

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036647.D
 Acq On : 2 Apr 2021 16:26
 Operator : SY/AP
 Sample : M1841-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-4DL

Manual Integrations
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Quant Time: Apr 04 16:41:42 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	1431008	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3702558	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3248089	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2583749	9.98	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	14488m	0.170	ppbv	
10) Heptane	8.10	43	25658m	0.118	ppbv	
13) Ethanol	3.60	45	85585	8.432	ppbv	92
15) Acetone	3.84	43	1312404	9.318	ppbv	98
19) Isopropyl Alcohol	3.97	45	539886m	6.968	ppbv	
20) Methylene Chloride	4.33	84	332826	5.047	ppbv	90
26) Hexane	5.67	57	263768	1.697	ppbv #	48
29) Chloroform	5.74	83	32353m	0.130	ppbv	
34) 2-Butanone	5.24	43	101176	0.560	ppbv	93
36) Benzene	6.88	78	33763	0.099	ppbv	96
52) Tetrachloroethene	11.20	164	19011m	0.151	ppbv	
53) Toluene	9.80	91	87719	0.241	ppbv	96
59) m/p-Xylene	12.96	91	103837m	0.252	ppbv	
60) o-Xylene	13.68	91	55030m	0.138	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	71031m	0.163	ppbv	

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

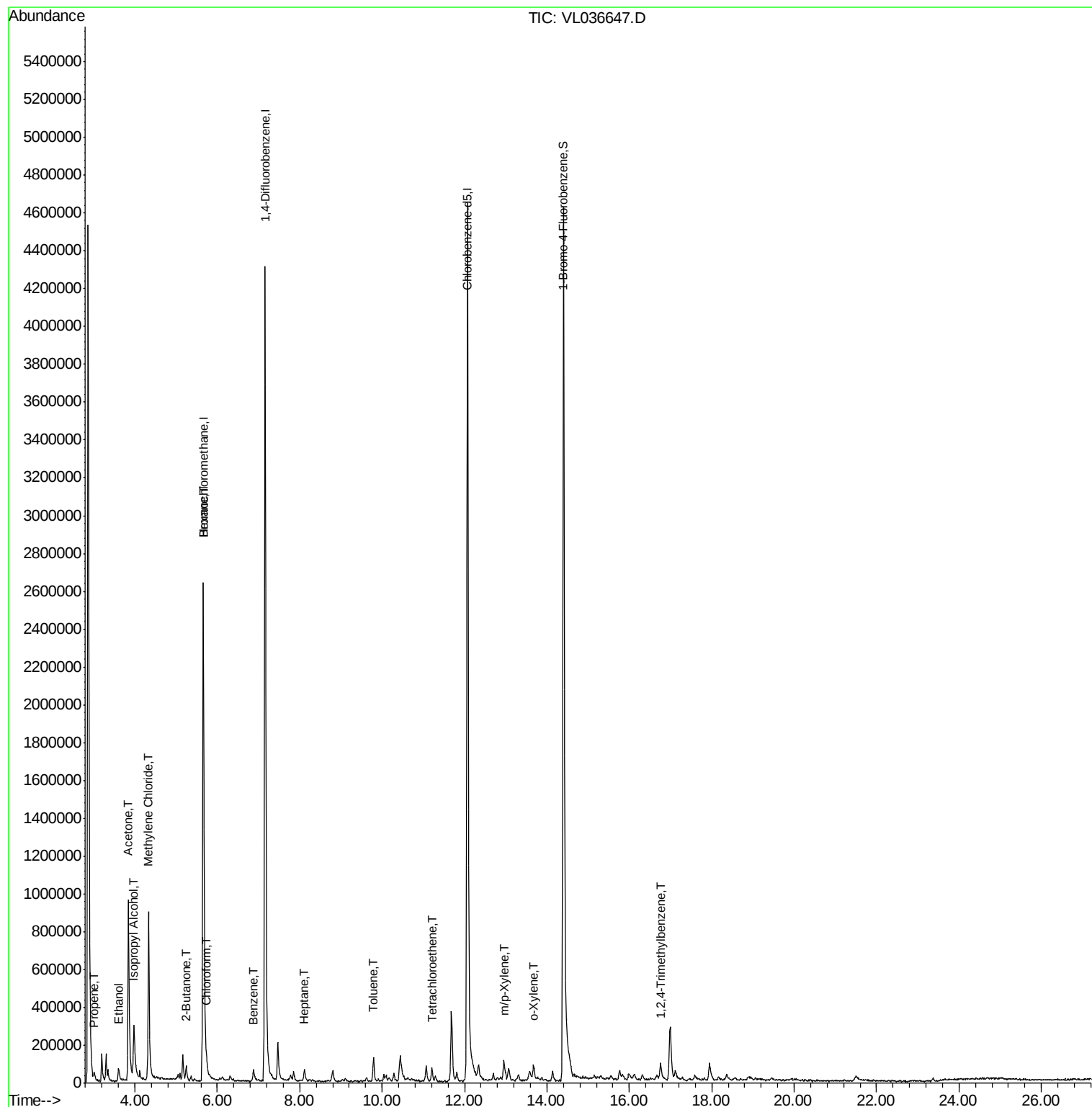
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\
Data File : VL036647.D
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ALS Vial : 1 Sample Multiplier: 1

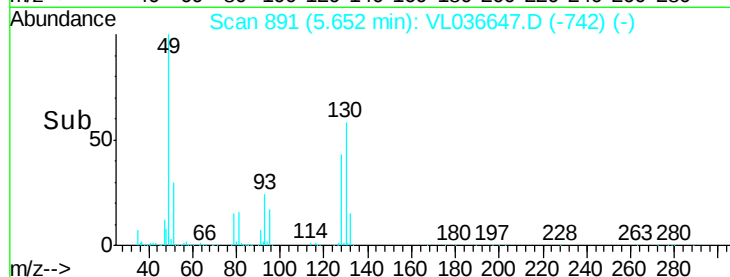
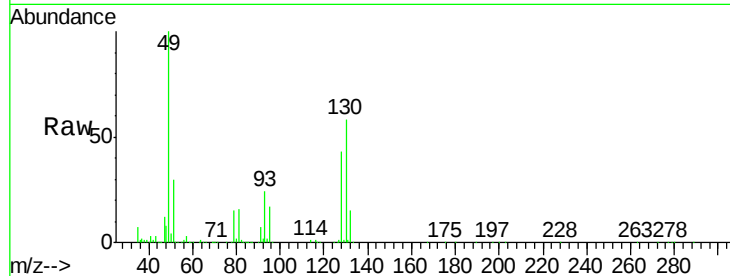
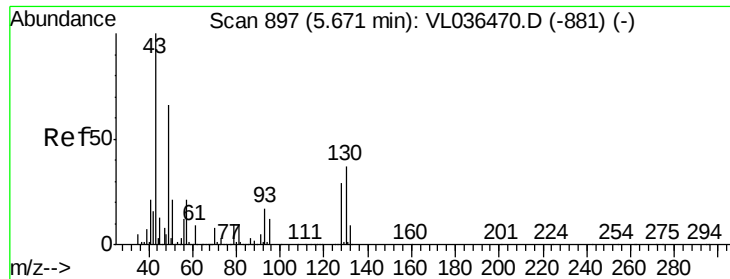
Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-4DL

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Quant Time: Apr 04 16:41:42 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# 891

