

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040639.D
 Acq On : 15 Aug 2023 19:28
 Operator : SY/MD
 Sample : 03861-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E065-1100

Quant Time: Aug 16 05:57:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 05:43:50 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

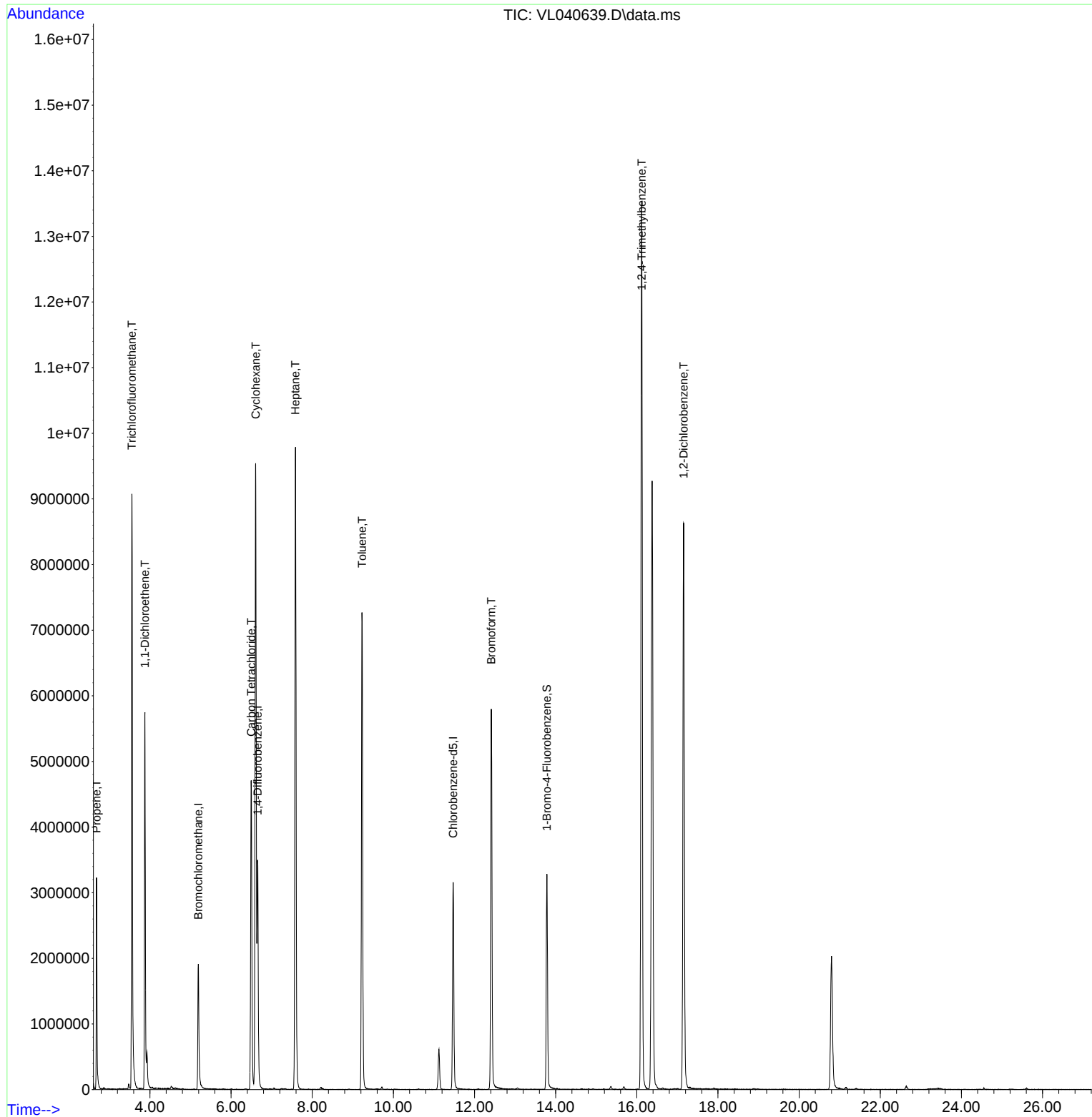
Internal Standards						
1) Bromochloromethane	5.192	49	893326	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2425310	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2002478	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1527908	9.594	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.900%
Target Compounds						
					Qvalue	
9) Propene	2.684	41	1267442	27.887	ppbv	99
10) Heptane	7.584	43	4513090	43.122	ppbv	100
11) Trichlorofluoromethane	3.555	101	6238324	40.161	ppbv	94
18) 1,1-Dichloroethene	3.877	96	1760382	33.692	ppbv	97
30) Cyclohexane	6.606	84	3669432	48.301	ppbv	94
35) Carbon Tetrachloride	6.494	117	2957686	19.490	ppbv	99
49) Bromoform	12.413	173	3149457	30.291	ppbv	98
53) Toluene	9.227	91	5917573	28.861	ppbv	97
74) 1,2,4-Trimethylbenzene	16.121	105	10456211	42.497	ppbv #	74
77) 1,2-Dichlorobenzene	17.153	146	4473443	31.961	ppbv	99

