

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
 Data File : VL037566.D
 Acq On : 8 Sep 2021 11:09
 Operator : SY/AP
 Sample : M3662-03 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Manual Integrations
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 9/10/2021 10:52:13 AM

9/10/2021 10:52:13 AM

Quant Time: Sep 09 09:11:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.668	49	1706708	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.179	114	5033480	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.092	117	4448494	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	3324961	10.521	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.200%	
Target Compounds						
					Qvalue	
9) Propene	3.021	41	38931m	0.333	ppbv	
10) Heptane	8.121	43	54961m	0.204	ppbv	
13) Ethanol	3.623	45	34504m	3.032	ppbv	
15) Acetone	3.854	43	1126346	6.485	ppbv	89
20) Methylene Chloride	4.346	84	230841	2.654	ppbv	98
26) Hexane	5.693	57	418491	1.941	ppbv #	46
29) Chloroform	5.754	83	320196	1.048	ppbv	97
30) Cyclohexane	7.143	84	28184m	0.157	ppbv	
32) 1,1,1-Trichloroethane	6.510	97	13880m	0.046	ppbv	
34) 2-Butanone	5.253	43	236838	1.152	ppbv #	84
38) Trichloroethene	7.841	130	28580m	0.165	ppbv	
52) Tetrachloroethene	11.227	164	768055	4.430	ppbv	97
53) Toluene	9.812	91	574426	1.189	ppbv	99
58) Ethyl Benzene	12.712	91	266315	0.431	ppbv	91
59) m/p-Xylene	12.970	91	806614m	1.507	ppbv	
60) o-Xylene	13.693	91	289276	0.579	ppbv	98
72) 4-Ethyltoluene	15.838	105	190855	0.321	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.998	105	124518	0.225	ppbv	89
74) 1,2,4-Trimethylbenzene	16.760	105	531989	0.905	ppbv #	66
79) Naphthalene	22.194	128	77050m	0.196	ppbv	
80) Naphthalene,2-methyl-	24.969	142	15761	0.144	ppbv	98

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

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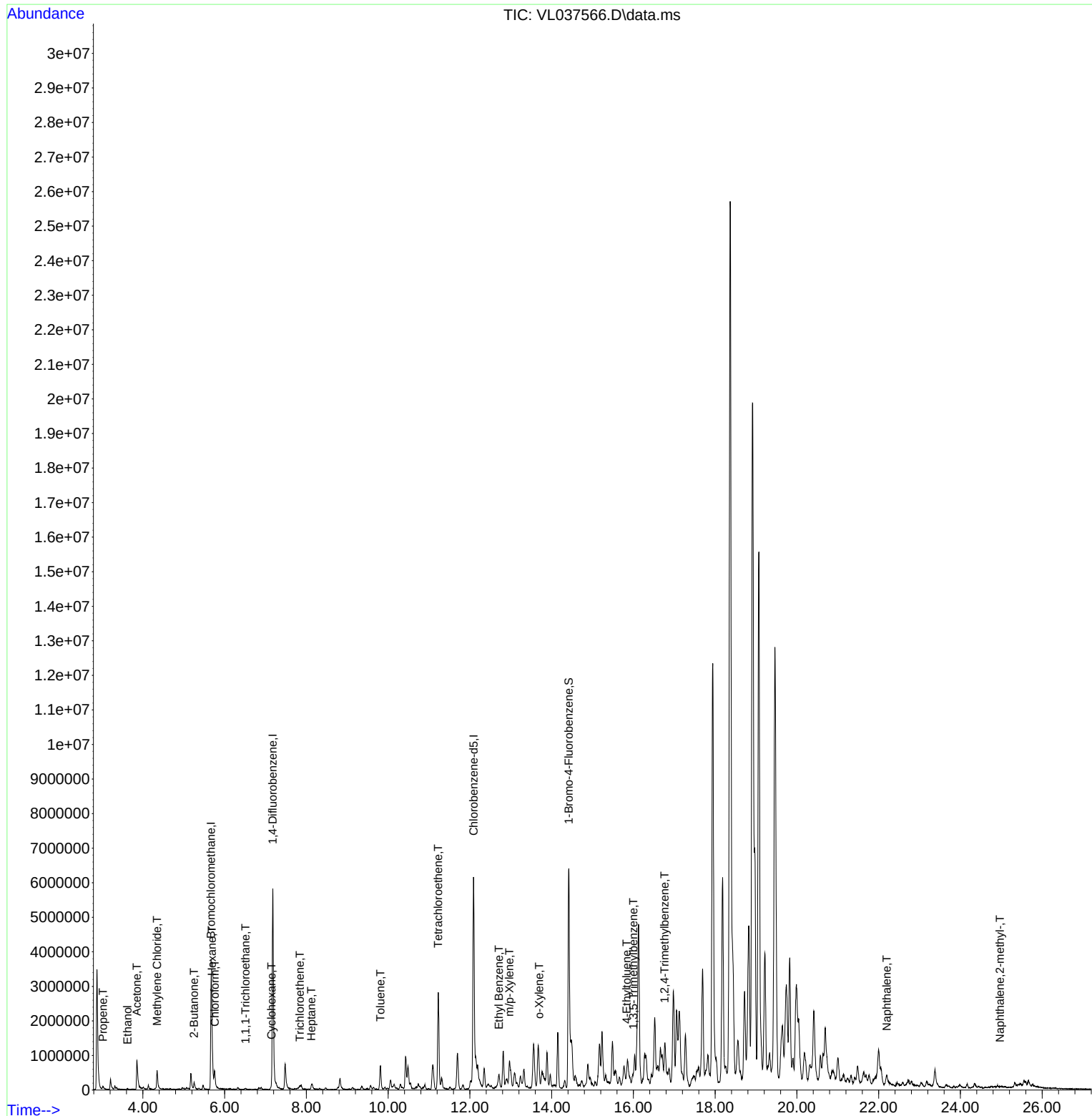
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

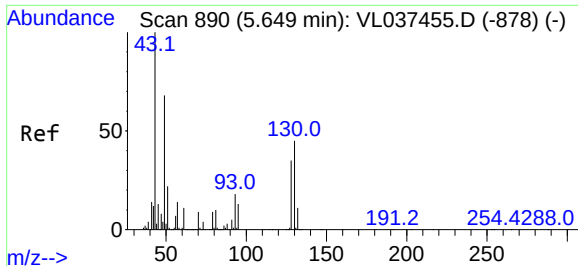
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
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QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 896
Delta R.T. 0.019 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

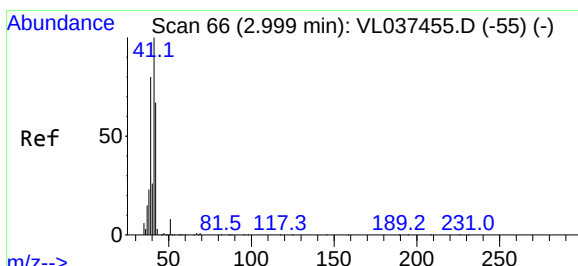
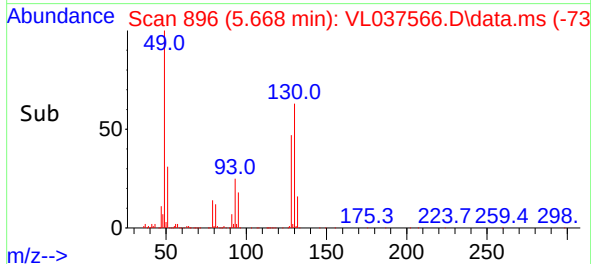
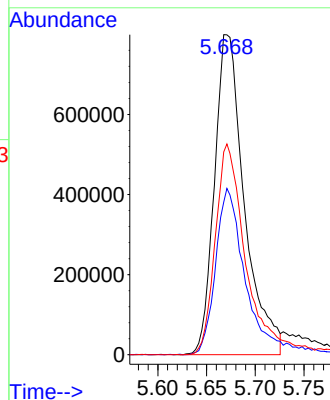
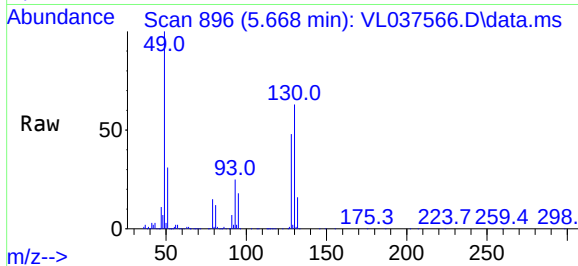
Instrument :
MSVOA_L
ClientSampled :
SV-1DL

