

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
 Data File : VL037569.D
 Acq On : 8 Sep 2021 13:03
 Operator : SY/AP
 Sample : M3663-06 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL

Manual Integrations
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 9/10/2021 10:52:22 AM

Quant Time: Sep 09 09:11:44 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	1715600	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.182	114	4978546	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.095	117	4477211	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.423	95	3310946	10.409	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.100%
Target Compounds						
						Qvalue
9) Propene	3.031	41	120443	1.025	ppbv	# 70
13) Ethanol	3.610	45	611437m	53.457	ppbv	
15) Acetone	3.854	43	1452615	8.320	ppbv	99
19) Isopropyl Alcohol	3.970	45	1577579	15.771	ppbv	# 96
29) Chloroform	5.761	83	66618	0.217	ppbv	# 81
31) cis-1,2-Dichloroethene	5.558	61	68121m	0.347	ppbv	
34) 2-Butanone	5.256	43	120860	0.594	ppbv	# 82
38) Trichloroethene	7.841	130	51979m	0.303	ppbv	
52) Tetrachloroethene	11.233	164	735348	4.288	ppbv	99
53) Toluene	9.819	91	298202	0.624	ppbv	97
58) Ethyl Benzene	12.719	91	106533m	0.171	ppbv	
59) m/p-Xylene	12.976	91	348548m	0.647	ppbv	
60) o-Xylene	13.703	91	111794	0.222	ppbv	93
69) p-Isopropyltoluene	17.654	119	78612m	0.107	ppbv	
72) 4-Ethyltoluene	15.847	105	63325m	0.106	ppbv	
74) 1,2,4-Trimethylbenzene	16.770	105	147101m	0.249	ppbv	

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

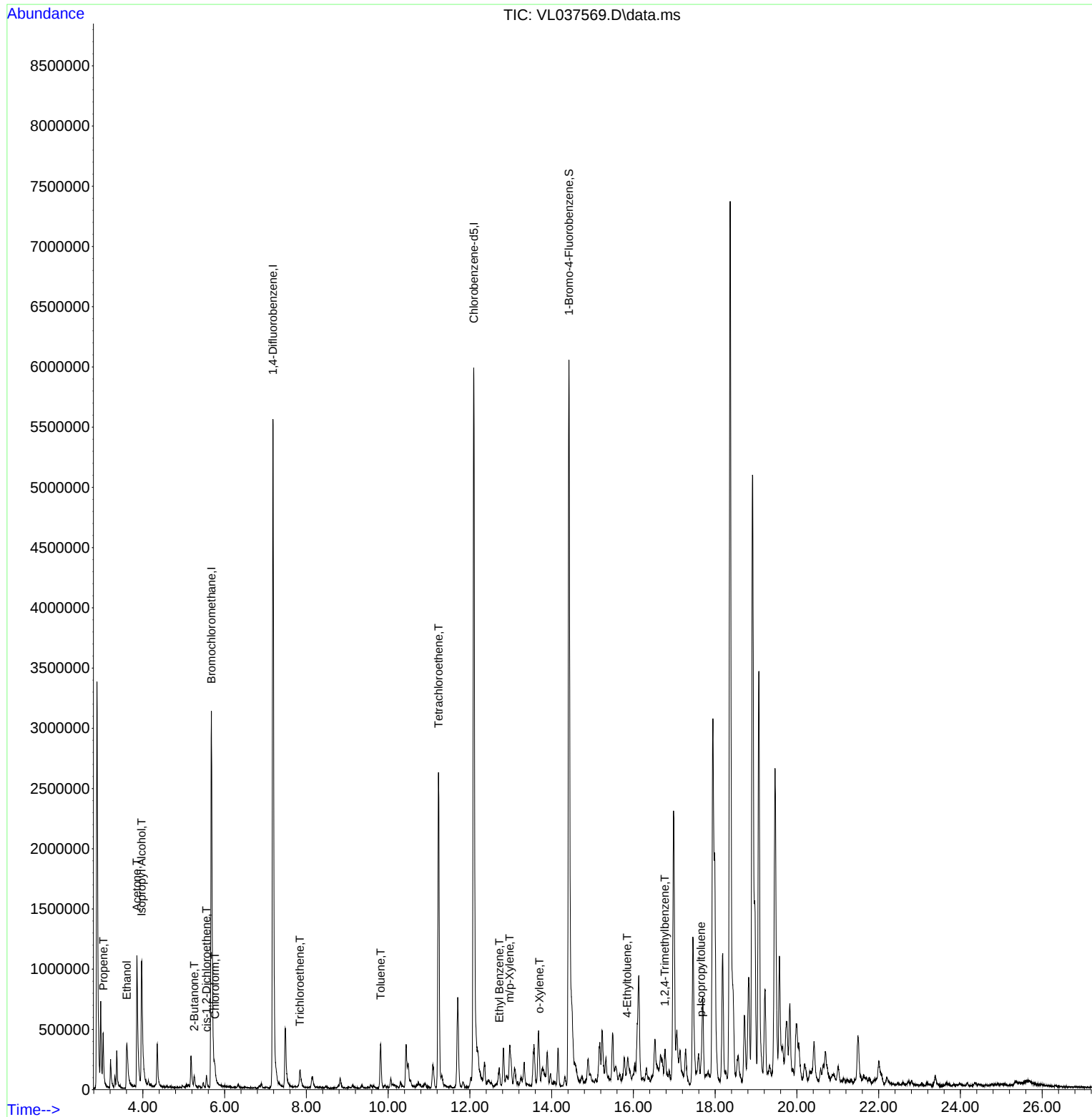
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
Data File : VL037569.D
Acq On : 8 Sep 2021 13:03
Operator : SY/AP
Sample : M3663-06 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

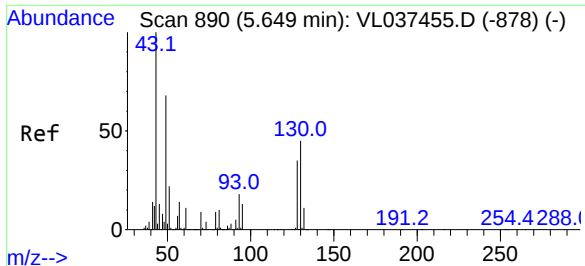
Instrument :
MSVOA_L
ClientSampleId :
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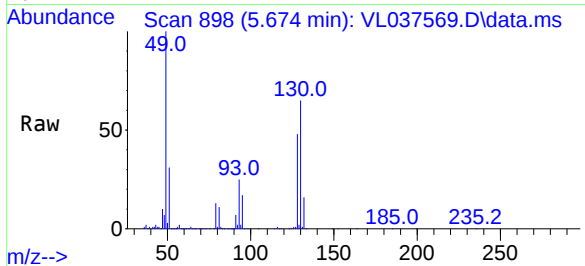
Quant Time: Sep 09 09:11:44 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 898
Delta R.T. 0.026 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03

Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

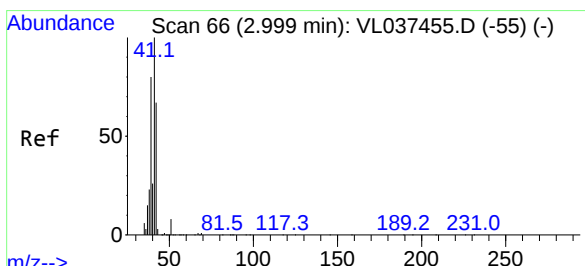
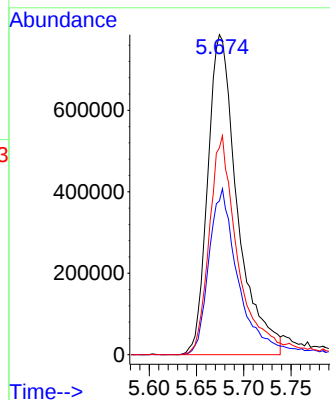
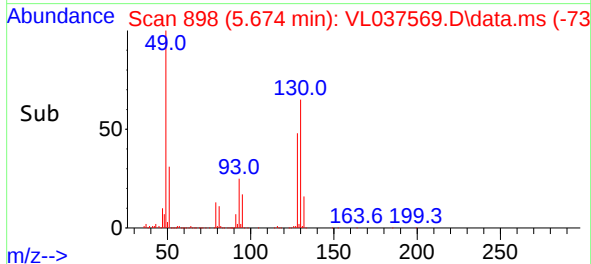


Tgt Ion: 49 Resp: 1715600

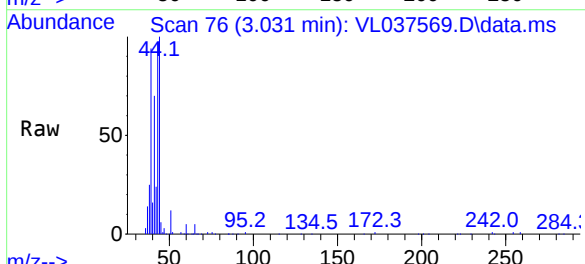
Ion	Ratio	Lower	Upper
49	100		
128	53.8	27.5	82.4
130	69.9	34.0	101.8

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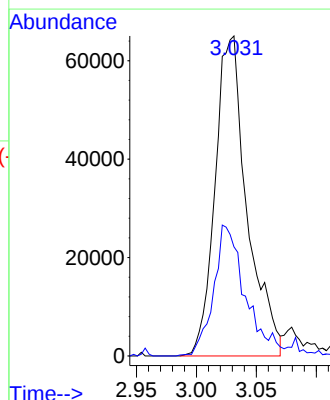
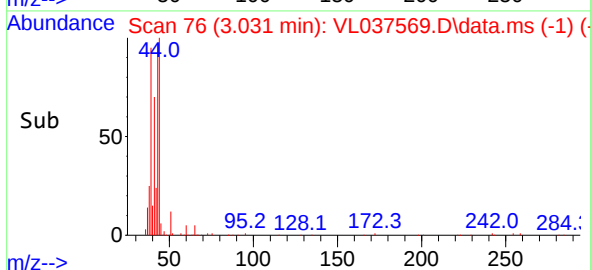


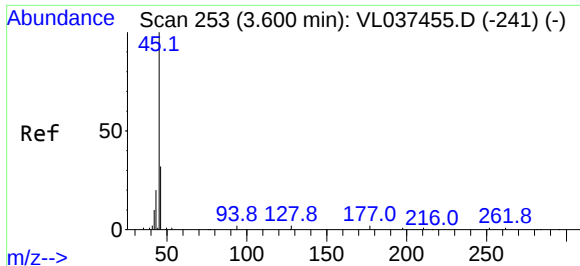
#9
Propene
Concen: 1.025 ppbv
RT: 3.031 min Scan# 76
Delta R.T. 0.032 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03



Tgt Ion: 41 Resp: 120443

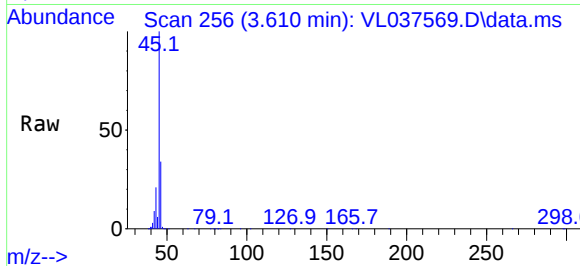
Ion	Ratio	Lower	Upper
41	100		
42	43.2	53.7	80.5





#13
Ethanol
Concen: 53.457 ppbv m
RT: 3.610 min Scan# 256
Delta R.T. 0.010 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03

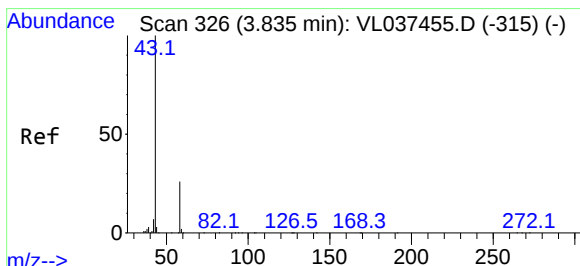
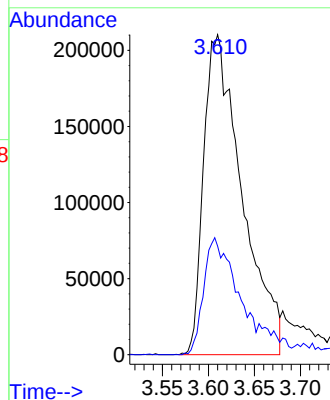
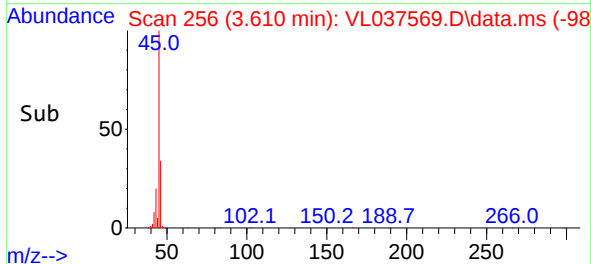
Instrument :
MSVOA_L
ClientSampled :
SV-3DL



