

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036649.D
 Acq On : 2 Apr 2021 17:47
 Operator : SY/AP
 Sample : M1841-05
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3

Manual Integrations
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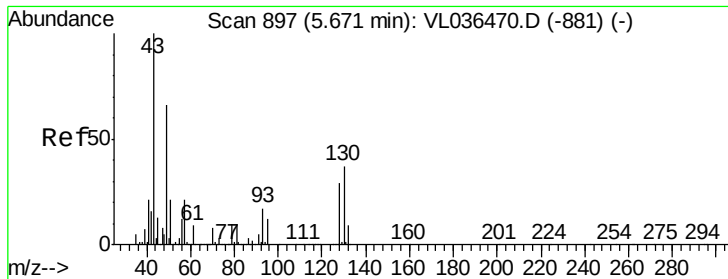
Quant Time: Apr 04 16:27:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1297712	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3470962	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3105998	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	2457462	9.93	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	32076m	0.152	ppbv	
4) Chloromethane	3.13	50	24896	0.291	ppbv	91
9) Propene	3.01	41	448869m	5.807	ppbv	
10) Heptane	8.14	43	8930040	45.350	ppbv	95
11) Trichlorofluoromethane	3.94	101	55785	0.259	ppbv	98
13) Ethanol	3.61	45	2973304	323.024	ppbv	94
15) Acetone	3.83	43	9368360	73.348	ppbv #	1
17) tert-Butyl alcohol	4.30	59	978131	8.797	ppbv #	72
19) Isopropyl Alcohol	3.97	45	9233045	131.411	ppbv #	1
20) Methylene Chloride	4.34	84	2711403	45.340	ppbv	95
26) Hexane	5.70	57	18493520	131.238	ppbv #	46
27) Carbon Disulfide	4.55	76	135894	0.979	ppbv #	69
30) Cyclohexane	7.14	84	3737378	32.703	ppbv	94
34) 2-Butanone	5.24	43	2462684	14.535	ppbv	91
35) Carbon Tetrachloride	7.02	117	10246m	0.038	ppbv	
36) Benzene	6.89	78	7556358	23.605	ppbv	95
44) 2,2,4-Trimethylpentane	7.91	57	45050837m	79.962	ppbv	
52) Tetrachloroethene	11.23	164	17003m	0.144	ppbv	
53) Toluene	9.82	91	845945	2.481	ppbv	99
58) Ethyl Benzene	12.71	91	600355	1.329	ppbv	98
59) m/p-Xylene	12.96	91	1607220	4.078	ppbv	95
60) o-Xylene	13.68	91	796609	2.090	ppbv	99
61) Styrene	13.52	104	43062m	0.225	ppbv	
62) Isopropylbenzene	14.66	105	143337m	0.279	ppbv	
64) n-propylbenzene	15.55	120	68865m	0.549	ppbv	
65) tert-Butylbenzene	16.76	119	156360	0.351	ppbv #	66
67) sec-Butylbenzene	17.29	105	67697m	0.108	ppbv	
69) p-Isopropyltoluene	17.64	119	65794m	0.134	ppbv	
70) n-Butylbenzene	18.54	91	100434m	0.197	ppbv	
72) 4-Ethyltoluene	15.83	105	366784	0.878	ppbv	96
73) 1,3,5-Trimethylbenzene	15.99	105	474240	1.217	ppbv	95
74) 1,2,4-Trimethylbenzene	16.75	105	1431108	3.431	ppbv #	70
79) Naphthalene	22.20	128	32568	0.134	ppbv #	90

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-3

Tot Ion: 49 Resp: 1297712

Ion Ratio Lower Upper

49 100

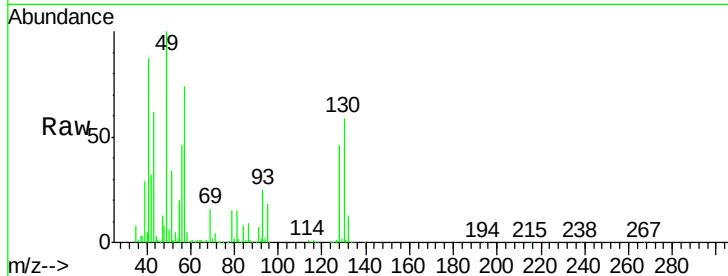
128 46.1 23.5 70.6

130 59.3 29.1 87.4

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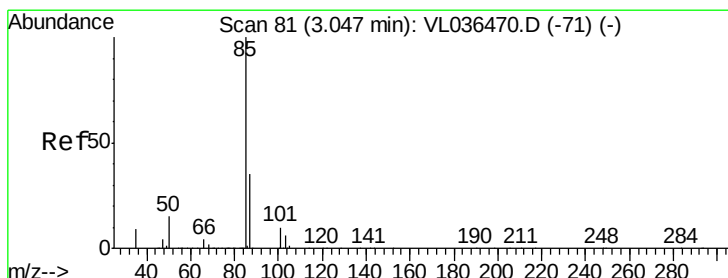
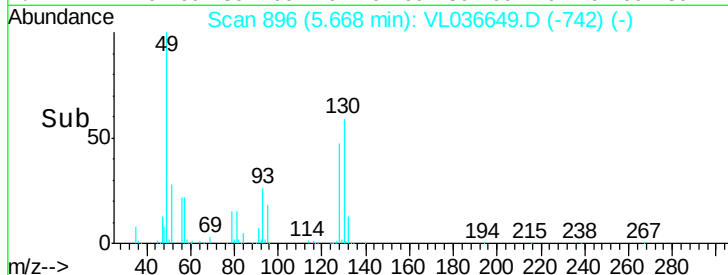
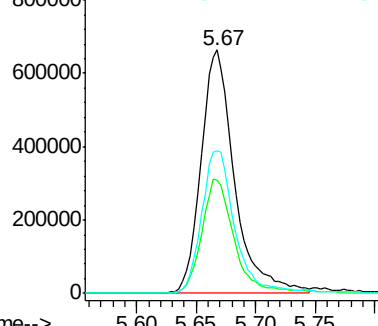
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.152 ppbv m

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL036649.D

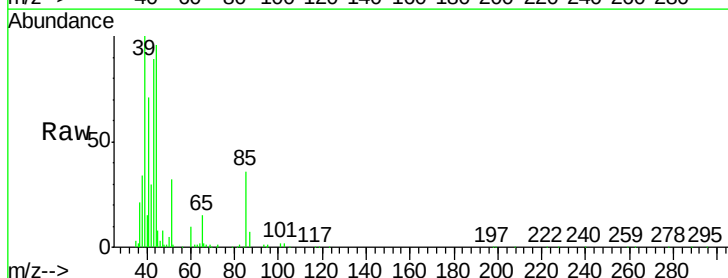
Acq: 2 Apr 2021 17:47

Tgt Ion: 85 Resp: 32076

Ion Ratio Lower Upper

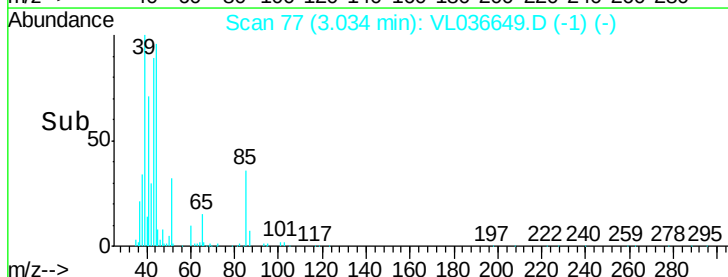
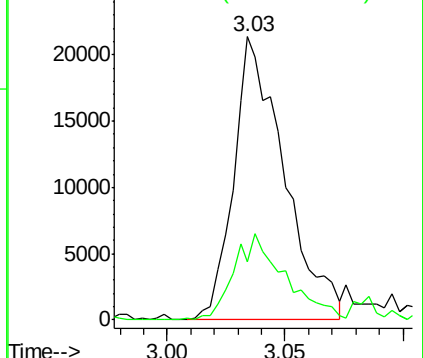
85 100

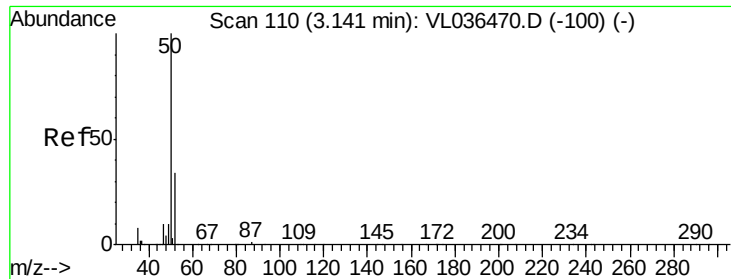
87 20.6 27.8 41.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.291 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036649.D

Acq: 2 Apr 2021 17:47

Instrument :

MSVOA_L

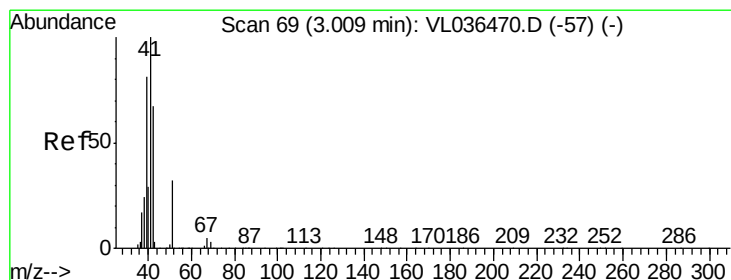
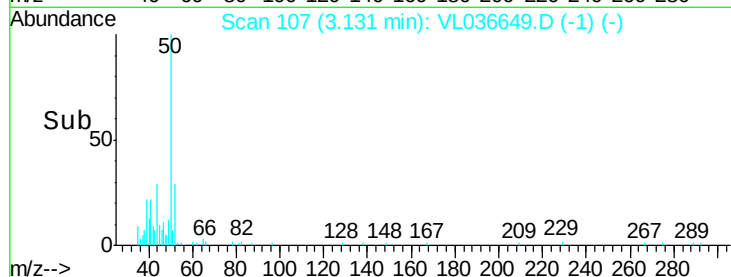
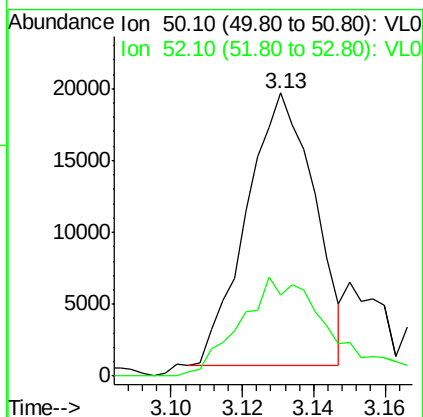
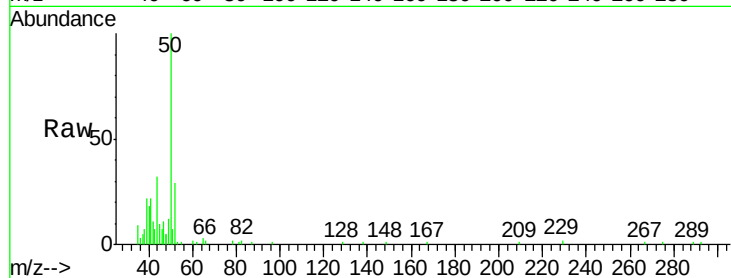
ClientSampleId :

PBS-SS-3

Tot Ion	50	Resp	24896
Ion Ratio	100	Lower	Upper
50	100		
52	28.6	27.0	40.6

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#9

Propene

Concen: 5.807 ppbv m

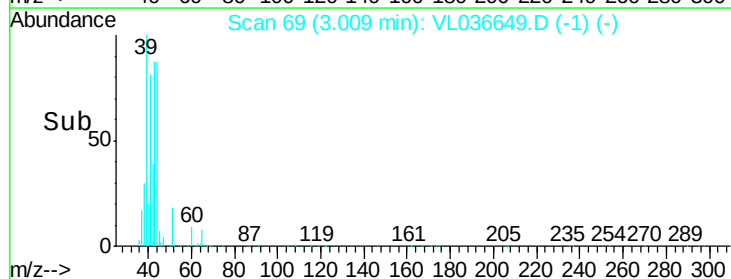
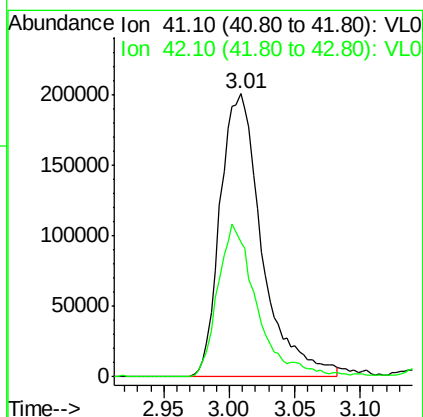
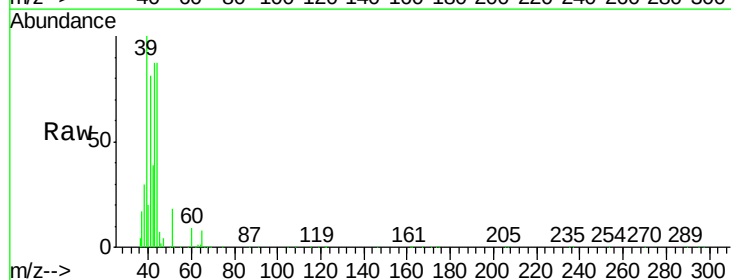
RT: 3.01 min Scan# 69