Tgt Ion: 49 Resp: 1706708
Ion Ratio Lower Upper
49 100
128 54.3 27.5 82.4
130 70.5 34.0 101.8

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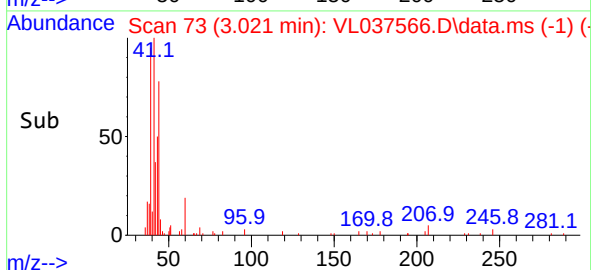
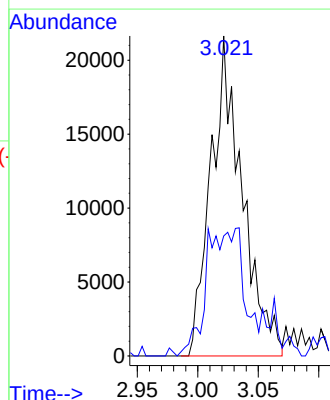
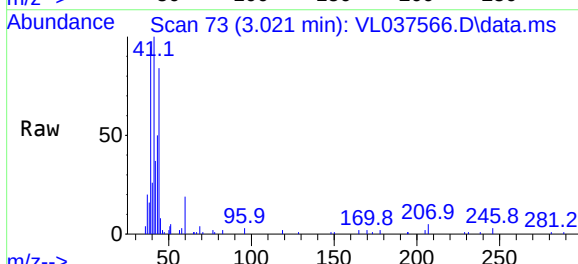
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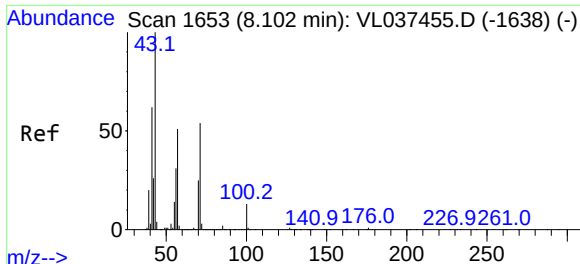
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#9
Propene
Concen: 0.333 ppbv m
RT: 3.021 min Scan# 73
Delta R.T. 0.022 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

Tgt Ion: 41 Resp: 38931
Ion Ratio Lower Upper
41 100
42 0.0 53.7 80.5#





#10
Heptane
Concen: 0.204 ppbv m
RT: 8.121 min Scan# 1659
Delta R.T. 0.019 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

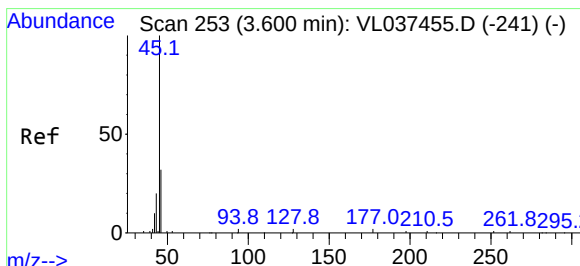
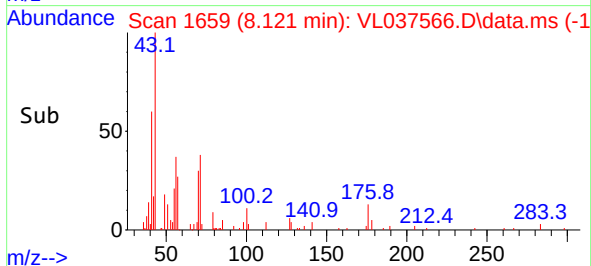
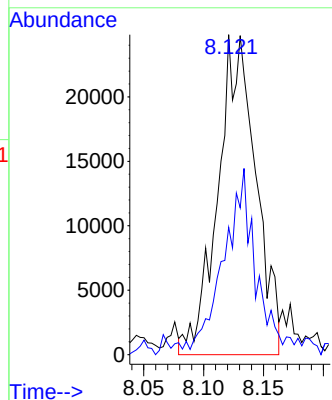
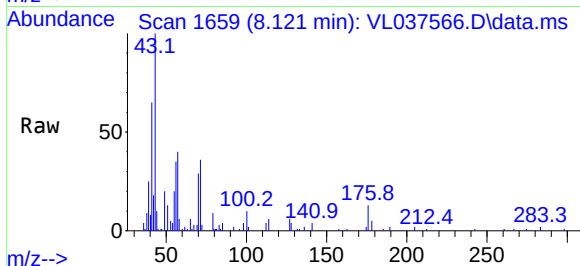
Tgt Ion: 43 Resp: 54961
Ion Ratio Lower Upper
43 100
57 48.8 41.0 61.6

Instrument :
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ClientSampled :
SV-1DL

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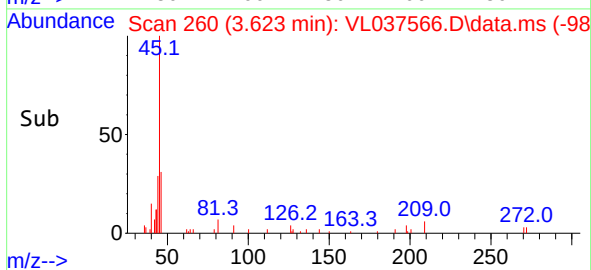
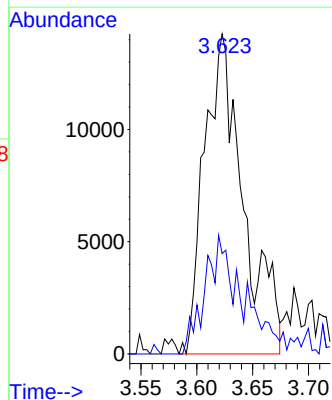
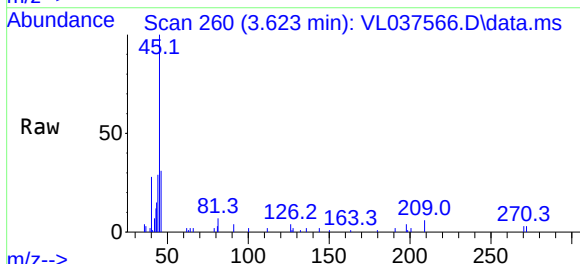
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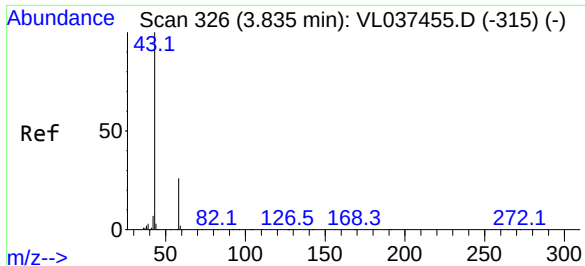
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#13
Ethanol
Concen: 3.032 ppbv m
RT: 3.623 min Scan# 260
Delta R.T. 0.022 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

Tgt Ion: 45 Resp: 34504
Ion Ratio Lower Upper
45 100
46 0.0 14.1 56.5#





#15
Acetone
Concen: 6.485 ppbv
RT: 3.854 min Scan# 332
Delta R.T. 0.019 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

