

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
 Data File : VL037568.D
 Acq On : 8 Sep 2021 12:25
 Operator : SY/AP
 Sample : M3663-05 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:52:20 AM

Quant Time: Sep 09 09:11:32 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	1759938	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.182	114	5070862	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.092	117	4515332	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.423	95	3291072	10.259	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.600%	
Target Compounds						
					Qvalue	
9) Propene	3.018	41	323236	2.681	ppbv	86
10) Heptane	8.128	43	51421	0.185	ppbv	98
13) Ethanol	3.616	45	56078m	4.779	ppbv	
15) Acetone	3.851	43	2389990	13.344	ppbv	97
17) tert-Butyl alcohol	4.301	59	198604	1.214	ppbv #	90
19) Isopropyl Alcohol	3.977	45	44728	0.436	ppbv #	95
20) Methylene Chloride	4.350	84	270306	3.014	ppbv	97
26) Hexane	5.690	57	307087	1.381	ppbv #	45
27) Carbon Disulfide	4.555	76	91316m	0.461	ppbv	
30) Cyclohexane	7.150	84	23658m	0.128	ppbv	
32) 1,1,1-Trichloroethane	6.517	97	65060m	0.210	ppbv	
34) 2-Butanone	5.256	43	311239	1.503	ppbv #	81
36) Benzene	6.896	78	92427m	0.217	ppbv	
38) Trichloroethene	7.841	130	1872647	10.707	ppbv	97
52) Tetrachloroethene	11.230	164	2743172m	15.704	ppbv	
53) Toluene	9.812	91	1945510	3.997	ppbv	99
58) Ethyl Benzene	12.725	91	395998m	0.632	ppbv	
59) m/p-Xylene	12.973	91	1093746	2.013	ppbv	97
60) o-Xylene	13.700	91	356009	0.702	ppbv	100
73) 1,3,5-Trimethylbenzene	16.008	105	55890m	0.100	ppbv	
74) 1,2,4-Trimethylbenzene	16.767	105	263452	0.442	ppbv #	65

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

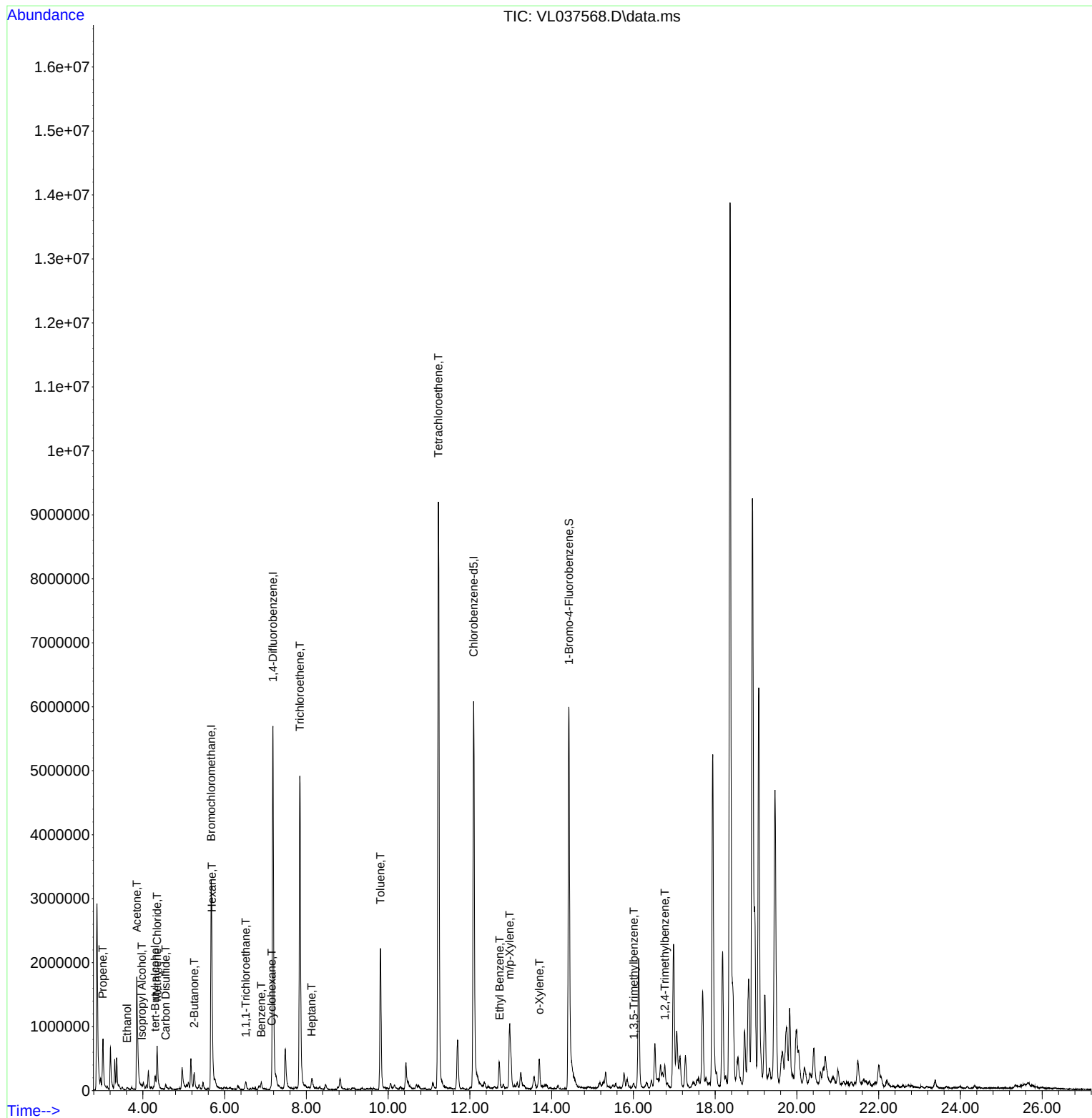
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Data File : VL037568.D
Acq On : 8 Sep 2021 12:25
Operator : SY/AP
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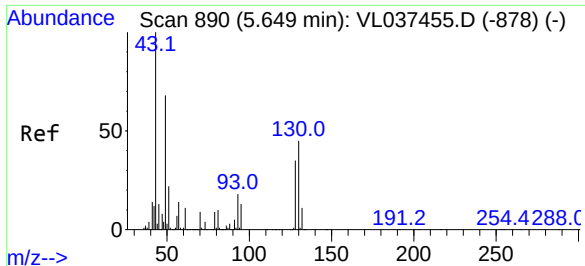
Instrument :
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Quant Time: Sep 09 09:11:32 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





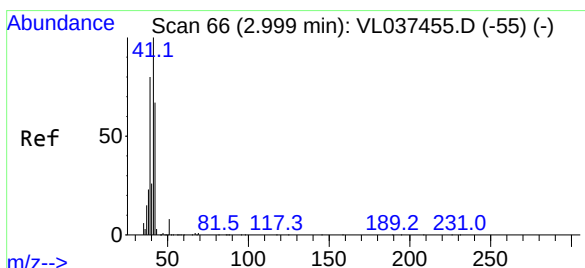
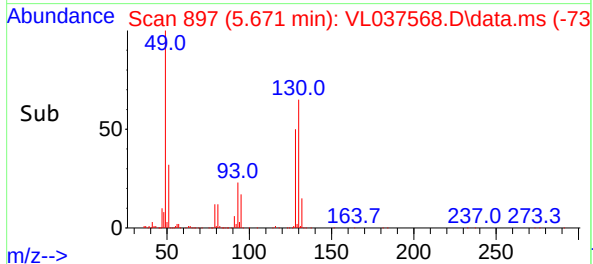
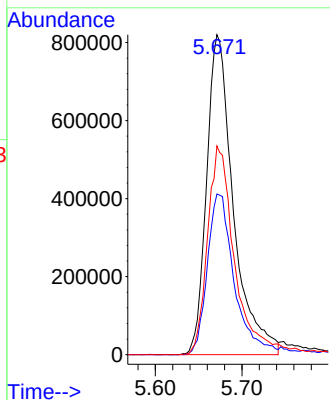
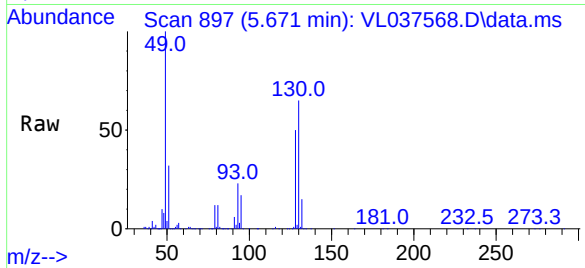
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 897
Delta R.T. 0.023 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Instrument :
MSVOA_L
ClientSampled :
SV-2DL