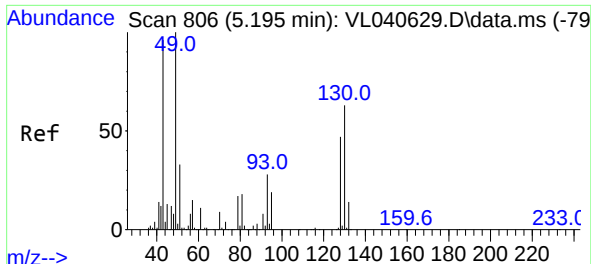
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Aug 16 05:43:50 2023
Response via : Initial Calibration

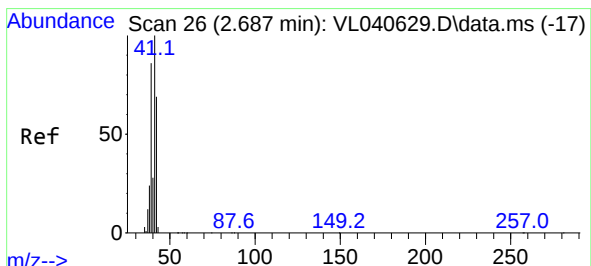
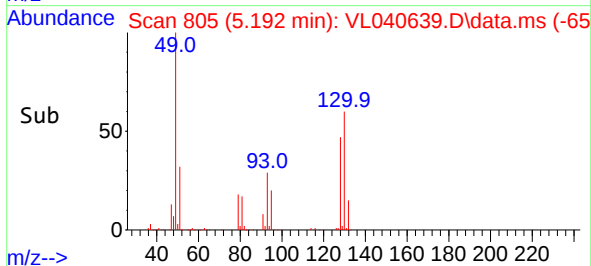
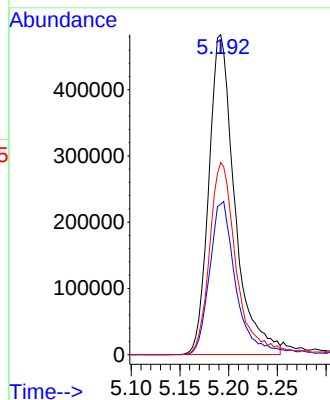
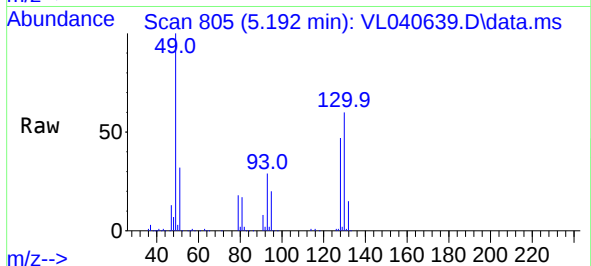




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040639.D
Acq: 15 Aug 2023 19:28

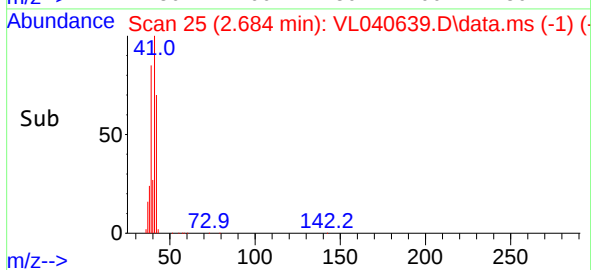
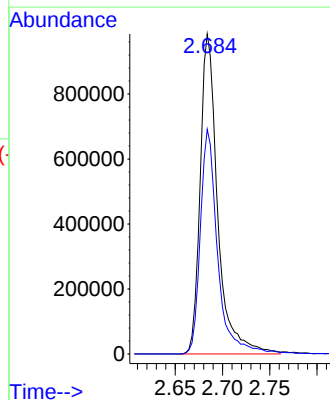
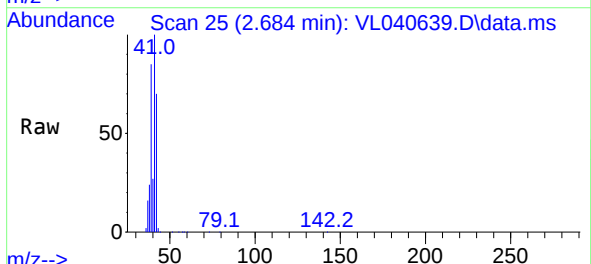
Instrument :
MSVOA_L
ClientSampleId :
E065-1100

