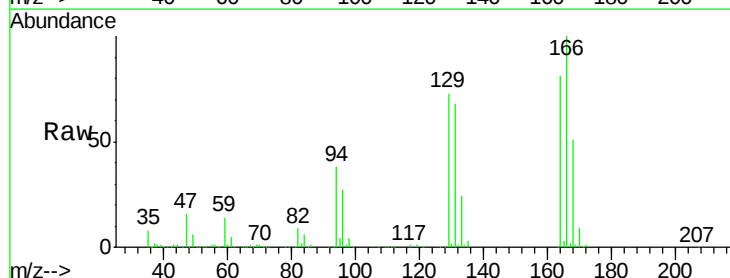
Ion Ratio Lower Upper

164 100

166 122.7 103.4 155.0

129 89.1 90.2 135.4#

131 84.0 91.7 137.5#

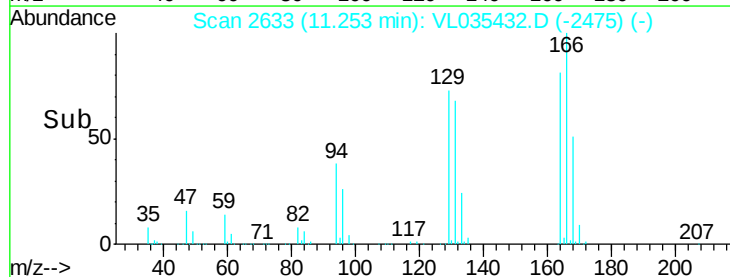
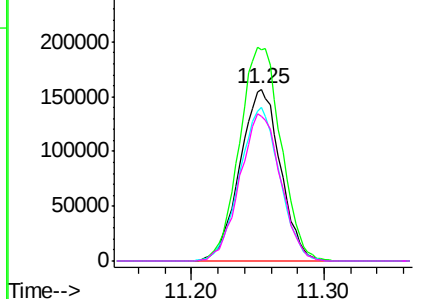


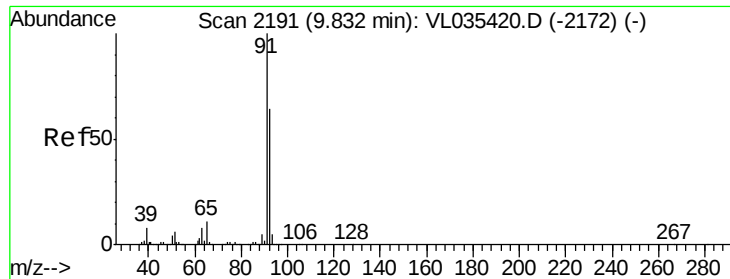
Abundance Ion 163.90 (163.60 to 164.60): V

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: 6.009 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Instrument :

MSVOA_L

ClientSampleId :

K-1

Tot Ion: 91 Resp: 2762196

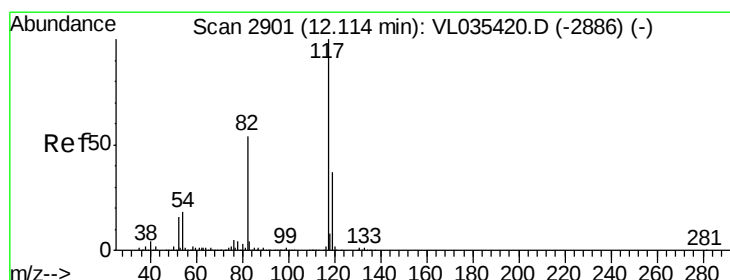
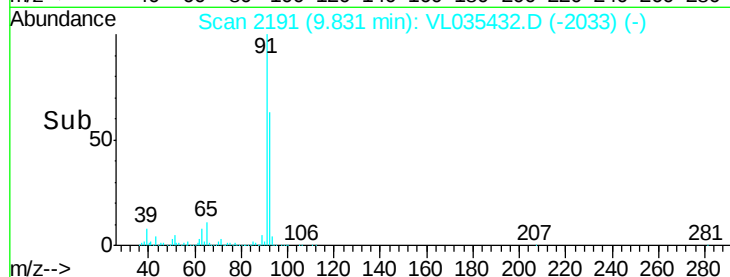
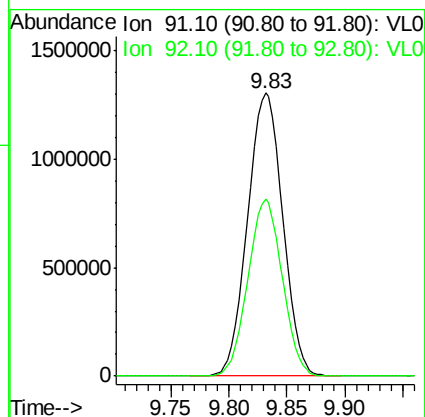
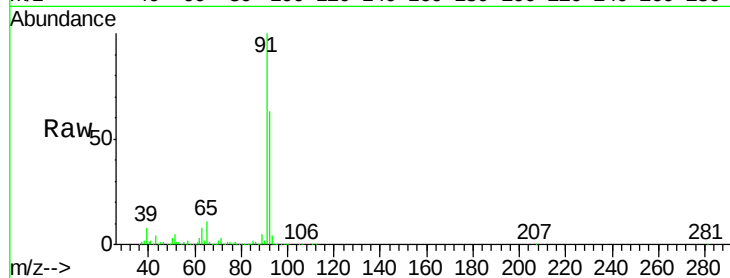
Ion Ratio Lower Upper

