

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL062921\
 Data File : VL037252.D
 Acq On : 29 Jun 2021 17:00
 Operator : SY/AP
 Sample : M2887-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL

Manual Integrations
 APPROVED

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 7/5/2021 3:38:23 PM

Quant Time: Jul 08 03:27:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1742088	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	5095654	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4537571	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3429616	9.97	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2150823	19.858	ppbv	95
10) Heptane	8.11	43	222660m	0.849	ppbv	
13) Ethanol	3.62	45	47529m	2.837	ppbv	
15) Acetone	3.84	43	1929512	9.822	ppbv	99
17) tert-Butyl alcohol	4.31	59	47938m	0.264	ppbv	
20) Methylene Chloride	4.34	84	301665	2.565	ppbv	98
26) Hexane	5.68	57	456539	2.124	ppbv #	44
30) Cyclohexane	7.13	84	34844m	0.195	ppbv	
34) 2-Butanone	5.24	43	1026434	5.179	ppbv	99
36) Benzene	6.88	78	233685	0.567	ppbv	98
51) 2-Hexanone	10.15	43	128863m	0.973	ppbv	
53) Toluene	9.79	91	300230	0.610	ppbv	99
59) m/p-Xylene	12.96	91	144544m	0.273	ppbv	
60) o-Xylene	13.68	91	50382m	0.100	ppbv	
69) p-Isopropyltoluene	17.65	119	74634	0.104	ppbv #	89
74) 1,2,4-Trimethylbenzene	16.76	105	68687m	0.120	ppbv	

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

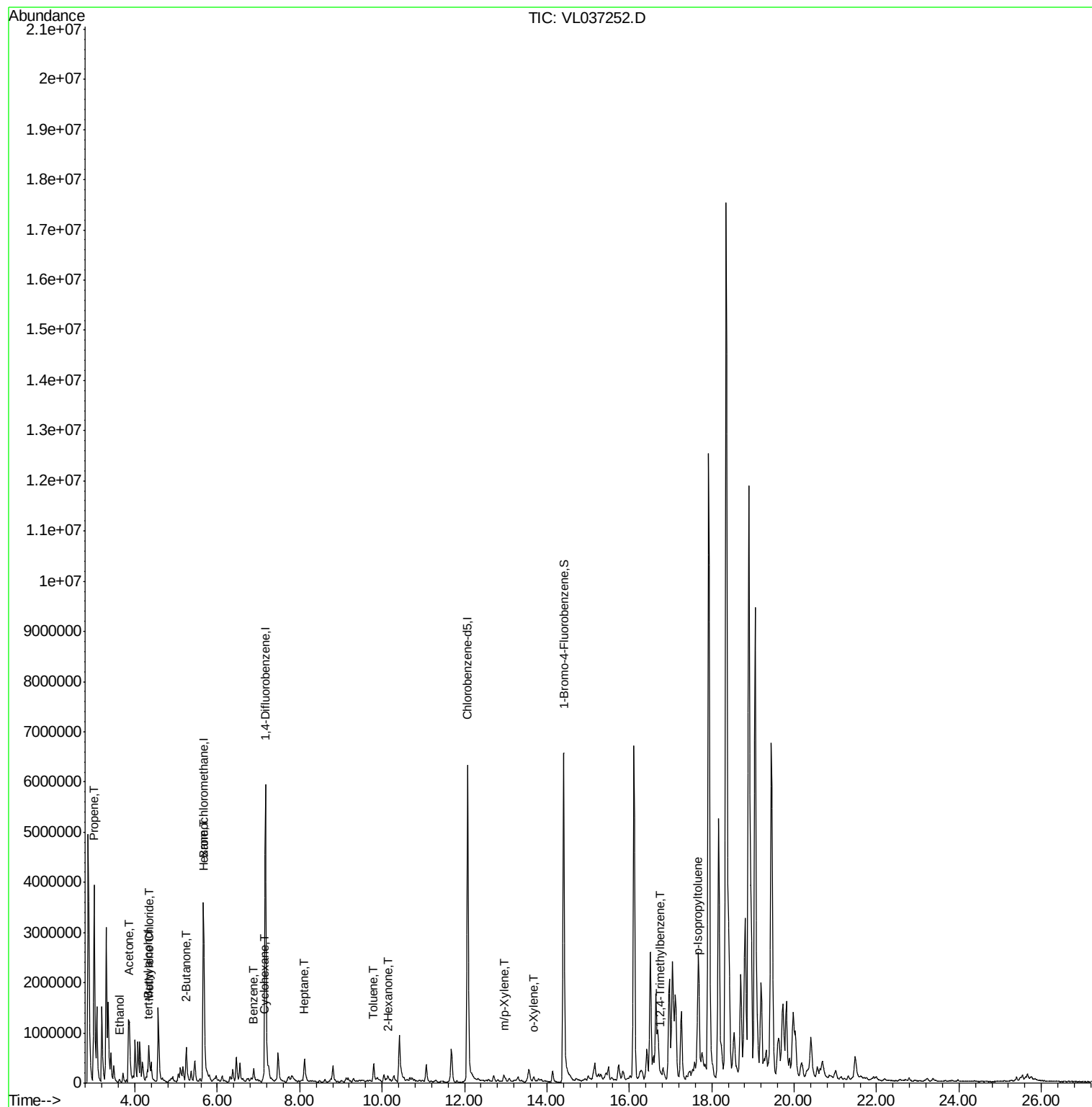
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL062921\
Data File : VL037252.D
Acq On : 29 Jun 2021 17:00
Operator : SY/AP
Sample : M2887-03DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

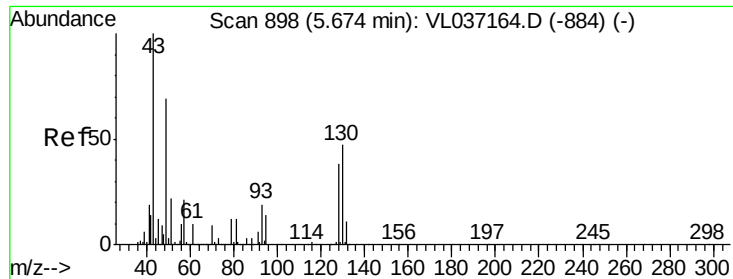
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

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Quant Time: Jul 08 03:27:53 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL037252.D

Acq: 29 Jun 2021 17:00

Instrument :

MSVOA_L

ClientSampled :