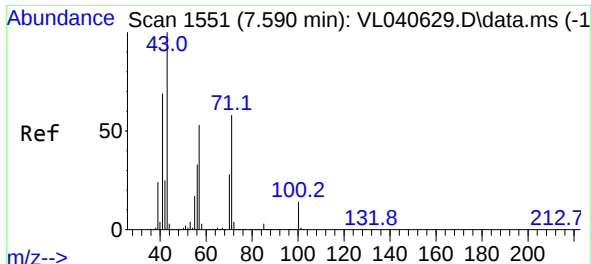
Tgt Ion: 49 Resp: 893326
Ion Ratio Lower Upper
49 100
128 49.4 24.9 74.7
130 64.6 32.2 96.6



#9
Propene
Concen: 27.887 ppbv
RT: 2.684 min Scan# 25
Delta R.T. -0.003 min
Lab File: VL040639.D
Acq: 15 Aug 2023 19:28

Tgt Ion: 41 Resp: 1267442
Ion Ratio Lower Upper
41 100
42 69.7 56.5 84.7

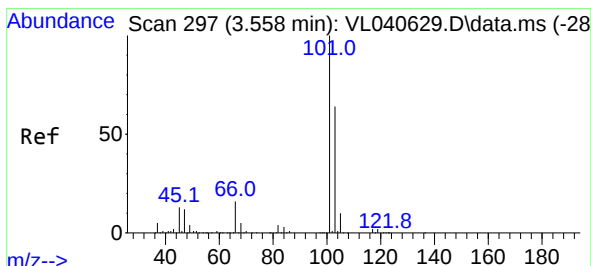
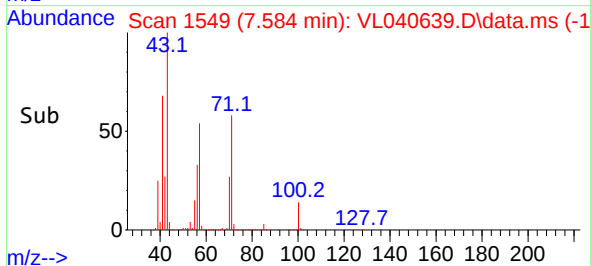
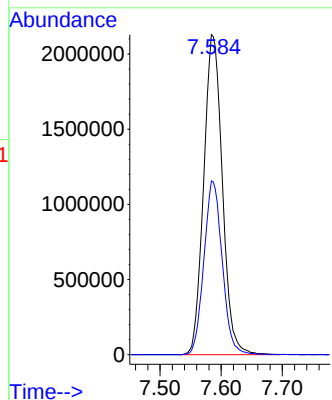
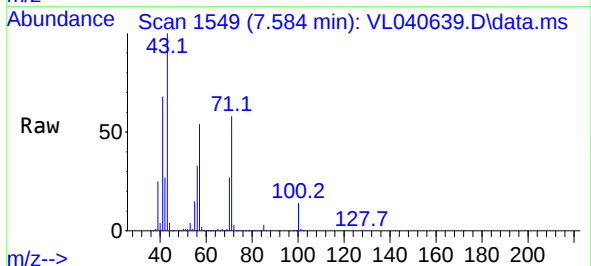




#10
Heptane
Concen: 43.122 ppbv
RT: 7.584 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040639.D
Acq: 15 Aug 2023 19:28

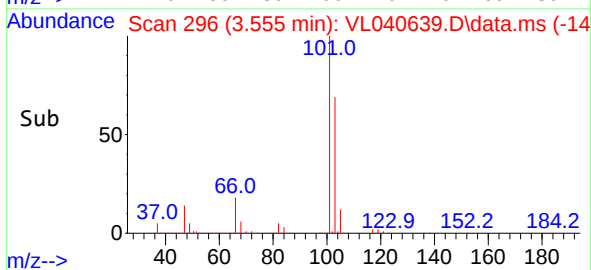
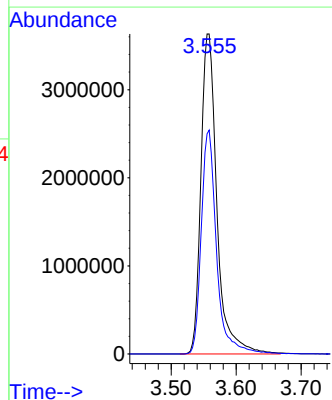
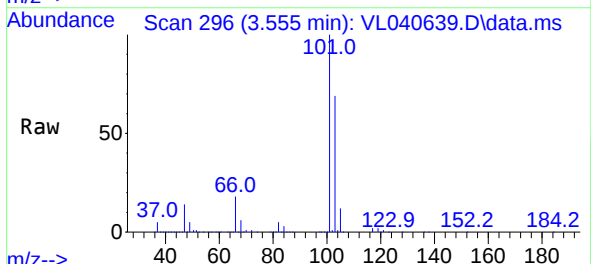
Instrument :
MSVOA_L
ClientSampleId :
E065-1100

