

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
 Data File : VL037567.D
 Acq On : 8 Sep 2021 11:47
 Operator : SY/AP
 Sample : M3663-04 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 10:52:18 AM

Quant Time: Sep 09 09:11:23 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	5.671	49	1814017	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.179	114	5177962	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.095	117	4710188	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.423	95	3558975	10.635	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.400%
Target Compounds						Qvalue
9) Propene	3.012	41	74199m	0.597	ppbv	
10) Heptane	8.127	43	34114m	0.119	ppbv	
13) Ethanol	3.623	45	56111m	4.640	ppbv	
15) Acetone	3.851	43	2361046	12.789	ppbv	99
17) tert-Butyl alcohol	4.307	59	84635m	0.502	ppbv	
19) Isopropyl Alcohol	3.973	45	92042m	0.870	ppbv	
20) Methylene Chloride	4.349	84	328395	3.553	ppbv	94
26) Hexane	5.690	57	284129	1.240	ppbv #	46
32) 1,1,1-Trichloroethane	6.510	97	23548	0.074	ppbv	96
34) 2-Butanone	5.253	43	288429	1.364	ppbv	92
36) Benzene	6.899	78	67630m	0.155	ppbv	
38) Trichloroethene	7.838	130	55899m	0.313	ppbv	
52) Tetrachloroethene	11.227	164	100409	0.563	ppbv	92
53) Toluene	9.812	91	4287741	8.627	ppbv	99
58) Ethyl Benzene	12.719	91	11078002	16.948	ppbv	97
59) m/p-Xylene	12.979	91	23735926	41.887	ppbv #	82
60) o-Xylene	13.696	91	9053767	17.118	ppbv	99
72) 4-Ethyltoluene	15.838	105	138883	0.221	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.008	105	116478m	0.199	ppbv	
74) 1,2,4-Trimethylbenzene	16.760	105	388824m	0.625	ppbv	

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

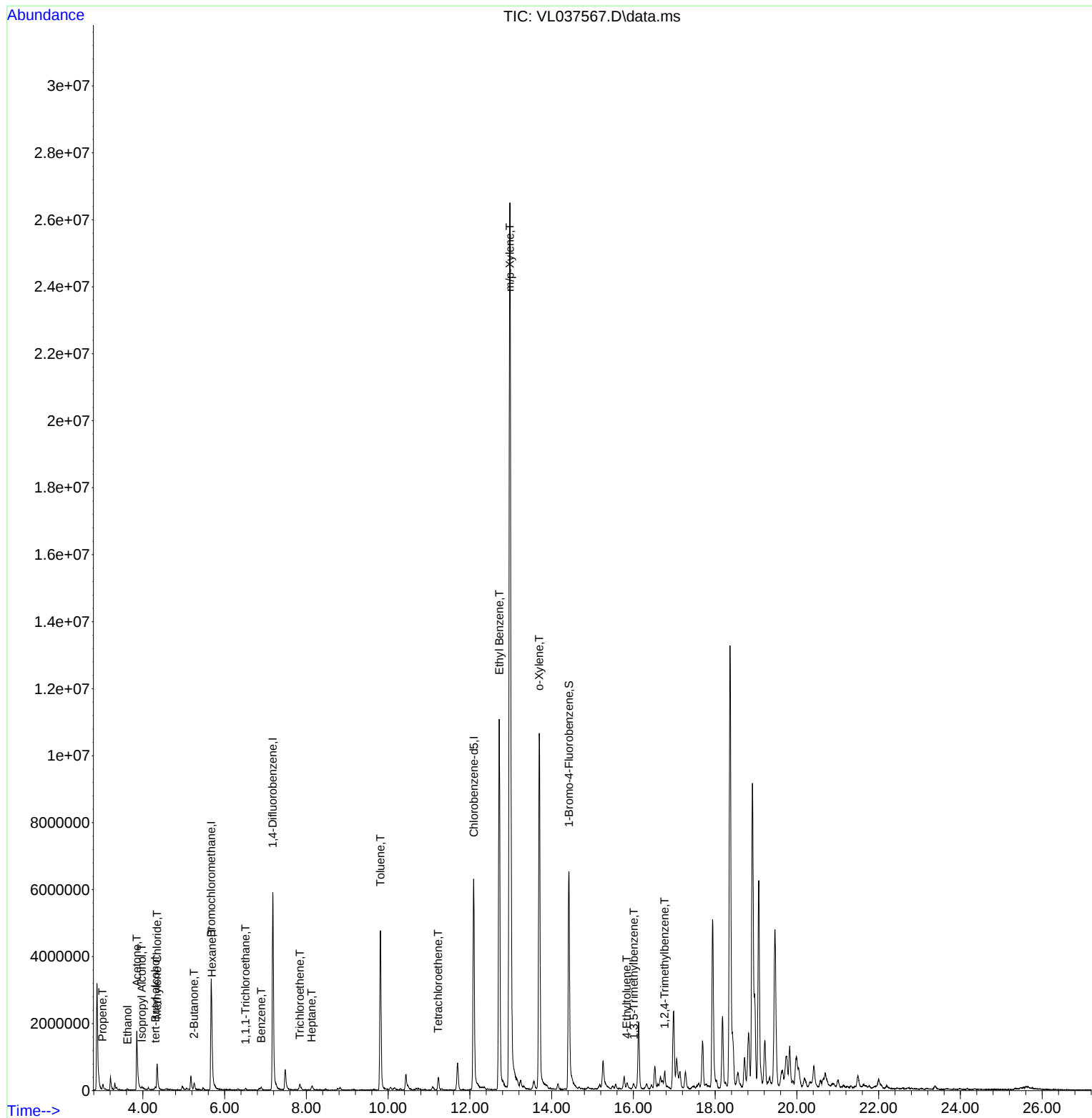
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Data File : VL037567.D
Acq On : 8 Sep 2021 11:47
Operator : SY/AP
Sample : M3663-04 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

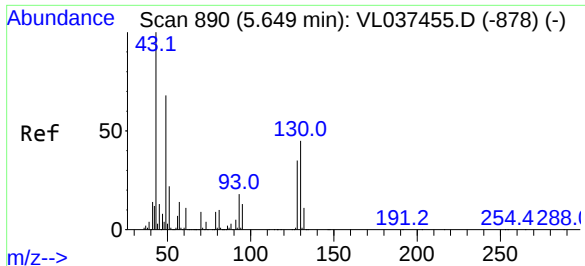
Instrument :
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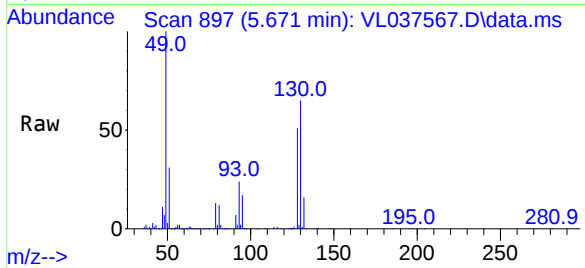
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 897
Delta R.T. 0.022 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