91 100

92 61.2 49.1 73.7

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

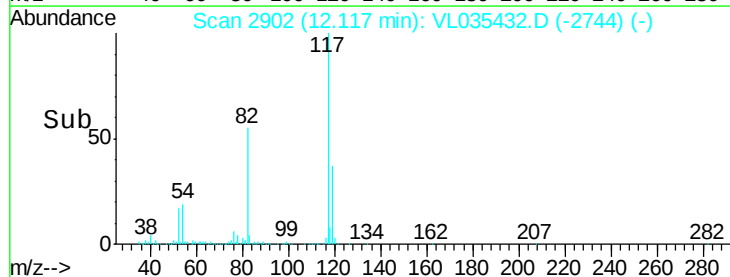
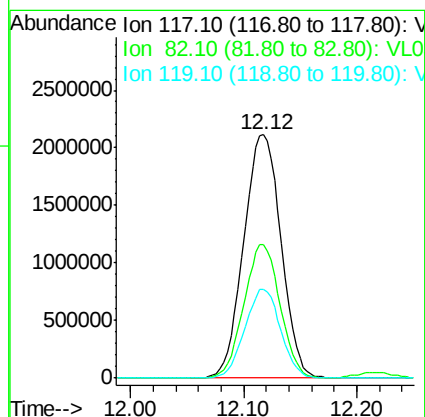
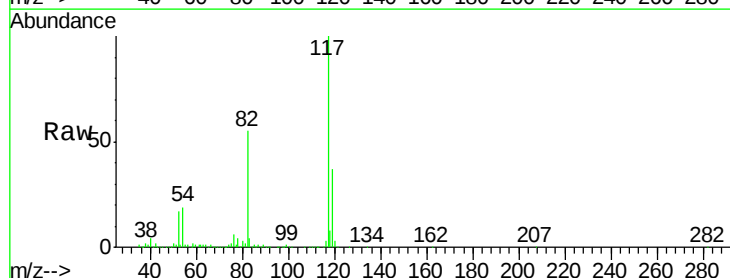
Tgt Ion: 117 Resp: 4853540

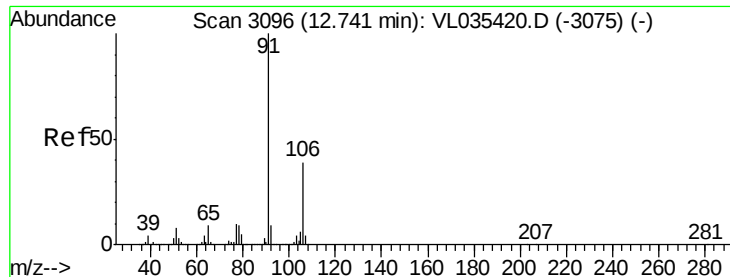
Ion Ratio Lower Upper

117 100

82 53.2 57.4 86.0#

119 35.1 28.4 42.6





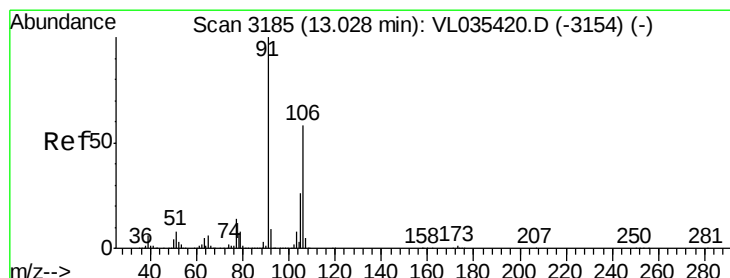
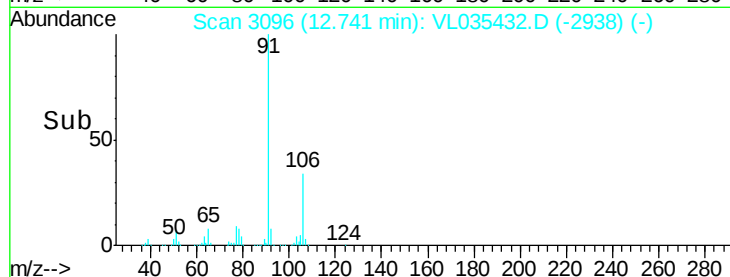
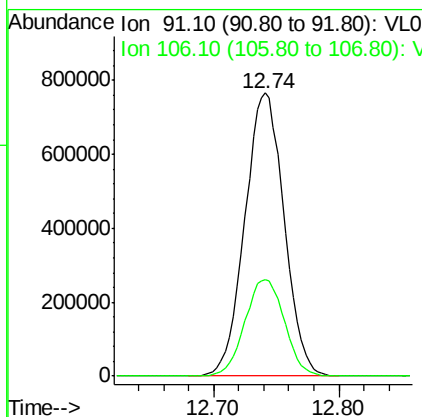
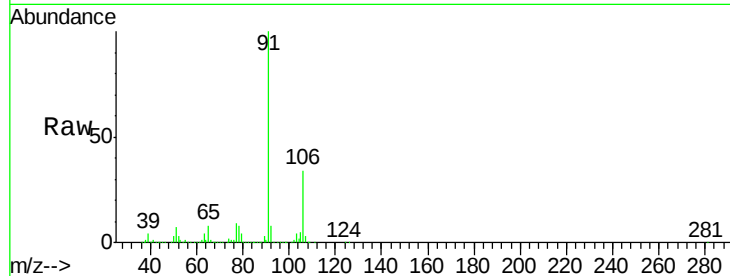
#58
Ethyl Benzene
Concen: 2.841 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.01 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Instrument :
MSVOA_L
ClientSampled :
K-1

Tot Ion: 91 Resp: 1664806
Ion Ratio Lower Upper
91 100
106 34.2 24.1 36.1

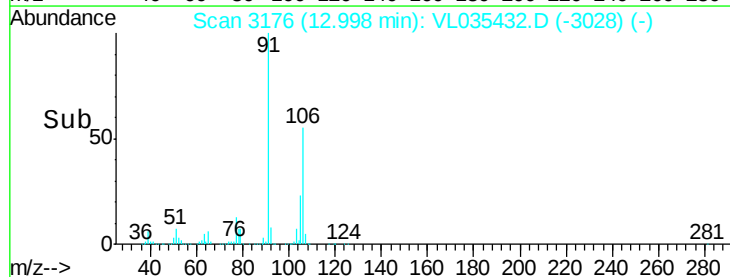
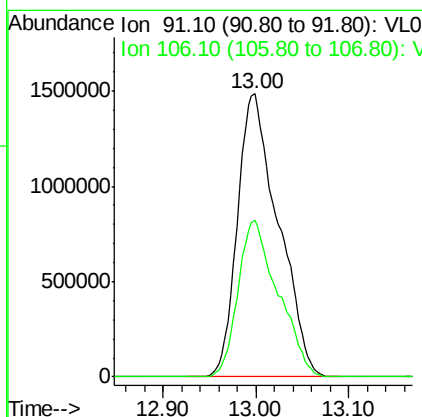
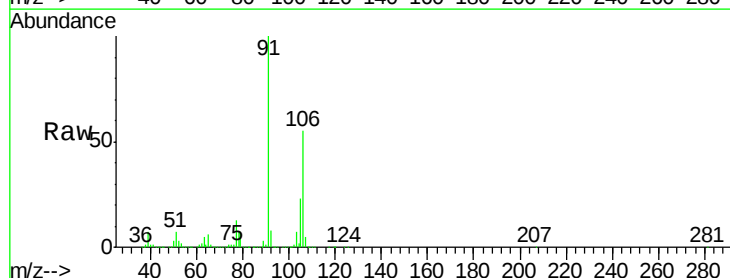
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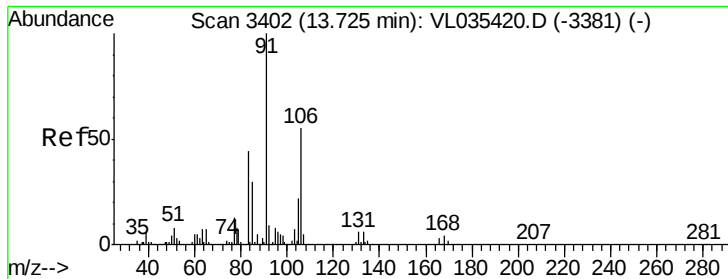
MMDadoda
8/20/2020 11:05:58 AM



