

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
 Data File : VL037570.D
 Acq On : 8 Sep 2021 13:41
 Operator : SY/AP
 Sample : M3663-07 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL

Manual Integrations
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 9/10/2021 10:52:25 AM

Quant Time: Sep 09 09:11:57 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	5.674	49	1706485	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.182	114	5018577	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.098	117	4533260	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.423	95	3347038	10.392	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.900%	
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.970	51	176922	0.541	ppbv #	62
9) Propene	3.028	41	56128m	0.480	ppbv	
10) Heptane	8.137	43	65589m	0.244	ppbv	
13) Ethanol	3.620	45	109748m	9.646	ppbv	
15) Acetone	3.858	43	1225728	7.058	ppbv	92
19) Isopropyl Alcohol	3.977	45	242694m	2.439	ppbv	
20) Methylene Chloride	4.353	84	103137	1.186	ppbv #	86
26) Hexane	5.693	57	301854m	1.400	ppbv	
29) Chloroform	5.758	83	677491	2.218	ppbv	92
31) cis-1,2-Dichloroethene	5.555	61	959530	4.918	ppbv	98
34) 2-Butanone	5.259	43	204680	0.999	ppbv #	82
36) Benzene	6.902	78	44222m	0.105	ppbv	
38) Trichloroethene	7.845	130	833107	4.813	ppbv	98
52) Tetrachloroethene	11.240	164	8249898	47.720	ppbv	97
53) Toluene	9.819	91	374930	0.778	ppbv	99
58) Ethyl Benzene	12.719	91	119560	0.190	ppbv #	86
59) m/p-Xylene	12.976	91	450857m	0.827	ppbv	
60) o-Xylene	13.703	91	149458m	0.294	ppbv	
72) 4-Ethyltoluene	15.851	105	111550m	0.184	ppbv	
73) 1,3,5-Trimethylbenzene	16.011	105	62089m	0.110	ppbv	
74) 1,2,4-Trimethylbenzene	16.767	105	292660	0.489	ppbv #	62

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

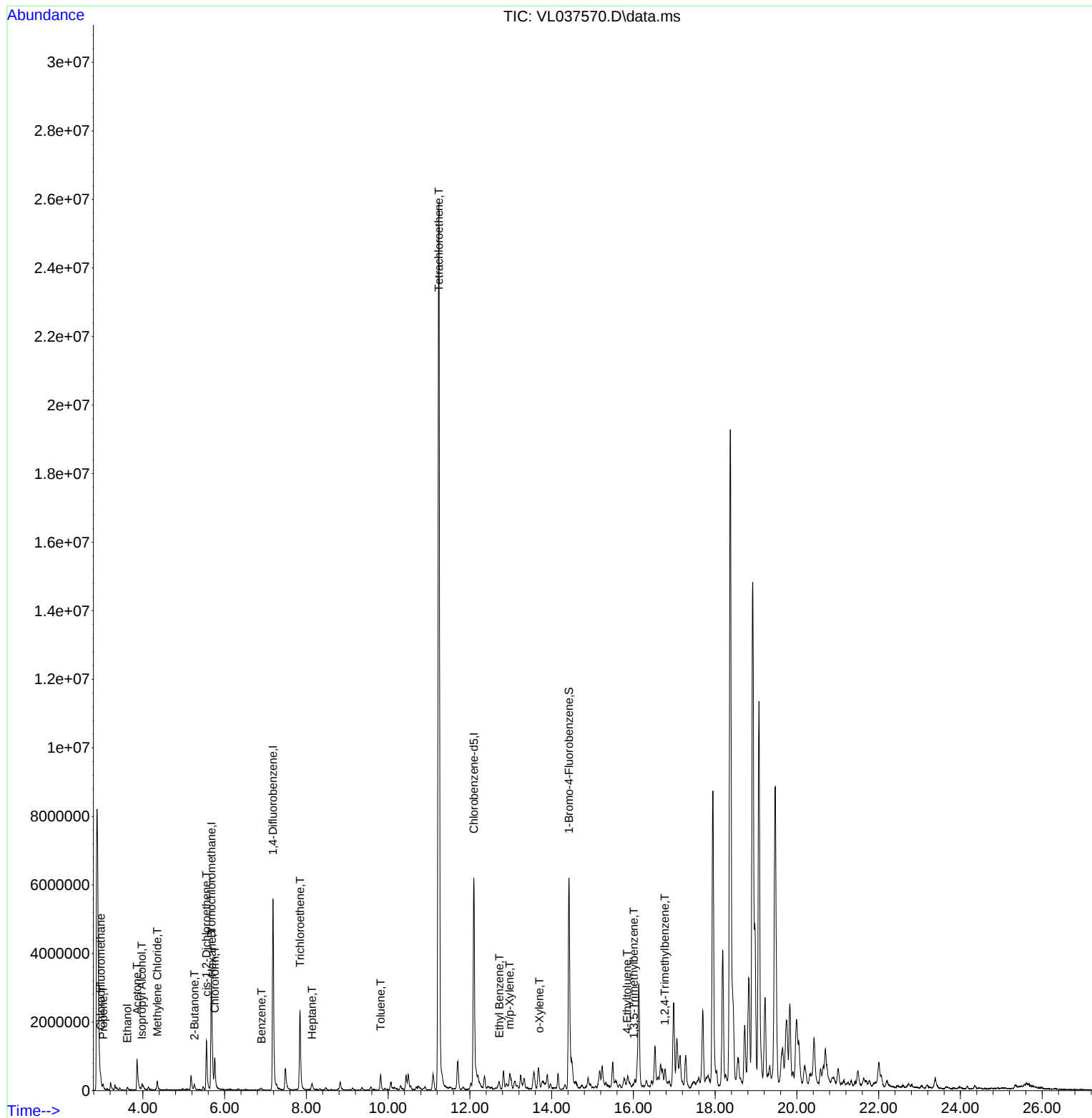
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
Data File : VL037570.D
Acq On : 8 Sep 2021 13:41
Operator : SY/AP
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

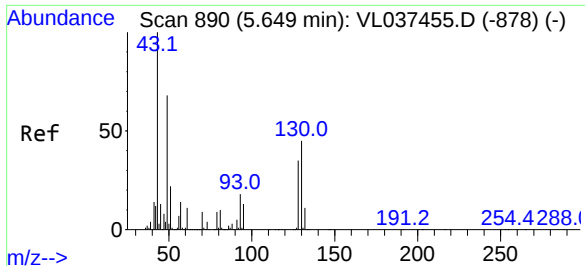
Instrument :
MSVOA_L
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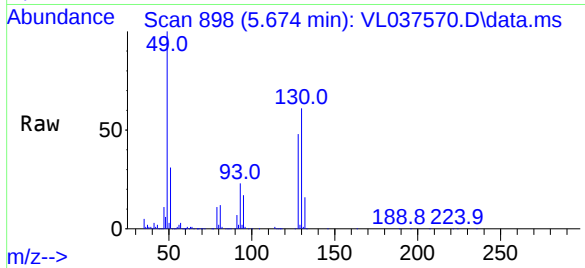
Quant Time: Sep 09 09:11:57 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 898
Delta R.T. 0.026 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

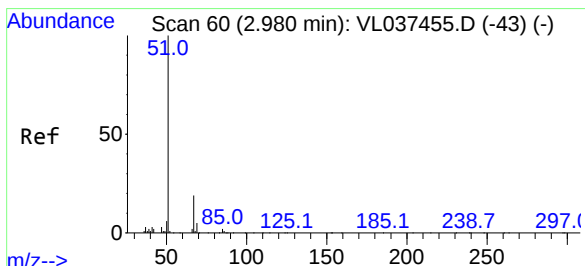
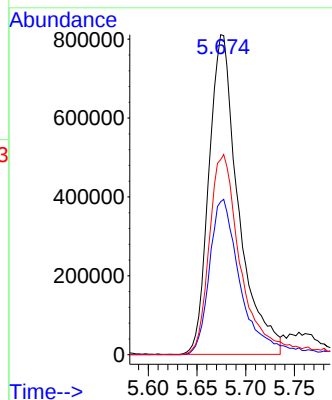
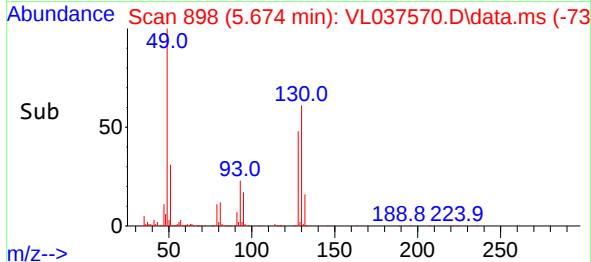