SV-3DL

Tot Ion: 49 Resp: 1742088

Ion Ratio Lower Upper

49 100

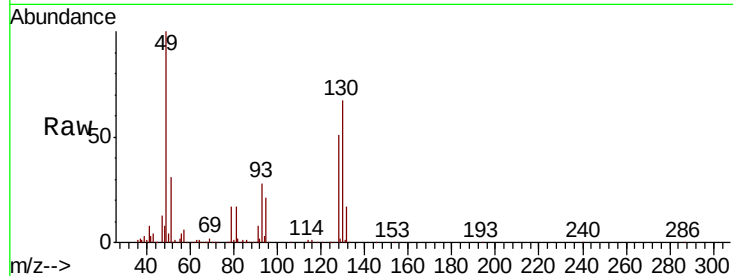
128 54.5 29.3 88.0

130 69.3 35.9 107.8

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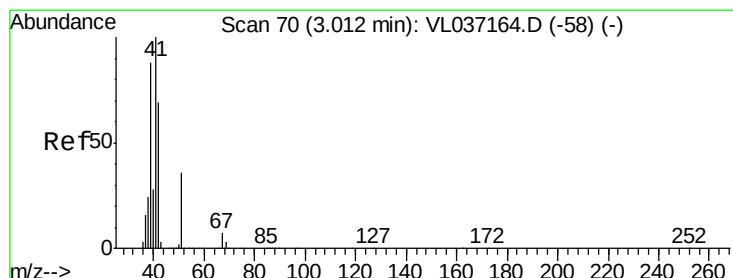
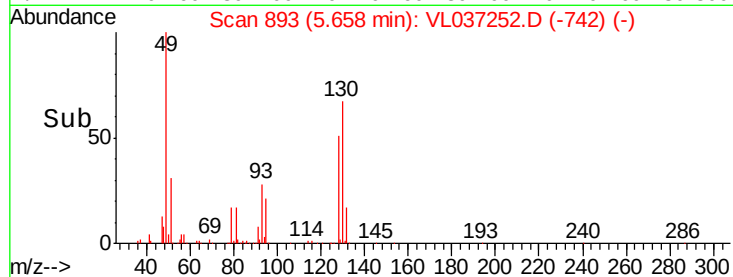
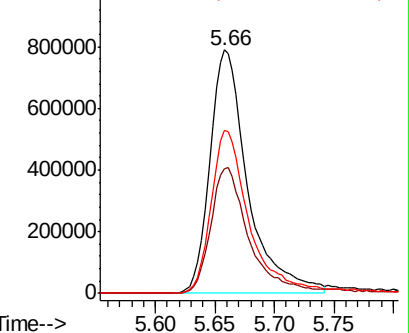
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 19.858 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL037252.D

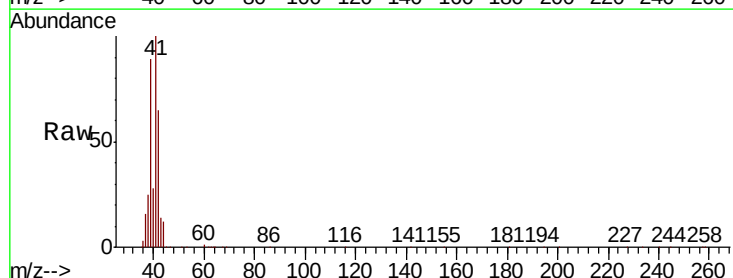
Acq: 29 Jun 2021 17:00

Tgt Ion: 41 Resp: 2150823

Ion Ratio Lower Upper

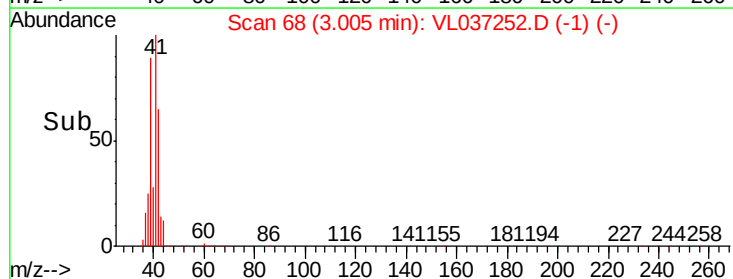
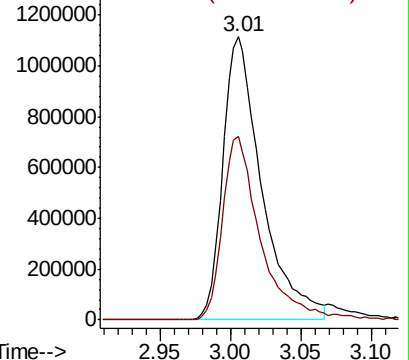
41 100

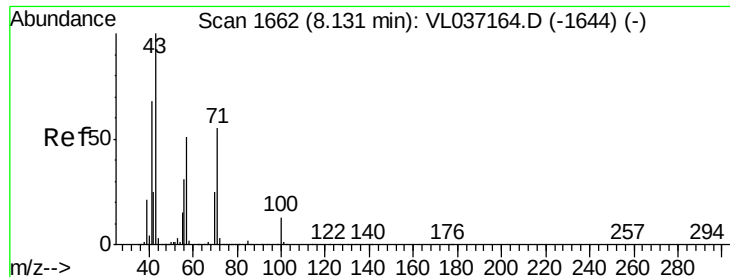
42 64.0 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

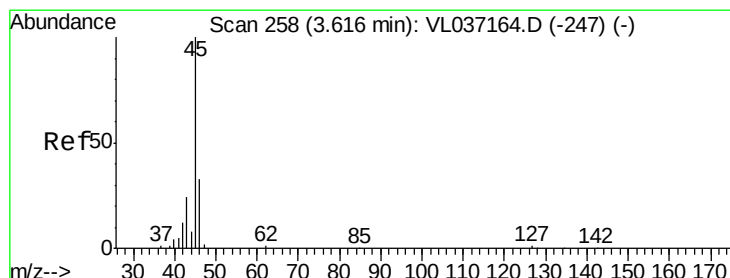
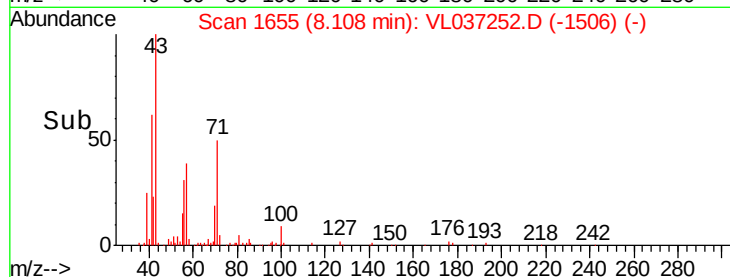
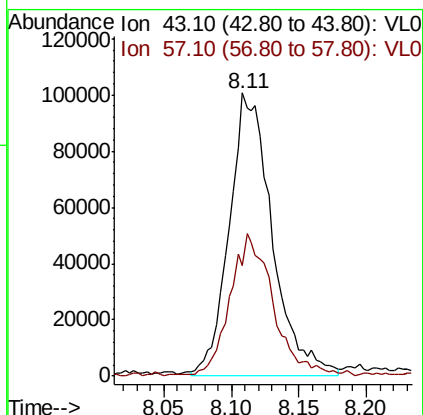
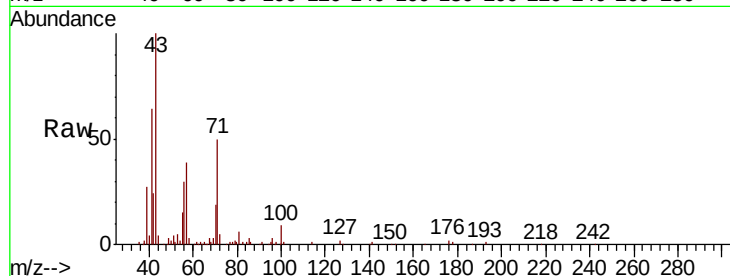
Concen: 0.849 ppbv m
RT: 8.11 min Scan# 1655
Delta R.T. -0.02 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