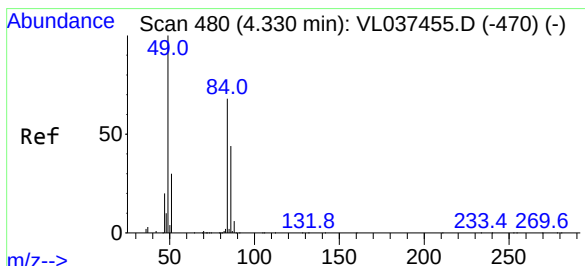
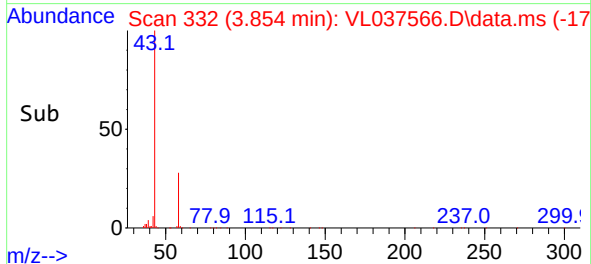
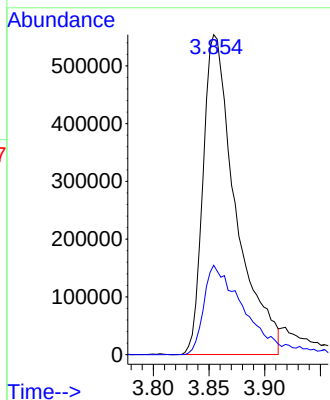
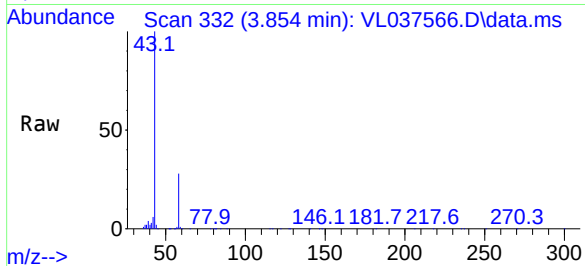
Tgt Ion: 43 Resp: 1126346
Ion Ratio Lower Upper
43 100
58 37.1 24.8 37.2

Instrument :
MSVOA_L
ClientSampled :
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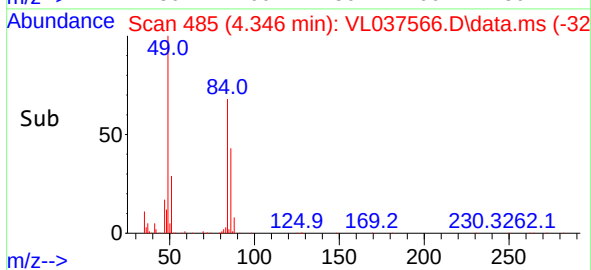
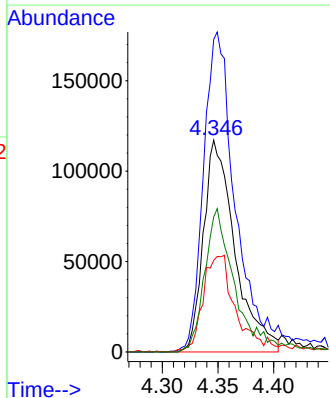
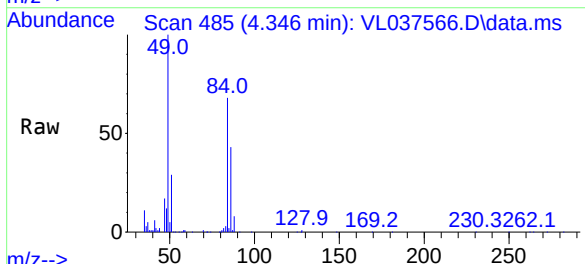
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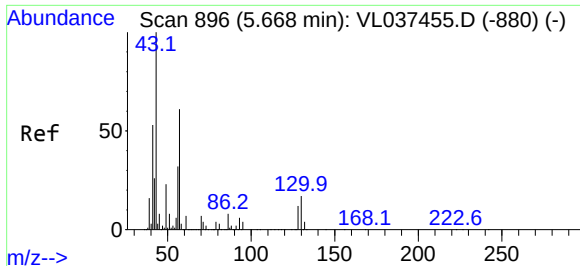
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#20
Methylene Chloride
Concen: 2.654 ppbv
RT: 4.346 min Scan# 485
Delta R.T. 0.016 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

Tgt Ion: 84 Resp: 230841
Ion Ratio Lower Upper
84 100
49 146.9 118.2 177.2
51 42.1 36.6 55.0
86 63.8 51.8 77.6





#26
Hexane
Concen: 1.941 ppbv
RT: 5.693 min Scan# 904
Delta R.T. 0.026 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

Tgt Ion: 57 Resp: 418491

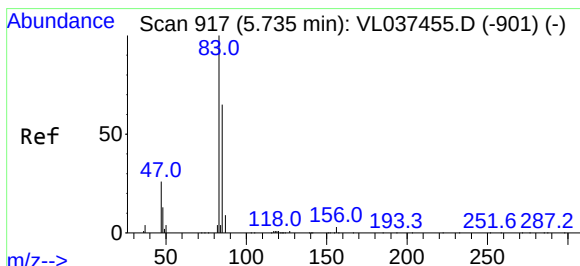
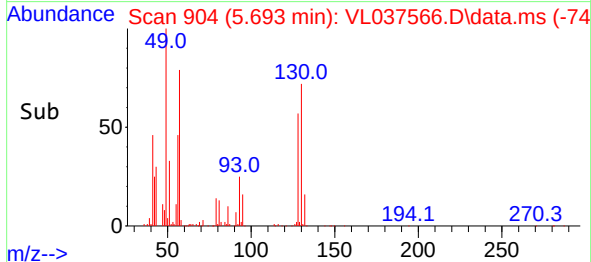
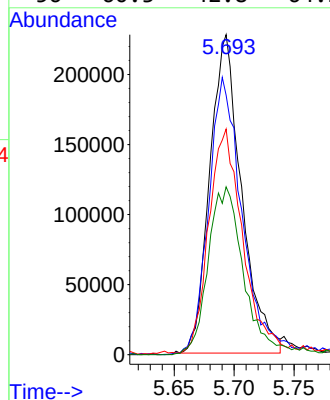
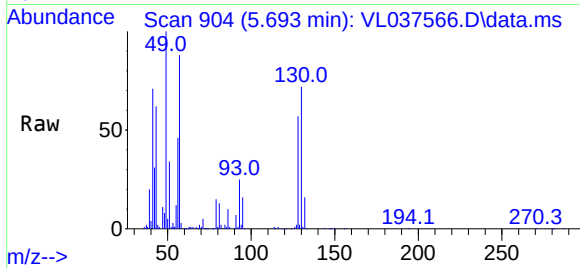
Ion	Ratio	Lower	Upper
57	100		
41	94.5	72.3	108.5
43	80.3	172.3	258.5#
56	60.3	42.8	64.2

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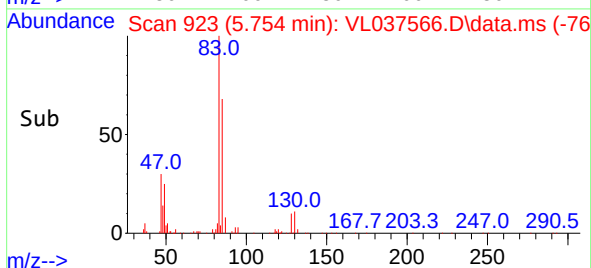
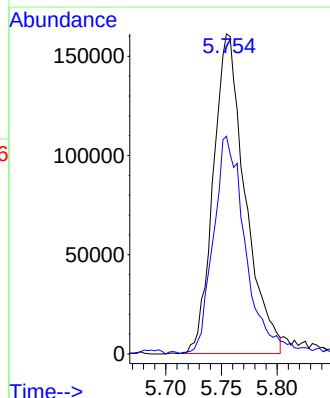
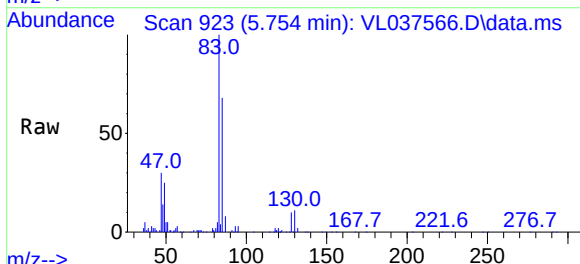
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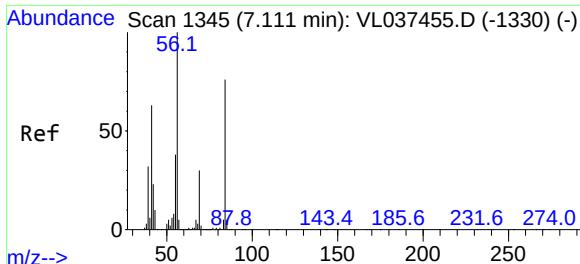


