

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL041008.D
 Acq On : 23 Jan 2024 22:46
 Operator : SY/MD
 Sample : P1212-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Jan 24 01:02:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jan 24 00:50:15 2024
 Response via : Initial Calibration

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

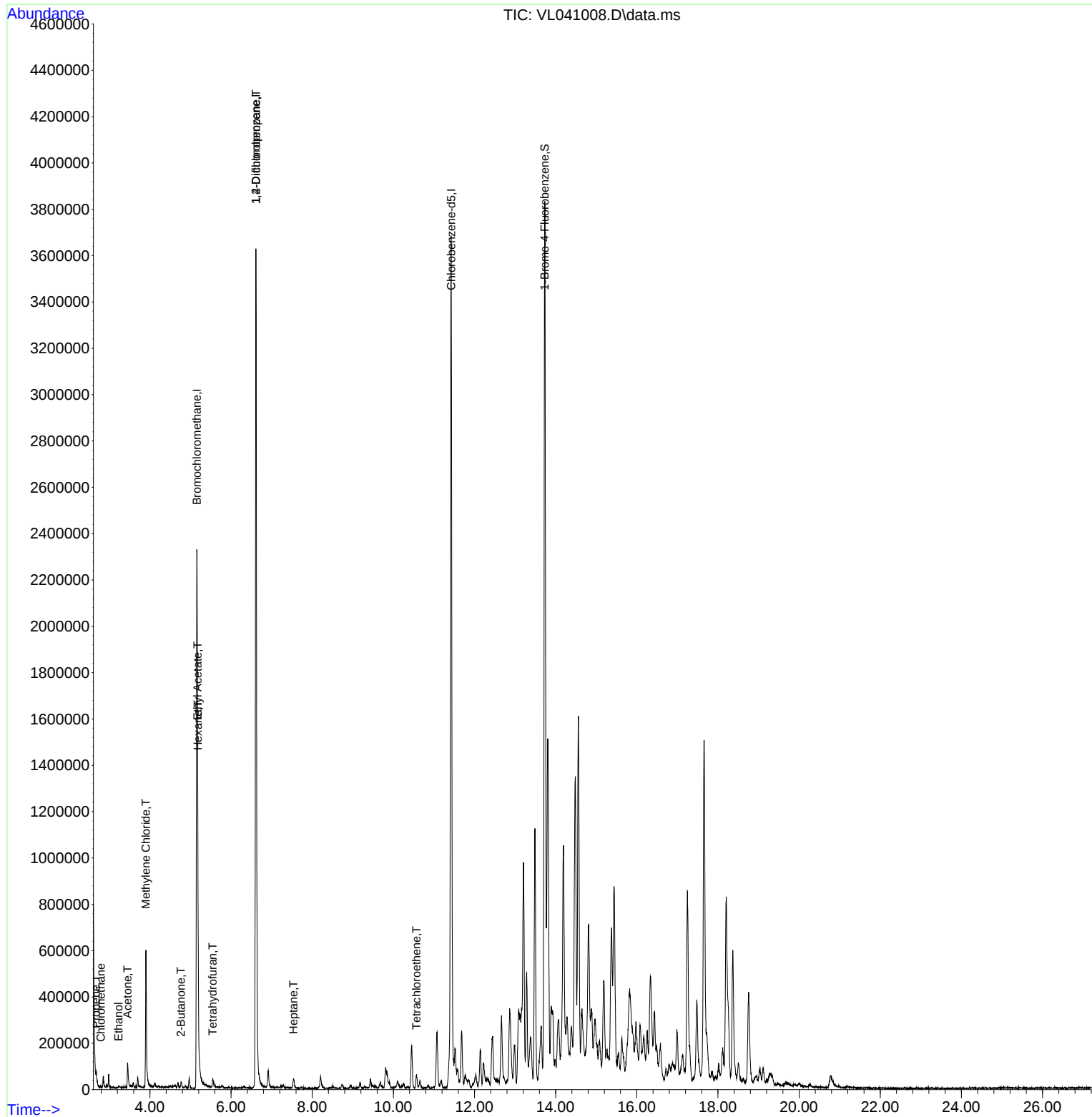
Internal Standards						
1) Bromochloromethane	5.156	49	1074310	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.613	114	2873549	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.423	117	2510099	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.732	95	1890556	9.972	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%
Target Compounds						
					Qvalue	
4) Chloromethane	2.790	50	3373	0.050	ppbv	93
9) Propene	2.671	41	5796	0.098	ppbv #	13
10) Heptane	7.539	43	16882	0.116	ppbv #	86
13) Ethanol	3.224	45	3809	0.270	ppbv #	28
15) Acetone	3.449	43	105174	0.766	ppbv	91
20) Methylene Chloride	3.899	84	192448	3.640	ppbv	91
25) Ethyl Acetate	5.176	43	197200	0.792	ppbv #	76
26) Hexane	5.179	57	282299	2.659	ppbv #	39
34) 2-Butanone	4.767	43	32554	0.238	ppbv #	89
39) 1,2-Dichloropropane	6.613	63	688502	7.364	ppbv #	24
41) Tetrahydrofuran	5.546	42	8333	0.090	ppbv #	38
52) Tetrachloroethene	10.571	164	3182	0.040	ppbv #	60

