

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
 Data File : VL040617.D
 Acq On : 9 Aug 2023 22:42
 Operator : SY/MD
 Sample : 03950-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Aug 10 01:33:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

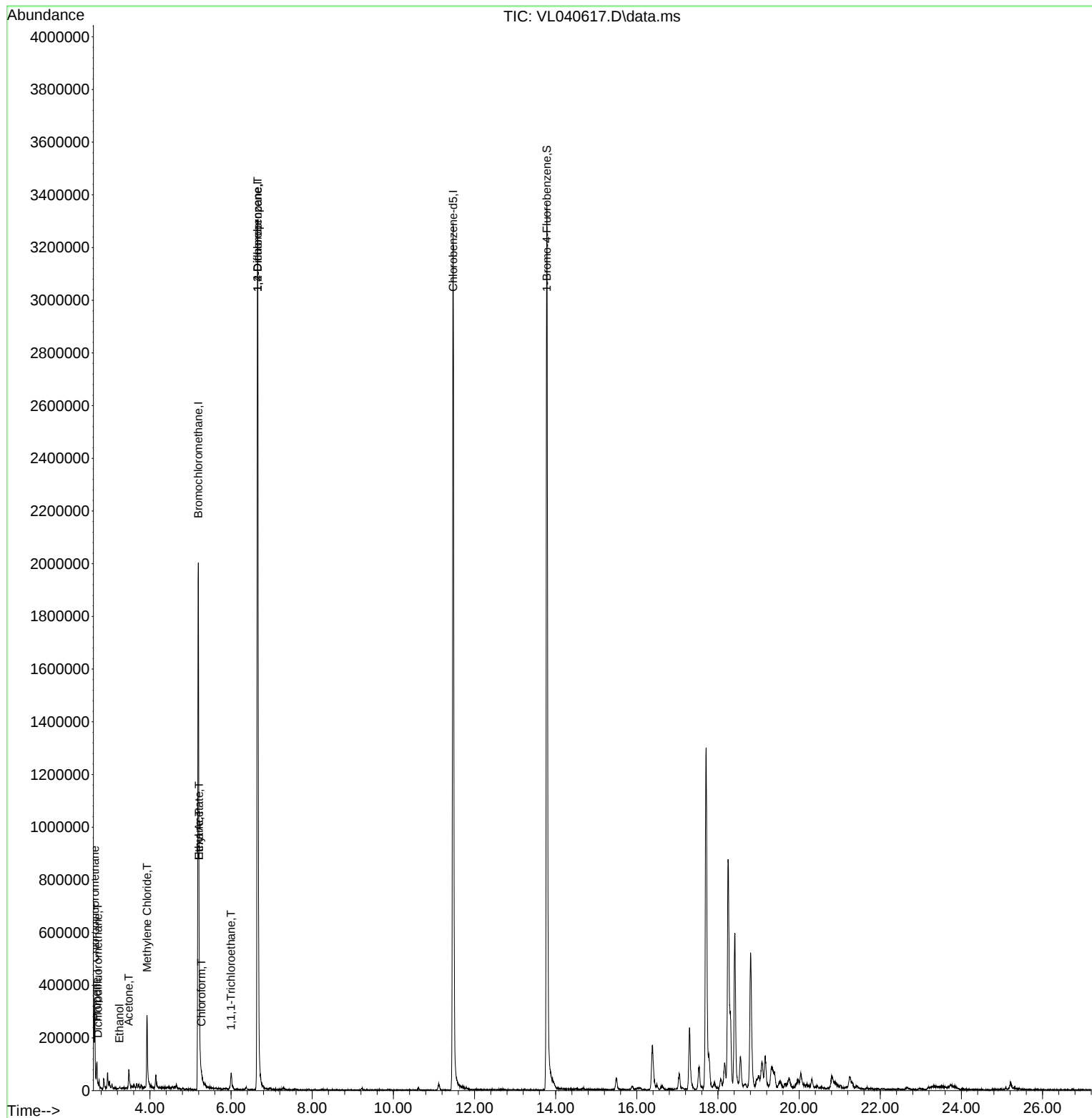
Internal Standards						
1) Bromochloromethane	5.192	49	956826	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2406027	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	1980180	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1624912	10.368	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.700%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.719	85	5970	0.031	ppbv	91
3) Chlorodifluoromethane	2.642	51	31057	0.205	ppbv #	62
9) Propene	2.684	41	30477	0.587	ppbv	91
13) Ethanol	3.250	45	2282	0.202	ppbv #	37
15) Acetone	3.478	43	31132	0.283	ppbv #	22
20) Methylene Chloride	3.931	84	91072	1.944	ppbv	92
25) Ethyl Acetate	5.211	43	25182	0.120	ppbv #	76
26) Hexane	5.211	57	36412	0.374	ppbv #	36
29) Chloroform	5.272	83	5376	0.033	ppbv	99
32) 1,1,1-Trichloroethane	5.996	97	15572	0.098	ppbv #	1
39) 1,2-Dichloropropane	6.651	63	619316	8.310	ppbv #	26