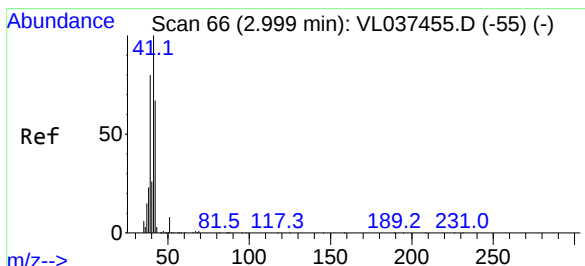
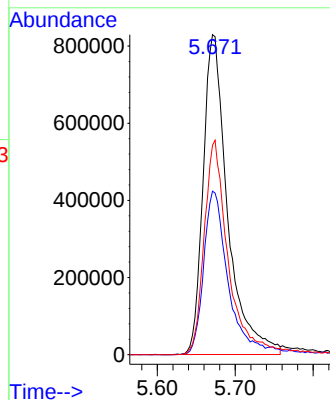
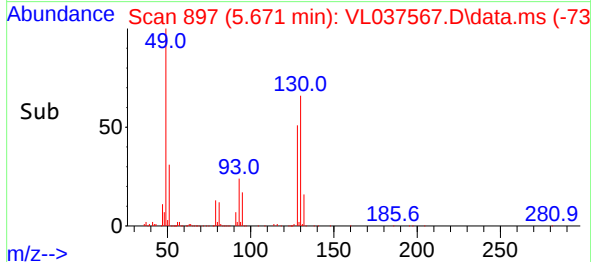
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL



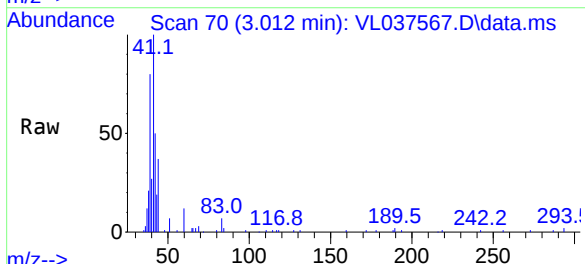
Tgt Ion: 49 Resp: 1814017
Ion Ratio Lower Upper
49 100
128 52.9 27.5 82.4
130 66.9 34.0 101.8

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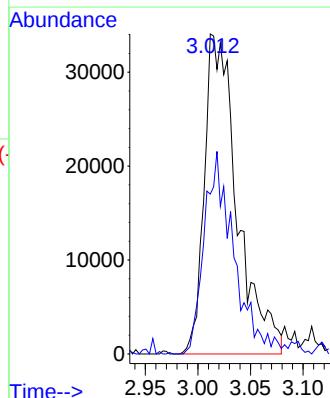
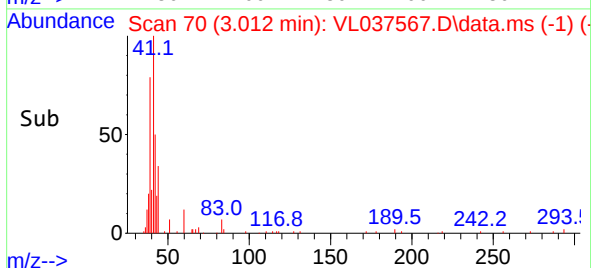
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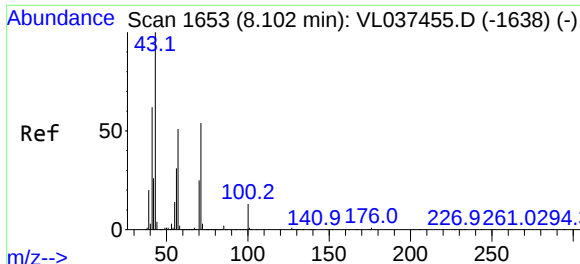


#9
Propene
Concen: 0.597 ppbv m
RT: 3.012 min Scan# 70
Delta R.T. 0.013 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47



Tgt Ion: 41 Resp: 74199
Ion Ratio Lower Upper
41 100
42 57.1 53.7 80.5





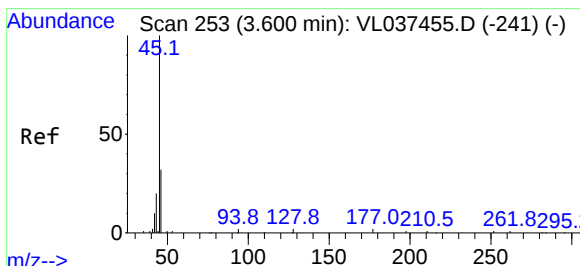
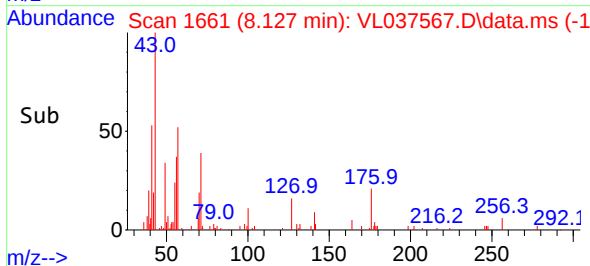
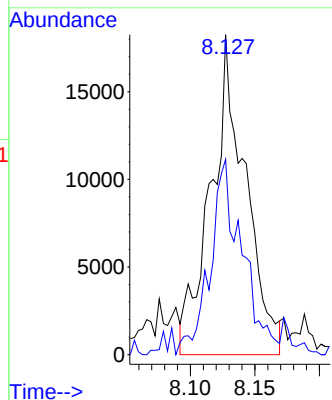
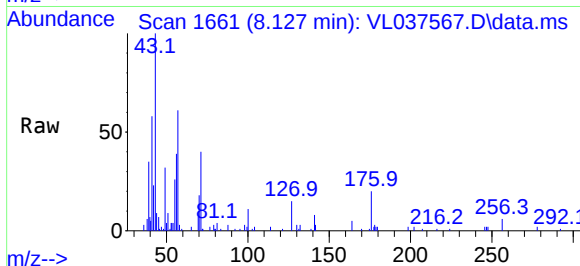
#10
Heptane
Concen: 0.119 ppbv m
RT: 8.127 min Scan# 1661
Delta R.T. 0.025 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

Instrument :
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ClientSampleId :
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Tgt Ion: 43 Resp: 34114
Ion Ratio Lower Upper
43 100
57 0.0 41.0 61.6#

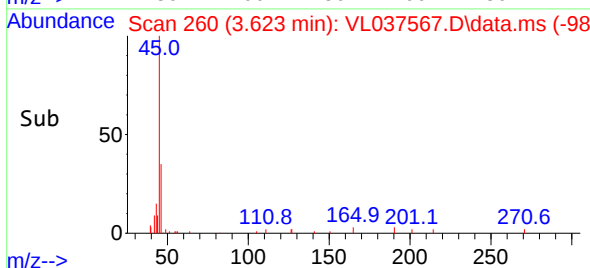
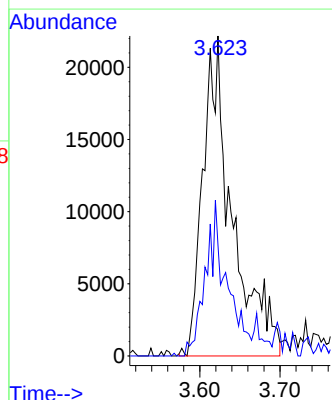
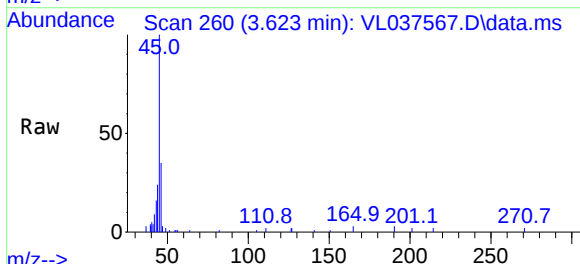
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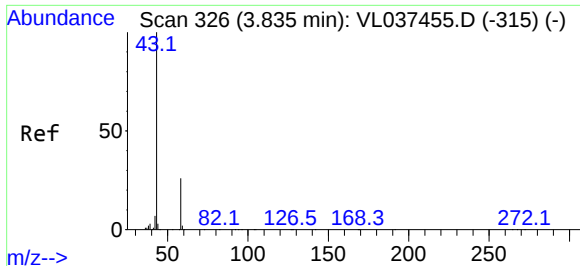
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#13
Ethanol
Concen: 4.640 ppbv m
RT: 3.623 min Scan# 260
Delta R.T. 0.022 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