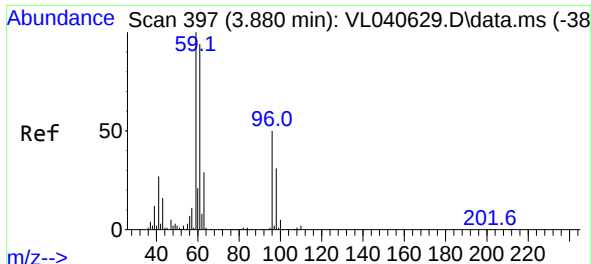
Tgt Ion: 43 Resp: 4513090
Ion Ratio Lower Upper
43 100
57 53.4 42.5 63.7



#11
Trichlorofluoromethane
Concen: 40.161 ppbv
RT: 3.555 min Scan# 296
Delta R.T. -0.003 min
Lab File: VL040639.D
Acq: 15 Aug 2023 19:28

Tgt Ion:101 Resp: 6238324
Ion Ratio Lower Upper
101 100
103 68.8 51.1 76.7



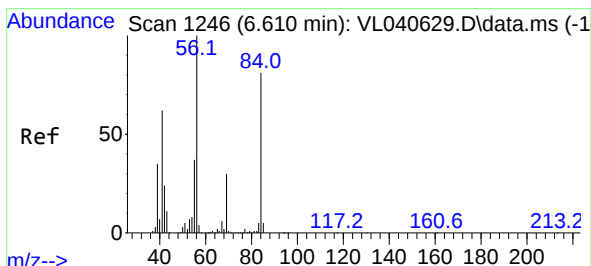
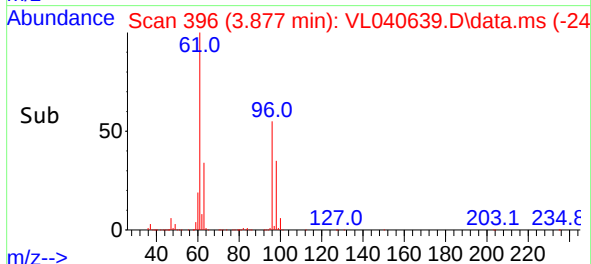
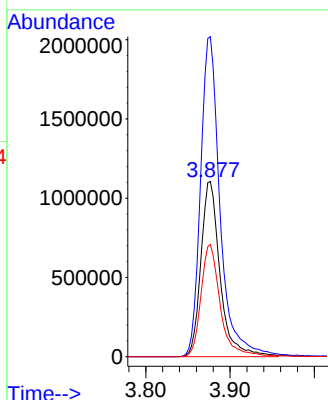
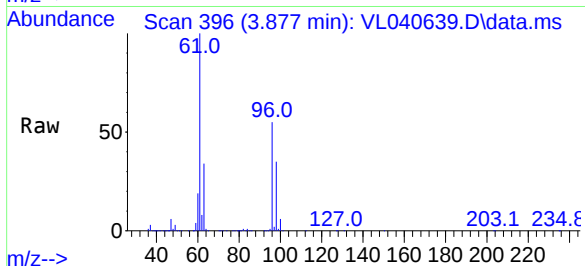


#18
1,1-Dichloroethene
Concen: 33.692 ppbv
RT: 3.877 min Scan# 396
Delta R.T. -0.003 min
Lab File: VL040639.D
Acq: 15 Aug 2023 19:28

Instrument :
MSVOA_1
ClientSampleId :
E065-1100

Tgt Ion: 96 Resp: 1760382

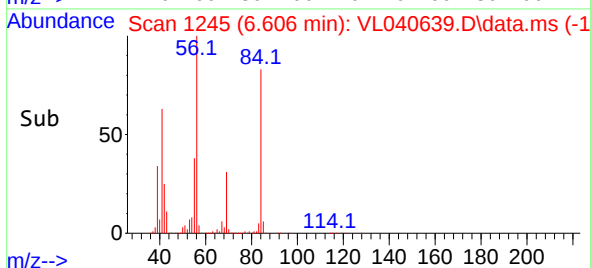
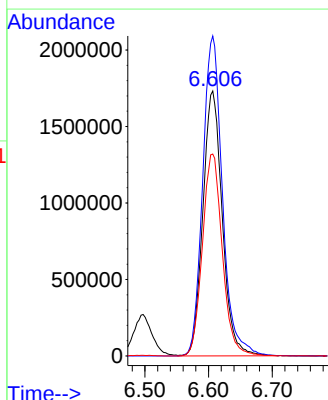
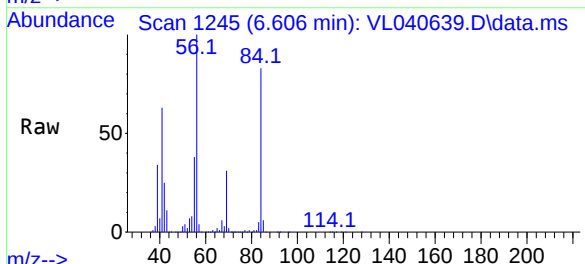
Ion	Ratio	Lower	Upper
96	100		
61	182.5	150.4	225.6
98	64.0	49.7	74.5