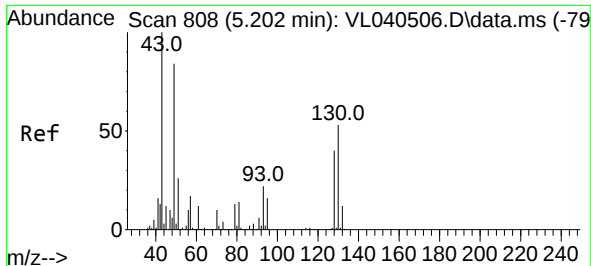
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 10 01:33:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

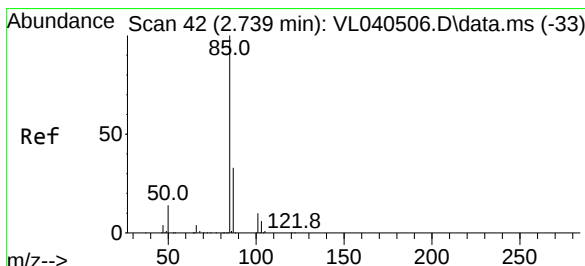
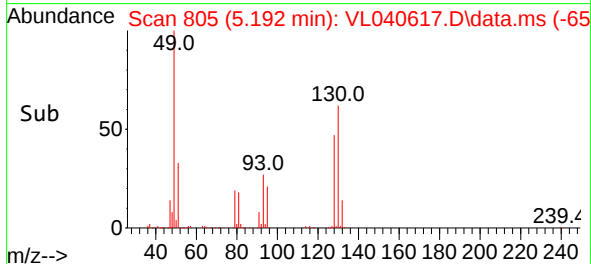
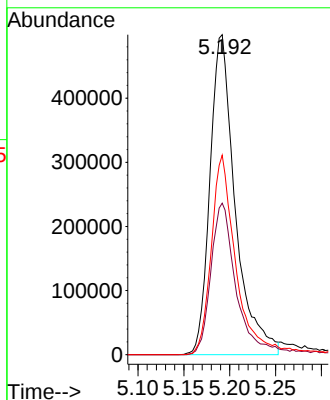
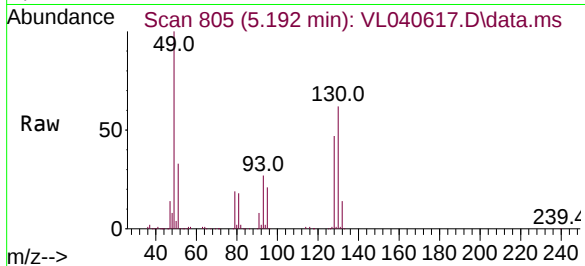




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. -0.010 min
 Lab File: VL040617.D
 Acq: 9 Aug 2023 22:42

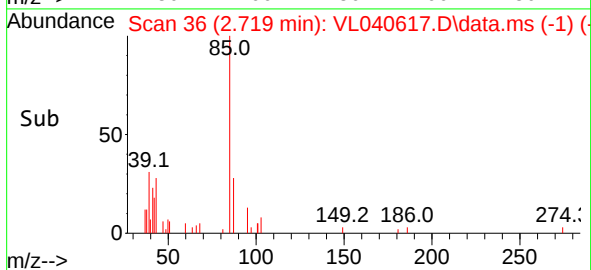
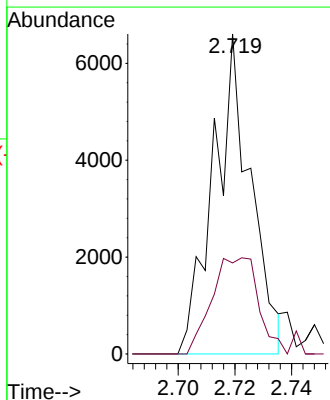
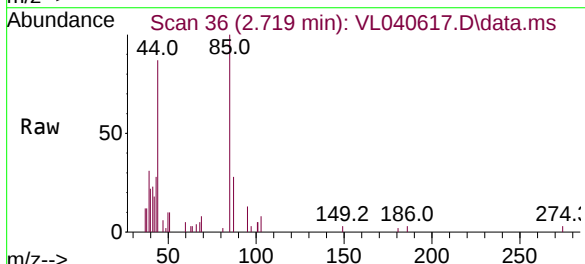
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