Tgt Ion: 49 Resp: 1706485

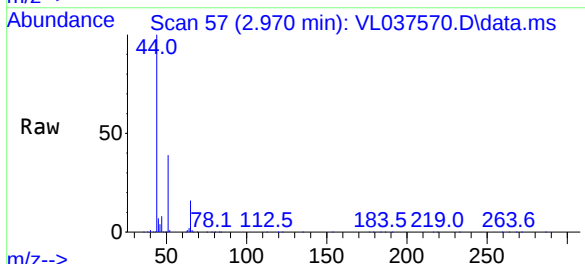
Ion	Ratio	Lower	Upper
49	100		
128	53.2	27.5	82.4
130	68.1	34.0	101.8

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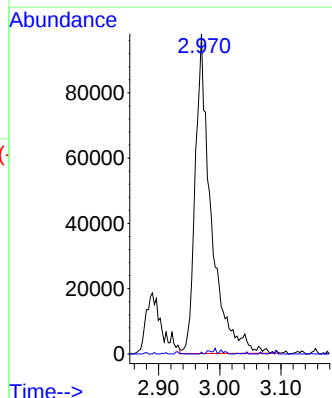
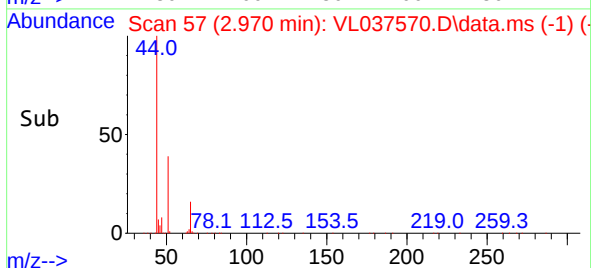


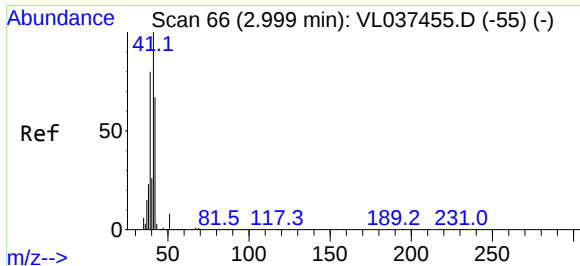
#3
Chlorodifluoromethane
Concen: 0.541 ppbv
RT: 2.970 min Scan# 57
Delta R.T. -0.010 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41



Tgt Ion: 51 Resp: 176922

Ion	Ratio	Lower	Upper
51	100		
67	1.1	14.2	21.2#





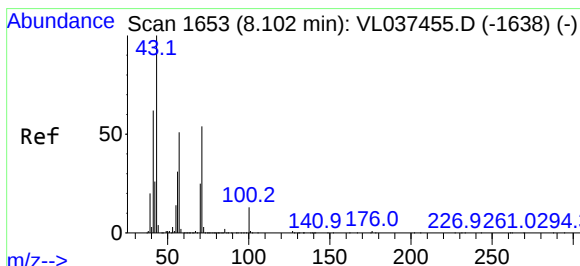
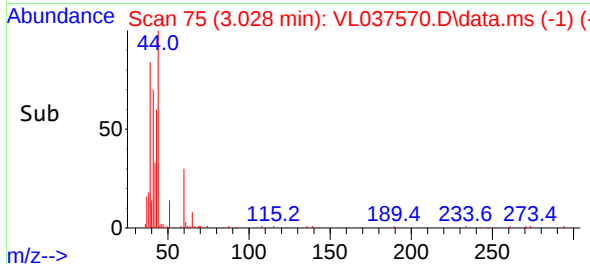
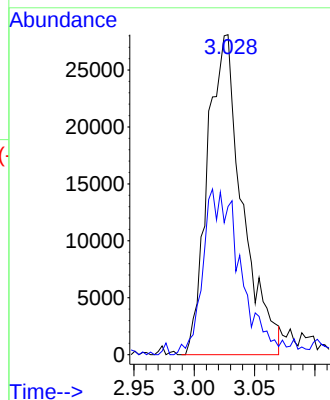
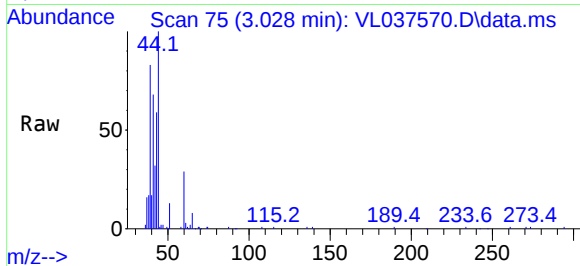
#9
Propene
Concen: 0.480 ppbv m
RT: 3.028 min Scan# 75
Delta R.T. 0.029 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Tgt Ion: 41 Resp: 56128
Ion Ratio Lower Upper
41 100
42 7.5 53.7 80.5#

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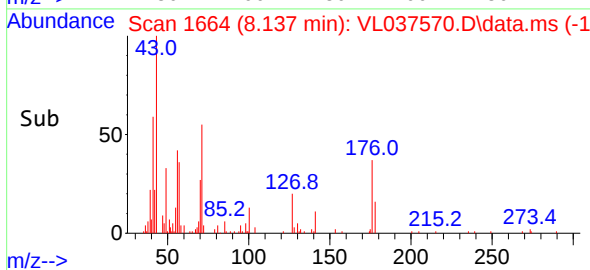
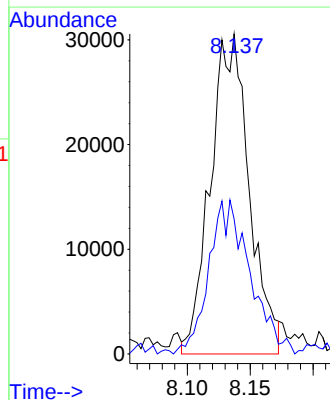
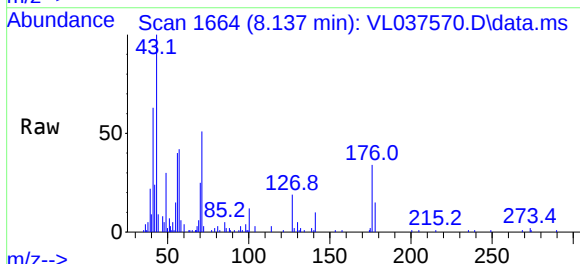
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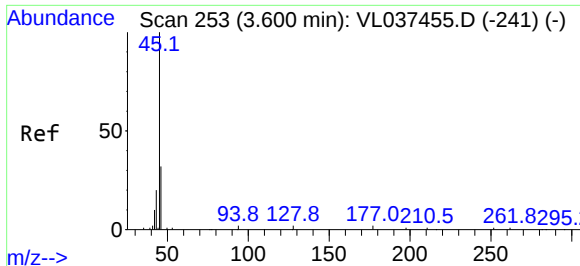
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#10
Heptane
Concen: 0.244 ppbv m
RT: 8.137 min Scan# 1664
Delta R.T. 0.035 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Tgt Ion: 43 Resp: 65589
Ion Ratio Lower Upper
43 100
57 50.9 41.0 61.6