#29
Chloroform
Concen: 1.048 ppbv
RT: 5.754 min Scan# 923
Delta R.T. 0.019 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

Tgt Ion: 83 Resp: 320196

Ion	Ratio	Lower	Upper
83	100		
85	68.0	52.3	78.5





#30
Cyclohexane
Concen: 0.157 ppbv m
RT: 7.143 min Scan# 1355
Delta R.T. 0.032 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

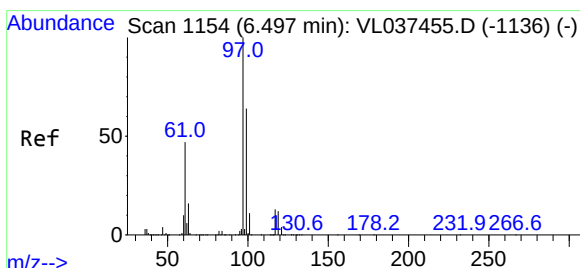
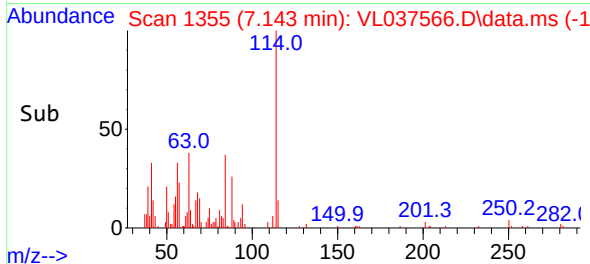
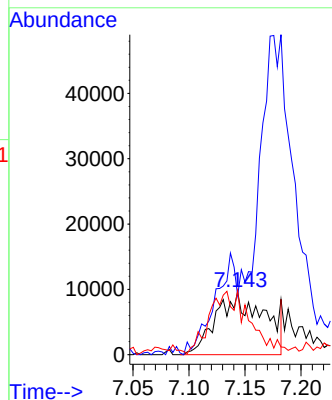
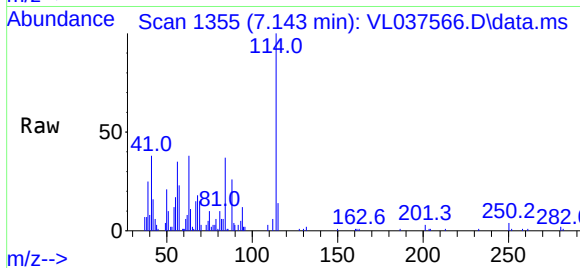
Instrument :
MSVOA_L
ClientSampled :
SV-1DL

Tgt Ion: 84 Resp: 28184
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 0.0 67.0 100.6#

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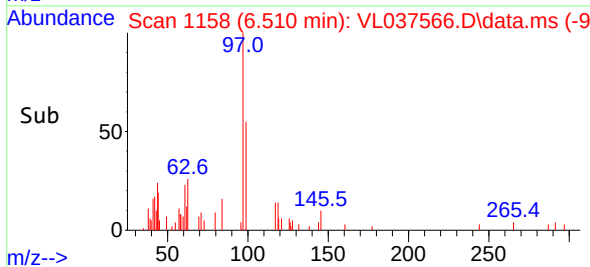
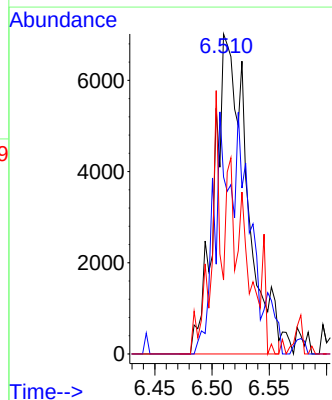
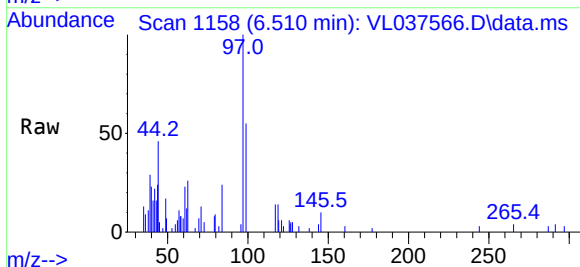
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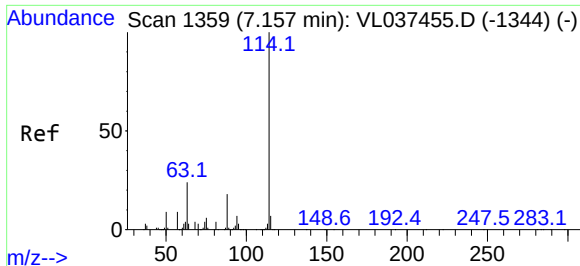
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#32
1,1,1-Trichloroethane
Concen: 0.046 ppbv m
RT: 6.510 min Scan# 1158
Delta R.T. 0.013 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

Tgt Ion: 97 Resp: 13880
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 0.0 39.6 59.4#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.022 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

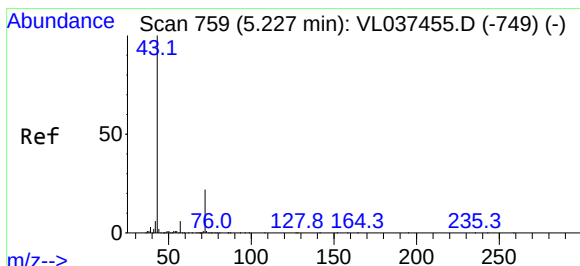
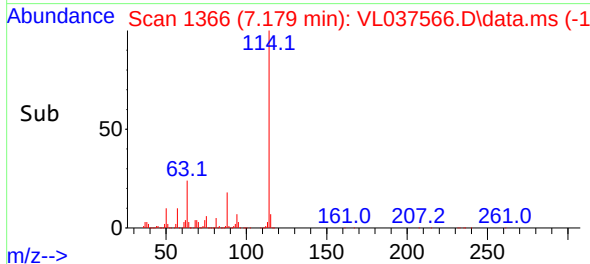
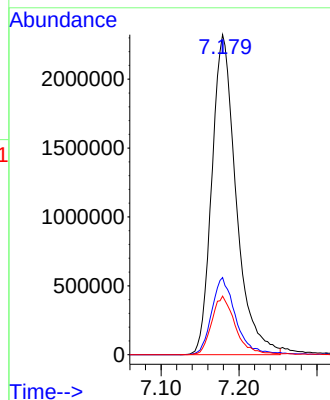
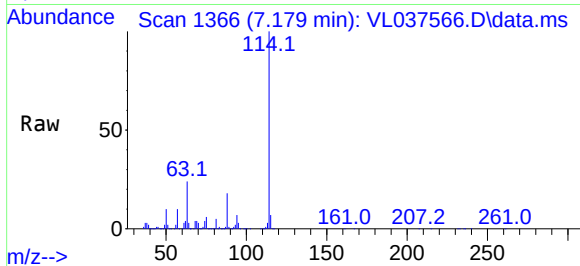
Tgt Ion: 114 Resp: 5033480
Ion Ratio Lower Upper
114 100
63 24.2 19.3 28.9
88 18.0 14.2 21.4

