

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
 Data File : VL037590.D
 Acq On : 9 Sep 2021 3:17
 Operator : SY/AP
 Sample : M3663-07DL 40X
 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 10:53:41 AM

Quant Time: Sep 09 09:16:31 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	1545935	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.185	114	4618590	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.098	117	4047073	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.429	95	2854084	9.926	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%
Target Compounds						
13) Ethanol	3.636	45	24595m	2.386	ppbv	Qvalue
15) Acetone	3.870	43	356798	2.268	ppbv #	79
26) Hexane	5.697	57	62821	0.322	ppbv #	43
29) Chloroform	5.764	83	173485	0.627	ppbv	96
31) cis-1,2-Dichloroethene	5.558	61	261615m	1.480	ppbv	
38) Trichloroethene	7.844	130	220293m	1.383	ppbv	
52) Tetrachloroethene	11.240	164	2808393	17.652	ppbv	98
53) Toluene	9.822	91	88416m	0.199	ppbv	
59) m/p-Xylene	12.983	91	110459m	0.227	ppbv	
74) 1,2,4-Trimethylbenzene	16.777	105	68718	0.129	ppbv #	63

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

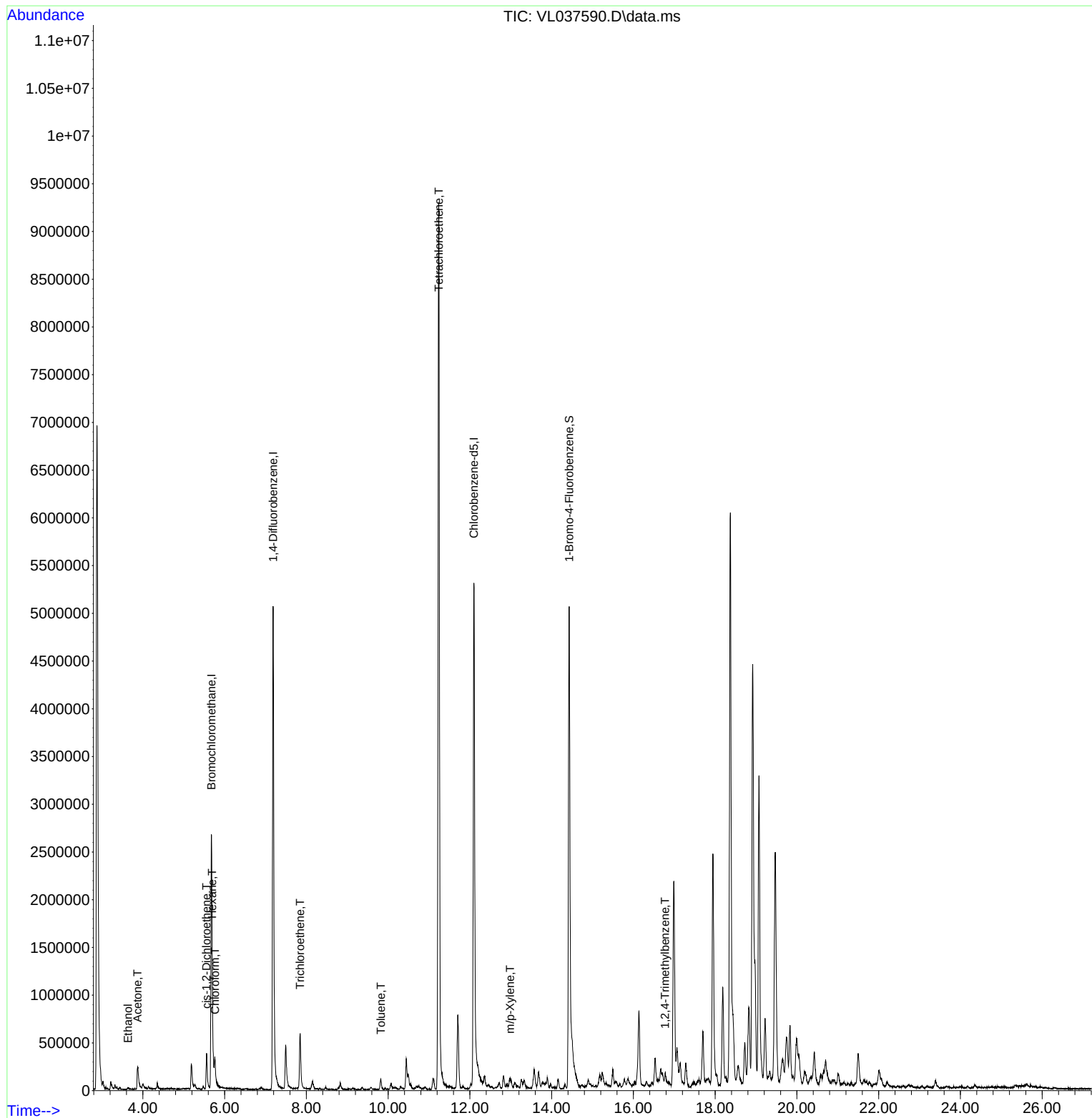
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
Data File : VL037590.D
Acq On : 9 Sep 2021 3:17
Operator : SY/AP
Sample : M3663-07DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