Tgt Ion: 49 Resp: 1759938
Ion Ratio Lower Upper
49 100
128 52.9 27.5 82.4
130 68.5 34.0 101.8

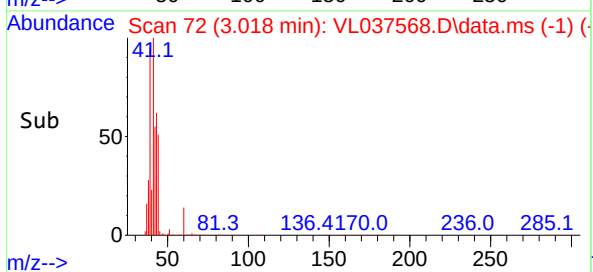
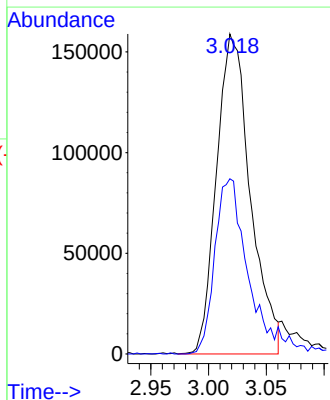
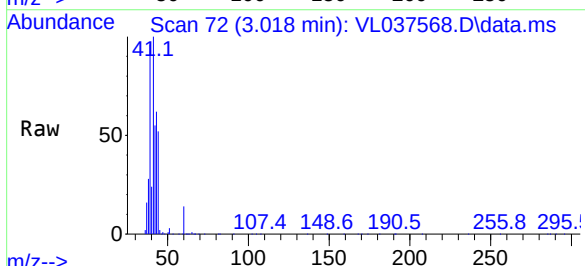
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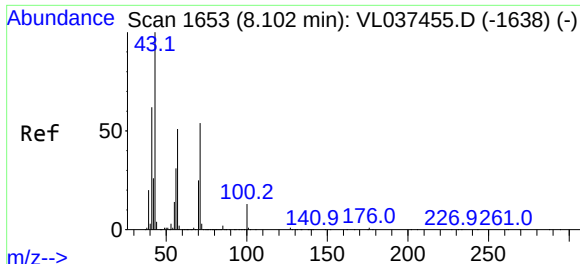
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#9
Propene
Concen: 2.681 ppbv
RT: 3.018 min Scan# 72
Delta R.T. 0.019 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 41 Resp: 323236
Ion Ratio Lower Upper
41 100
42 55.9 53.7 80.5





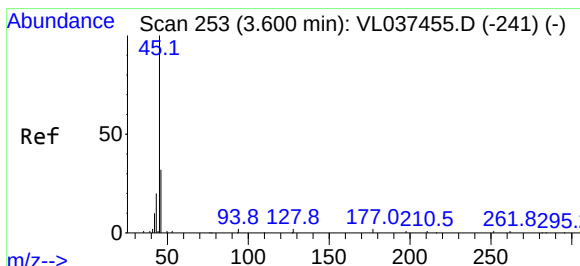
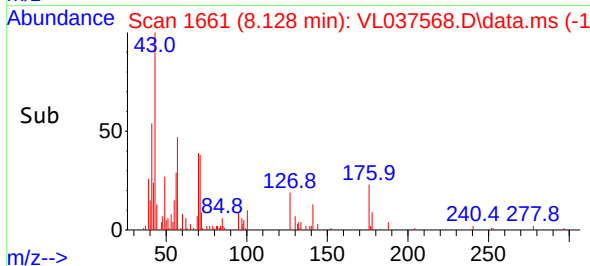
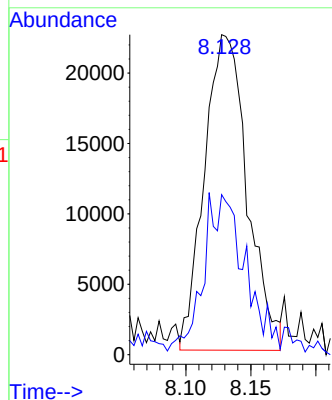
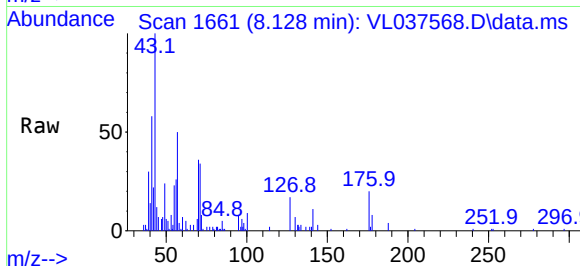
#10
Heptane
Concen: 0.185 ppbv
RT: 8.128 min Scan# 1661
Delta R.T. 0.026 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 43 Resp: 51421
Ion Ratio Lower Upper
43 100
57 50.2 41.0 61.6

Instrument :
MSVOA_L
ClientSampled :
SV-2DL

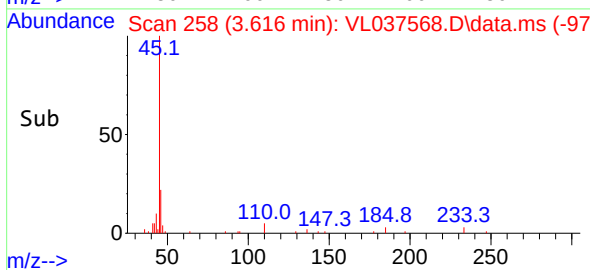
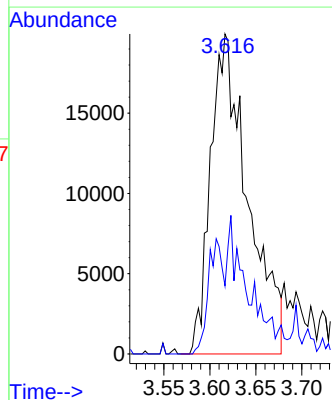
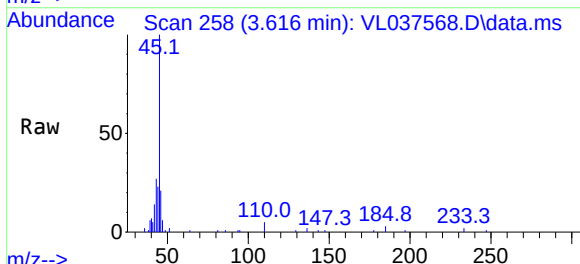
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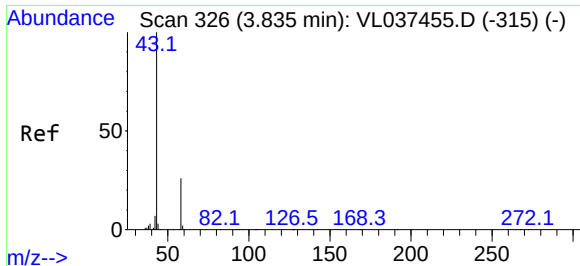
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#13
Ethanol
Concen: 4.779 ppbv m
RT: 3.616 min Scan# 258
Delta R.T. 0.016 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 45 Resp: 56078
Ion Ratio Lower Upper
45 100
46 38.8 14.1 56.5