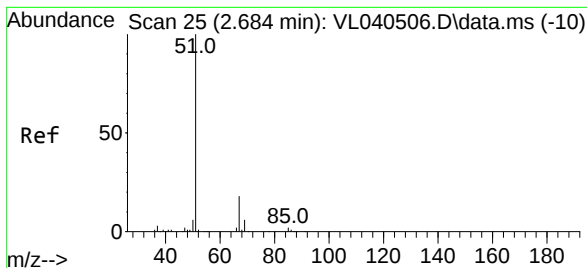
Tgt Ion: 49 Resp: 956826
 Ion Ratio Lower Upper
 49 100
 128 49.5 25.1 75.4
 130 62.0 31.6 94.7



#2
 Dichlorodifluoromethane
 Concen: 0.031 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. -0.019 min
 Lab File: VL040617.D
 Acq: 9 Aug 2023 22:42

Tgt Ion: 85 Resp: 5970
 Ion Ratio Lower Upper
 85 100
 87 28.5 26.8 40.2

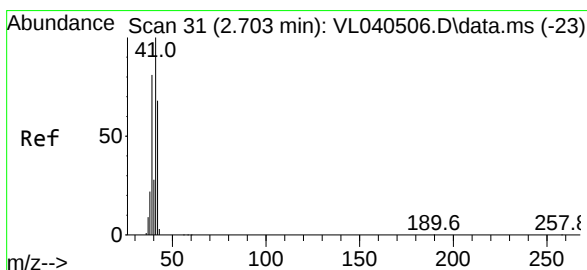
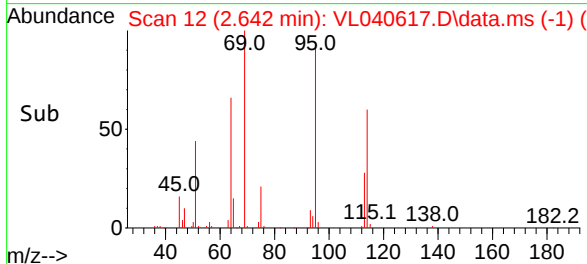
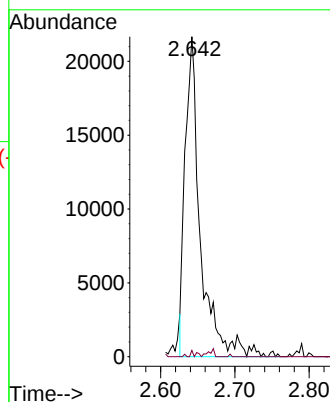
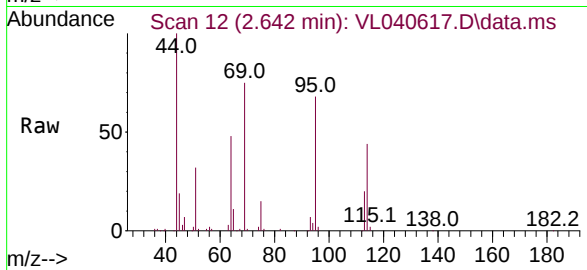




#3
Chlorodifluoromethane
Concen: 0.205 ppbv
RT: 2.642 min Scan# 11
Delta R.T. -0.042 min
Lab File: VL040617.D
Acq: 9 Aug 2023 22:42