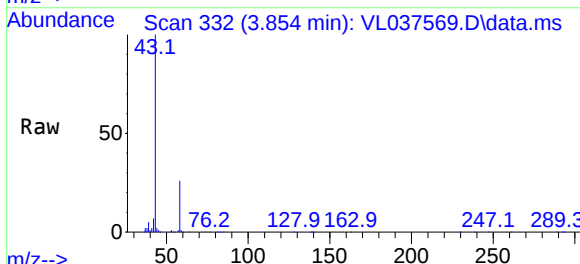
Tgt Ion: 45 Resp: 611437
Ion Ratio Lower Upper
45 100
46 0.0 14.1 56.5#

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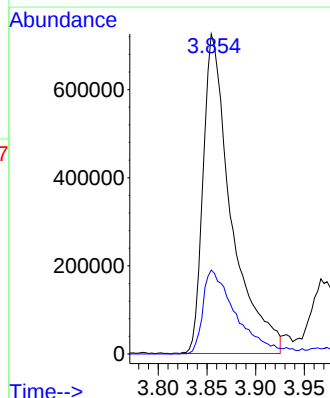
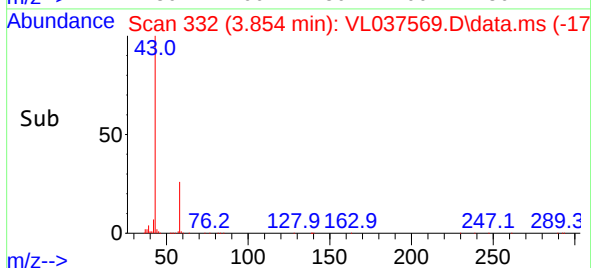
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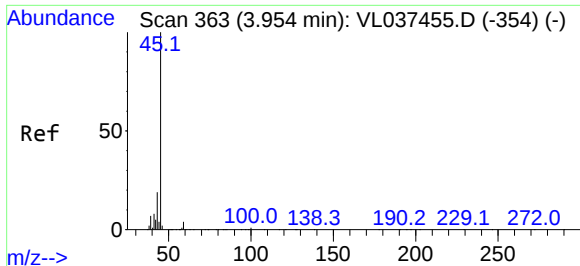


#15
Acetone
Concen: 8.320 ppbv
RT: 3.854 min Scan# 332
Delta R.T. 0.019 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03



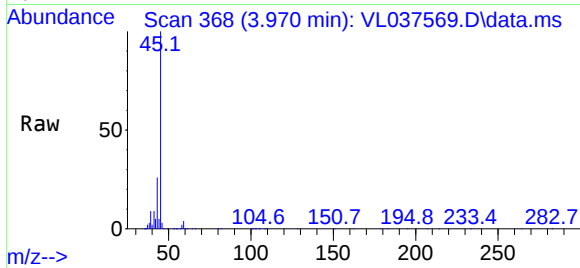
Tgt Ion: 43 Resp: 1452615
Ion Ratio Lower Upper
43 100
58 31.5 24.8 37.2





#19
Isopropyl Alcohol
Concen: 15.771 ppbv
RT: 3.970 min Scan# 368
Delta R.T. 0.016 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03

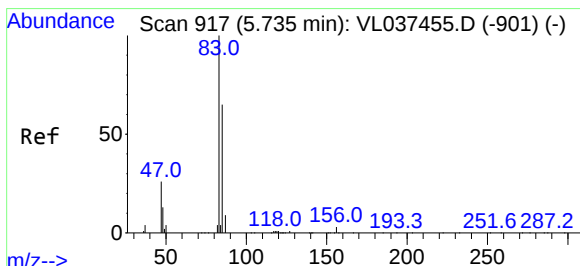
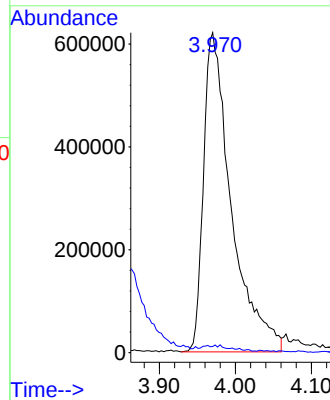
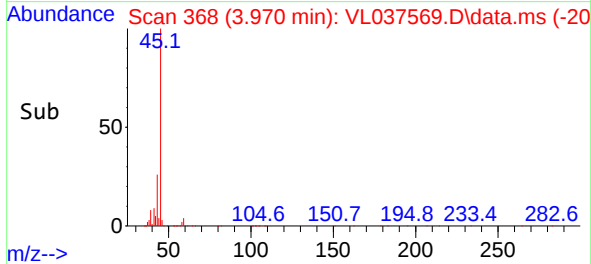
Instrument :
MSVOA_L
ClientSampled :
SV-3DL



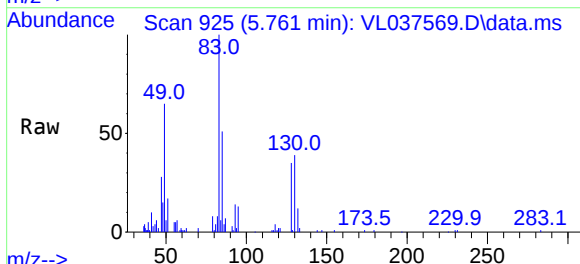
Tgt Ion: 45 Resp: 1577579
Ion Ratio Lower Upper
45 100
58 3.2 1.4 2.2#

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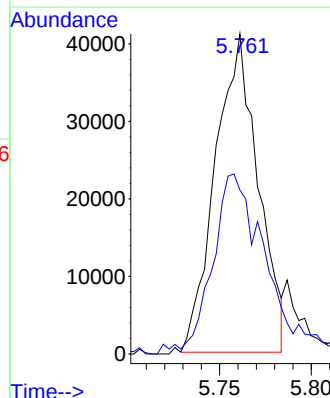
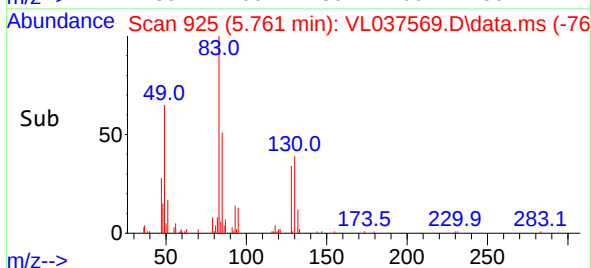
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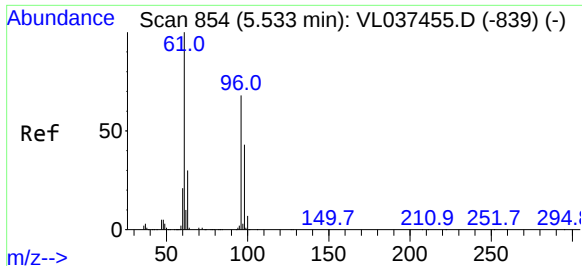