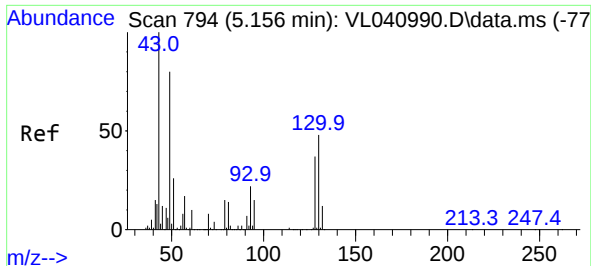
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
Data File : VL041008.D
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Operator : SY/MD
Sample : P1212-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Jan 24 01:02:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Jan 24 00:50:15 2024
Response via : Initial Calibration

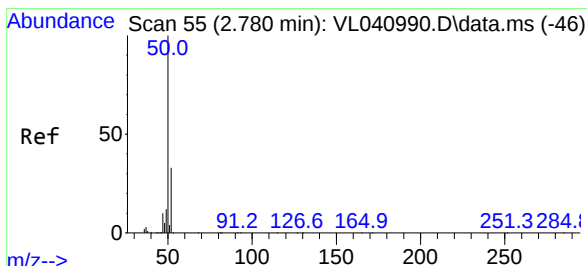
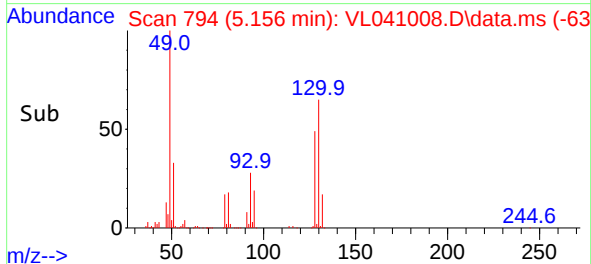
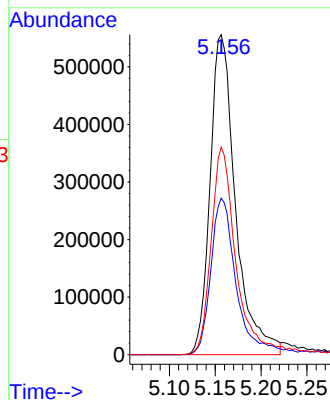
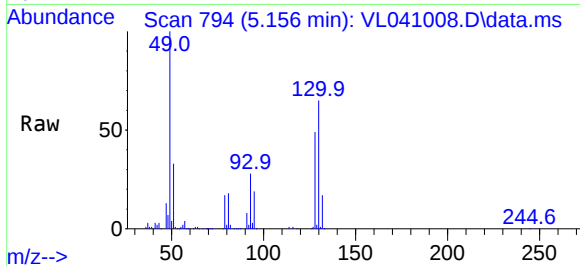




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.156 min Scan# 794
Delta R.T. 0.000 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

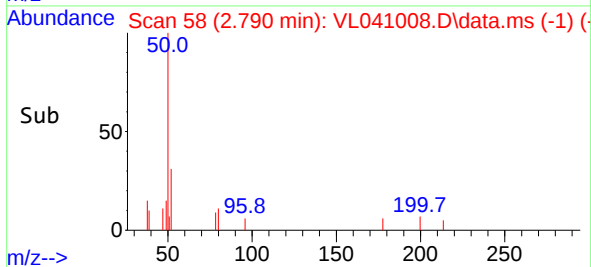
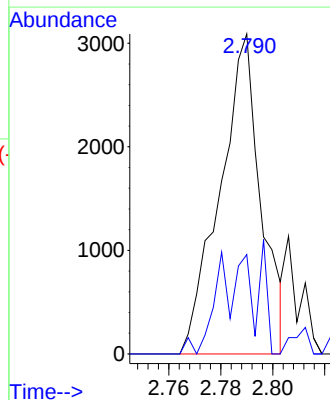
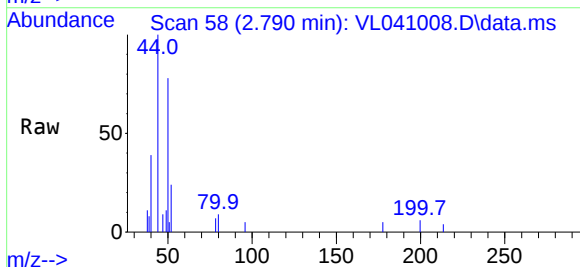
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

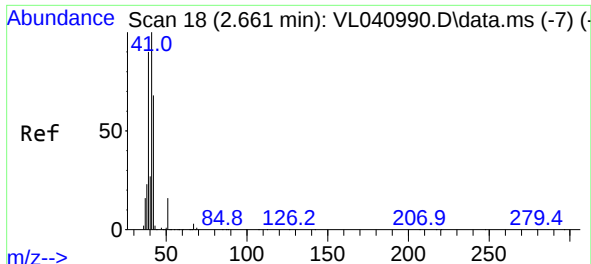
Tgt Ion: 49 Resp: 1074310
Ion Ratio Lower Upper
49 100
128 51.2 23.9 71.7
130 65.4 31.1 93.5



#4
Chloromethane
Concen: 0.050 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.010 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