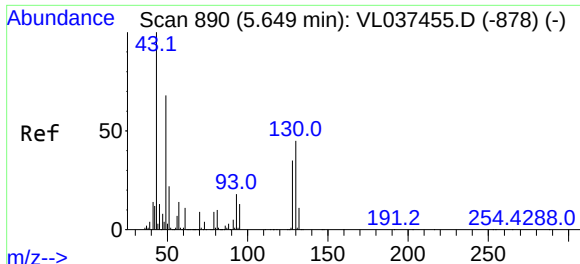
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

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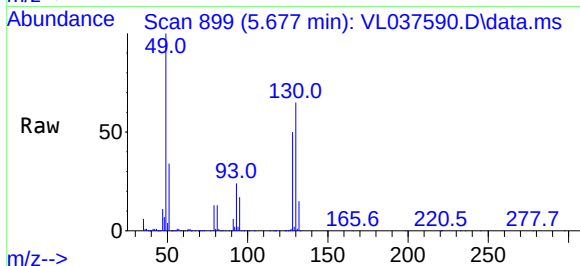
Quant Time: Sep 09 09:16:31 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.677 min Scan# 899
Delta R.T. 0.029 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17

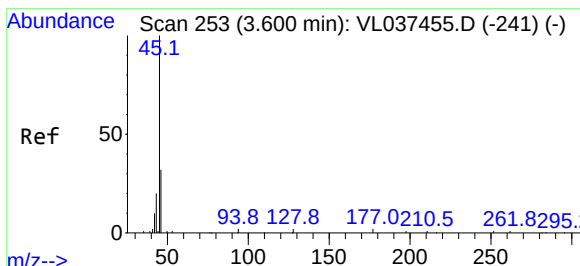
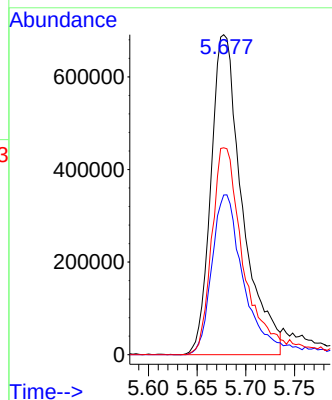
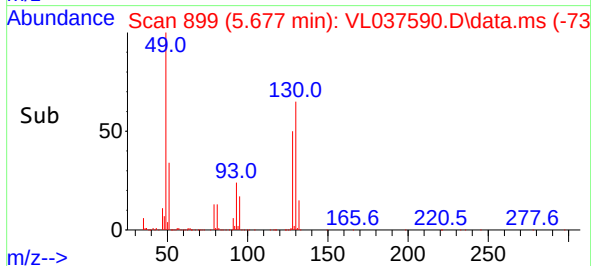
Instrument :
MSVOA_L
ClientSampled :
SV-4DL



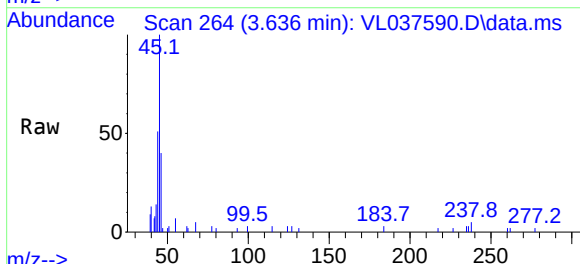
Tgt Ion: 49 Resp: 1545935
Ion Ratio Lower Upper
49 100
128 53.8 27.5 82.4
130 70.5 34.0 101.8

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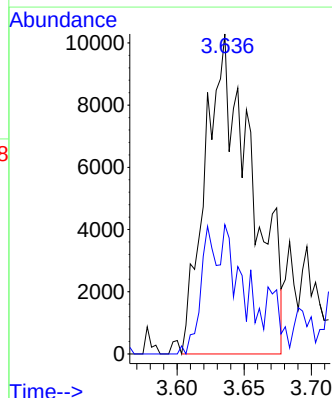
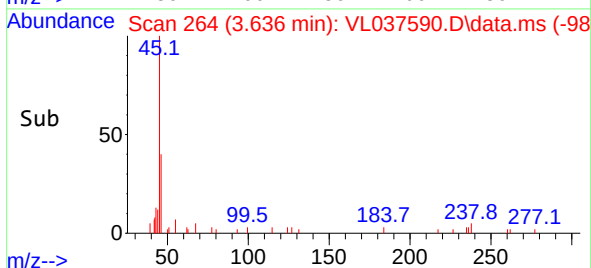
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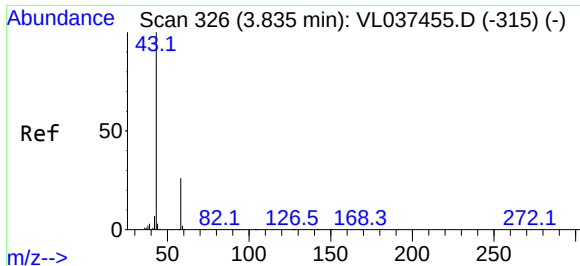