Tot Ion: 43 Resp: 222660
Ion Ratio Lower Upper
43 100
57 49.2 40.6 61.0

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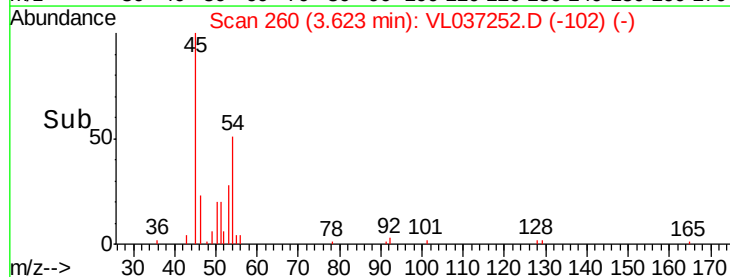
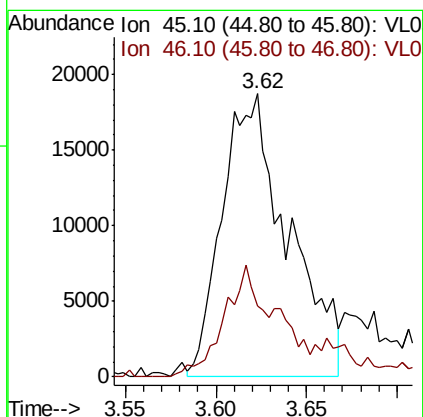
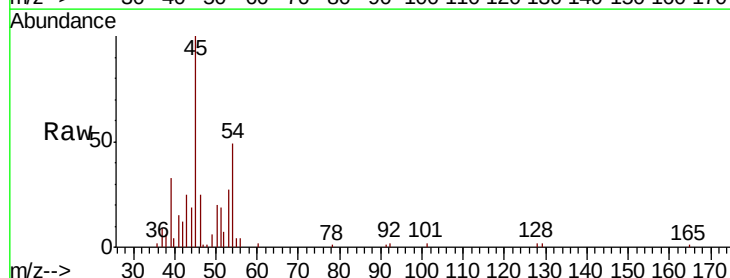


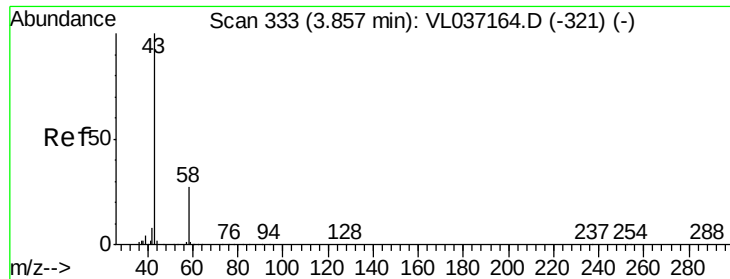
#13

Ethanol

Concen: 2.837 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Tgt Ion: 45 Resp: 47529
Ion Ratio Lower Upper
45 100
46 0.0 34.2 137.0#





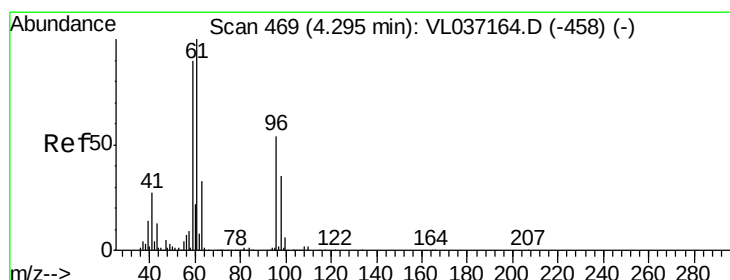
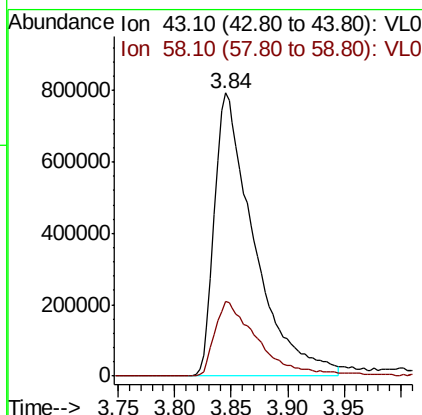
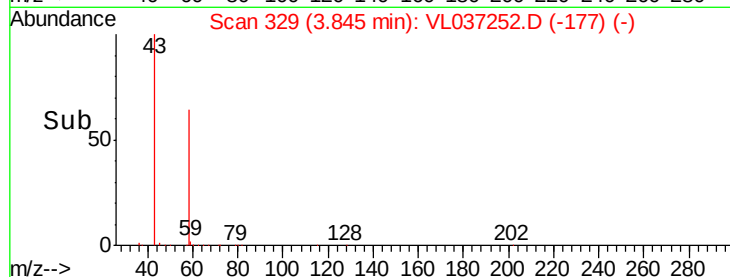
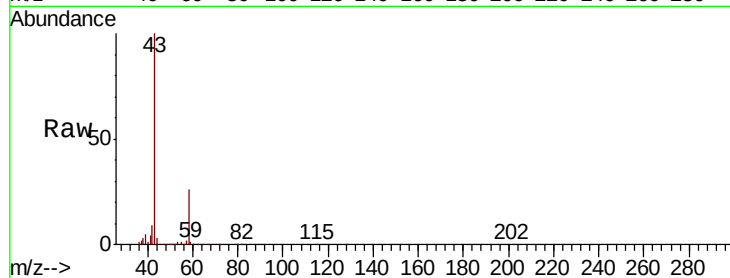
#15
Acetone
Concen: 9.822 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

Tot Ion: 43 Resp: 1929512
Ion Ratio Lower Upper
43 100
58 29.9 23.7 35.5

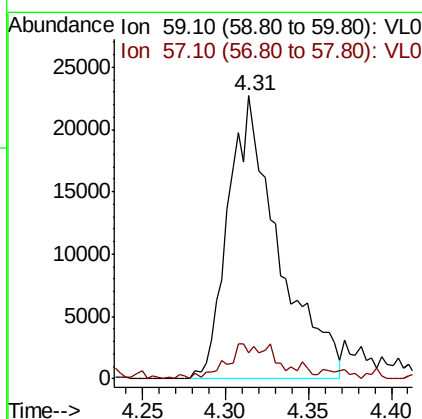
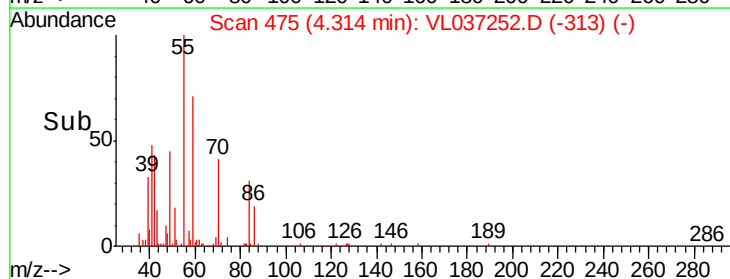
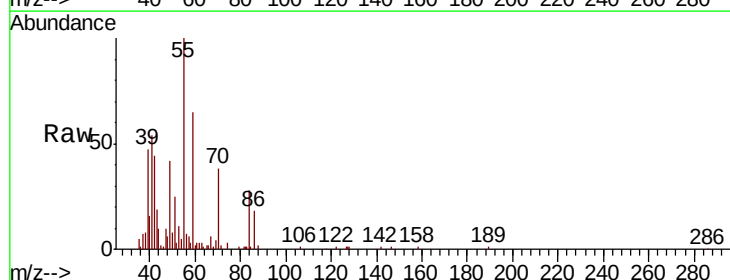
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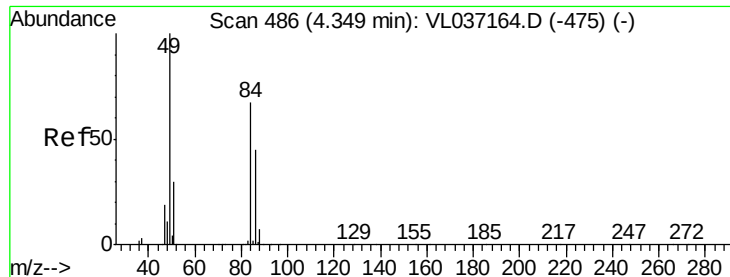
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#17
tert-Butyl alcohol
Concen: 0.264 ppbv m
RT: 4.31 min Scan# 475
Delta R.T. 0.02 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Tgt Ion: 59 Resp: 47938
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#