#59
m/p-Xylene
Concen: 9.165 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. -0.02 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Tgt Ion: 91 Resp: 4539331
Ion Ratio Lower Upper
91 100
106 54.5 34.0 51.0#





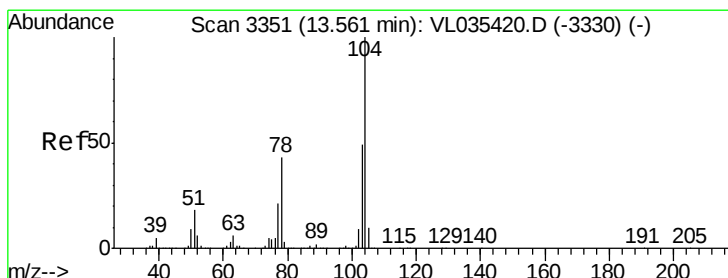
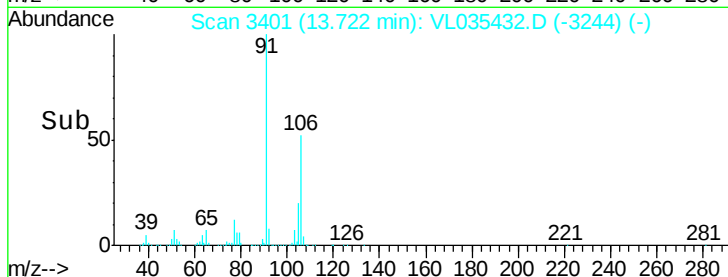
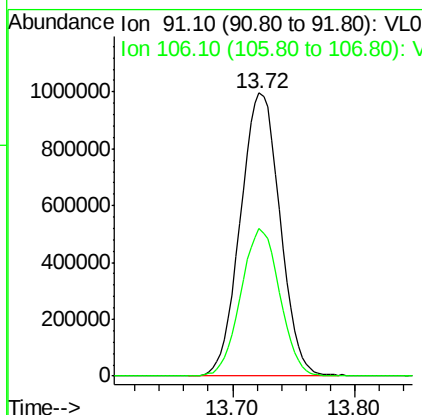
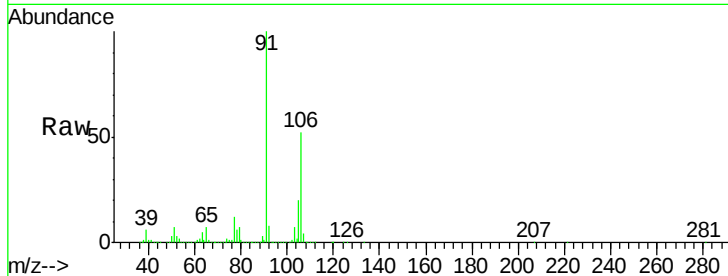
#60
o-Xylene
Concen: 4.623 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.01 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Instrument :
MSVOA_L
ClientSampled :
K-1

Tot Ion: 91 Resp: 2225124
Ion Ratio Lower Upper
91 100
106 51.5 21.8 65.3

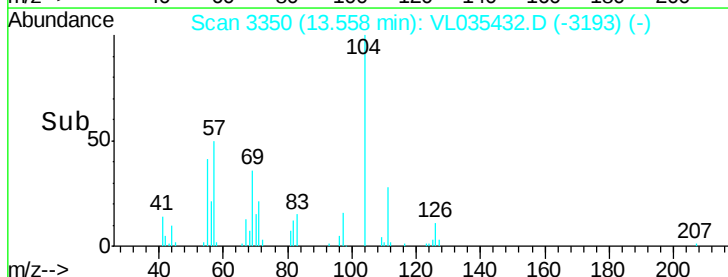
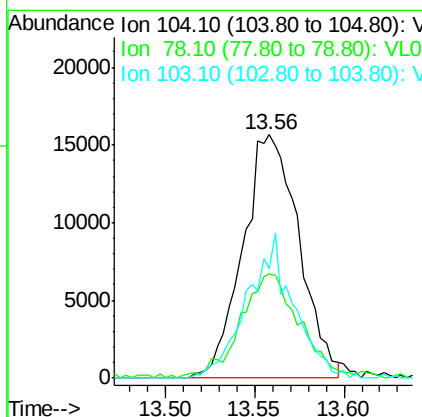
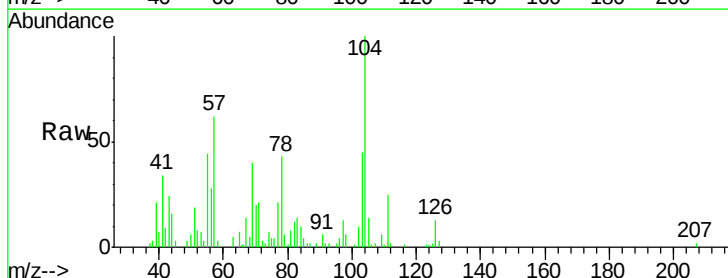
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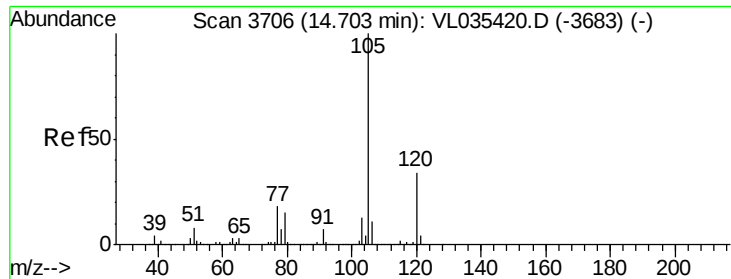
MMDadoda
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#61
Styrene
Concen: 0.088 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.01 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Tgt Ion: 104 Resp: 34413
Ion Ratio Lower Upper
104 100
78 45.8 45.4 68.2
103 48.8 37.8 56.8