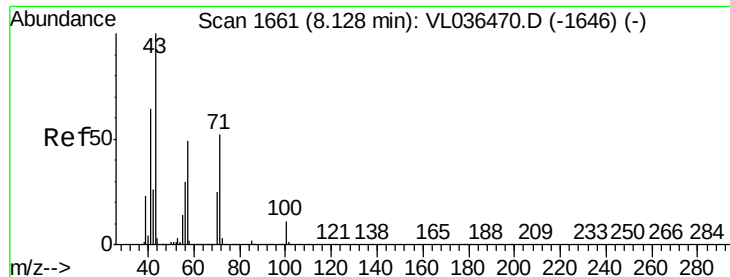
Delta R.T. -0.00 min

Lab File: VL036649.D

Acq: 2 Apr 2021 17:47

Tgt Ion	41	Resp	448869
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
41	100		
42	858.5	57.0	85.4#





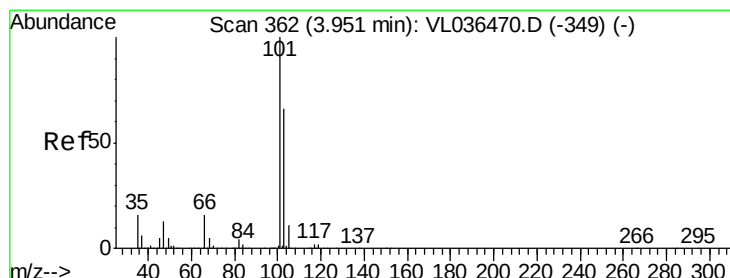
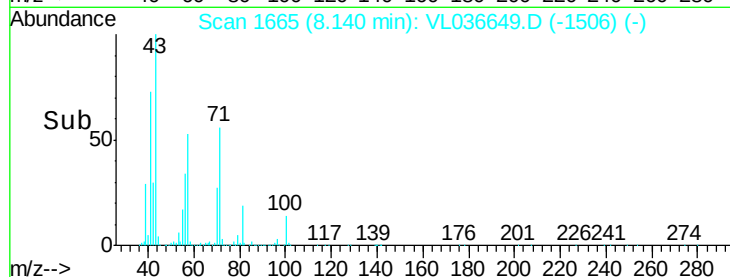
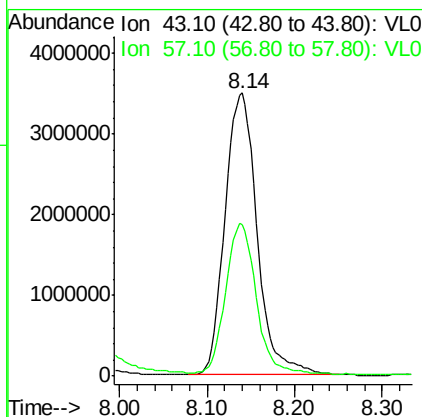
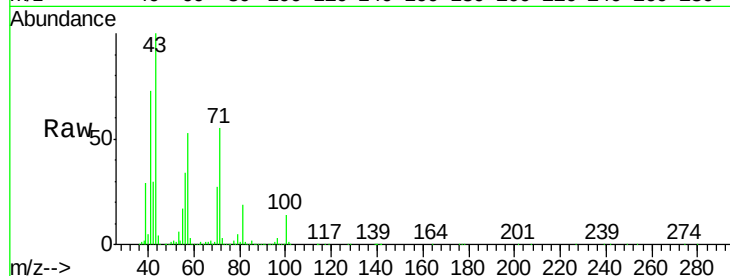
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 Heptane
 Concen: 45.350 ppbv
 RT: 8.14 min Scan# 1665
 Delta R.T. 0.01 min
 Lab File: VL036649.D
 Acq: 2 Apr 2021 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3

Tot Ion: 43 Resp: 8930040
 Ion Ratio Lower Upper
 43 100
 57 51.9 39.0 58.6

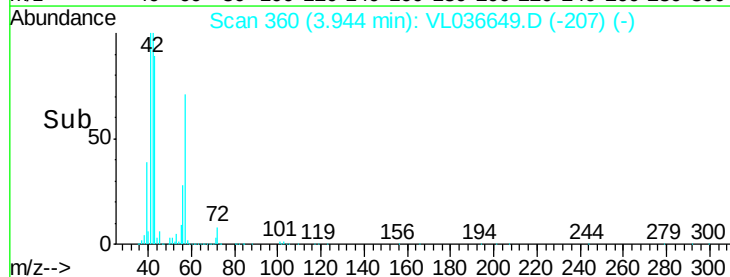
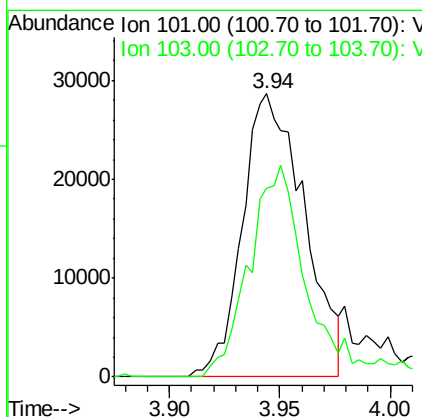
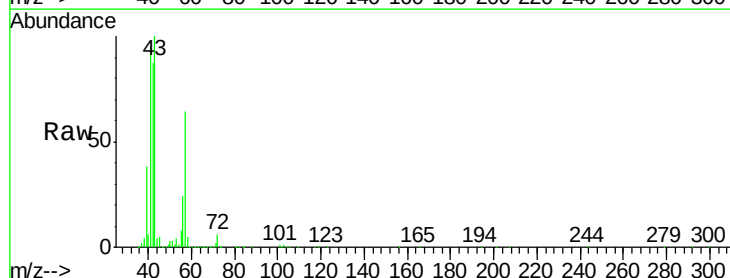
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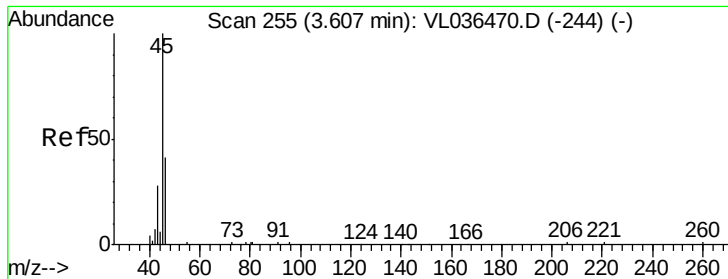
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#11
 Trichlorofluoromethane
 Concen: 0.259 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL036649.D
 Acq: 2 Apr 2021 17:47

Tgt Ion: 101 Resp: 55785
 Ion Ratio Lower Upper
 101 100
 103 66.8 52.5 78.7





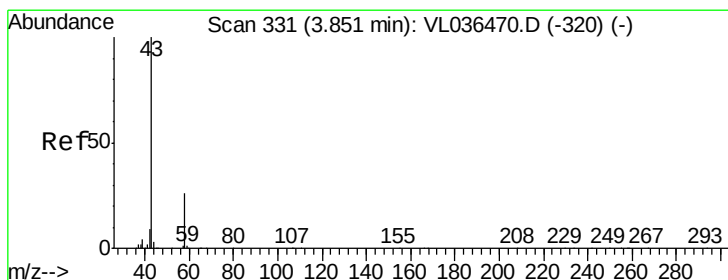
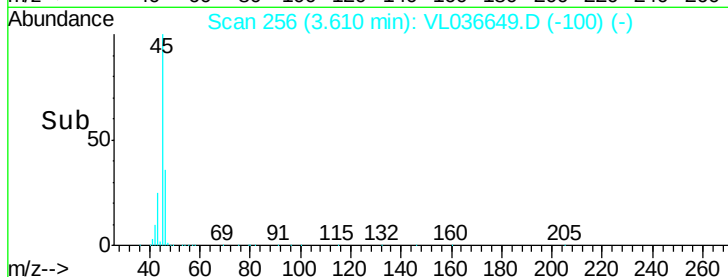
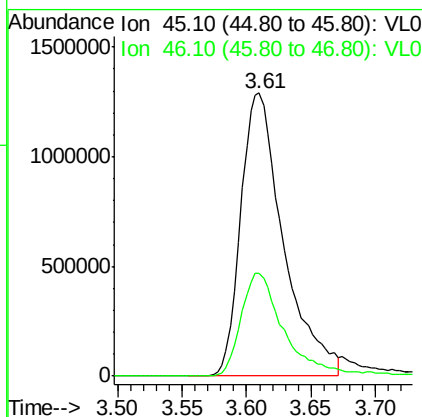
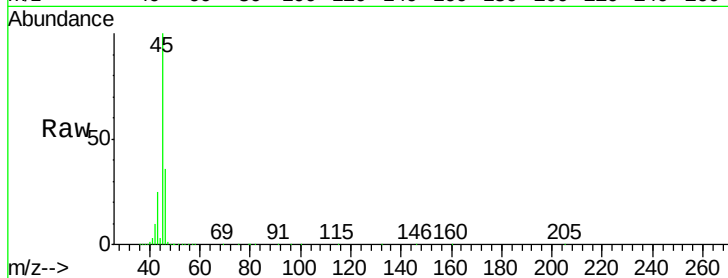
#13
Ethanol
Concen: 323.024 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036649.D
Acq: 2 Apr 2021 17:47

Instrument :
MSVOA_L
ClientSampled :
PBS-SS-3

Tot Ion: 45 Resp: 2973304
Ion Ratio Lower Upper
45 100
46 37.7 16.6 66.2

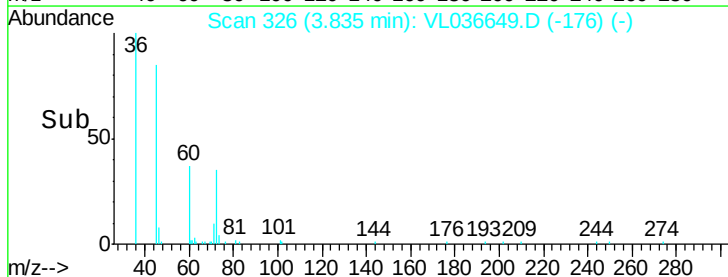
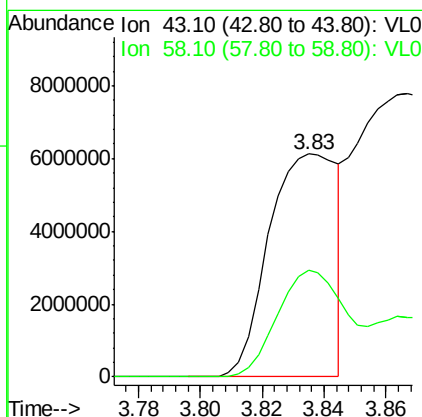
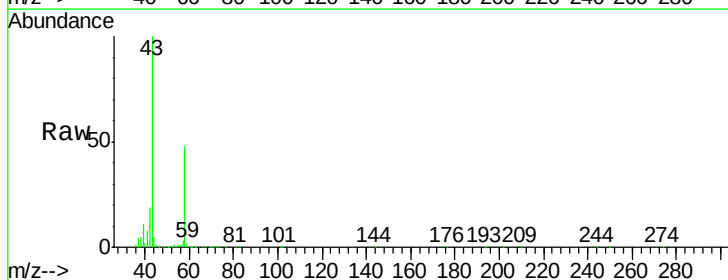
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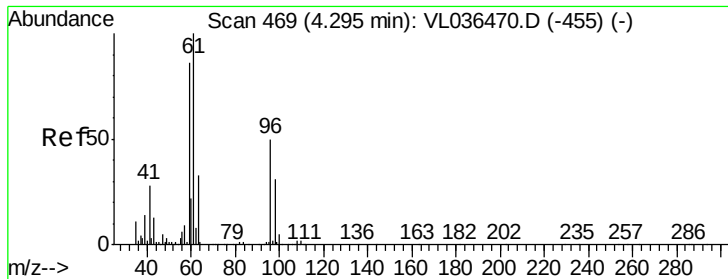
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#15
Acetone
Concen: 73.348 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL036649.D
Acq: 2 Apr 2021 17:47

