

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
 Data File : VL037576.D
 Acq On : 8 Sep 2021 17:44
 Operator : SY/AP
 Sample : M3662-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:52:37 AM

Quant Time: Sep 09 09:13:16 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	5.677	49	1218615	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.189	114	4881710	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.098	117	4103617	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.429	95	2944799	10.101	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.050	85	53532	0.274	ppbv	94
3) Chlorodifluoromethane	2.993	51	104917m	0.450	ppbv	
4) Chloromethane	3.150	50	48951	0.587	ppbv #	82
9) Propene	3.021	41	76831m	0.920	ppbv	
11) Trichlorofluoromethane	3.957	101	54292	0.296	ppbv	97
13) Ethanol	3.616	45	389674	47.963	ppbv	92
15) Acetone	3.857	43	1191378	9.606	ppbv	99
19) Isopropyl Alcohol	3.980	45	250419	3.524	ppbv #	83
20) Methylene Chloride	4.353	84	1669836	26.892	ppbv	97
26) Hexane	5.697	57	1345101	8.738	ppbv #	48
34) 2-Butanone	5.263	43	53671	0.269	ppbv #	70
35) Carbon Tetrachloride	7.031	117	14773m	0.051	ppbv	
36) Benzene	6.906	78	56098m	0.137	ppbv	
52) Tetrachloroethene	11.227	164	5686m	0.034	ppbv	
53) Toluene	9.819	91	181607	0.388	ppbv	98
59) m/p-Xylene	12.989	91	179160m	0.363	ppbv	
60) o-Xylene	13.696	91	73669m	0.160	ppbv	

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

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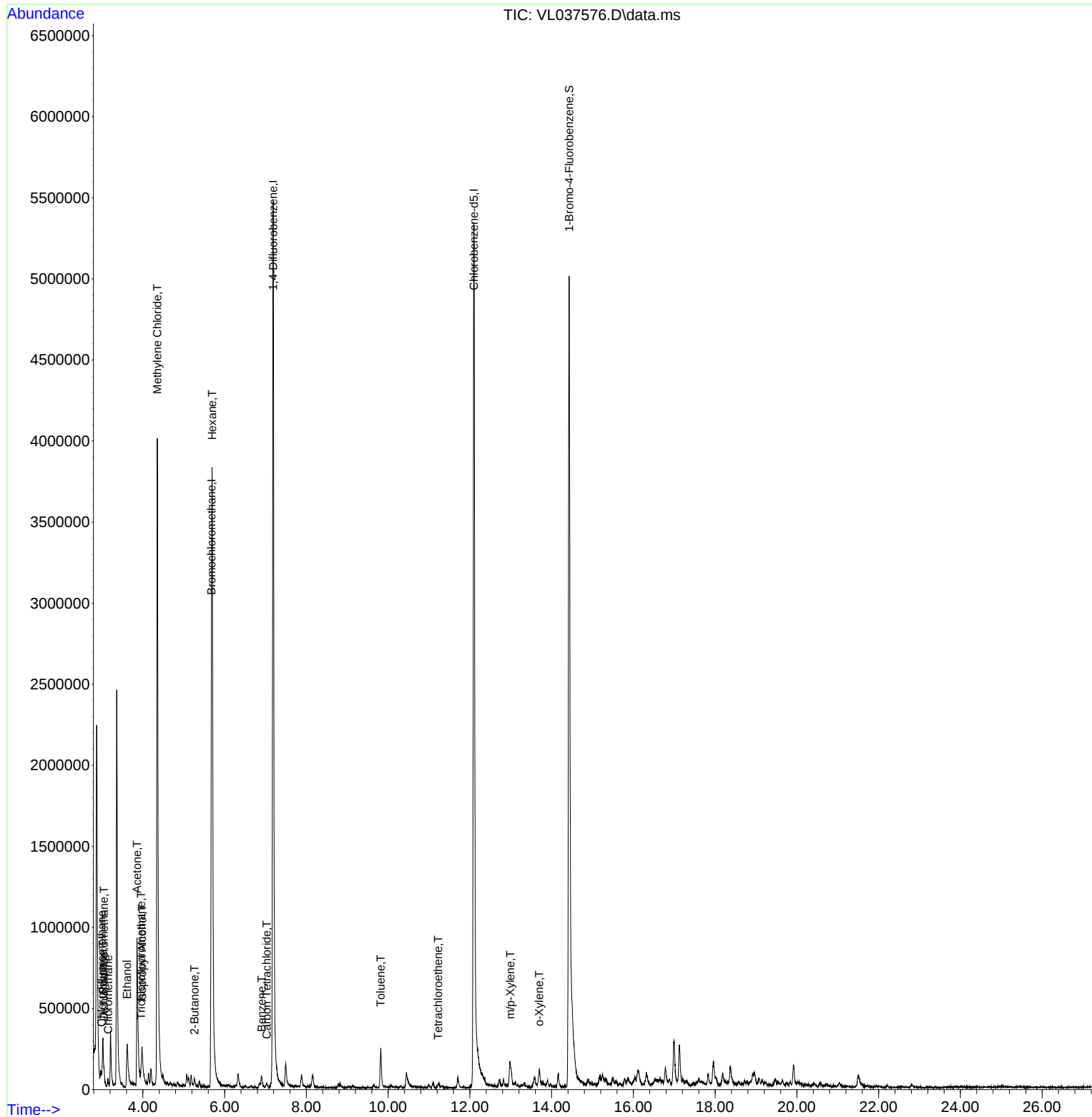
Quant Time: Sep 09 09:13:16 2021

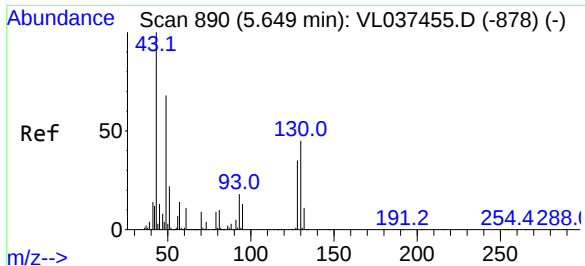
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M

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

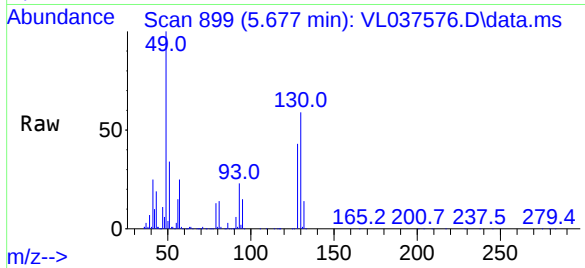
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.677 min Scan# 899
Delta R.T. 0.029 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