Delta R.T. -0.02 min

Lab File: VL036647.D

Acq: 2 Apr 2021 16:26

Tot Ion: 49 Resp: 1431008

Ion Ratio Lower Upper

49 100

128 48.0 23.5 70.6

130 63.0 29.1 87.4

Instrument :

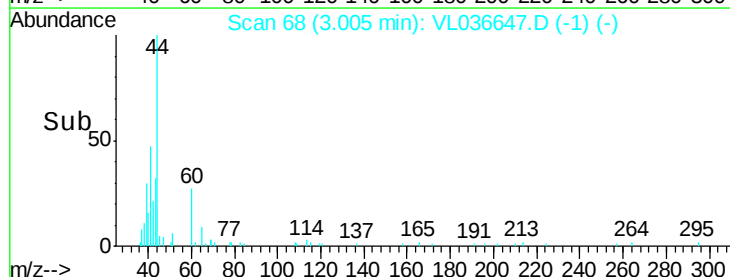
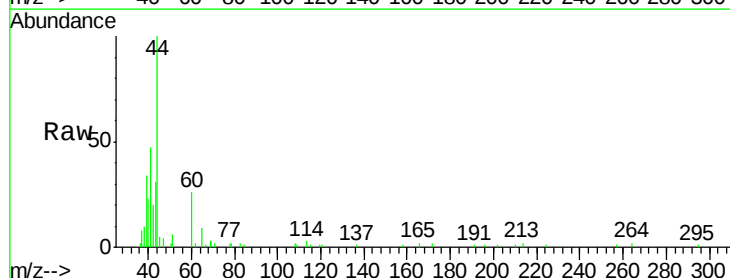
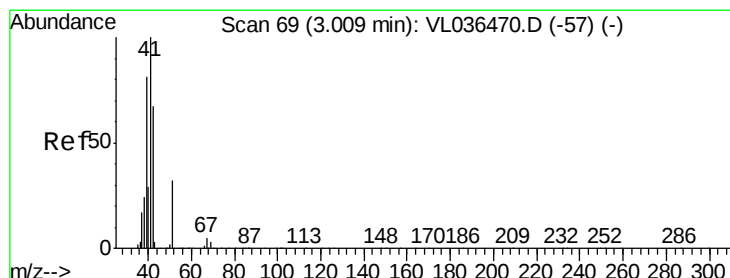
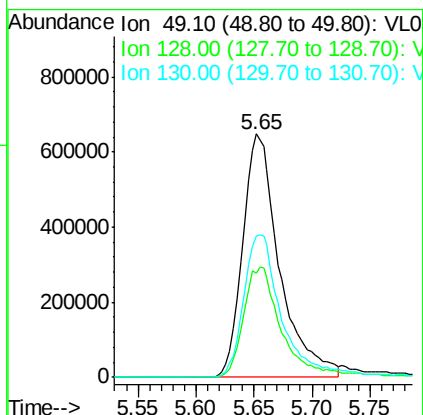
MSVOA_L

ClientSampleId :

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#9

Propene

Concen: 0.170 ppbv m

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036647.D

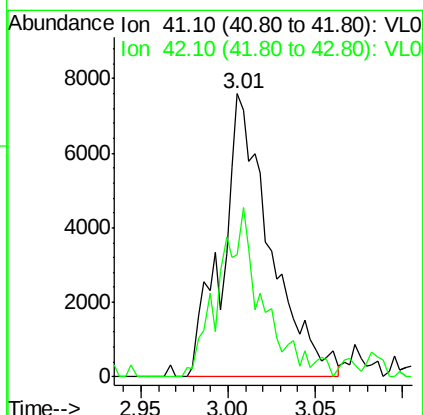
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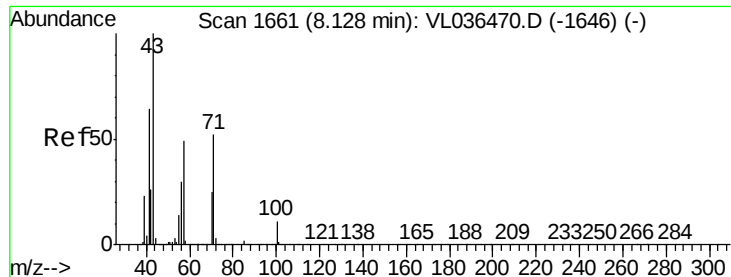
Tgt Ion: 41 Resp: 14488

Ion Ratio Lower Upper

41 100

42 54.9 57.0 85.4#





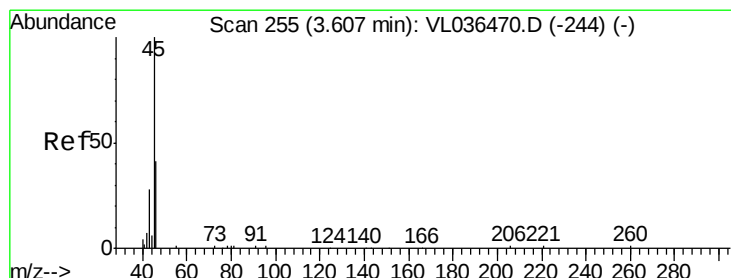
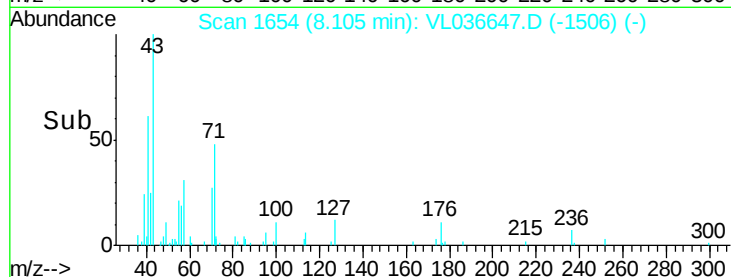
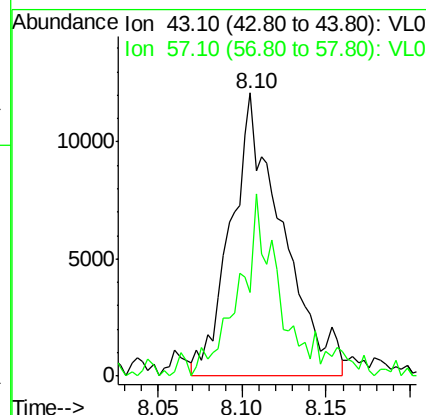
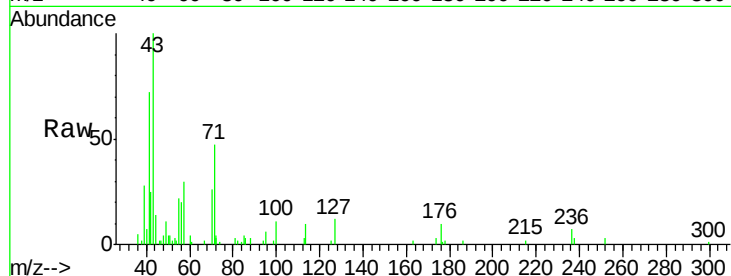
#10
Heptane
Concen: 0.118 ppbv m
RT: 8.10 min Scan# 1654
Delta R.T. -0.02 min
Lab File: VL036647.D
Acq: 2 Apr 2021 16:26