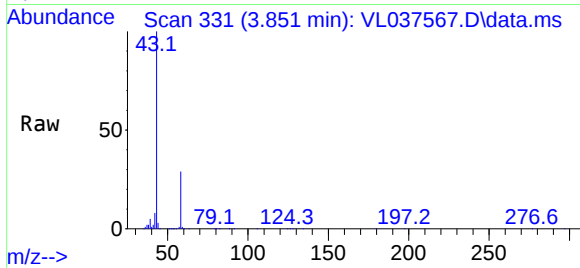
Tgt Ion: 45 Resp: 56111
Ion Ratio Lower Upper
45 100
46 0.0 14.1 56.5#





#15
Acetone
Concen: 12.789 ppbv
RT: 3.851 min Scan# 331
Delta R.T. 0.016 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

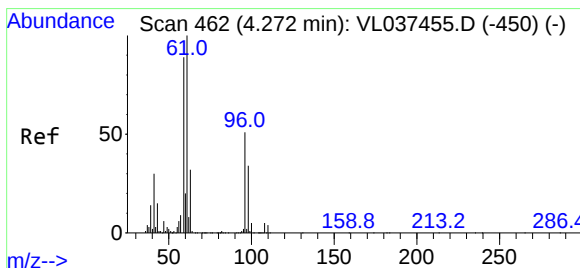
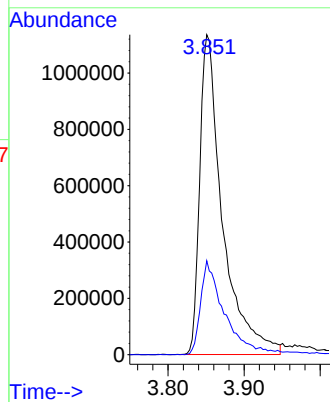
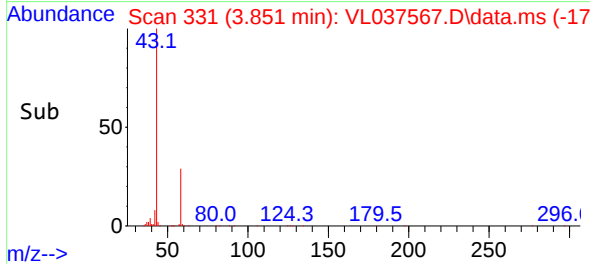
Instrument :
MSVOA_L
ClientSampled :
SV-1DL



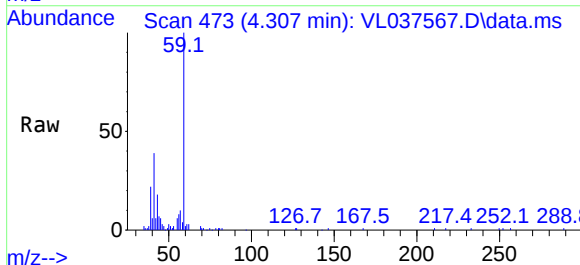
Tgt Ion: 43 Resp: 2361046
Ion Ratio Lower Upper
43 100
58 31.4 24.8 37.2

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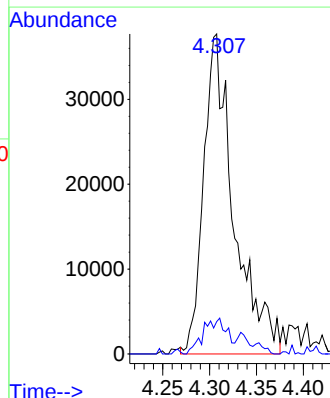
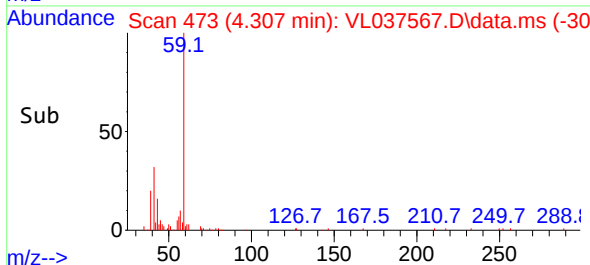
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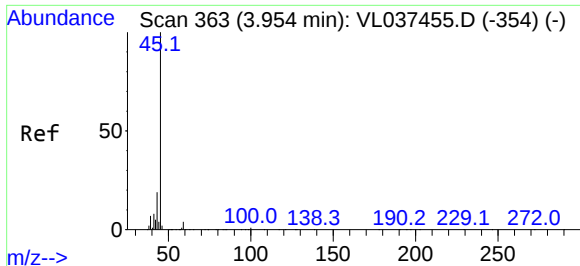


#17
tert-Butyl alcohol
Concen: 0.502 ppbv m
RT: 4.307 min Scan# 473
Delta R.T. 0.035 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47



Tgt Ion: 59 Resp: 84635
Ion Ratio Lower Upper
59 100
57 12.5 8.3 12.5#





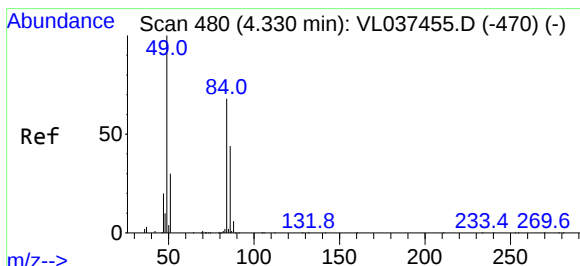
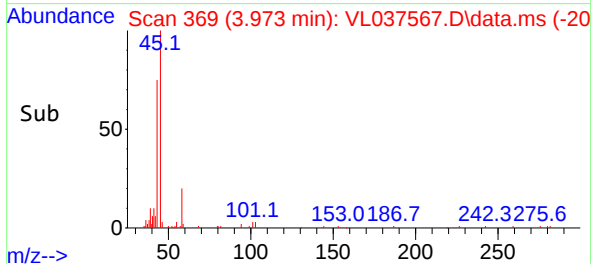
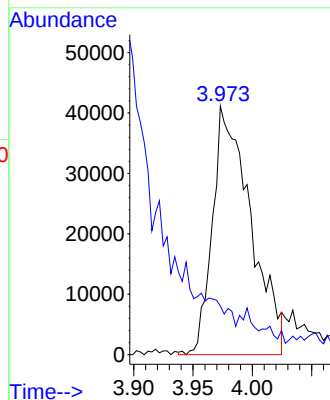
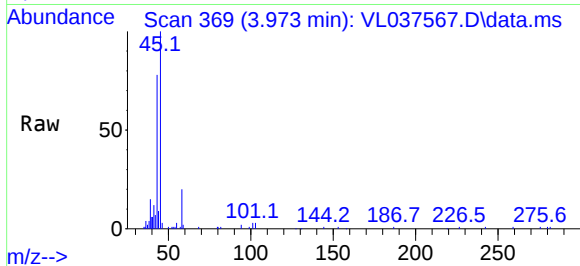
#19
Isopropyl Alcohol
Concen: 0.870 ppbv m
RT: 3.973 min Scan# 369
Delta R.T. 0.019 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