#13
Ethanol
Concen: 2.386 ppbv m
RT: 3.636 min Scan# 264
Delta R.T. 0.035 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17



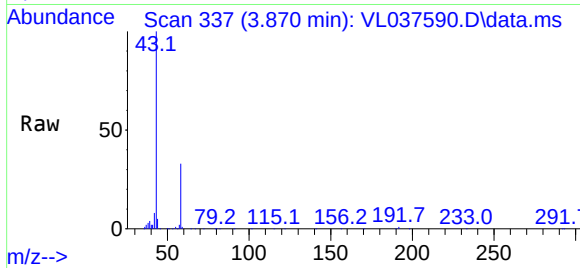
Tgt Ion: 45 Resp: 24595
Ion Ratio Lower Upper
45 100
46 0.0 14.1 56.5#





#15
Acetone
Concen: 2.268 ppbv
RT: 3.870 min Scan# 337
Delta R.T. 0.035 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17

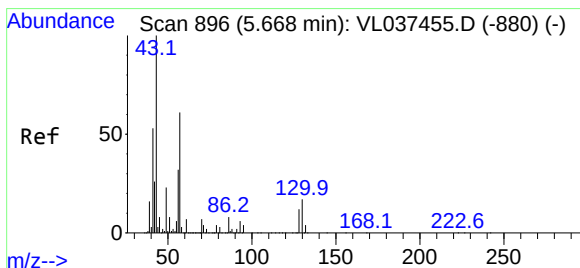
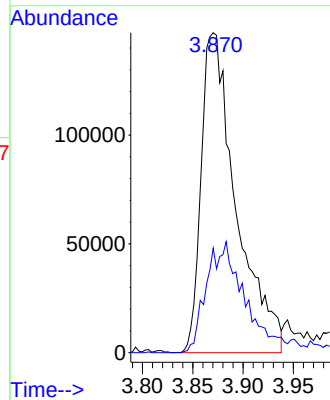
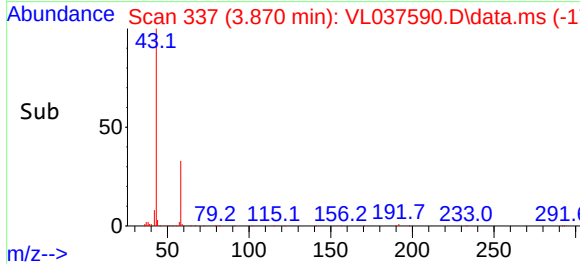
Instrument :
MSVOA_L
ClientSampled :
SV-4DL



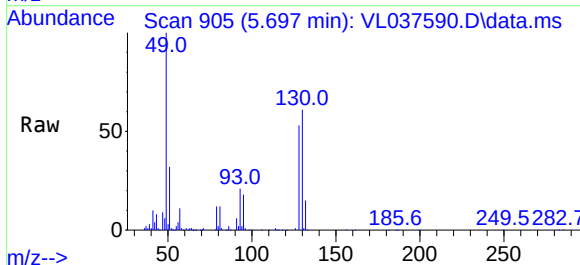
Tgt Ion: 43 Resp: 356798
Ion Ratio Lower Upper
43 100
58 42.3 24.8 37.2#

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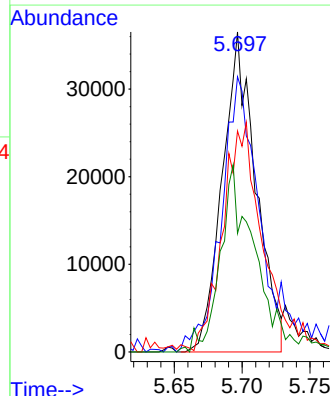
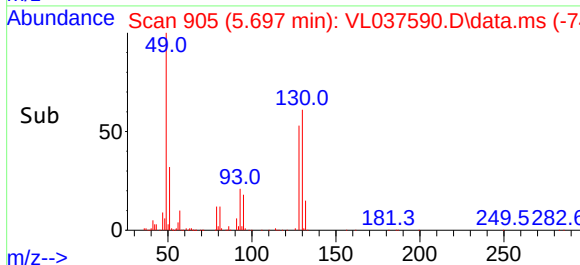
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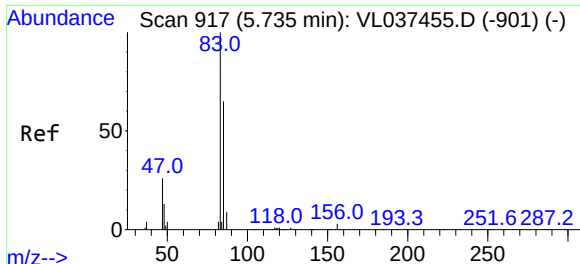


