

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036650.D
 Acq On : 2 Apr 2021 18:25
 Operator : SY/AP
 Sample : M1841-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3DL

Manual Integrations
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Quant Time: Apr 03 10:09:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 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	5.65	49	1410215	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3654973	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3235207	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2474766	9.60	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	55727m	0.663	ppbv	
10) Heptane	8.12	43	914082	4.272	ppbv #	28
13) Ethanol	3.60	45	278932	27.886	ppbv	94
15) Acetone	3.84	43	996340m	7.178	ppbv	
17) tert-Butyl alcohol	4.31	59	84442m	0.699	ppbv	
19) Isopropyl Alcohol	3.97	45	1017257	13.323	ppbv #	1
20) Methylene Chloride	4.33	84	268689	4.135	ppbv	93
26) Hexane	5.68	57	2998462	19.581	ppbv #	47
30) Cyclohexane	7.12	84	357015	2.875	ppbv	90
34) 2-Butanone	5.24	43	197993m	1.110	ppbv	
36) Benzene	6.88	78	746373	2.214	ppbv	99
44) 2,2,4-Trimethylpentane	7.86	57	16920745	28.521	ppbv #	86
53) Toluene	9.80	91	91204	0.254	ppbv	99
59) m/p-Xylene	12.96	91	114277m	0.278	ppbv	
60) o-Xylene	13.68	91	56463m	0.142	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	78024m	0.180	ppbv	

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

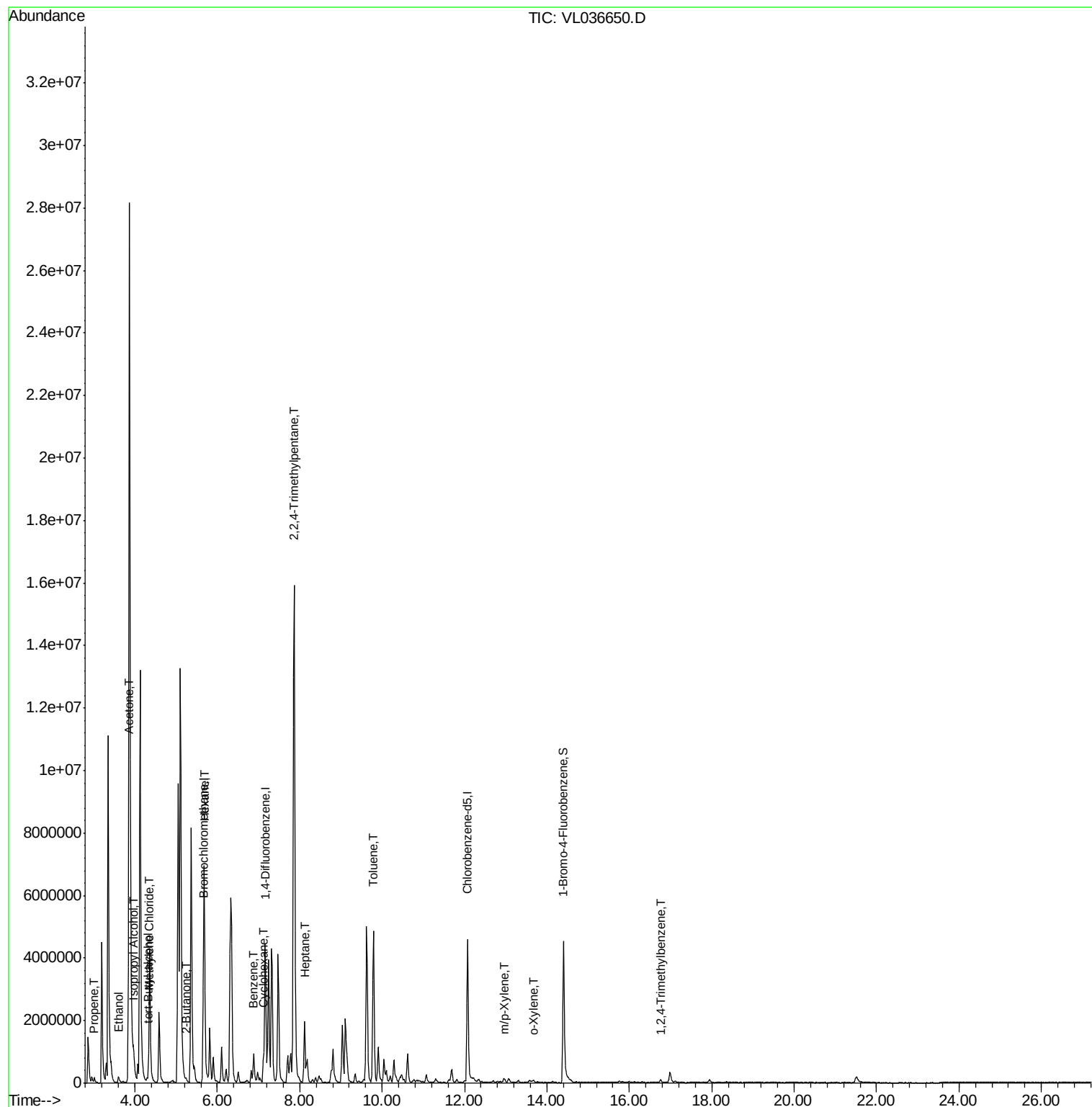
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\
Data File : VL036650.D
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ALS Vial : 1 Sample Multiplier: 1

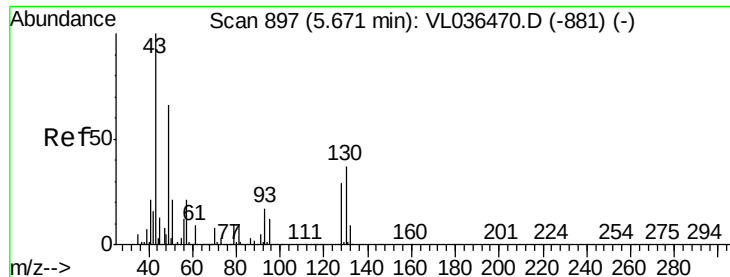
Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3DL

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Quant Time: Apr 03 10:09:03 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





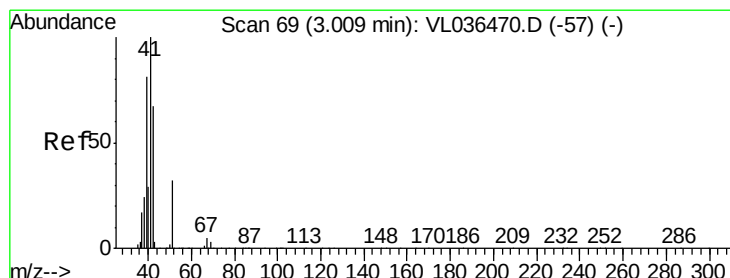
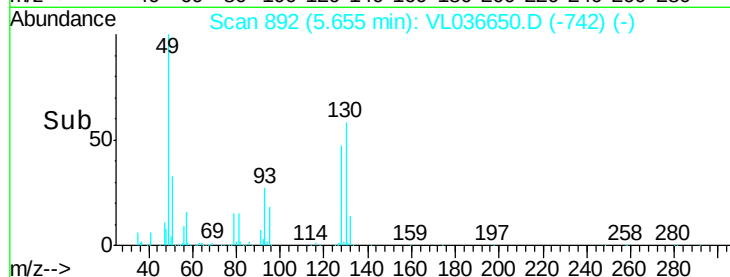
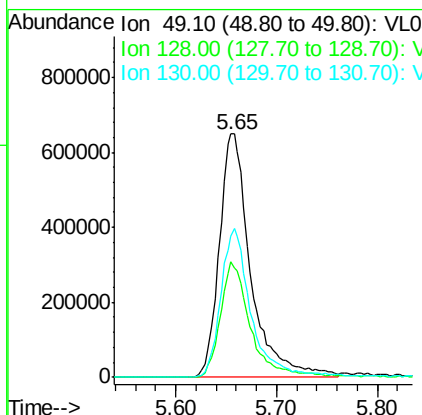
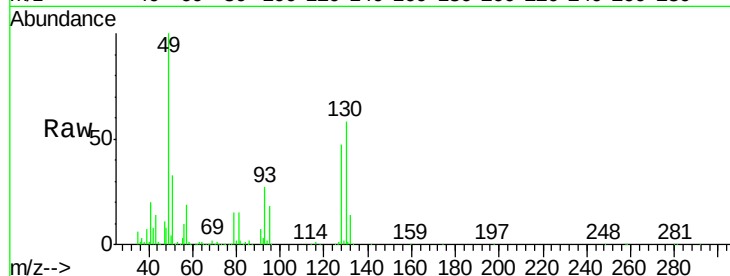
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL036650.D
Acq: 2 Apr 2021 18:25