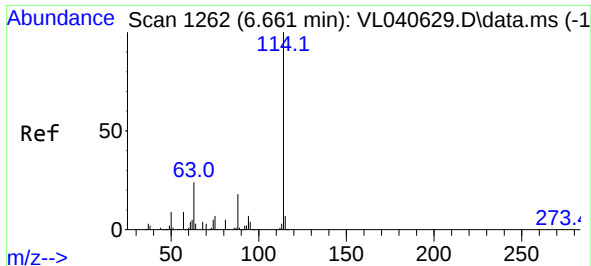


#30
Cyclohexane
Concen: 48.301 ppbv
RT: 6.606 min Scan# 1245
Delta R.T. -0.003 min
Lab File: VL040639.D
Acq: 15 Aug 2023 19:28

Tgt Ion: 84 Resp: 3669432

Ion	Ratio	Lower	Upper
84	100		
56	123.0	105.4	158.2
41	78.2	64.2	96.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL040639.D

Acq: 15 Aug 2023 19:28

Instrument :

MSVOA_L

ClientSampleId :

E065-1100

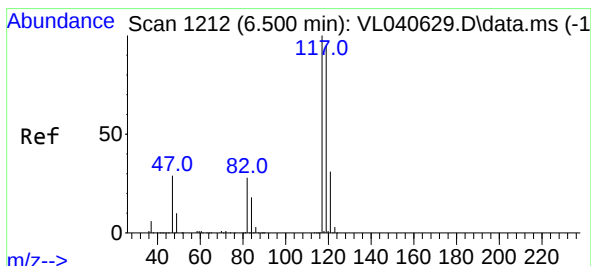
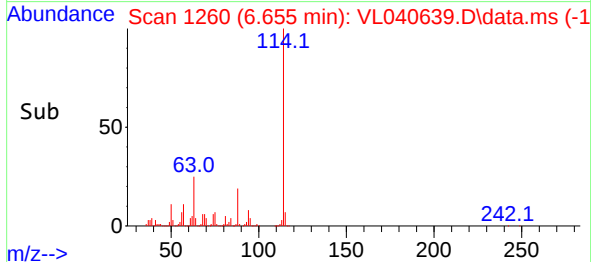
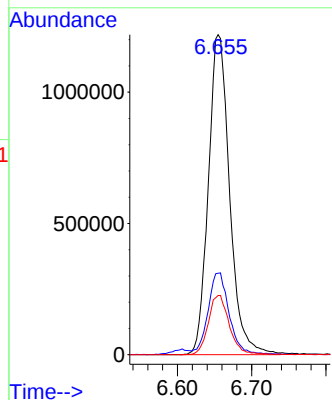
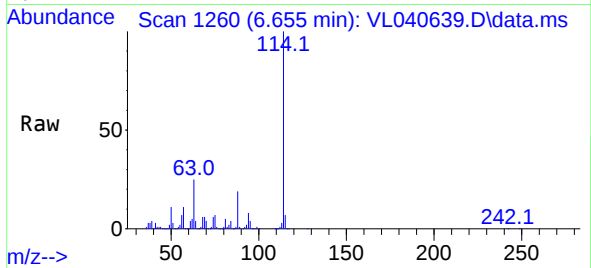
Tgt Ion:114 Resp: 2425310