#29
Chloroform
Concen: 0.217 ppbv
RT: 5.761 min Scan# 925
Delta R.T. 0.026 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03



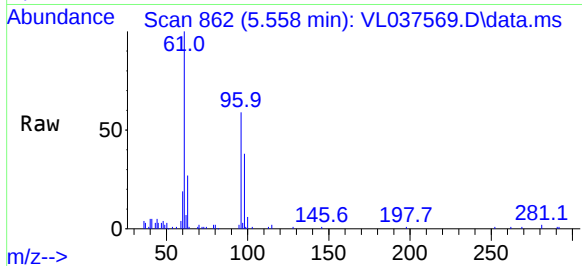
Tgt Ion: 83 Resp: 66618
Ion Ratio Lower Upper
83 100
85 50.0 52.3 78.5#





#31
cis-1,2-Dichloroethene
Concen: 0.347 ppbv m
RT: 5.558 min Scan# 862
Delta R.T. 0.026 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03

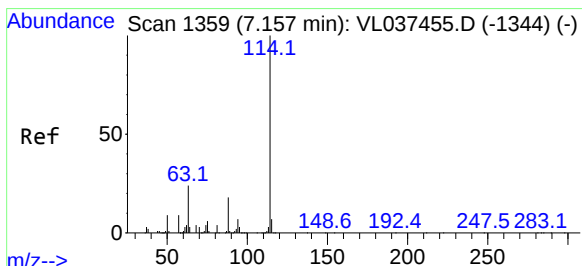
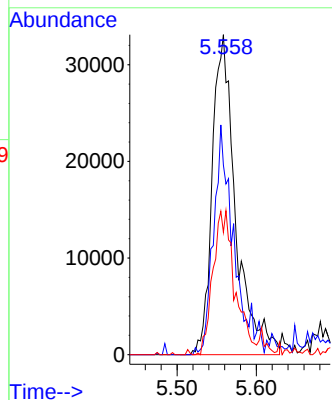
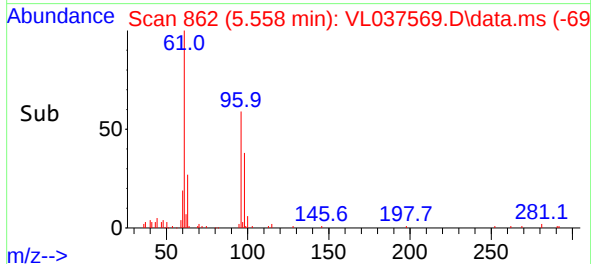
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL



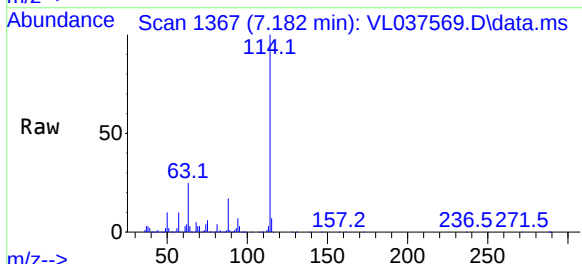
Tgt Ion: 61 Resp: 68121
Ion Ratio Lower Upper
61 100
96 59.2 54.8 82.2
98 38.2 34.2 51.2

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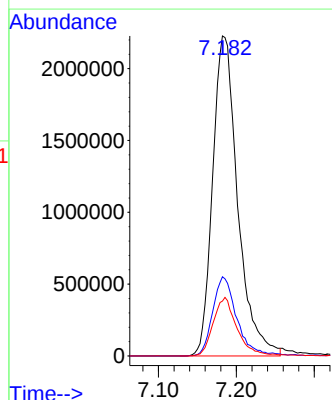
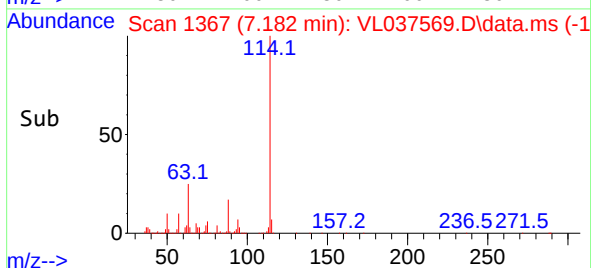
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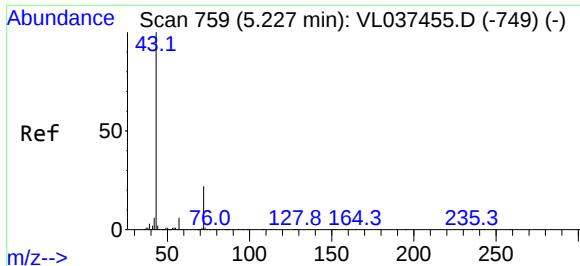


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 1367
Delta R.T. 0.026 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03



Tgt Ion: 114 Resp: 4978546
Ion Ratio Lower Upper
114 100
63 24.2 19.3 28.9
88 17.7 14.2 21.4