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3DL

Tot Ion: 49 Resp: 1410215
Ion Ratio Lower Upper
49 100
128 46.5 23.5 70.6
130 59.8 29.1 87.4

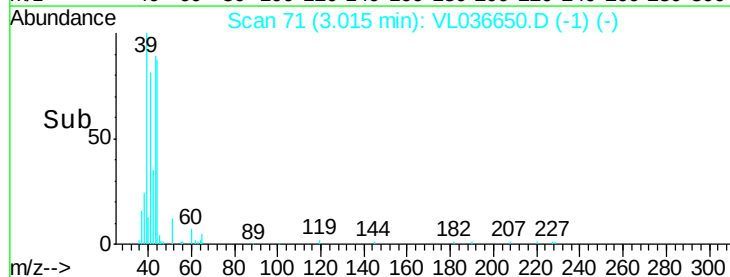
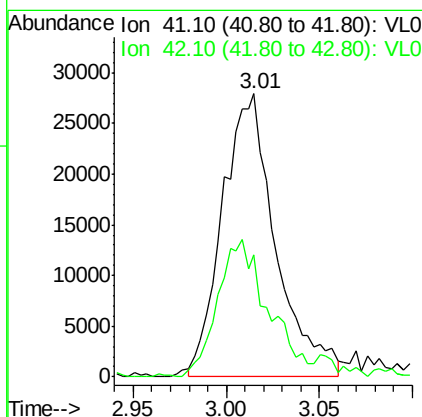
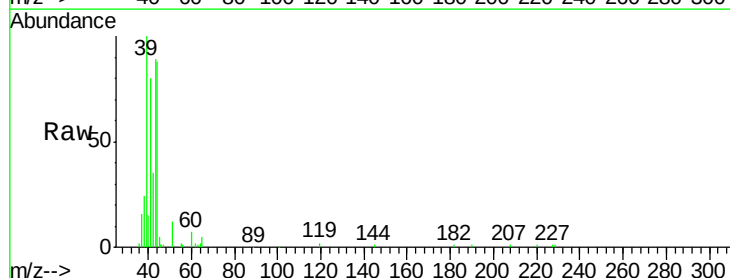
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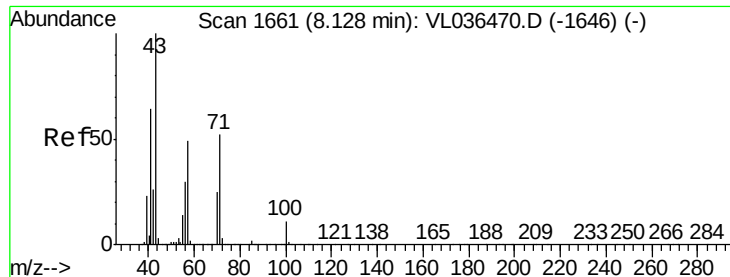
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#9
Propene
Concen: 0.663 ppbv m
RT: 3.01 min Scan# 71
Delta R.T. 0.01 min
Lab File: VL036650.D
Acq: 2 Apr 2021 18:25

Tgt Ion: 41 Resp: 55727
Ion Ratio Lower Upper
41 100
42 1975.9 57.0 85.4#





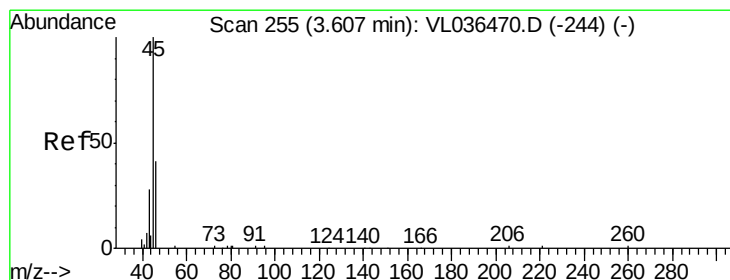
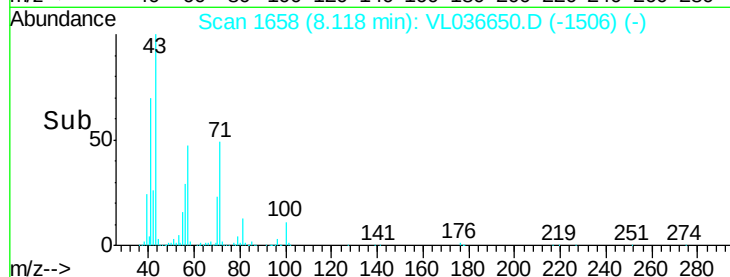
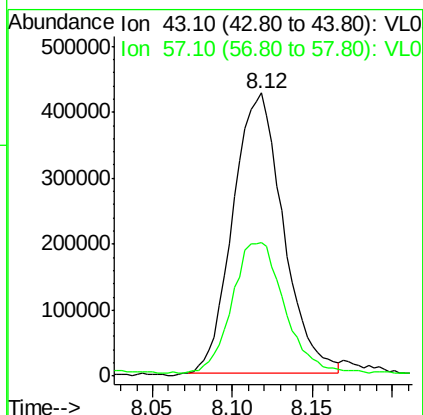
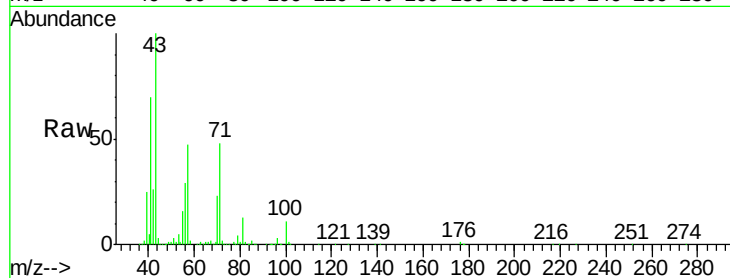
#10
Heptane
Concen: 4.272 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VL036650.D
Acq: 2 Apr 2021 18:25