#26
Hexane
Concen: 0.322 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.029 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17



Tgt Ion: 57 Resp: 62821
Ion Ratio Lower Upper
57 100
41 106.9 72.3 108.5
43 82.8 172.3 258.5#
56 63.9 42.8 64.2





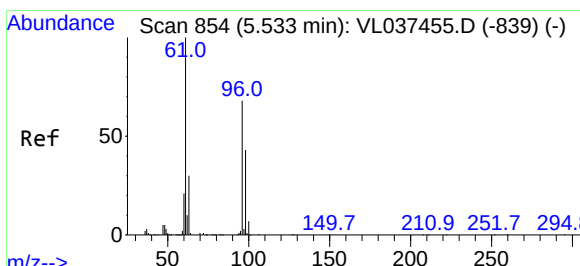
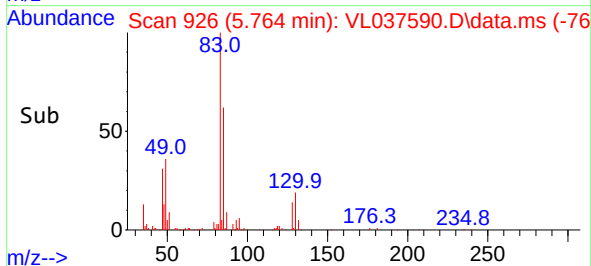
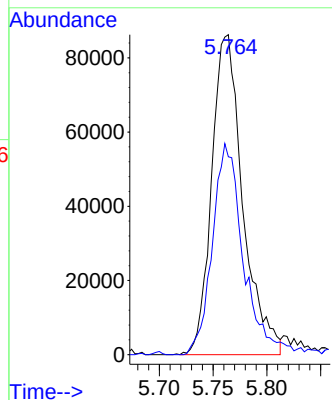
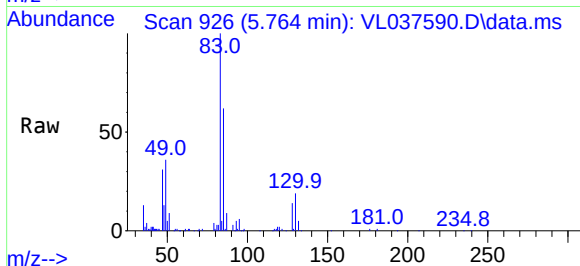
#29
Chloroform
Concen: 0.627 ppbv
RT: 5.764 min Scan# 926
Delta R.T. 0.029 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17

Instrument :
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ClientSampled :
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Tgt Ion: 83 Resp: 173485
Ion Ratio Lower Upper
83 100
85 61.9 52.3 78.5

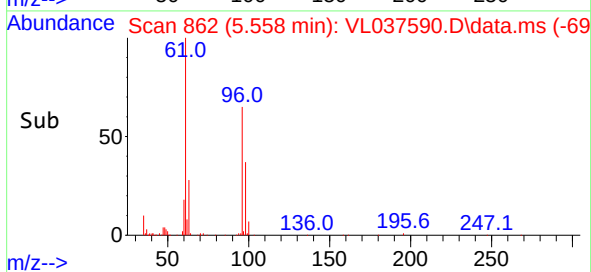
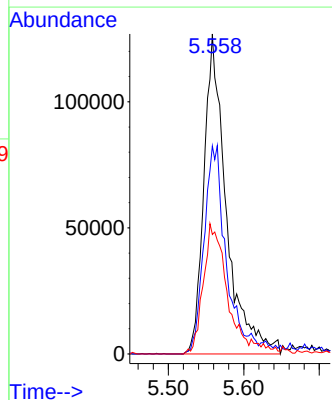
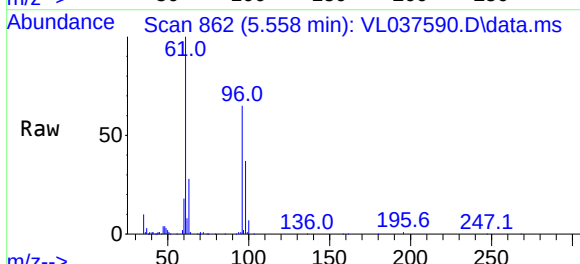
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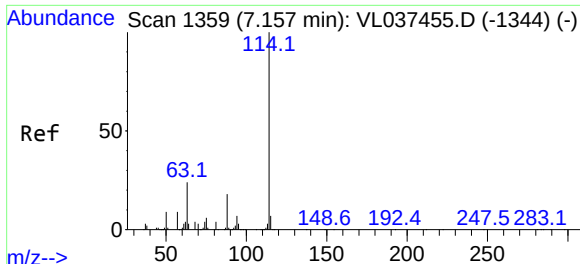
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#31
cis-1,2-Dichloroethene
Concen: 1.480 ppbv m
RT: 5.558 min Scan# 862
Delta R.T. 0.026 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17