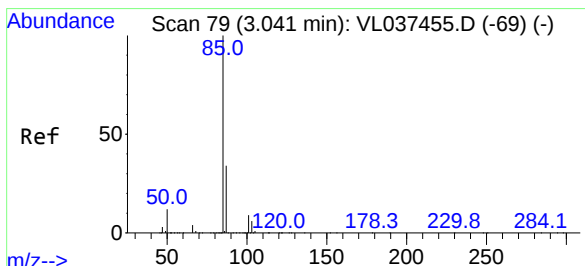
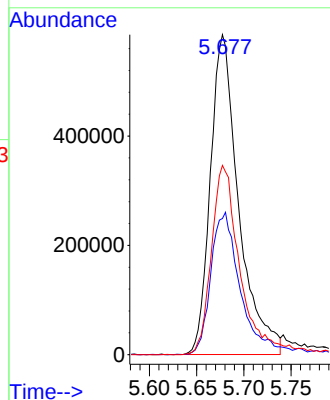
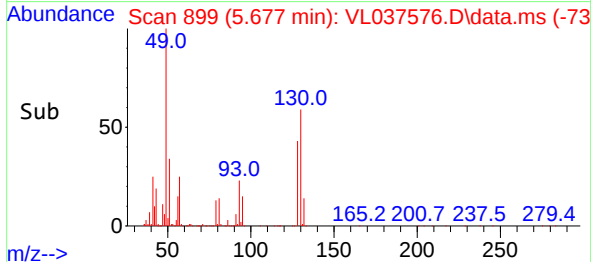
Instrument :
MSVOA_L
ClientSampleId :
OA-1



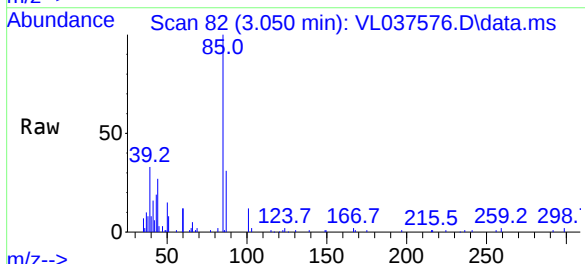
Tgt Ion: 49 Resp: 1218615
Ion Ratio Lower Upper
49 100
128 49.0 27.5 82.4
130 62.9 34.0 101.8

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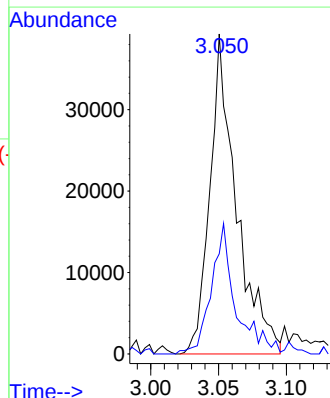
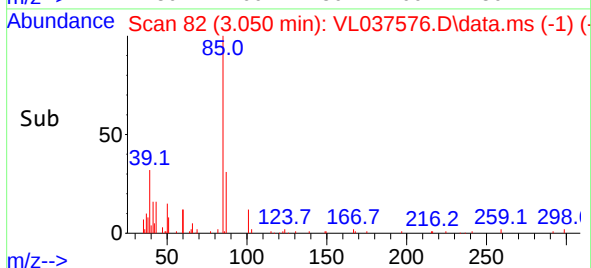
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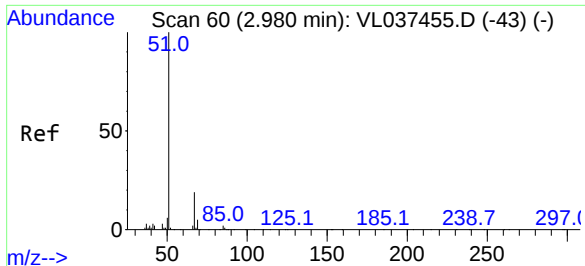


#2
Dichlorodifluoromethane
Concen: 0.274 ppbv
RT: 3.050 min Scan# 82
Delta R.T. 0.010 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44



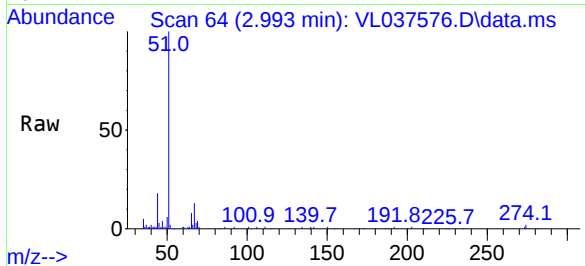
Tgt Ion: 85 Resp: 53532
Ion Ratio Lower Upper
85 100
87 31.0 27.6 41.4





#3
Chlorodifluoromethane
Concen: 0.450 ppbv m
RT: 2.993 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

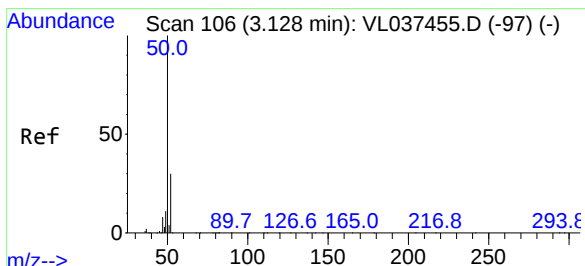
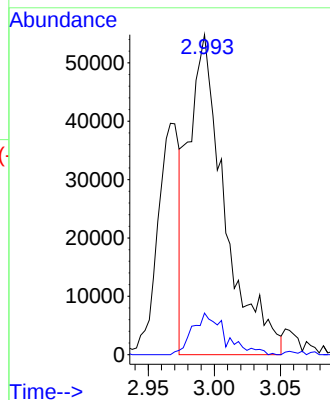
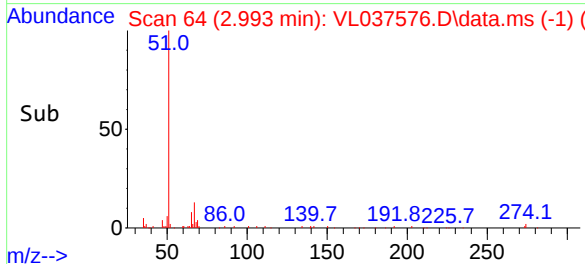
Instrument :
MSVOA_L
ClientSampleId :
OA-1



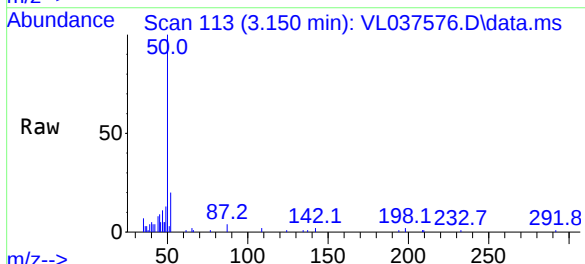
Tgt Ion: 51 Resp: 104917
Ion Ratio Lower Upper
51 100
67 11.8 14.2 21.2#