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3DL

Tot Ion: 43 Resp: 914082
Ion Ratio Lower Upper
43 100
57 0.0 39.0 58.6#

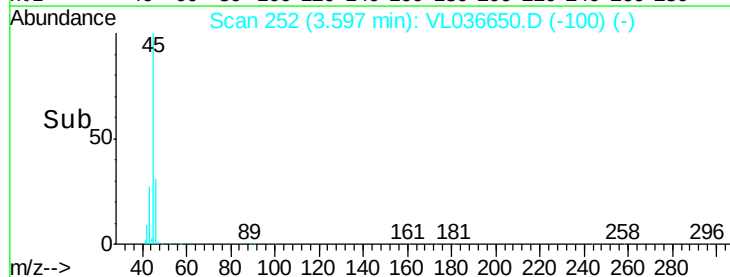
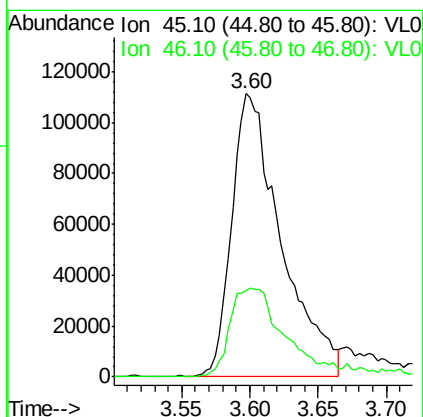
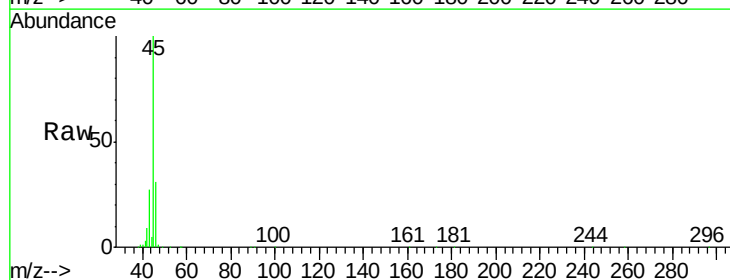
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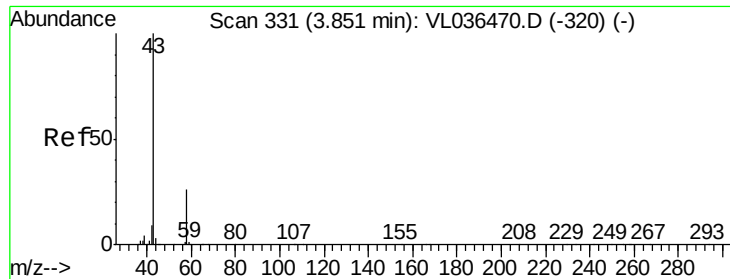
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#13
Ethanol
Concen: 27.886 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL036650.D
Acq: 2 Apr 2021 18:25

Tgt Ion: 45 Resp: 278932
Ion Ratio Lower Upper
45 100
46 37.6 16.6 66.2





#15

Acetone

Concen: 7.178 ppbv m

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL036650.D

Acq: 2 Apr 2021 18:25

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-3DL

Tot Ion: 43 Resp: 996340

Ion Ratio Lower Upper

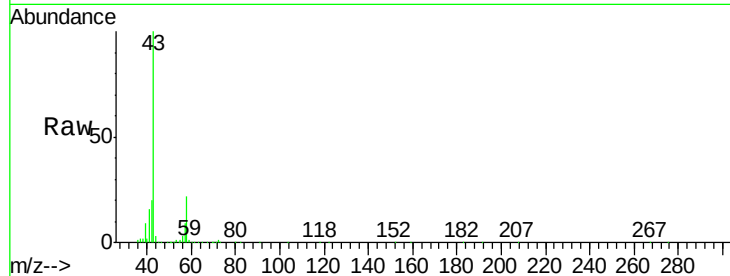
43 100

58 0.0 21.2 31.8#

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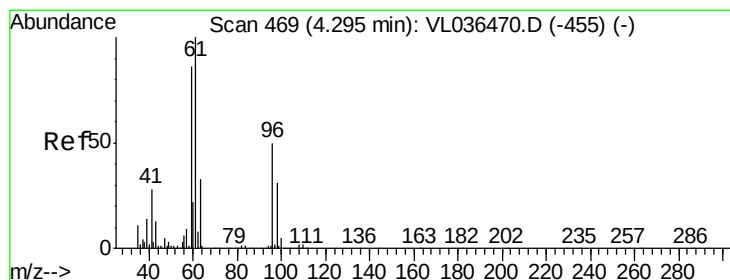
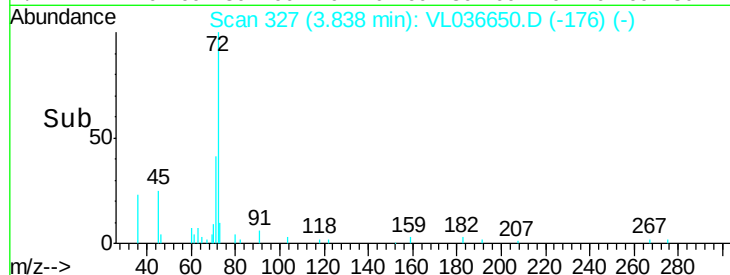
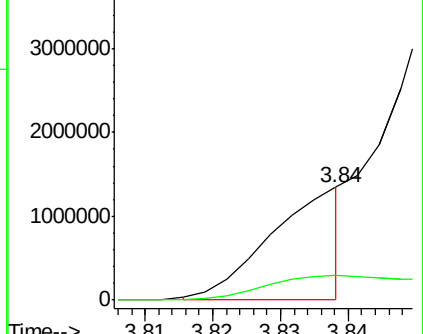
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#17

tert-Butyl alcohol

Concen: 0.699 ppbv m

RT: 4.31 min Scan# 475

Delta R.T. 0.02 min

Lab File: VL036650.D

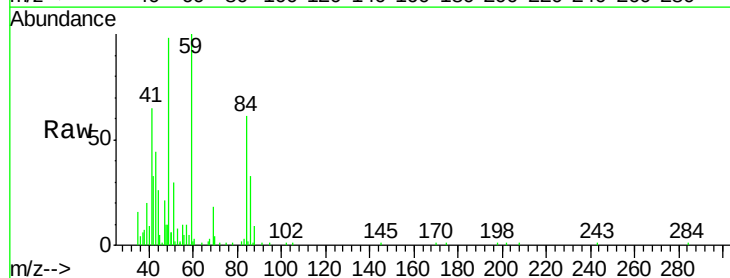
Acq: 2 Apr 2021 18:25

Tgt Ion: 59 Resp: 84442

Ion Ratio Lower Upper

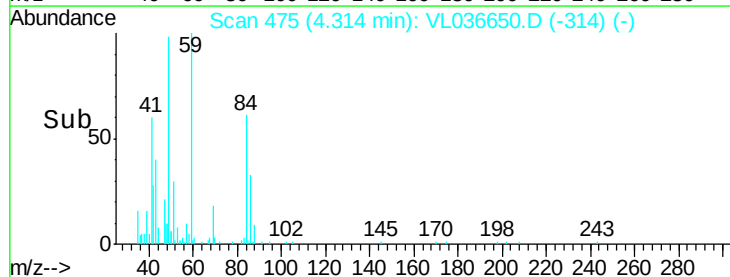
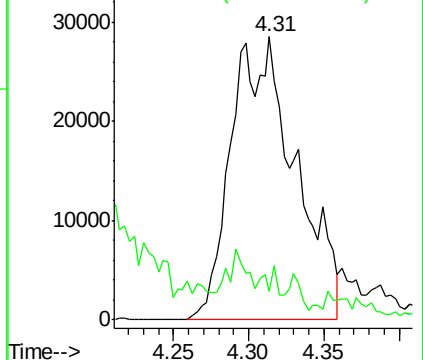
59 100