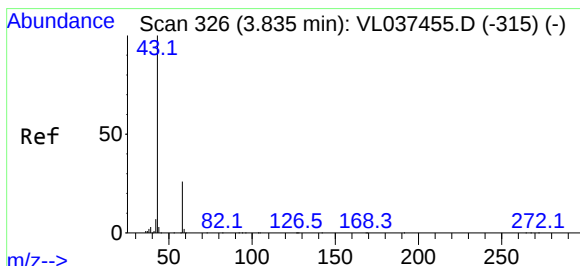
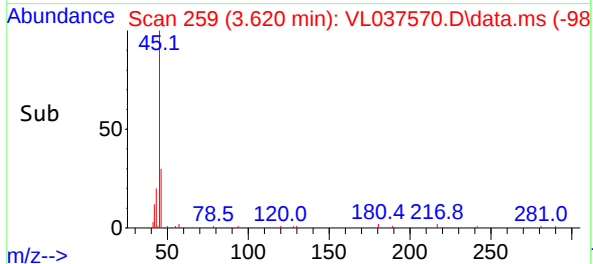
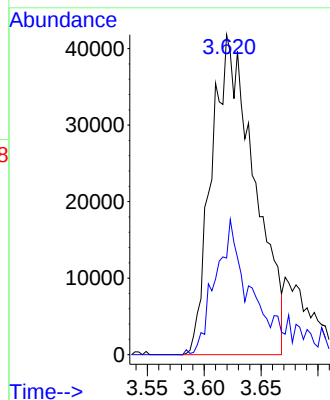
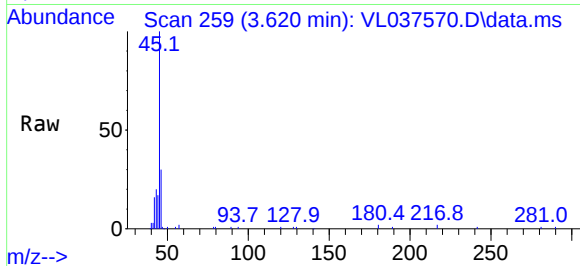
#13
Ethanol
Concen: 9.646 ppbv m
RT: 3.620 min Scan# 259
Delta R.T. 0.019 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Tgt Ion: 45 Resp: 109748
Ion Ratio Lower Upper
45 100
46 44.8 14.1 56.5

Instrument :
MSVOA_L
ClientSampleId :
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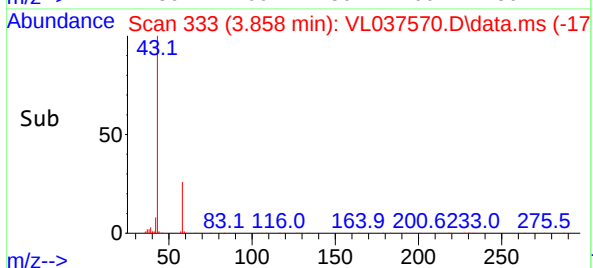
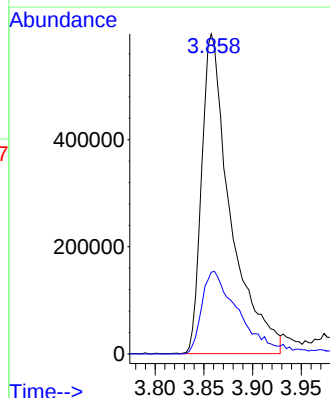
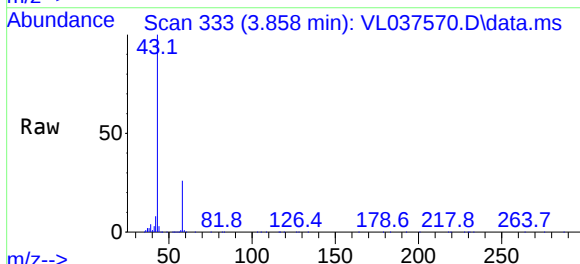
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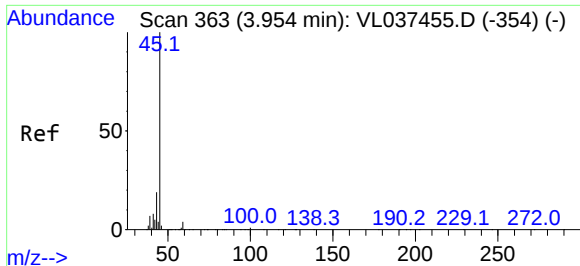
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#15
Acetone
Concen: 7.058 ppbv
RT: 3.858 min Scan# 333
Delta R.T. 0.022 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Tgt Ion: 43 Resp: 1225728
Ion Ratio Lower Upper
43 100
58 35.6 24.8 37.2





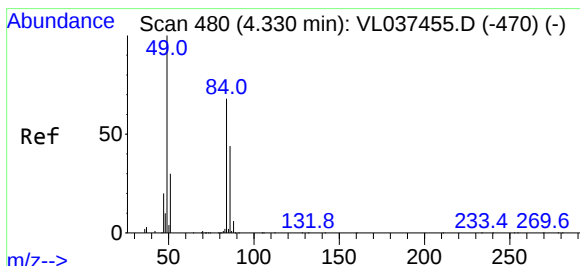
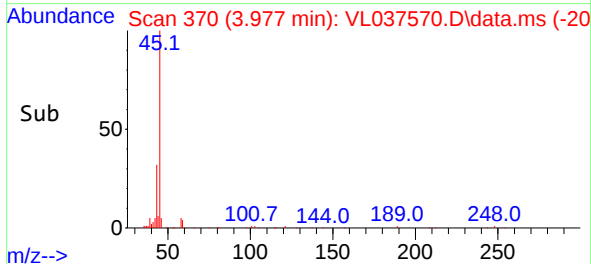
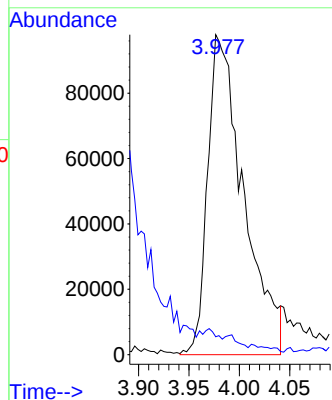
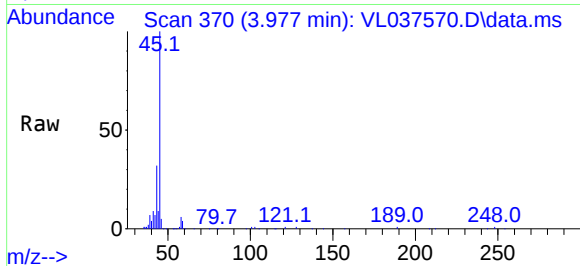
#19
Isopropyl Alcohol
Concen: 2.439 ppbv m
RT: 3.977 min Scan# 370
Delta R.T. 0.022 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Instrument :
MSVOA_L
ClientSampled :
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Tgt Ion: 45 Resp: 242694
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#