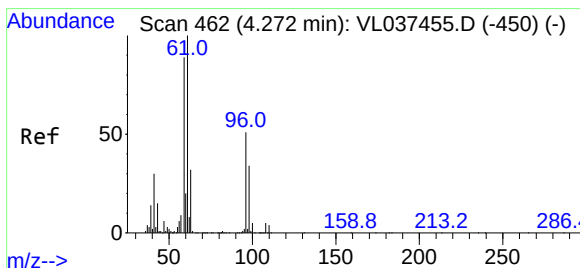
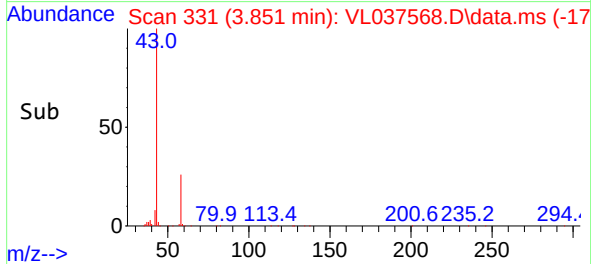
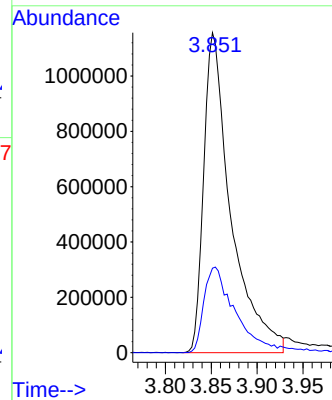
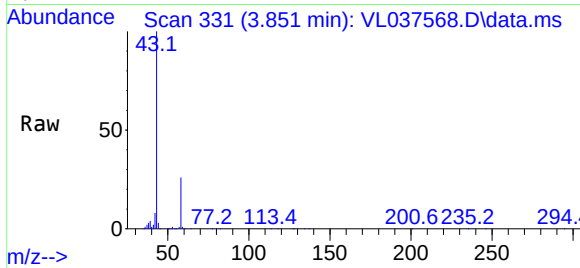
#15
Acetone
Concen: 13.344 ppbv
RT: 3.851 min Scan# 331
Delta R.T. 0.016 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion: 43 Resp: 2389990
Ion Ratio Lower Upper
43 100
58 32.5 24.8 37.2

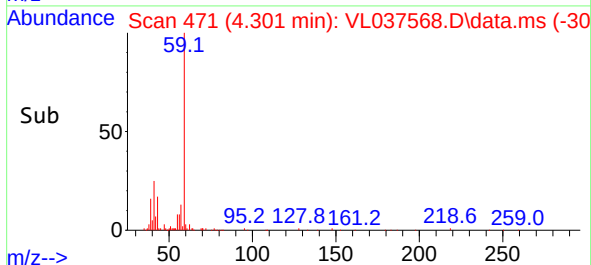
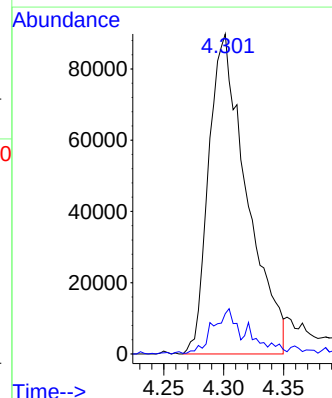
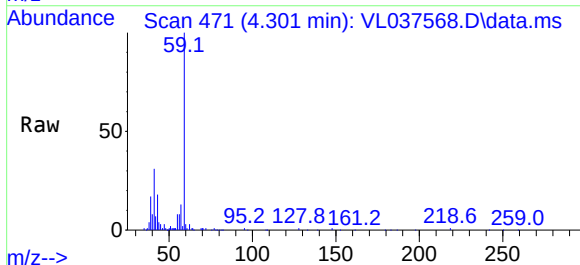
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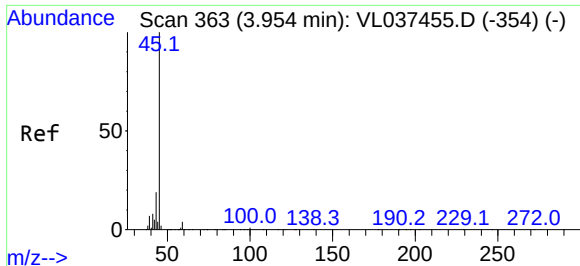
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#17
tert-Butyl alcohol
Concen: 1.214 ppbv
RT: 4.301 min Scan# 471
Delta R.T. 0.029 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 59 Resp: 198604
Ion Ratio Lower Upper
59 100
57 14.0 8.3 12.5#





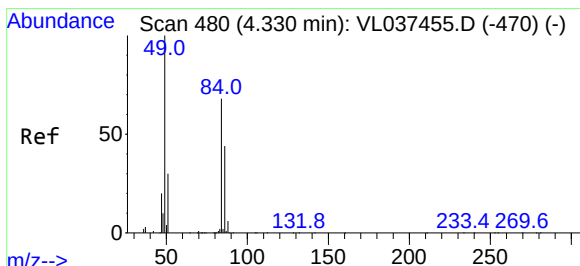
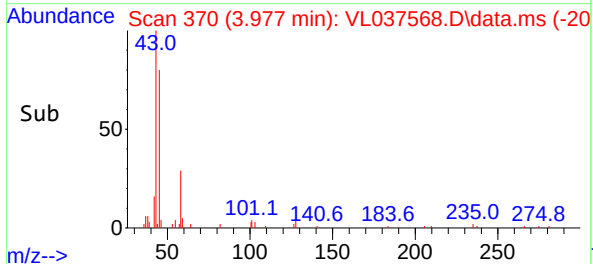
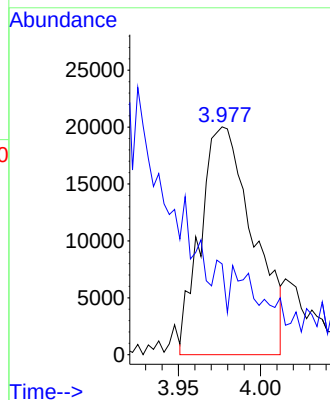
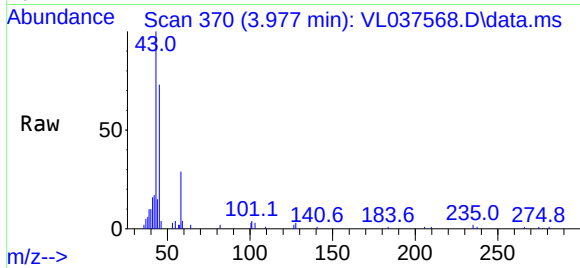
#19
Isopropyl Alcohol
Concen: 0.436 ppbv
RT: 3.977 min Scan# 370
Delta R.T. 0.023 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 45 Resp: 44728
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

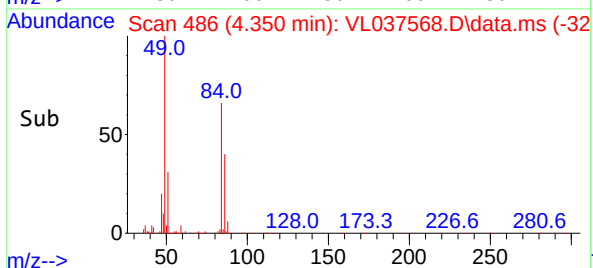
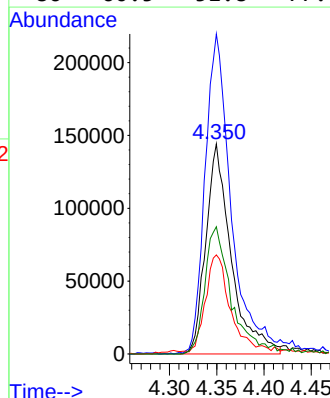
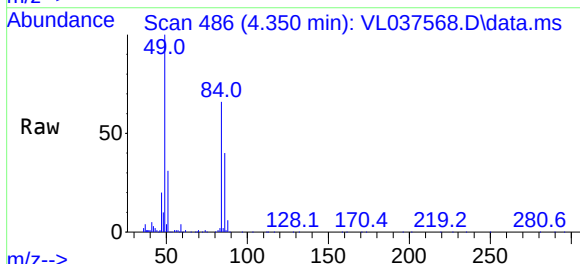
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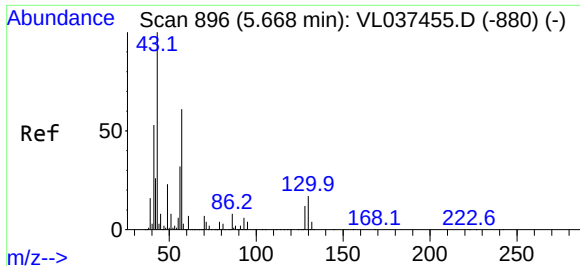
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#20
Methylene Chloride
Concen: 3.014 ppbv
RT: 4.350 min Scan# 486
Delta R.T. 0.019 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 84 Resp: 270306
Ion Ratio Lower Upper
84 100
49 151.0 118.2 177.2
51 45.9 36.6 55.0
86 60.5 51.8 77.6