Tgt Ion: 50 Resp: 3373
Ion Ratio Lower Upper
50 100
52 29.1 26.2 39.4

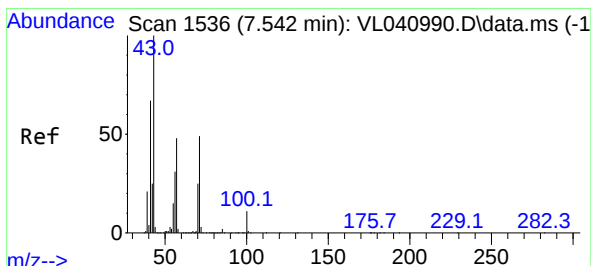
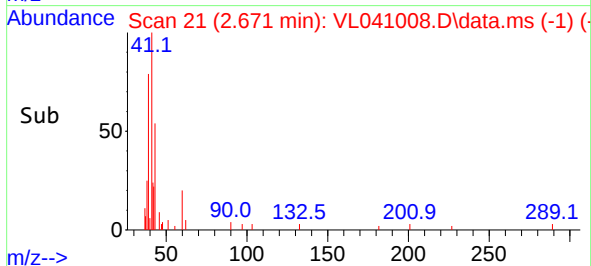
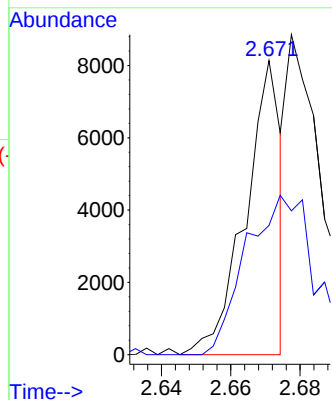
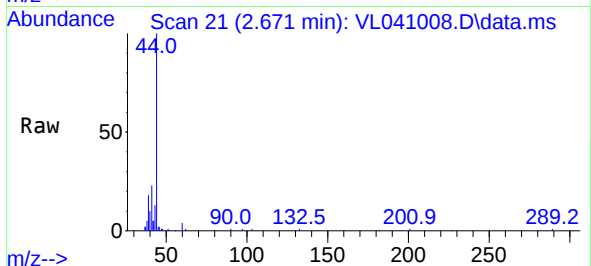




#9
Propene
Concen: 0.098 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

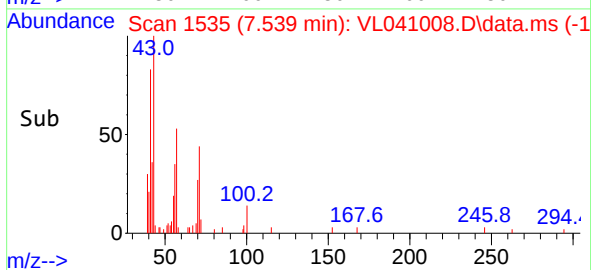
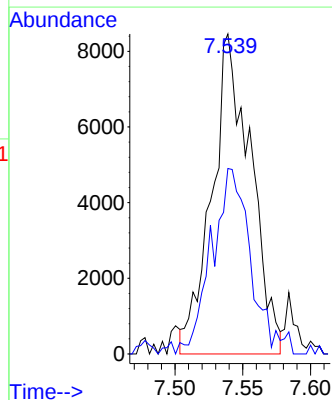
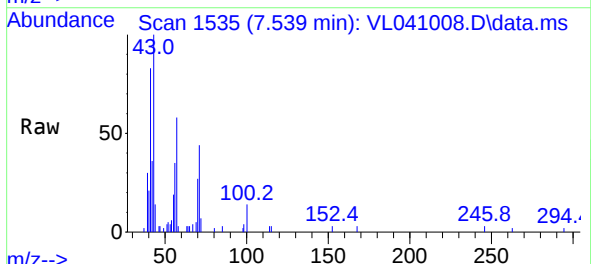
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

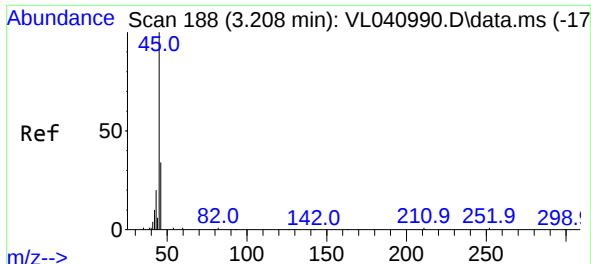
Tgt Ion: 41 Resp: 5796
Ion Ratio Lower Upper
41 100
42 0.0 59.0 88.4#



#10
Heptane
Concen: 0.116 ppbv
RT: 7.539 min Scan# 1535
Delta R.T. -0.003 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