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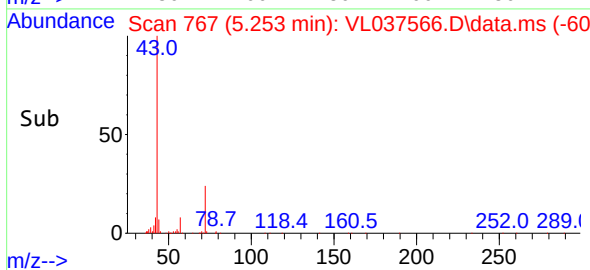
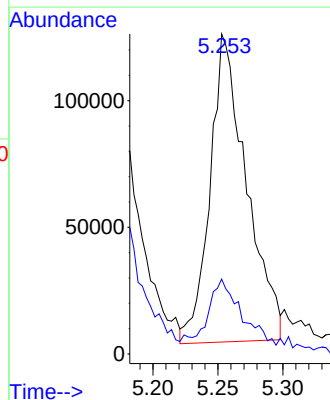
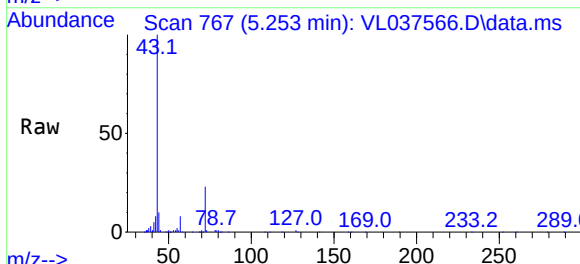
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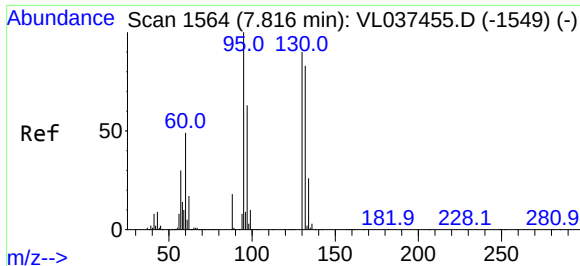
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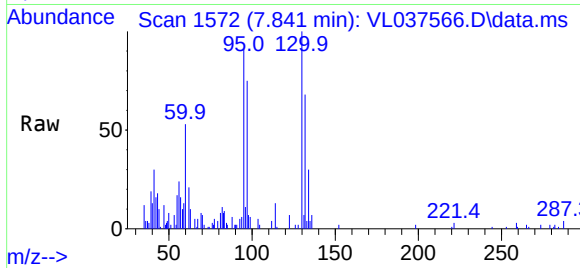
#34
2-Butanone
Concen: 1.152 ppbv
RT: 5.253 min Scan# 767
Delta R.T. 0.026 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

Tgt Ion: 43 Resp: 236838
Ion Ratio Lower Upper
43 100
72 29.1 17.4 26.0#

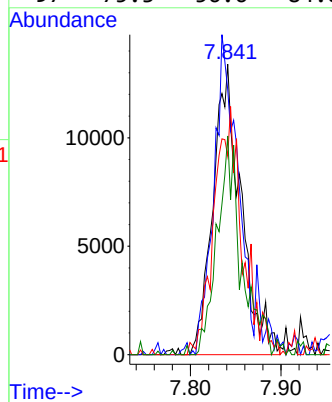
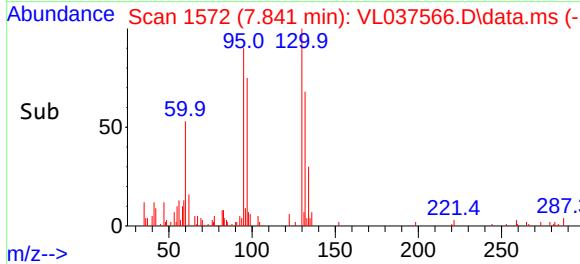




#38
Trichloroethene
Concen: 0.165 ppbv m
RT: 7.841 min Scan# 1572
Delta R.T. 0.026 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09



Tgt Ion:	130	Resp:	28580
Ion Ratio	Lower	Upper	
130	100		
95	91.3	89.2	133.8
132	68.3	74.0	111.0#
97	75.3	56.6	84.8

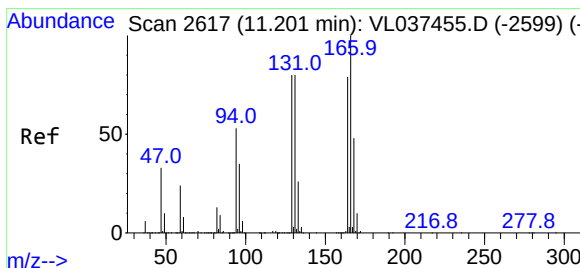


Instrument :
MSVOA_L
ClientSampled :
SV-1DL

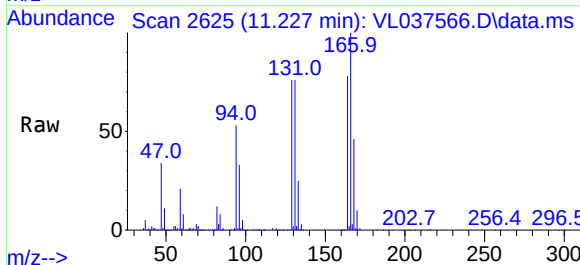
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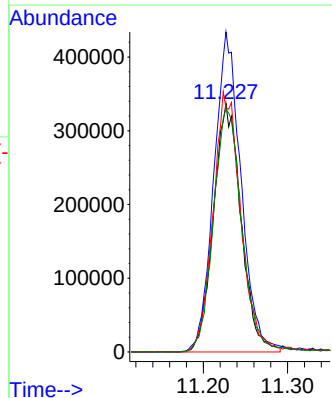
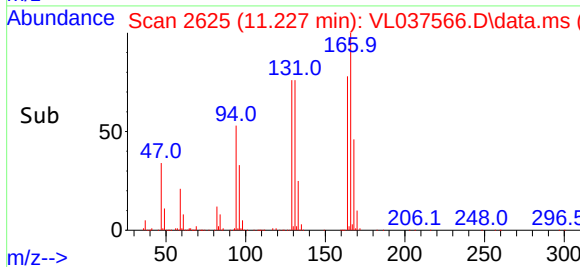
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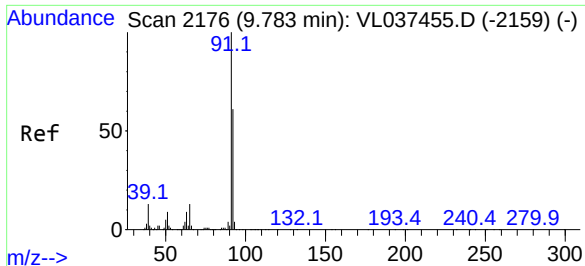


#52
Tetrachloroethene
Concen: 4.430 ppbv
RT: 11.227 min Scan# 2625
Delta R.T. 0.026 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09



Tgt Ion:	164	Resp:	768055
Ion Ratio	Lower	Upper	
164	100		
166	128.7	100.7	151.1
129	98.1	80.9	121.3
131	97.6	80.2	120.4





#53
Toluene
Concen: 1.189 ppbv
RT: 9.812 min Scan# 2185
Delta R.T. 0.029 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

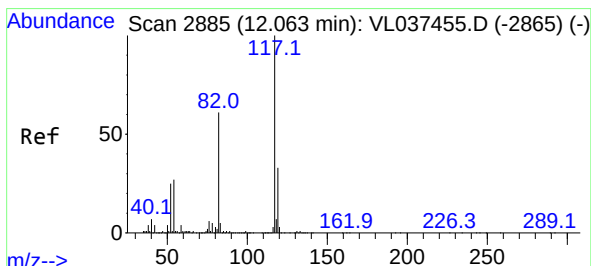
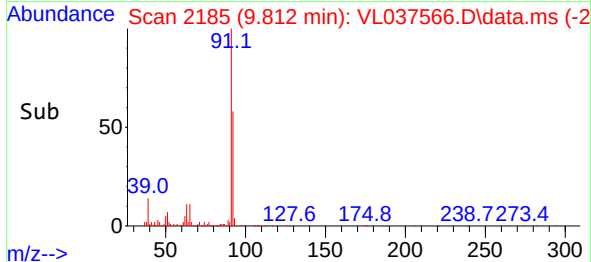
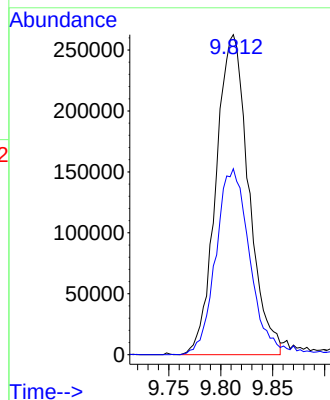
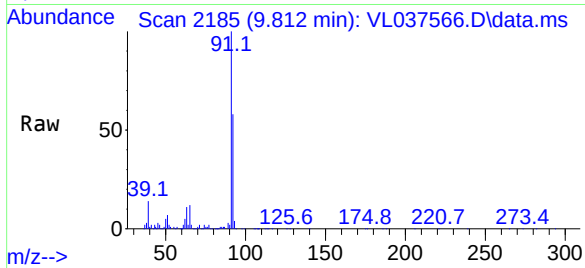
Tgt Ion: 91 Resp: 574426
Ion Ratio Lower Upper
91 100
92 61.7 48.8 73.2

