

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040261.D
 Acq On : 8 Mar 2023 19:27
 Operator : SY/MD
 Sample : 01836-04DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-SSDL

Quant Time: Mar 09 04:15:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 01 04:21:39 2023
 Response via : Initial Calibration

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

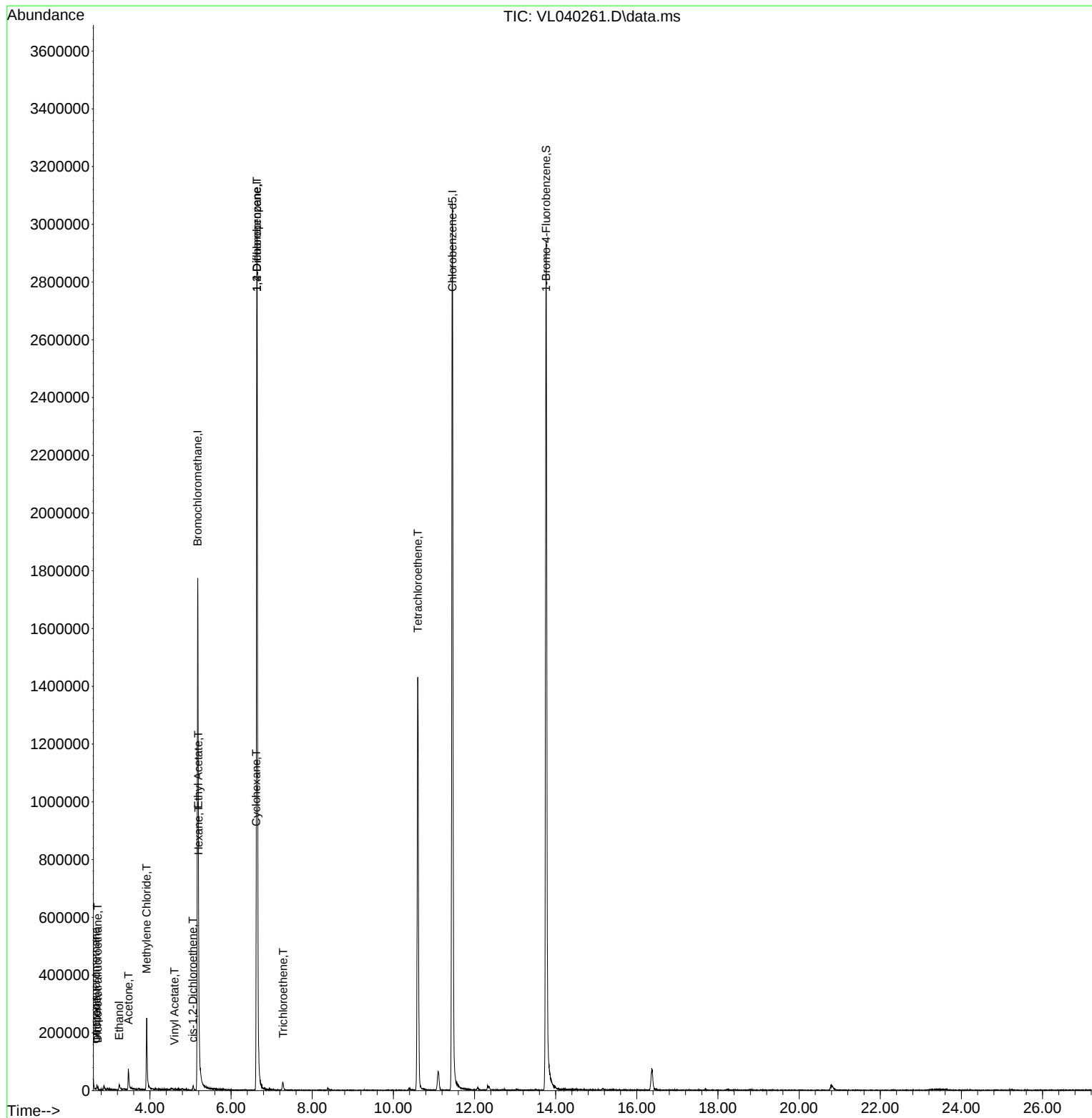
Internal Standards						
1) Bromochloromethane	5.176	49	841651	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2123703	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.452	117	1865725	10.000	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1472517	9.598	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.665	51	3369	0.034	ppbv #	83
8) Dichlorotetrafluoroethane	2.716	85	4223	0.031	ppbv #	18
9) Propene	2.690	41	3298	0.080	ppbv	87
13) Ethanol	3.243	45	7889	2.091	ppbv #	41
15) Acetone	3.468	43	72730	0.718	ppbv	94
20) Methylene Chloride	3.922	84	83392	1.581	ppbv	93
23) Vinyl Acetate	4.607	43	1152	0.037	ppbv #	70
25) Ethyl Acetate	5.195	43	29018	0.154	ppbv #	76
26) Hexane	5.198	57	41299	0.511	ppbv #	35
30) Cyclohexane	6.619	84	2551	0.040	ppbv #	1
31) cis-1,2-Dichloroethene	5.057	61	2528	0.033	ppbv #	81
38) Trichloroethene	7.282	130	2940	0.032	ppbv #	66
39) 1,2-Dichloropropane	6.639	63	558984	8.694	ppbv #	25
52) Tetrachloroethene	10.603	164	311885	6.043	ppbv	97

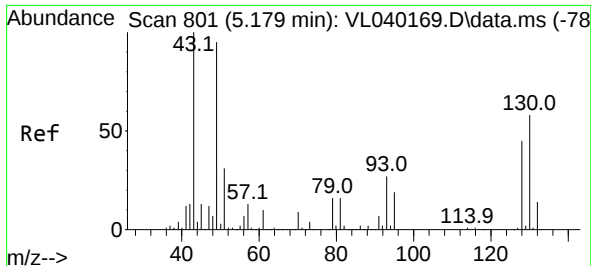
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
Data File : VL040261.D
Acq On : 8 Mar 2023 19:27
Operator : SY/MD
Sample : 01836-04DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SSDL