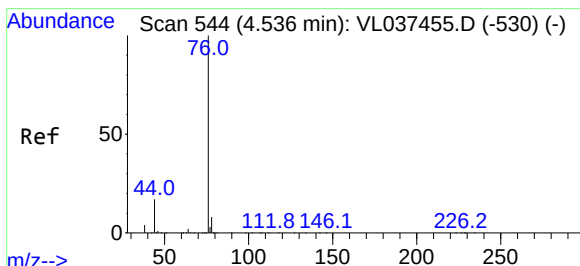
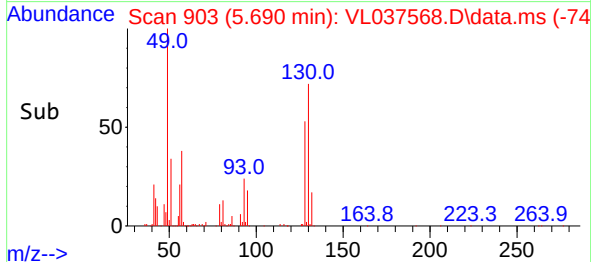
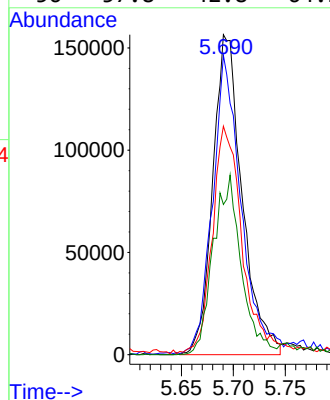
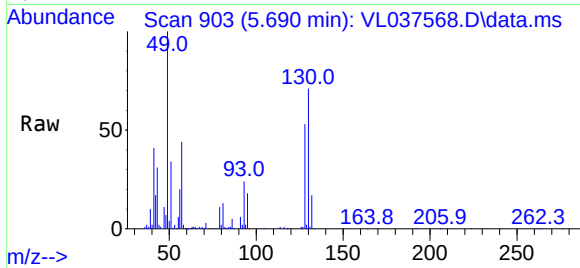
#26
Hexane
Concen: 1.381 ppbv
RT: 5.690 min Scan# 903
Delta R.T. 0.023 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Tgt Ion:	57	Resp:	307087
Ion	Ratio	Lower	Upper
57	100		
41	91.4	72.3	108.5
43	72.3	172.3	258.5#
56	57.8	42.8	64.2

Instrument :
MSVOA_L
ClientSampleId :
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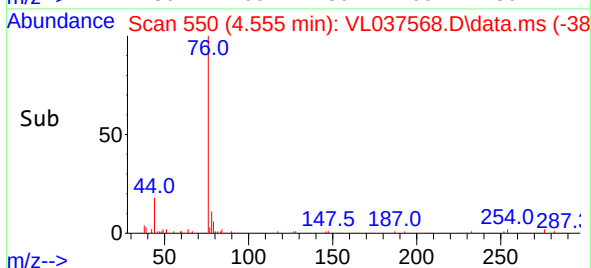
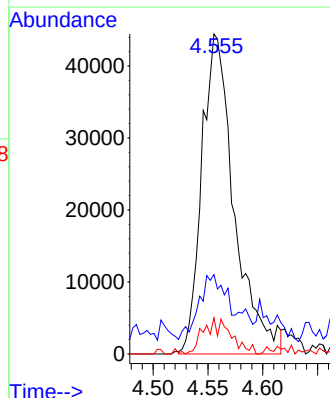
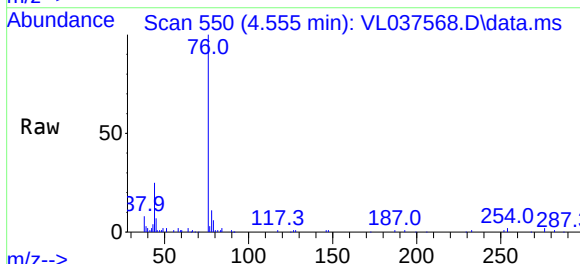
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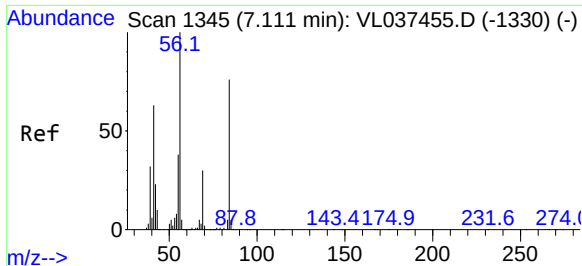
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#27
Carbon Disulfide
Concen: 0.461 ppbv m
RT: 4.555 min Scan# 550
Delta R.T. 0.019 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

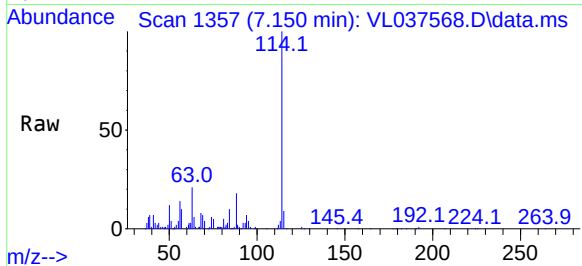
Tgt Ion:	76	Resp:	91316
Ion	Ratio	Lower	Upper
76	100		
44	29.3	13.9	20.9#
78	10.1	7.9	11.9





#30
Cyclohexane
Concen: 0.128 ppbv m
RT: 7.150 min Scan# 1357
Delta R.T. 0.039 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

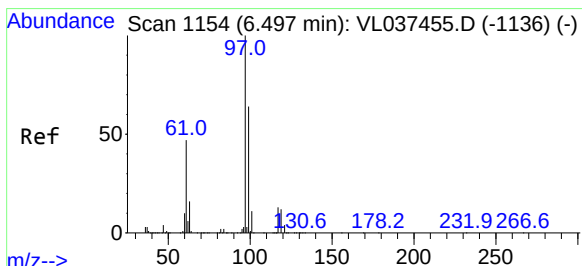
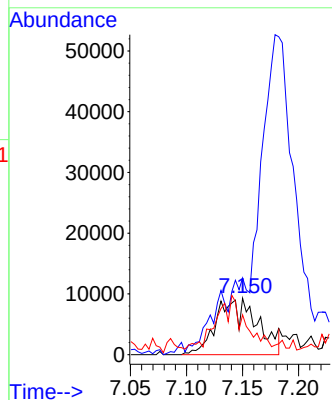
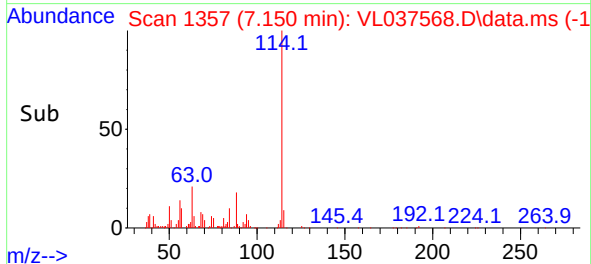
Instrument :
MSVOA_L
ClientSampled :
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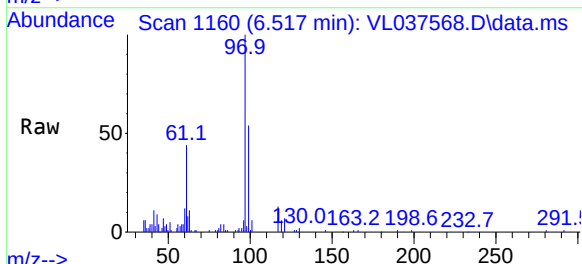
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Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 73.3 67.0 100.6