Tgt Ion: 43 Resp: 9368360
Ion Ratio Lower Upper
43 100
58 96.4 21.2 31.8#





#17

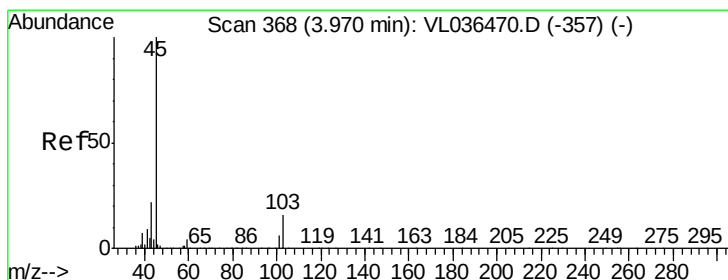
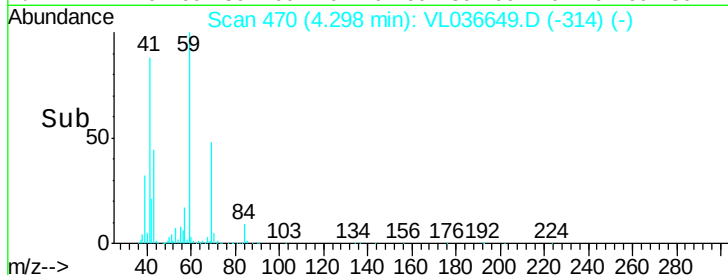
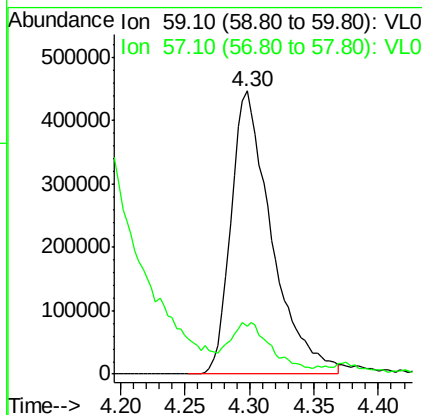
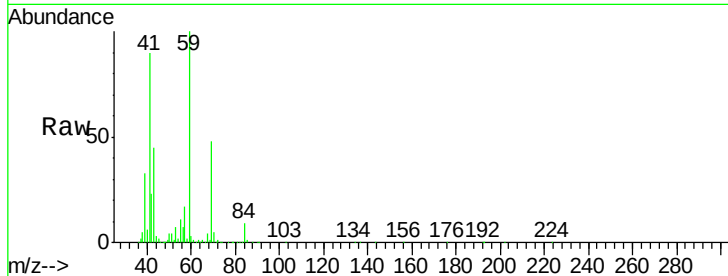
tert-Butyl alcohol
 Concen: 8.797 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VL036649.D
 Acq: 2 Apr 2021 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

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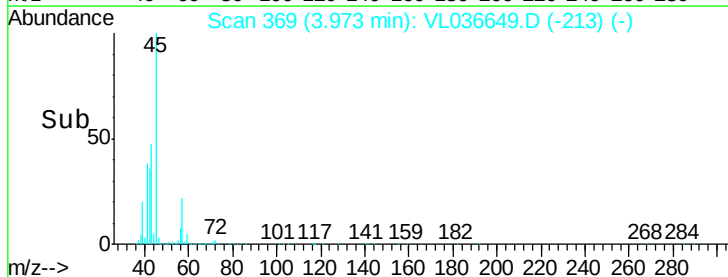
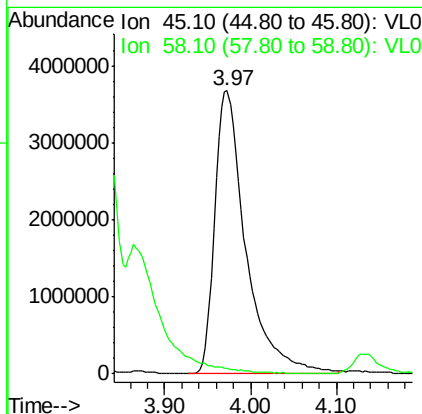
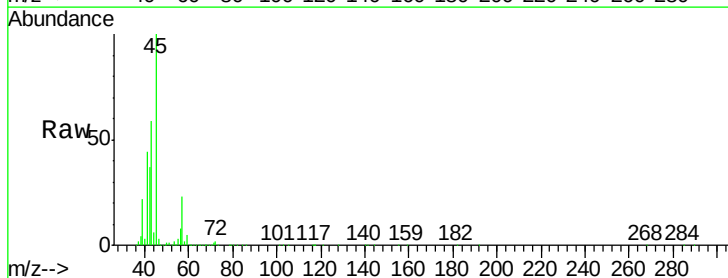
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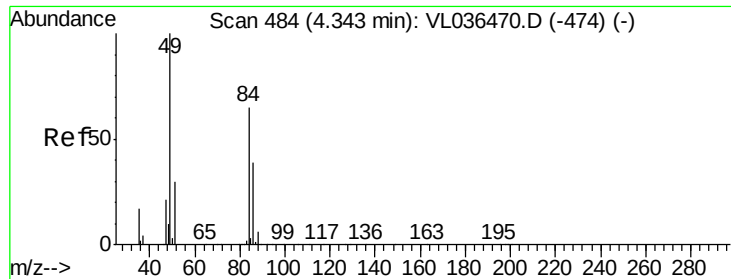


#19

Isopropyl Alcohol
 Concen: 131.411 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VL036649.D
 Acq: 2 Apr 2021 17:47

Tgt Ion	Ratio	Lower	Upper
45	100		
58	97.8	2.9	4.3#





#20
Methvlene Chloride
Concen: 45.340 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL036649.D
Acq: 2 Apr 2021 17:47

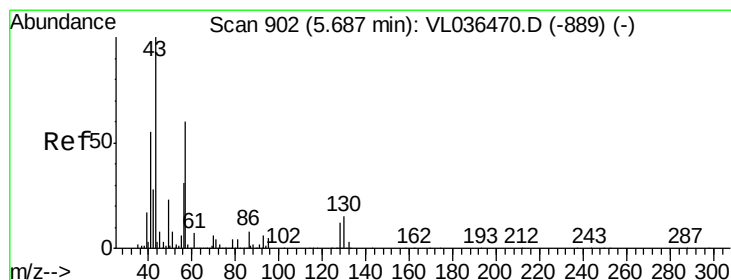
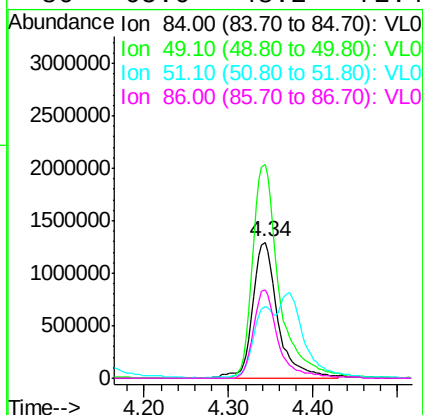
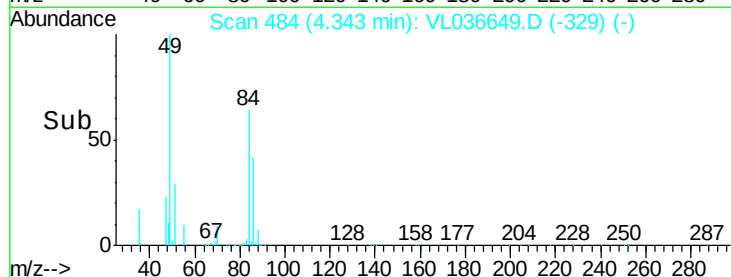
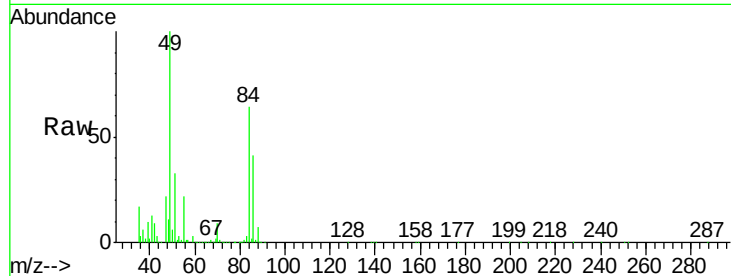
Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3

Tot Ion: 84 Resp: 2711403

Ion	Ratio	Lower	Upper
84	100		
49	157.3	122.9	184.3
51	52.2	36.9	55.3
86	65.0	48.2	72.4

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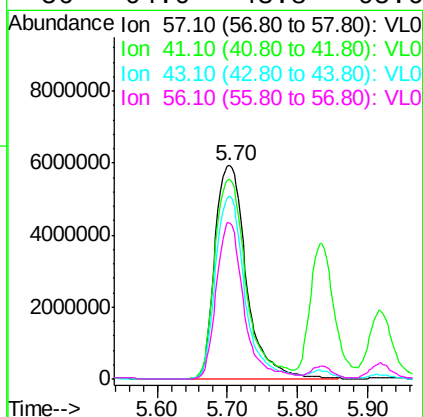
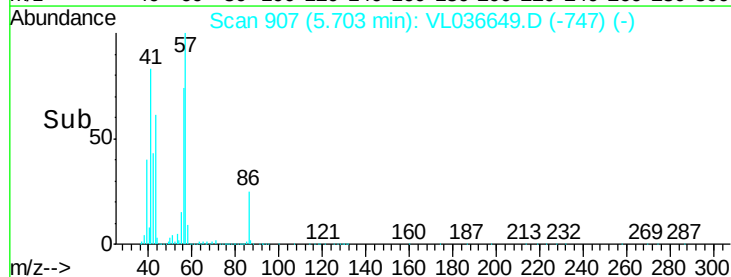
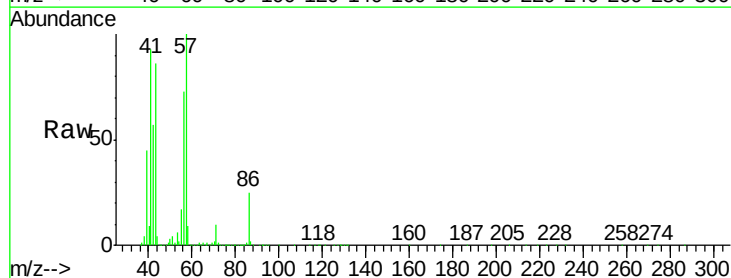
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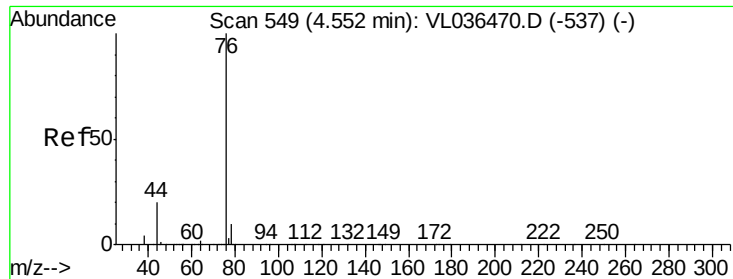


#26
Hexane
Concen: 131.238 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036649.D
Acq: 2 Apr 2021 17:47

Tgt Ion: 57 Resp: 18493520

Ion	Ratio	Lower	Upper
57	100		
41	93.1	77.2	115.8
43	79.3	173.8	260.6
56	64.0	43.8	65.6





#27

Carbon Disulfide

Concen: 0.979 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL036649.D

Acq: 2 Apr 2021 17:47

Instrument :

MSVOA_L

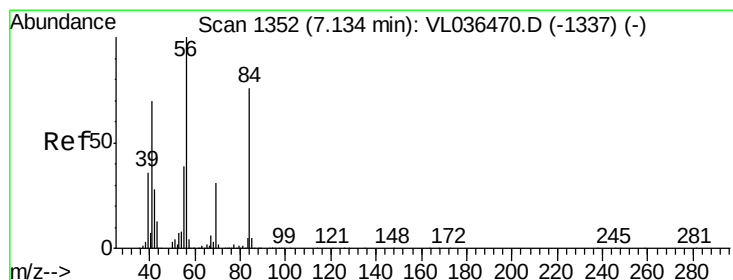
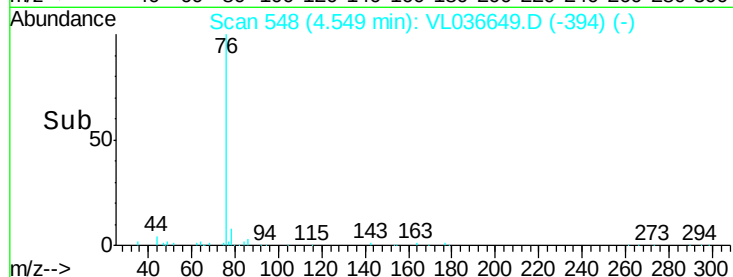
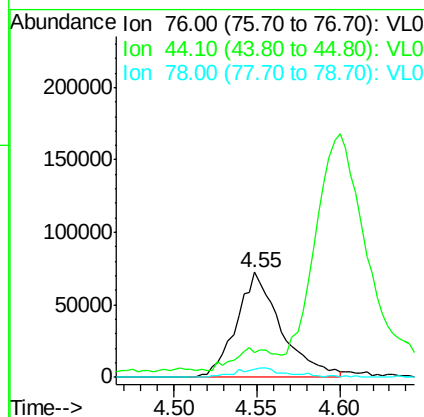
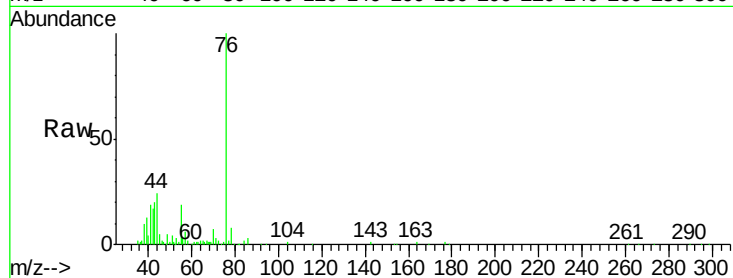
ClientSampleId :

PBS-SS-3

Tot Ion:	76	Resp:	135894
Ion Ratio	Lower	Upper	
76	100		
44	0.0	17.5	26.3#
78	10.1	8.6	13.0