Instrument :
MSVOA_L
ClientSampled :
SV-1DL

Tgt Ion: 45 Resp: 92042
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#

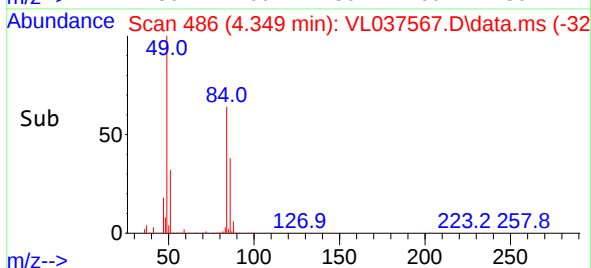
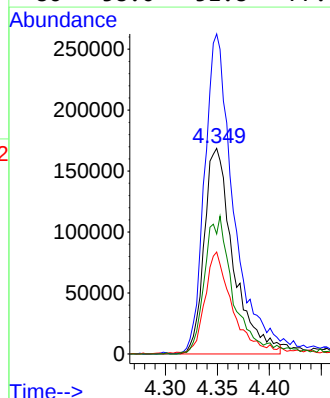
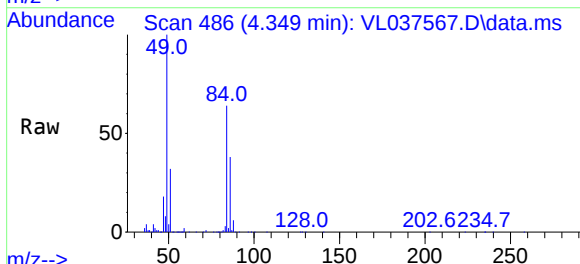
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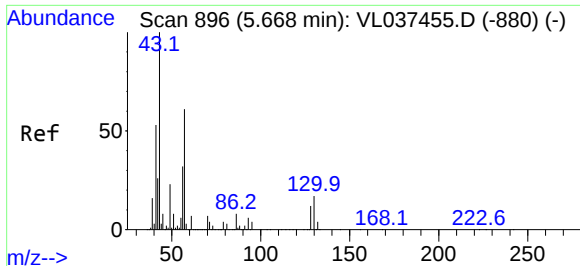
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#20
Methylene Chloride
Concen: 3.553 ppbv
RT: 4.349 min Scan# 486
Delta R.T. 0.019 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

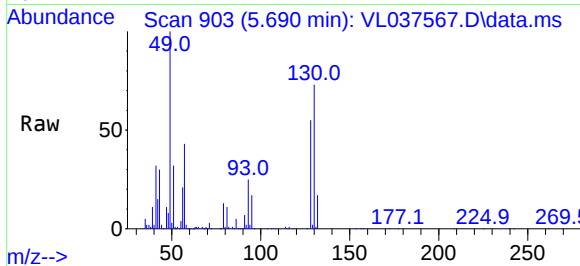
Tgt Ion: 84 Resp: 328395
Ion Ratio Lower Upper
84 100
49 155.0 118.2 177.2
51 48.8 36.6 55.0
86 58.0 51.8 77.6





#26
Hexane
Concen: 1.240 ppbv
RT: 5.690 min Scan# 903
Delta R.T. 0.022 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

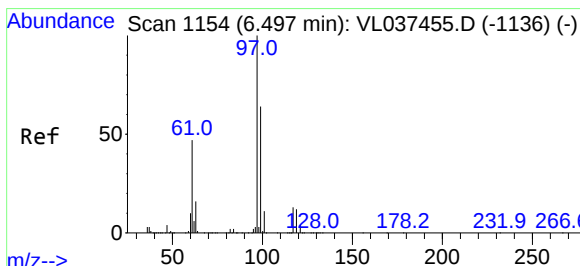
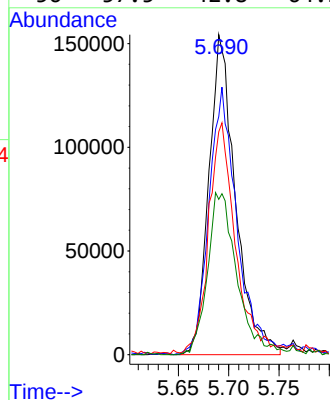
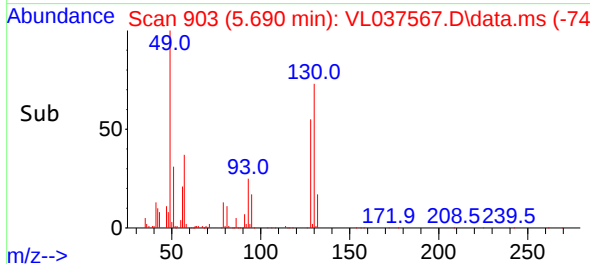
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL



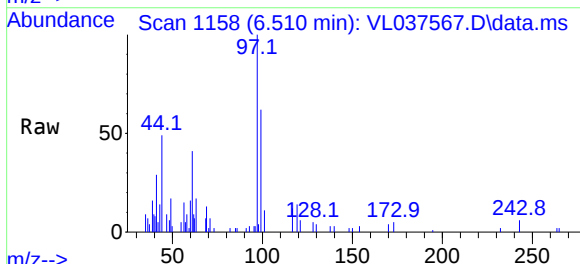
Tgt Ion: 57 Resp: 284129
Ion Ratio Lower Upper
57 100
41 90.7 72.3 108.5
43 75.4 172.3 258.5#
56 57.5 42.8 64.2

Manual Integrations
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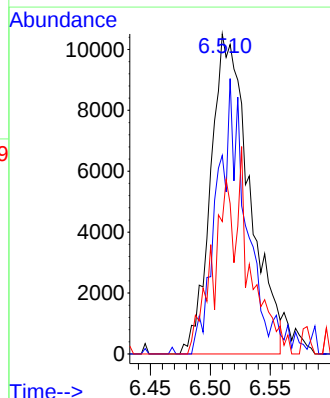
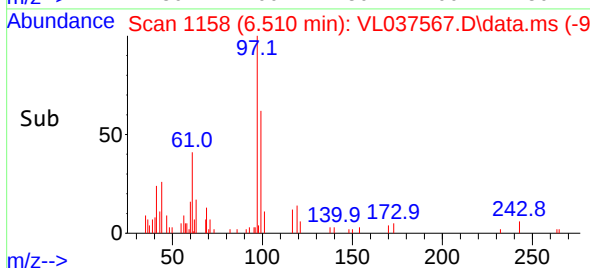
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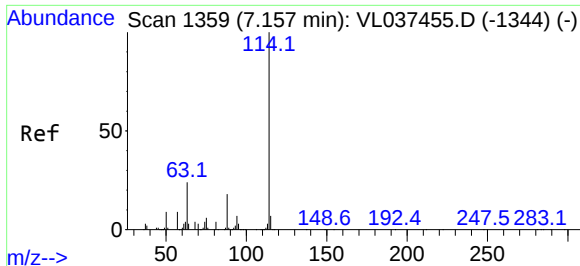


#32
1,1,1-Trichloroethane
Concen: 0.074 ppbv
RT: 6.510 min Scan# 1158
Delta R.T. 0.013 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47



Tgt Ion: 97 Resp: 23548
Ion Ratio Lower Upper
97 100
99 68.6 51.8 77.6
61 51.8 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: VL037567.D
Acq: 8 Sep 2021 11:47