#62

Isopropylbenzene

Concen: 0.483 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Instrument :

MSVOA_L

ClientSampled :

K-1

Tot Ion:105 Resp: 381187

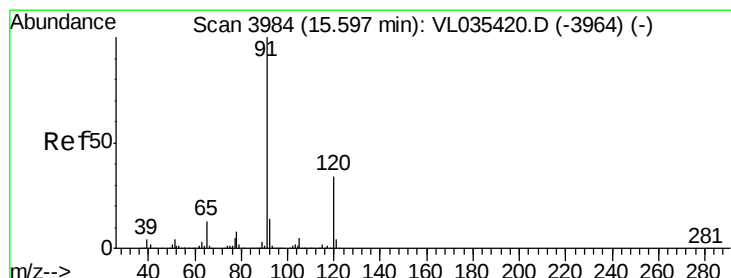
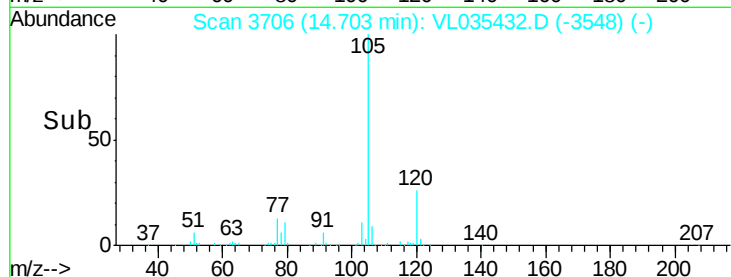
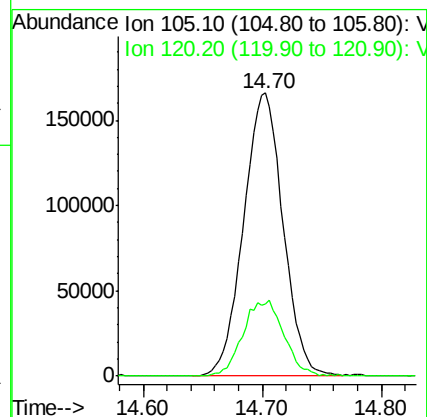
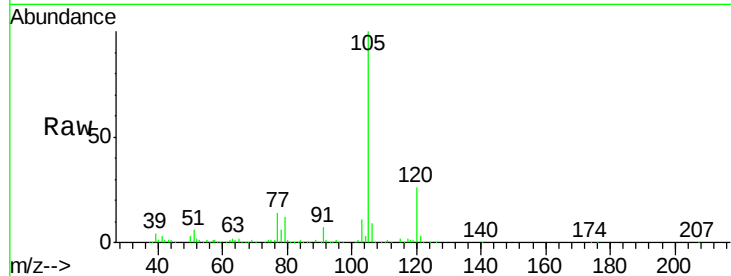
Ion Ratio Lower Upper

105 100

120 27.8 20.3 30.5

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#64

n-propylbenzene

Concen: 2.863 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. 0.01 min

Lab File: VL035432.D

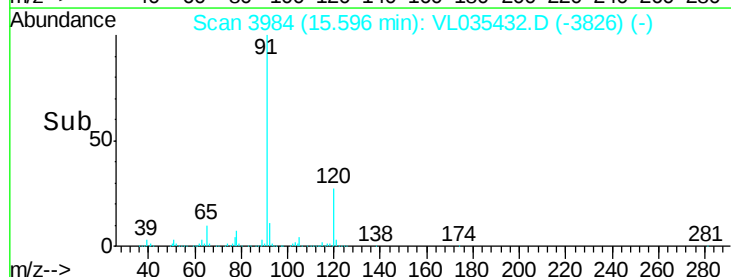
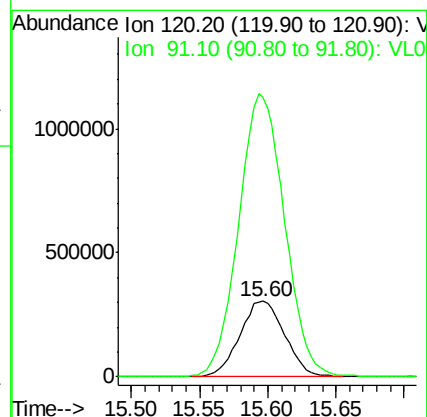
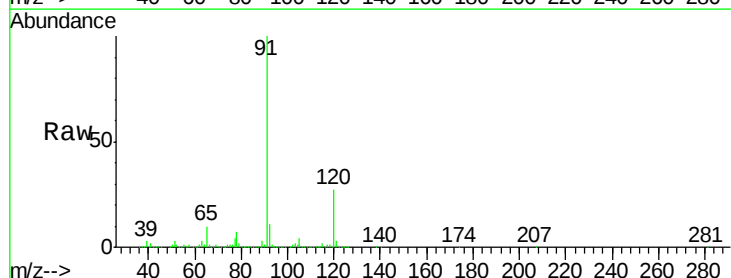
Acq: 18 Aug 2020 1:09