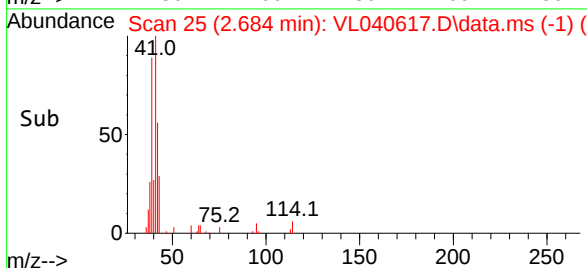
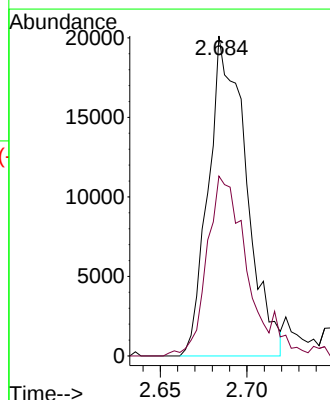
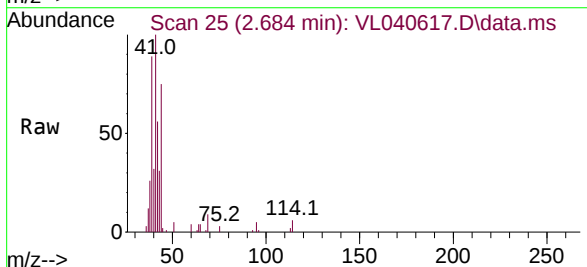
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

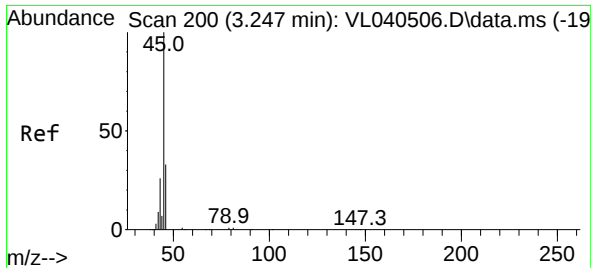
Tgt Ion: 51 Resp: 31057
Ion Ratio Lower Upper
51 100
67 1.2 14.6 21.8#



#9
Propene
Concen: 0.587 ppbv
RT: 2.684 min Scan# 25
Delta R.T. -0.019 min
Lab File: VL040617.D
Acq: 9 Aug 2023 22:42

Tgt Ion: 41 Resp: 30477
Ion Ratio Lower Upper
41 100
42 61.5 55.0 82.6

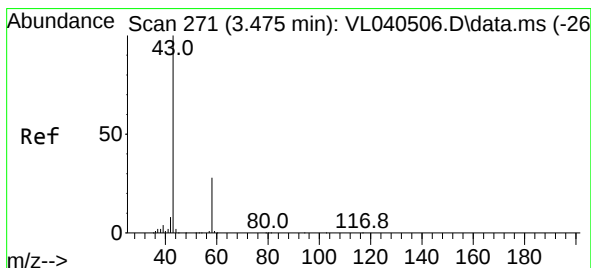
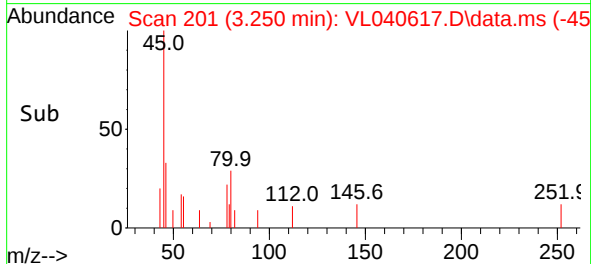
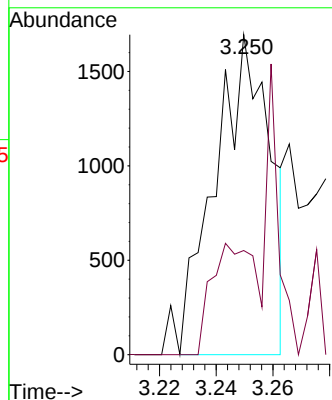
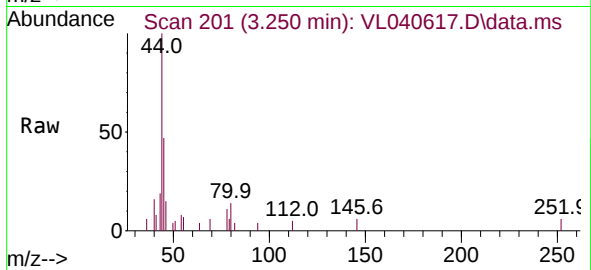