Ion Ratio Lower Upper

114 100

63 27.0 20.2 30.2

88 18.3 14.1 21.1



#35

Carbon Tetrachloride

Concen: 19.490 ppbv

RT: 6.494 min Scan# 1210

Delta R.T. -0.006 min

Lab File: VL040639.D

Acq: 15 Aug 2023 19:28

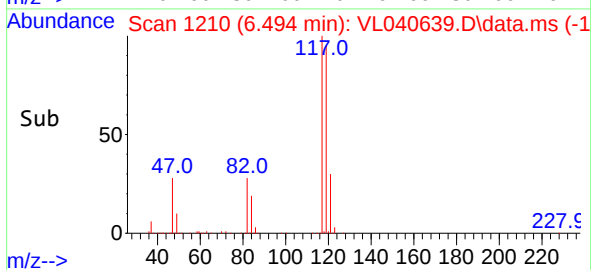
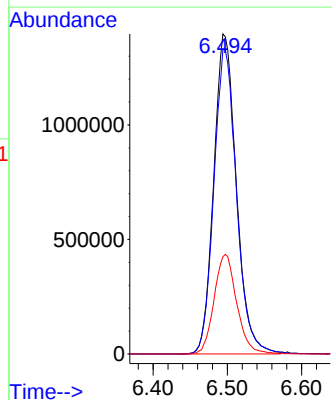
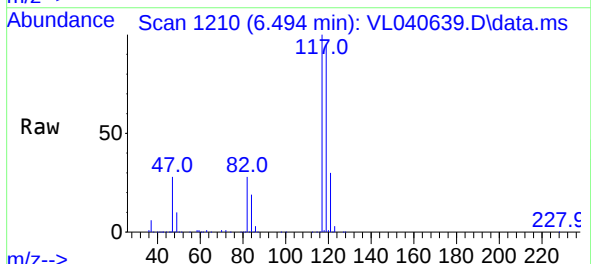
Tgt Ion:117 Resp: 2957686

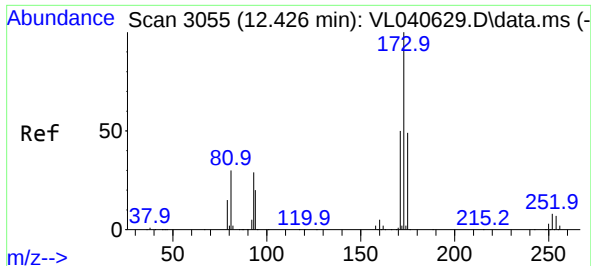
Ion Ratio Lower Upper

117 100

119 95.2 75.6 113.4

121 30.4 24.9 37.3

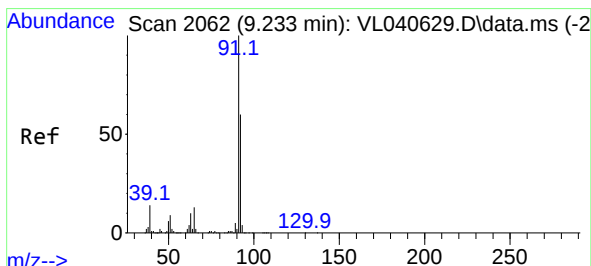
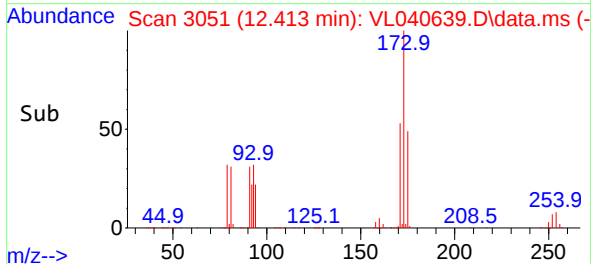
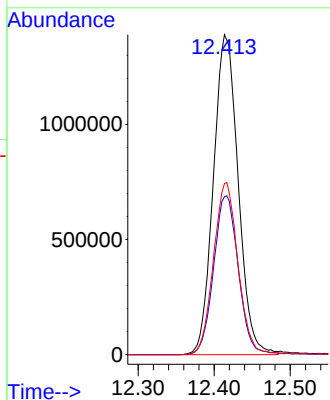
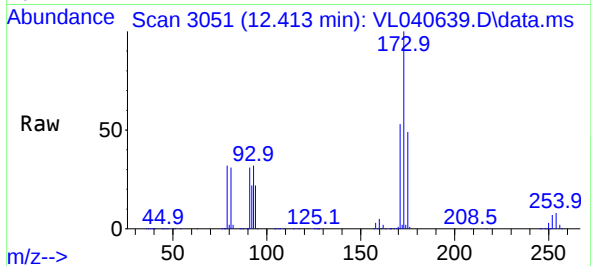




#49
Bromoform
Concen: 30.291 ppbv
RT: 12.413 min Scan# 30
Delta R.T. -0.013 min
Lab File: VL040639.D
Acq: 15 Aug 2023 19:28