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-4DL

Tot Ion: 43 Resp: 25658
Ion Ratio Lower Upper
43 100
57 0.0 39.0 58.6#

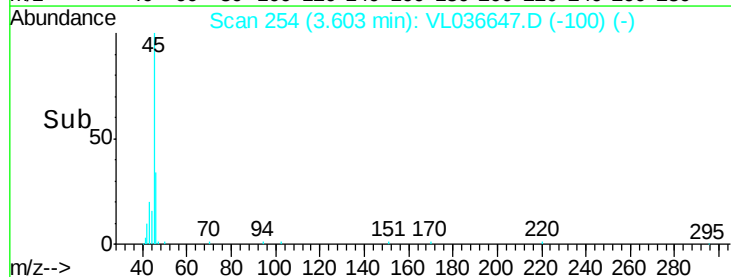
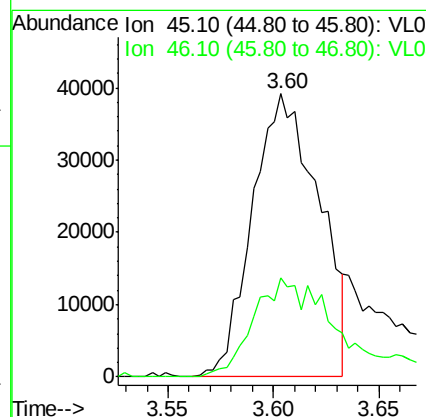
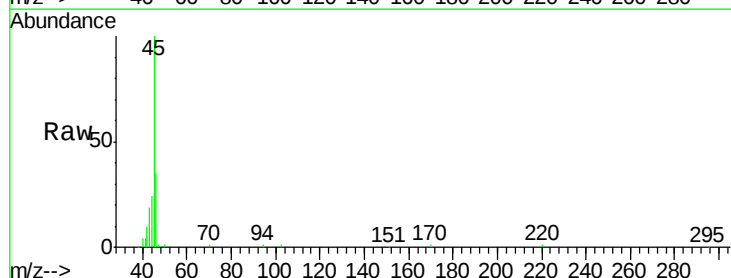
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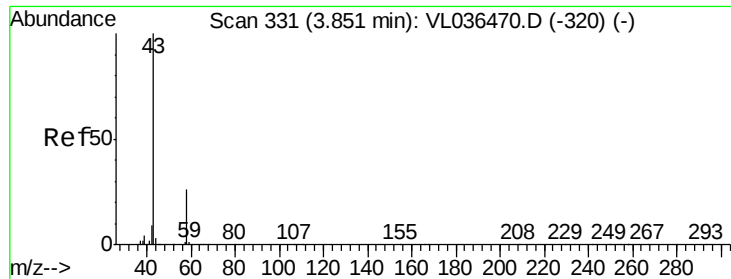
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#13
Ethanol
Concen: 8.432 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL036647.D
Acq: 2 Apr 2021 16:26

Tgt Ion: 45 Resp: 85585
Ion Ratio Lower Upper
45 100
46 46.3 16.6 66.2





#15

Acetone

Concen: 9.318 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL036647.D

Acq: 2 Apr 2021 16:26

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-4DL

Tot Ion: 43 Resp: 1312404

Ion Ratio Lower Upper

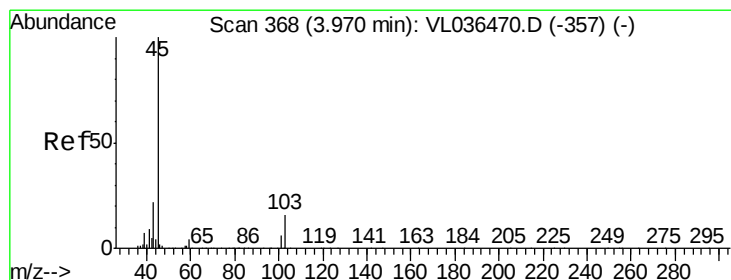
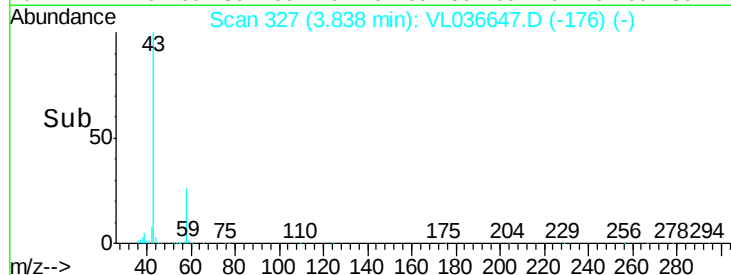
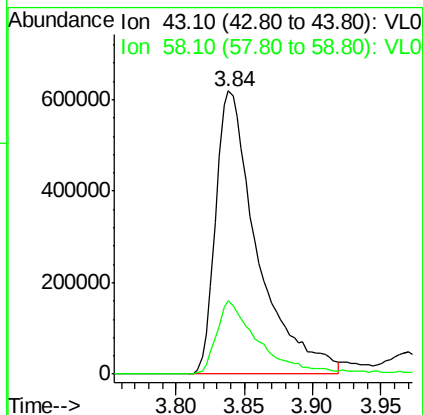
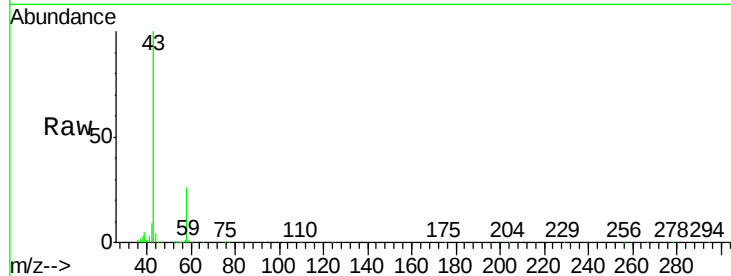
43 100