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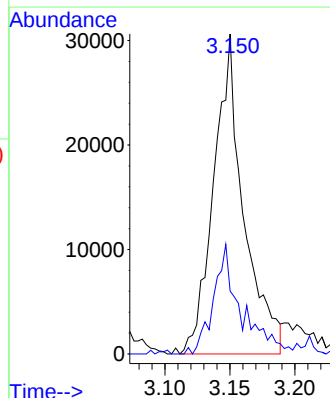
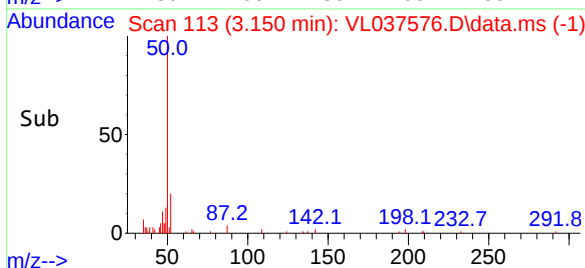
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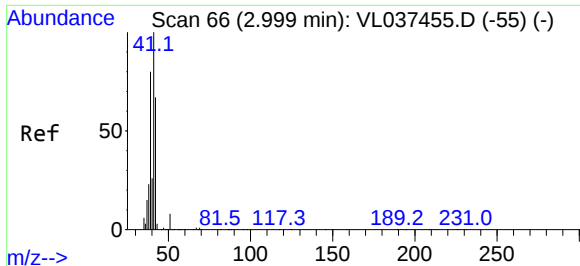


#4
Chloromethane
Concen: 0.587 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.022 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44



Tgt Ion: 50 Resp: 48951
Ion Ratio Lower Upper
50 100
52 20.3 24.0 36.0#





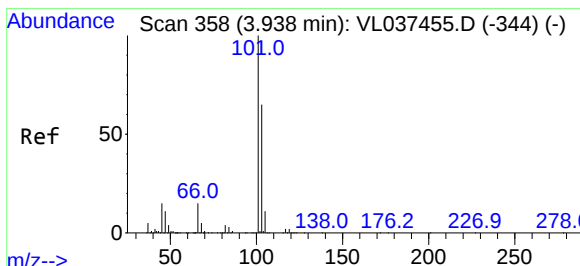
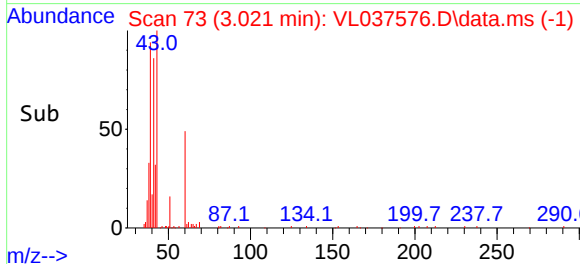
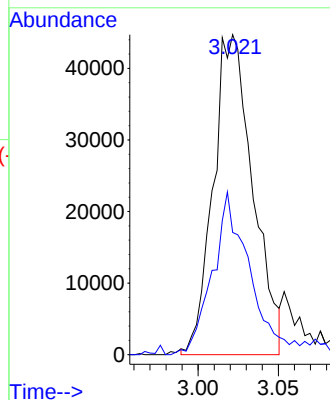
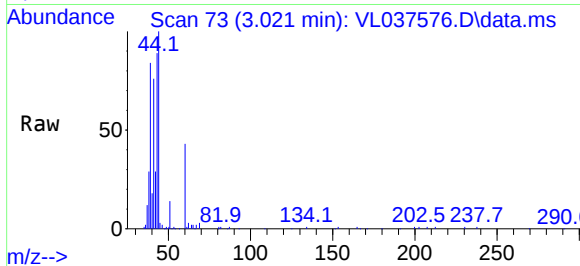
#9
Propene
Concen: 0.920 ppbv m
RT: 3.021 min Scan# 73
Delta R.T. 0.022 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

Tgt Ion: 41 Resp: 76831
Ion Ratio Lower Upper
41 100
42 52.1 53.7 80.5#

Instrument :
MSVOA_L
ClientSampleId :
OA-1

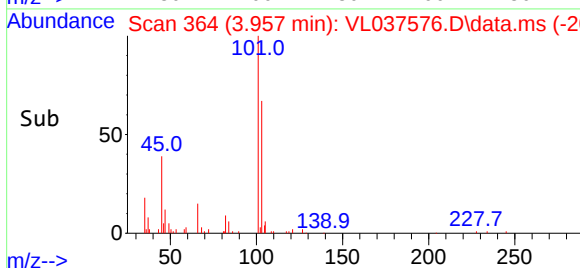
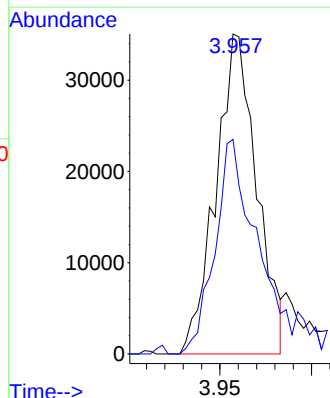
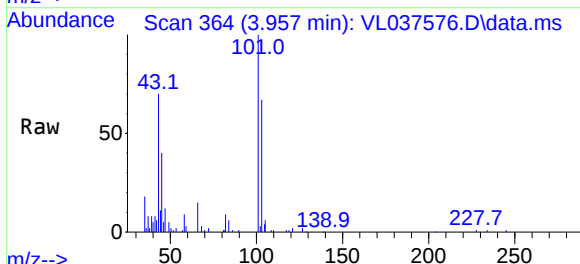
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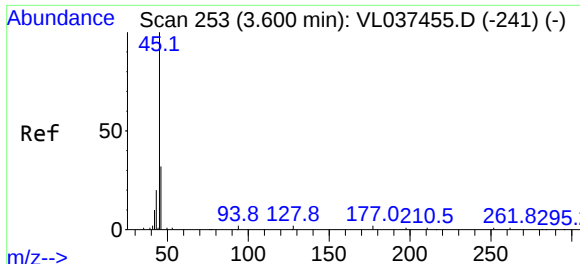
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#11
Trichlorofluoromethane
Concen: 0.296 ppbv
RT: 3.957 min Scan# 364
Delta R.T. 0.019 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