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#30

Cyclohexane

Concen: 32.703 ppbv

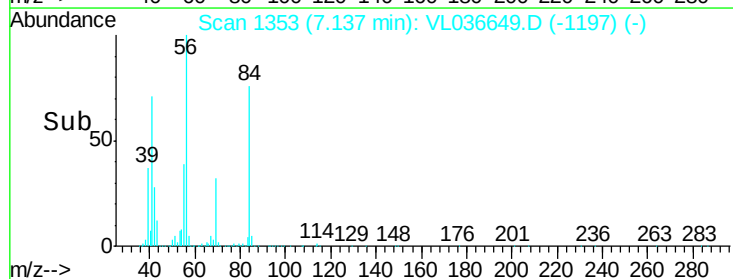
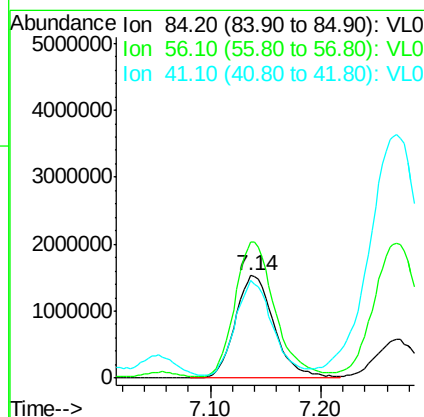
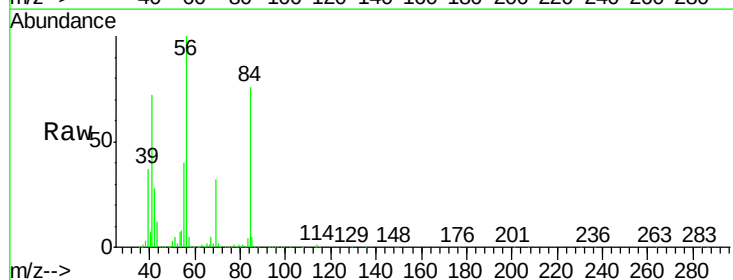
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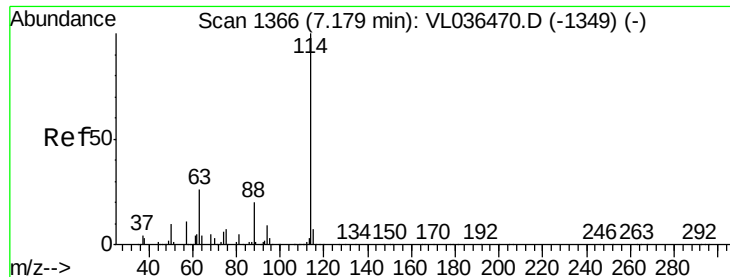
Delta R.T. 0.00 min

Lab File: VL036649.D

Acq: 2 Apr 2021 17:47

Tgt Ion:	84	Resp:	3737378
Ion Ratio	Lower	Upper	
84	100		
56	135.4	114.6	171.8
41	87.8	75.3	112.9





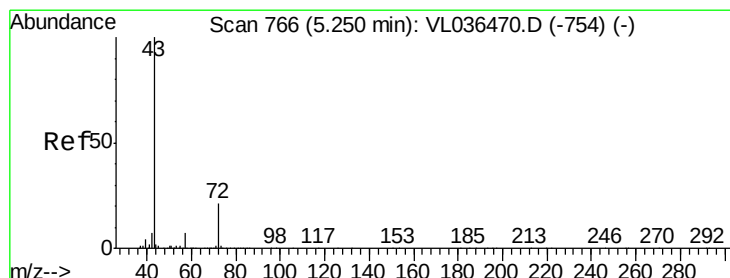
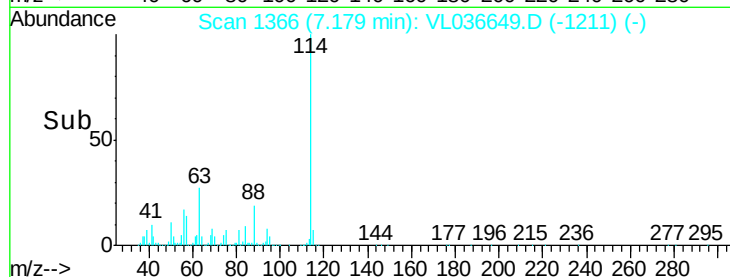
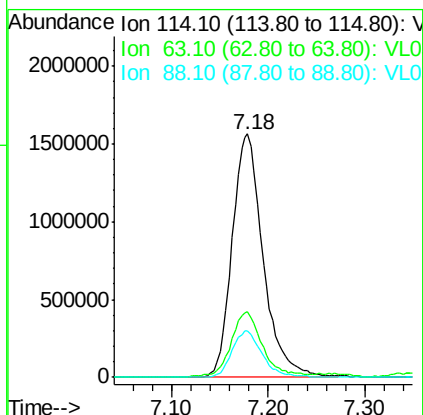
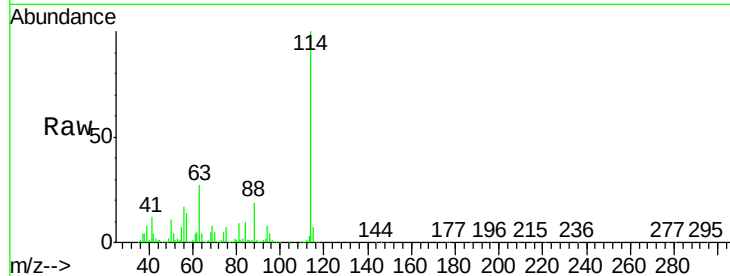
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VL036649.D
 Acq: 2 Apr 2021 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.4	33.6
88	18.9	15.4	23.0

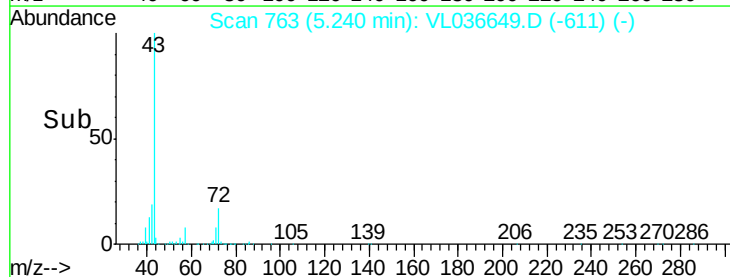
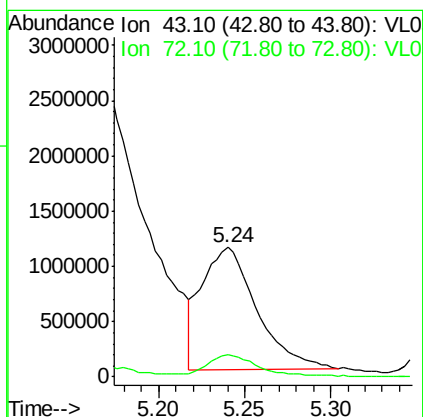
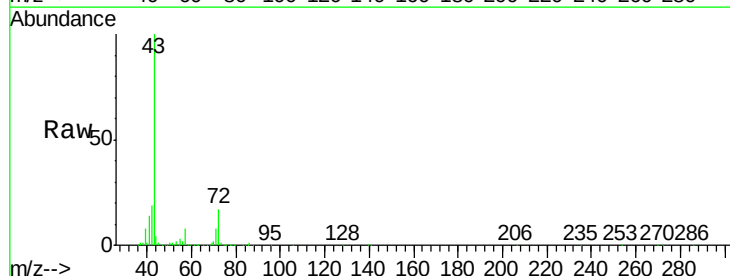
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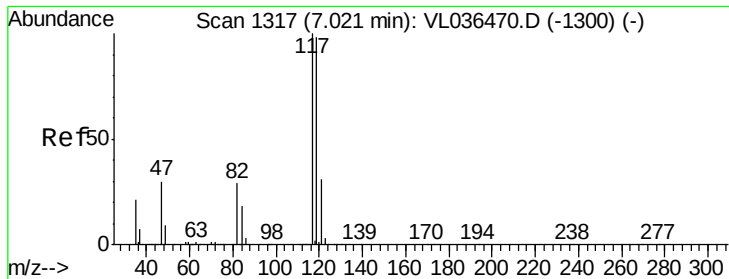
apatel
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#34
 2-Butanone
 Concen: 14.535 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL036649.D
 Acq: 2 Apr 2021 17:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.3	17.0	25.6





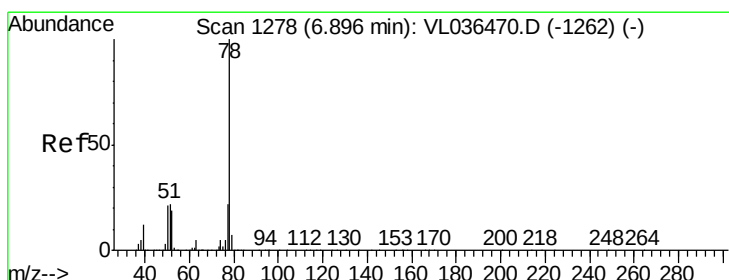
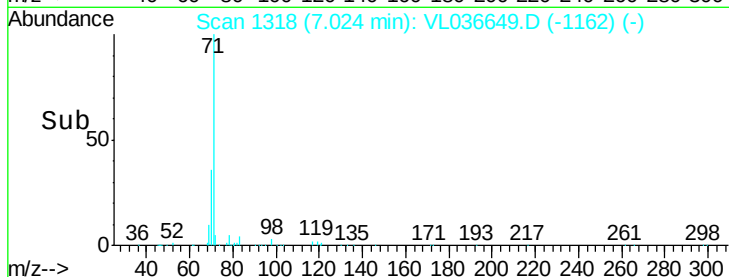
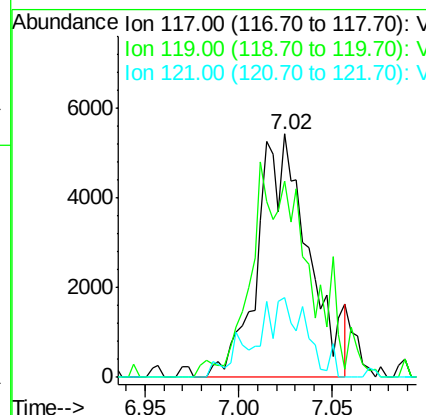
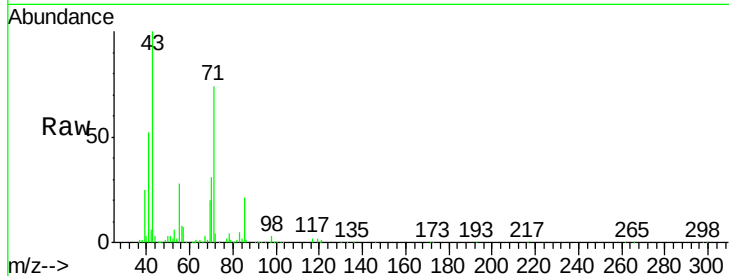
#35
Carbon Tetrachloride
Concen: 0.038 ppbv m
RT: 7.02 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VL036649.D
Acq: 2 Apr 2021 17:47

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3

Tot Ion	Ratio	Lower	Upper
117	100		
119	80.5	78.2	117.2
121	32.8	24.5	36.7

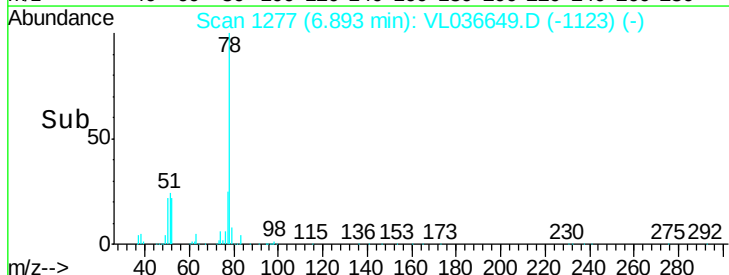
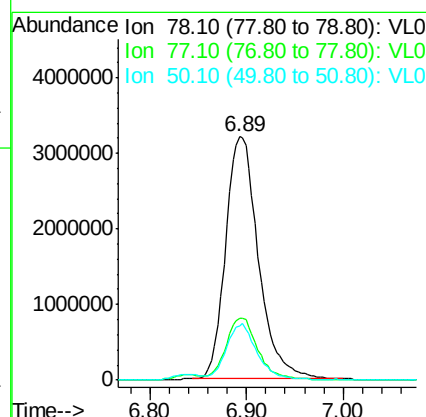
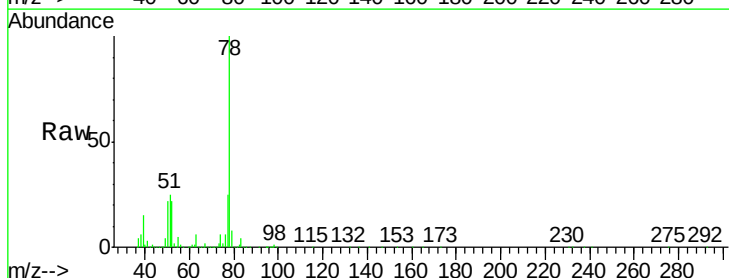
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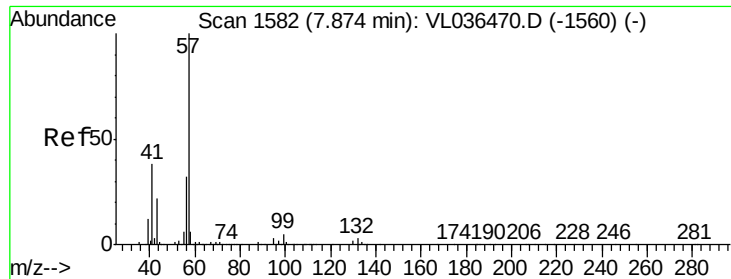
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#36
Benzene
Concen: 23.605 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VL036649.D
Acq: 2 Apr 2021 17:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	18.0	27.0
50	21.9	16.5	24.7