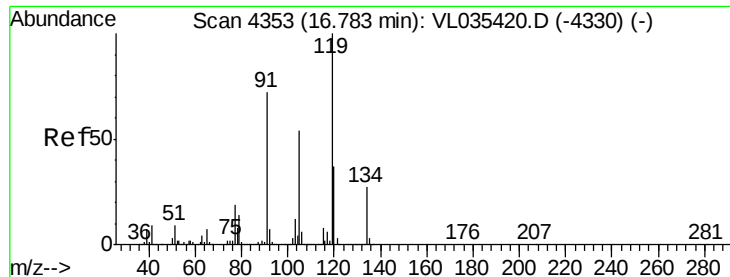
Tgt Ion:120 Resp: 696093

Ion Ratio Lower Upper

120 100

91 383.8 385.5 578.3#





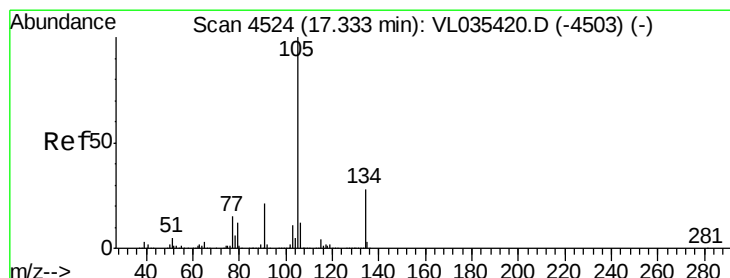
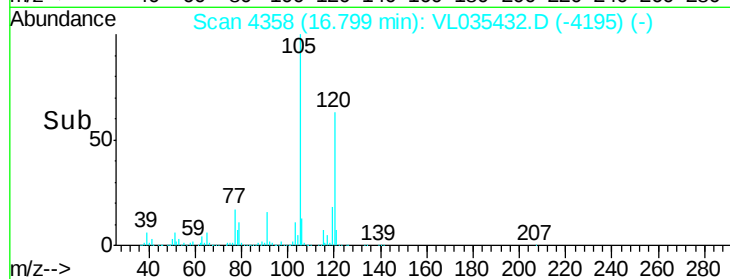
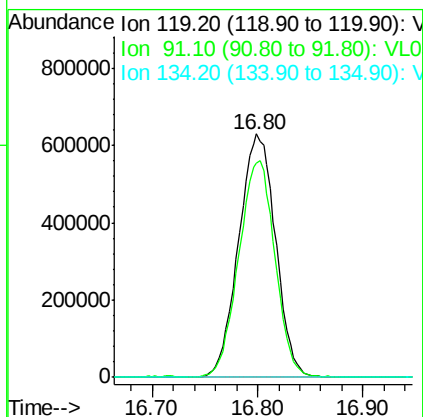
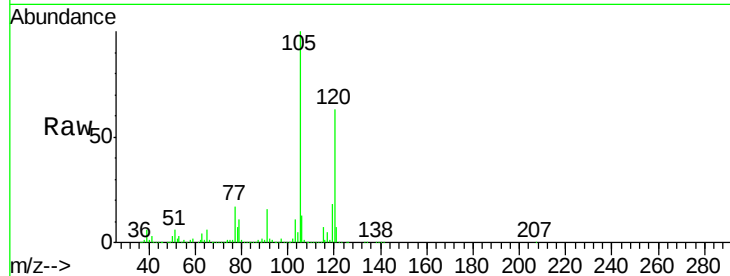
#65
tert-Butylbenzene
Concen: 1.991 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. 0.03 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Instrument :
MSVOA_L
ClientSampled :
K-1

Tot Ion	Ratio	Lower	Upper
119	100		
91	87.6	72.0	108.0
134	0.2	15.7	23.5#

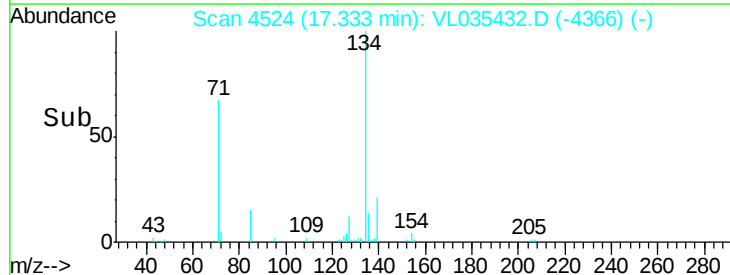
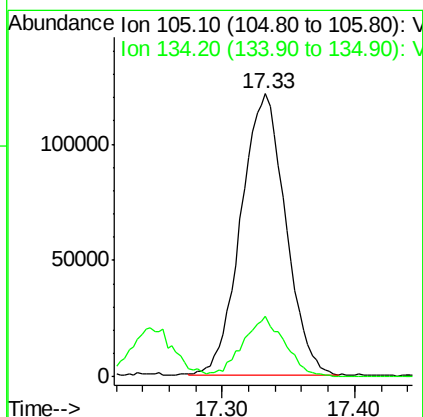
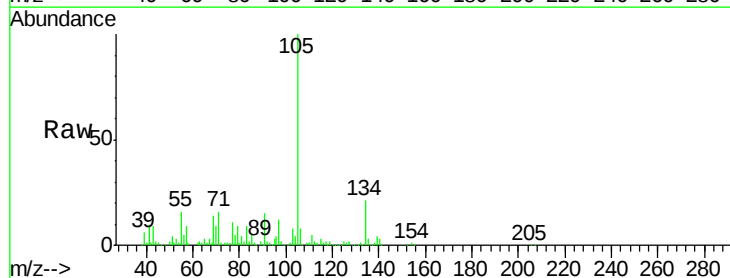
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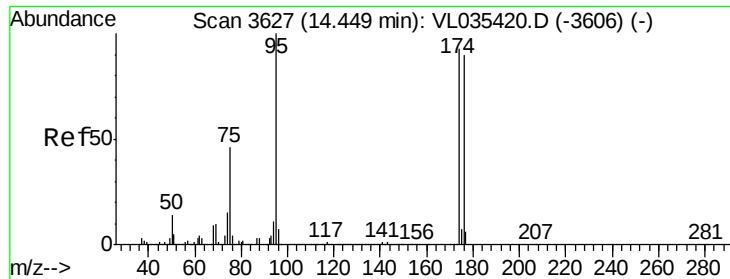
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#67
sec-Butylbenzene
Concen: 0.280 ppbv
RT: 17.33 min Scan# 4524
Delta R.T. 0.01 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.4	14.1	21.1