Tgt Ion: 101 Resp: 54292
Ion Ratio Lower Upper
101 100
103 67.1 51.8 77.6





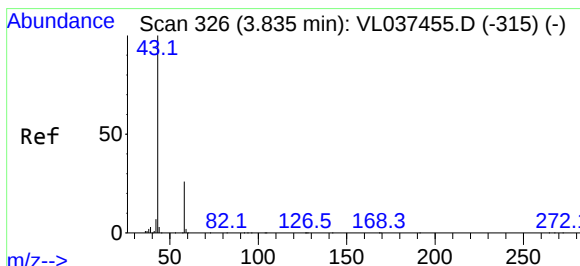
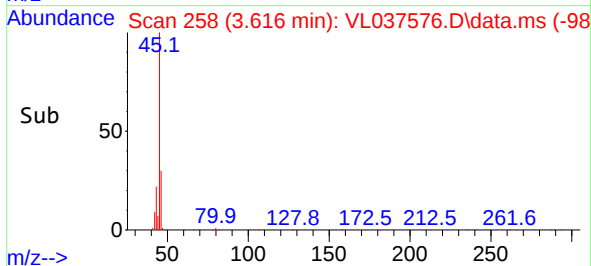
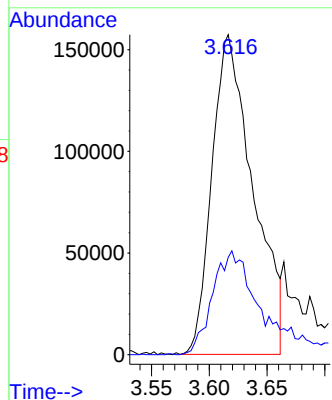
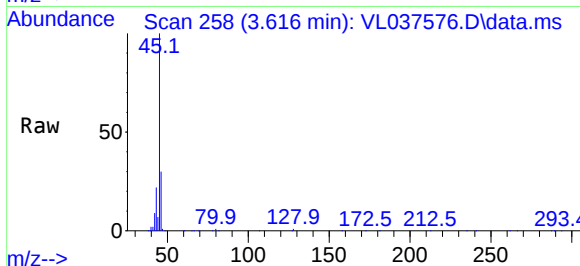
#13
Ethanol
Concen: 47.963 ppbv
RT: 3.616 min Scan# 258
Delta R.T. 0.016 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

Tgt Ion: 45 Resp: 389674
Ion Ratio Lower Upper
45 100
46 40.2 14.1 56.5

Instrument :
MSVOA_L
ClientSampled :
OA-1

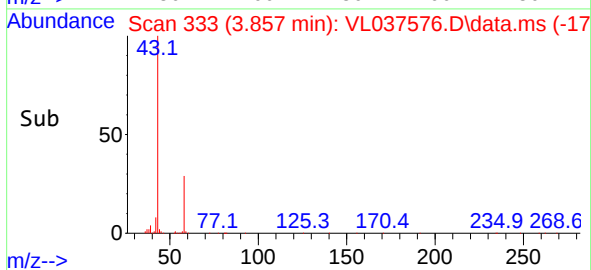
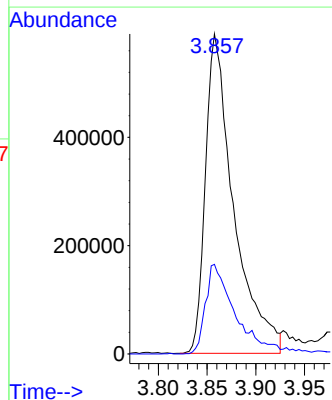
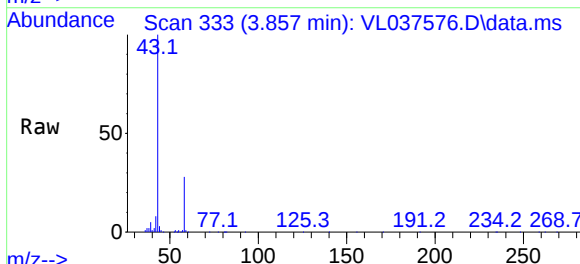
Manual Integrations
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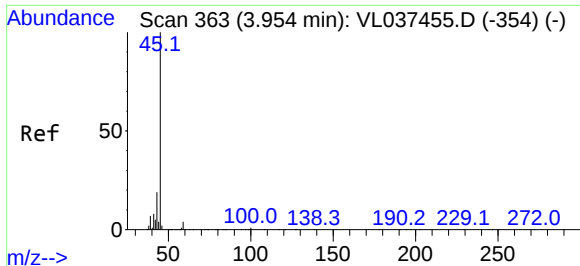
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#15
Acetone
Concen: 9.606 ppbv
RT: 3.857 min Scan# 333
Delta R.T. 0.022 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

Tgt Ion: 43 Resp: 1191378
Ion Ratio Lower Upper
43 100
58 30.6 24.8 37.2





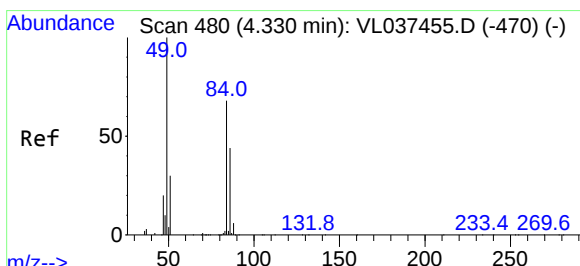
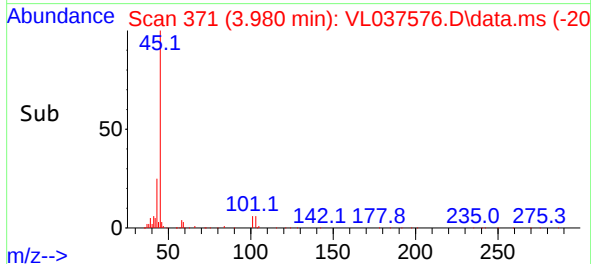
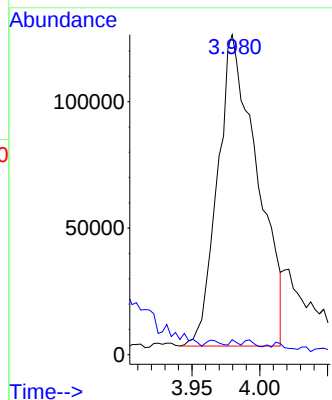
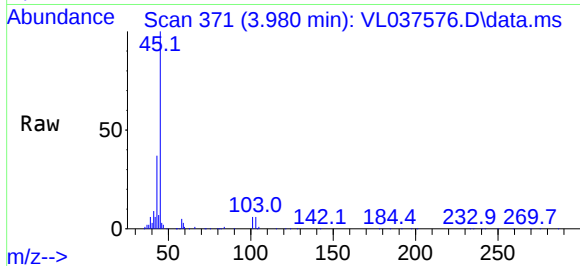
#19
Isopropyl Alcohol
Concen: 3.524 ppbv
RT: 3.980 min Scan# 371
Delta R.T. 0.026 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