Instrument :
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ClientSampled :
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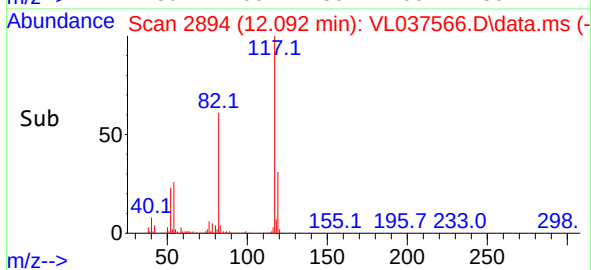
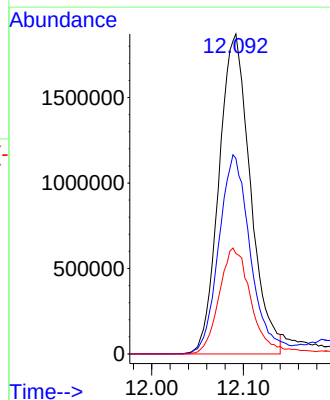
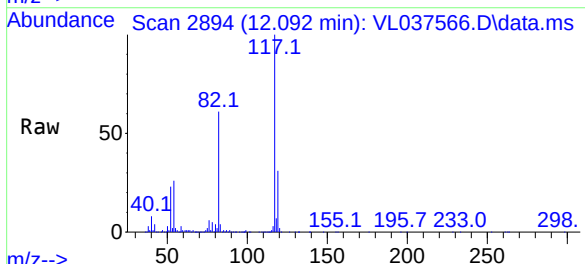
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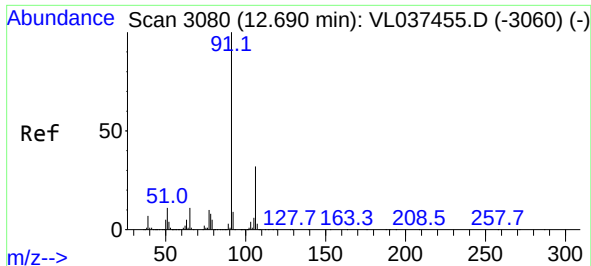
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.092 min Scan# 2894
Delta R.T. 0.029 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

Tgt Ion: 117 Resp: 4448494
Ion Ratio Lower Upper
117 100
82 63.3 52.9 79.3
119 35.7 24.8 37.2





#58
Ethyl Benzene
Concen: 0.431 ppbv
RT: 12.712 min Scan# 3087
Delta R.T. 0.022 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

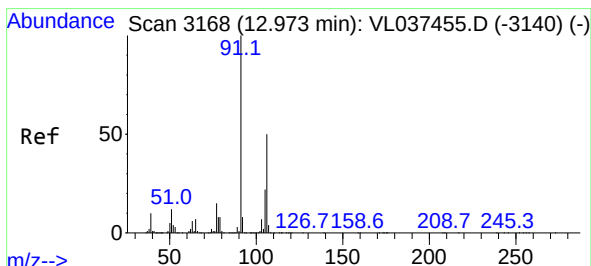
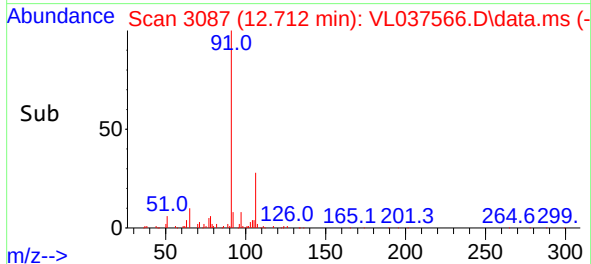
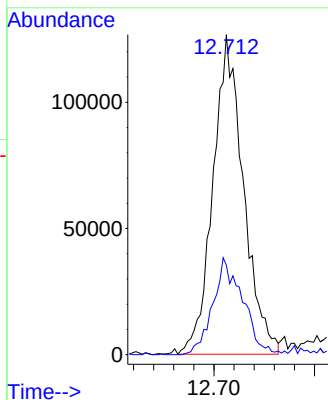
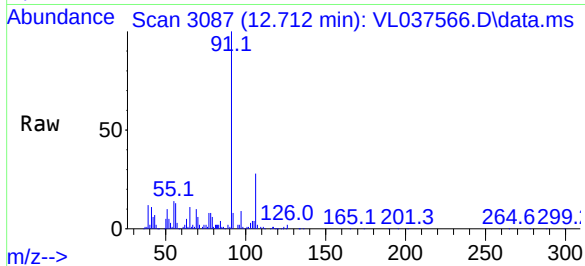
Tgt Ion: 91 Resp: 266315
Ion Ratio Lower Upper
91 100
106 27.3 25.7 38.5

Instrument :
MSVOA_L
ClientSampled :
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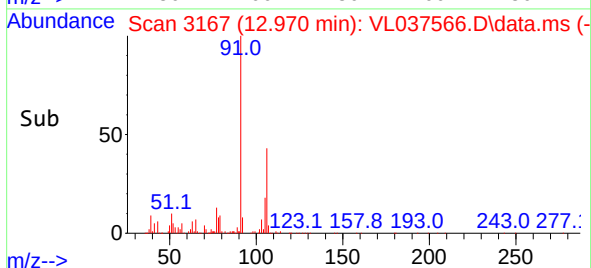
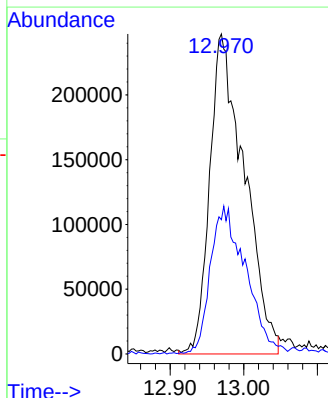
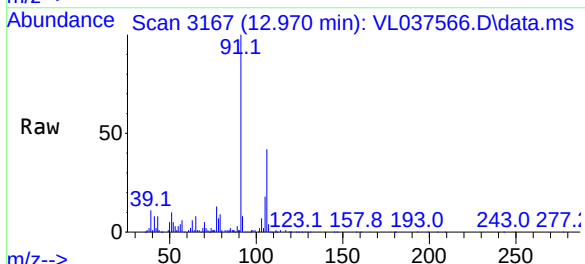
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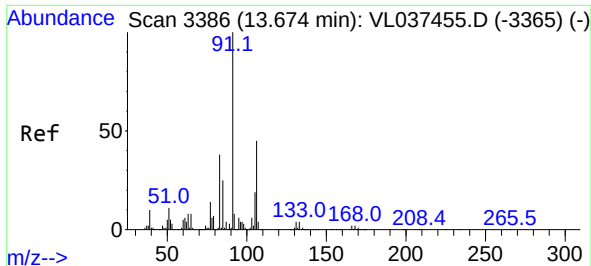
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#59
m/p-Xylene
Concen: 1.507 ppbv m
RT: 12.970 min Scan# 3167
Delta R.T. -0.003 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

Tgt Ion: 91 Resp: 806614
Ion Ratio Lower Upper
91 100
106 0.0 36.9 55.3#





#60
o-Xylene
Concen: 0.579 ppbv
RT: 13.693 min Scan# 3392
Delta R.T. 0.019 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