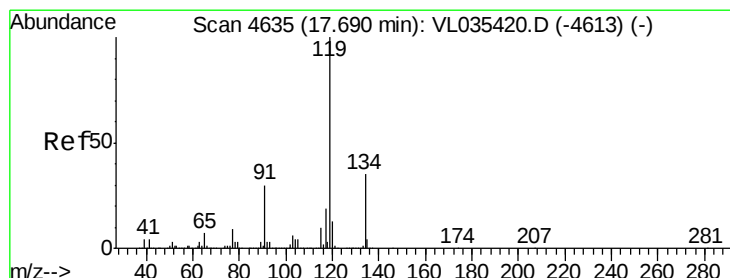
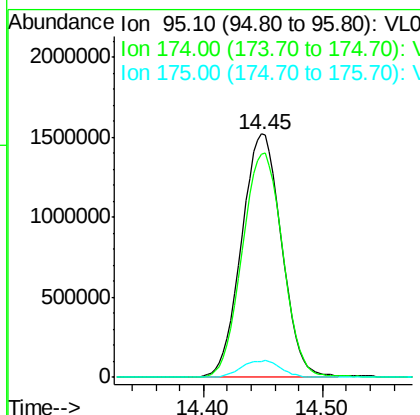
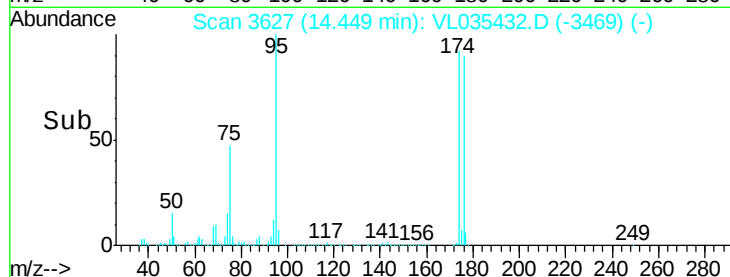
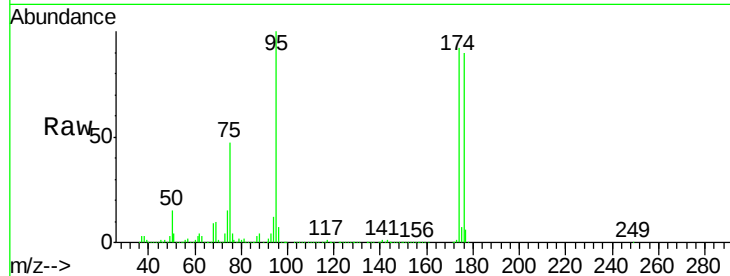
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.412 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.01 min
 Lab File: VL035432.D
 Acq: 18 Aug 2020 1:09

Instrument :
 MSVOA_L
 ClientSampled :
 K-1

Tot Ion: 95 Resp: 3537889
 Ion Ratio Lower Upper
 95 100
 174 93.7 44.0 66.0#
 175 6.9 3.2 4.8#

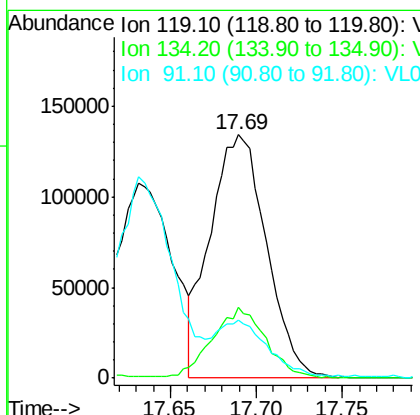
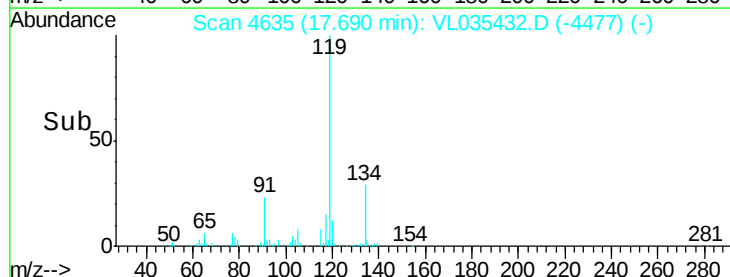
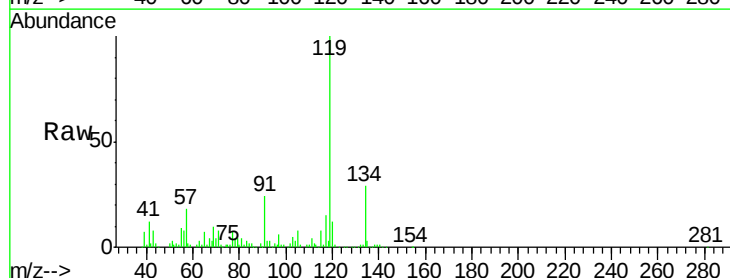
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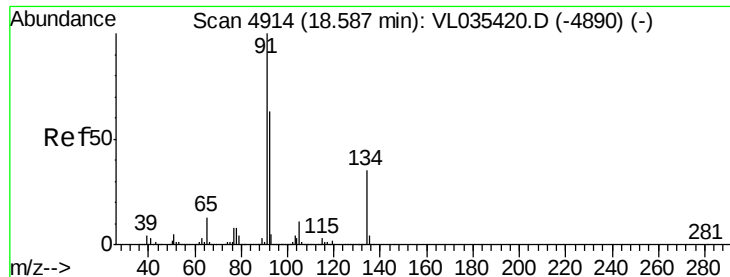
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#69
 p-Isopropyltoluene
 Concen: 0.339 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.01 min
 Lab File: VL035432.D
 Acq: 18 Aug 2020 1:09

Tgt Ion: 119 Resp: 303278
 Ion Ratio Lower Upper
 119 100
 134 28.3 20.6 30.8
 91 18.5 26.6 39.8#





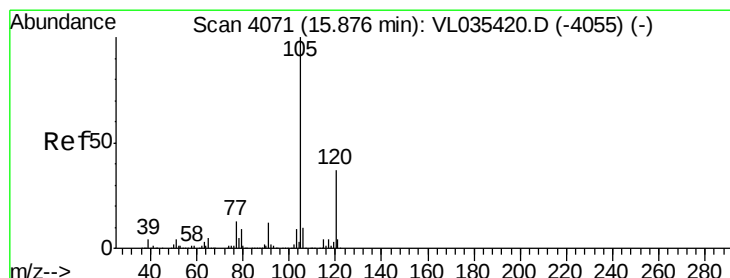
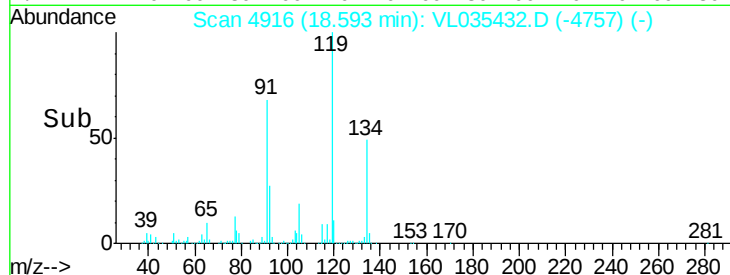
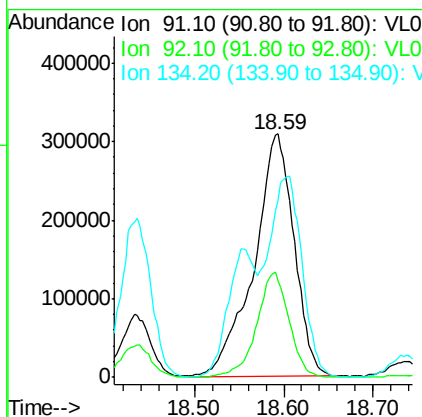
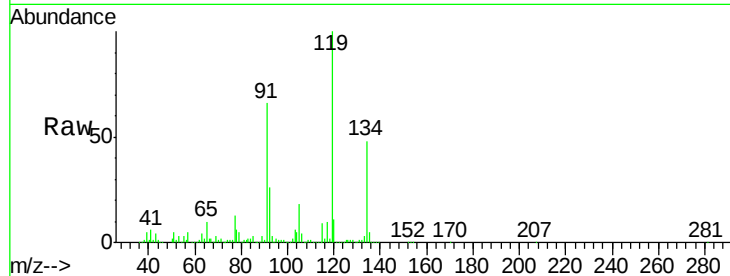
#70
n-Butylbenzene
Concen: 1.142 ppbv
RT: 18.59 min Scan# 4916
Delta R.T. 0.01 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Instrument :
MSVOA_L
ClientSampled :
K-1