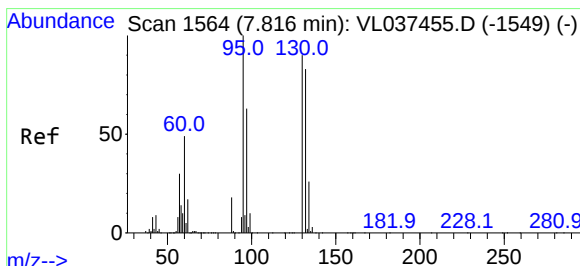
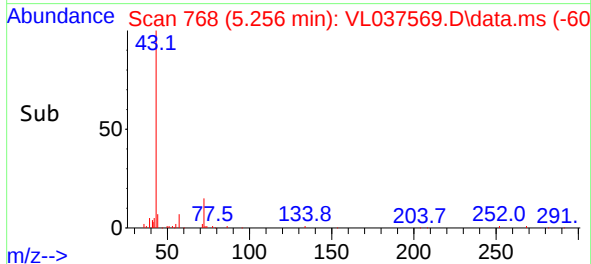
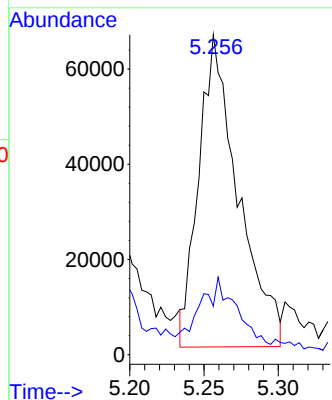
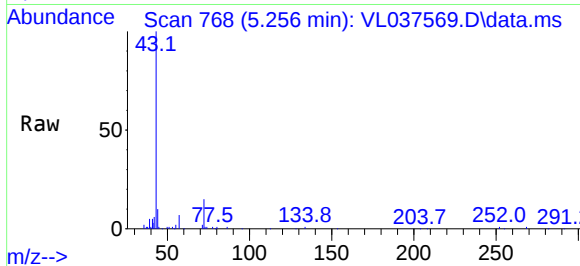
#34
2-Butanone
Concen: 0.594 ppbv
RT: 5.256 min Scan# 768
Delta R.T. 0.029 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03

Tgt Ion: 43 Resp: 120860
Ion Ratio Lower Upper
43 100
72 30.4 17.4 26.0#

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

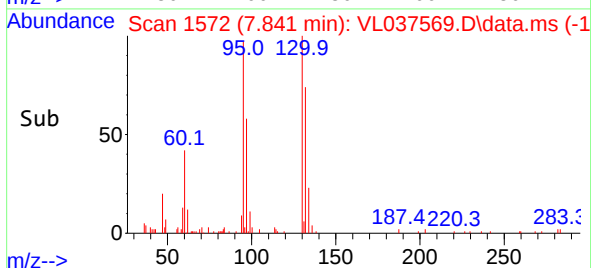
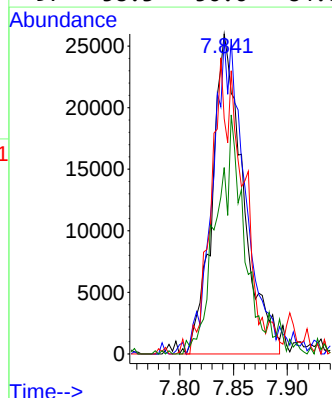
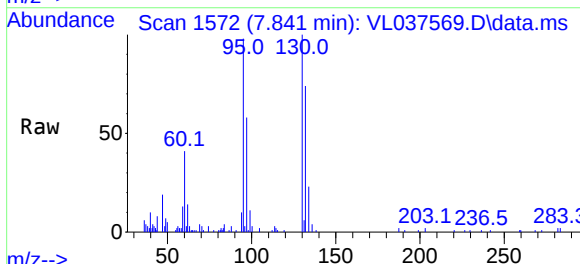
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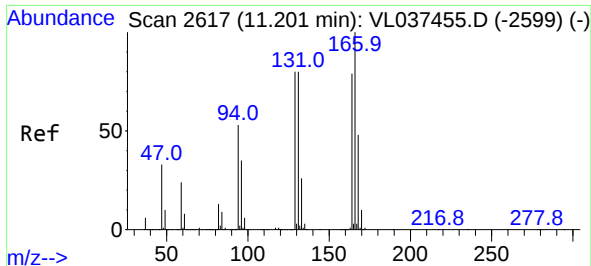
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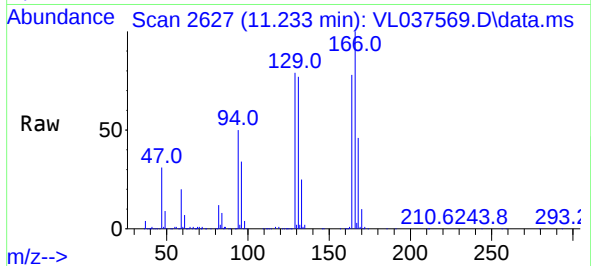
#38
Trichloroethene
Concen: 0.303 ppbv m
RT: 7.841 min Scan# 1572
Delta R.T. 0.026 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03

Tgt Ion: 130 Resp: 51979
Ion Ratio Lower Upper
130 100
95 98.4 89.2 133.8
132 73.6 74.0 111.0#
97 58.3 56.6 84.8

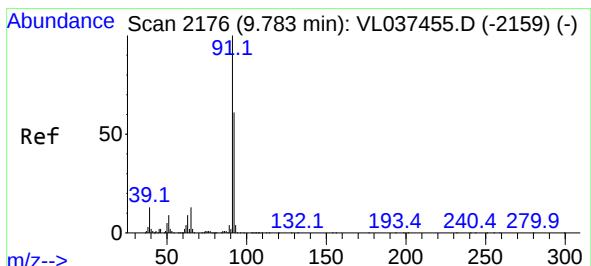
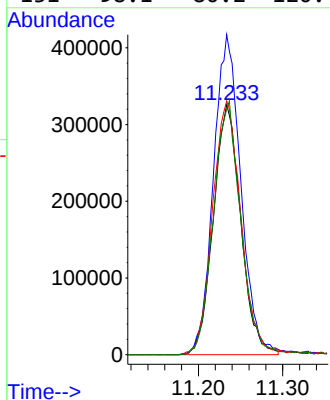
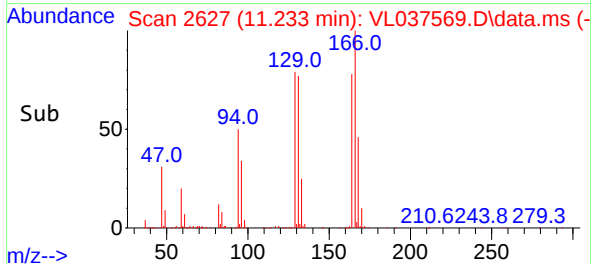




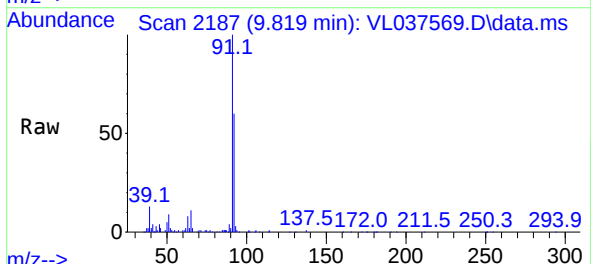
#52
Tetrachloroethene
Concen: 4.288 ppbv
RT: 11.233 min Scan# 2627
Delta R.T. 0.032 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03