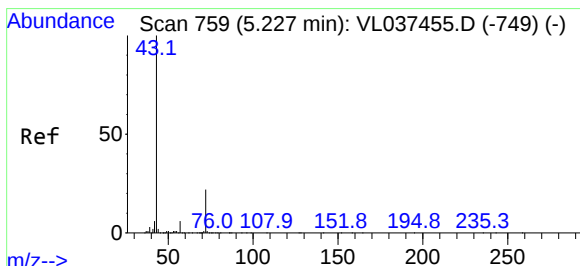
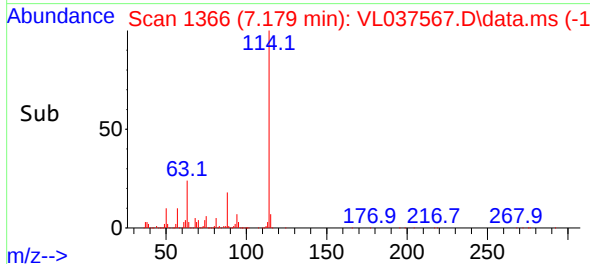
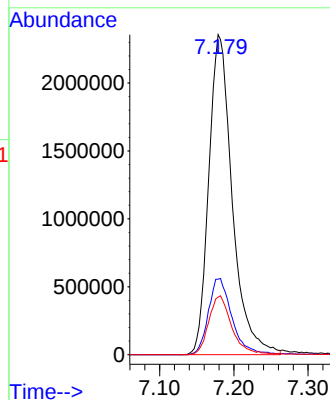
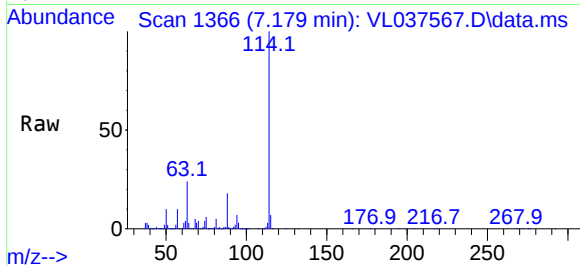
Tgt Ion: 114 Resp: 5177962

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.3	28.9
88	18.2	14.2	21.4

Instrument :
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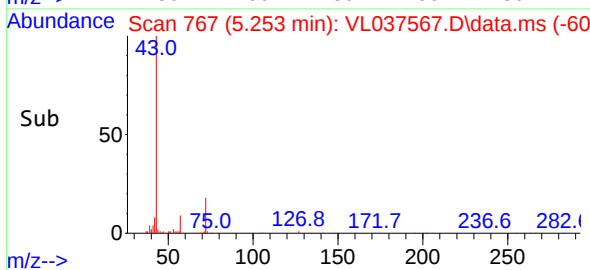
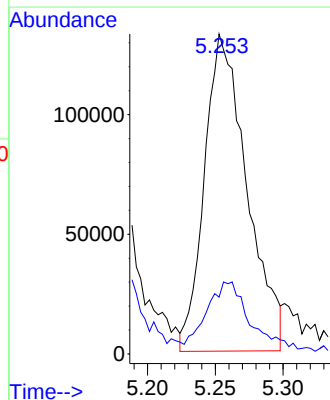
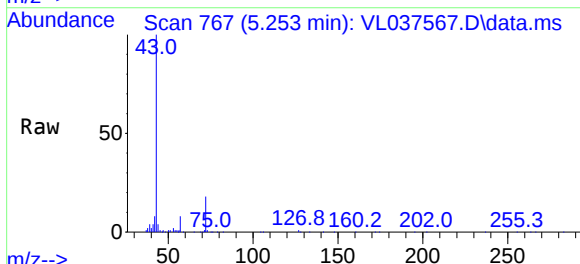
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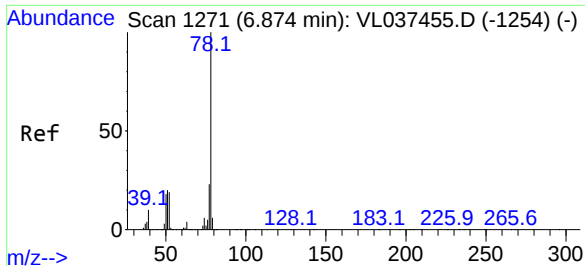


#34
2-Butanone
Concen: 1.364 ppbv
RT: 5.253 min Scan# 767
Delta R.T. 0.025 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

Tgt Ion: 43 Resp: 288429

Ion	Ratio	Lower	Upper
43	100		
72	25.4	17.4	26.0





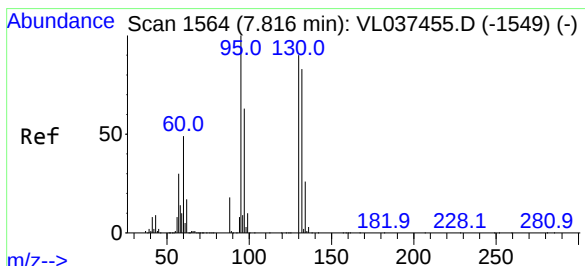
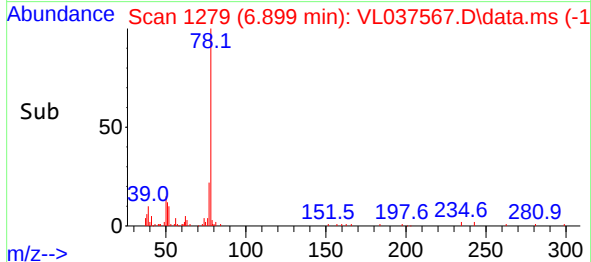
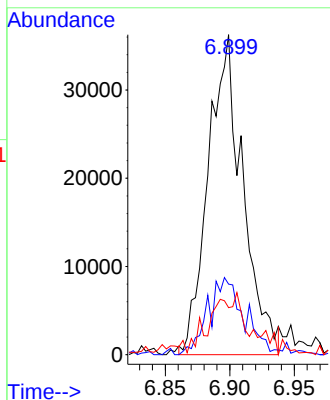
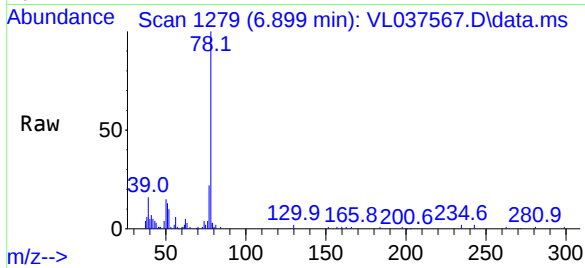
#36
Benzene
Concen: 0.155 ppbv m
RT: 6.899 min Scan# 1279
Delta R.T. 0.025 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

Tgt Ion: 78	Resp: 67630		
Ion Ratio	Lower	Upper	
78 100			
77 22.0	18.2	27.4	
50 14.7	14.6	21.8	

Instrument :
MSVOA_L
ClientSampled :
SV-1DL

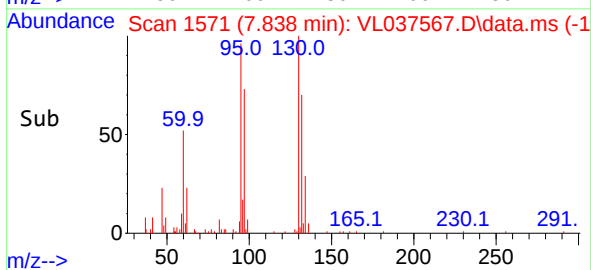
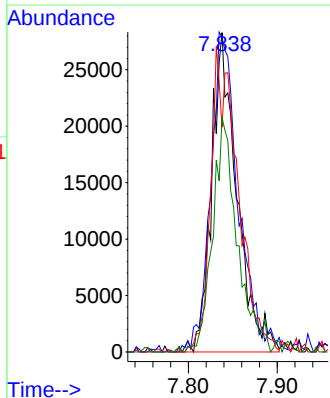
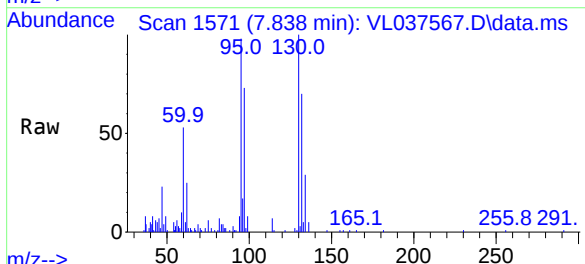
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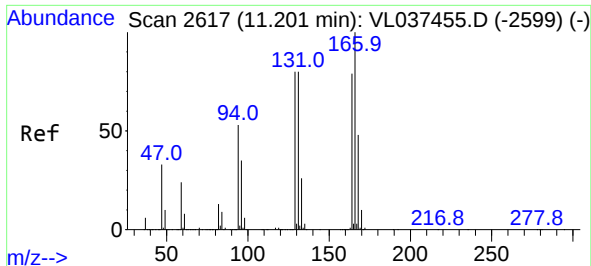
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#38
Trichloroethene
Concen: 0.313 ppbv m
RT: 7.838 min Scan# 1571
Delta R.T. 0.022 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