Tot Ion	Ratio	Lower	Upper
91	100		
92	34.8	44.8	67.2#
134	72.3	17.3	25.9#

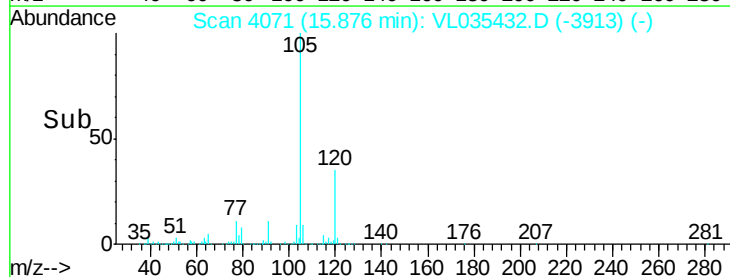
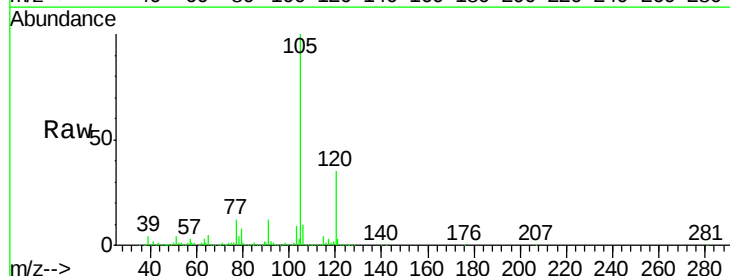
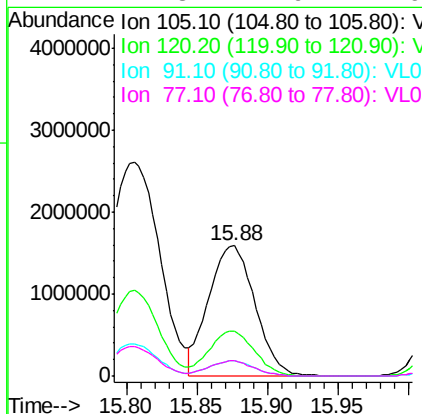
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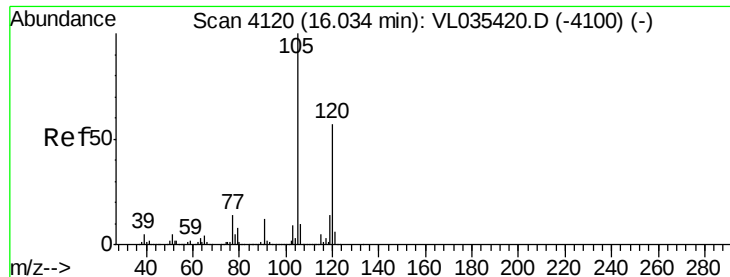
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#72
4-Ethyltoluene
Concen: 5.741 ppbv
RT: 15.88 min Scan# 4071
Delta R.T. 0.01 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	34.6	22.7	34.1#
91	11.5	10.8	16.2
77	11.3	11.9	17.9#





#73

1,3,5-Trimethylbenzene

Concen: 5.741 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Instrument :

MSVOA_L

ClientSampleId :

K-1

Tot Ion:105 Resp: 3374690

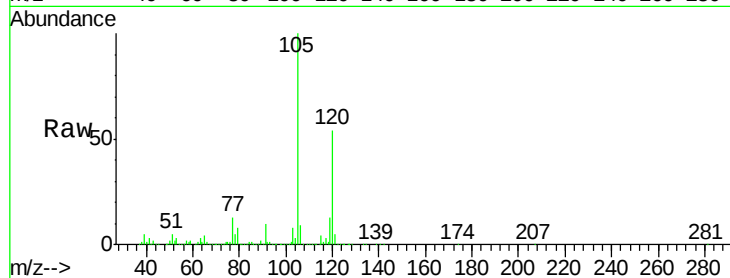
Ion Ratio Lower Upper

105 100

120 54.2 35.6 53.4#

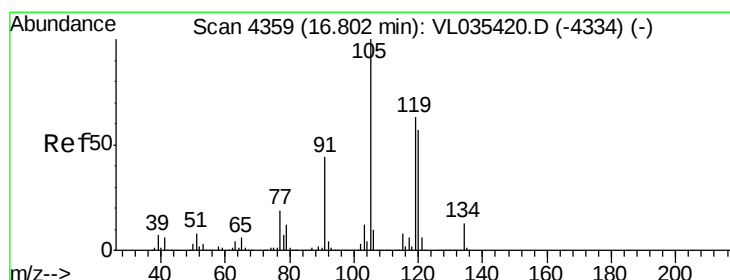
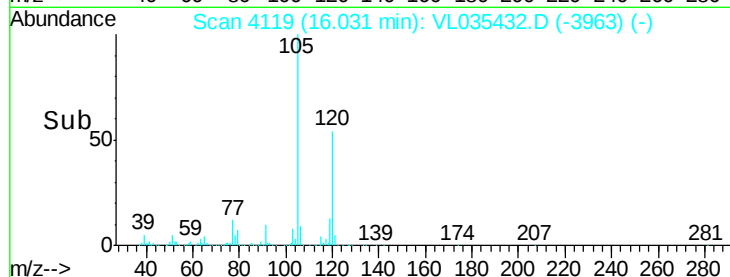
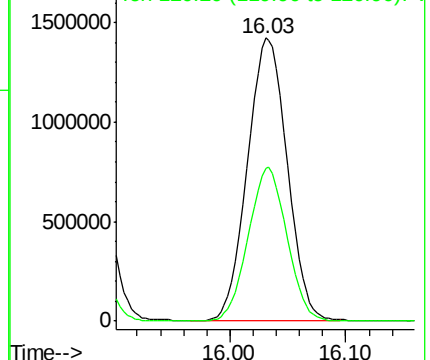
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 15.572 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.01 min