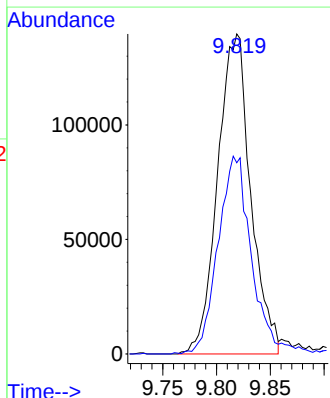
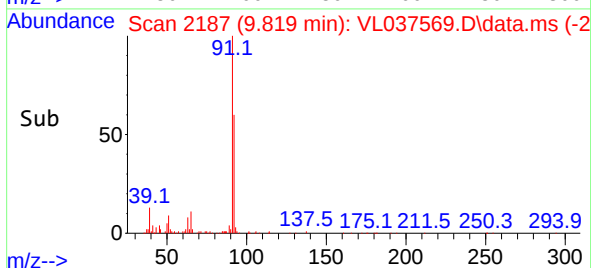
Tgt Ion:164 Resp: 735348
Ion Ratio Lower Upper
164 100
166 128.0 100.7 151.1
129 101.4 80.9 121.3
131 98.1 80.2 120.4



#53
Toluene
Concen: 0.624 ppbv
RT: 9.819 min Scan# 2187
Delta R.T. 0.035 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03



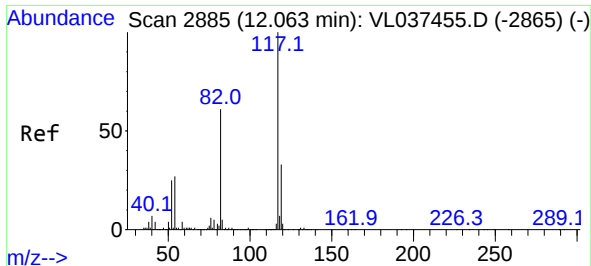
Tgt Ion: 91 Resp: 298202
Ion Ratio Lower Upper
91 100
92 63.1 48.8 73.2



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SV-3DL

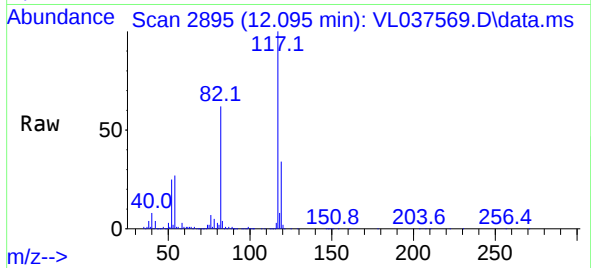
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.095 min Scan# 2895
Delta R.T. 0.032 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

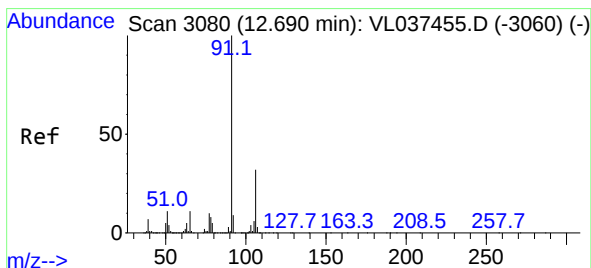
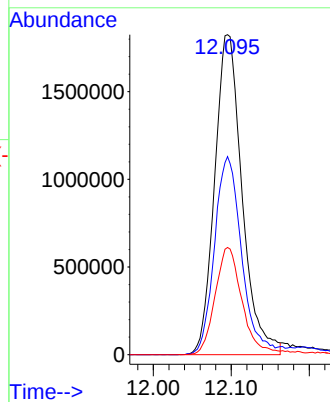
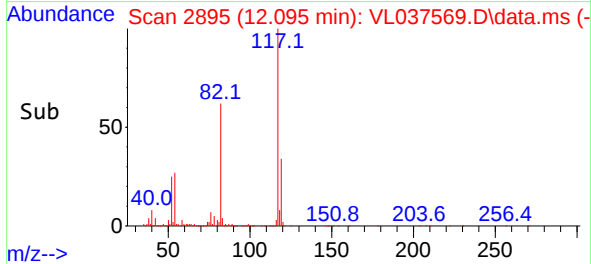


Tgt Ion:117 Resp: 4477211

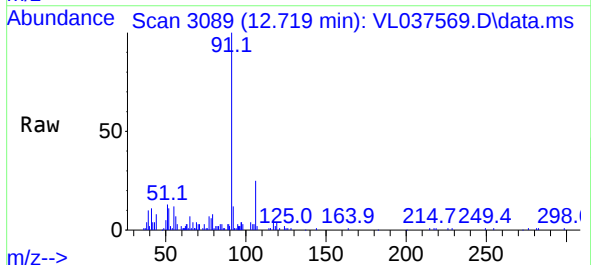
Ion	Ratio	Lower	Upper
117	100		
82	62.4	52.9	79.3
119	33.6	24.8	37.2

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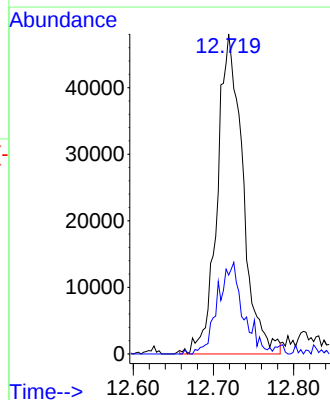
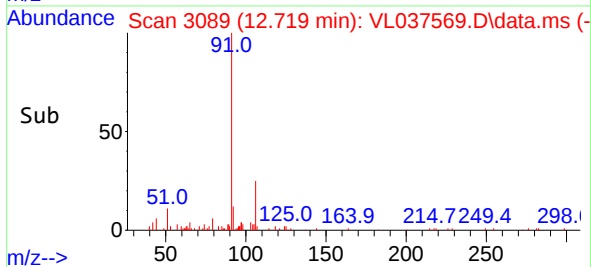


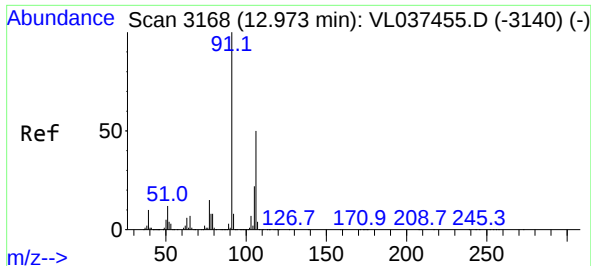
#58
Ethyl Benzene
Concen: 0.171 ppbv m
RT: 12.719 min Scan# 3089
Delta R.T. 0.029 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03