Instrument :
MSVOA_L
ClientSampled :
OA-1

Tgt Ion: 45 Resp: 250419
Ion Ratio Lower Upper
45 100
58 7.9 1.4 2.2#

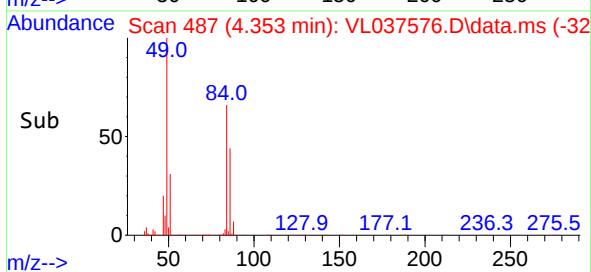
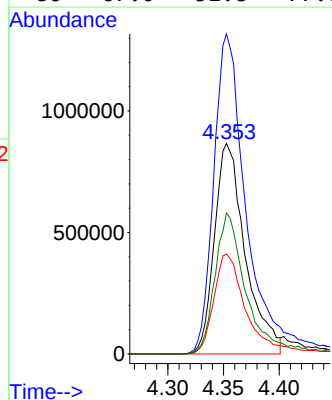
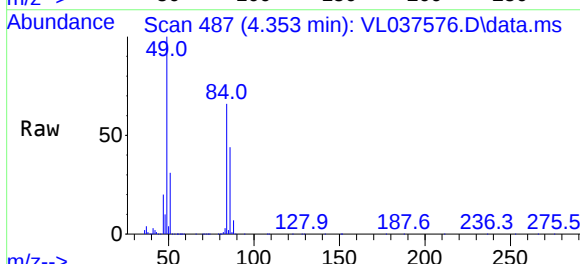
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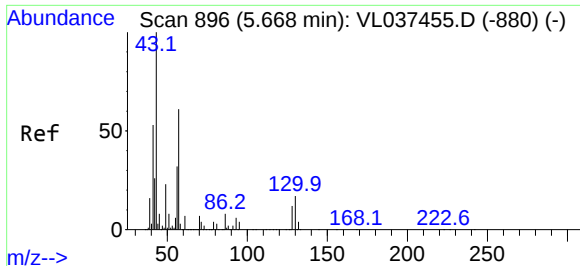
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#20
Methylene Chloride
Concen: 26.892 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.022 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

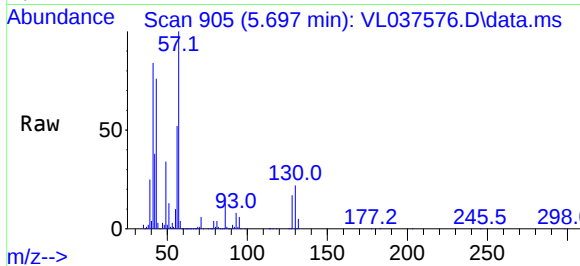
Tgt Ion: 84 Resp: 1669836
Ion Ratio Lower Upper
84 100
49 152.0 118.2 177.2
51 47.4 36.6 55.0
86 67.0 51.8 77.6





#26
Hexane
Concen: 8.738 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.029 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

Instrument :
MSVOA_L
ClientSampleId :
OA-1

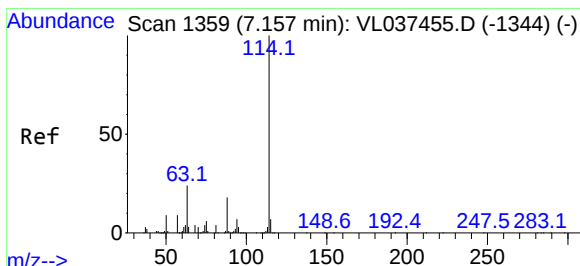
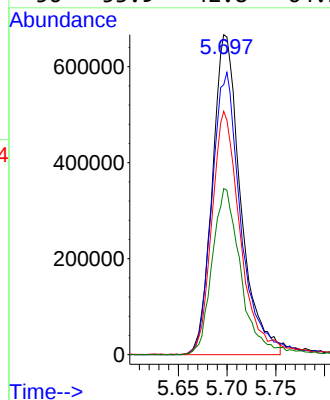
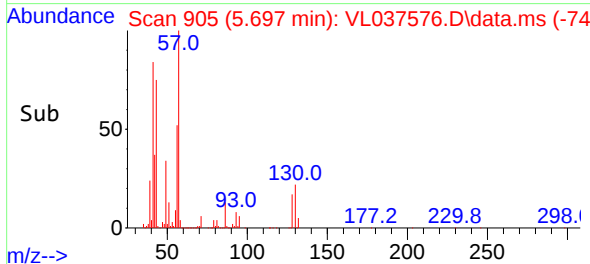


Tgt Ion: 57 Resp: 1345101

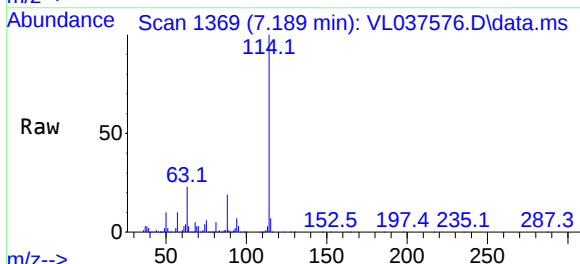
Ion	Ratio	Lower	Upper
57	100		
41	92.3	72.3	108.5
43	79.1	172.3	258.5#
56	53.9	42.8	64.2

Manual Integrations
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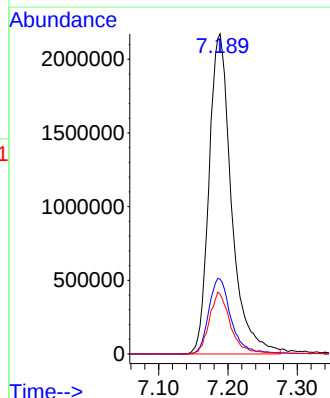
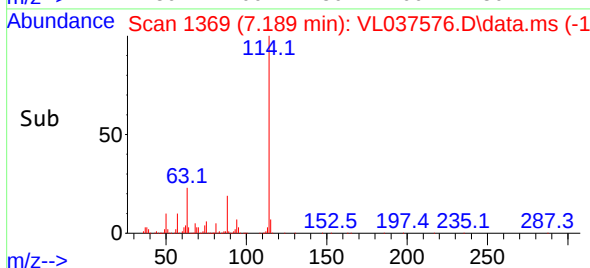


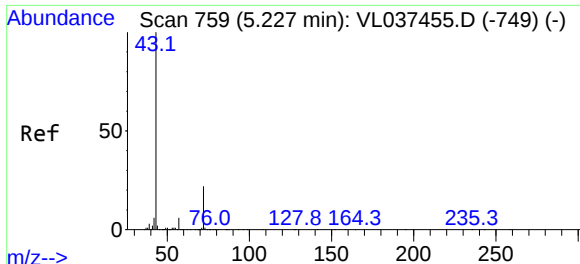
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.189 min Scan# 1369
Delta R.T. 0.032 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44