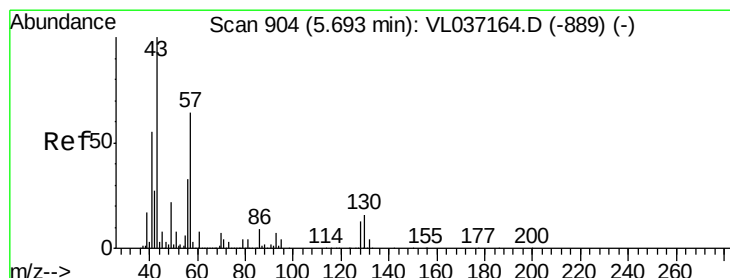
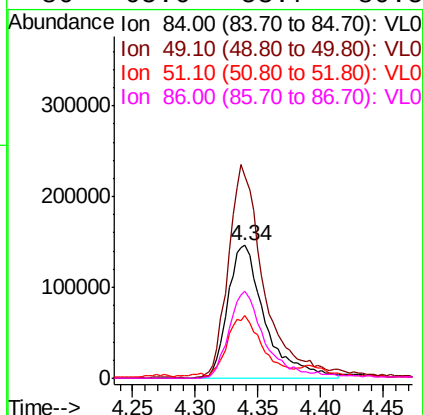
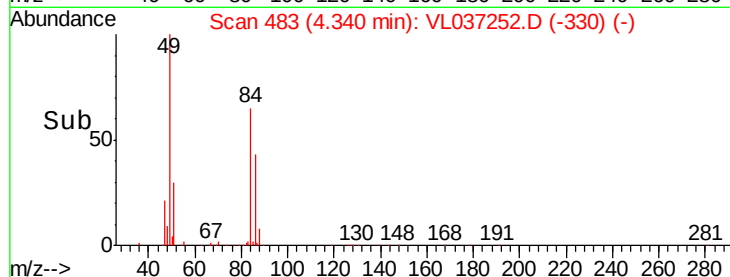
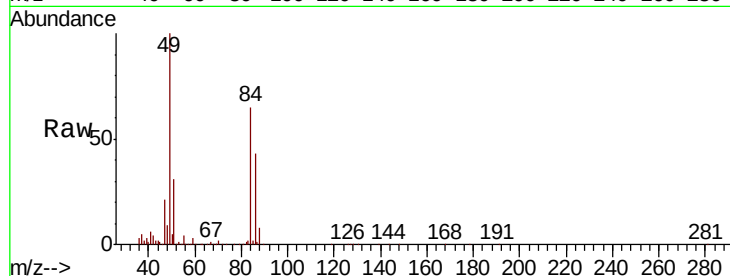
#20
Methvlene Chloride
Concen: 2.565 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	152.4	119.7	179.5		
51	44.6	36.1	54.1		
86	65.6	53.7	80.5		

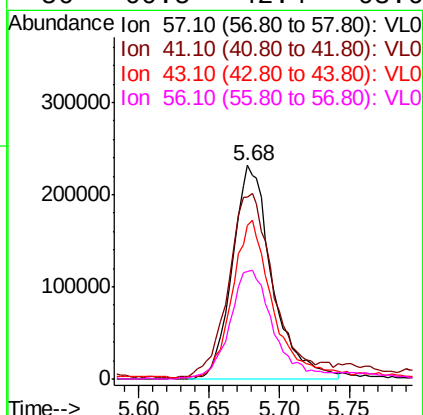
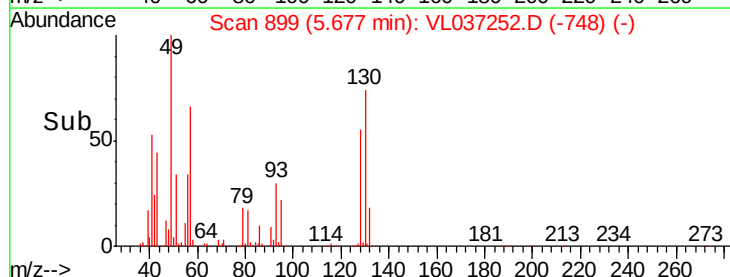
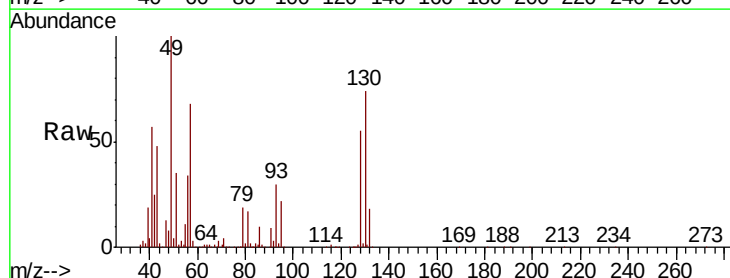
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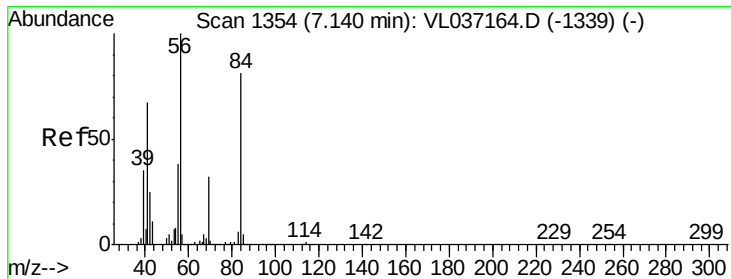
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#26
Hexane
Concen: 2.124 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	106.6	73.5	110.3		
43	78.5	170.7	256.1		
56	60.5	42.4	63.6		