58 27.7 21.2 31.8

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#19

Isopropyl Alcohol

Concen: 6.968 ppbv m

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL036647.D

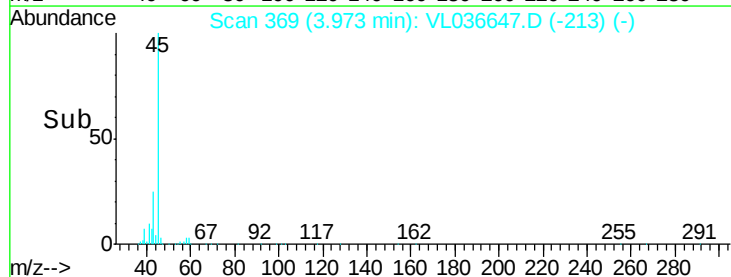
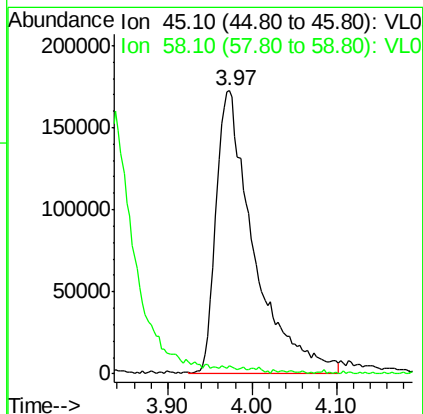
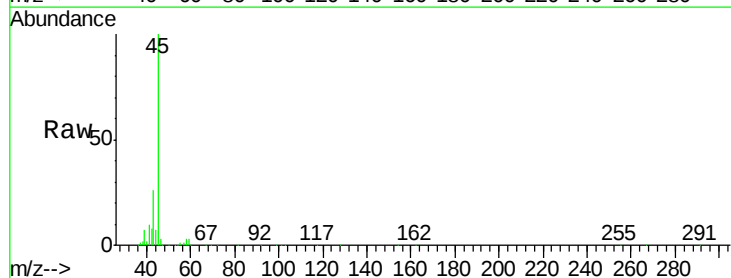
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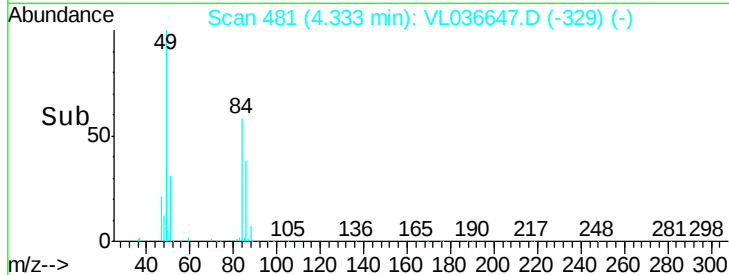
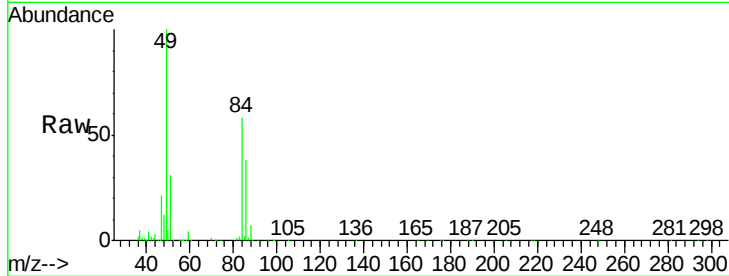
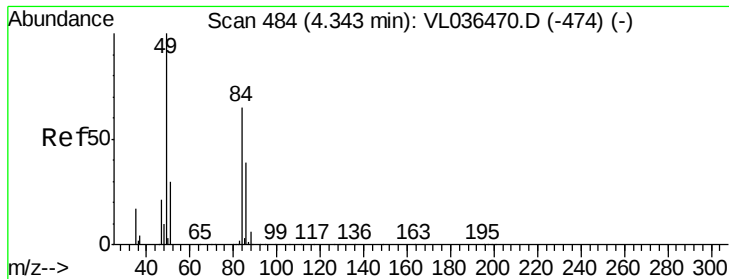
Tgt Ion: 45 Resp: 539886

Ion Ratio Lower Upper

45 100

58 66.2 2.9 4.3#





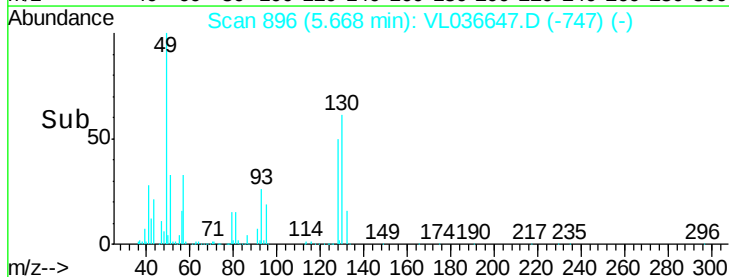
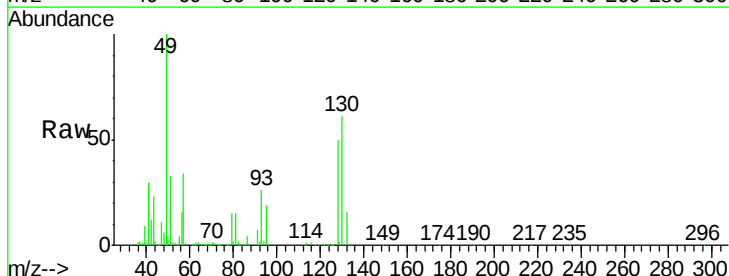
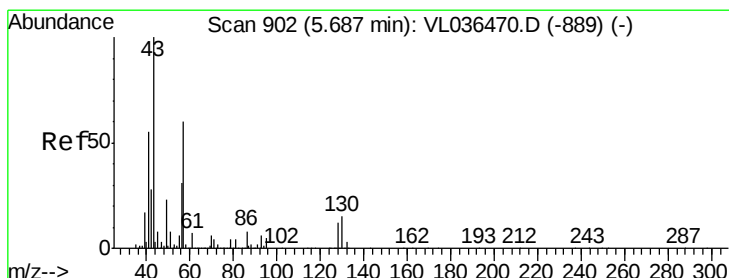
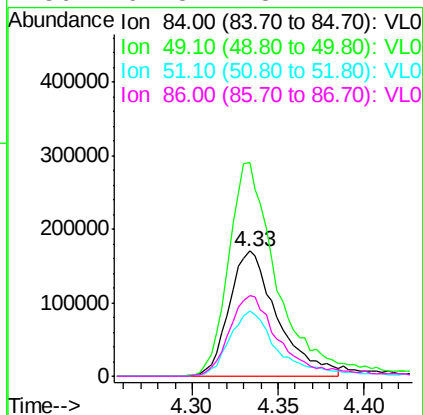
#20
Methvlene Chloride
Concen: 5.047 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL036647.D
Acq: 2 Apr 2021 16:26

Tot Ion	84	Resp	332826
Ion	Ratio	Lower	Upper
84	100		
49	170.3	122.9	184.3
51	52.1	36.9	55.3
86	64.3	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-4DL

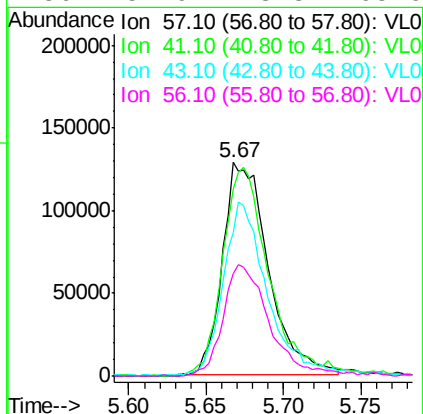
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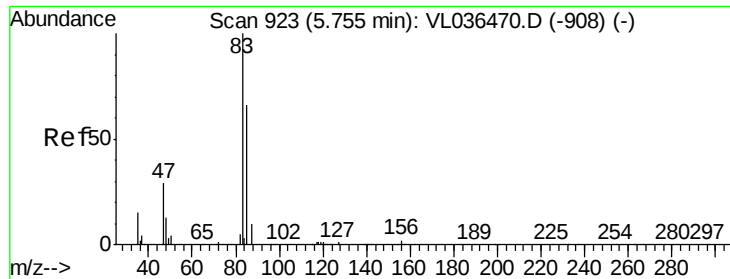
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#26
Hexane
Concen: 1.697 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036647.D
Acq: 2 Apr 2021 16:26

Tgt Ion	57	Resp	263768
Ion	Ratio	Lower	Upper
57	100		
41	101.5	77.2	115.8
43	79.9	173.8	260.6#
56	52.9	43.8	65.6