Quant Time: Mar 09 04:15:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Mar 01 04:21:39 2023
Response via : Initial Calibration

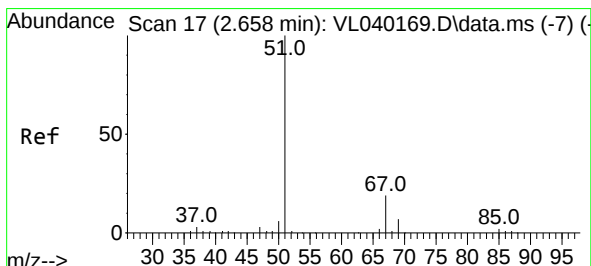
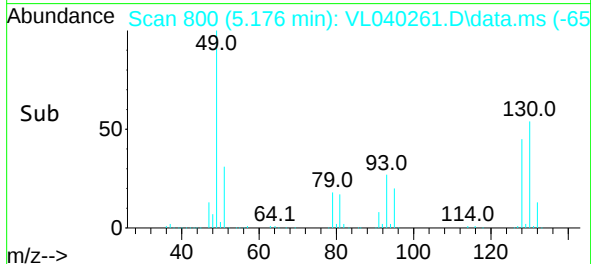
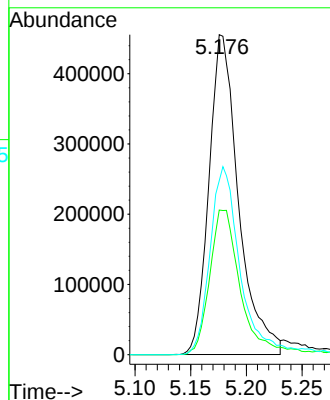
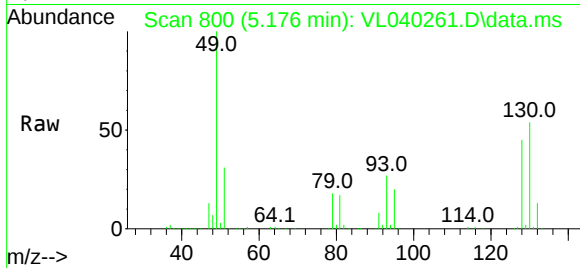




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.025 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

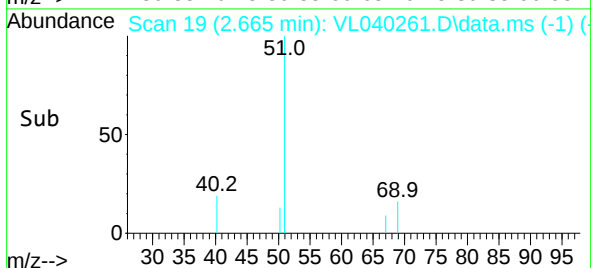
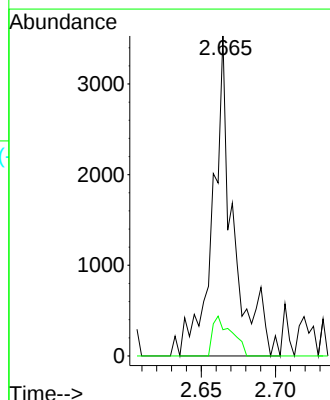
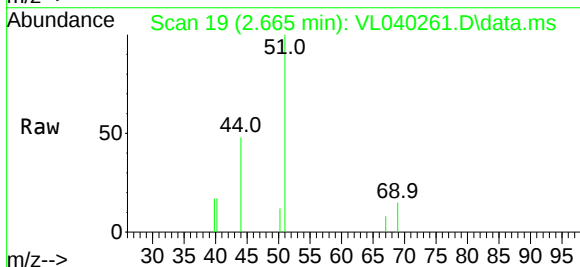
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SSDL

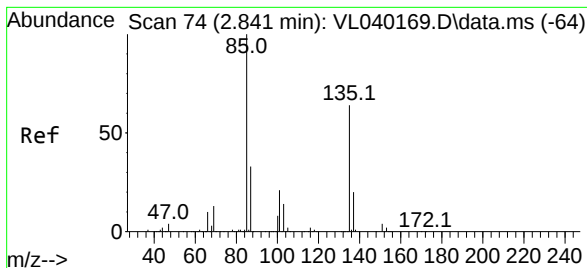
Tgt Ion: 49 Resp: 841651
Ion Ratio Lower Upper
49 100
128 49.3 24.1 72.3
130 61.9 30.9 92.8



#3
Chlorodifluoromethane
Concen: 0.034 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.006 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