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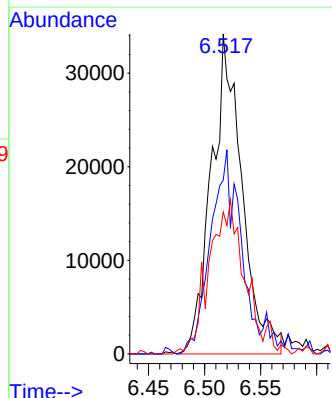
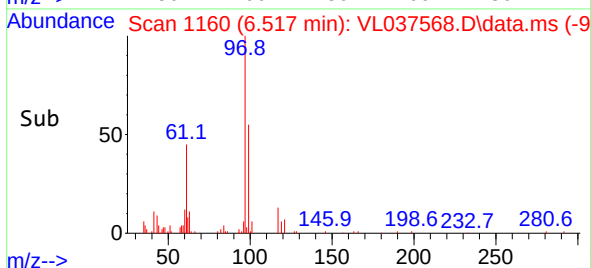
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9/10/2021 10:52:20 AM

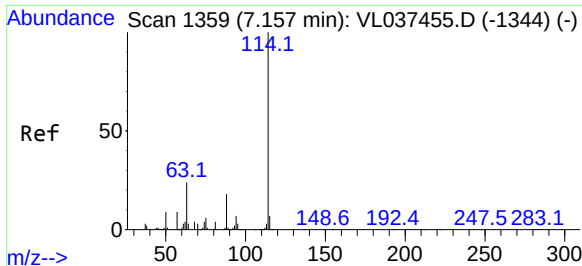


#32
1,1,1-Trichloroethane
Concen: 0.210 ppbv m
RT: 6.517 min Scan# 1160
Delta R.T. 0.019 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25



Tgt Ion: 97 Resp: 65060
Ion Ratio Lower Upper
97 100
99 68.2 51.8 77.6
61 56.5 39.6 59.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 1367
Delta R.T. 0.026 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

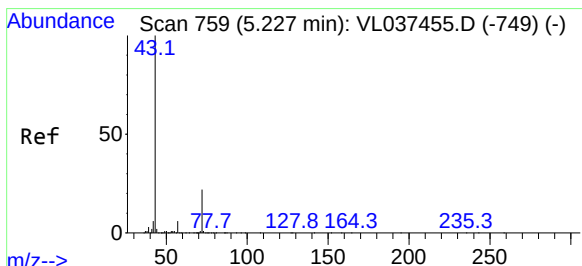
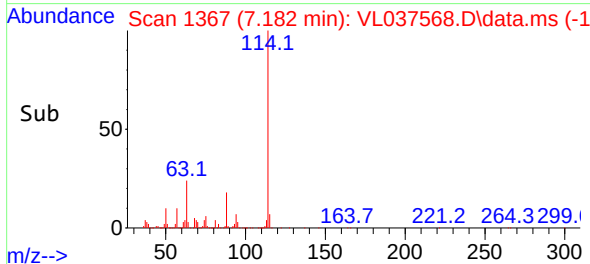
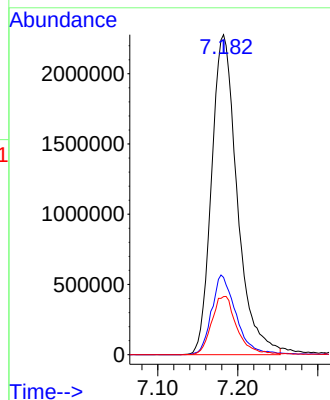
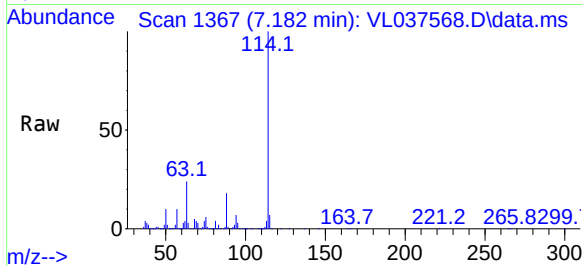
Tgt Ion: 114 Resp: 5070862

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.3	28.9
88	18.1	14.2	21.4

Instrument :
MSVOA_L
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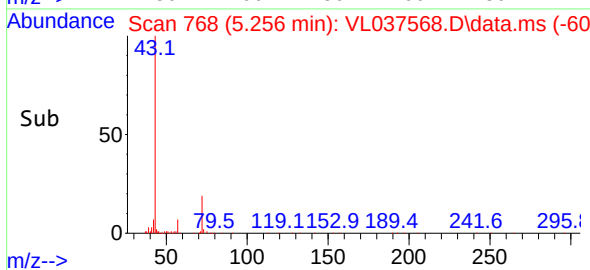
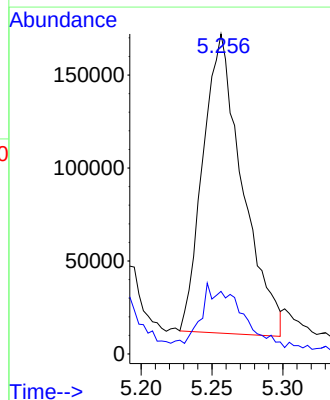
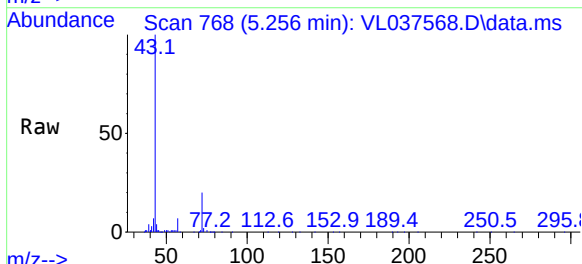
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9/10/2021 10:52:20 AM

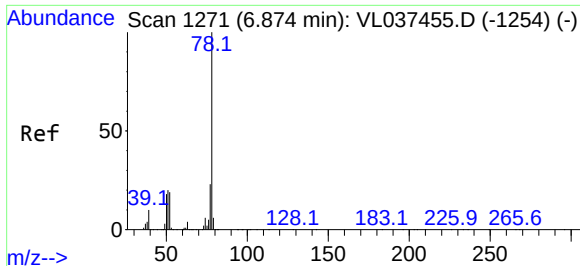


#34
2-Butanone
Concen: 1.503 ppbv
RT: 5.256 min Scan# 768
Delta R.T. 0.029 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 43 Resp: 311239

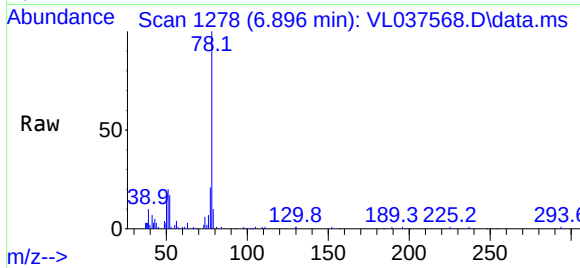
Ion	Ratio	Lower	Upper
43	100		
72	30.5	17.4	26.0





#36
Benzene
Concen: 0.217 ppbv m
RT: 6.896 min Scan# 1278
Delta R.T. 0.023 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Instrument :
MSVOA_L
ClientSampled :
SV-2DL