#29

Chloroform

Concen: 0.130 ppbv m

RT: 5.74 min Scan# 918

Delta R.T. -0.02 min

Lab File: VL036647.D

Acq: 2 Apr 2021 16:26

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-4DL

Tot Ion: 83 Resp: 32353

Ion Ratio Lower Upper

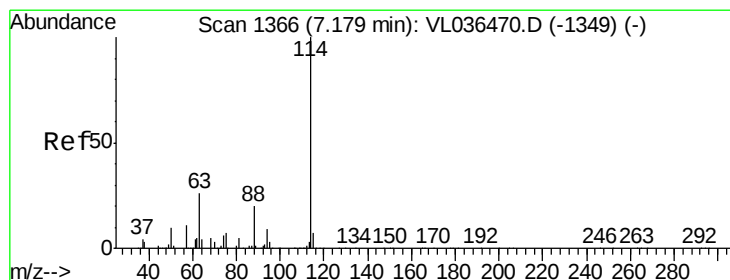
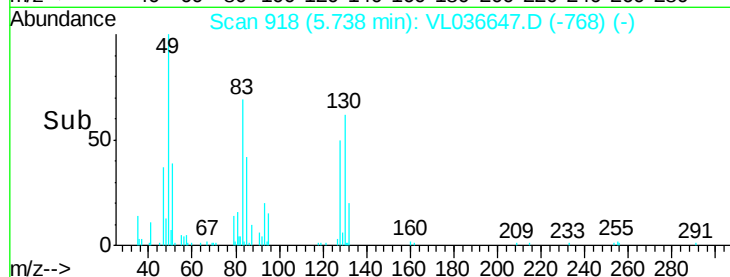
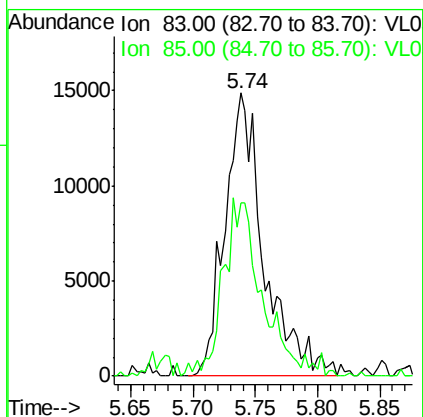
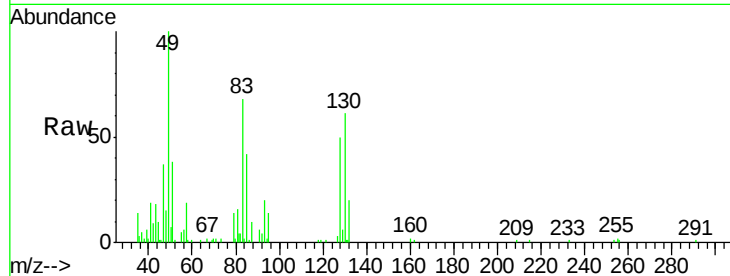
83 100

85 61.4 52.6 78.8

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VL036647.D

Acq: 2 Apr 2021 16:26

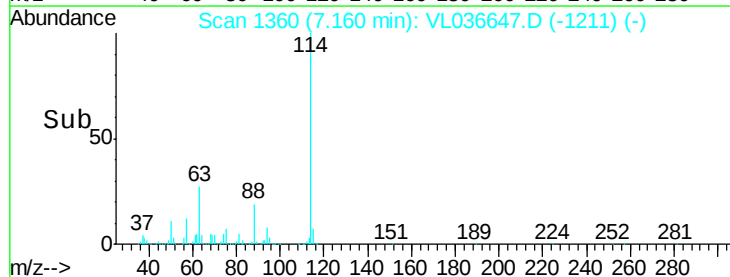
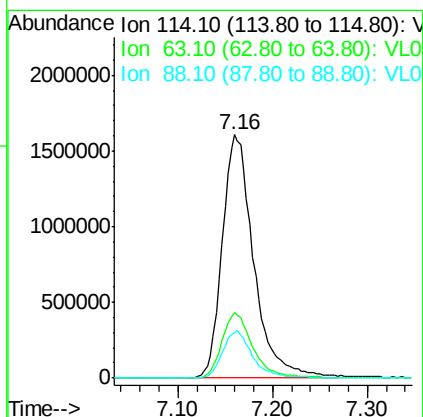
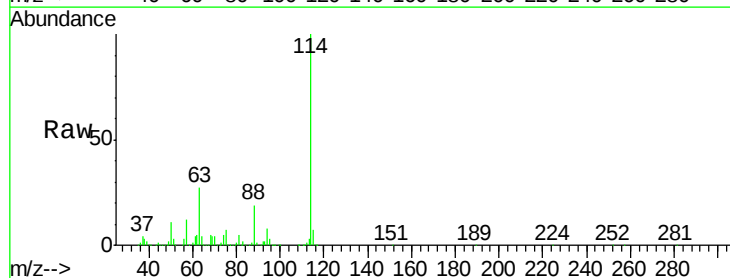
Tgt Ion: 114 Resp: 3702558

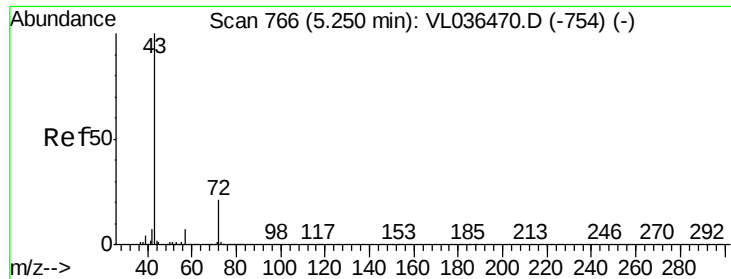
Ion Ratio Lower Upper

114 100

63 26.8 22.4 33.6

88 18.8 15.4 23.0





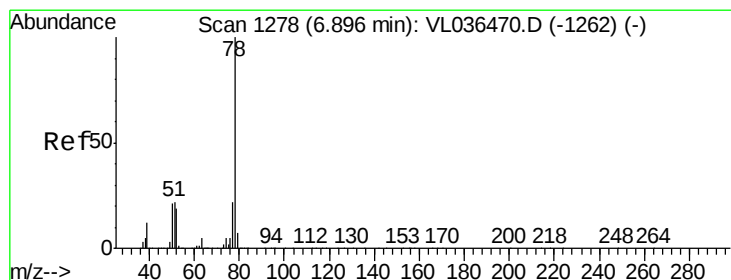
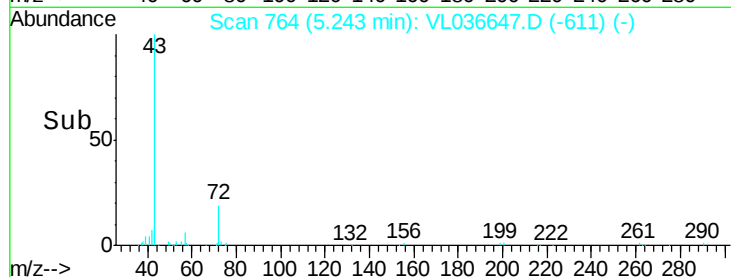
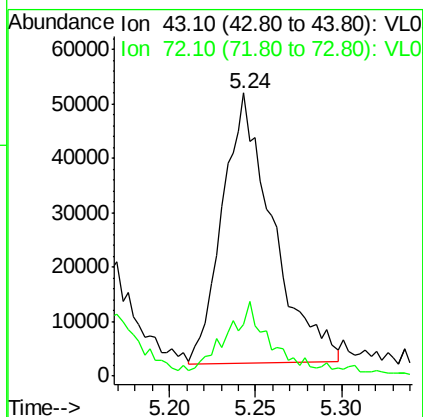
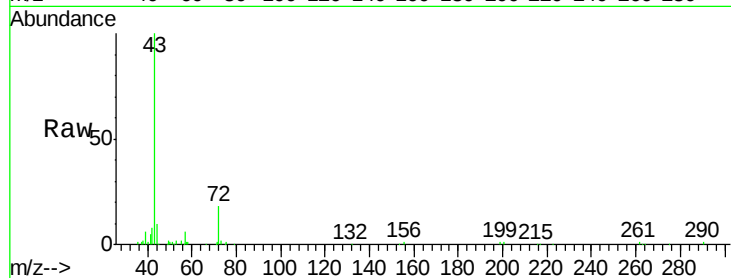
#34
 2-Butanone
 Concen: 0.560 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL036647.D
 Acq: 2 Apr 2021 16:26