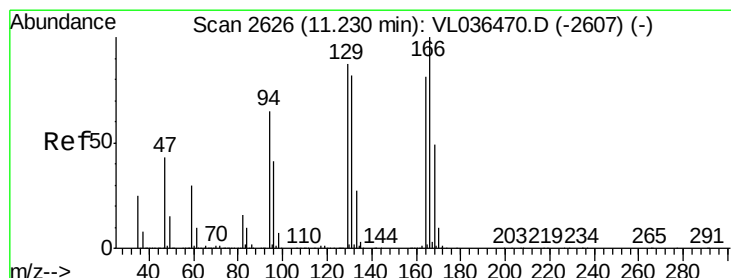
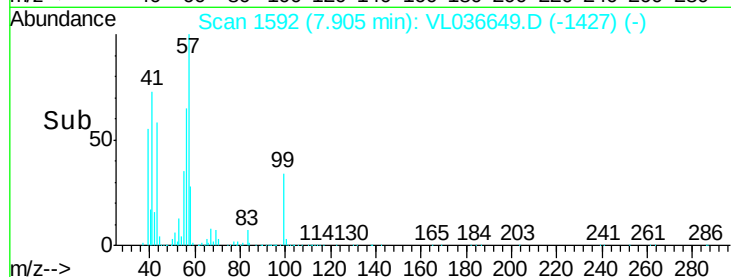
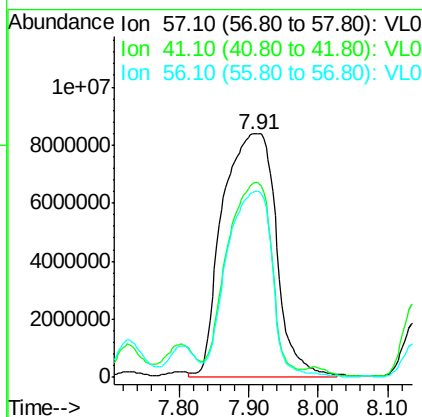
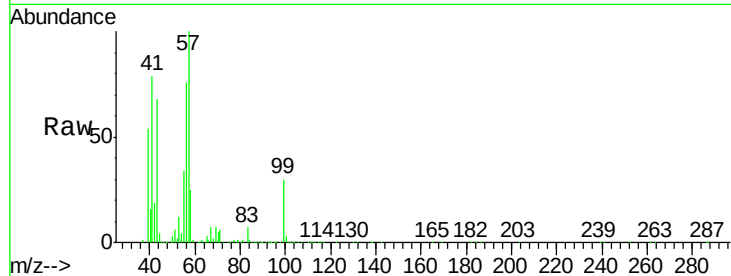
#44
2,2,4-Trimethylpentane
Concen: 79.962 ppbv m
RT: 7.91 min Scan# 1592
Delta R.T. 0.03 min
Lab File: VL036649.D
Acq: 2 Apr 2021 17:47

Instrument :
MSVOA_L
ClientSampled :
PBS-SS-3

Tot Ion: 57 Resp: 45050837
Ion Ratio Lower Upper
57 100
41 66.0 28.8 43.2#
56 64.1 26.1 39.1#

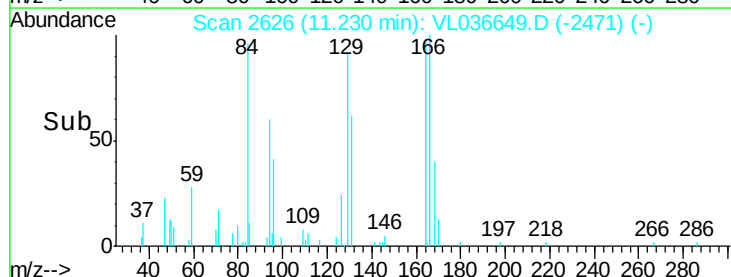
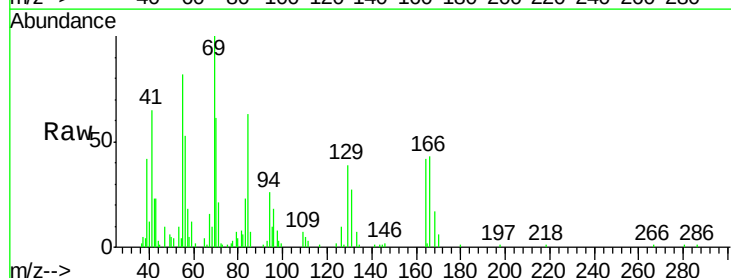
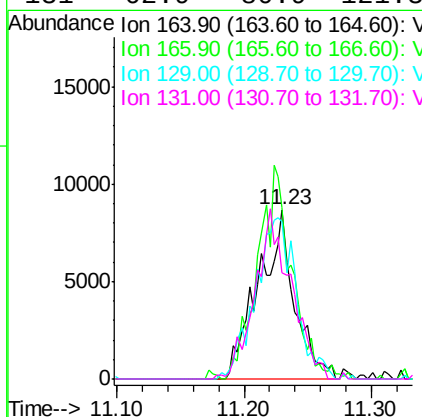
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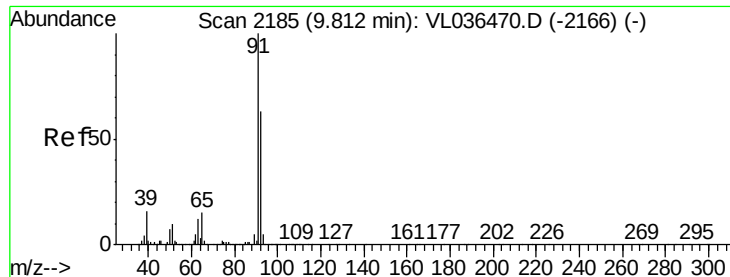
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#52
Tetrachloroethene
Concen: 0.144 ppbv m
RT: 11.23 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL036649.D
Acq: 2 Apr 2021 17:47

Tgt Ion: 164 Resp: 17003
Ion Ratio Lower Upper
164 100
166 101.7 98.3 147.5
129 92.8 85.8 128.8
131 62.9 80.9 121.3#





#53

Toluene

Concen: 2.481 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL036649.D

Acq: 2 Apr 2021 17:47

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-3

Tot Ion: 91 Resp: 845945

Ion Ratio Lower Upper

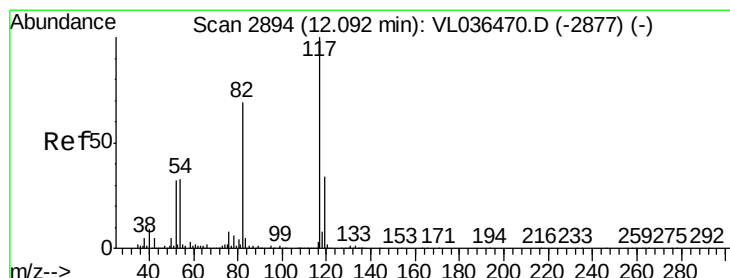
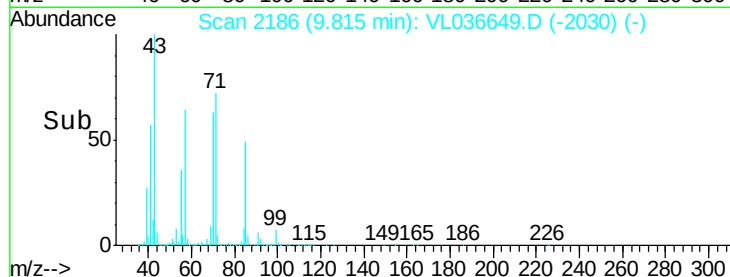
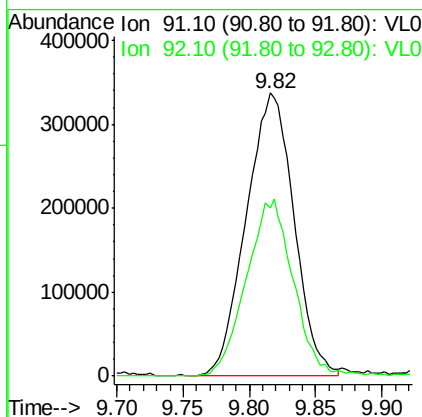
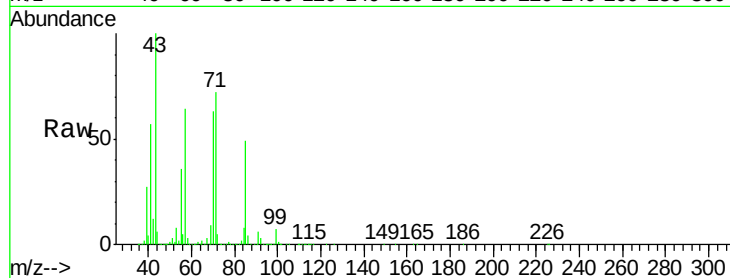
91 100

92 61.7 48.8 73.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL036649.D

Acq: 2 Apr 2021 17:47

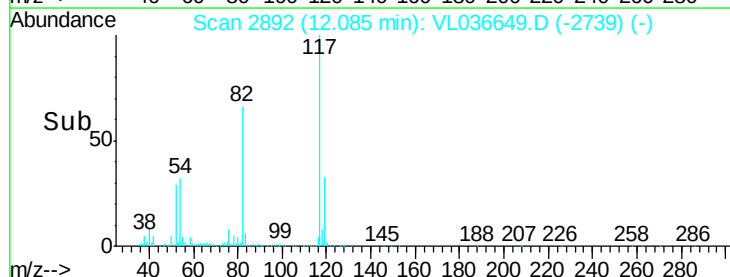
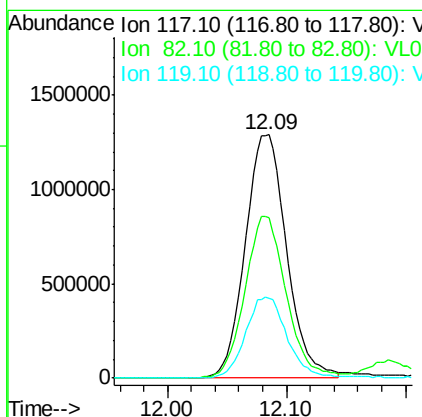
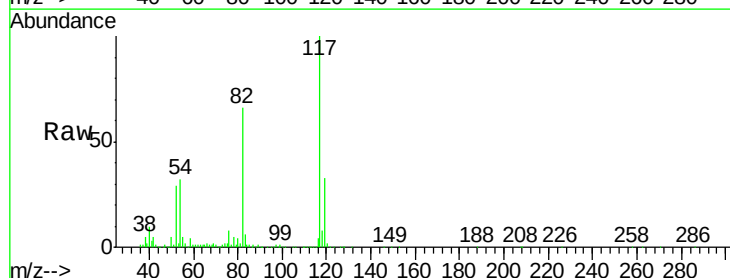
Tgt Ion: 117 Resp: 3105998

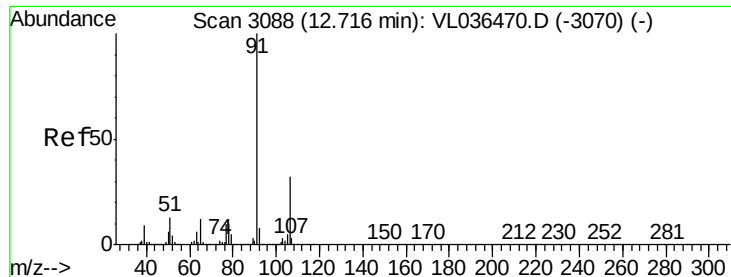
Ion Ratio Lower Upper

117 100

82 66.6 57.4 86.0

119 33.8 47.4 71.0#





#58

Ethyl Benzene

Concen: 1.329 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. -0.01 min

Lab File: VL036649.D

Acq: 2 Apr 2021 17:47

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-3

Tot Ion: 91 Resp: 600355

Ion Ratio Lower Upper

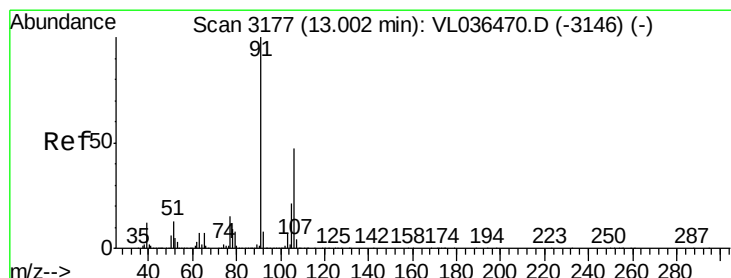
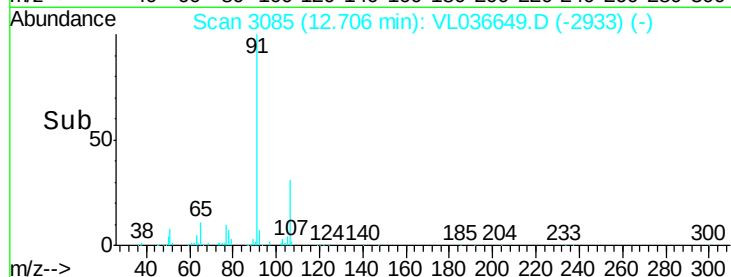
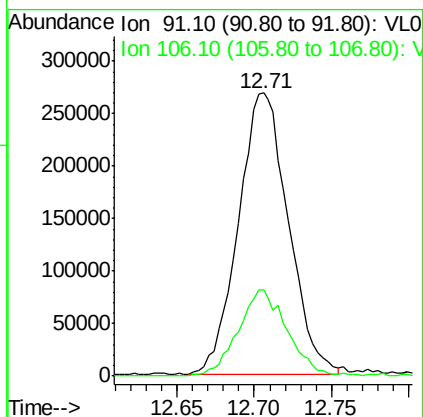
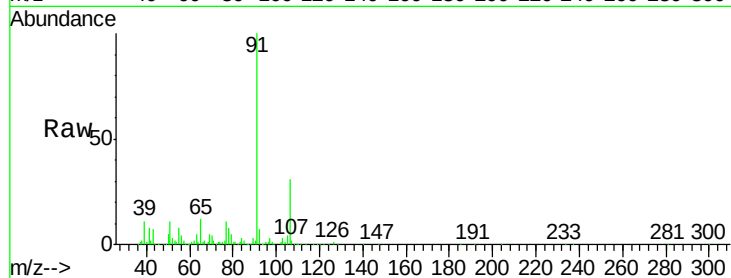
91 100