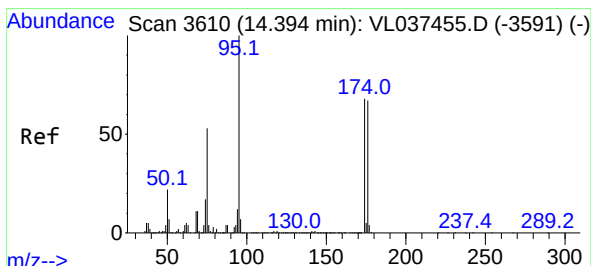
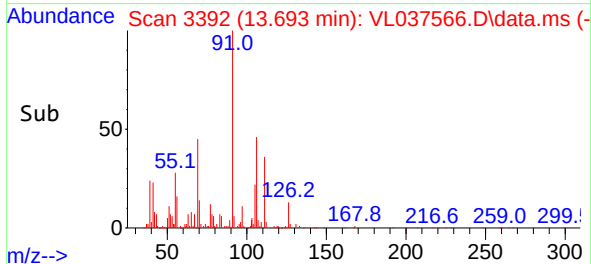
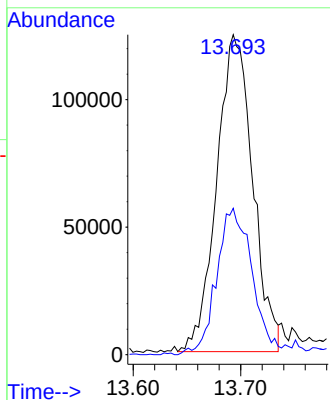
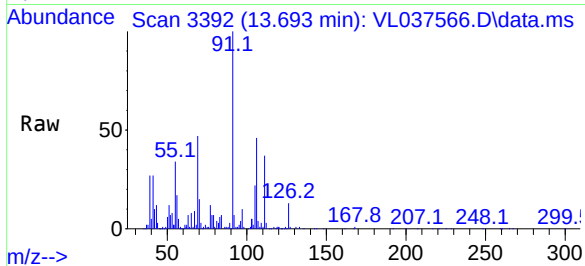
Tgt Ion: 91 Resp: 289276
Ion Ratio Lower Upper
91 100
106 48.7 23.7 71.1

Instrument :
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ClientSampled :
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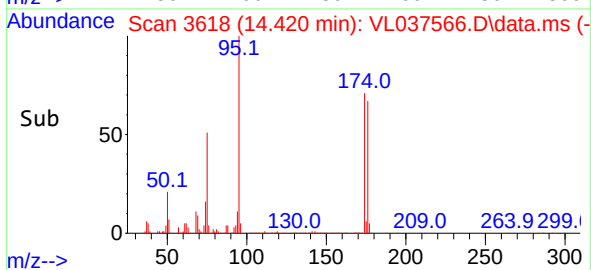
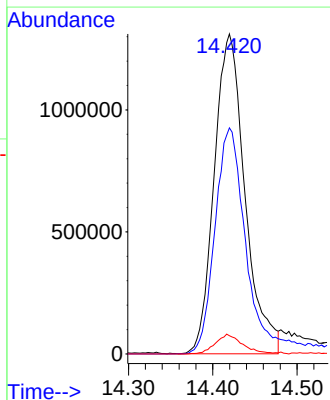
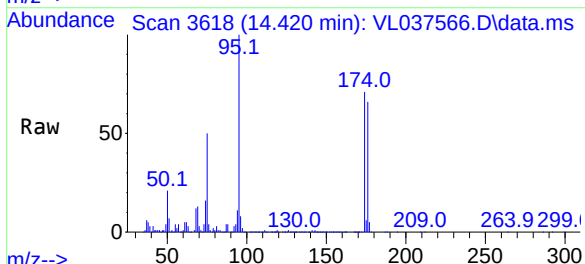
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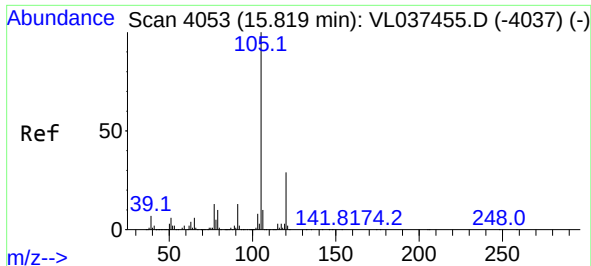
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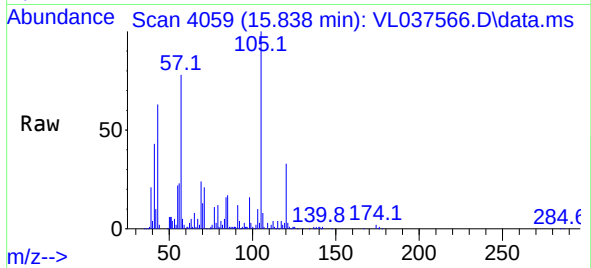
#68
1-Bromo-4-Fluorobenzene
Concen: 10.521 ppbv
RT: 14.420 min Scan# 3618
Delta R.T. 0.026 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

Tgt Ion: 95 Resp: 3324961
Ion Ratio Lower Upper
95 100
174 76.7 59.6 89.4
175 5.6 4.6 7.0

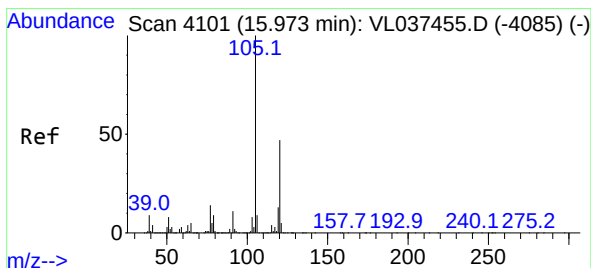
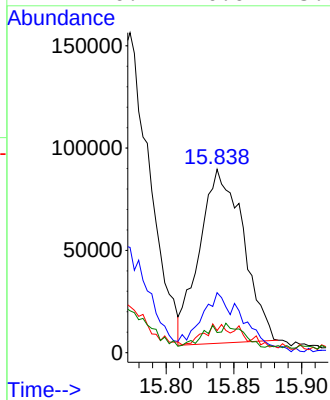
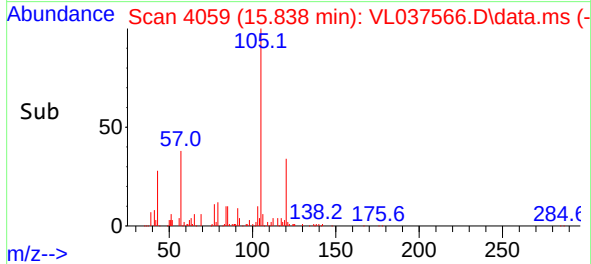




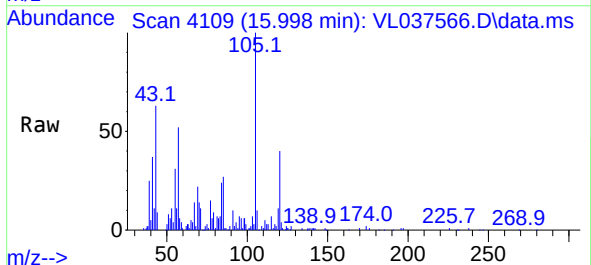
#72
4-Ethyltoluene
Concen: 0.321 ppbv
RT: 15.838 min Scan# 4059
Delta R.T. 0.019 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09



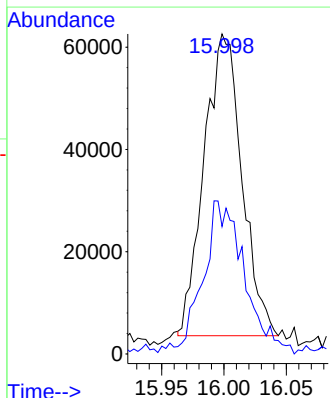
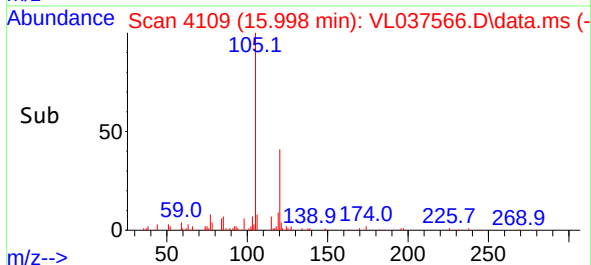
Tgt Ion:105 Resp: 190855
Ion Ratio Lower Upper
105 100
120 34.4 24.7 37.1
91 14.5 9.8 14.8
77 16.4 10.6 15.8#