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-4DL

Tot Ion: 43 Resp: 101176
 Ion Ratio Lower Upper
 43 100
 72 24.8 17.0 25.6

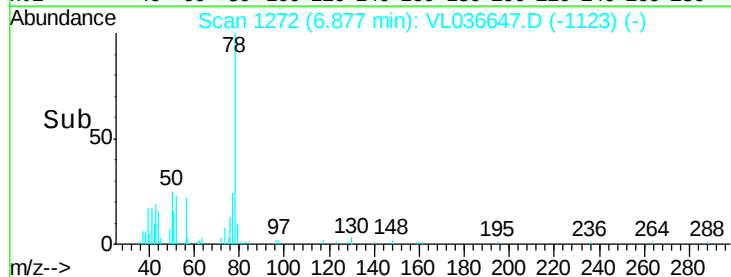
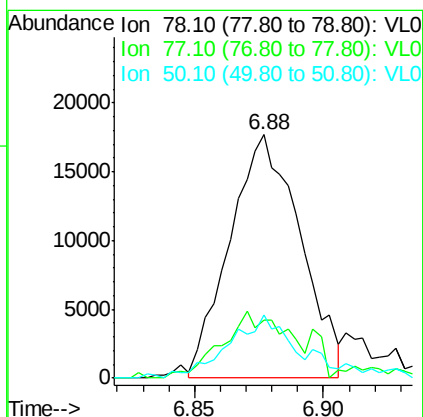
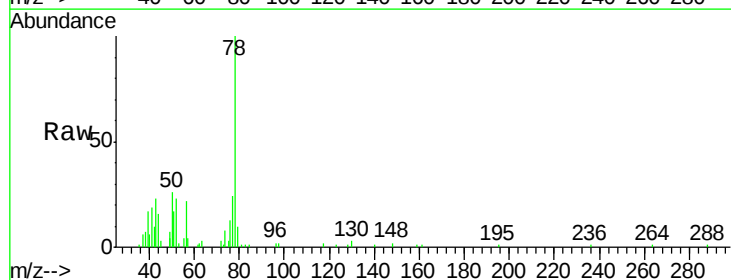
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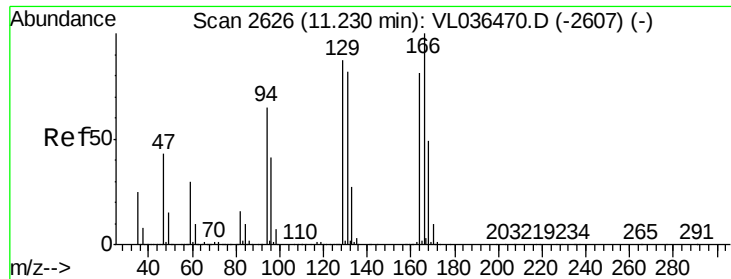
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#36
 Benzene
 Concen: 0.099 ppbv
 RT: 6.88 min Scan# 1272
 Delta R.T. -0.02 min
 Lab File: VL036647.D
 Acq: 2 Apr 2021 16:26

Tgt Ion: 78 Resp: 33763
 Ion Ratio Lower Upper
 78 100
 77 22.5 18.0 27.0
 50 24.1 16.5 24.7





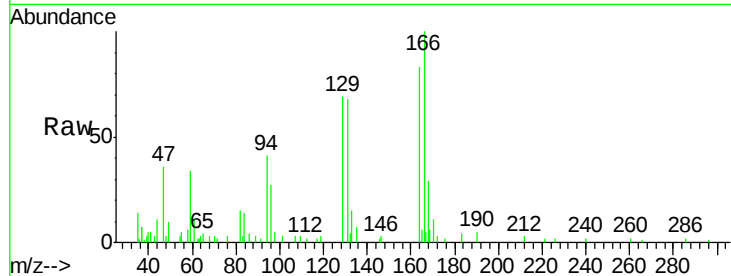
#52
Tetrachloroethene
Concen: 0.151 ppbv m
RT: 11.20 min Scan# 2618
Delta R.T. -0.03 min
Lab File: VL036647.D
Acq: 2 Apr 2021 16:26

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-4DL

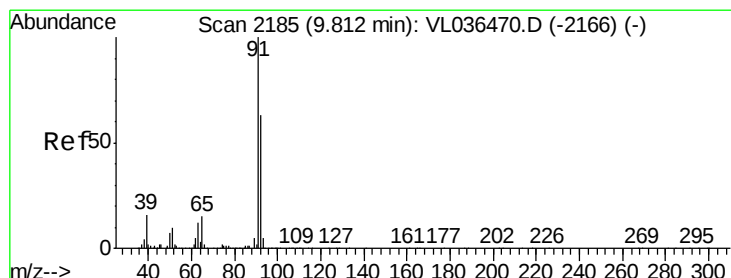
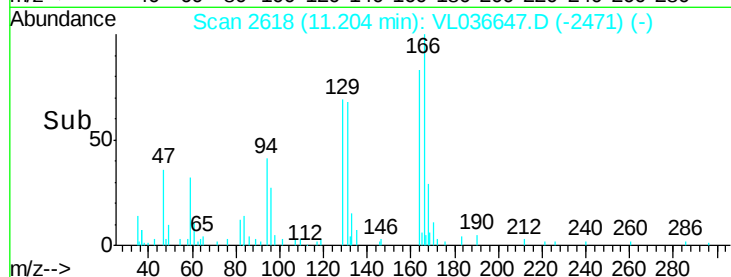
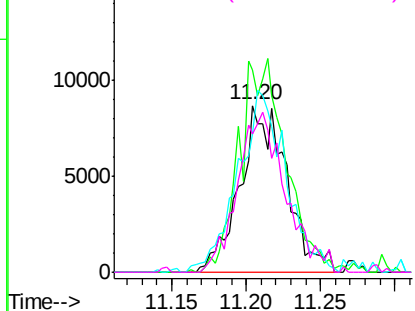
Tot Ion	Ratio	Lower	Upper
164	100		
166	121.0	98.3	147.5
129	83.1	85.8	128.8#
131	82.6	80.9	121.3