Tgt Ion: 61 Resp: 261615
Ion Ratio Lower Upper
61 100
96 65.0 54.8 82.2
98 37.4 34.2 51.2





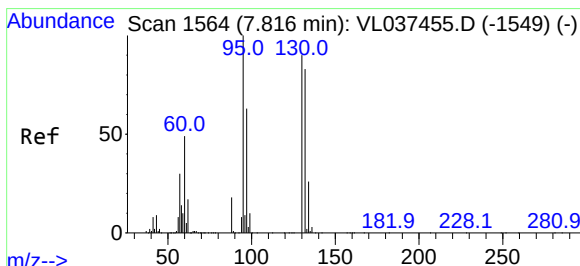
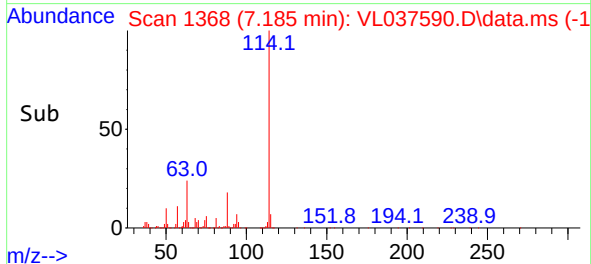
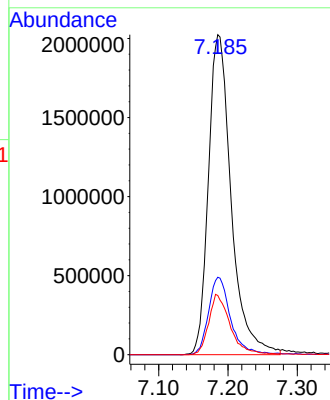
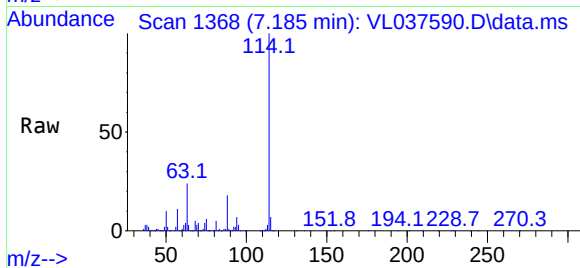
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.185 min Scan# 1368
Delta R.T. 0.029 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17

Tgt Ion:114 Resp: 4618590
Ion Ratio Lower Upper
114 100
63 23.8 19.3 28.9
88 17.9 14.2 21.4