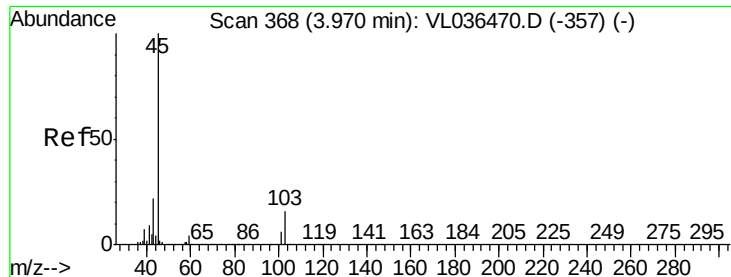
57 0.0 8.6 12.8#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#19

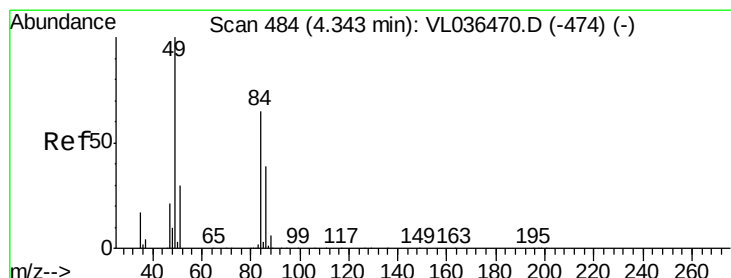
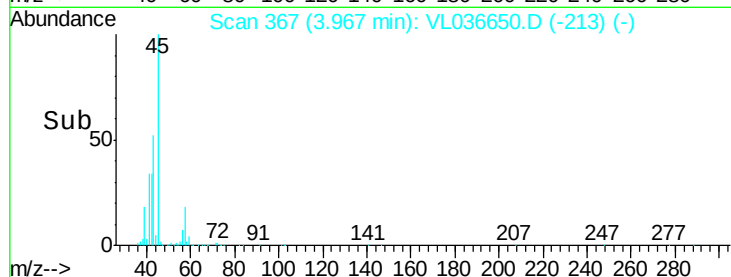
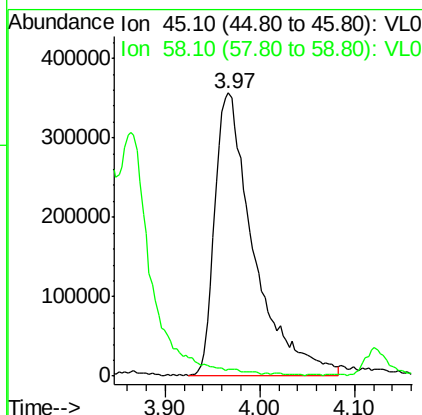
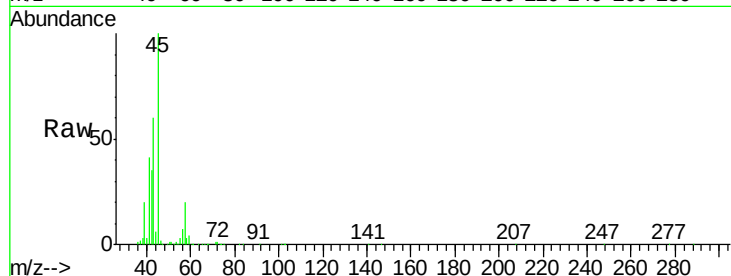
Isopropyl Alcohol
 Concen: 13.323 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VL036650.D
 Acq: 2 Apr 2021 18:25

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3DL

Tot Ion: 45 Resp: 1017257
 Ion Ratio Lower Upper
 45 100
 58 108.8 2.9 4.3#

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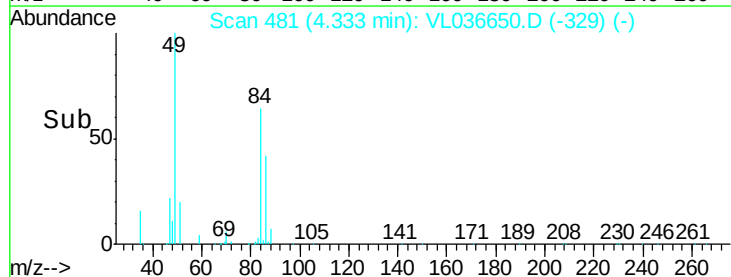
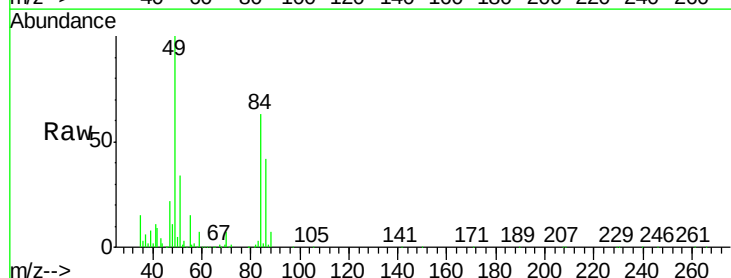
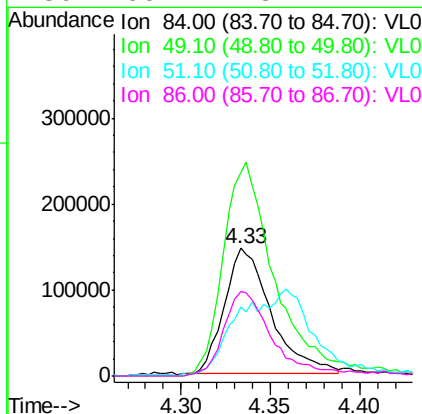
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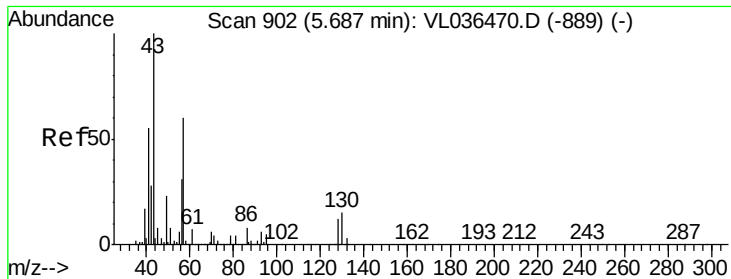


#20

Methylene Chloride
 Concen: 4.135 ppbv
 RT: 4.33 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: VL036650.D
 Acq: 2 Apr 2021 18:25

Tgt Ion: 84 Resp: 268689
 Ion Ratio Lower Upper
 84 100
 49 161.4 122.9 184.3
 51 54.0 36.9 55.3
 86 66.1 48.2 72.4





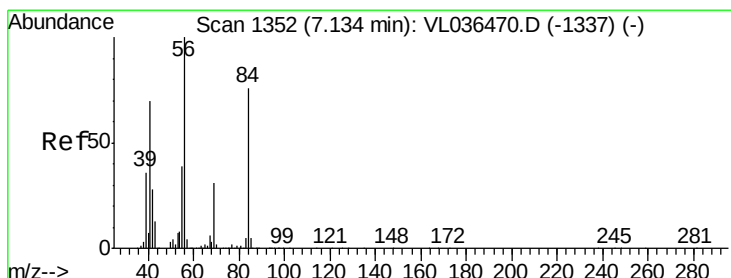
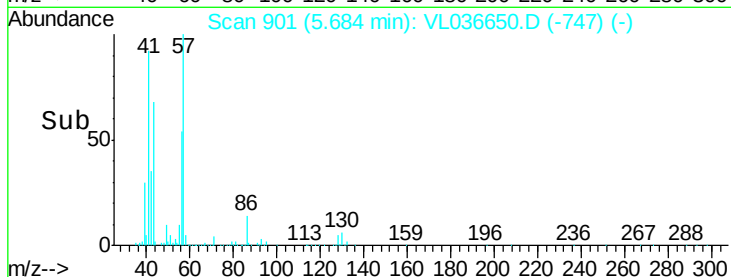
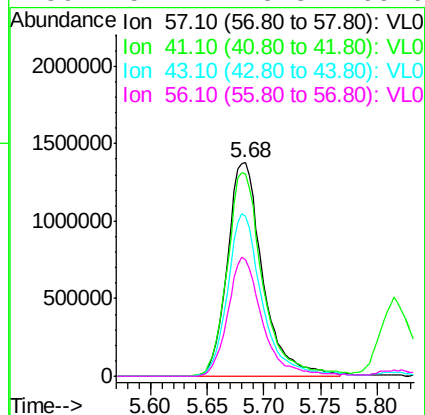
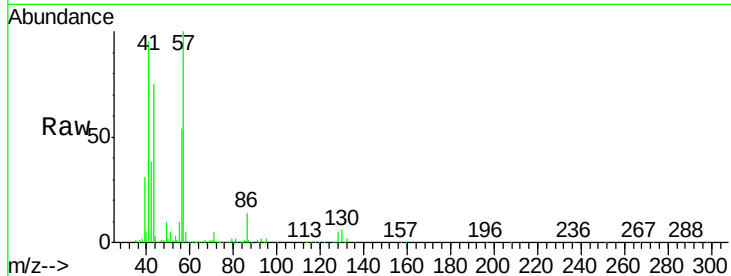
#26
Hexane
Concen: 19.581 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036650.D
Acq: 2 Apr 2021 18:25