Tgt Ion: 51 Resp: 3369
Ion Ratio Lower Upper
51 100
67 11.5 15.4 23.2#

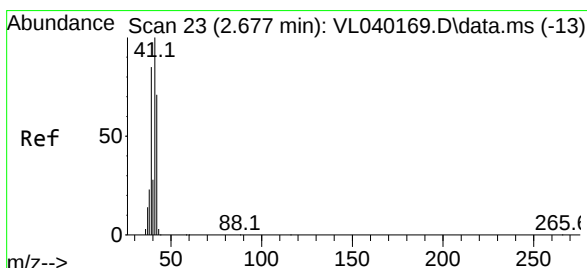
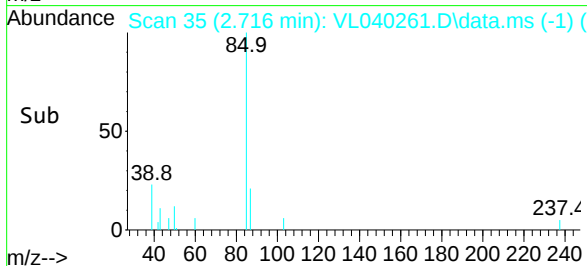
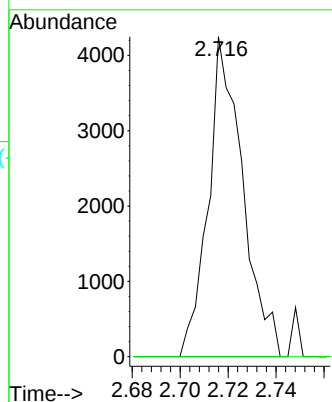
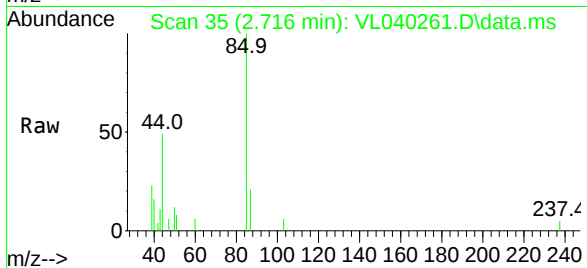




#8
 Dichlorotetrafluoroethane
 Concen: 0.031 ppbv
 RT: 2.716 min Scan# 31
 Delta R.T. -0.138 min
 Lab File: VL040261.D
 Acq: 8 Mar 2023 19:27

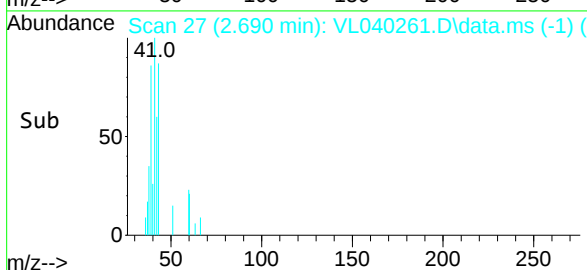
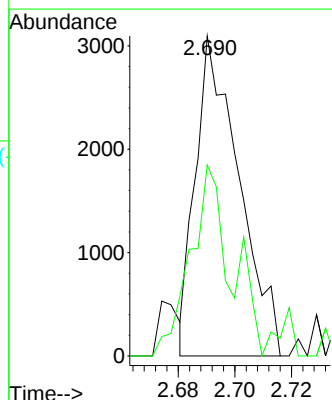
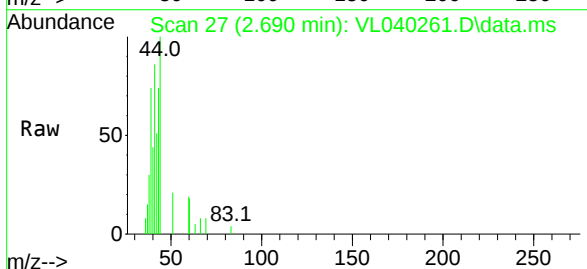
Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-SSDL

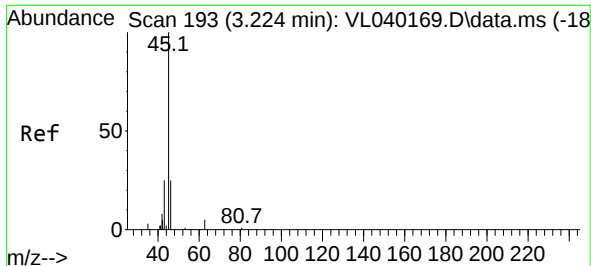
Tgt Ion: 85 Resp: 4223
 Ion Ratio Lower Upper
 85 100
 135 0.0 51.5 77.3#



#9
 Propene
 Concen: 0.080 ppbv
 RT: 2.690 min Scan# 27
 Delta R.T. 0.000 min
 Lab File: VL040261.D
 Acq: 8 Mar 2023 19:27

Tgt Ion: 41 Resp: 3298
 Ion Ratio Lower Upper
 41 100
 42 60.6 56.9 85.3

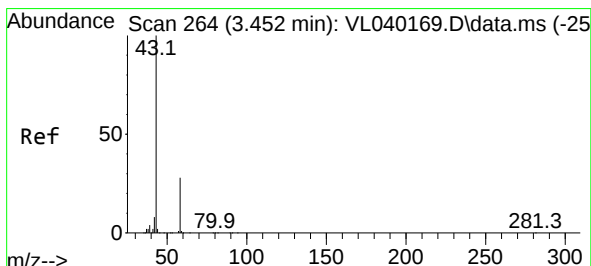
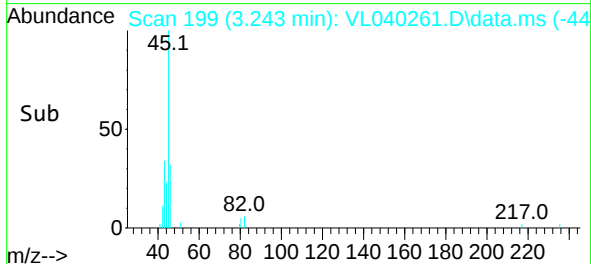
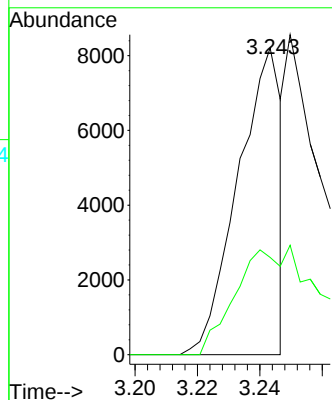
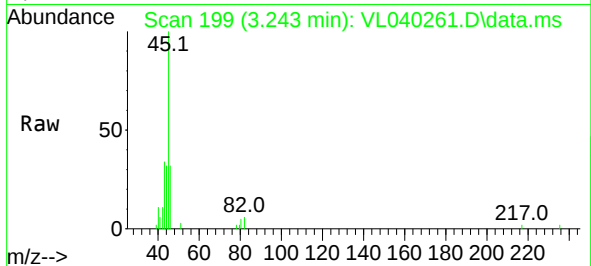