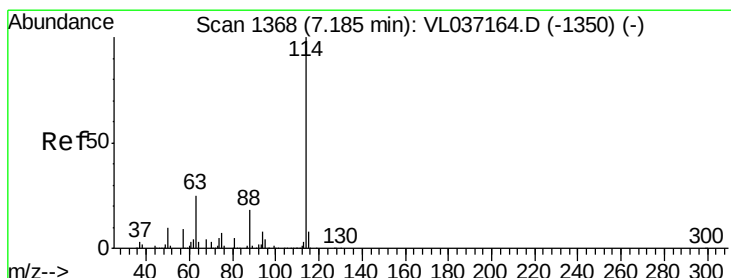
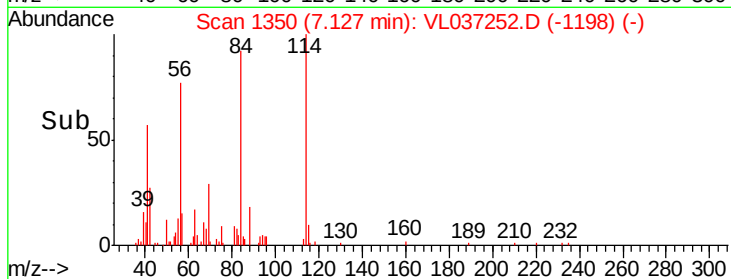
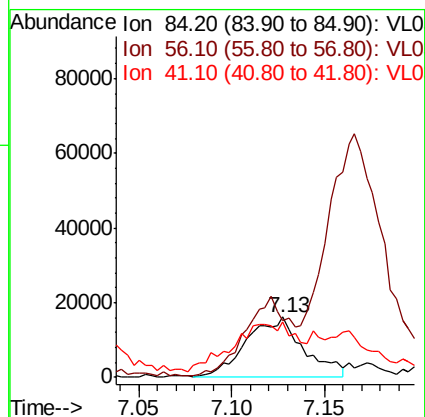
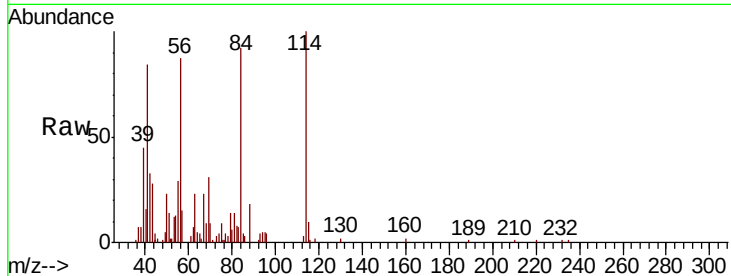
#30
Cvclohexane
Concen: 0.195 ppbv m
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	0.0	69.0	103.6#

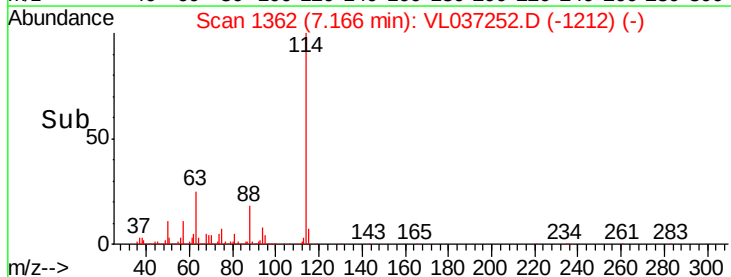
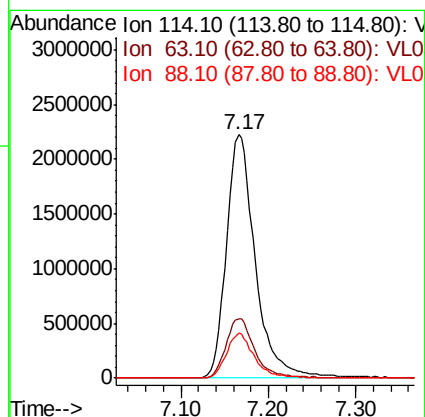
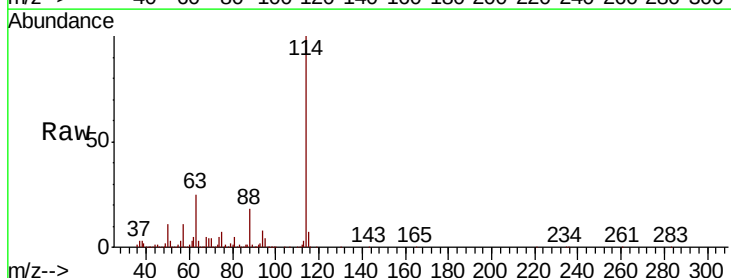
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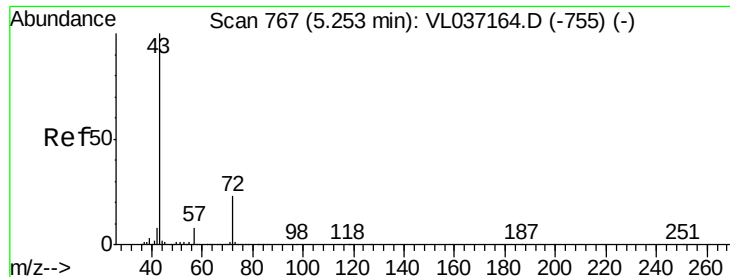
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	18.0	14.2	21.2





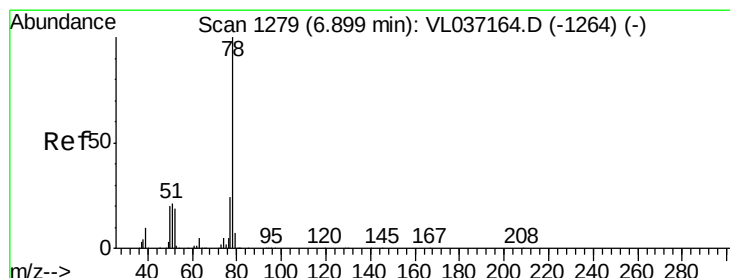
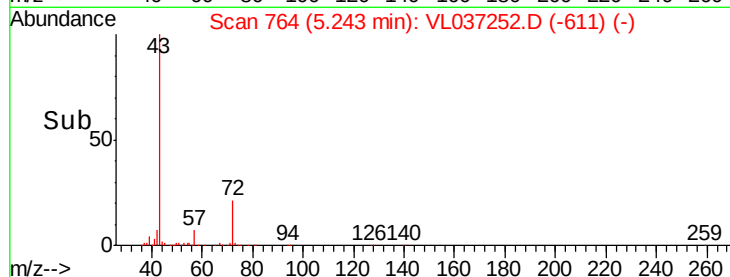
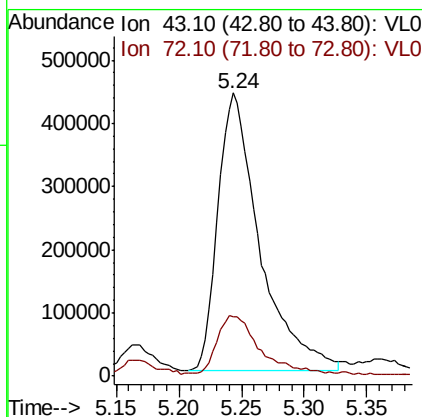
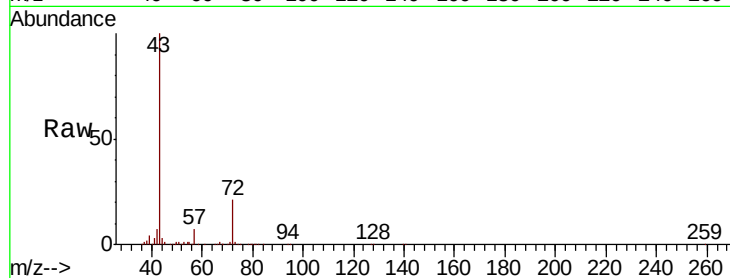
#34
2-Butanone
Concen: 5.179 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.01 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