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3DL

Tot Ion	57	Resp	2998462
Ion	Ratio	Lower	Upper
57	100		
41	96.2	77.2	115.8
43	74.2	173.8	260.6#
56	54.4	43.8	65.6

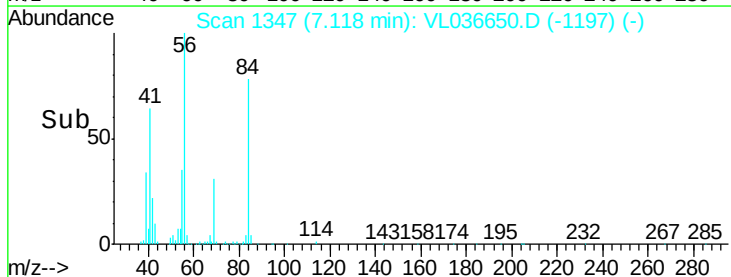
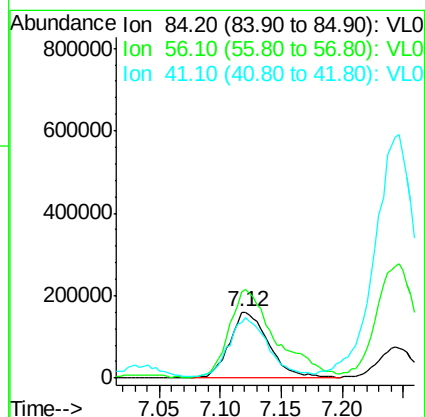
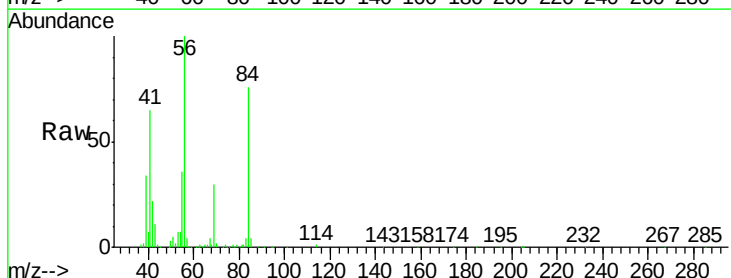
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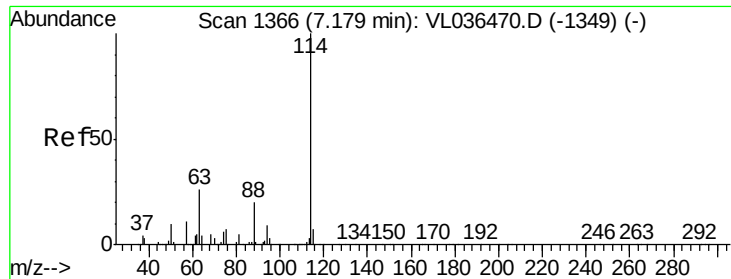
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#30
Cyclohexane
Concen: 2.875 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL036650.D
Acq: 2 Apr 2021 18:25

Tgt Ion	84	Resp	357015
Ion	Ratio	Lower	Upper
84	100		
56	158.5	114.6	171.8
41	87.3	75.3	112.9





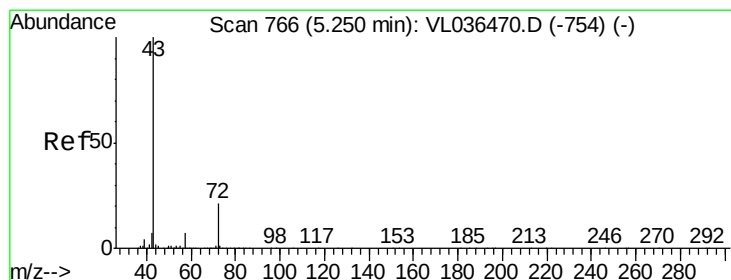
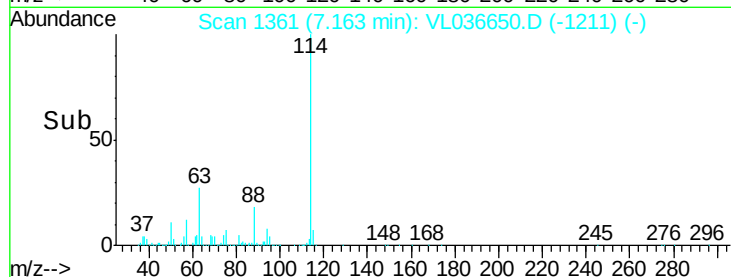
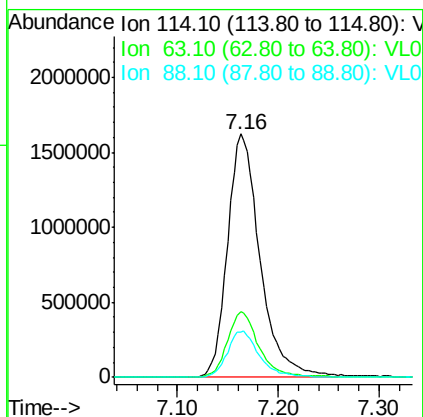
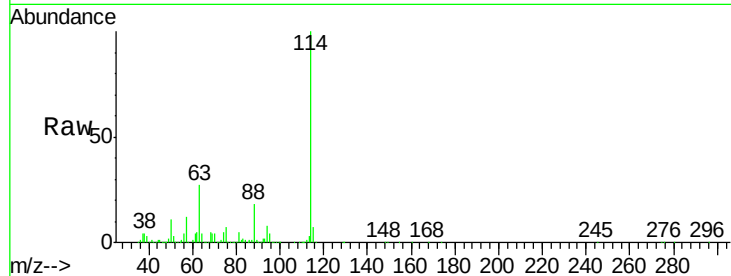
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 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036650.D
 Acq: 2 Apr 2021 18:25

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	22.4	33.6
88	18.9	15.4	23.0