#13
Ethanol
Concen: 2.091 ppbv
RT: 3.243 min Scan# 193
Delta R.T. -0.003 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

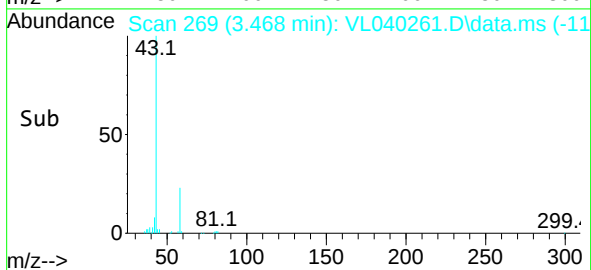
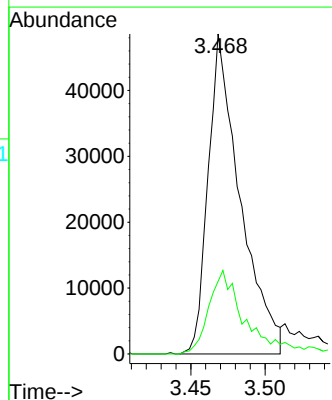
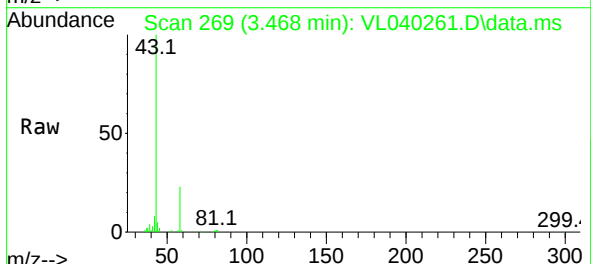
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SSDL

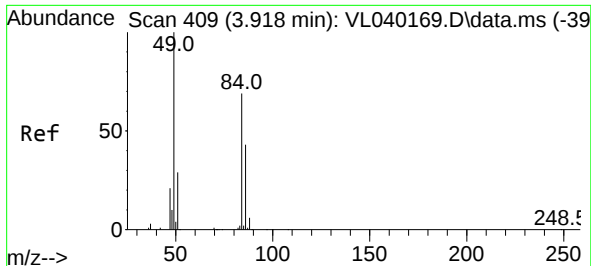
Tgt Ion: 45 Resp: 7889
Ion Ratio Lower Upper
45 100
46 0.0 13.3 53.1#



#15
Acetone
Concen: 0.718 ppbv
RT: 3.468 min Scan# 269
Delta R.T. 0.000 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

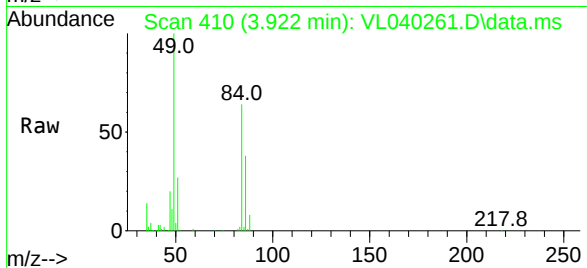
Tgt Ion: 43 Resp: 72730
Ion Ratio Lower Upper
43 100
58 31.0 22.4 33.6





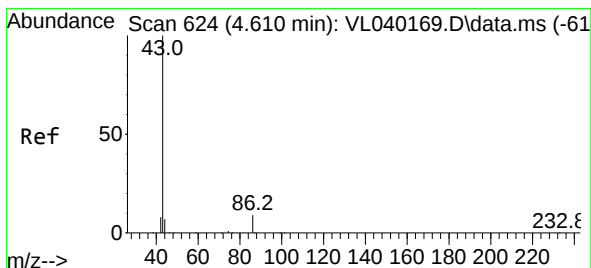
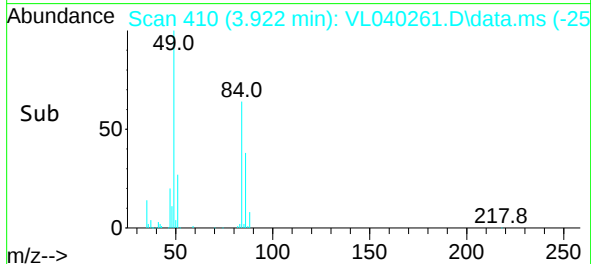
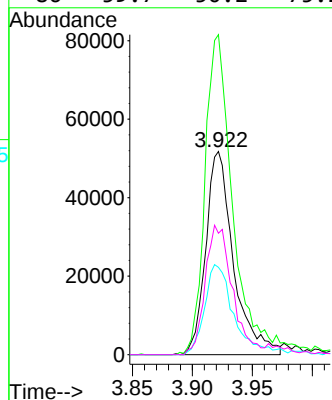
#20
Methylene Chloride
Concen: 1.581 ppbv
RT: 3.922 min Scan# 410
Delta R.T. -0.013 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SSDL