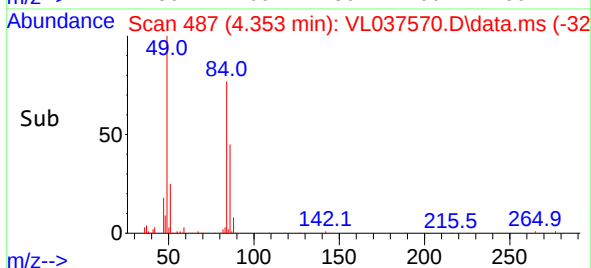
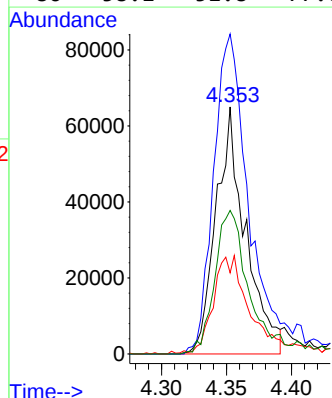
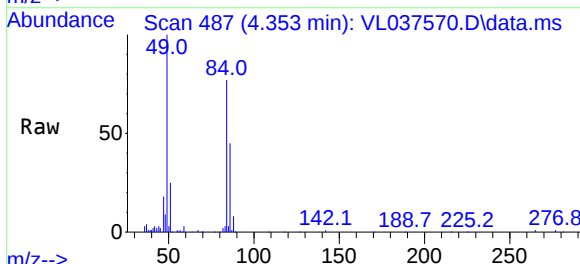
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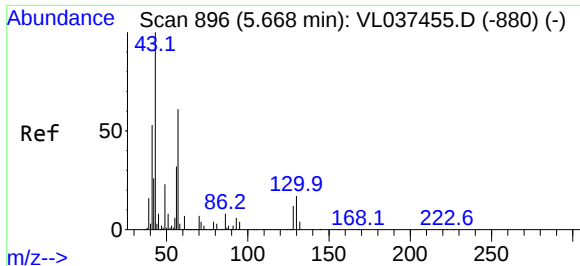
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#20
Methylene Chloride
Concen: 1.186 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.022 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Tgt Ion: 84 Resp: 103137
Ion Ratio Lower Upper
84 100
49 129.5 118.2 177.2
51 32.9 36.6 55.0#
86 58.1 51.8 77.6





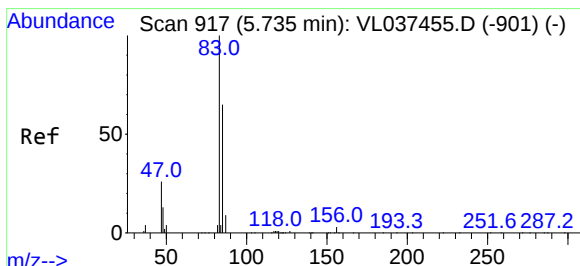
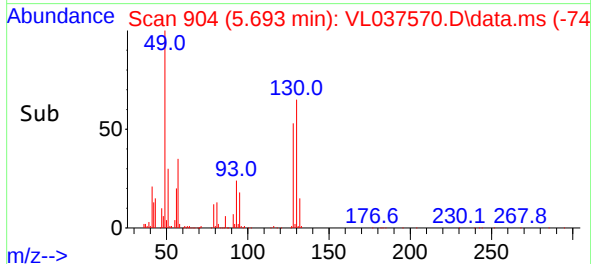
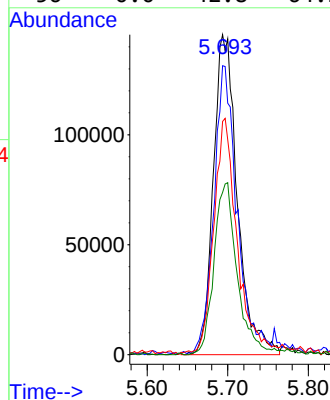
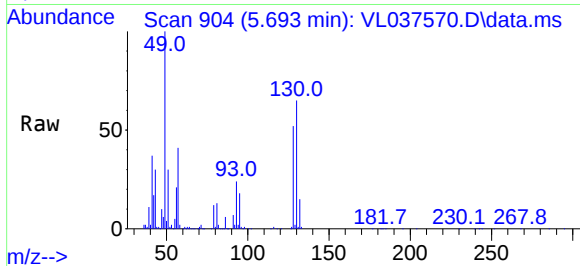
#26
Hexane
Concen: 1.400 ppbv m
RT: 5.693 min Scan# 904
Delta R.T. 0.026 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Tgt Ion: 57 Resp: 301854
Ion Ratio Lower Upper
57 100
41 89.9 72.3 108.5
43 0.0 172.3 258.5#
56 0.0 42.8 64.2#

Instrument :
MSVOA_L
ClientSampleId :
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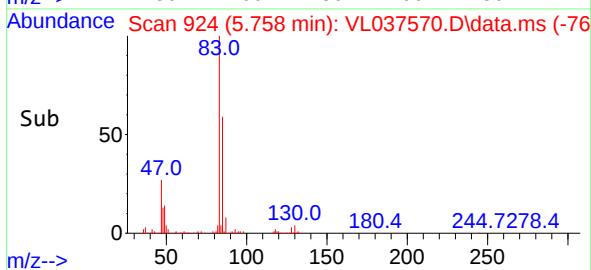
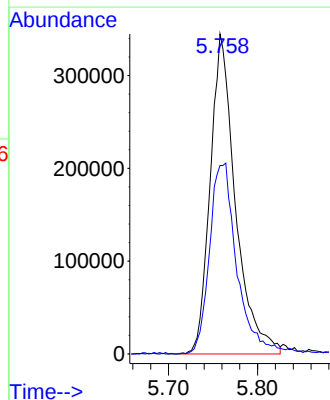
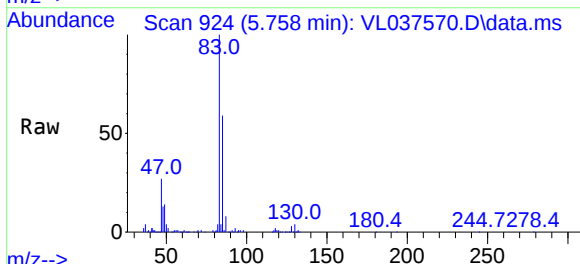
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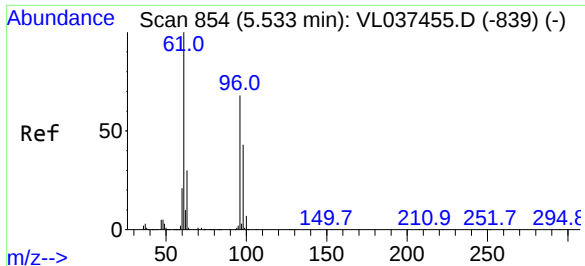
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#29
Chloroform
Concen: 2.218 ppbv
RT: 5.758 min Scan# 924
Delta R.T. 0.022 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

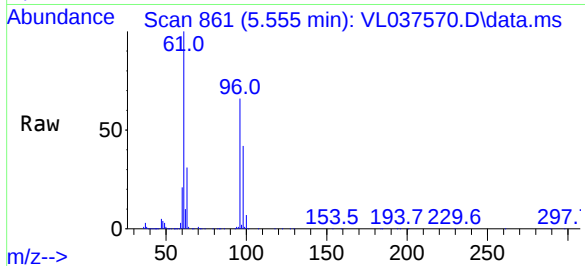
Tgt Ion: 83 Resp: 677491
Ion Ratio Lower Upper
83 100
85 58.7 52.3 78.5





#31
cis-1,2-Dichloroethene
Concen: 4.918 ppbv
RT: 5.555 min Scan# 861
Delta R.T. 0.022 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

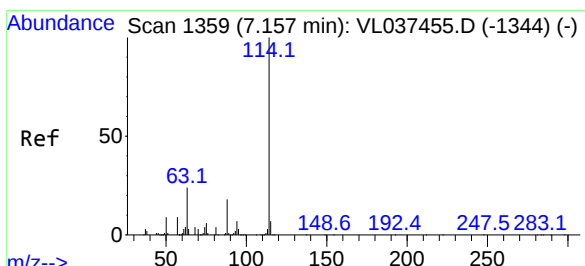
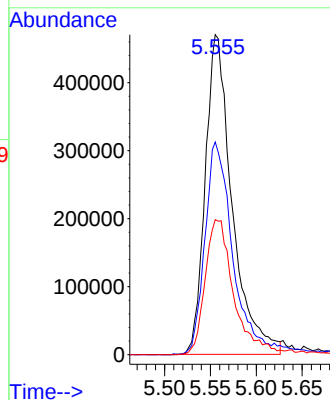
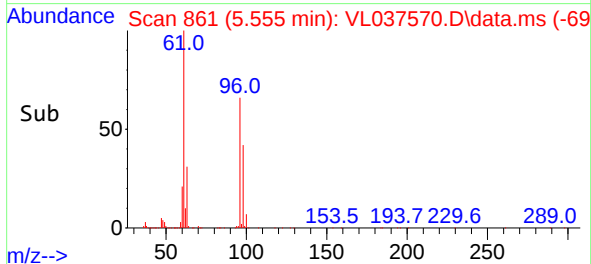
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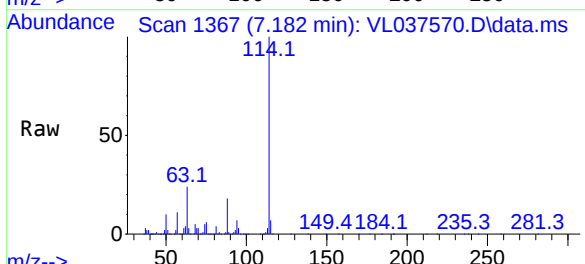
Tgt Ion: 61 Resp: 959530
Ion Ratio Lower Upper
61 100
96 66.3 54.8 82.2
98 42.2 34.2 51.2