106 30.6 25.3 37.9

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#59

m/p-Xylene

Concen: 4.078 ppbv

RT: 12.96 min Scan# 3164

Delta R.T. -0.04 min

Lab File: VL036649.D

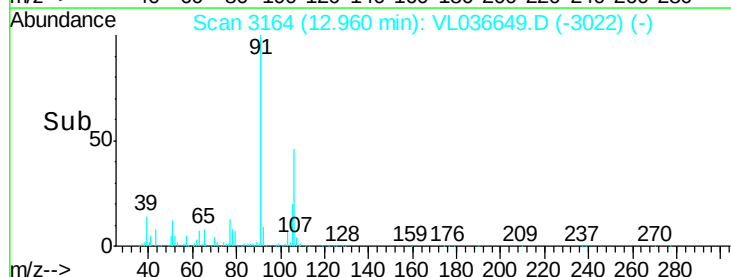
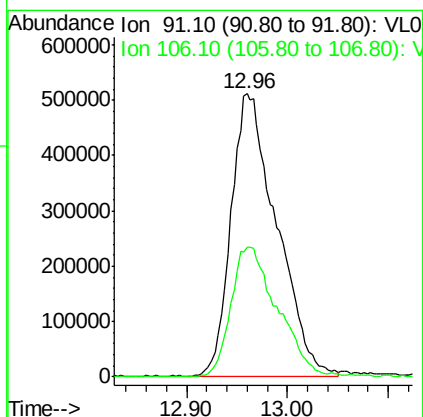
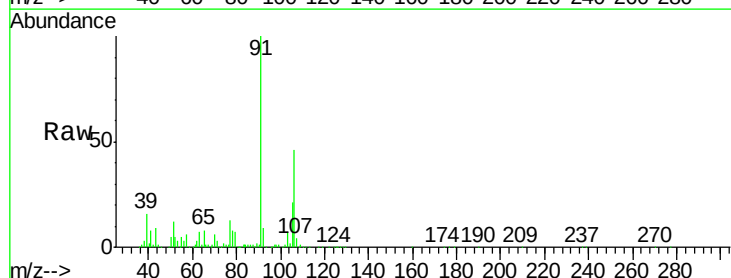
Acq: 2 Apr 2021 17:47

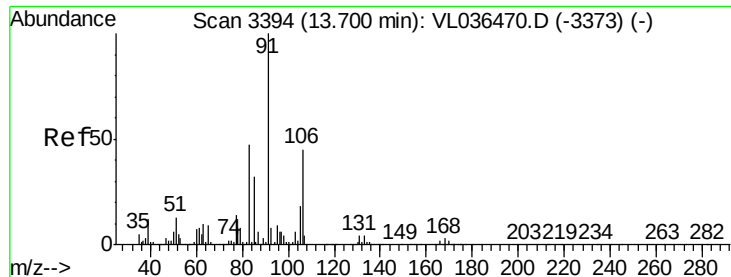
Tgt Ion: 91 Resp: 1607220

Ion Ratio Lower Upper

91 100

106 47.3 35.3 52.9





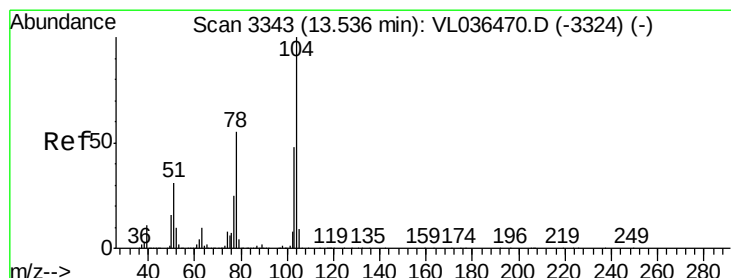
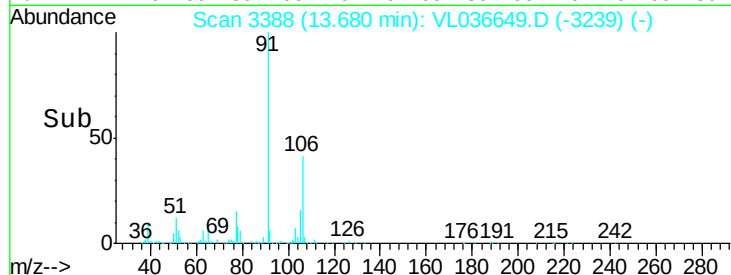
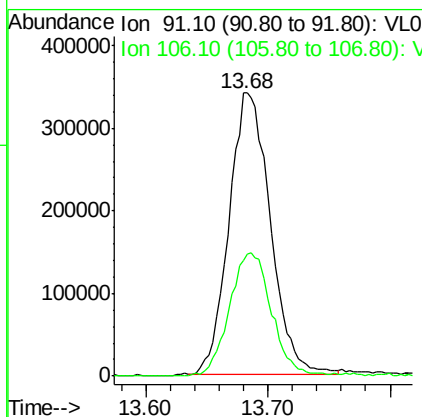
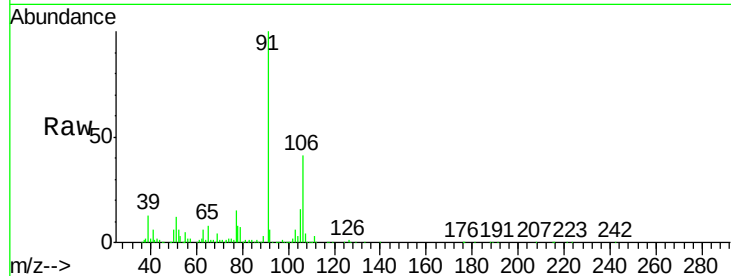
#60
o-Xylene
Concen: 2.090 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL036649.D
Acq: 2 Apr 2021 17:47

Instrument :
MSVOA_L
ClientSampled :
PBS-SS-3

Tot Ion	Ratio	Lower	Upper
91	100		
106	45.2	22.3	66.9

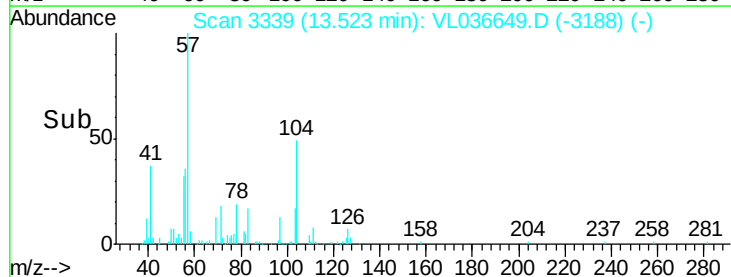
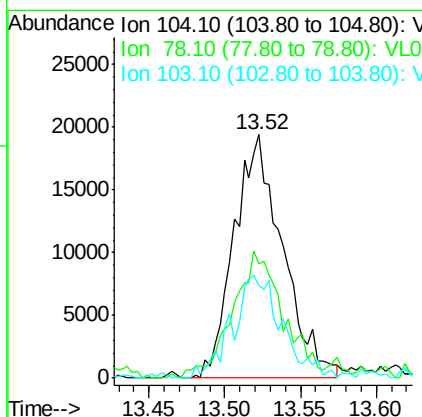
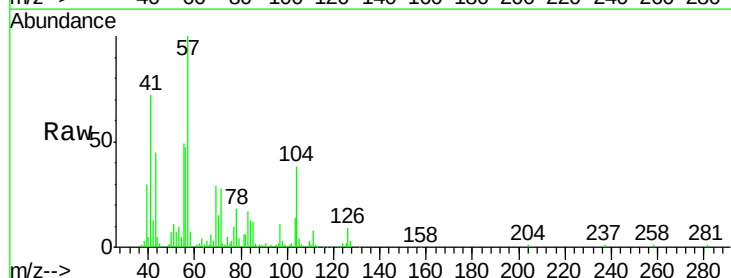
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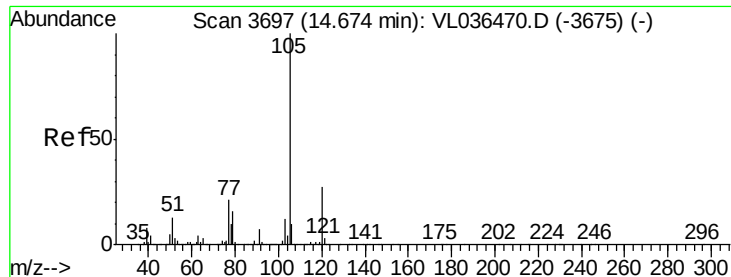
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#61
Styrene
Concen: 0.225 ppbv m
RT: 13.52 min Scan# 3339
Delta R.T. -0.01 min
Lab File: VL036649.D
Acq: 2 Apr 2021 17:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	56.9	43.8	65.8
103	44.7	38.3	57.5





#62

Isopropylbenzene

Concen: 0.279 ppbv m

RT: 14.66 min Scan# 3693

Delta R.T. -0.01 min

Lab File: VL036649.D

Acq: 2 Apr 2021 17:47

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-3

Tot Ion:105 Resp: 143337

Ion Ratio Lower Upper

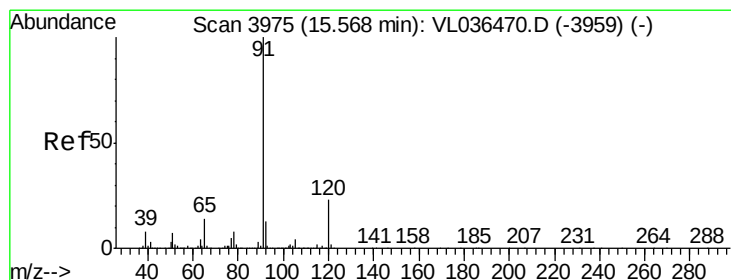
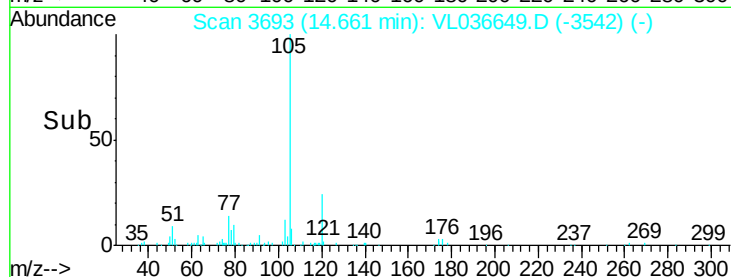
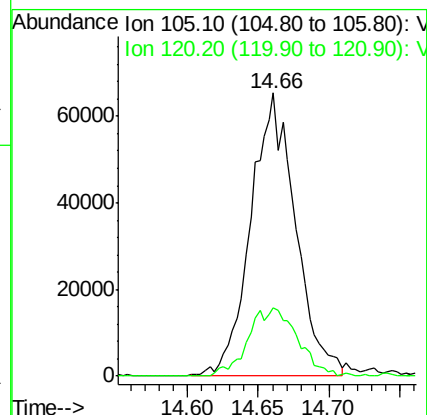
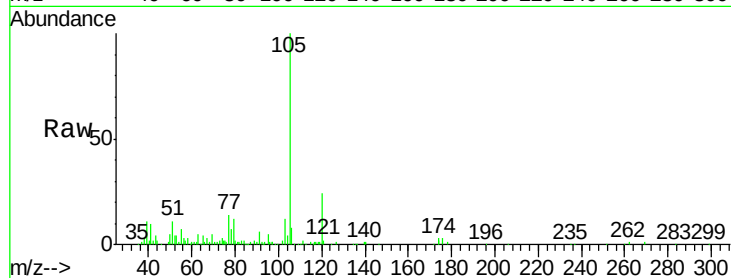
105 100