Instrument :
MSVOA_L
ClientSampled :
SV-4DL

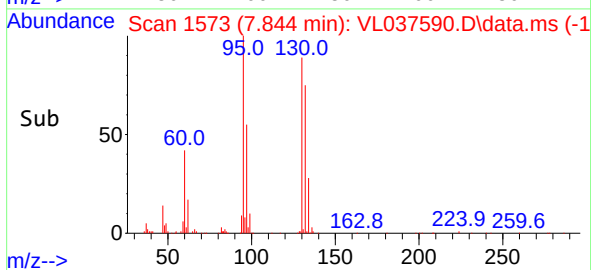
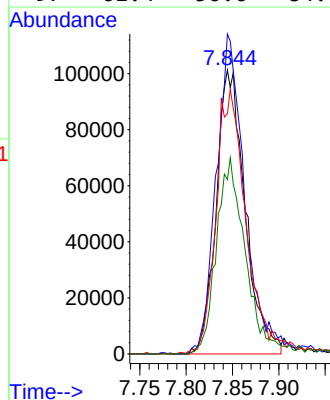
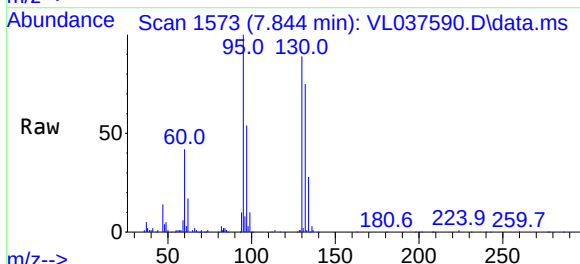
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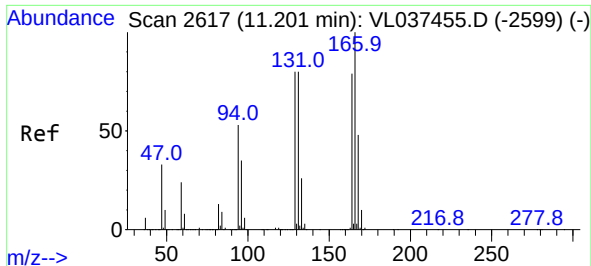
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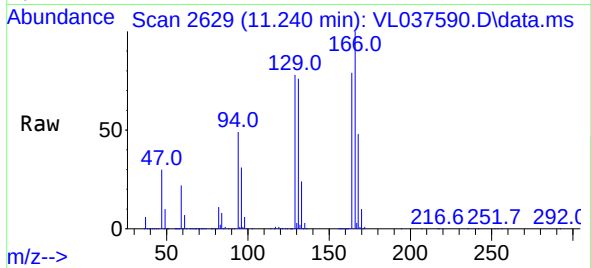
#38
Trichloroethene
Concen: 1.383 ppbv m
RT: 7.844 min Scan# 1573
Delta R.T. 0.029 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17

Tgt Ion:130 Resp: 220293
Ion Ratio Lower Upper
130 100
95 112.8 89.2 133.8
132 84.7 74.0 111.0
97 61.4 56.6 84.8



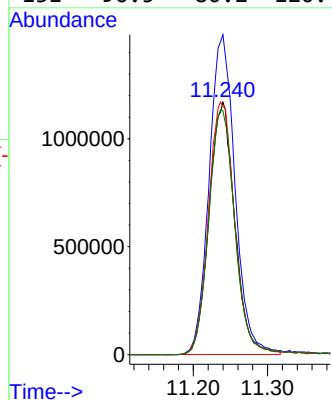


#52
Tetrachloroethene
Concen: 17.652 ppbv
RT: 11.240 min Scan# 2629
Delta R.T. 0.038 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17



Tgt Ion:164 Resp: 2808393

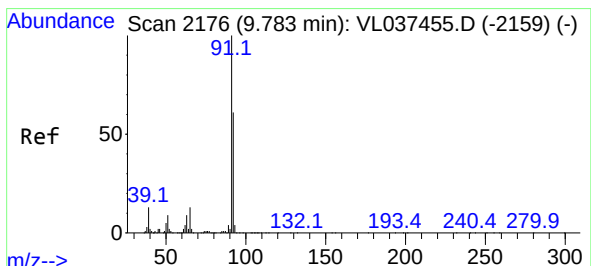
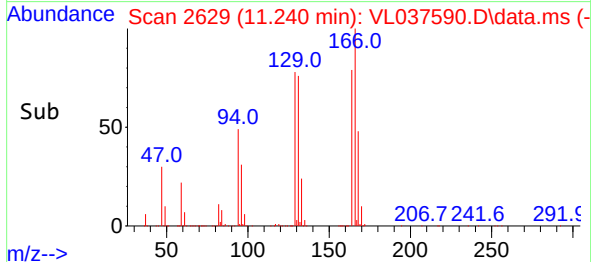
Ion	Ratio	Lower	Upper
164	100		
166	126.7	100.7	151.1
129	98.3	80.9	121.3
131	96.5	80.2	120.4



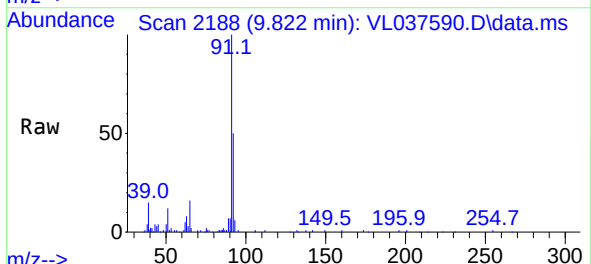
Instrument :
MSVOA_L
ClientSampled :
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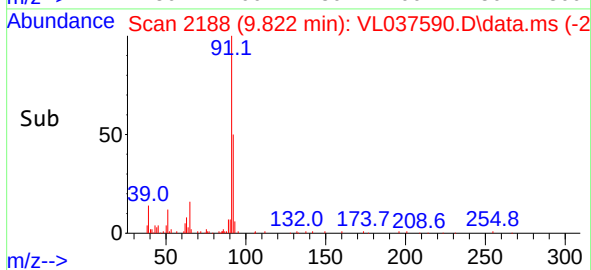
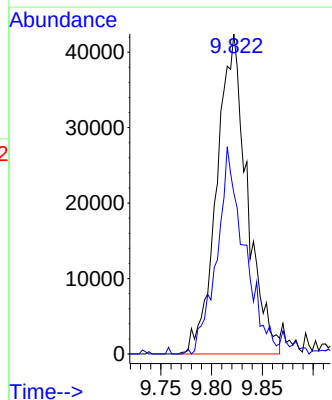