Tgt Ion: 43 Resp: 16882
Ion Ratio Lower Upper
43 100
57 59.2 39.4 59.2#

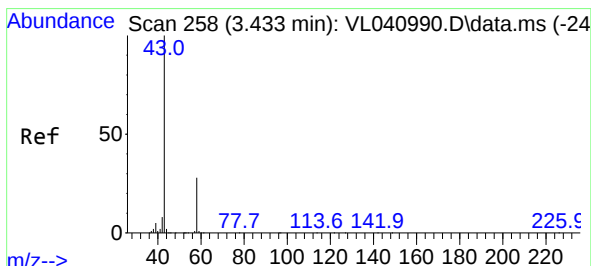
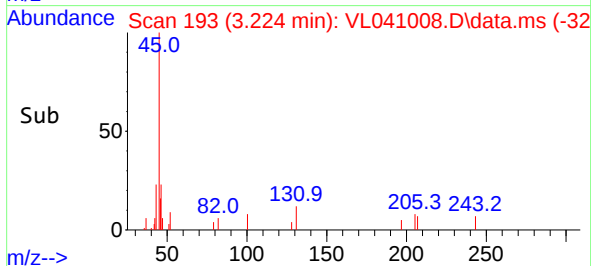
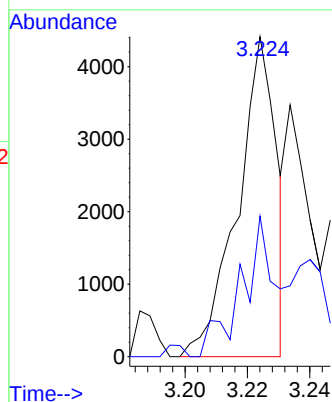
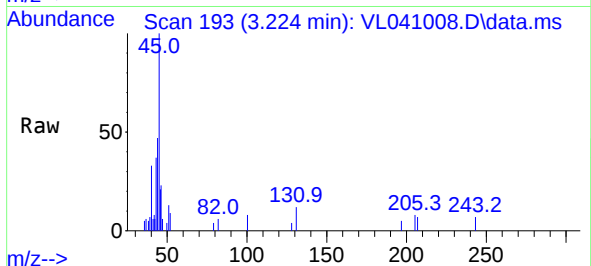




#13
Ethanol
Concen: 0.270 ppbv
RT: 3.224 min Scan# 193
Delta R.T. 0.016 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

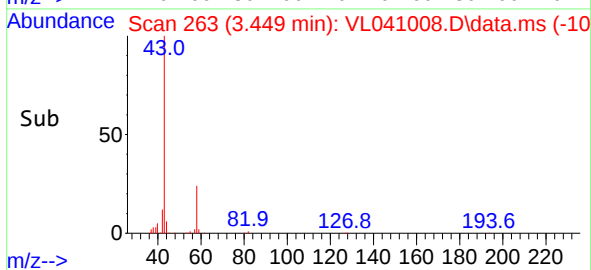
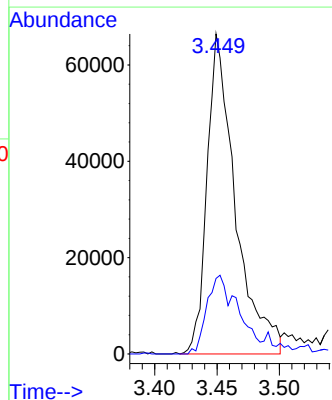
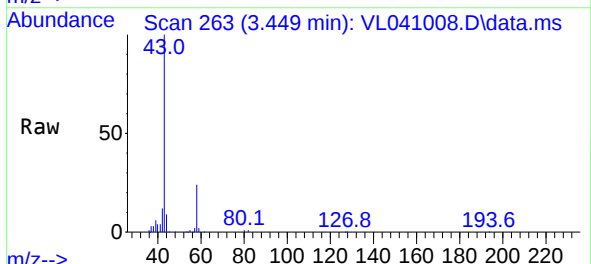
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

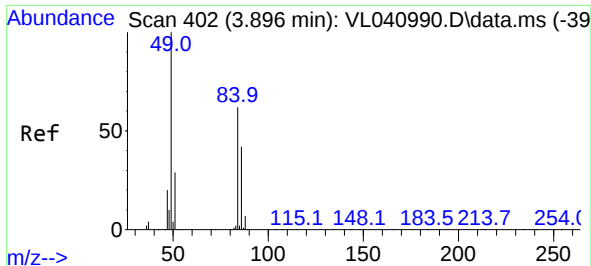
Tgt Ion: 45 Resp: 3809
Ion Ratio Lower Upper
45 100
46 85.3 16.2 64.8#



#15
Acetone
Concen: 0.766 ppbv
RT: 3.449 min Scan# 263
Delta R.T. 0.016 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