Tgt Ion: 91 Resp: 106533

Ion	Ratio	Lower	Upper
91	100		
106	24.6	25.7	38.5#





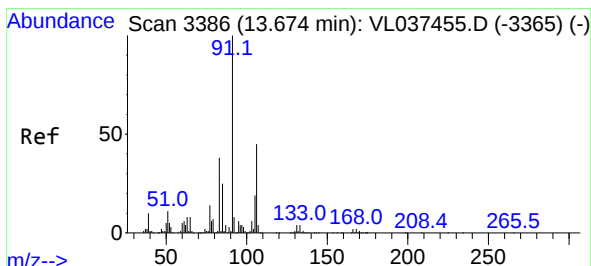
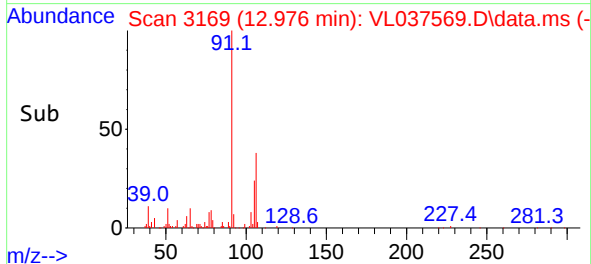
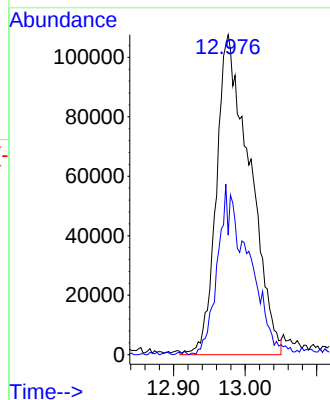
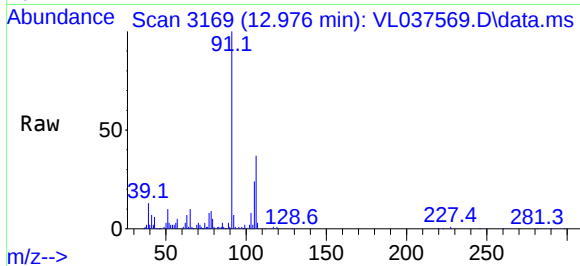
#59
m/p-Xylene
Concen: 0.647 ppbv m
RT: 12.976 min Scan# 3169
Delta R.T. 0.003 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03

Tgt Ion: 91 Resp: 348548
Ion Ratio Lower Upper
91 100
106 0.0 36.9 55.3#

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

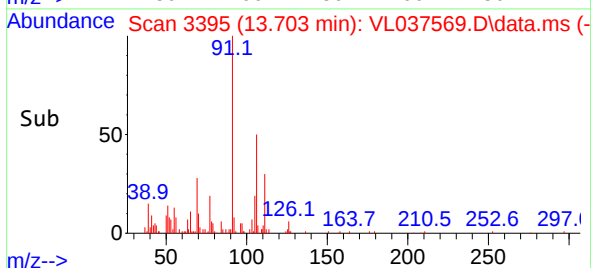
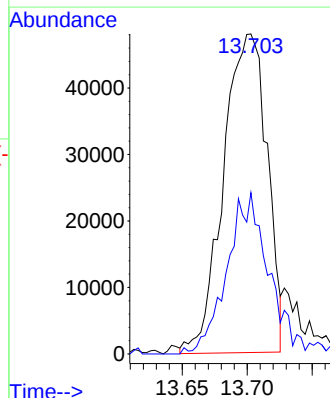
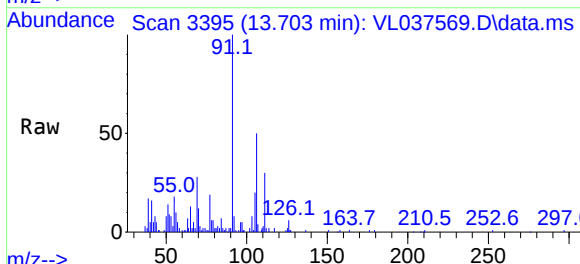
Manual Integrations
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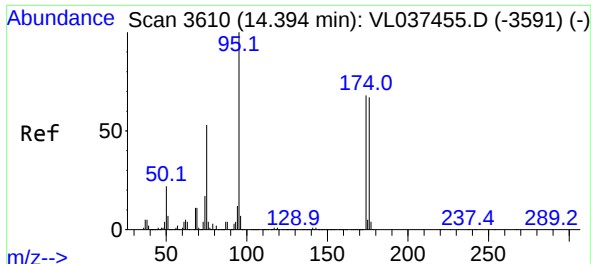
MMDadoda
9/10/2021 10:52:22 AM



#60
o-Xylene
Concen: 0.222 ppbv
RT: 13.703 min Scan# 3395
Delta R.T. 0.029 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03

Tgt Ion: 91 Resp: 111794
Ion Ratio Lower Upper
91 100
106 51.8 23.7 71.1





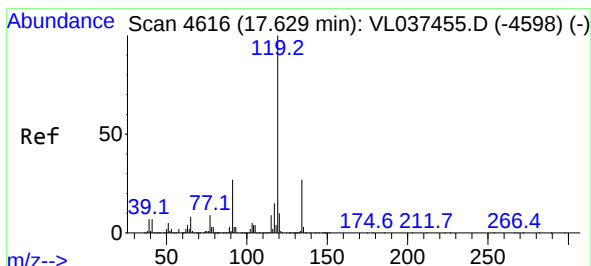
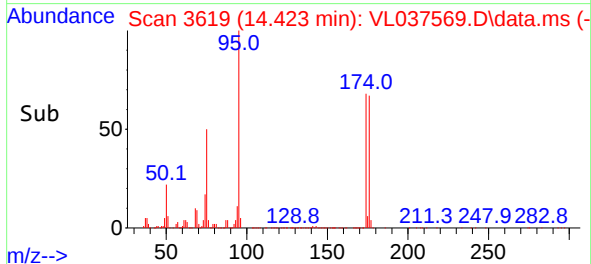
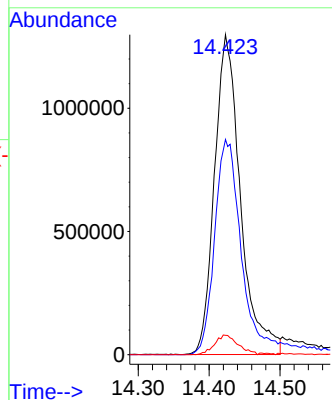
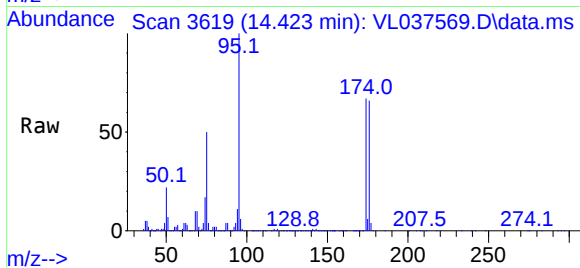
#68
1-Bromo-4-Fluorobenzene
Concen: 10.409 ppbv
RT: 14.423 min Scan# 3619
Delta R.T. 0.029 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