120 0.0 20.6 31.0#

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#64

n-propylbenzene

Concen: 0.549 ppbv m

RT: 15.55 min Scan# 3971

Delta R.T. -0.01 min

Lab File: VL036649.D

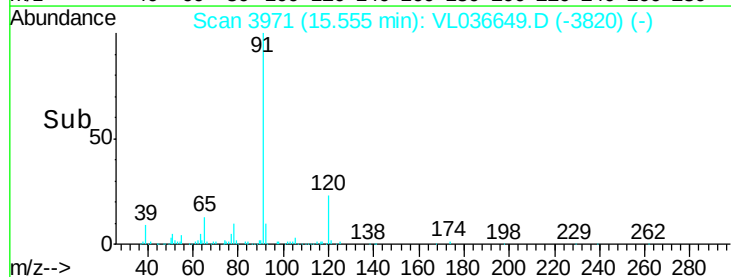
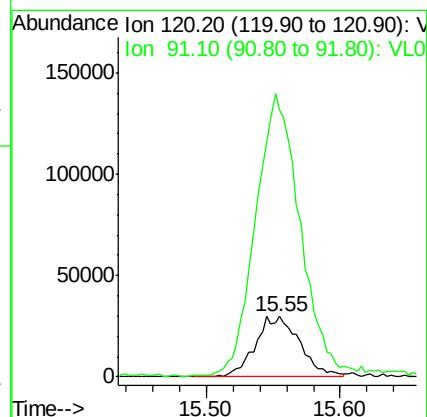
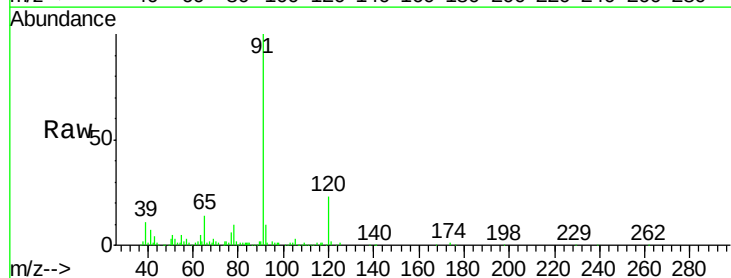
Acq: 2 Apr 2021 17:47

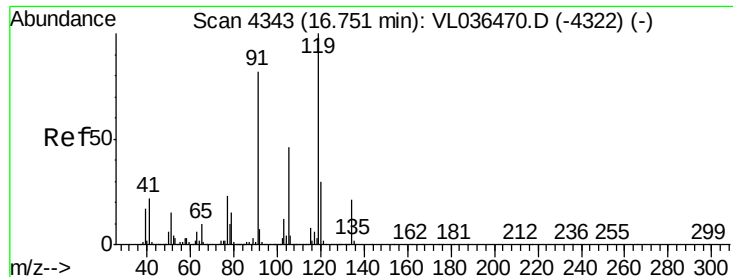
Tgt Ion:120 Resp: 68865

Ion Ratio Lower Upper

120 100

91 470.1 377.4 566.2





#65

tert-Butylbenzene

Concen: 0.351 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.01 min

Lab File: VL036649.D

Acq: 2 Apr 2021 17:47

Instrument :

MSVOA_L

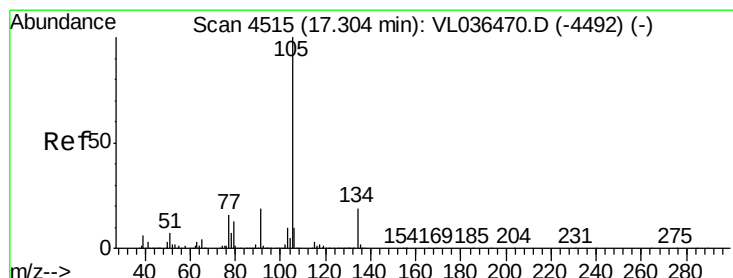
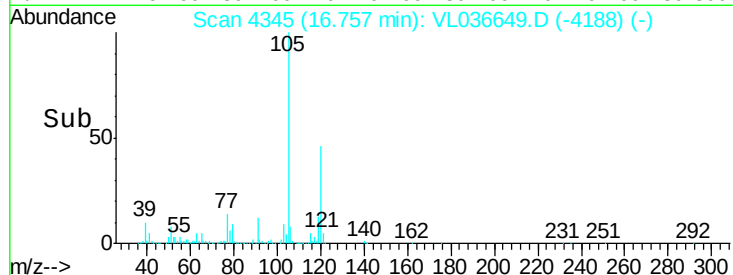
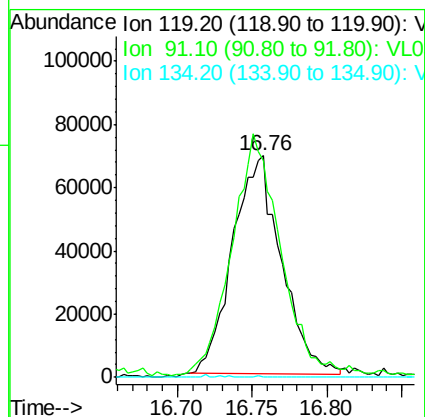
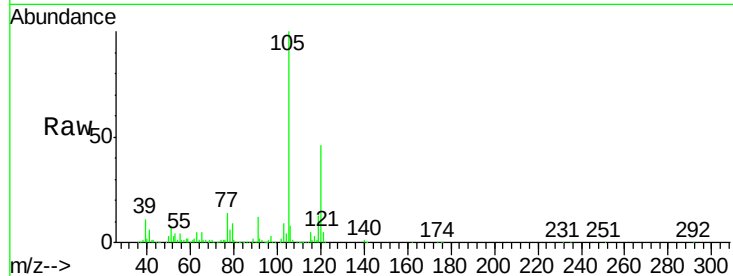
ClientSampled :

PBS-SS-3

Tot Ion:	119	Resp:	156360
Ion Ratio	Lower	Upper	
119	100		
91	112.9	67.5	101.3#
134	0.0	15.8	23.8#

Manual Integrations
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#67

sec-Butylbenzene

Concen: 0.108 ppbv m

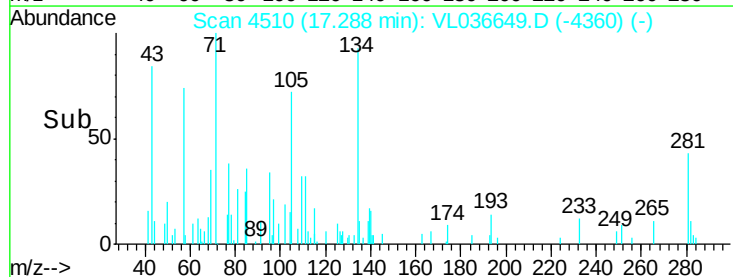
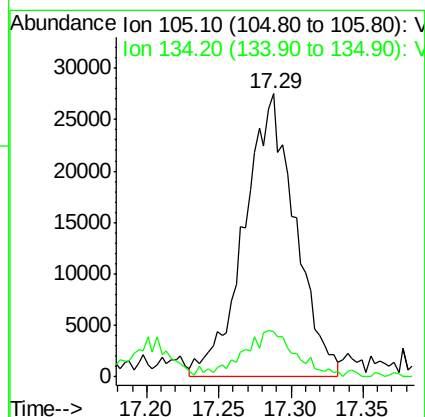
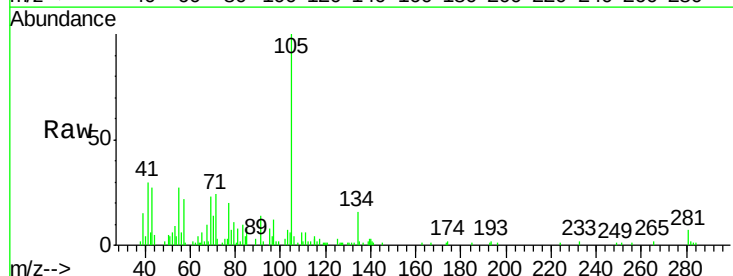
RT: 17.29 min Scan# 4510

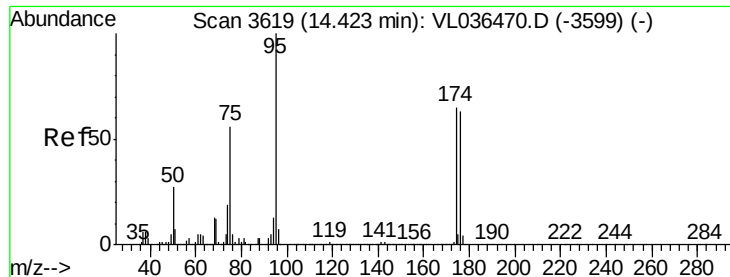
Delta R.T. -0.02 min

Lab File: VL036649.D

Acq: 2 Apr 2021 17:47

Tgt Ion:	105	Resp:	67697
Ion Ratio	Lower	Upper	
105	100		
134	17.4	14.7	22.1





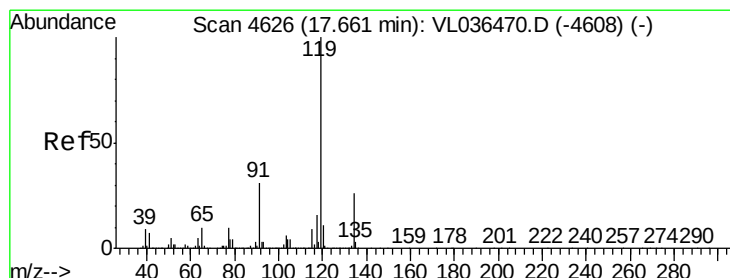
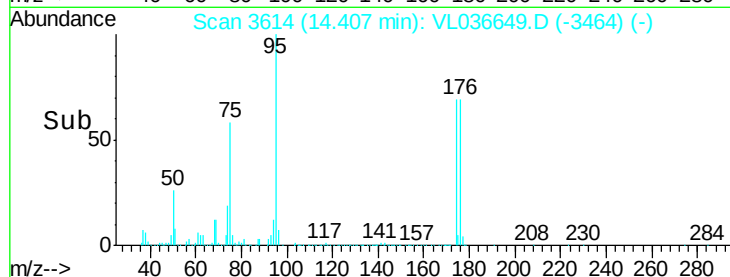
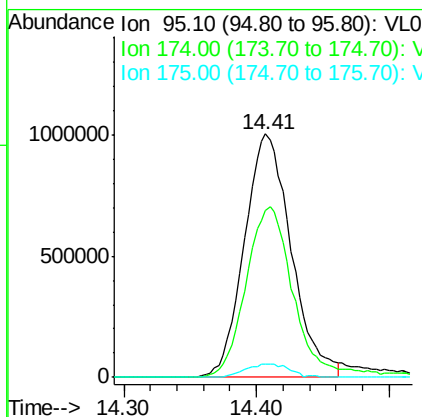
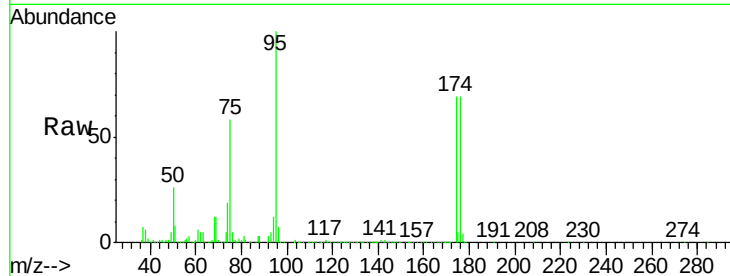
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.927 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. -0.02 min
 Lab File: VL036649.D
 Acq: 2 Apr 2021 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3

Tot Ion: 95 Resp: 2457462
 Ion Ratio Lower Upper
 95 100
 174 74.2 51.0 76.6
 175 5.6 3.9 5.9

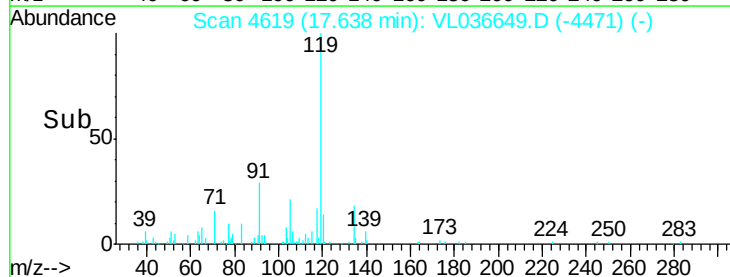
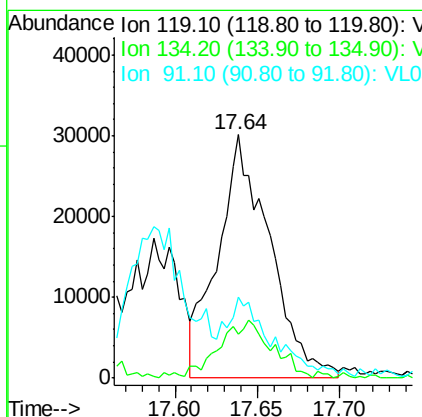
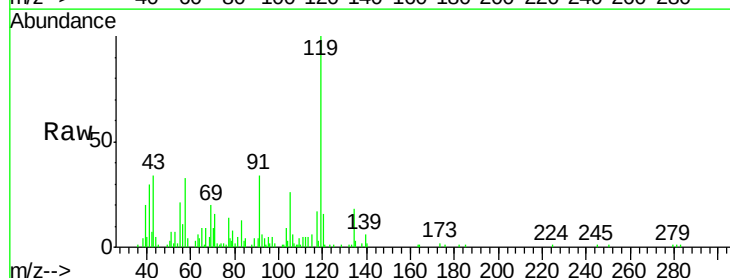
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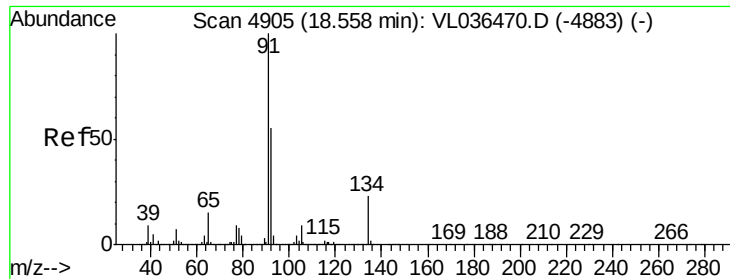
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#69
 p-Isopropyltoluene
 Concen: 0.134 ppbv m
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.02 min
 Lab File: VL036649.D
 Acq: 2 Apr 2021 17:47