Lab File: VL035432.D

Acq: 18 Aug 2020 1:09

Tgt Ion:105 Resp: 9945441

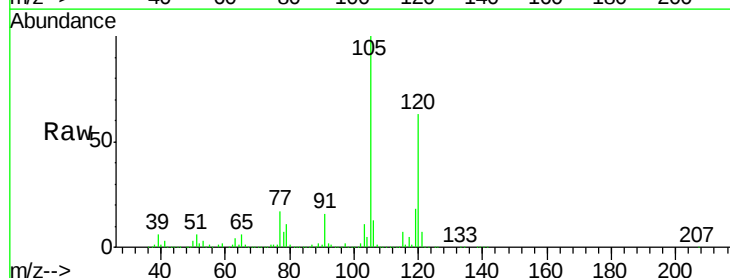
Ion Ratio Lower Upper

105 100

120 62.5 37.8 56.8#

91 15.5 40.0 60.0#

77 17.3 18.8 28.2#

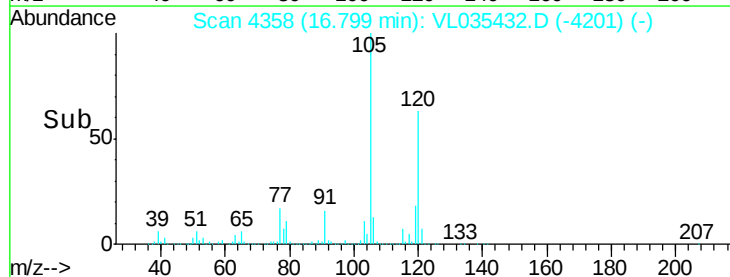
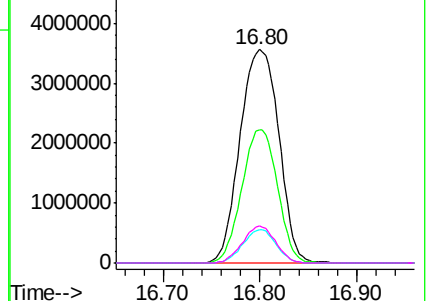


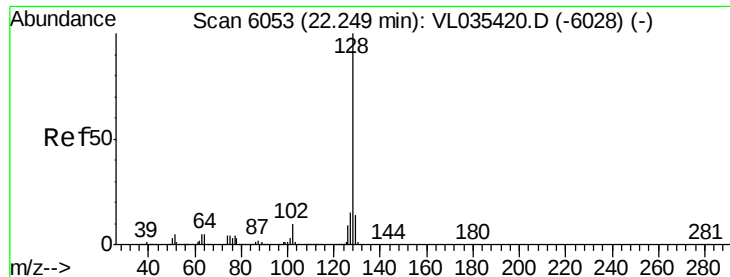
Abundance Ion 105.10 (104.80 to 105.80): V

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





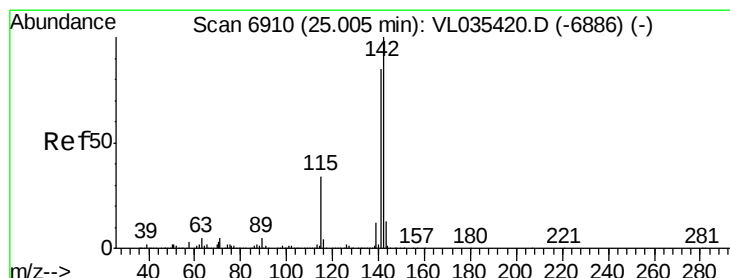
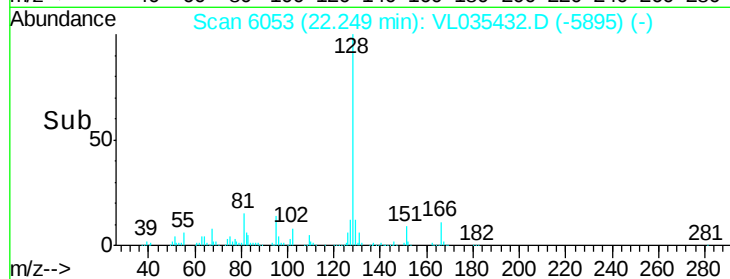
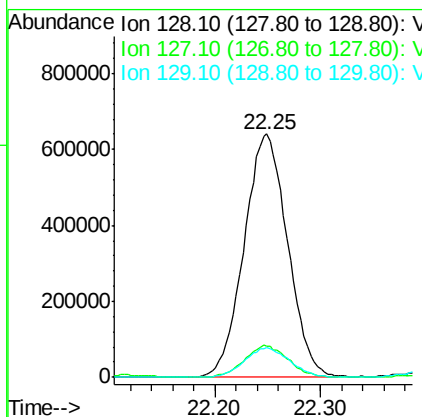
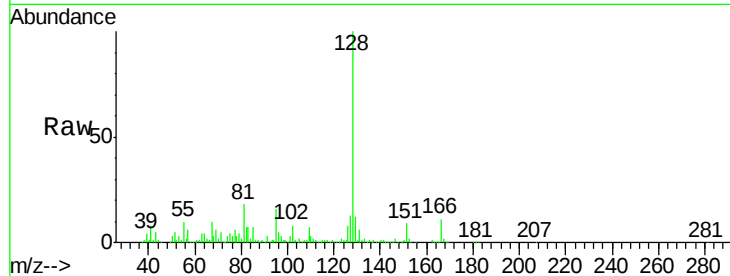
#79
Naphthalene
Concen: 2.041 ppbv
RT: 22.25 min Scan# 6053
Delta R.T. 0.01 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Instrument :
MSVOA_L
ClientSampled :
K-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	11.4	17.0
129	12.4	9.5	14.3

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#80
Naphthalene, 2-methyl-
Concen: 1.158 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. 0.01 min
Lab File: VL035432.D
Acq: 18 Aug 2020 1:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.2	67.1	100.7
115	44.2	36.1	54.1