Manual Integrations
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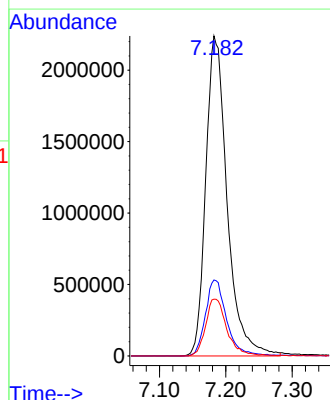
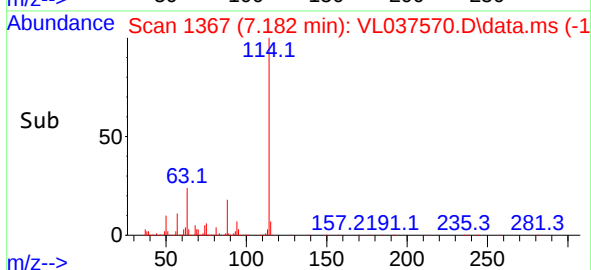
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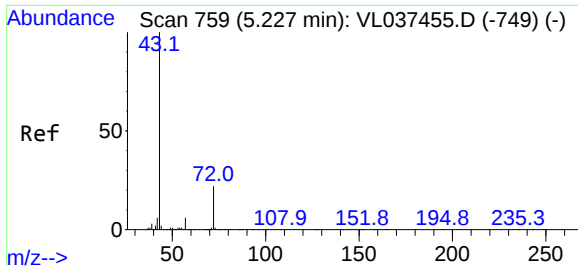


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 1367
Delta R.T. 0.026 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41



Tgt Ion: 114 Resp: 5018577
Ion Ratio Lower Upper
114 100
63 23.8 19.3 28.9
88 17.9 14.2 21.4





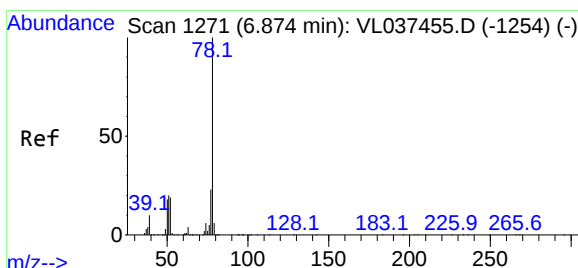
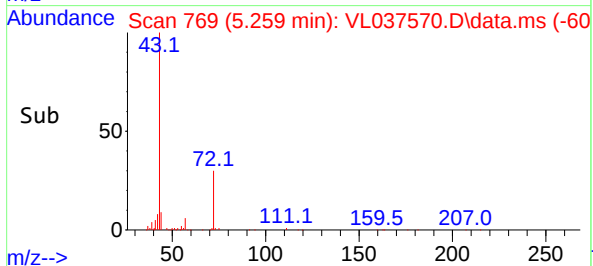
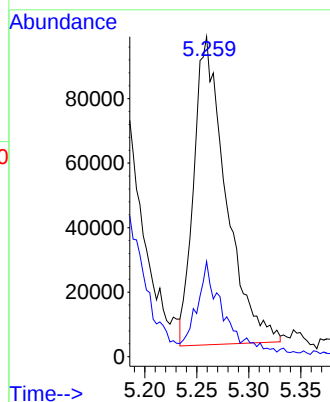
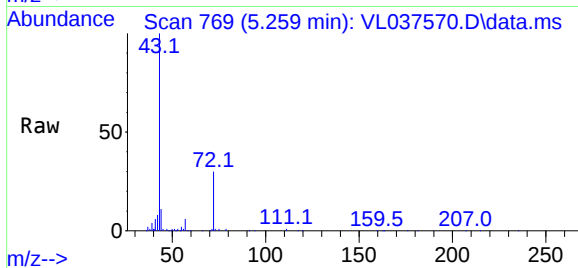
#34
2-Butanone
Concen: 0.999 ppbv
RT: 5.259 min Scan# 769
Delta R.T. 0.032 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Instrument :
MSVOA_L
ClientSampled :
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Tgt Ion: 43 Resp: 204680
Ion Ratio Lower Upper
43 100
72 30.2 17.4 26.0#

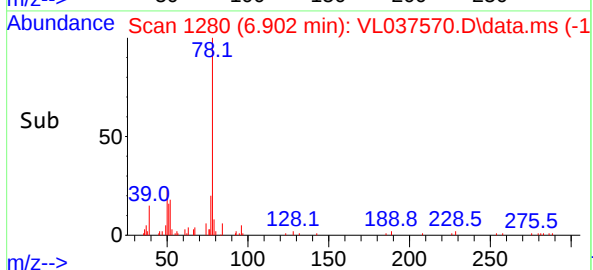
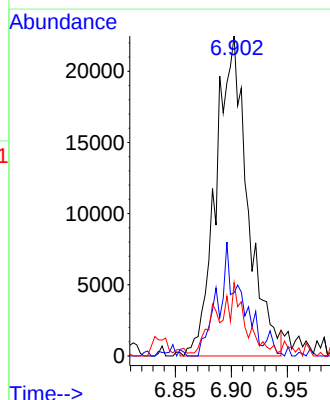
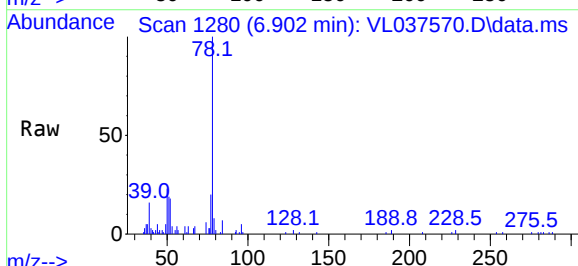
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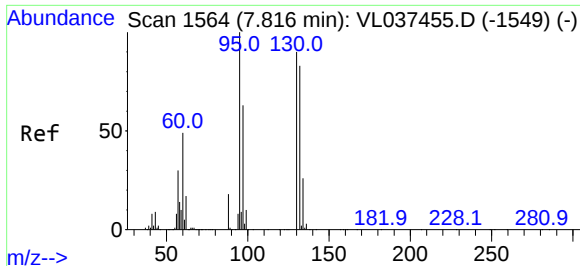
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#36
Benzene
Concen: 0.105 ppbv m
RT: 6.902 min Scan# 1280
Delta R.T. 0.029 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

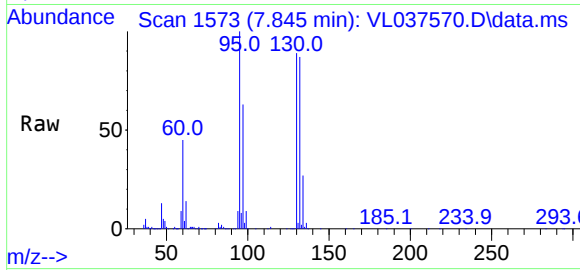
Tgt Ion: 78 Resp: 44222
Ion Ratio Lower Upper
78 100
77 19.7 18.2 27.4
50 22.9 14.6 21.8#