Tgt Ion: 114 Resp: 4881710

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.3	28.9
88	18.4	14.2	21.4





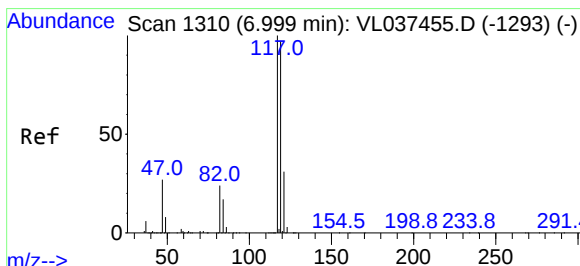
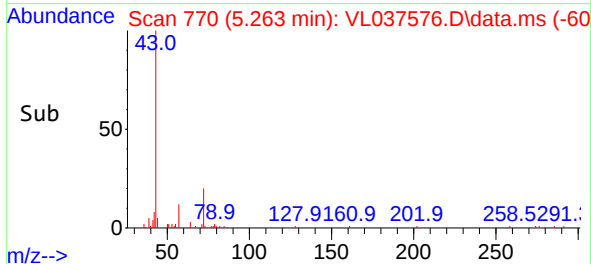
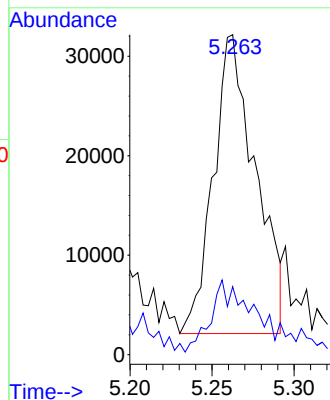
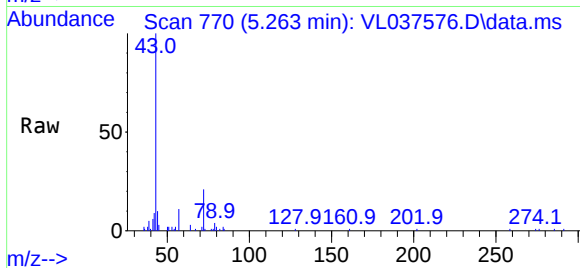
#34
2-Butanone
Concen: 0.269 ppbv
RT: 5.263 min Scan# 770
Delta R.T. 0.035 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

Tgt Ion: 43 Resp: 53671
Ion Ratio Lower Upper
43 100
72 36.0 17.4 26.0#

Instrument :
MSVOA_L
ClientSampled :
OA-1

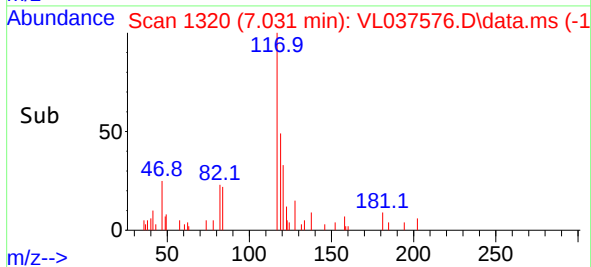
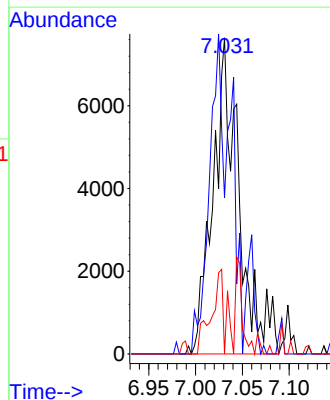
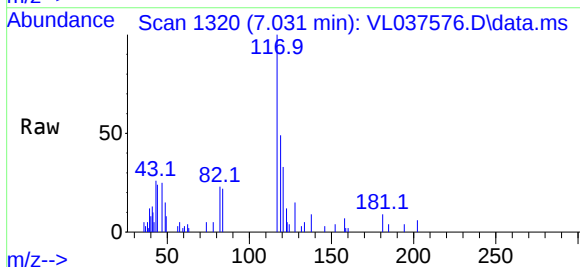
Manual Integrations
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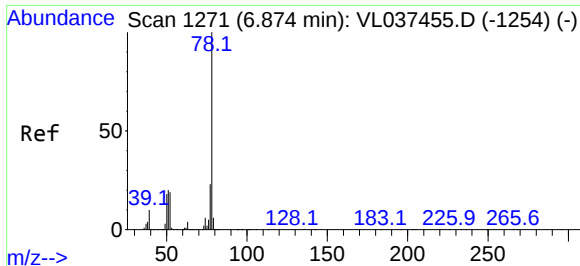
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#35
Carbon Tetrachloride
Concen: 0.051 ppbv m
RT: 7.031 min Scan# 1320
Delta R.T. 0.032 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

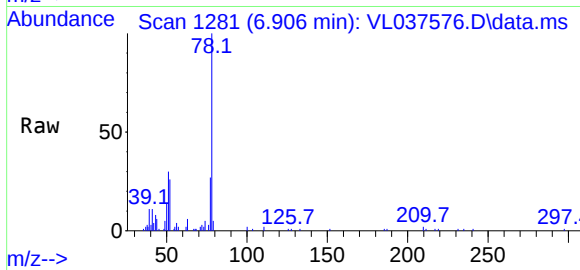
Tgt Ion: 117 Resp: 14773
Ion Ratio Lower Upper
117 100
119 49.4 77.3 115.9#
121 0.0 25.2 37.8#





#36
Benzene
Concen: 0.137 ppbv m
RT: 6.906 min Scan# 1281
Delta R.T. 0.032 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

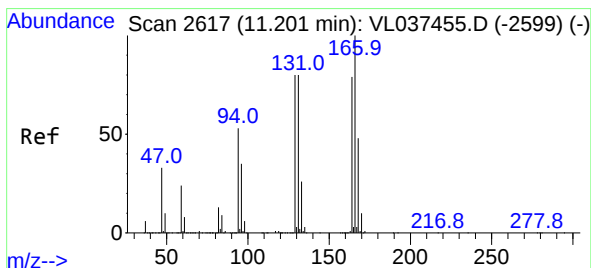
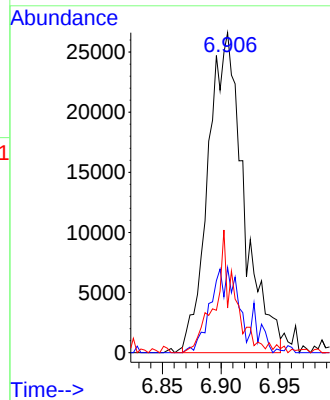
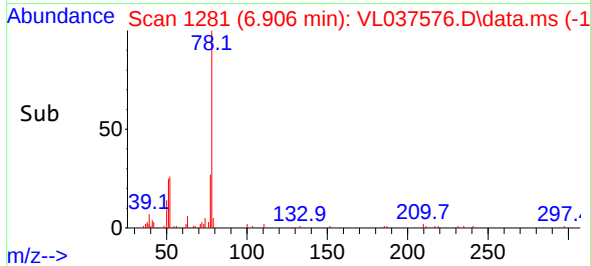
Instrument :
MSVOA_L
ClientSampled :
OA-1