Tgt Ion: 43 Resp: 105174
Ion Ratio Lower Upper
43 100
58 32.2 22.2 33.2



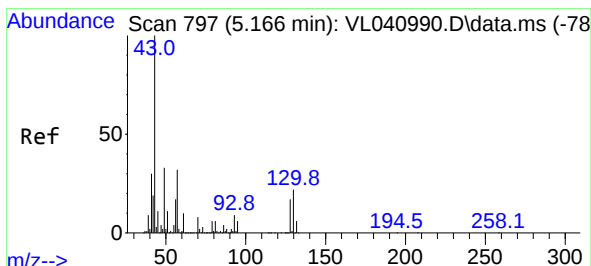
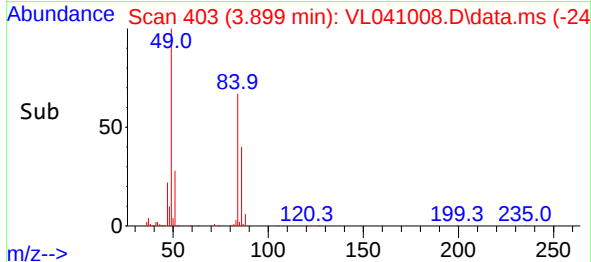
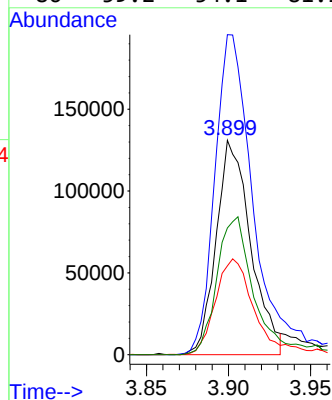
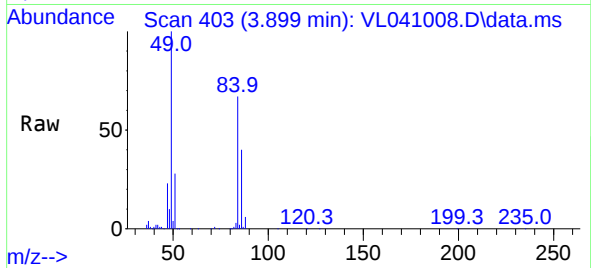


#20
Methylene Chloride
Concen: 3.640 ppbv
RT: 3.899 min Scan# 402
Delta R.T. 0.003 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 84 Resp: 192448

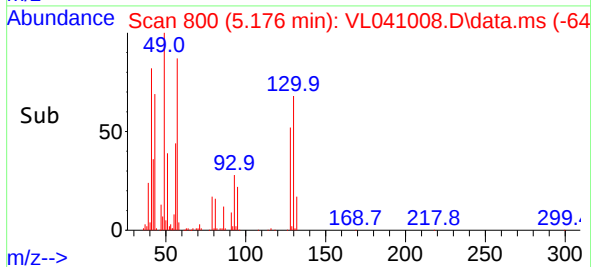
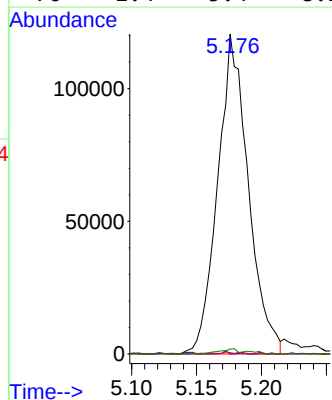
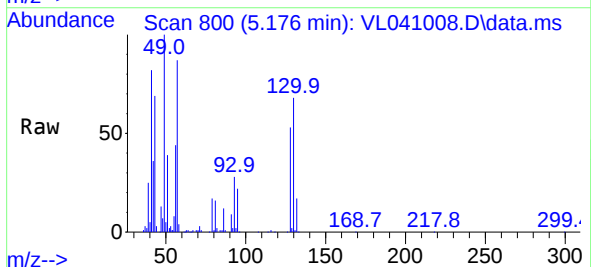
Ion	Ratio	Lower	Upper
84	100		
49	149.0	128.1	192.1
51	41.4	36.5	54.7
86	59.2	54.1	81.1

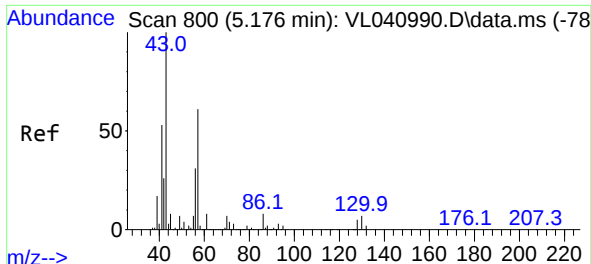


#25
Ethyl Acetate
Concen: 0.792 ppbv
RT: 5.176 min Scan# 800
Delta R.T. 0.010 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

Tgt Ion: 43 Resp: 197200

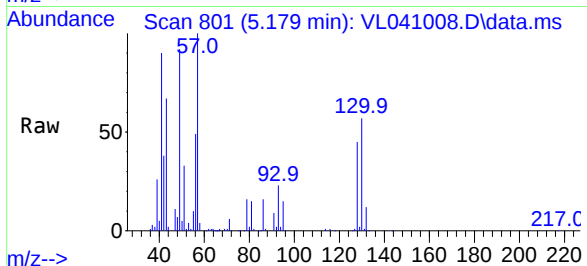
Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.2	12.4#
61	0.3	7.9	11.9#
70	1.4	5.4	8.2#