#38
 Trichloroethene
 Concen: 4.813 ppbv
 RT: 7.845 min Scan# 1573
 Delta R.T. 0.029 min
 Lab File: VL037570.D
 Acq: 8 Sep 2021 13:41

Instrument :
 MSVOA_L
 ClientSampled :
 SV-4DL

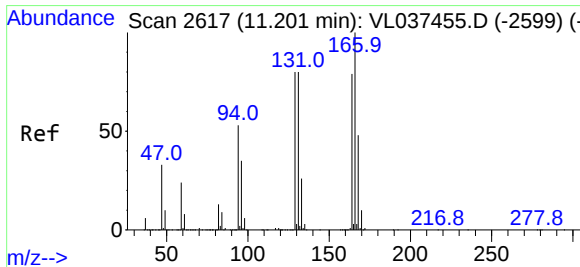
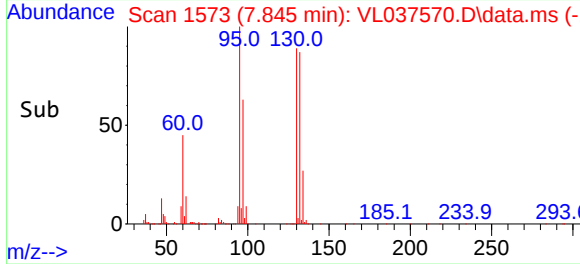
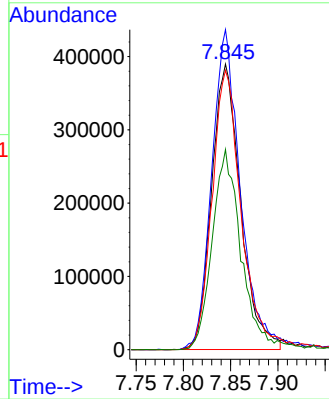


Tgt Ion:130 Resp: 833107

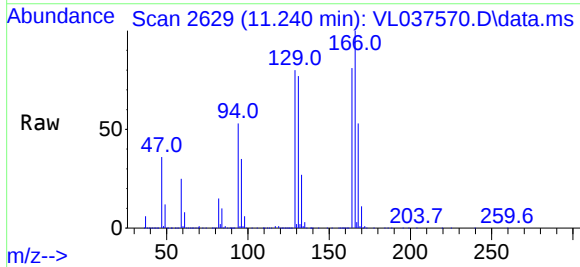
Ion	Ratio	Lower	Upper
130	100		
95	112.0	89.2	133.8
132	97.8	74.0	111.0
97	70.1	56.6	84.8

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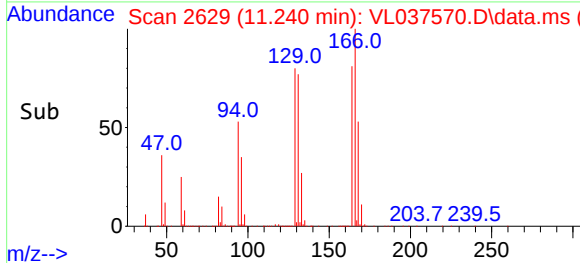
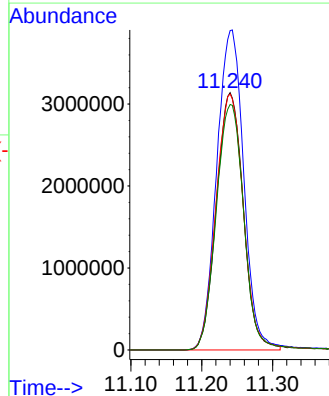


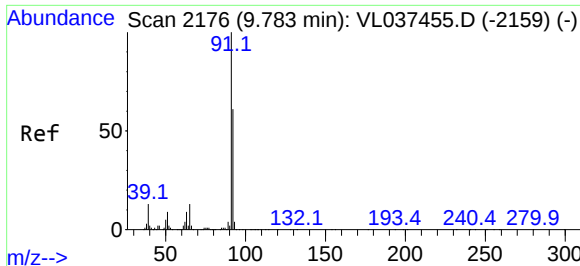
#52
 Tetrachloroethene
 Concen: 47.720 ppbv
 RT: 11.240 min Scan# 2629
 Delta R.T. 0.039 min
 Lab File: VL037570.D
 Acq: 8 Sep 2021 13:41



Tgt Ion:164 Resp: 8249898

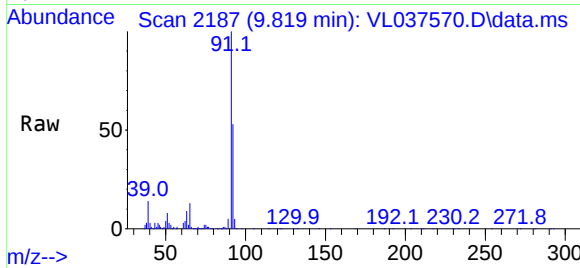
Ion	Ratio	Lower	Upper
164	100		
166	124.1	100.7	151.1
129	99.5	80.9	121.3
131	95.4	80.2	120.4





#53
Toluene
Concen: 0.778 ppbv
RT: 9.819 min Scan# 2187
Delta R.T. 0.035 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

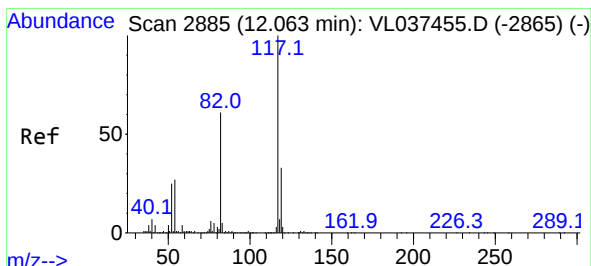
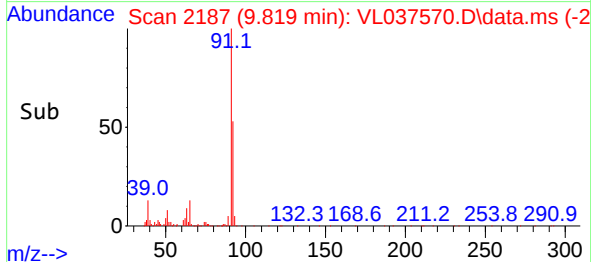
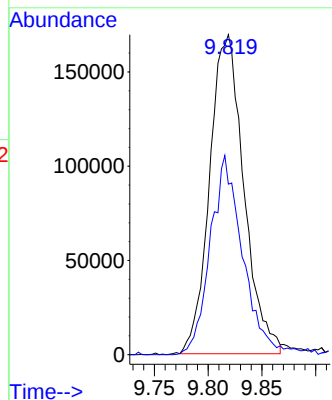
Instrument :
MSVOA_L
ClientSampled :
SV-4DL



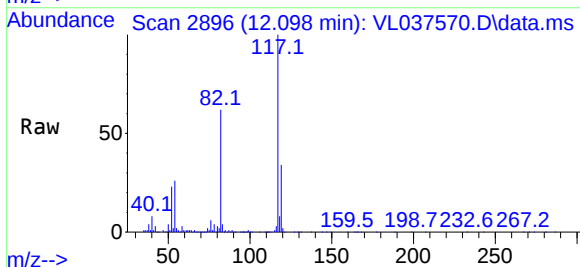
Tgt Ion: 91 Resp: 374930
Ion Ratio Lower Upper
91 100
92 60.0 48.8 73.2