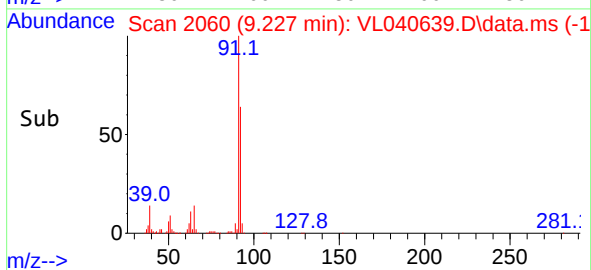
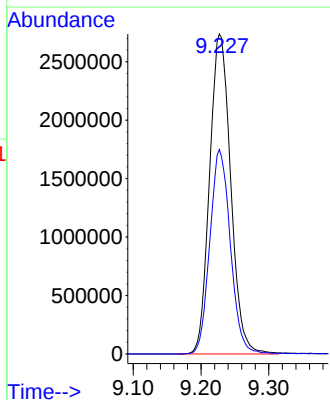
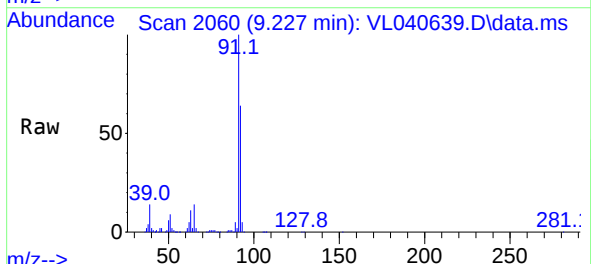
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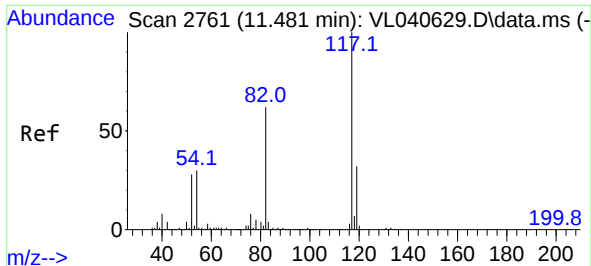
Tgt Ion:173 Resp: 3149457
Ion Ratio Lower Upper
173 100
175 50.1 39.0 58.6
171 53.5 41.9 62.9



#53
Toluene
Concen: 28.861 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. -0.007 min
Lab File: VL040639.D
Acq: 15 Aug 2023 19:28

Tgt Ion: 91 Resp: 5917573
Ion Ratio Lower Upper
91 100
92 62.4 48.0 72.0

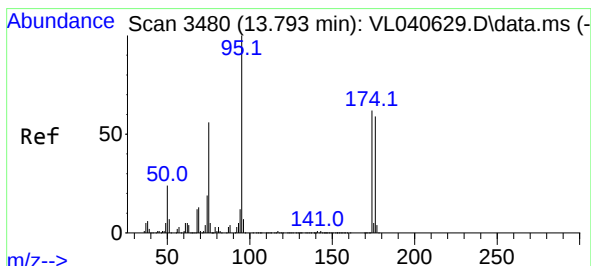
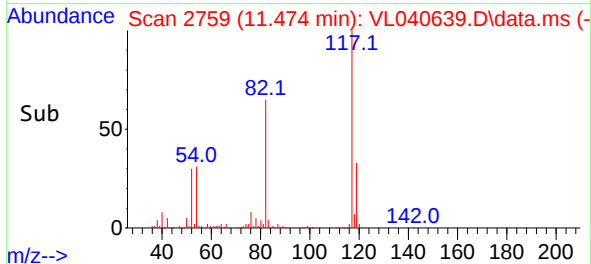
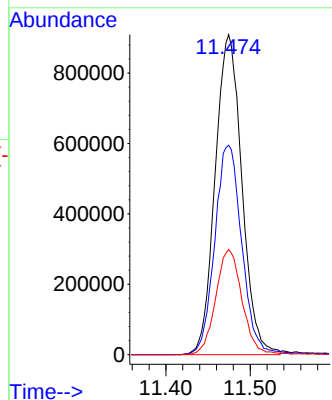
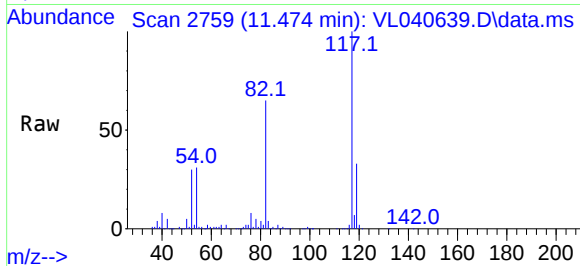




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL040639.D
Acq: 15 Aug 2023 19:28