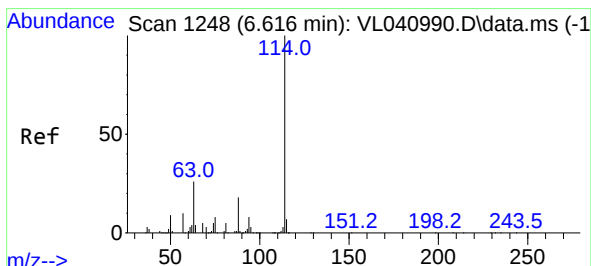
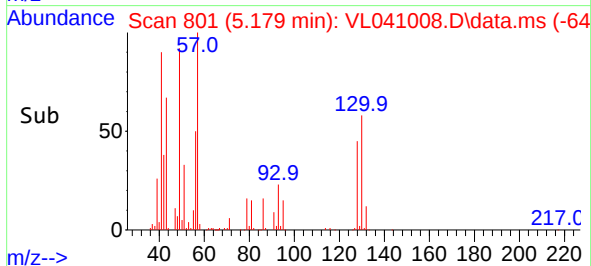
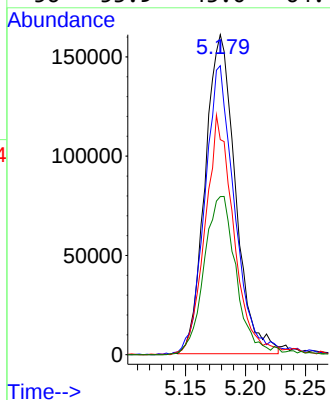
#26
Hexane
Concen: 2.659 ppbv
RT: 5.179 min Scan# 800
Delta R.T. 0.003 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 57 Resp: 282299

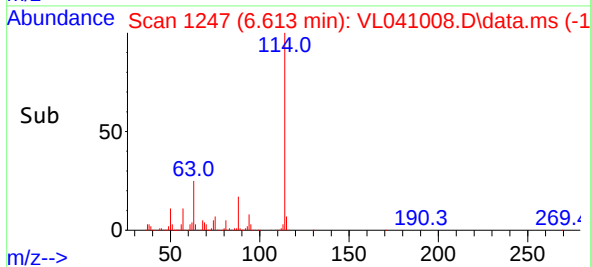
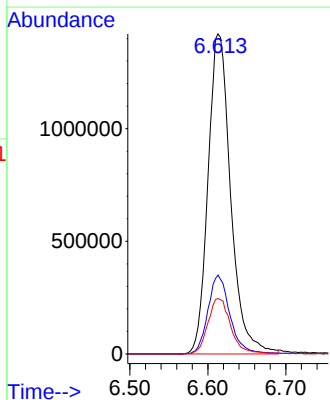
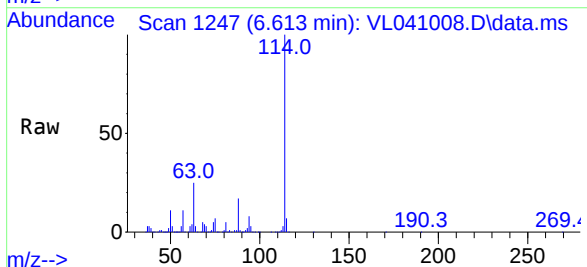
Ion	Ratio	Lower	Upper
57	100		
41	91.6	74.4	111.6
43	73.0	190.6	285.8#
56	53.9	43.0	64.4

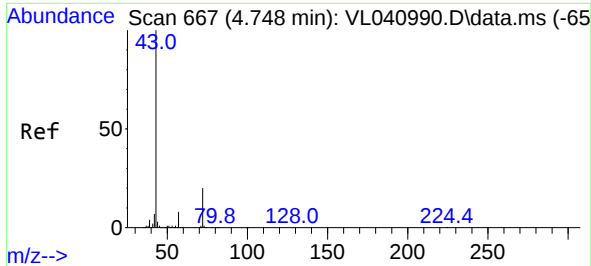


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.613 min Scan# 1247
Delta R.T. -0.003 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

Tgt Ion: 114 Resp: 2873549

Ion	Ratio	Lower	Upper
114	100		
63	24.3	20.8	31.2
88	17.6	14.3	21.5

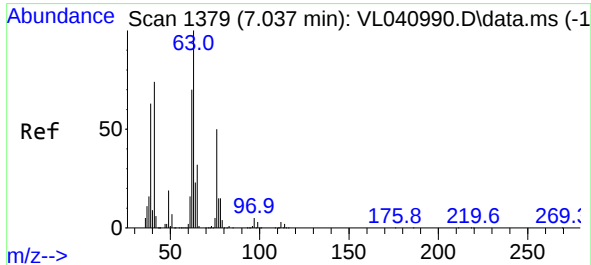
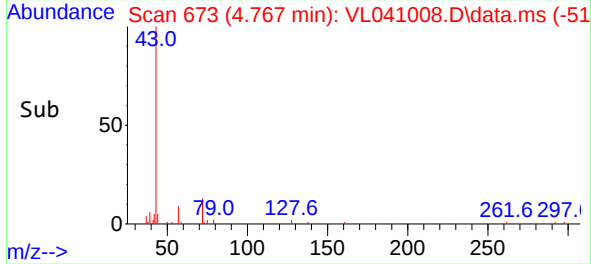
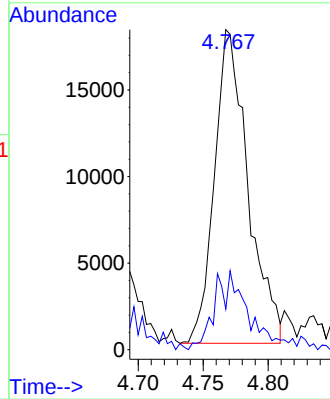
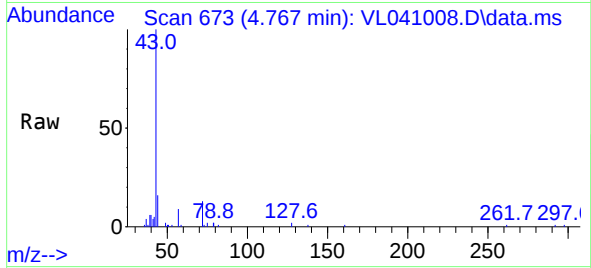