Tgt Ion: 84 Resp: 83392

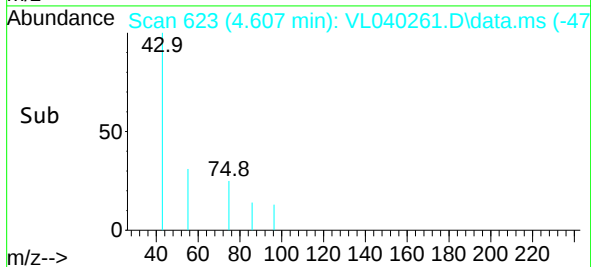
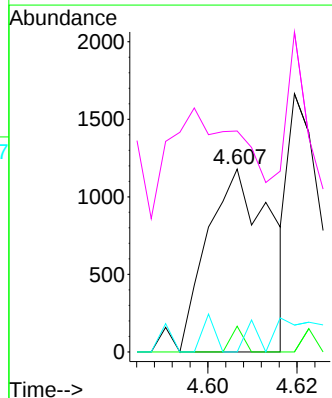
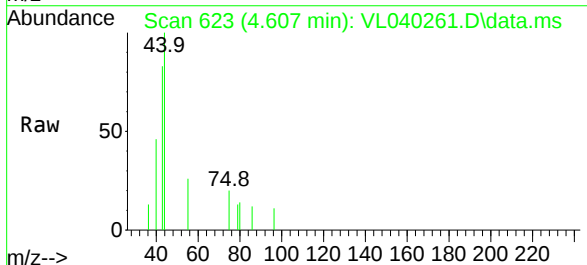
Ion	Ratio	Lower	Upper
84	100		
49	156.2	115.5	173.3
51	43.0	33.1	49.7
86	59.7	50.2	75.2

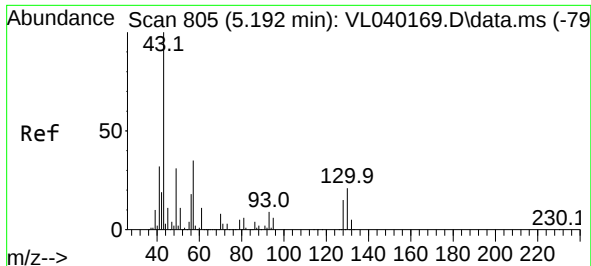


#23
Vinyl Acetate
Concen: 0.037 ppbv
RT: 4.607 min Scan# 623
Delta R.T. -0.026 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

Tgt Ion: 43 Resp: 1152

Ion	Ratio	Lower	Upper
43	100		
86	14.1	5.6	8.4#
42	0.0	7.6	11.4#
44	22.0	4.8	7.2#

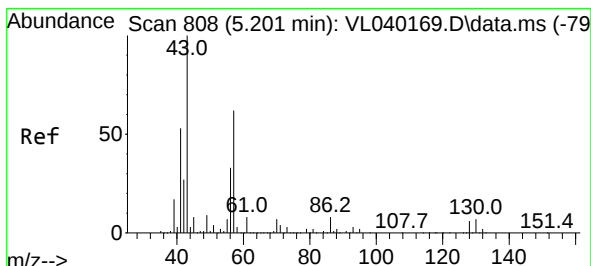
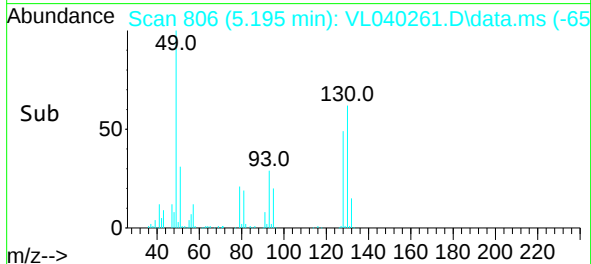
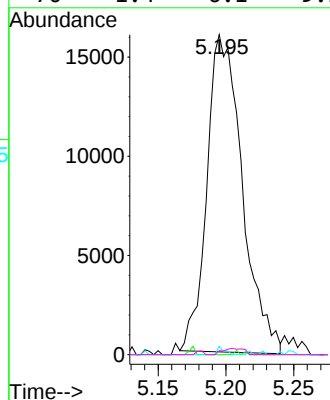
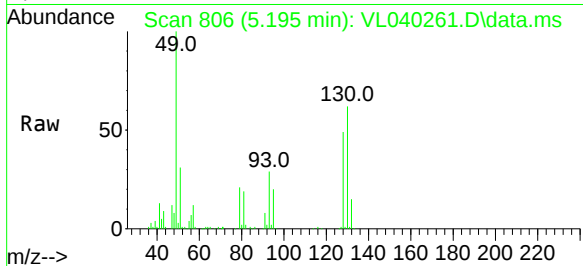




#25
Ethyl Acetate
Concen: 0.154 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.016 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

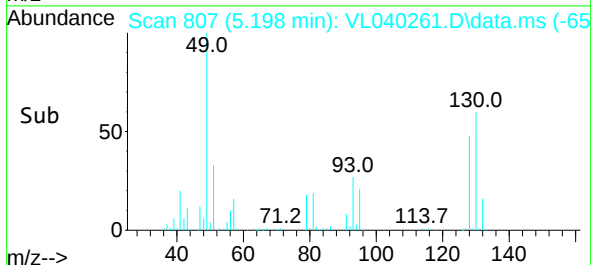
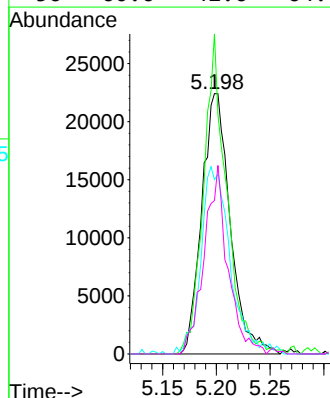
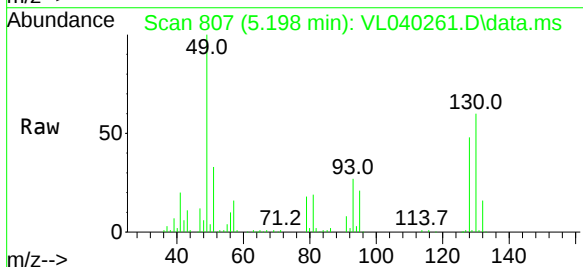
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SSDL

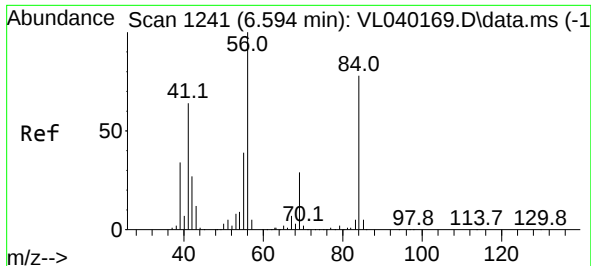
Tgt Ion:	43	Resp:	29018
Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.3	12.5#
61	1.1	8.4	12.6#
70	1.4	6.1	9.1#