Tgt	Ion:130	Resp:	55899
Ion	Ratio	Lower	Upper
130	100		
95	98.4	89.2	133.8
132	70.4	74.0	111.0#
97	73.5	56.6	84.8





#52
Tetrachloroethene
Concen: 0.563 ppbv
RT: 11.227 min Scan# 2625
Delta R.T. 0.025 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

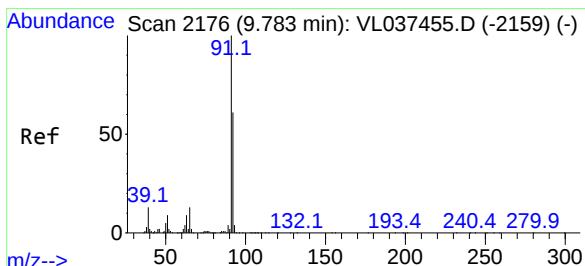
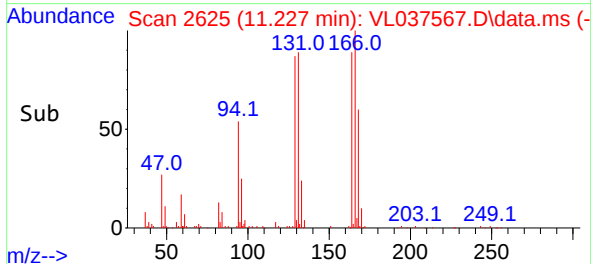
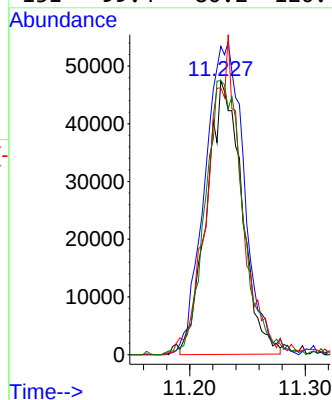
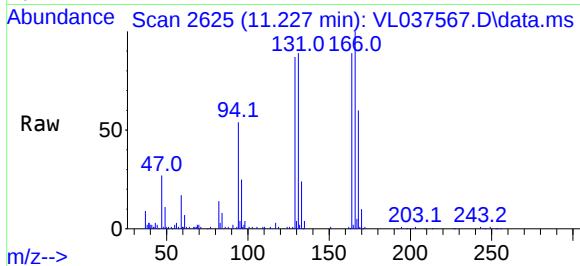
Tgt Ion:164 Resp: 100409

Ion	Ratio	Lower	Upper
164	100		
166	110.9	100.7	151.1
129	93.4	80.9	121.3
131	99.4	80.2	120.4

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

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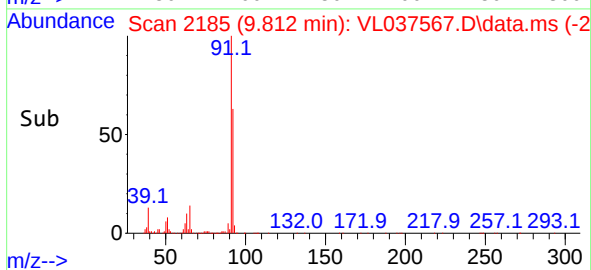
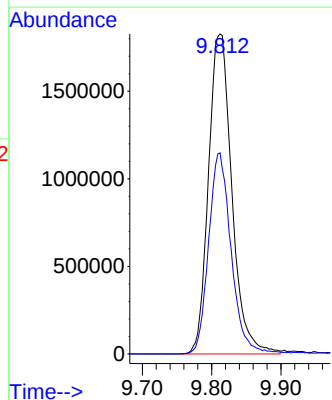
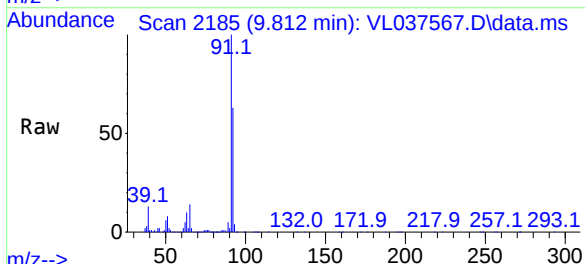
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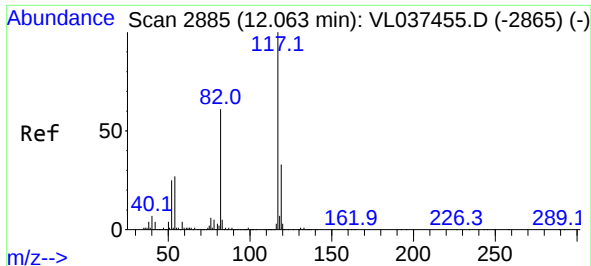


#53
Toluene
Concen: 8.627 ppbv
RT: 9.812 min Scan# 2185
Delta R.T. 0.029 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

Tgt Ion: 91 Resp: 4287741

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.8	73.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.095 min Scan# 2895
Delta R.T. 0.032 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

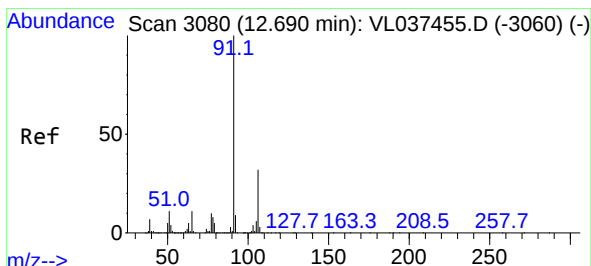
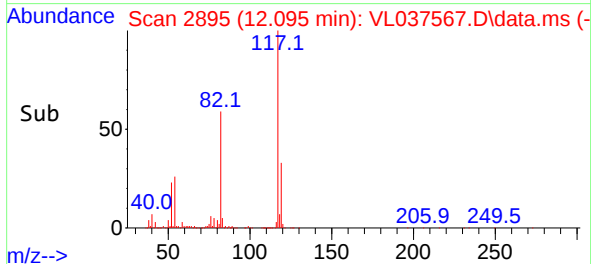
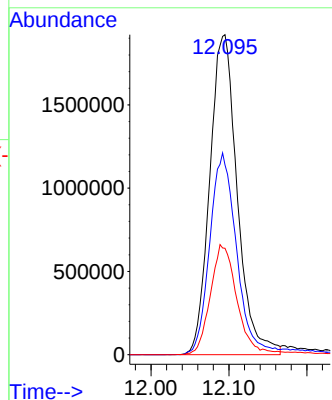
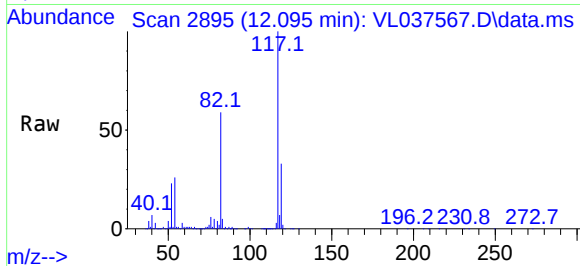
Tgt Ion: 117 Resp: 4710188