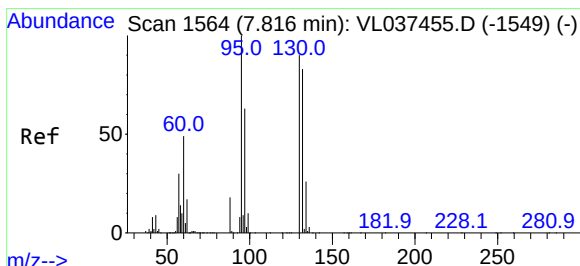
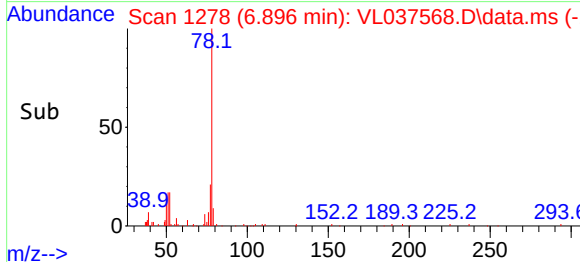
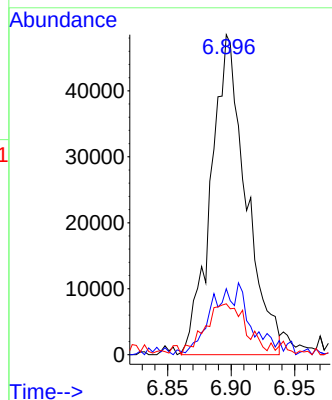


Tgt Ion: 78 Resp: 92427

Ion	Ratio	Lower	Upper
78	100		
77	20.6	18.2	27.4
50	15.9	14.6	21.8

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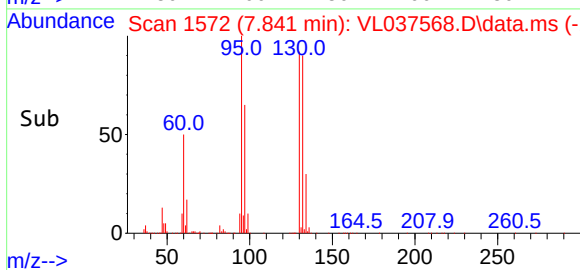
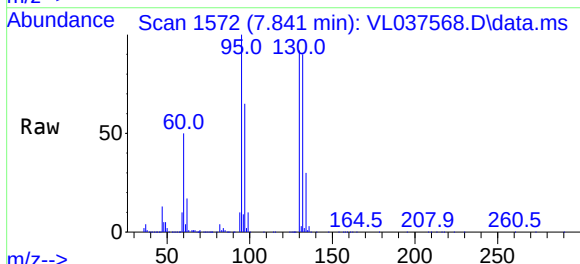
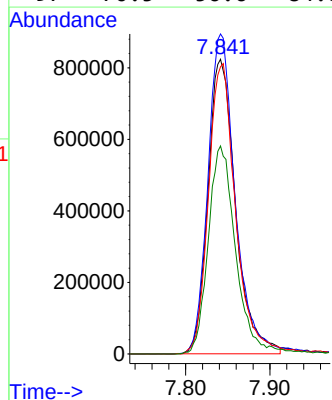
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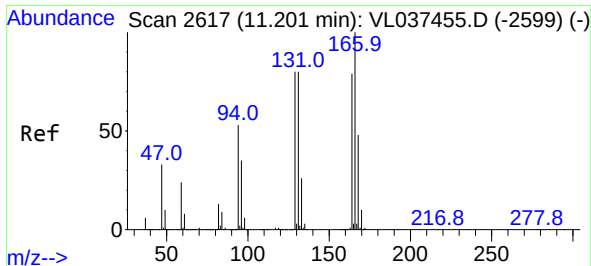


#38
Trichloroethene
Concen: 10.707 ppbv
RT: 7.841 min Scan# 1572
Delta R.T. 0.026 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 130 Resp: 1872647

Ion	Ratio	Lower	Upper
130	100		
95	108.5	89.2	133.8
132	97.5	74.0	111.0
97	70.5	56.6	84.8





#52
Tetrachloroethene
Concen: 15.704 ppbv m
RT: 11.230 min Scan# 2626
Delta R.T. 0.029 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

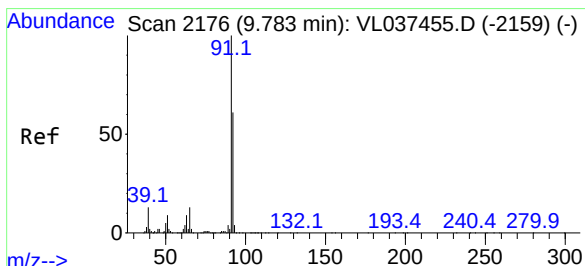
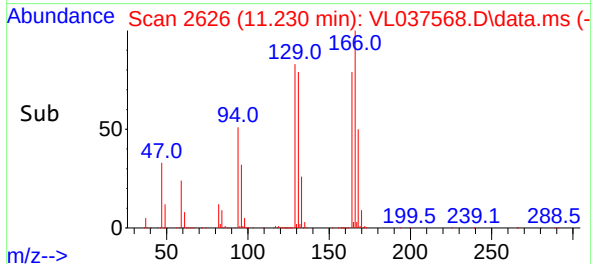
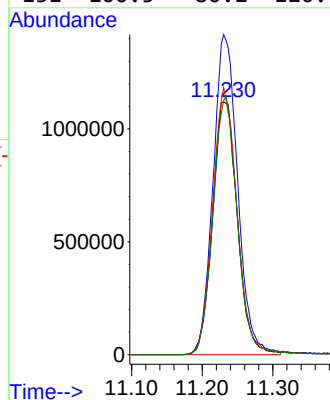
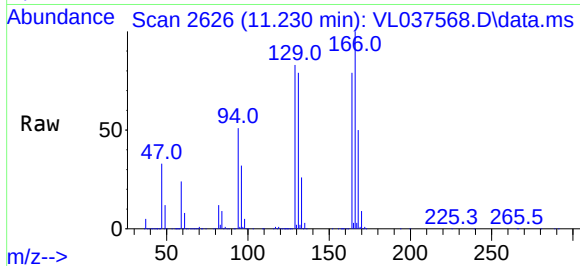
Tgt Ion:164 Resp: 2743172

Ion	Ratio	Lower	Upper
164	100		
166	126.6	100.7	151.1
129	105.6	80.9	121.3
131	100.5	80.2	120.4

Instrument :
MSVOA_L
ClientSampled :
SV-2DL

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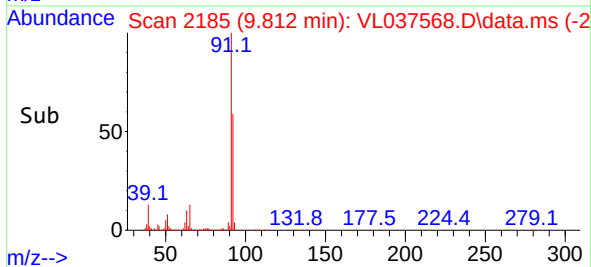
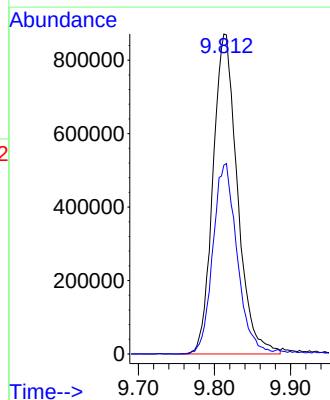
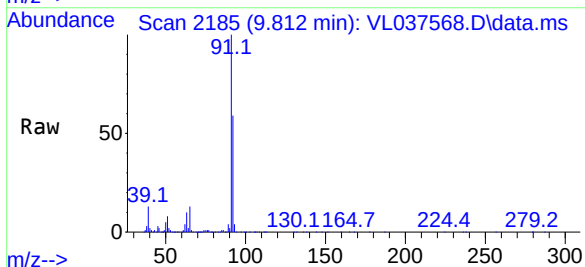
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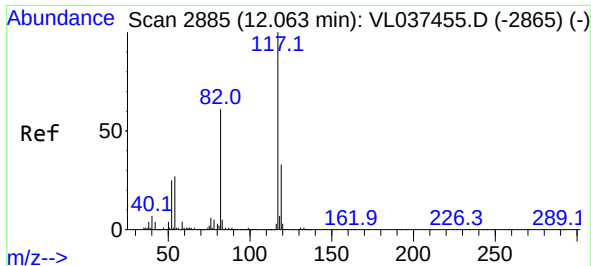