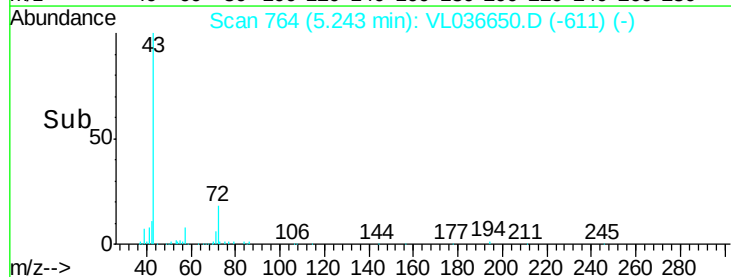
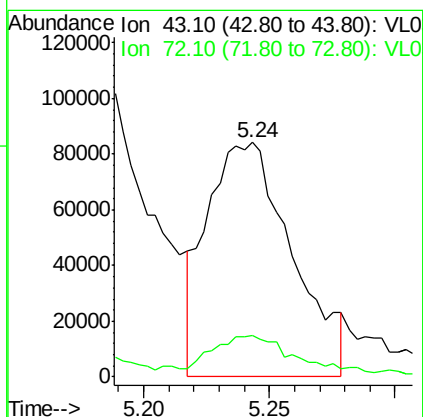
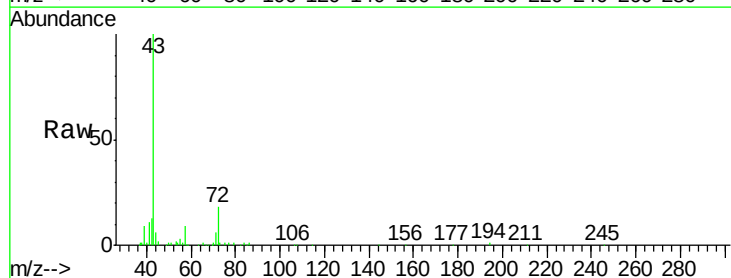
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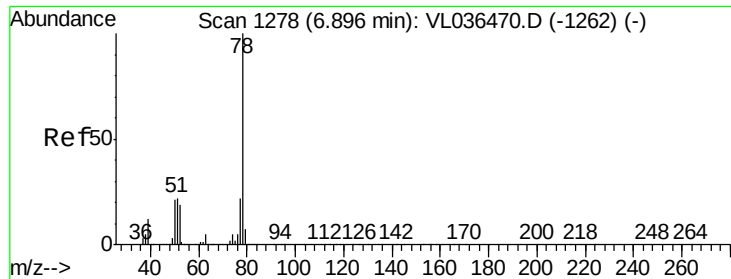
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#34
 2-Butanone
 Concen: 1.110 ppbv m
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL036650.D
 Acq: 2 Apr 2021 18:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.0	25.6#





#36

Benzene

Concen: 2.214 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL036650.D

Acq: 2 Apr 2021 18:25

Instrument :

MSVOA_L

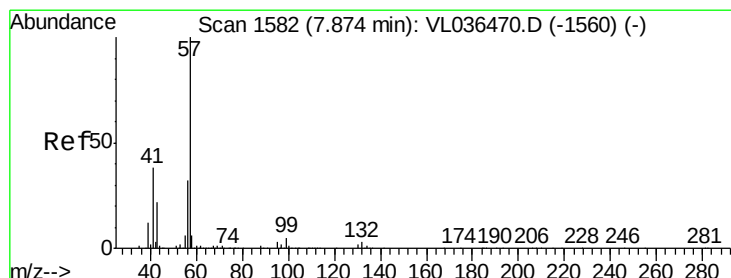
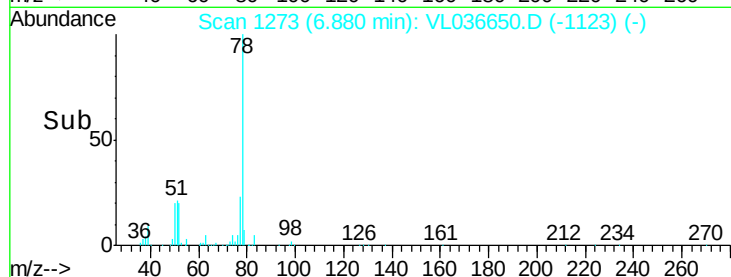
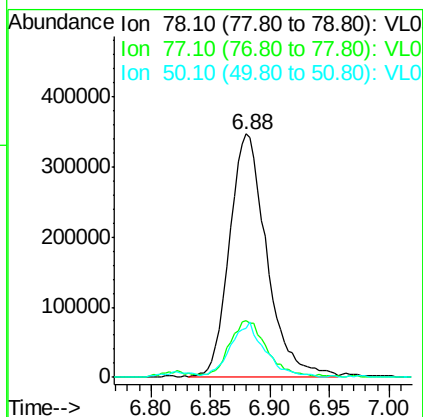
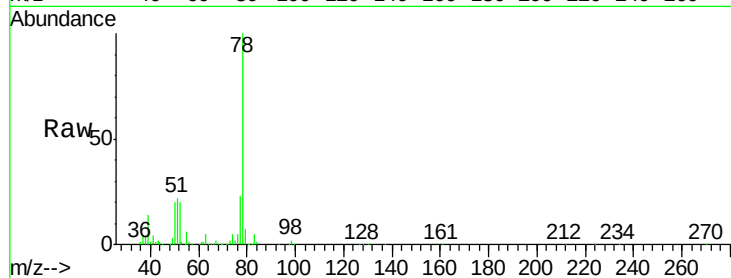
ClientSampleId :

PBS-SS-3DL

Tot Ion:	78	Resp:	746373
Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.0	27.0
50	19.9	16.5	24.7

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 28.521 ppbv

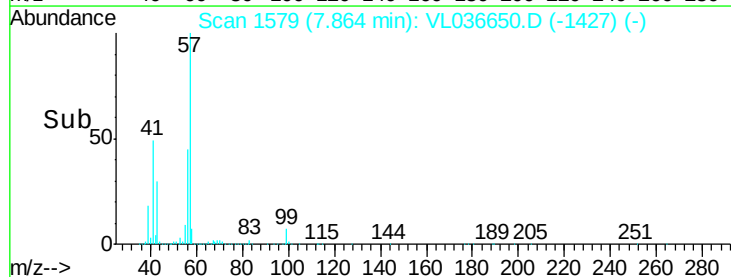
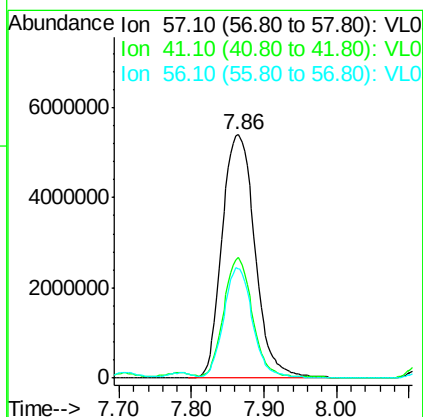
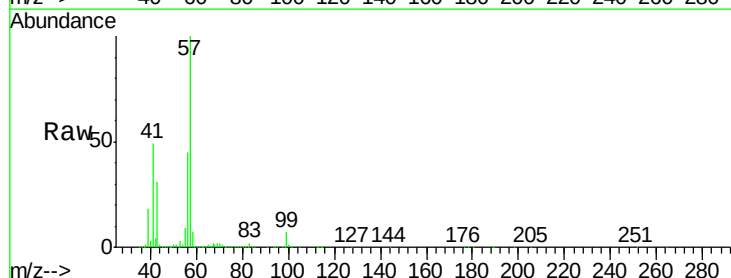
RT: 7.86 min Scan# 1579