Ion	Ratio	Lower	Upper
117	100		
82	65.2	52.9	79.3
119	34.8	24.8	37.2

Instrument :
MSVOA_L
ClientSampled :
SV-1DL

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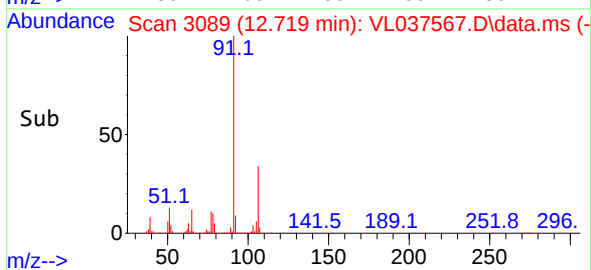
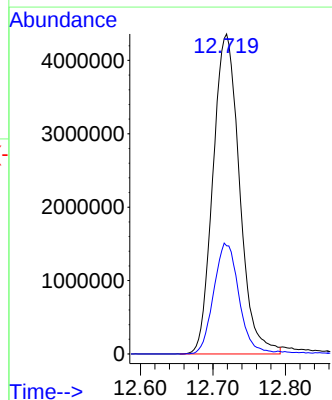
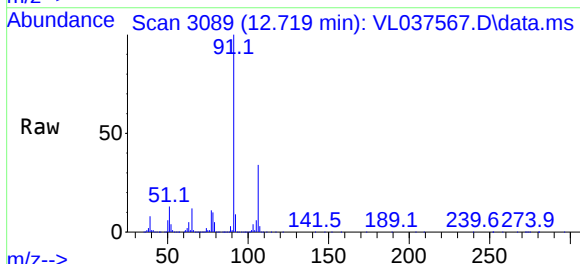
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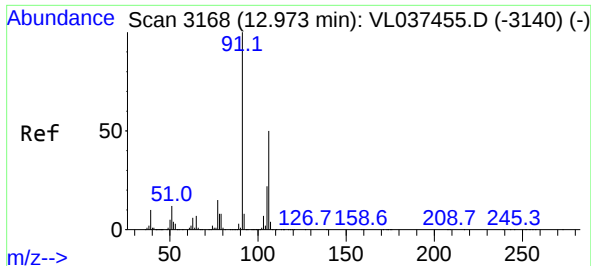


#58
Ethyl Benzene
Concen: 16.948 ppbv
RT: 12.719 min Scan# 3089
Delta R.T. 0.029 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

Tgt Ion: 91 Resp: 11078002

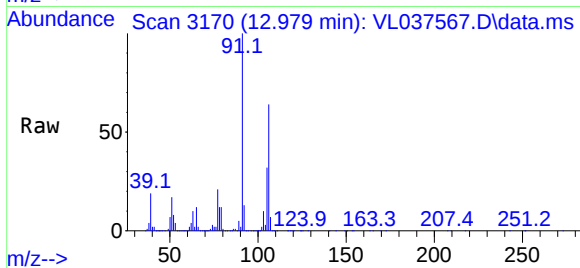
Ion	Ratio	Lower	Upper
91	100		
106	33.8	25.7	38.5





#59
m/p-Xylene
Concen: 41.887 ppbv
RT: 12.979 min Scan# 3170
Delta R.T. 0.006 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

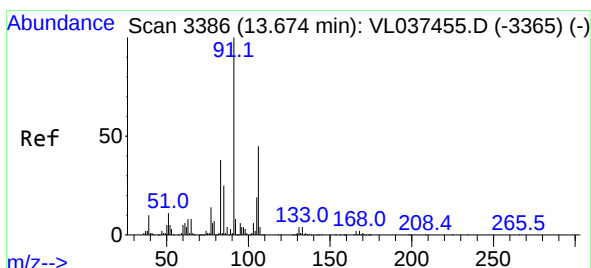
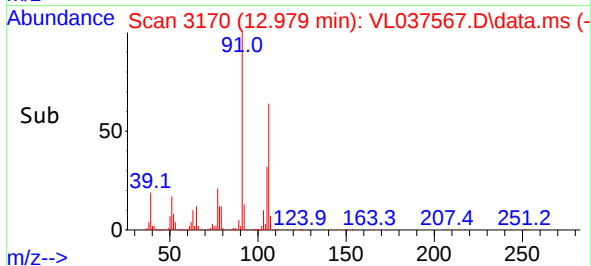
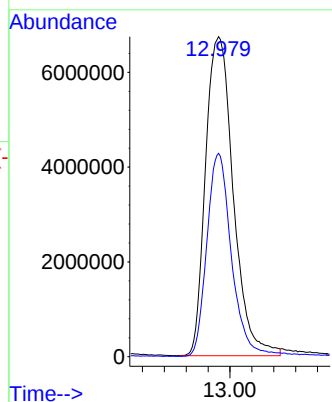
Instrument :
MSVOA_L
ClientSampled :
SV-1DL



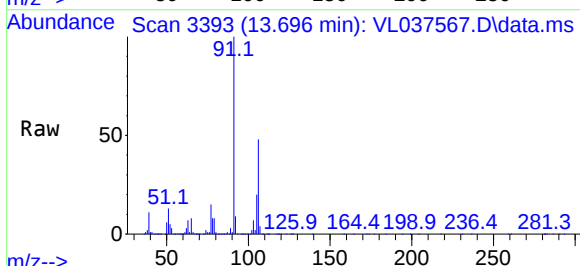
Tgt Ion: 91 Resp: 23735926
Ion Ratio Lower Upper
91 100
106 57.9 36.9 55.3#

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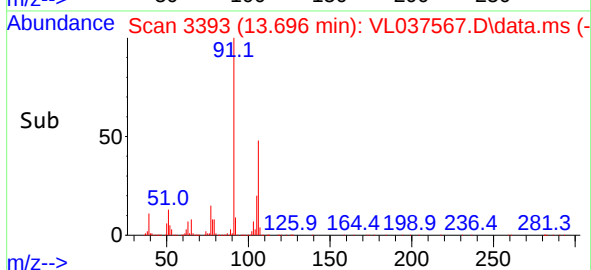
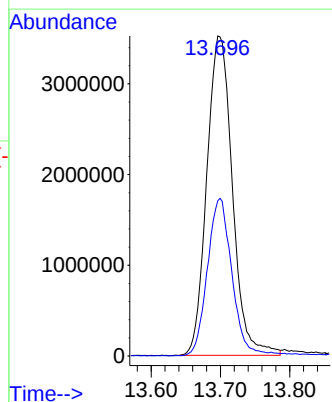
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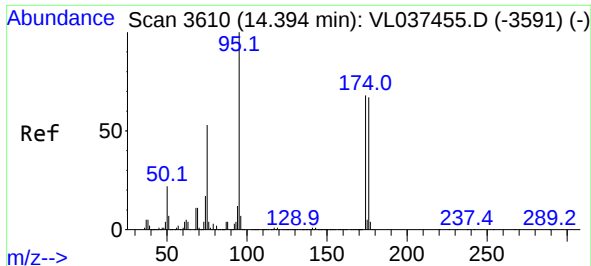


#60
o-Xylene
Concen: 17.118 ppbv
RT: 13.696 min Scan# 3393
Delta R.T. 0.022 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47