#26
Hexane
Concen: 0.511 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.026 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

Tgt Ion:	57	Resp:	41299
Ion	Ratio	Lower	Upper
57	100		
41	101.5	74.3	111.5
43	74.0	193.0	289.4#
56	60.6	42.6	64.0

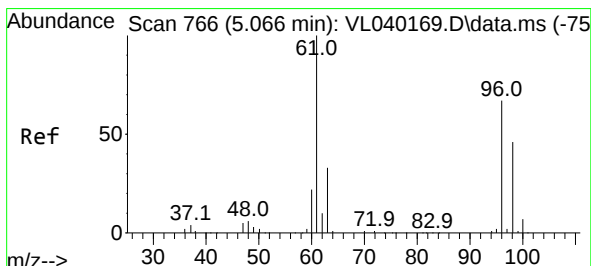
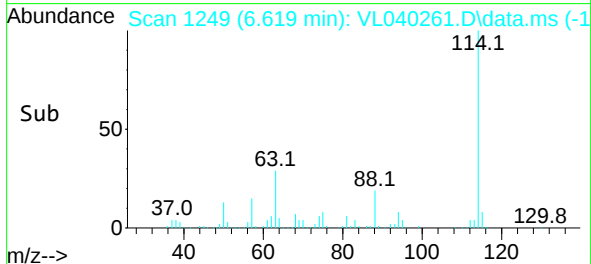
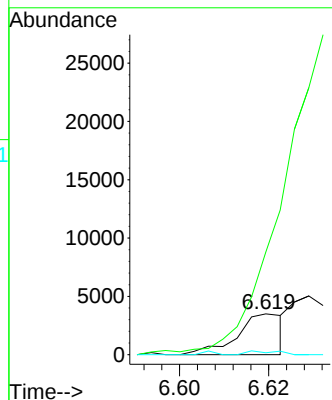
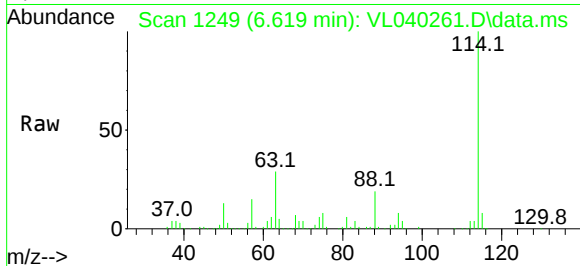




#30
Cyclohexane
Concen: 0.040 ppbv
RT: 6.619 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

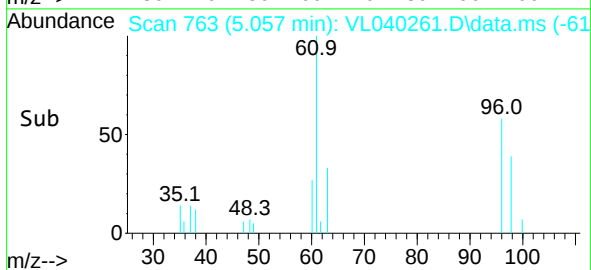
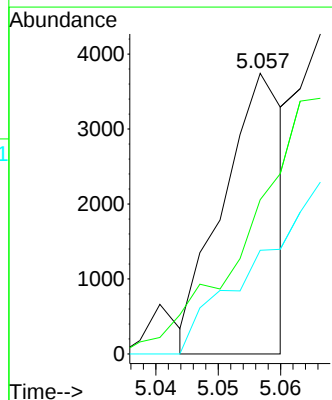
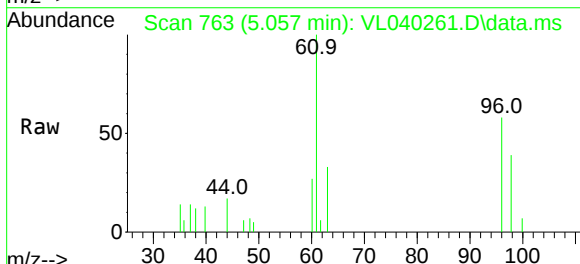
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SSDL

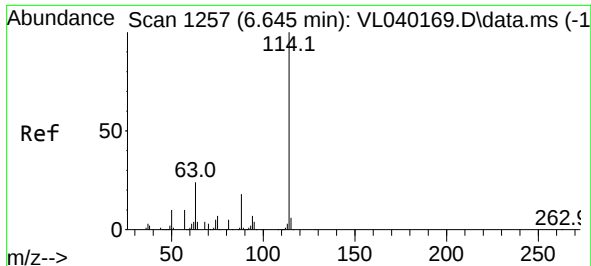
Tgt Ion: 84 Resp: 2551
Ion Ratio Lower Upper
84 100
56 0.0 109.9 164.9#
41 8.5 67.8 101.6#



#31
cis-1,2-Dichloroethene
Concen: 0.033 ppbv
RT: 5.057 min Scan# 763
Delta R.T. -0.029 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

Tgt Ion: 61 Resp: 2528
Ion Ratio Lower Upper
61 100
96 45.1 53.7 80.5#
98 40.6 36.4 54.6