#34
2-Butanone
Concen: 0.238 ppbv
RT: 4.767 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

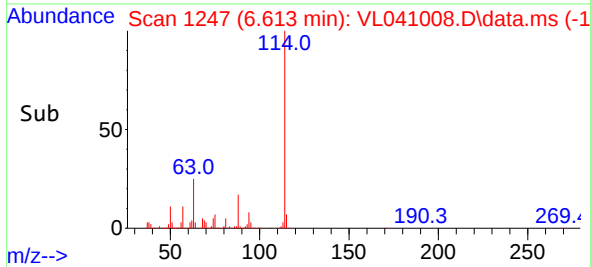
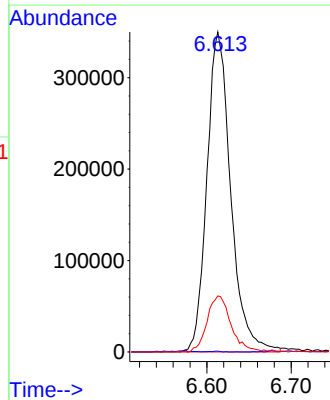
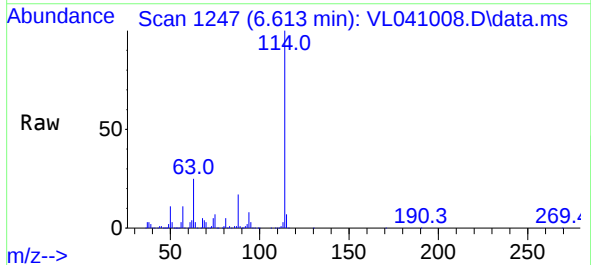
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

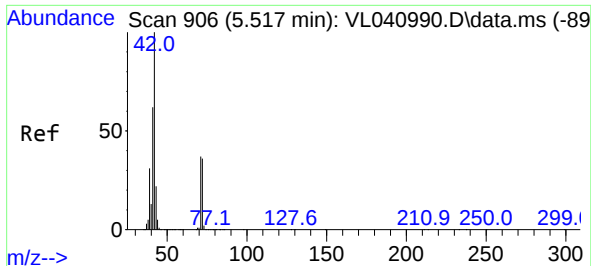
Tgt Ion: 43 Resp: 32554
Ion Ratio Lower Upper
43 100
72 27.0 17.5 26.3#



#39
1,2-Dichloropropane
Concen: 7.364 ppbv
RT: 6.613 min Scan# 1247
Delta R.T. -0.424 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

Tgt Ion: 63 Resp: 688502
Ion Ratio Lower Upper
63 100
41 0.1 59.6 89.4#
62 17.5 55.6 83.4#





#41

Tetrahydrofuran

Concen: 0.090 ppbv

RT: 5.546 min Scan# 915

Delta R.T. 0.029 min

Lab File: VL041008.D

Acq: 23 Jan 2024 22:46

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

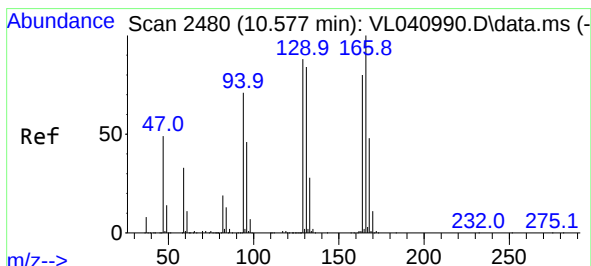
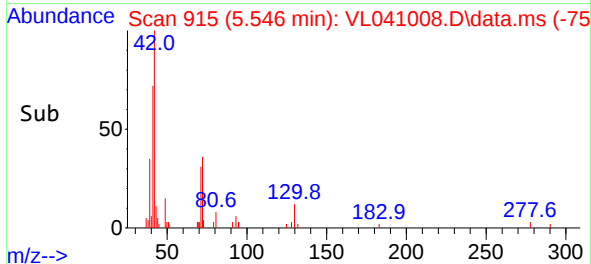
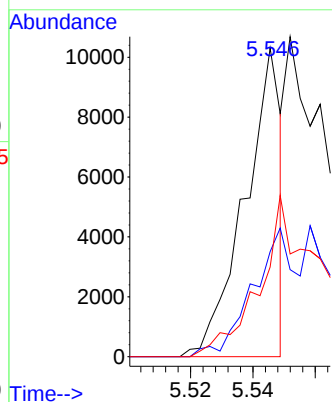
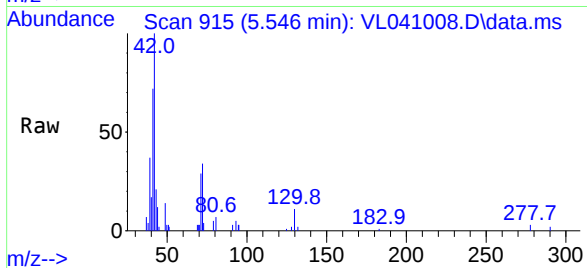
Tgt Ion: 42 Resp: 8333

Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

71 0.0 29.5 44.3#



#52

Tetrachloroethene

Concen: 0.040 ppbv

RT: 10.571 min Scan# 2478

Delta R.T. -0.006 min

Lab File: VL041008.D

Acq: 23 Jan 2024 22:46

Tgt Ion: 164 Resp: 3182

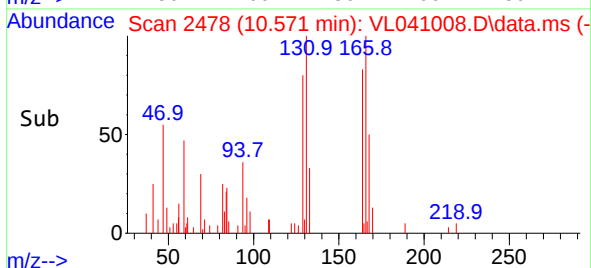
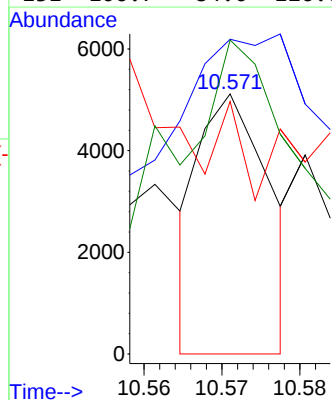
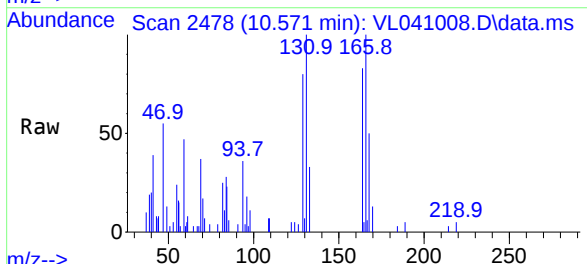
Ion Ratio Lower Upper

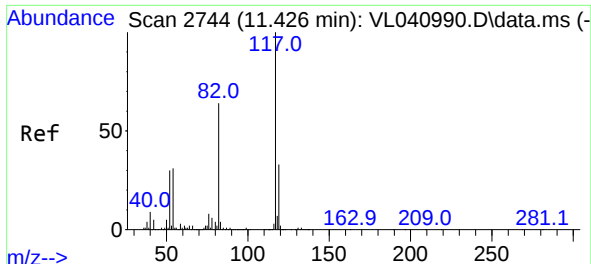
164 100

166 86.4 100.2 150.2#

129 23.5 87.9 131.9#

131 106.7 84.0 126.0

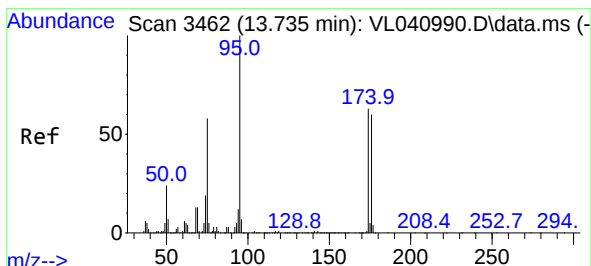
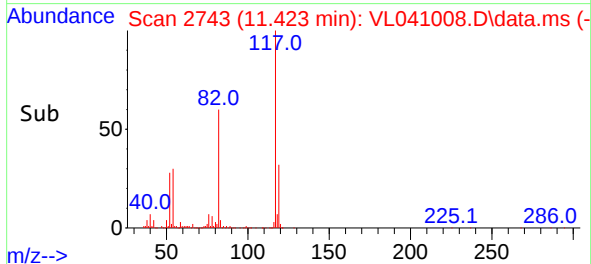
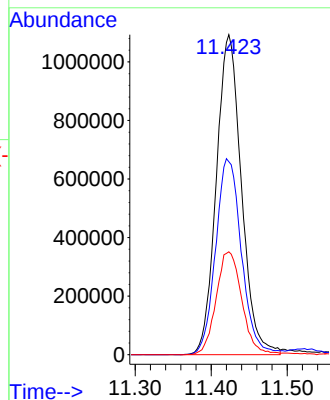
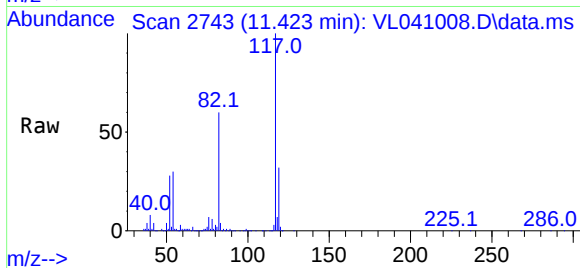




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.423 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:117 Resp: 2510099
Ion Ratio Lower Upper
117 100
82 62.9 51.7 77.5
119 33.3 23.8 35.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.972 ppbv
RT: 13.732 min Scan# 3461
Delta R.T. -0.003 min
Lab File: VL041008.D
Acq: 23 Jan 2024 22:46

Tgt Ion: 95 Resp: 1890556
Ion Ratio Lower Upper
95 100
174 63.7 49.1 73.7
175 4.7 3.7 5.5