Tgt Ion: 91 Resp: 9053767
Ion Ratio Lower Upper
91 100
106 48.4 23.7 71.1





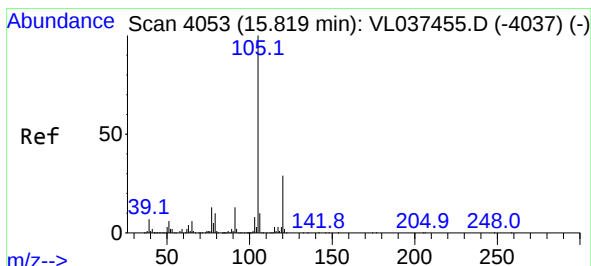
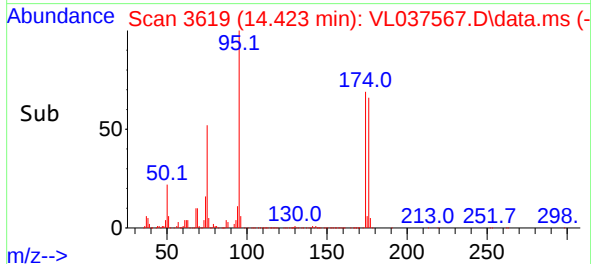
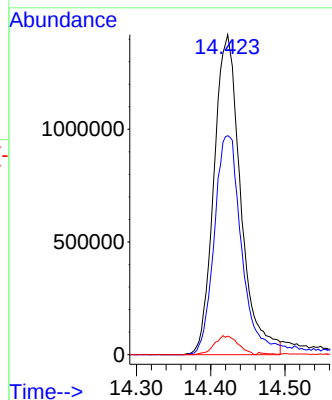
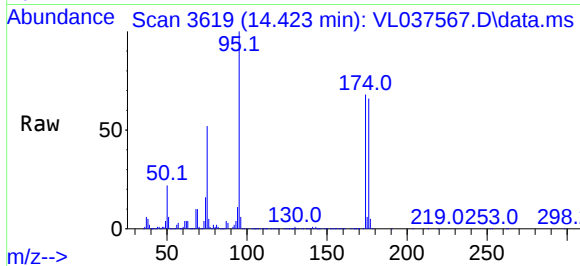
#68
1-Bromo-4-Fluorobenzene
Concen: 10.635 ppbv
RT: 14.423 min Scan# 3619
Delta R.T. 0.029 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tgt Ion: 95 Resp: 3558975
Ion Ratio Lower Upper
95 100
174 73.9 59.6 89.4
175 5.5 4.6 7.0

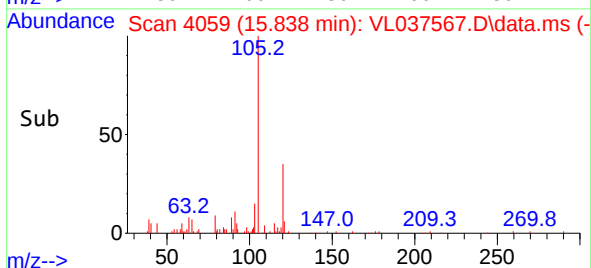
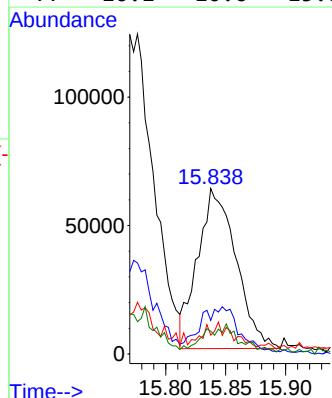
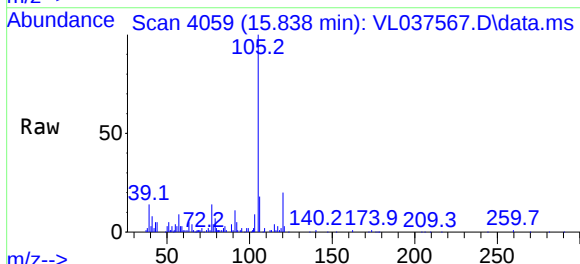
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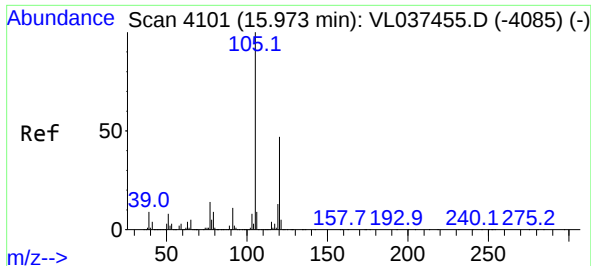
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#72
4-Ethyltoluene
Concen: 0.221 ppbv
RT: 15.838 min Scan# 4059
Delta R.T. 0.019 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

Tgt Ion: 105 Resp: 138883
Ion Ratio Lower Upper
105 100
120 32.3 24.7 37.1
91 20.0 9.8 14.8#
77 16.1 10.6 15.8#





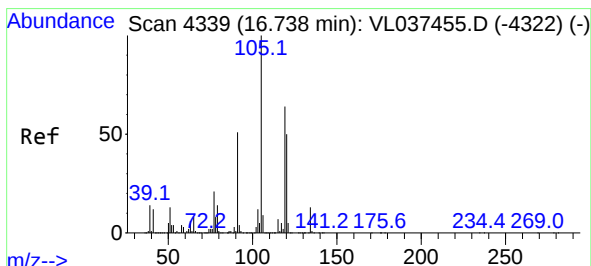
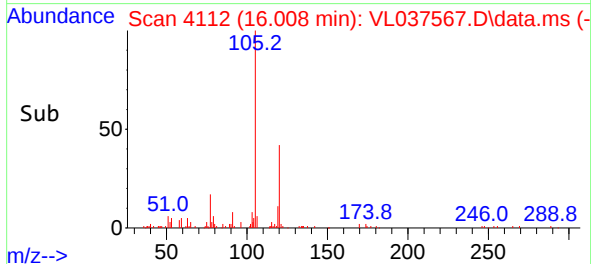
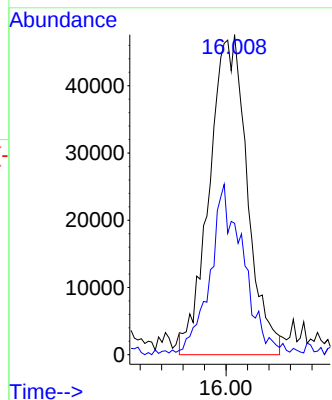
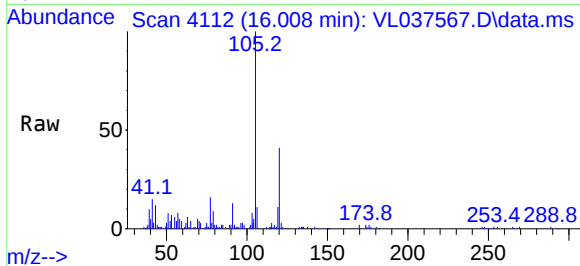
#73
1,3,5-Trimethylbenzene
Concen: 0.199 ppbv m
RT: 16.008 min Scan# 4112
Delta R.T. 0.035 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

Tgt Ion:105 Resp: 116478
Ion Ratio Lower Upper
105 100
120 41.1 37.6 56.4

Instrument :
MSVOA_L
ClientSampled :
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#74
1,2,4-Trimethylbenzene
Concen: 0.625 ppbv m
RT: 16.760 min Scan# 4346
Delta R.T. 0.022 min
Lab File: VL037567.D
Acq: 8 Sep 2021 11:47

Tgt Ion:105 Resp: 388824
Ion Ratio Lower Upper
105 100
120 40.9 40.4 60.6
91 9.3 44.6 67.0#
77 10.7 17.8 26.6#