Tot Ion: 43 Resp: 1026434
Ion Ratio Lower Upper
43 100
72 24.0 18.9 28.3

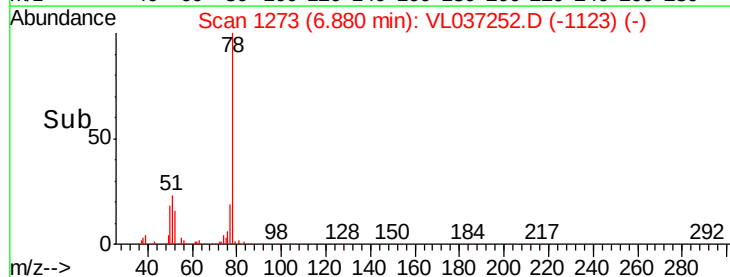
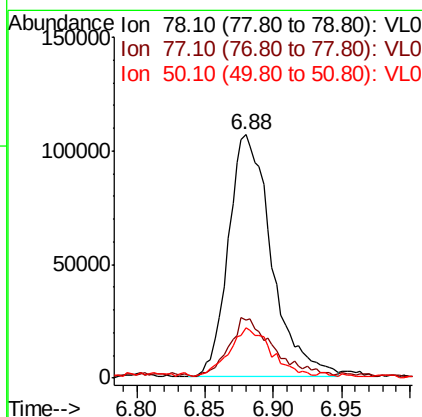
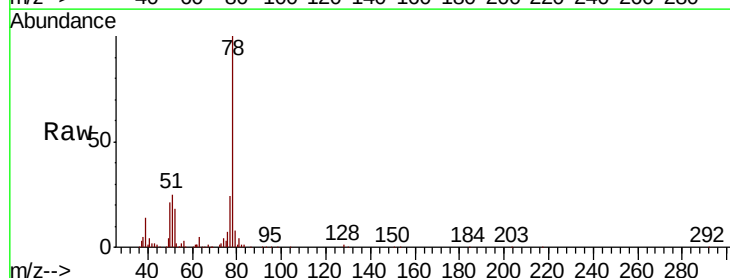
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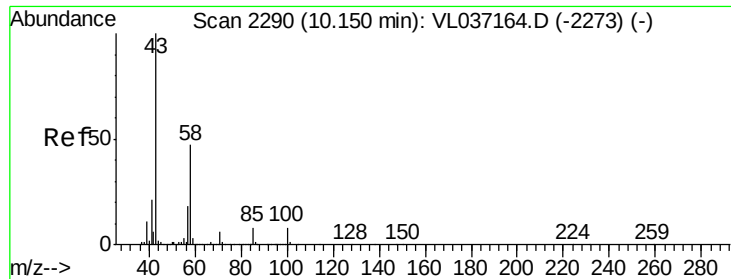
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#36
Benzene
Concen: 0.567 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Tgt Ion: 78 Resp: 233685
Ion Ratio Lower Upper
78 100
77 22.2 19.0 28.6
50 19.9 15.7 23.5





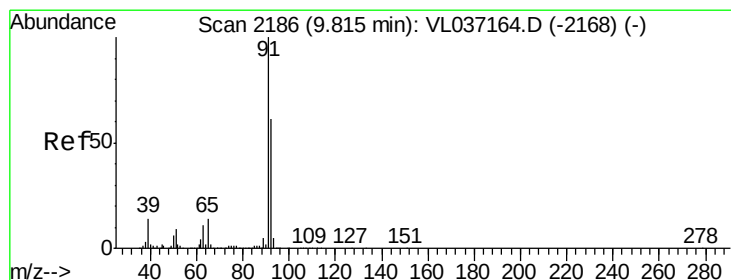
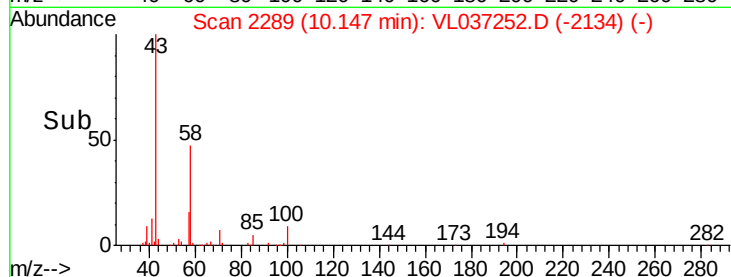
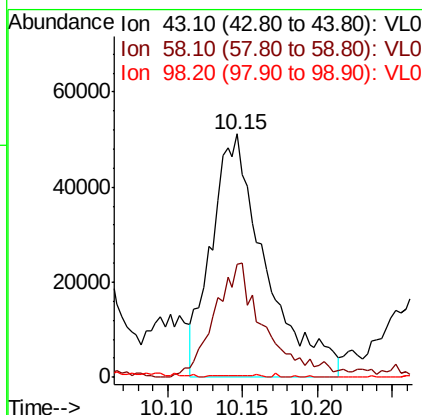
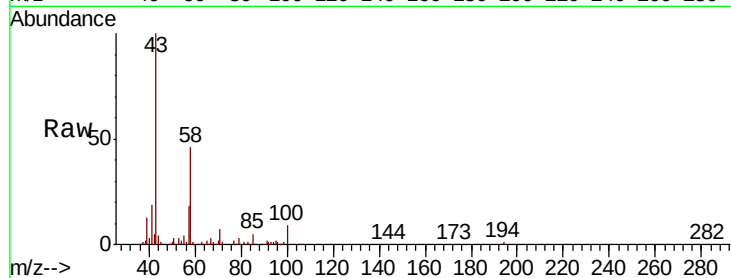
#51
2-Hexanone
Concen: 0.973 ppbv m
RT: 10.15 min Scan# 2289
Delta R.T. -0.00 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.4	57.6#
98	0.0	0.3	0.5#

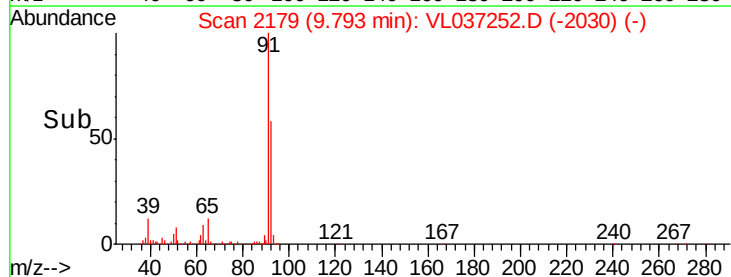
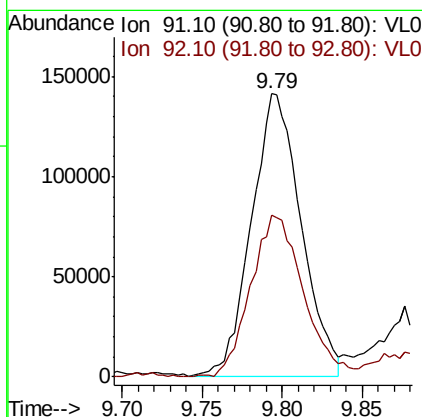
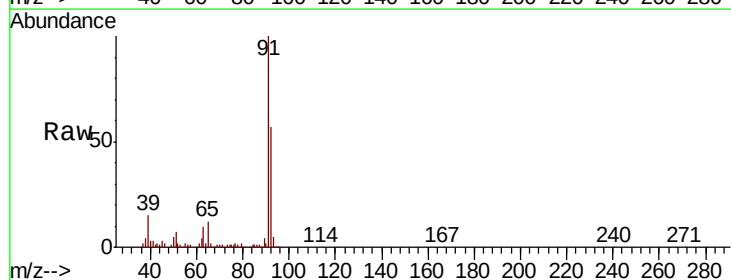
Manual Integrations
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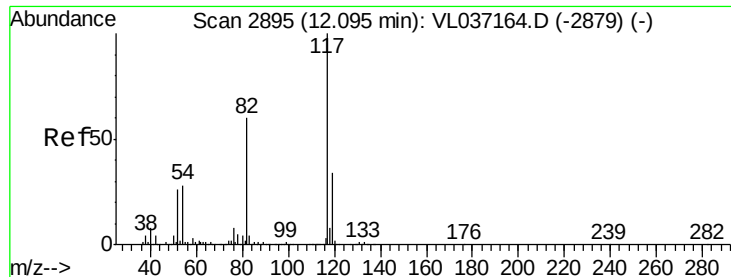
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#53
Toluene
Concen: 0.610 ppbv
RT: 9.79 min Scan# 2179
Delta R.T. -0.02 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.8	48.3	72.5