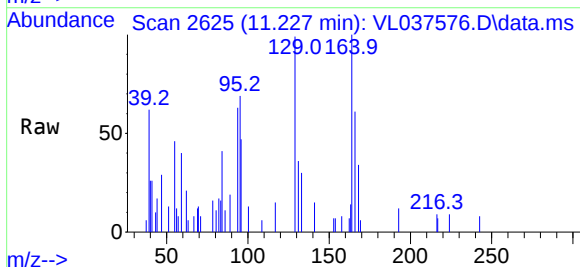
Tgt Ion: 78 Resp: 56098
Ion Ratio Lower Upper
78 100
77 26.6 18.2 27.4
50 14.0 14.6 21.8#

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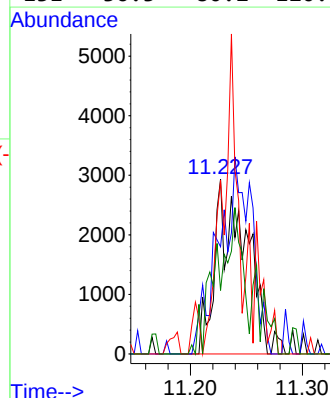
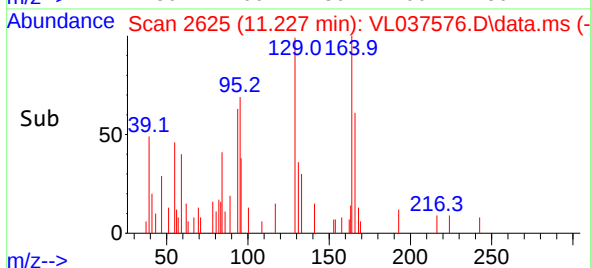
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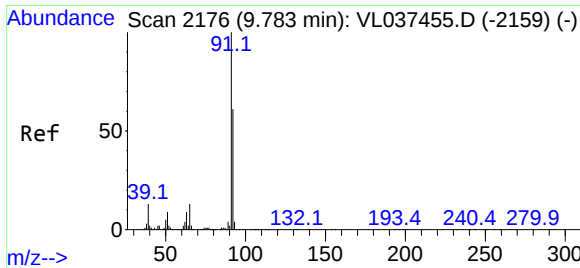


#52
Tetrachloroethene
Concen: 0.034 ppbv m
RT: 11.227 min Scan# 2625
Delta R.T. 0.026 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44



Tgt Ion: 164 Resp: 5686
Ion Ratio Lower Upper
164 100
166 61.3 100.7 151.1#
129 99.2 80.9 121.3
131 36.3 80.2 120.4#





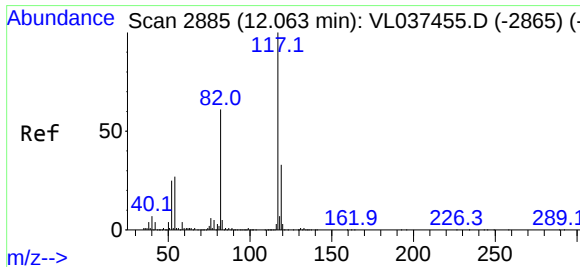
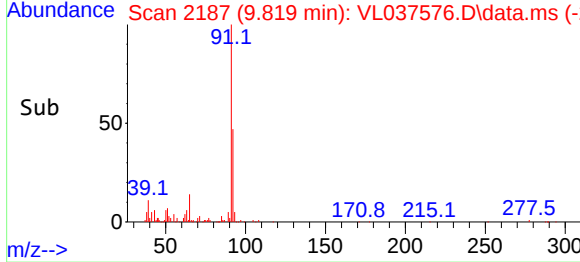
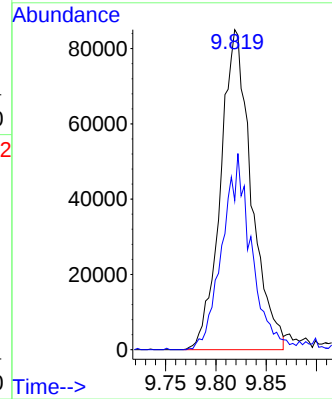
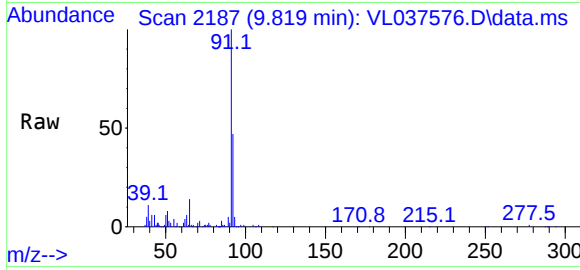
#53
Toluene
Concen: 0.388 ppbv
RT: 9.819 min Scan# 2187
Delta R.T. 0.035 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

Tgt Ion: 91 Resp: 181607
Ion Ratio Lower Upper
91 100
92 59.3 48.8 73.2

Instrument :
MSVOA_L
ClientSampled :
OA-1

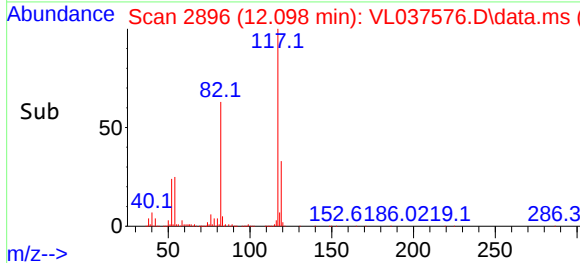
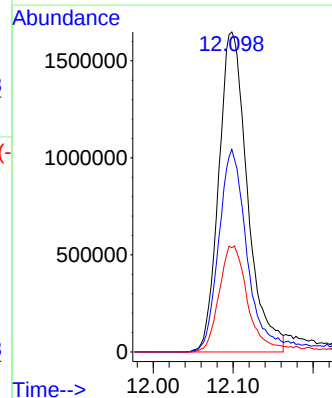
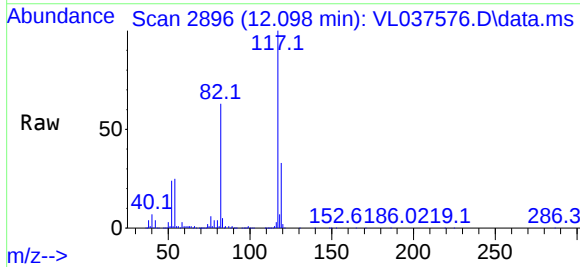
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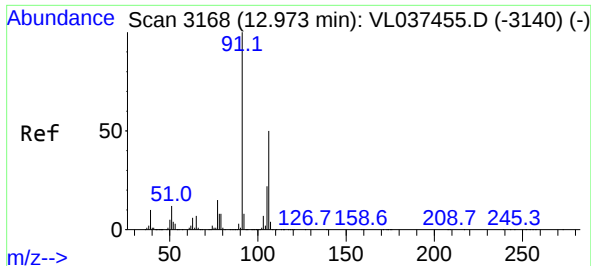
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.098 min Scan# 2896
Delta R.T. 0.035 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