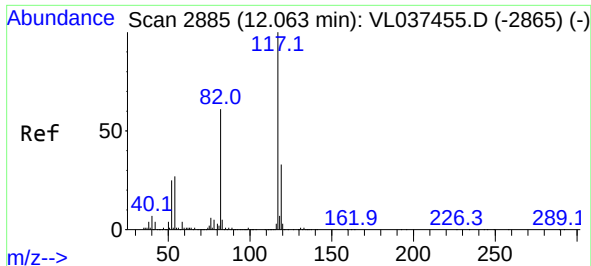
#53
Toluene
Concen: 0.199 ppbv m
RT: 9.822 min Scan# 2188
Delta R.T. 0.038 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17



Tgt Ion: 91 Resp: 88416

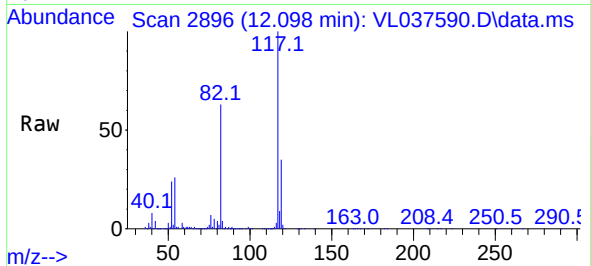
Ion	Ratio	Lower	Upper
91	100		
92	62.6	48.8	73.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.098 min Scan# 2896
Delta R.T. 0.035 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17

Instrument :
MSVOA_L
ClientSampled :
SV-4DL

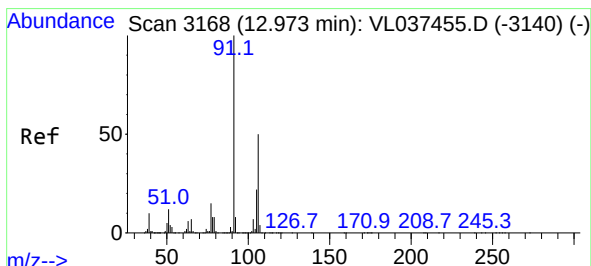
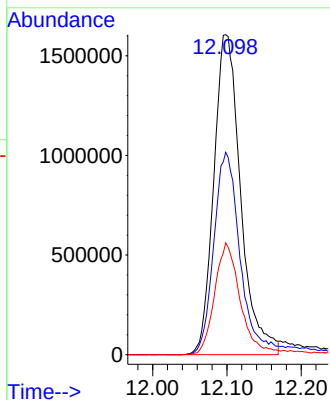
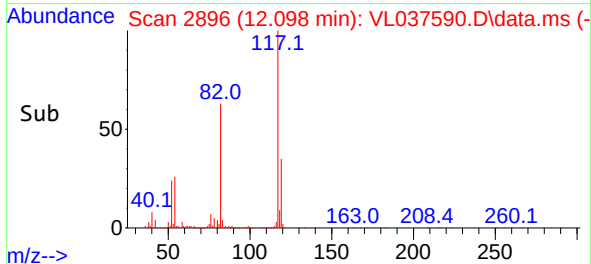


Tgt Ion: 117 Resp: 4047073

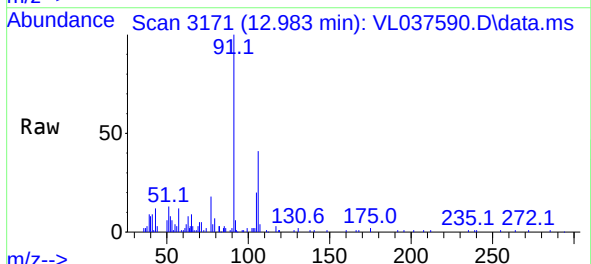
Ion	Ratio	Lower	Upper
117	100		
82	67.1	52.9	79.3
119	35.3	24.8	37.2