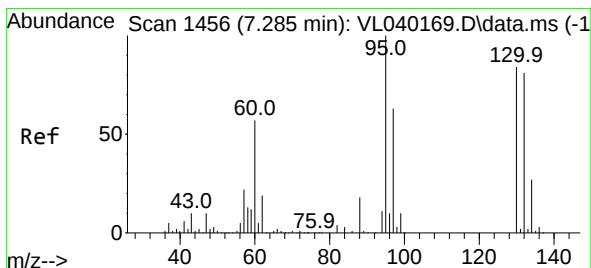
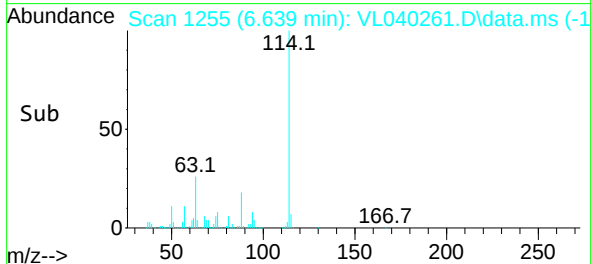
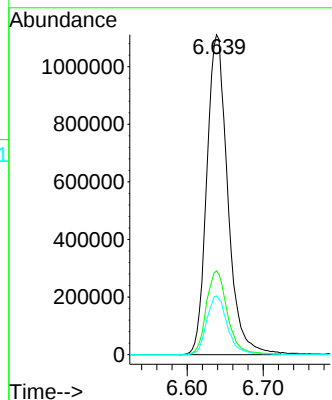
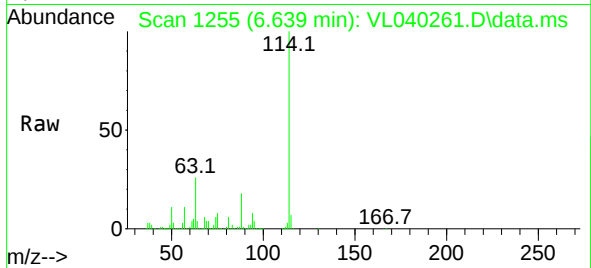




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

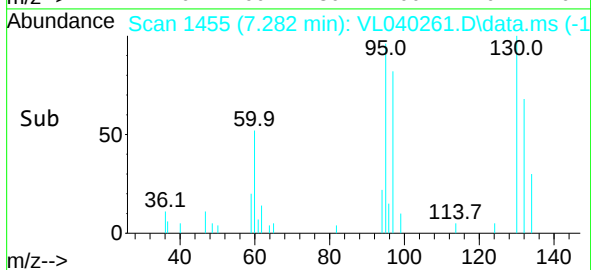
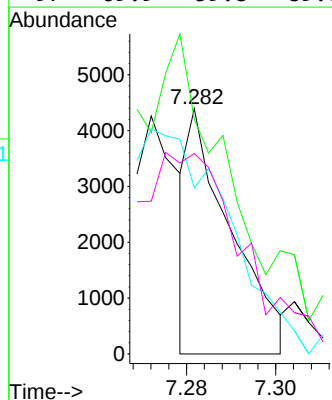
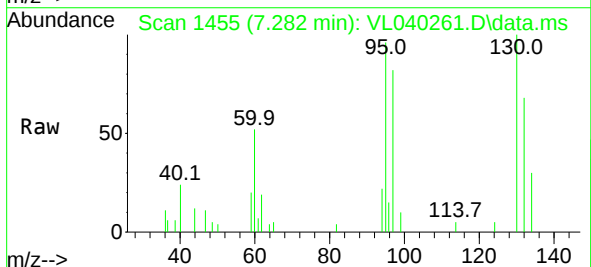
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SSDL

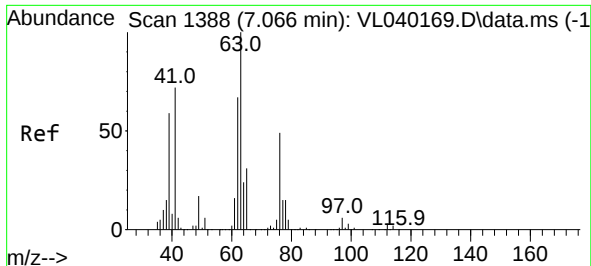
Tgt Ion:114 Resp: 2123703
Ion Ratio Lower Upper
114 100
63 26.8 20.4 30.6
88 18.4 14.3 21.5



#38
Trichloroethene
Concen: 0.032 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. -0.026 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

Tgt Ion:130 Resp: 2940
Ion Ratio Lower Upper
130 100
95 63.8 94.7 142.1#
132 60.4 76.4 114.6#
97 69.9 59.8 89.6





#39

1,2-Dichloropropane

Concen: 8.694 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.447 min

Lab File: VL040261.D

Acq: 8 Mar 2023 19:27

Instrument :

MSVOA_L

ClientSampleId :

LM-3723-SSDL

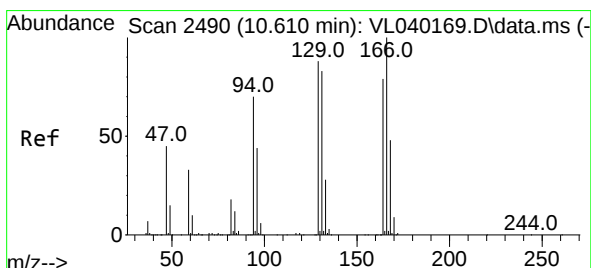
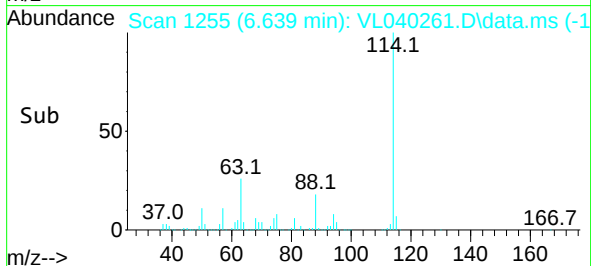
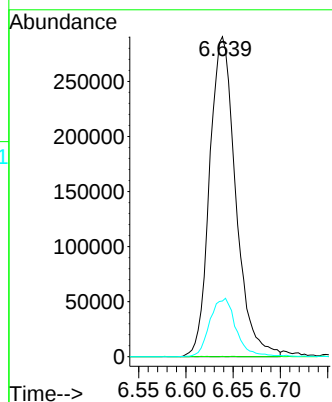
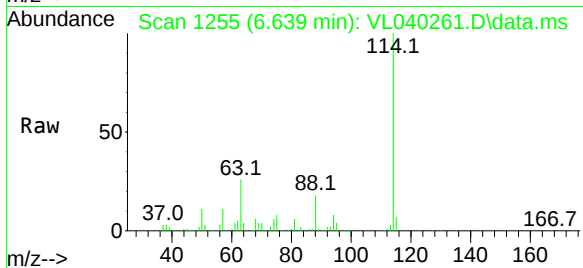
Tgt Ion: 63 Resp: 558984