Manual Integrations
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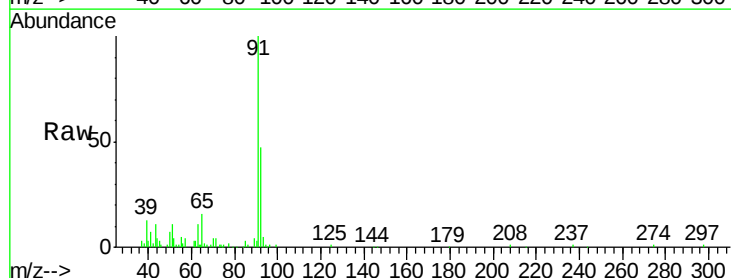


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

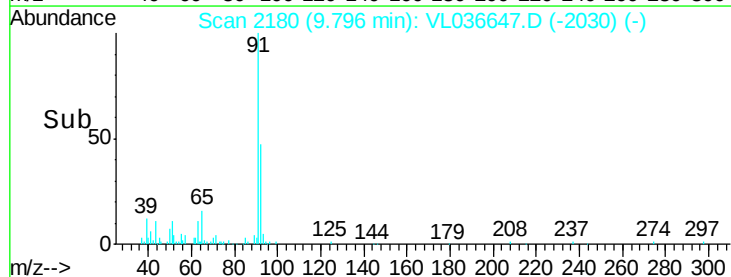
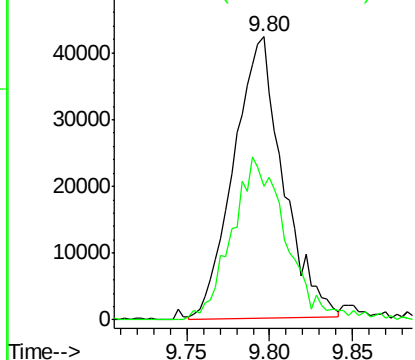


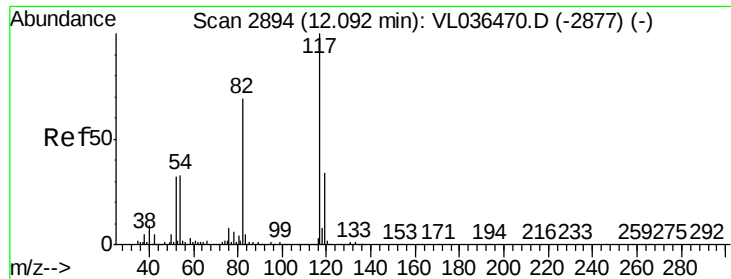
#53
Toluene
Concen: 0.241 ppbv
RT: 9.80 min Scan# 2180
Delta R.T. -0.02 min
Lab File: VL036647.D
Acq: 2 Apr 2021 16:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	64.3	48.8	73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0





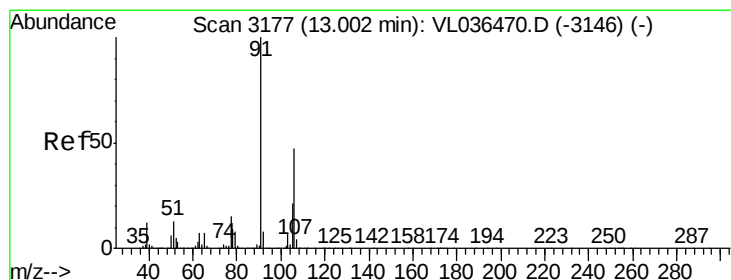
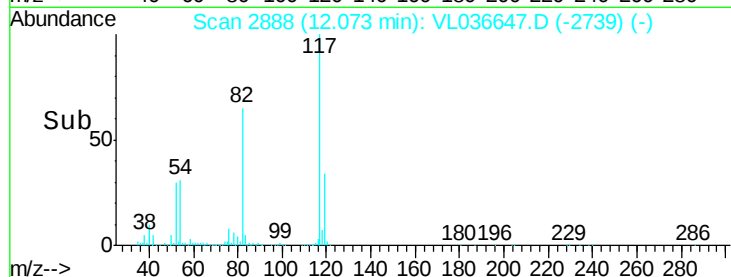
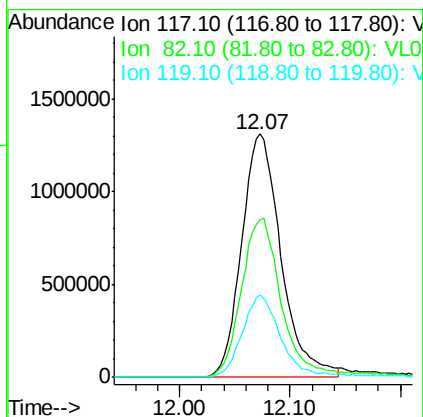
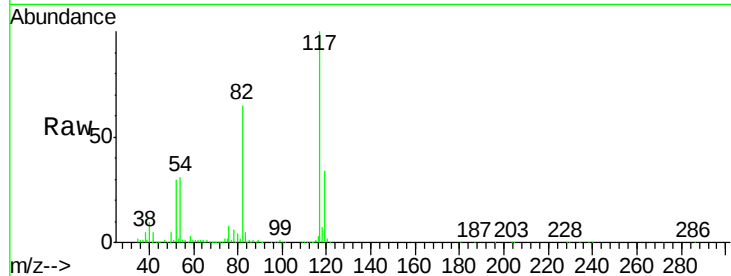
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.02 min
Lab File: VL036647.D
Acq: 2 Apr 2021 16:26

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-4DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.9	57.4	86.0
119	33.8	47.4	71.0

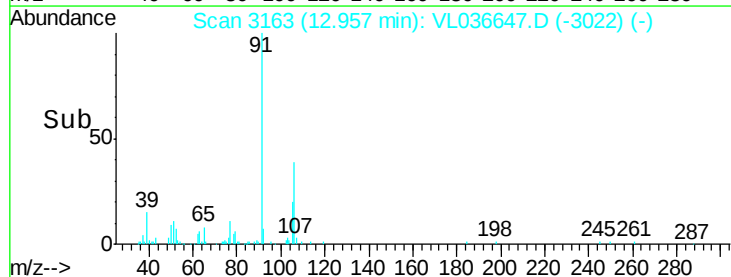
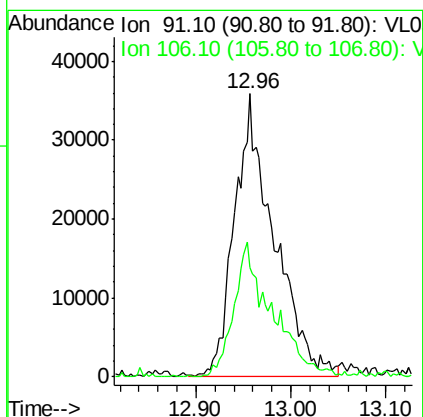
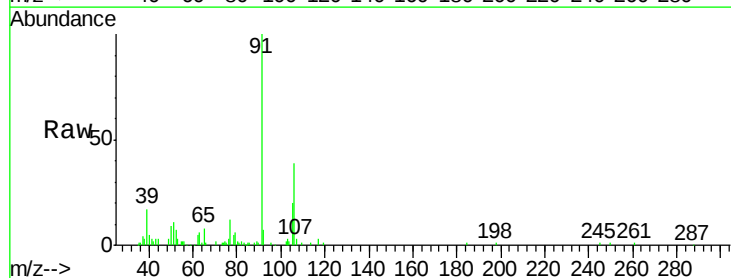
Manual Integrations
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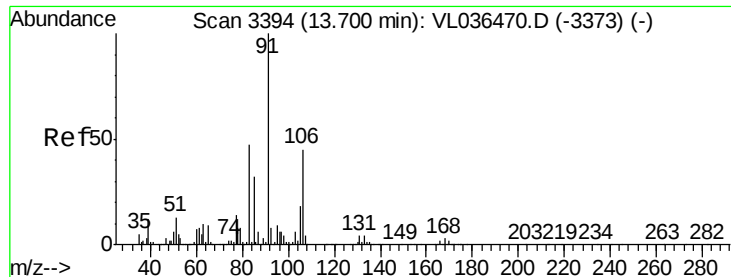
apatel
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#59
m/p-Xylene
Concen: 0.252 ppbv m
RT: 12.96 min Scan# 3163
Delta R.T. -0.05 min
Lab File: VL036647.D
Acq: 2 Apr 2021 16:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9