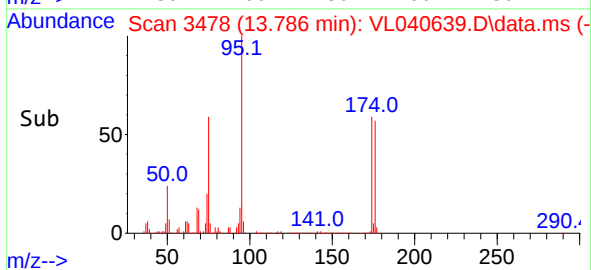
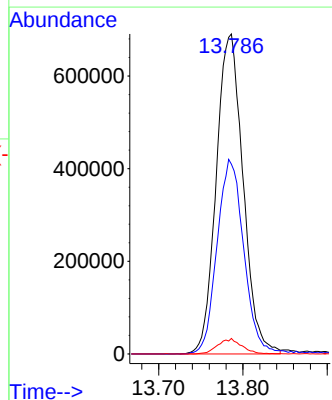
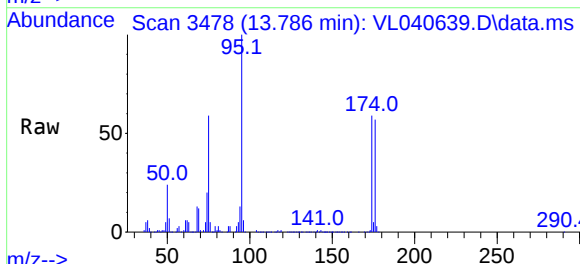
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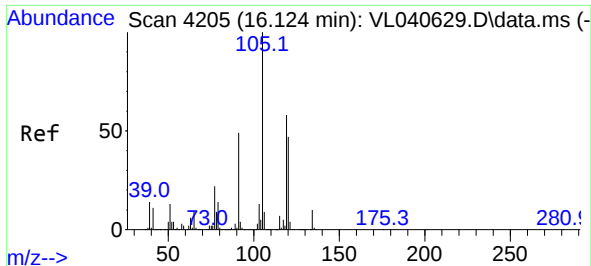
Tgt Ion:117 Resp: 2002478
Ion Ratio Lower Upper
117 100
82 66.6 49.5 74.3
119 32.6 24.5 36.7



#68
1-Bromo-4-Fluorobenzene
Concen: 9.594 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. -0.007 min
Lab File: VL040639.D
Acq: 15 Aug 2023 19:28

Tgt Ion: 95 Resp: 1527908
Ion Ratio Lower Upper
95 100
174 61.4 49.1 73.7
175 4.3 3.7 5.5

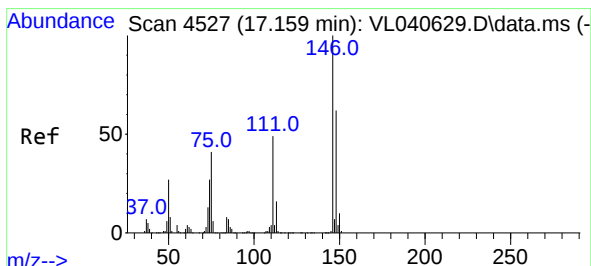
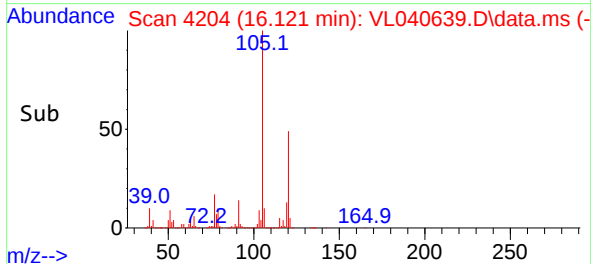
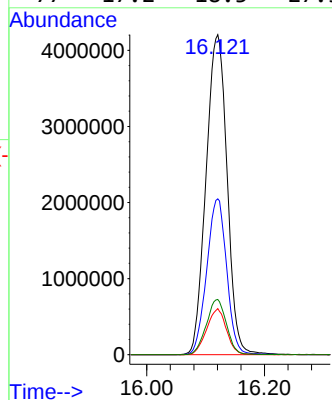
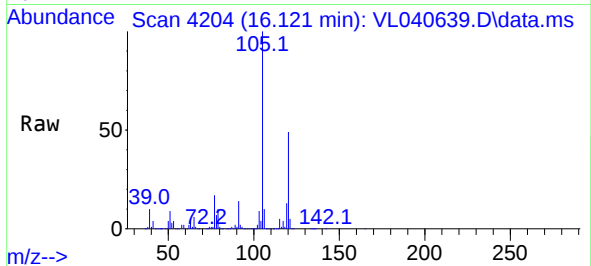




#74
1,2,4-Trimethylbenzene
Concen: 42.497 ppbv
RT: 16.121 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040639.D
Acq: 15 Aug 2023 19:28

Instrument :
MSVOA_L
ClientSampleId :
E065-1100

Tgt Ion:105 Resp:10456211
Ion Ratio Lower Upper
105 100
120 48.7 37.7 56.5
91 14.4 41.2 61.8#
77 17.2 18.3 27.5#



#77
1,2-Dichlorobenzene
Concen: 31.961 ppbv
RT: 17.153 min Scan# 4525
Delta R.T. -0.007 min
Lab File: VL040639.D
Acq: 15 Aug 2023 19:28

Tgt Ion:146 Resp: 4473443
Ion Ratio Lower Upper
146 100
111 50.0 24.6 74.0
148 64.2 32.1 96.5