Ion Ratio Lower Upper

63 100

41 0.1 57.6 86.4#

62 17.4 54.0 81.0#



#52

Tetrachloroethene

Concen: 6.043 ppbv

RT: 10.603 min Scan# 2488

Delta R.T. -0.032 min

Lab File: VL040261.D

Acq: 8 Mar 2023 19:27

Tgt Ion:164 Resp: 311885

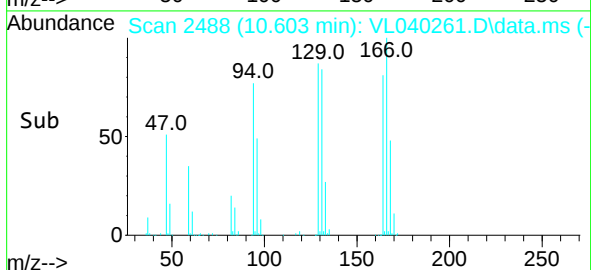
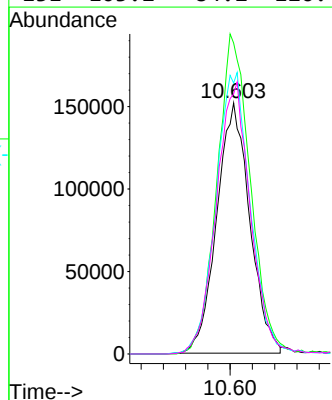
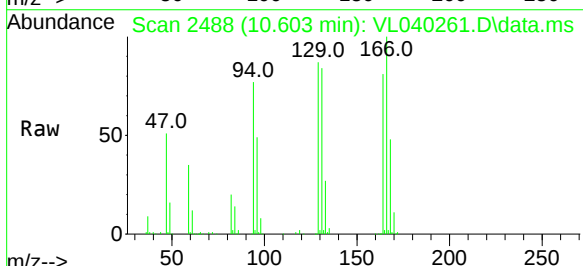
Ion Ratio Lower Upper

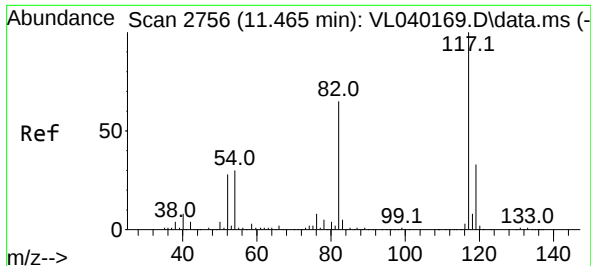
164 100

166 123.7 101.5 152.3

129 107.6 89.0 133.4

131 103.2 84.2 126.4

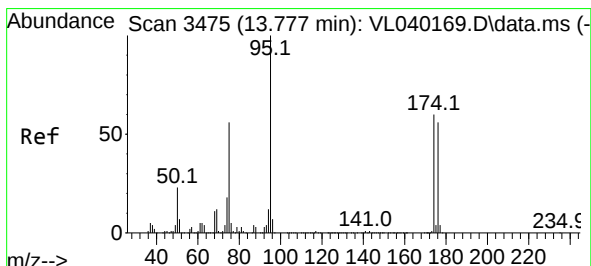
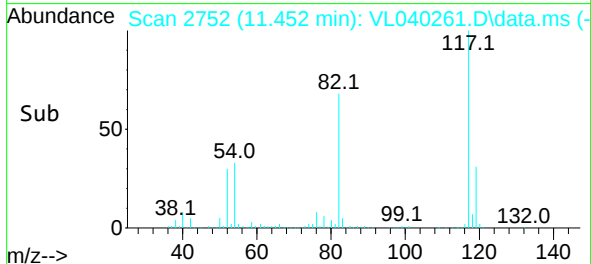
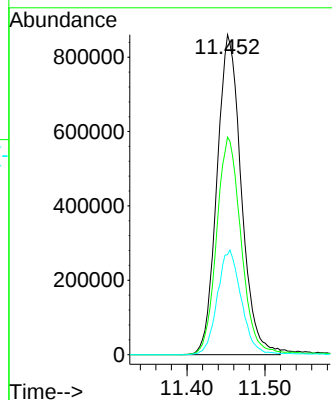
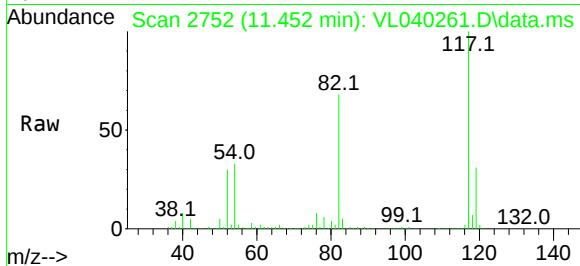




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.035 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SSDL

Tgt Ion:117 Resp: 1865725
Ion Ratio Lower Upper
117 100
82 69.6 53.3 79.9
119 32.8 24.6 37.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.598 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.032 min
Lab File: VL040261.D
Acq: 8 Mar 2023 19:27

Tgt Ion: 95 Resp: 1472517
Ion Ratio Lower Upper
95 100
174 59.4 48.2 72.2
175 4.1 3.4 5.2