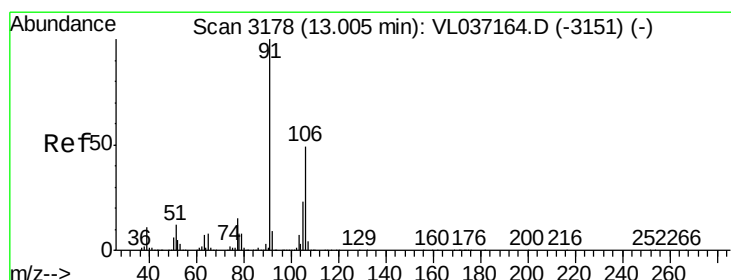
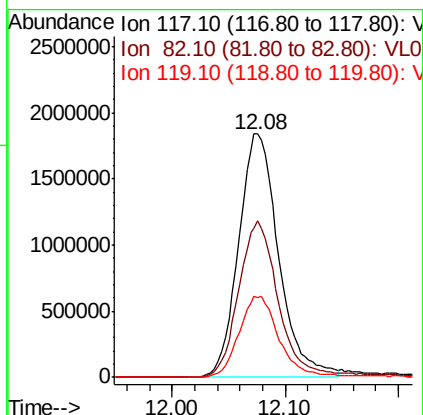
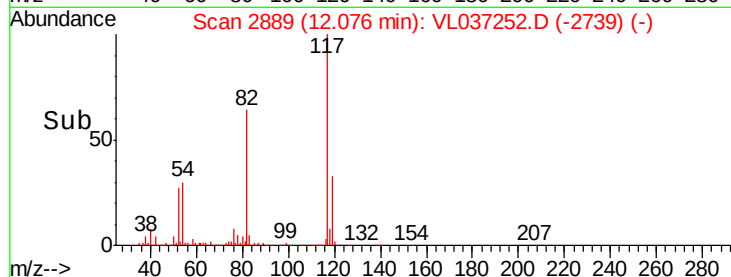
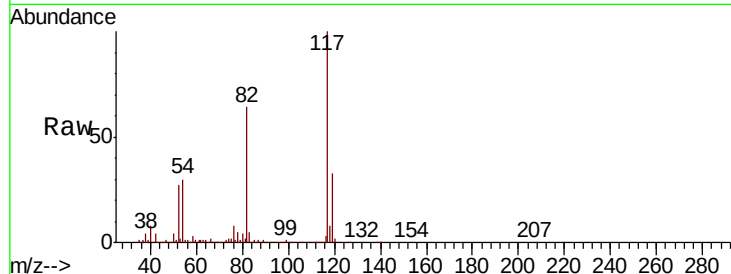
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.02 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.3	51.7	77.5
119	33.9	47.6	71.4#

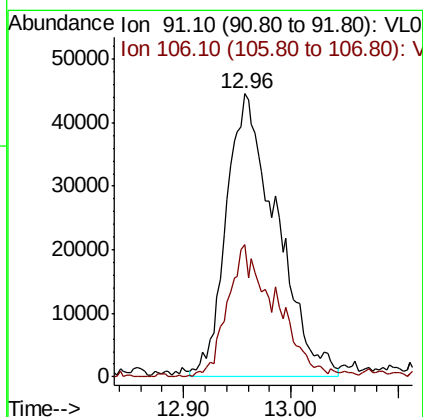
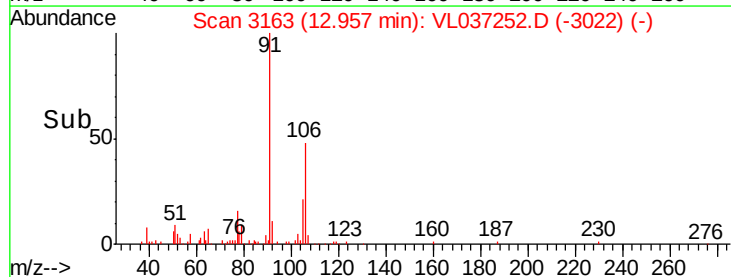
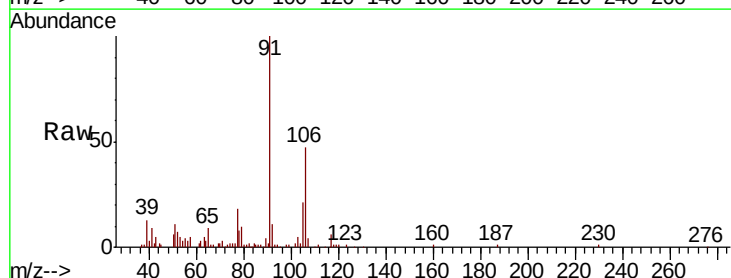
Manual Integrations
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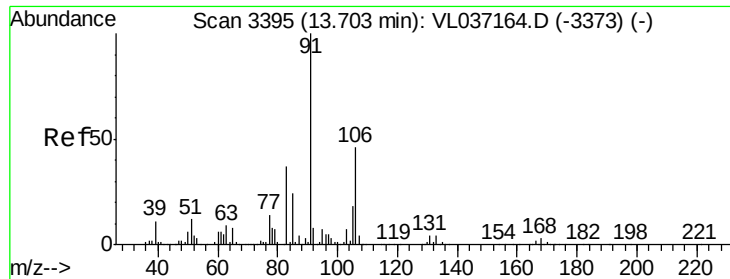
MMDadoda
7/5/2021 3:38:23 PM



#59
m/p-Xylene
Concen: 0.273 ppbv m
RT: 12.96 min Scan# 3163
Delta R.T. -0.05 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.0	55.4#





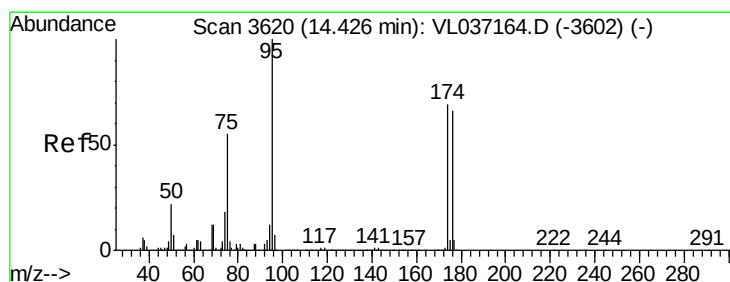
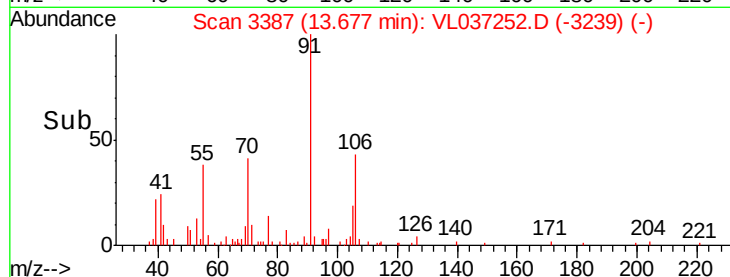
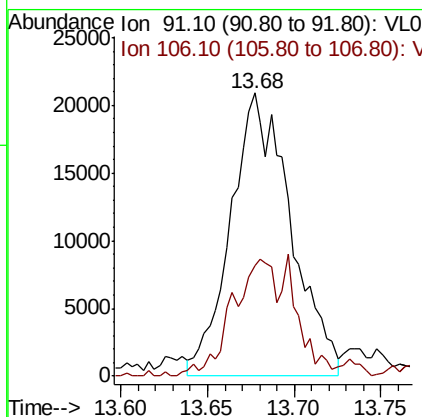
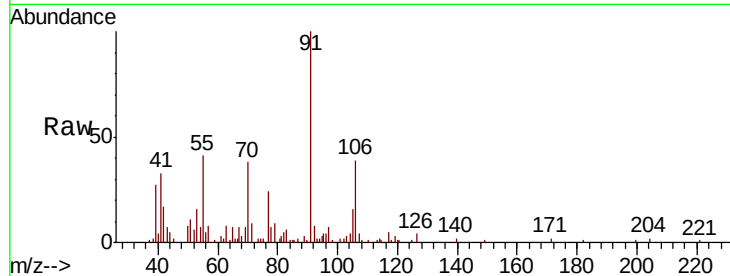
#60
o-Xylene
Concen: 0.100 ppbv m
RT: 13.68 min Scan# 3387
Delta R.T. -0.03 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