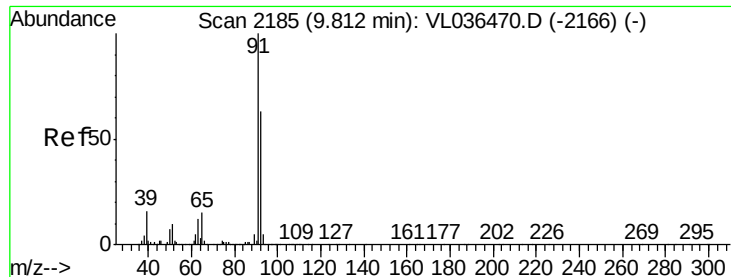
Delta R.T. -0.01 min

Lab File: VL036650.D

Acq: 2 Apr 2021 18:25

Tgt Ion:	57	Resp:	16920745
Ion	Ratio	Lower	Upper
57	100		
41	44.1	28.8	43.2#
56	40.2	26.1	39.1#





#53

Toluene

Concen: 0.254 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL036650.D

Acq: 2 Apr 2021 18:25

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-3DL

Tot Ion: 91 Resp: 91204

Ion Ratio Lower Upper

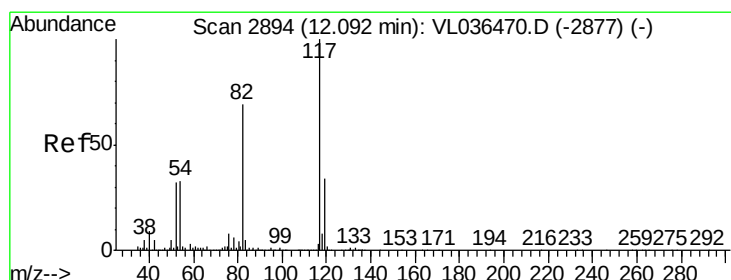
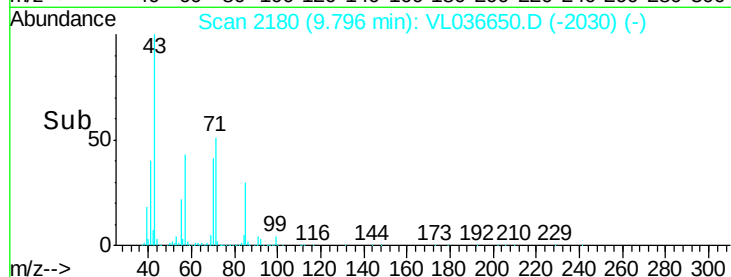
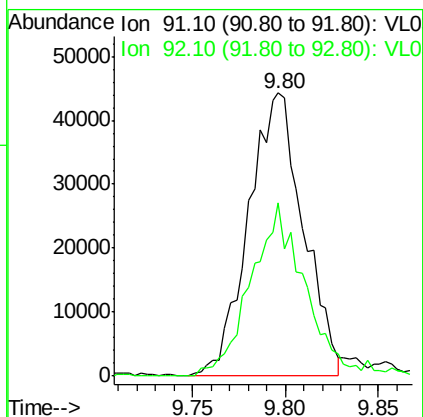
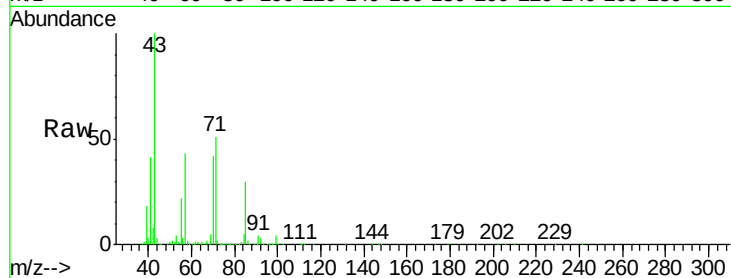
91 100

92 61.7 48.8 73.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL036650.D

Acq: 2 Apr 2021 18:25

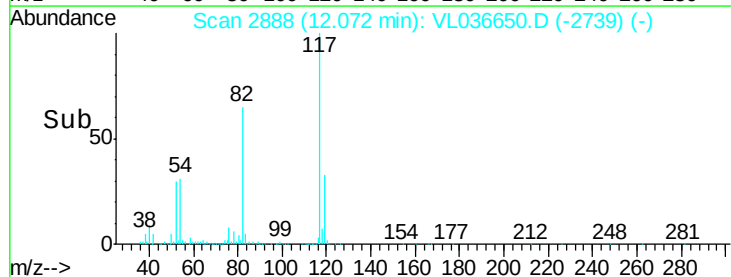
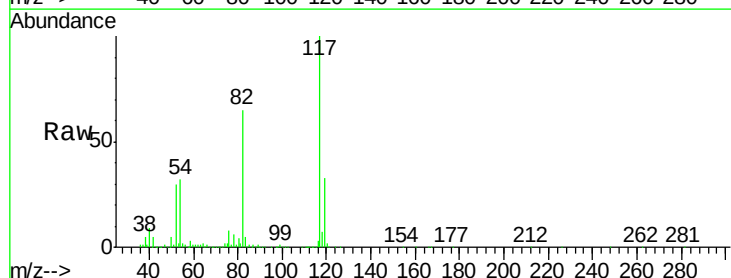
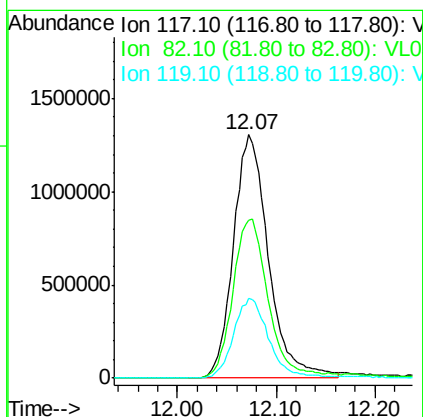
Tgt Ion: 117 Resp: 3235207