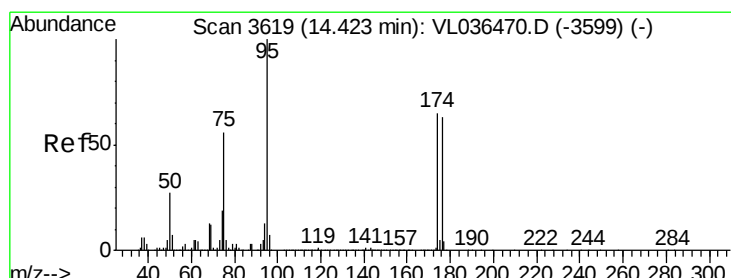
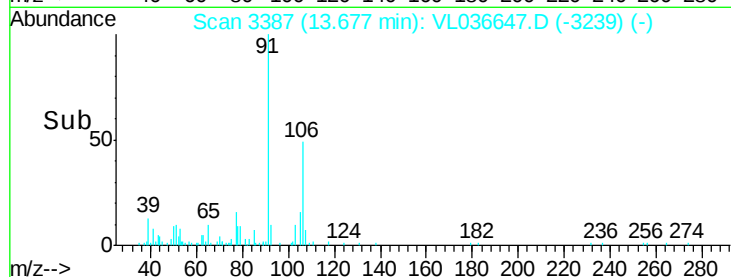
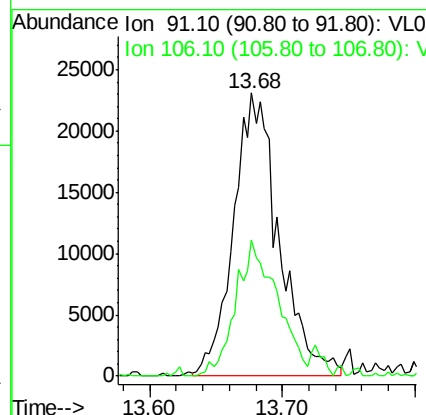
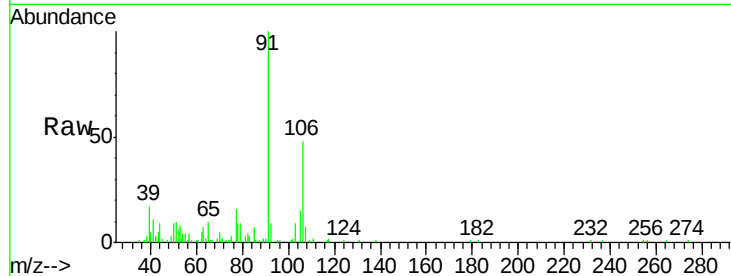
#60
o-Xylene
Concen: 0.138 ppbv m
RT: 13.68 min Scan# 3387
Delta R.T. -0.02 min
Lab File: VL036647.D
Acq: 2 Apr 2021 16:26

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-4DL

Tot Ion: 91 Resp: 55030
Ion Ratio Lower Upper
91 100
106 47.4 22.3 66.9

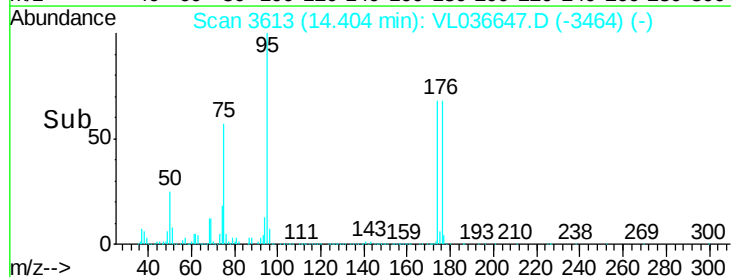
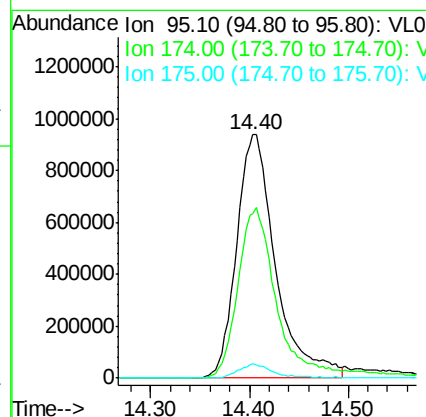
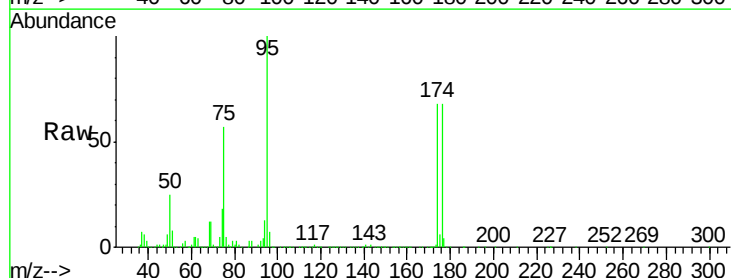
Manual Integrations
APPROVED

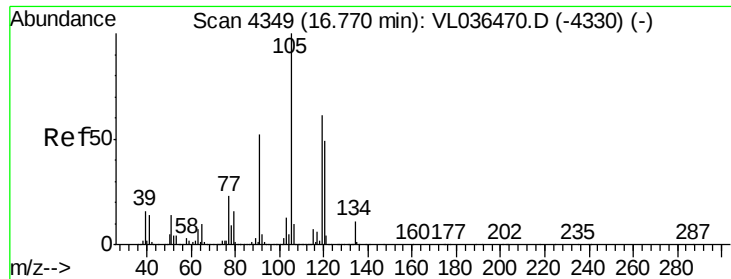
apatel
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.981 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.02 min
Lab File: VL036647.D
Acq: 2 Apr 2021 16:26

Tgt Ion: 95 Resp: 2583749
Ion Ratio Lower Upper
95 100
174 72.6 51.0 76.6
175 5.6 3.9 5.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.163 ppbv m
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL036647.D
 Acq: 2 Apr 2021 16:26

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-4DL

Tot Ion:	105	Resp:	71031
Ion Ratio	Lower	Upper	
105	100		
120	36.8	39.2	58.8#
91	16.6	42.6	64.0#
77	12.3	18.6	28.0#

Manual Integrations
 APPROVED

apatel
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