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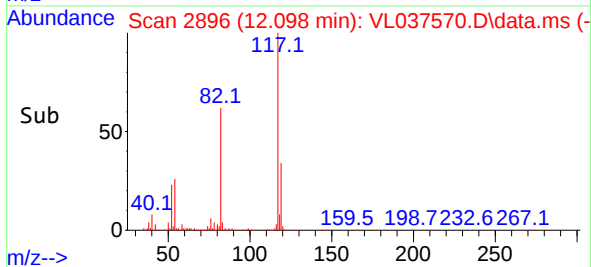
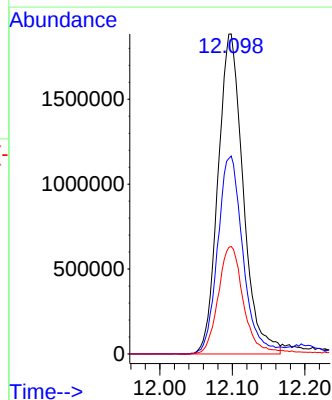
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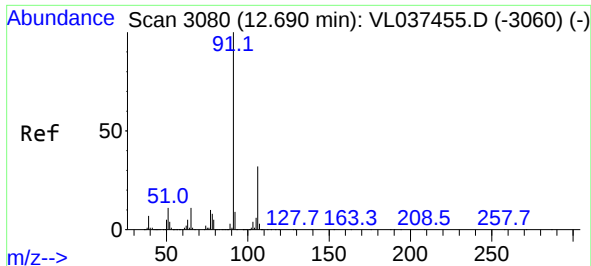


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.098 min Scan# 2896
Delta R.T. 0.035 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41



Tgt Ion: 117 Resp: 4533260
Ion Ratio Lower Upper
117 100
82 62.5 52.9 79.3
119 35.0 24.8 37.2





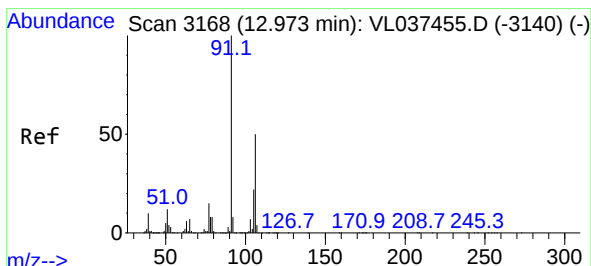
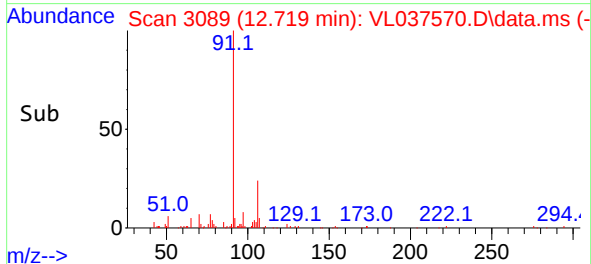
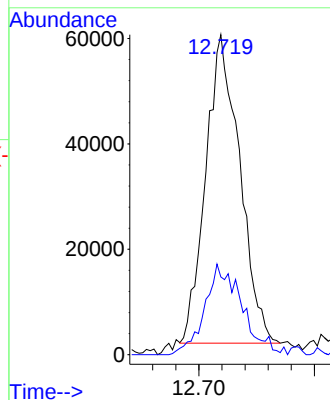
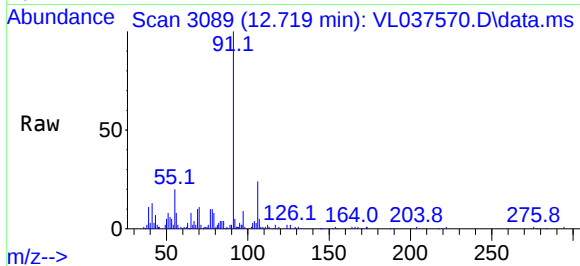
#58
Ethyl Benzene
Concen: 0.190 ppbv
RT: 12.719 min Scan# 3089
Delta R.T. 0.029 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Tgt Ion: 91 Resp: 119560
Ion Ratio Lower Upper
91 100
106 24.5 25.7 38.5#

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

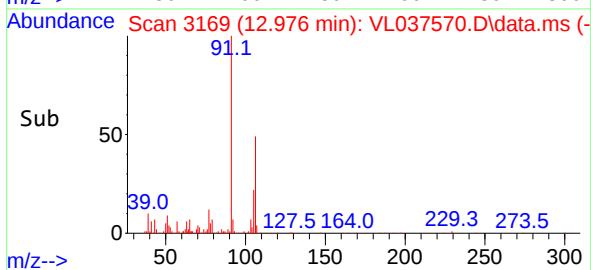
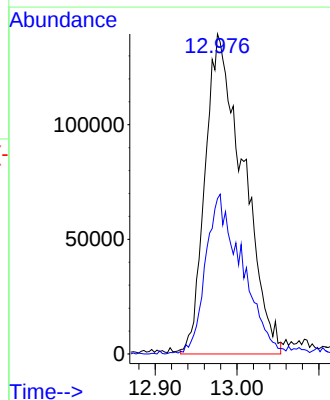
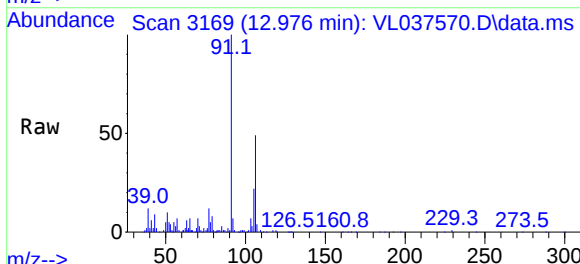
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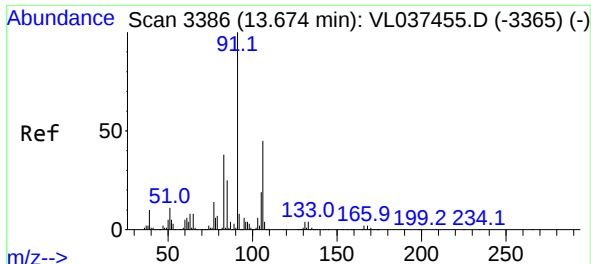
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#59
m/p-Xylene
Concen: 0.827 ppbv m
RT: 12.976 min Scan# 3169
Delta R.T. 0.003 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Tgt Ion: 91 Resp: 450857
Ion Ratio Lower Upper
91 100
106 0.0 36.9 55.3#





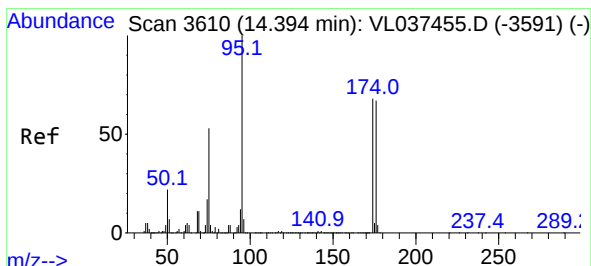
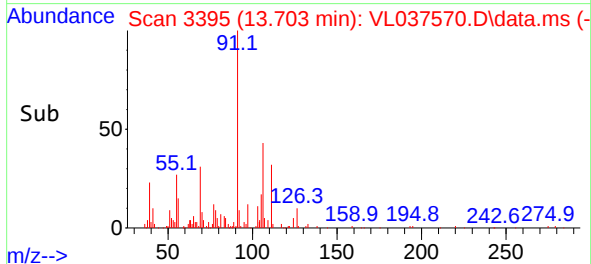
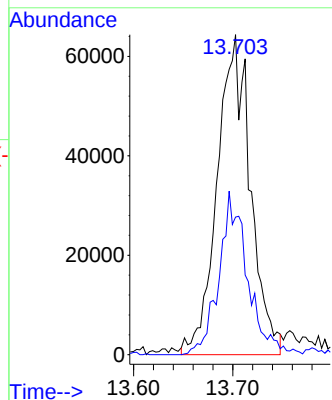
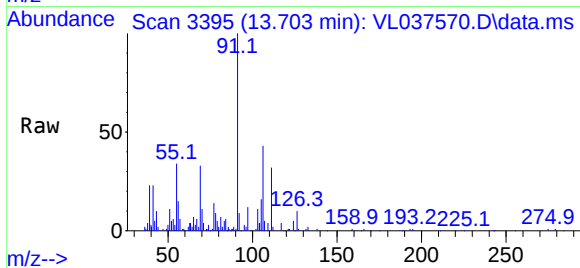
#60
o-Xylene
Concen: 0.294 ppbv m
RT: 13.703 min Scan# 3395
Delta R.T. 0.029 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Instrument :
MSVOA_L
ClientSampled :
SV-4DL