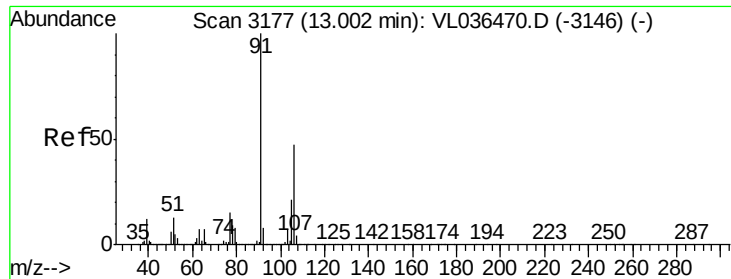
Ion Ratio Lower Upper

117 100

82 68.3 57.4 86.0

119 33.4 47.4 71.0#





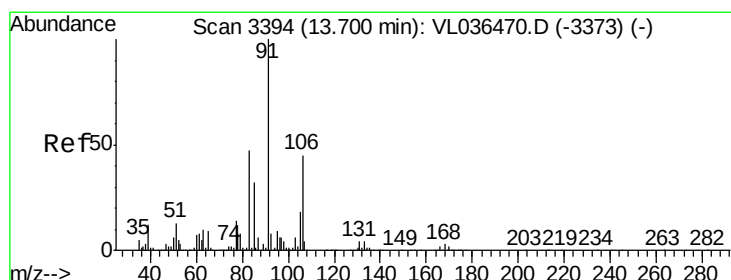
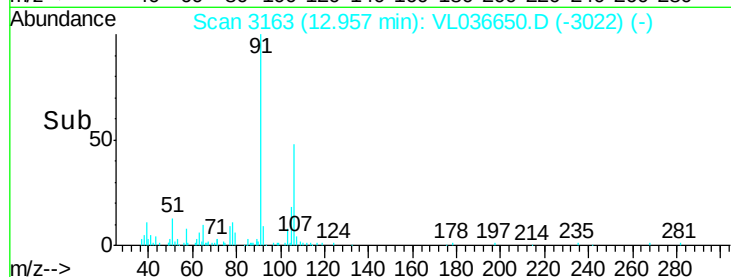
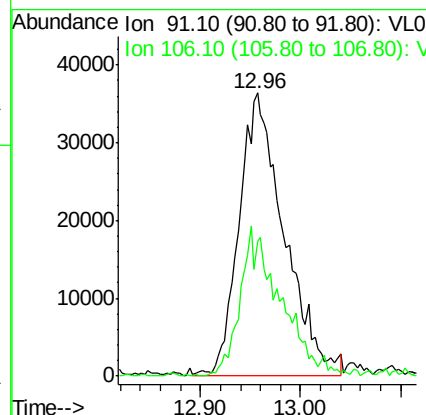
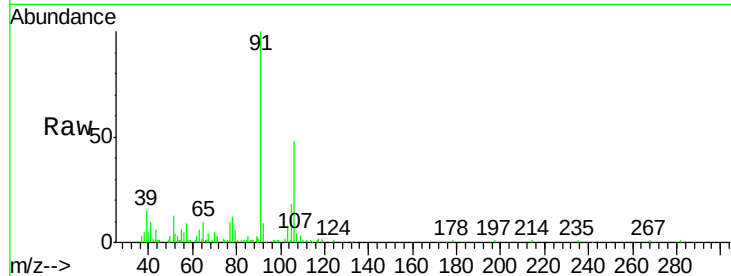
#59
m/p-Xylene
Concen: 0.278 ppbv m
RT: 12.96 min Scan# 3163
Delta R.T. -0.05 min
Lab File: VL036650.D
Acq: 2 Apr 2021 18:25

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-3DL

Tot Ion: 91 Resp: 114277
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#

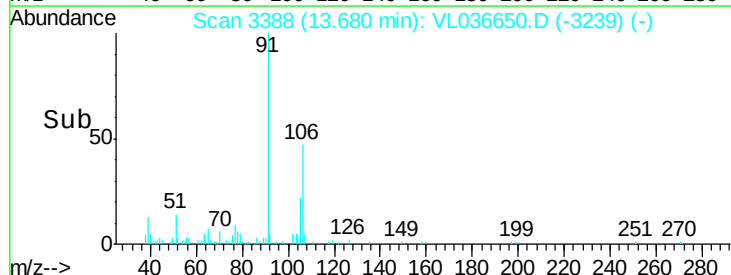
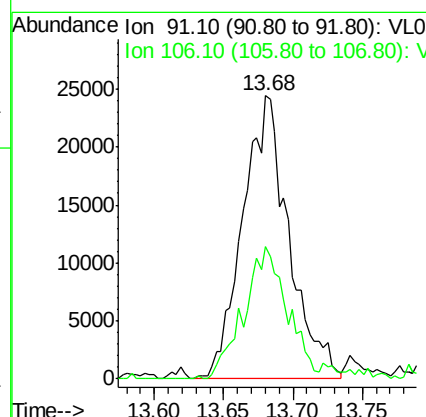
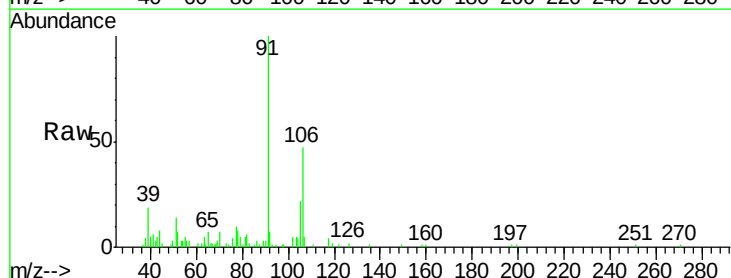
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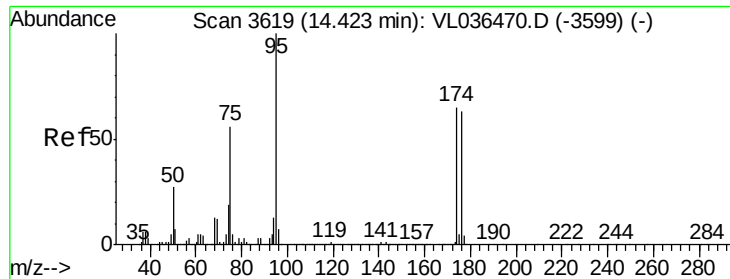
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#60
o-Xylene
Concen: 0.142 ppbv m
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL036650.D
Acq: 2 Apr 2021 18:25

Tgt Ion: 91 Resp: 56463
Ion Ratio Lower Upper
91 100
106 47.5 22.3 66.9





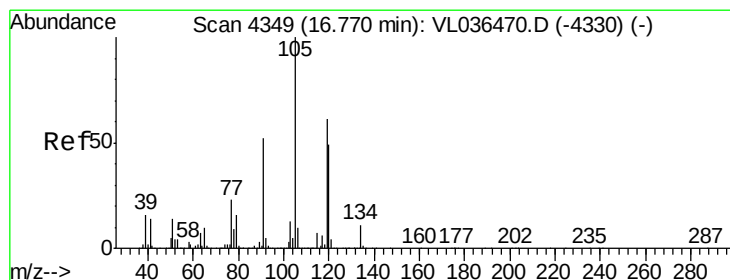
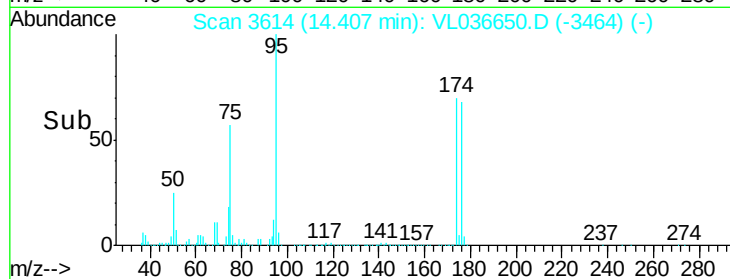
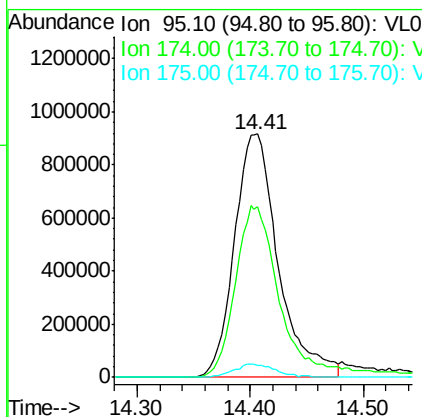
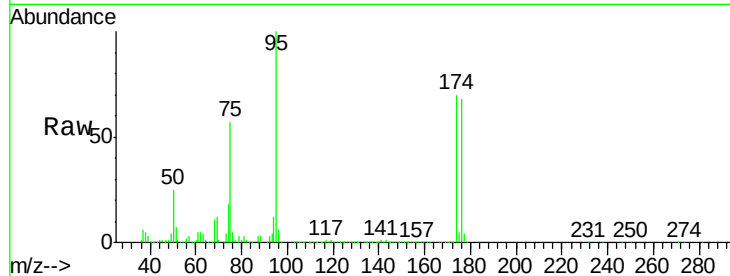
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.598 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. -0.02 min
 Lab File: VL036650.D
 Acq: 2 Apr 2021 18:25

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-3DL

Tot Ion: 95 Resp: 2474766
 Ion Ratio Lower Upper
 95 100
 174 74.8 51.0 76.6
 175 5.7 3.9 5.9

Manual Integrations
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.180 ppbv m
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL036650.D
 Acq: 2 Apr 2021 18:25

Tgt Ion: 105 Resp: 78024
 Ion Ratio Lower Upper
 105 100
 120 46.4 39.2 58.8
 91 13.7 42.6 64.0#
 77 14.8 18.6 28.0#