Tgt Ion: 119 Resp: 65794
 Ion Ratio Lower Upper
 119 100
 134 24.6 20.6 30.8
 91 31.2 25.0 37.6





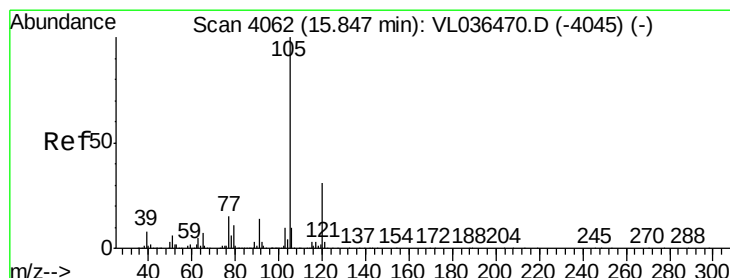
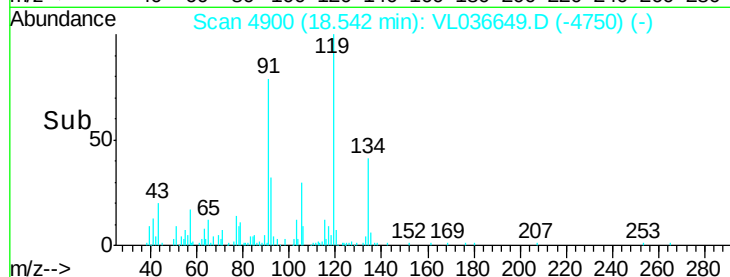
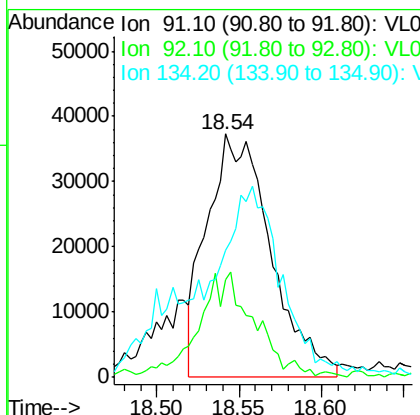
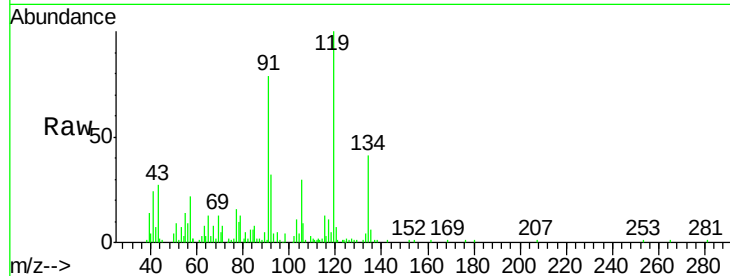
#70
n-Butylbenzene
Concen: 0.197 ppbv m
RT: 18.54 min Scan# 4900
Delta R.T. -0.02 min
Lab File: VL036649.D
Acq: 2 Apr 2021 17:47

Instrument :
MSVOA_L
ClientSampled :
PBS-SS-3

Tot Ion	Ratio	Lower	Upper
91	100		
92	39.8	43.8	65.8#
134	0.0	18.0	27.0#

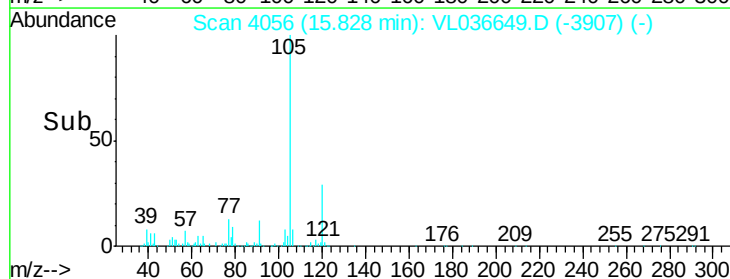
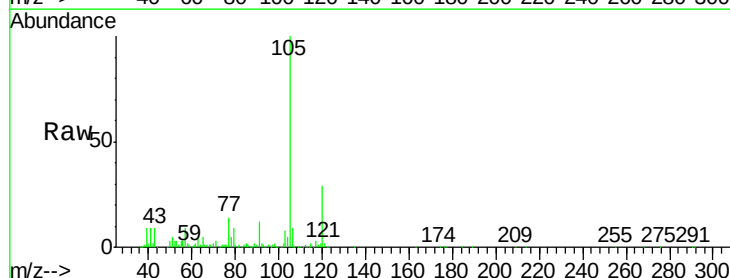
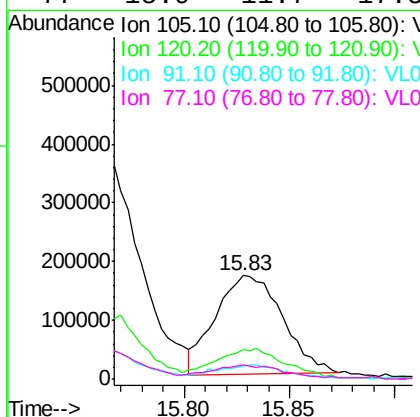
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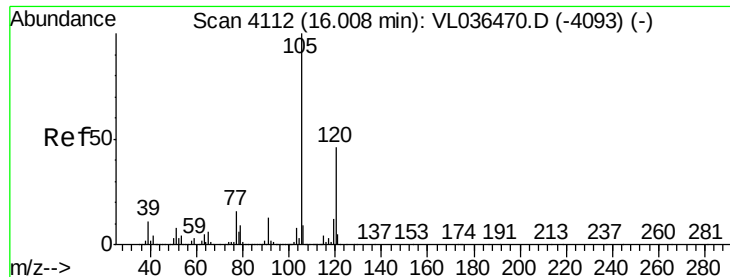
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#72
4-Ethyltoluene
Concen: 0.878 ppbv
RT: 15.83 min Scan# 4056
Delta R.T. -0.02 min
Lab File: VL036649.D
Acq: 2 Apr 2021 17:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	33.0	24.0	36.0
91	14.2	11.0	16.4
77	15.9	11.7	17.5





#73

1,3,5-Trimethylbenzene

Concen: 1.217 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.02 min

Lab File: VL036649.D

Acq: 2 Apr 2021 17:47

Instrument :

MSVOA_L

ClientSampled :

PBS-SS-3

Tot Ion:105 Resp: 474240

Ion Ratio Lower Upper

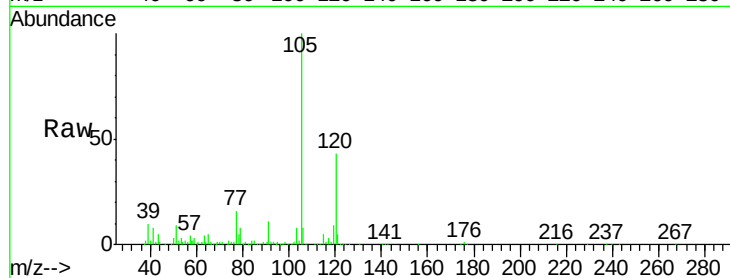
105 100

120 42.7 36.6 54.8

Manual Integrations
APPROVED

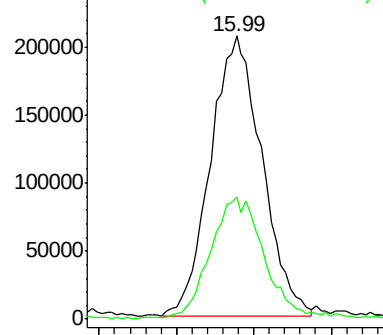
apatel

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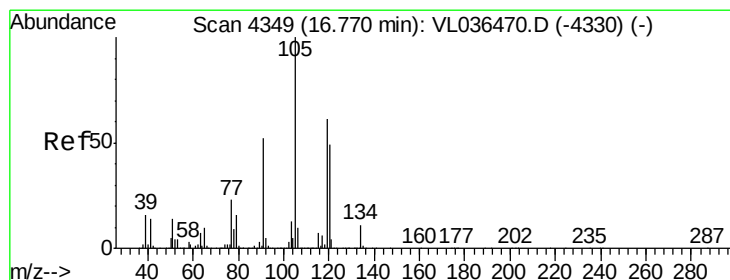
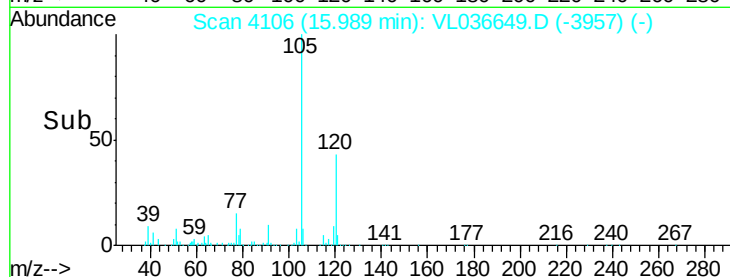


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 3.431 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.02 min

Lab File: VL036649.D

Acq: 2 Apr 2021 17:47

Tgt Ion:105 Resp: 1431108

Ion Ratio Lower Upper

105 100

120 43.9 39.2 58.8

91 12.9 42.6 64.0#

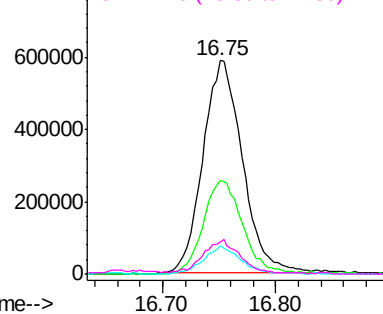
77 14.7 18.6 28.0#

Abundance Ion 105.10 (104.80 to 105.80): V

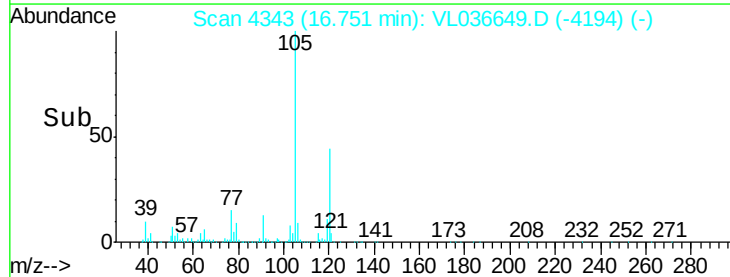
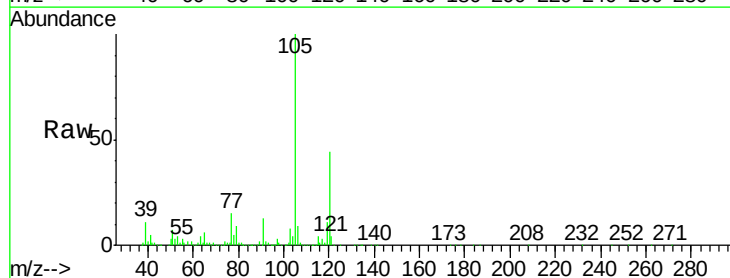
Ion 120.20 (119.90 to 120.90): V

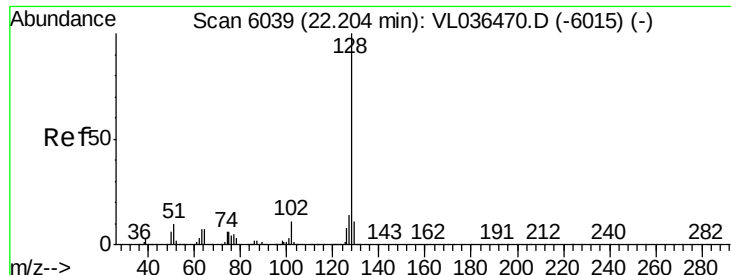
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->





#79

Naphthalene

Concen: 0.134 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.01 min

Lab File: VL036649.D

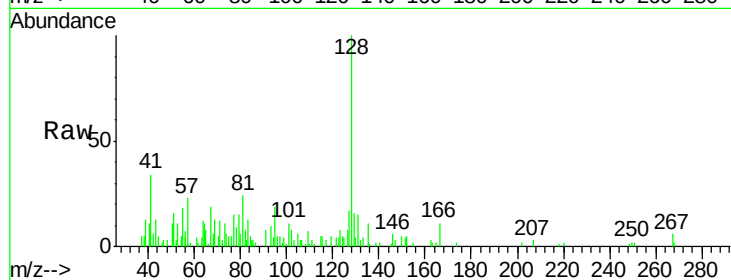
Acq: 2 Apr 2021 17:47

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-3



Tot Ion:	128	Resp:	32568
Ion Ratio	Lower	Upper	
128	100		
127	15.3	10.9	16.3
129	17.3	9.0	13.4

Manual Integrations
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