#53
Toluene
Concen: 3.997 ppbv
RT: 9.812 min Scan# 2185
Delta R.T. 0.029 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 91 Resp: 1945510

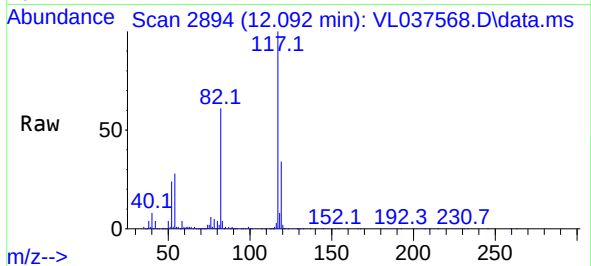
Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.8	73.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.092 min Scan# 2894
Delta R.T. 0.029 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

Instrument :
MSVOA_L
ClientSampled :
SV-2DL

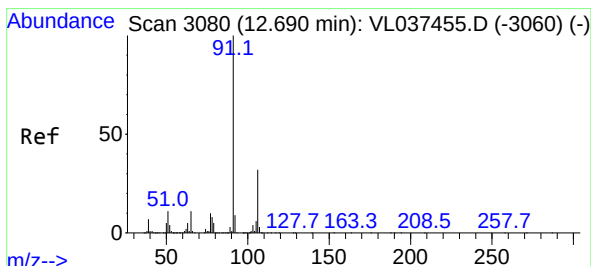
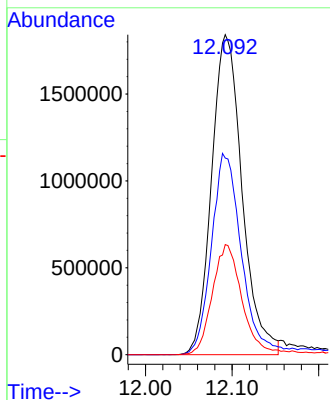
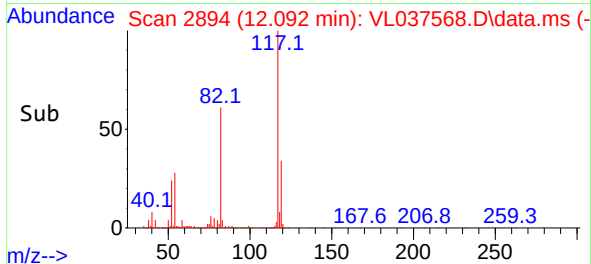


Tgt Ion: 117 Resp: 4515332

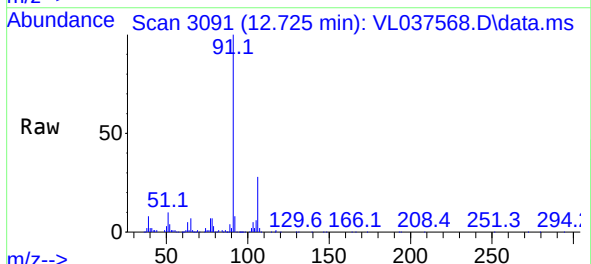
Ion	Ratio	Lower	Upper
117	100		
82	64.2	52.9	79.3
119	34.6	24.8	37.2

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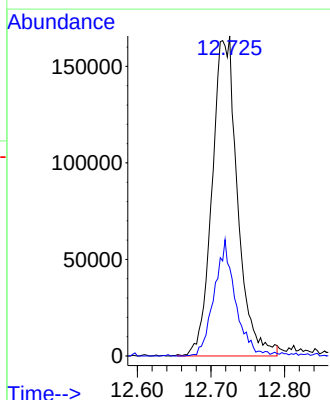
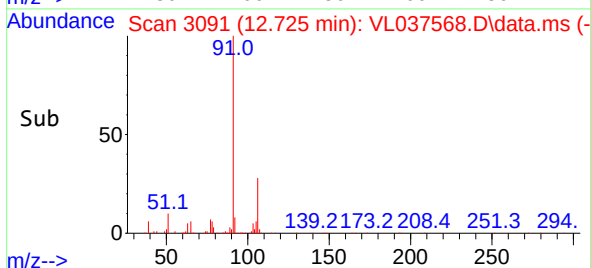


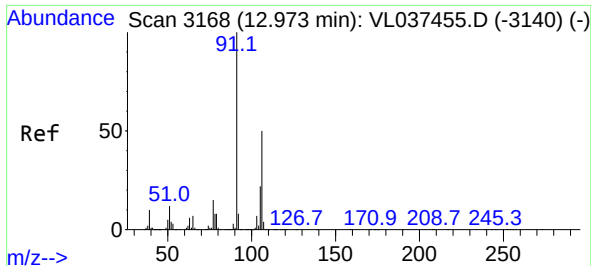
#58
Ethyl Benzene
Concen: 0.632 ppbv m
RT: 12.725 min Scan# 3091
Delta R.T. 0.035 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25



Tgt Ion: 91 Resp: 395998

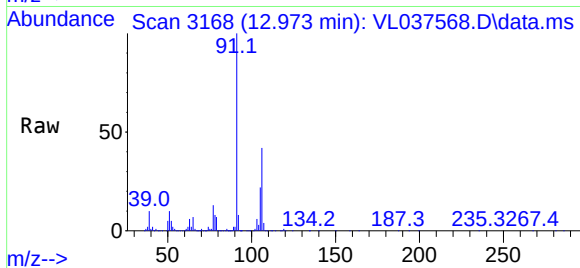
Ion	Ratio	Lower	Upper
91	100		
106	27.6	25.7	38.5





#59
m/p-Xylene
Concen: 2.013 ppbv
RT: 12.973 min Scan# 3168
Delta R.T. 0.000 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25

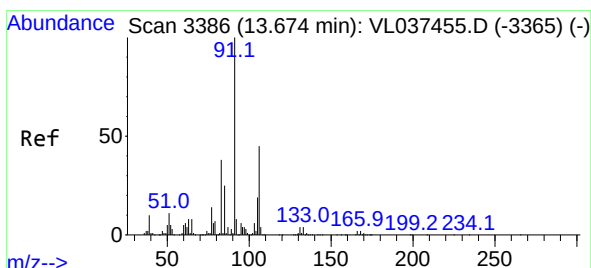
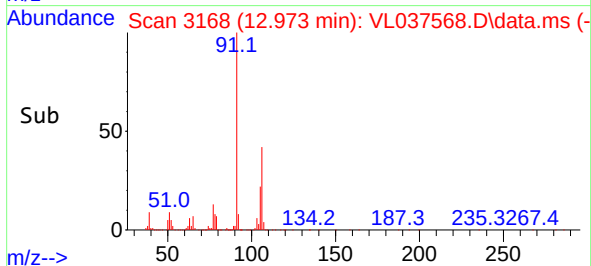
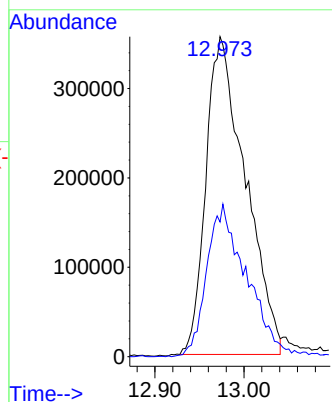
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL