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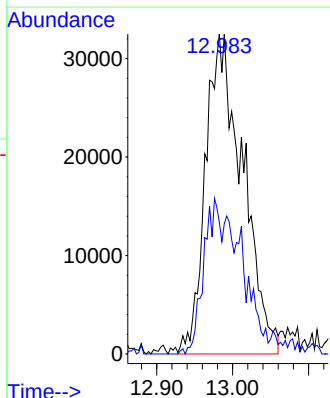
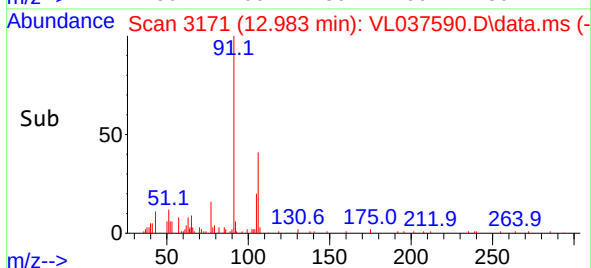


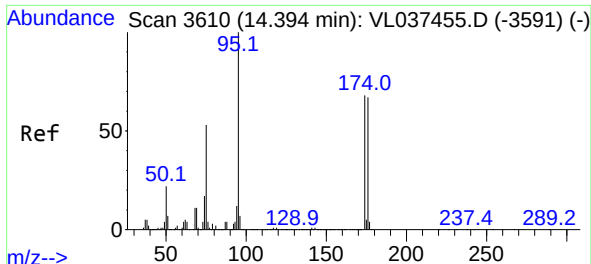
#59
m/p-Xylene
Concen: 0.227 ppbv m
RT: 12.983 min Scan# 3171
Delta R.T. 0.010 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17



Tgt Ion: 91 Resp: 110459

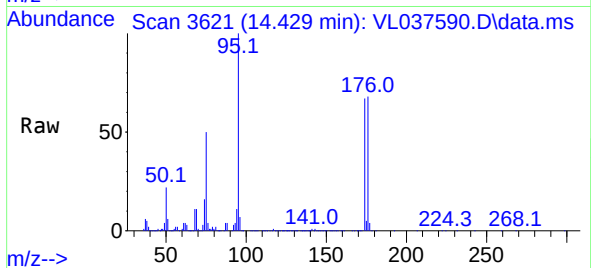
Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.9	55.3#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.926 ppbv
RT: 14.429 min Scan# 3621
Delta R.T. 0.035 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17

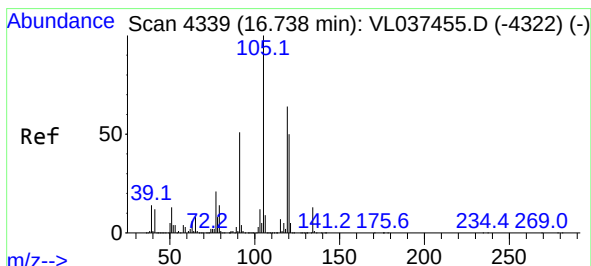
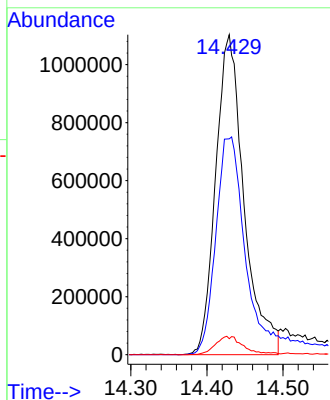
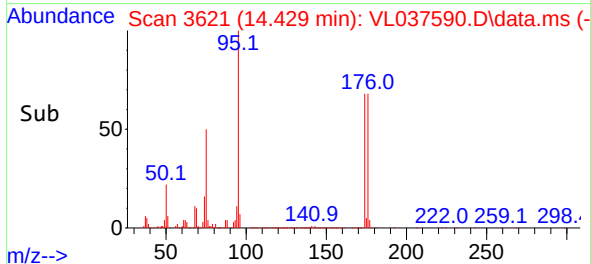
Instrument :
MSVOA_L
ClientSampled :
SV-4DL



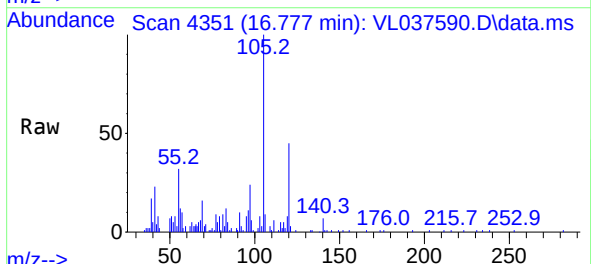
Tgt Ion: 95 Resp: 2854084
Ion Ratio Lower Upper
95 100
174 78.9 59.6 89.4
175 6.2 4.6 7.0

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#74
1,2,4-Trimethylbenzene
Concen: 0.129 ppbv
RT: 16.777 min Scan# 4351
Delta R.T. 0.038 min
Lab File: VL037590.D
Acq: 9 Sep 2021 3:17



Tgt Ion: 105 Resp: 68718
Ion Ratio Lower Upper
105 100
120 43.0 40.4 60.6
91 8.8 44.6 67.0#
77 10.0 17.8 26.6#