Tot Ion: 91 Resp: 50382
Ion Ratio Lower Upper
91 100
106 0.0 23.0 69.0#

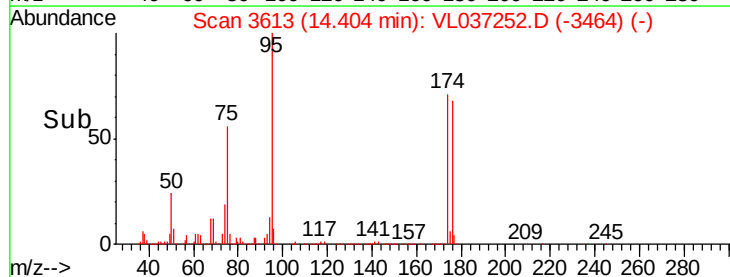
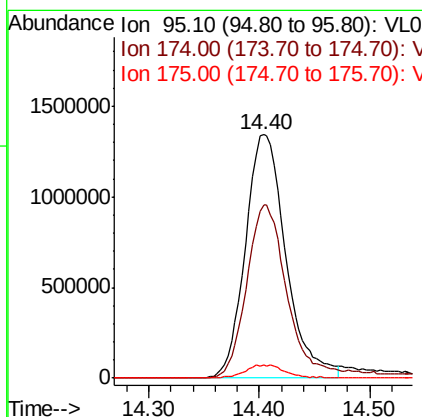
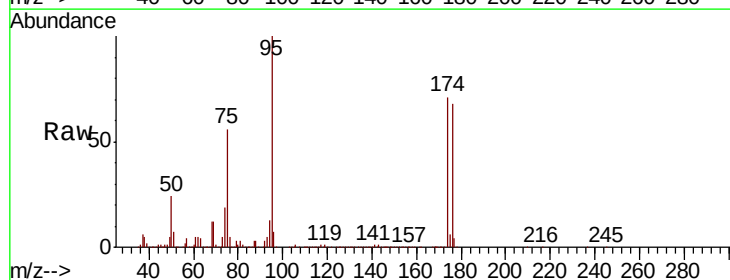
Manual Integrations
APPROVED

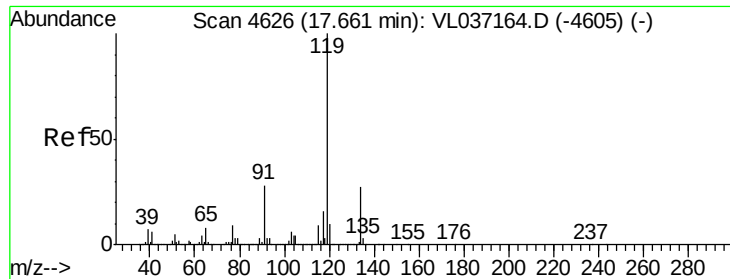
MMDadoda
7/5/2021 3:38:23 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.974 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.02 min
Lab File: VL037252.D
Acq: 29 Jun 2021 17:00

Tgt Ion: 95 Resp: 3429616
Ion Ratio Lower Upper
95 100
174 75.2 57.0 85.4
175 5.6 4.4 6.6





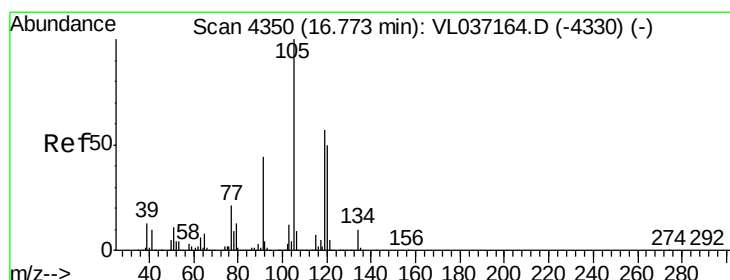
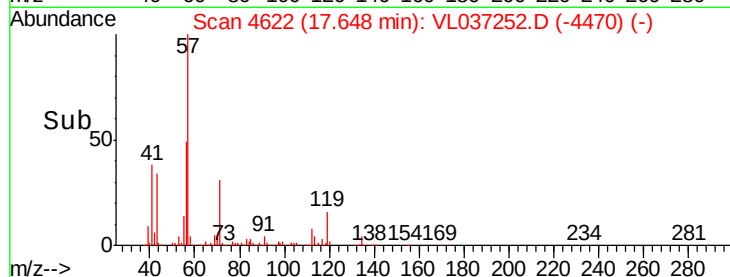
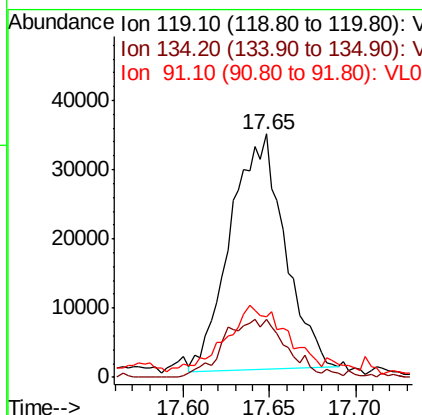
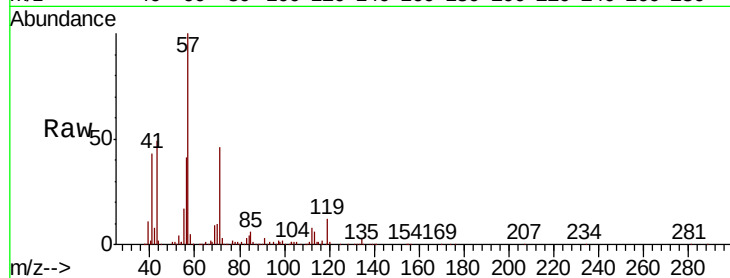
#69
 p-Isopropyltoluene
 Concen: 0.104 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. -0.01 min
 Lab File: VL037252.D
 Acq: 29 Jun 2021 17:00

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	74634		
134	29.6		20.9	31.3
91	35.8		22.6	34.0#

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 3:38:23 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.120 ppbv m
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.02 min
 Lab File: VL037252.D
 Acq: 29 Jun 2021 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	68687		
120	37.9		39.8	59.8#
91	12.3		37.0	55.4#
77	14.6		17.0	25.4#