Tgt Ion: 95 Resp: 3310946
Ion Ratio Lower Upper
95 100
174 74.4 59.6 89.4
175 6.1 4.6 7.0

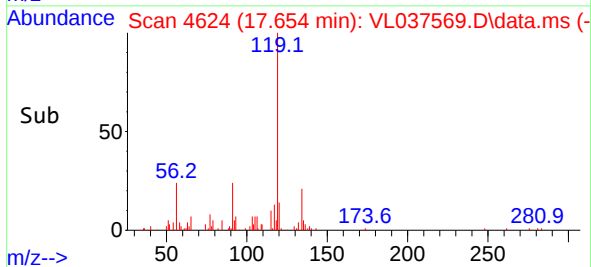
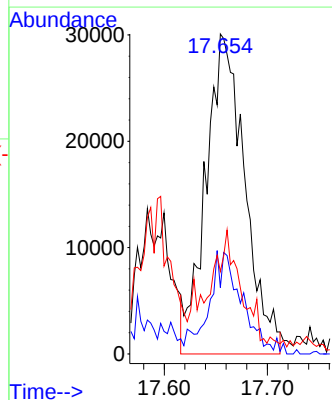
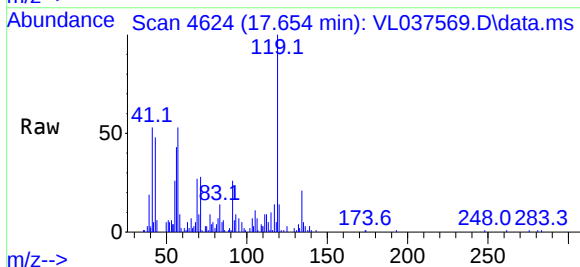
Manual Integrations
APPROVED

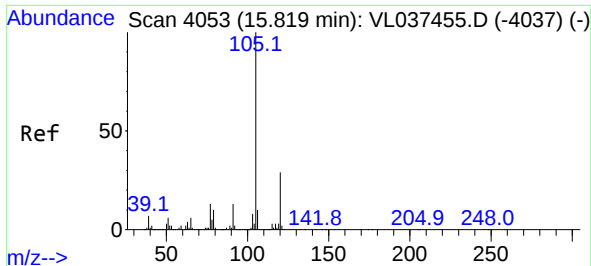
MMDadoda
9/10/2021 10:52:22 AM



#69
p-Isopropyltoluene
Concen: 0.107 ppbv m
RT: 17.654 min Scan# 4624
Delta R.T. 0.026 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03

Tgt Ion: 119 Resp: 78612
Ion Ratio Lower Upper
119 100
134 0.0 21.1 31.7#
91 0.0 22.4 33.6#





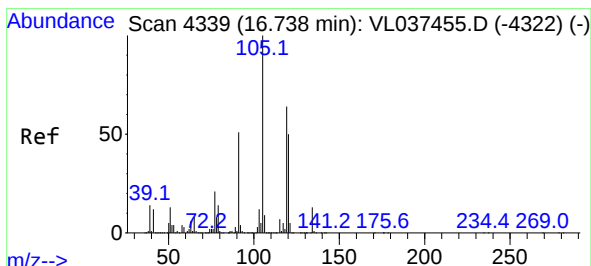
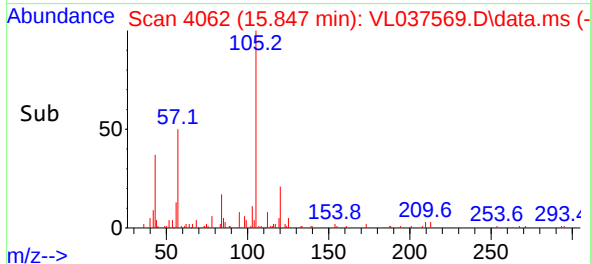
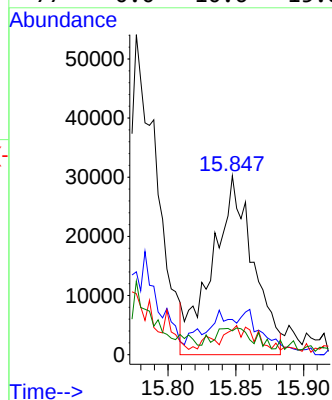
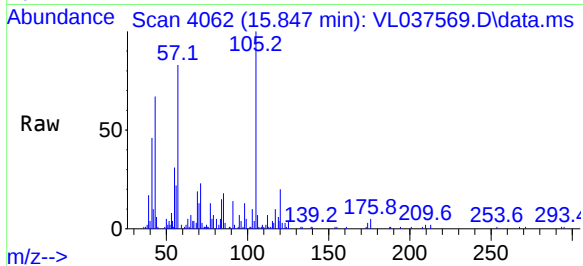
#72
4-Ethyltoluene
Concen: 0.106 ppbv m
RT: 15.847 min Scan# 4062
Delta R.T. 0.029 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03

Tgt Ion:	105	Resp:	63325
Ion Ratio	Lower	Upper	
105	100		
120	33.1	24.7	37.1
91	0.0	9.8	14.8#
77	0.0	10.6	15.8#

Instrument :
MSVOA_L
ClientSampled :
SV-3DL

Manual Integrations
APPROVED

MMDadoda
9/10/2021 10:52:22 AM



#74
1,2,4-Trimethylbenzene
Concen: 0.249 ppbv m
RT: 16.770 min Scan# 4349
Delta R.T. 0.032 min
Lab File: VL037569.D
Acq: 8 Sep 2021 13:03

Tgt Ion:	105	Resp:	147101
Ion Ratio	Lower	Upper	
105	100		
120	41.5	40.4	60.6
91	12.2	44.6	67.0#
77	14.9	17.8	26.6#