#73
1,3,5-Trimethylbenzene
Concen: 0.225 ppbv
RT: 15.998 min Scan# 4109
Delta R.T. 0.026 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09



Tgt Ion:105 Resp: 124518
Ion Ratio Lower Upper
105 100
120 39.8 37.6 56.4

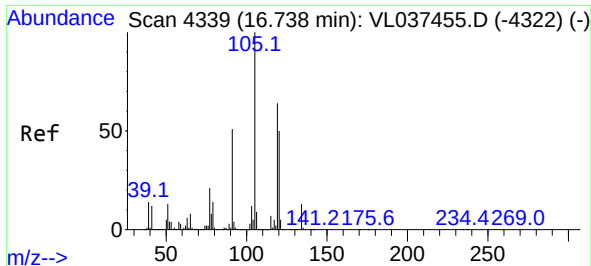


Instrument :
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#74
1,2,4-Trimethylbenzene
Concen: 0.905 ppbv
RT: 16.760 min Scan# 4346
Delta R.T. 0.022 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

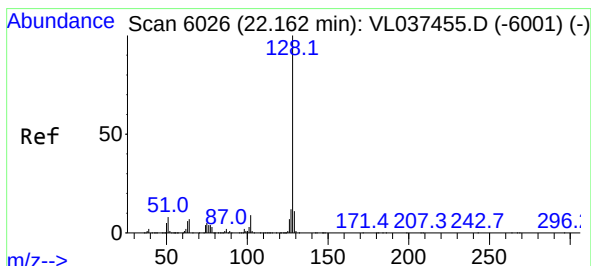
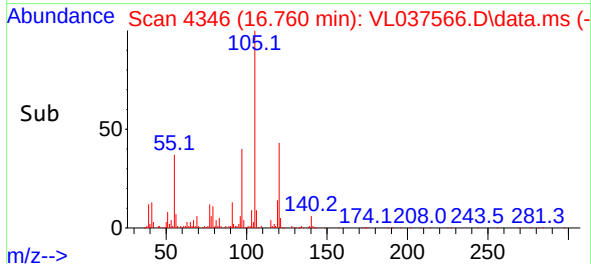
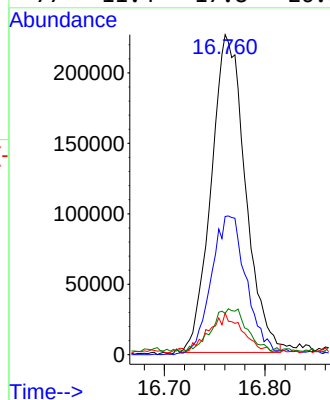
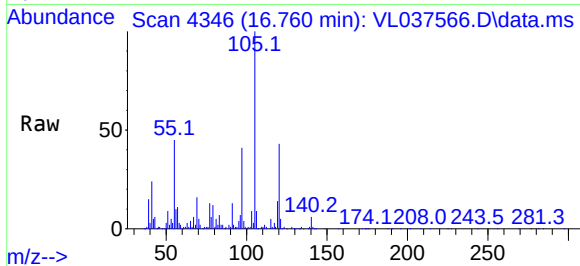
Tgt Ion:	105	Resp:	531989
Ion	Ratio	Lower	Upper
105	100		
120	42.9	40.4	60.6
91	12.5	44.6	67.0#
77	11.4	17.8	26.6#

Instrument :
MSVOA_L
ClientSampled :
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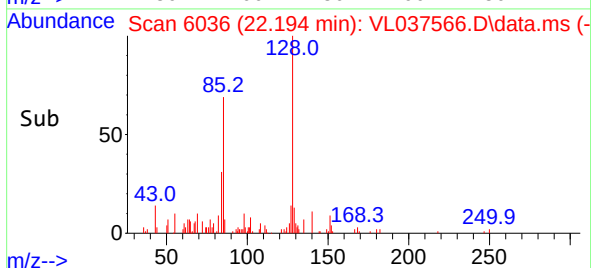
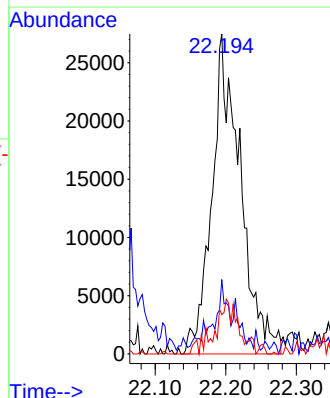
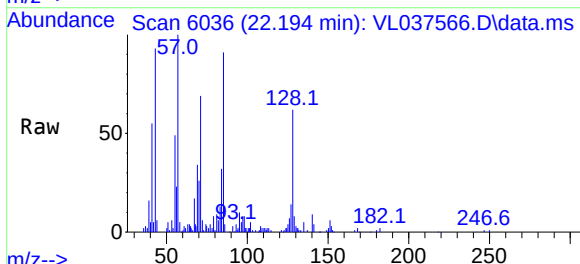
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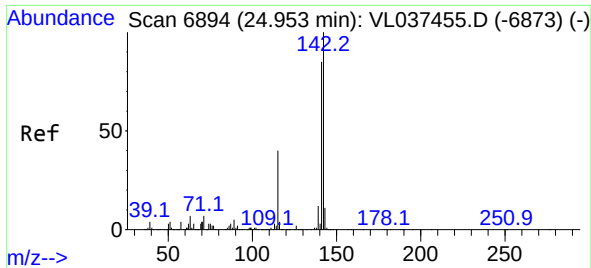
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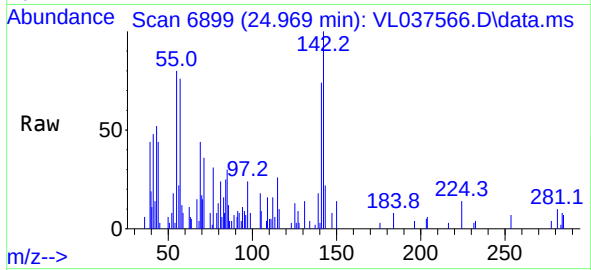
#79
Naphthalene
Concen: 0.196 ppbv m
RT: 22.194 min Scan# 6036
Delta R.T. 0.032 min
Lab File: VL037566.D
Acq: 8 Sep 2021 11:09

Tgt Ion:	128	Resp:	77050
Ion	Ratio	Lower	Upper
128	100		
127	23.3	9.4	14.2#
129	12.3	8.8	13.2

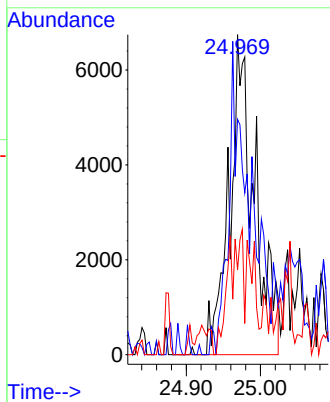
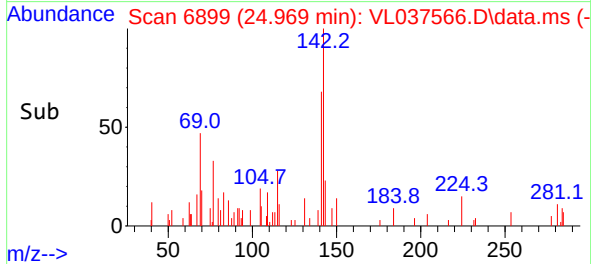




#80
 Naphthalene, 2-methyl-
 Concen: 0.144 ppbv
 RT: 24.969 min Scan# 6899
 Delta R.T. 0.016 min
 Lab File: VL037566.D
 Acq: 8 Sep 2021 11:09



Tgt Ion:	142	Resp:	15761
Ion	Ratio	Lower	Upper
142	100		
141	80.9	64.7	97.1
115	40.1	28.4	42.6



Instrument :
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 ClientSampleId :
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