Tgt Ion: 117 Resp: 4103617
Ion Ratio Lower Upper
117 100
82 66.4 52.9 79.3
119 35.0 24.8 37.2





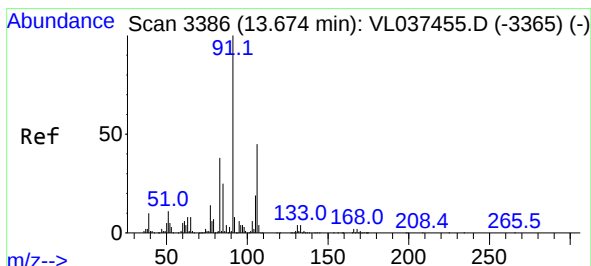
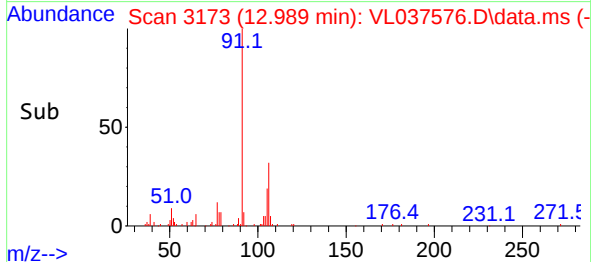
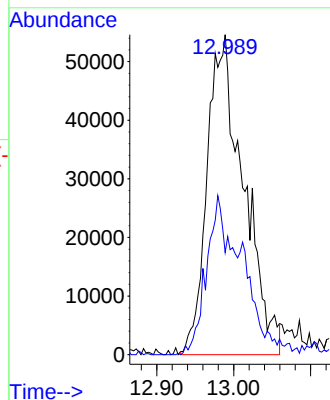
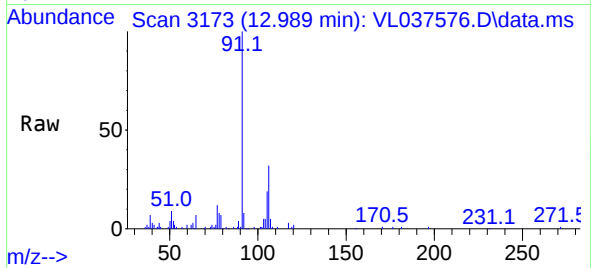
#59
m/p-Xylene
Concen: 0.363 ppbv m
RT: 12.989 min Scan# 3173
Delta R.T. 0.016 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

Tgt Ion: 91 Resp: 179160
Ion Ratio Lower Upper
91 100
106 0.0 36.9 55.3#

Instrument :
MSVOA_L
ClientSampled :
OA-1

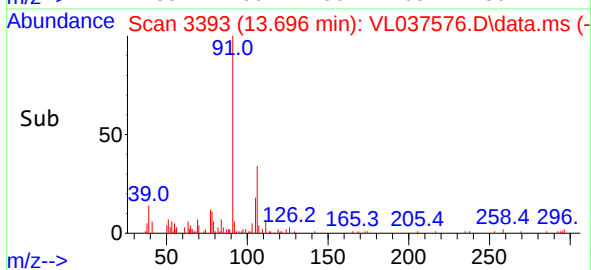
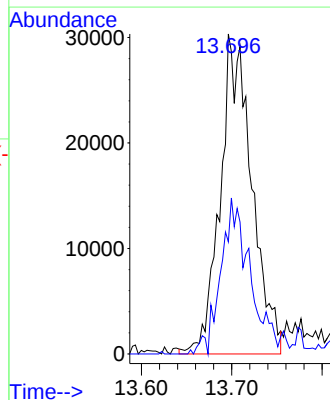
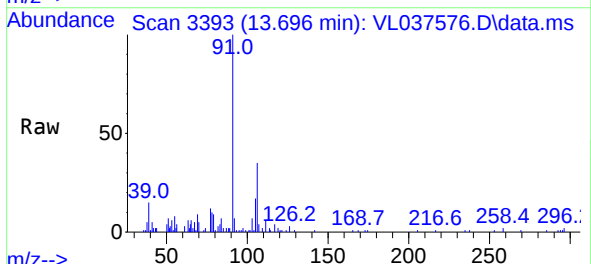
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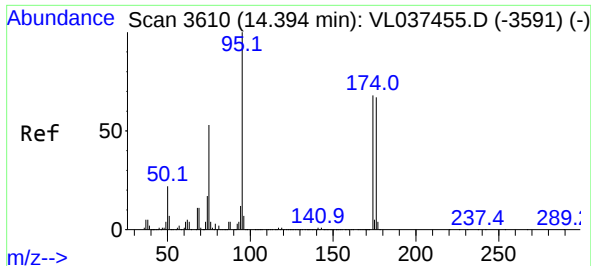
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#60
o-Xylene
Concen: 0.160 ppbv m
RT: 13.696 min Scan# 3393
Delta R.T. 0.022 min
Lab File: VL037576.D
Acq: 8 Sep 2021 17:44

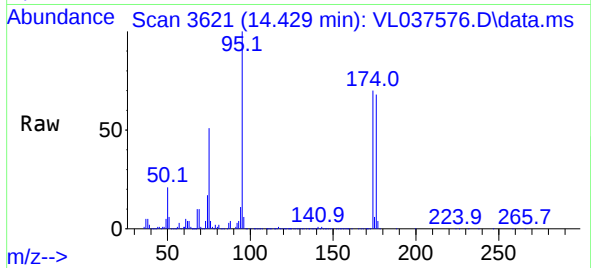
Tgt Ion: 91 Resp: 73669
Ion Ratio Lower Upper
91 100
106 0.0 23.7 71.1#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.101 ppbv
 RT: 14.429 min Scan# 3621
 Delta R.T. 0.035 min
 Lab File: VL037576.D
 Acq: 8 Sep 2021 17:44

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1



Tgt Ion: 95 Resp: 2944799

Ion	Ratio	Lower	Upper
95	100		
174	79.0	59.6	89.4
175	5.4	4.6	7.0

Manual Integrations
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