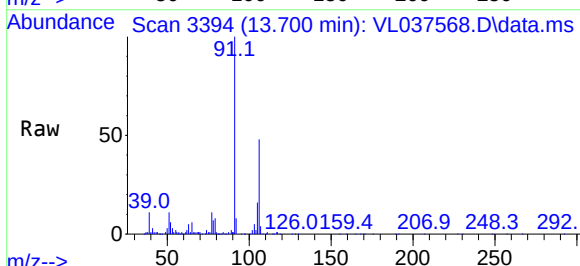
Tgt Ion: 91 Resp: 1093746
Ion Ratio Lower Upper
91 100
106 48.3 36.9 55.3

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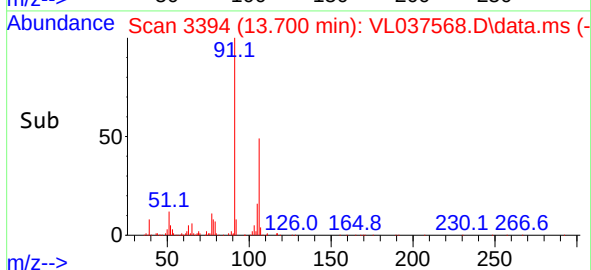
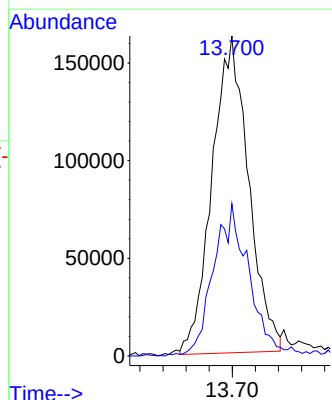
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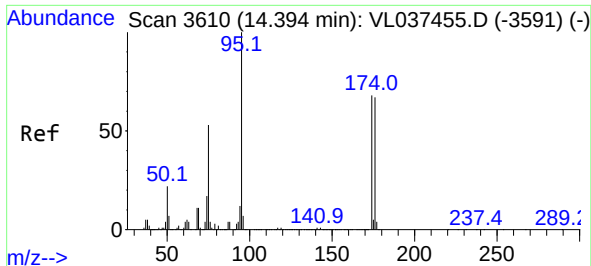


#60
o-Xylene
Concen: 0.702 ppbv
RT: 13.700 min Scan# 3394
Delta R.T. 0.026 min
Lab File: VL037568.D
Acq: 8 Sep 2021 12:25



Tgt Ion: 91 Resp: 356009
Ion Ratio Lower Upper
91 100
106 47.1 23.7 71.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.259 ppbv
 RT: 14.423 min Scan# 3619
 Delta R.T. 0.029 min
 Lab File: VL037568.D
 Acq: 8 Sep 2021 12:25

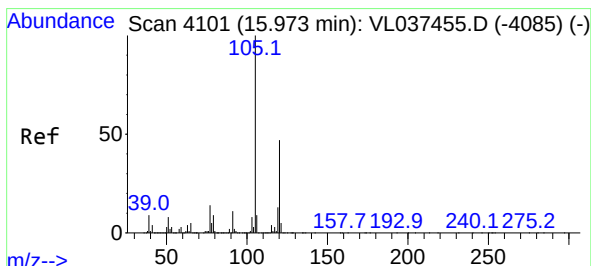
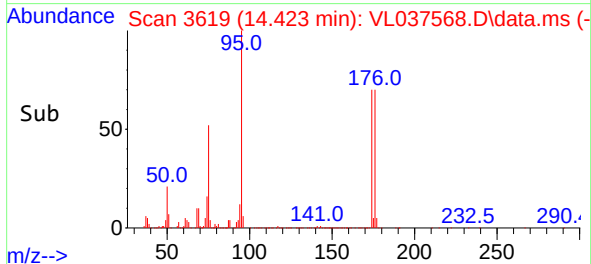
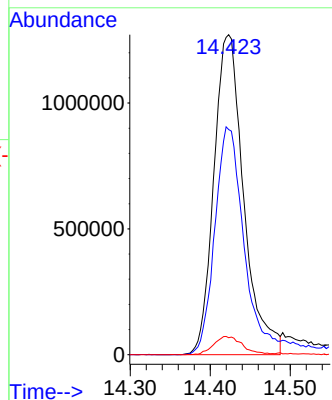
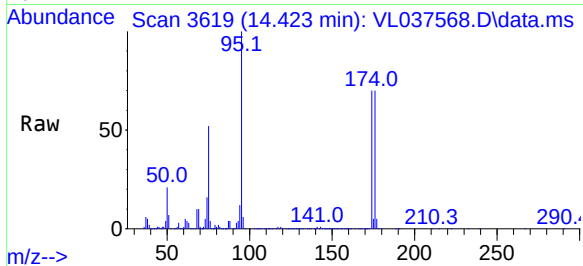
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Tgt Ion: 95 Resp: 3291072

Ion	Ratio	Lower	Upper
95	100		
174	76.1	59.6	89.4
175	5.6	4.6	7.0

Manual Integrations
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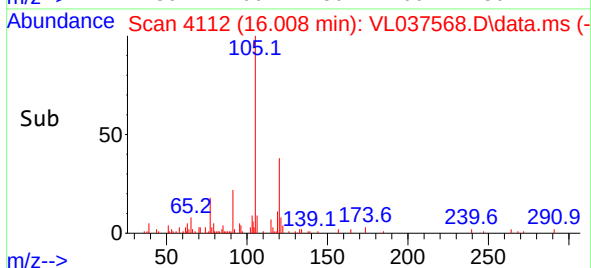
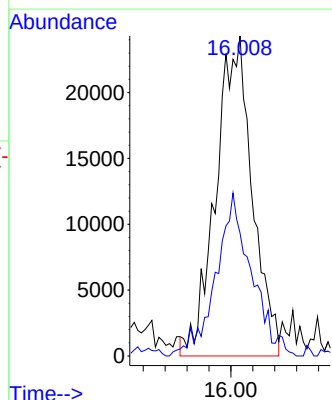
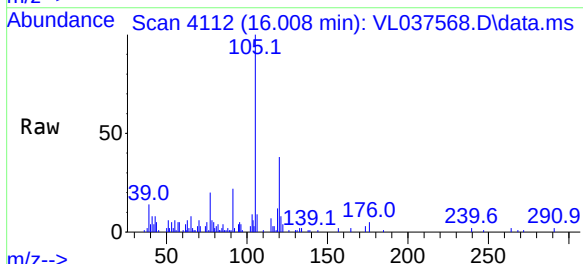
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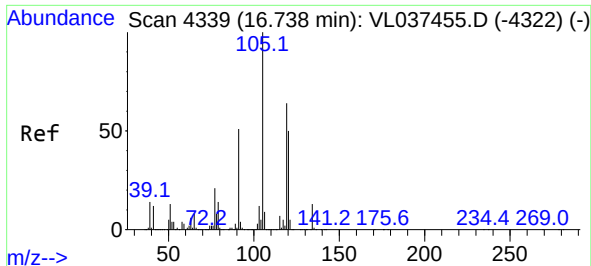


#73
 1,3,5-Trimethylbenzene
 Concen: 0.100 ppbv m
 RT: 16.008 min Scan# 4112
 Delta R.T. 0.035 min
 Lab File: VL037568.D
 Acq: 8 Sep 2021 12:25

Tgt Ion: 105 Resp: 55890

Ion	Ratio	Lower	Upper
105	100		
120	38.4	37.6	56.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.442 ppbv
 RT: 16.767 min Scan# 4348
 Delta R.T. 0.029 min
 Lab File: VL037568.D
 Acq: 8 Sep 2021 12:25

Tgt Ion:	105	Resp:	263452
Ion	Ratio	Lower	Upper
105	100		
120	40.9	40.4	60.6
91	10.4	44.6	67.0#
77	15.0	17.8	26.6#

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Manual Integrations
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MMDadoda
 9/10/2021 10:52:20 AM