Tgt Ion: 91 Resp: 149458
Ion Ratio Lower Upper
91 100
106 0.0 23.7 71.1#

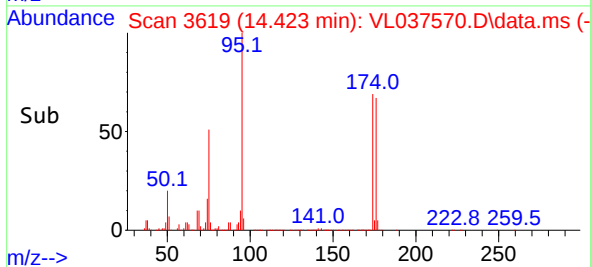
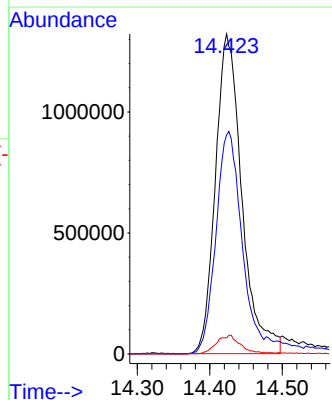
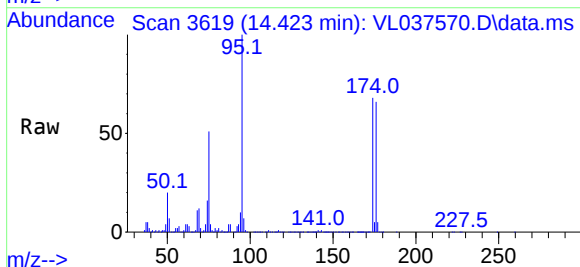
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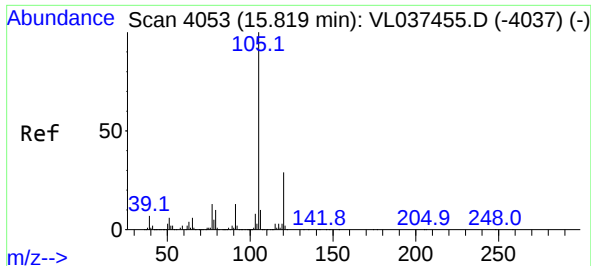
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.392 ppbv
RT: 14.423 min Scan# 3619
Delta R.T. 0.029 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Tgt Ion: 95 Resp: 3347038
Ion Ratio Lower Upper
95 100
174 75.1 59.6 89.4
175 5.7 4.6 7.0





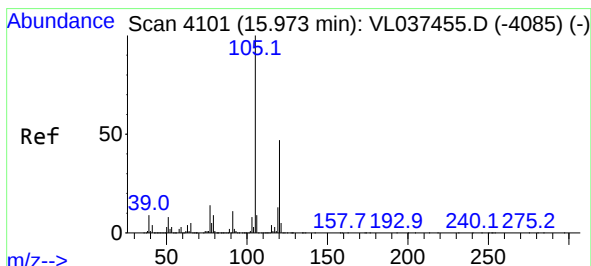
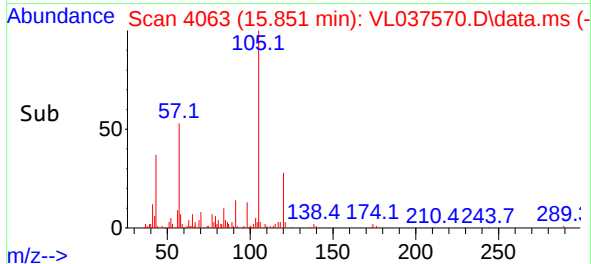
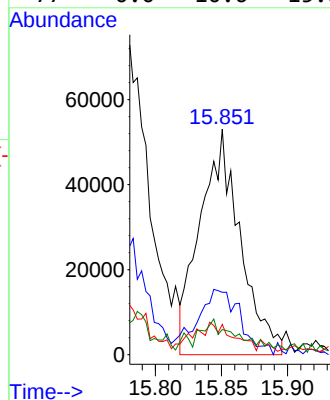
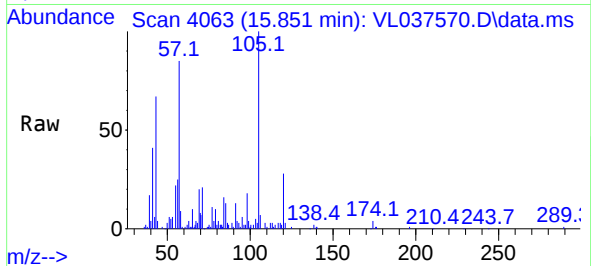
#72
4-Ethyltoluene
Concen: 0.184 ppbv m
RT: 15.851 min Scan# 4063
Delta R.T. 0.032 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Tgt Ion:105 Resp: 111550
Ion Ratio Lower Upper
105 100
120 0.0 24.7 37.1#
91 0.0 9.8 14.8#
77 0.0 10.6 15.8#

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

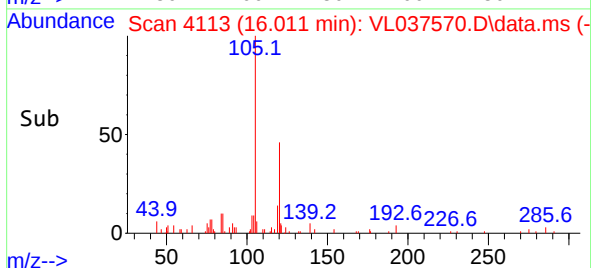
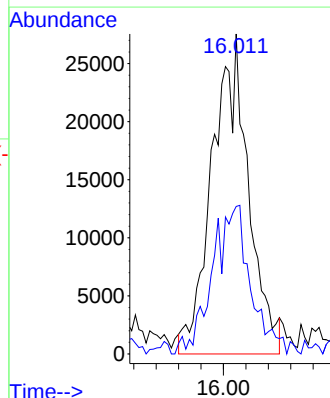
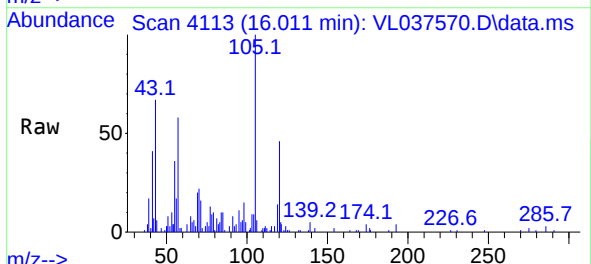
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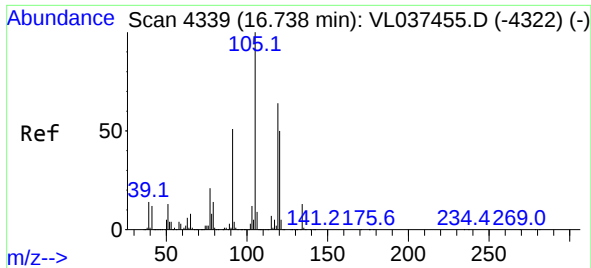
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#73
1,3,5-Trimethylbenzene
Concen: 0.110 ppbv m
RT: 16.011 min Scan# 4113
Delta R.T. 0.039 min
Lab File: VL037570.D
Acq: 8 Sep 2021 13:41

Tgt Ion:105 Resp: 62089
Ion Ratio Lower Upper
105 100
120 46.1 37.6 56.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.489 ppbv
 RT: 16.767 min Scan# 4348
 Delta R.T. 0.029 min
 Lab File: VL037570.D
 Acq: 8 Sep 2021 13:41

Tgt Ion:	105	Resp:	292660
Ion	Ratio	Lower	Upper
105	100		
120	39.6	40.4	60.6#
91	10.1	44.6	67.0#
77	10.7	17.8	26.6#

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL

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