#13
Ethanol
Concen: 0.202 ppbv
RT: 3.250 min Scan# 200
Delta R.T. 0.003 min
Lab File: VL040617.D
Acq: 9 Aug 2023 22:42

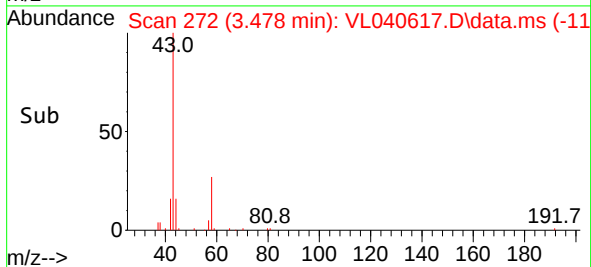
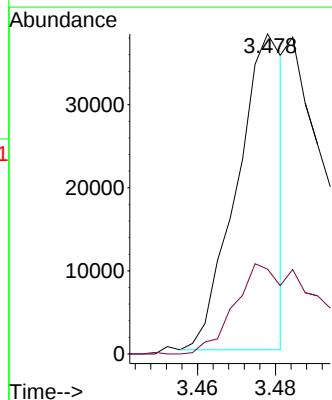
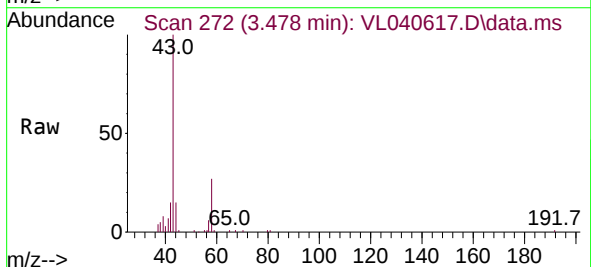
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

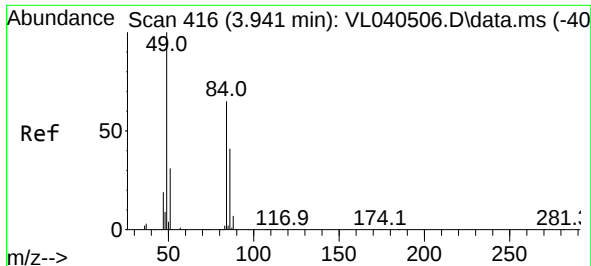
Tgt Ion: 45 Resp: 2282
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1#



#15
Acetone
Concen: 0.283 ppbv
RT: 3.478 min Scan# 272
Delta R.T. 0.003 min
Lab File: VL040617.D
Acq: 9 Aug 2023 22:42

Tgt Ion: 43 Resp: 31132
Ion Ratio Lower Upper
43 100
58 70.0 22.9 34.3#



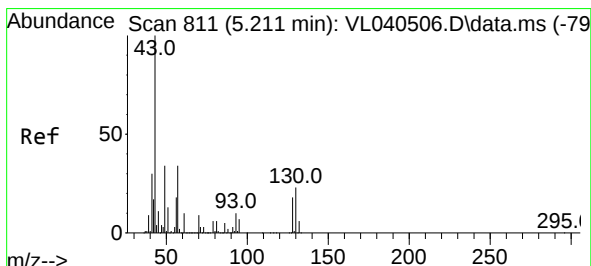
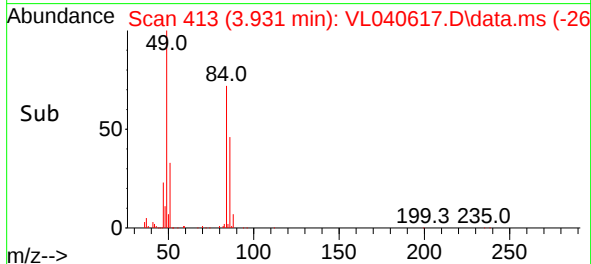
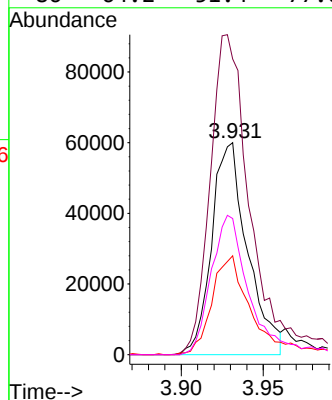
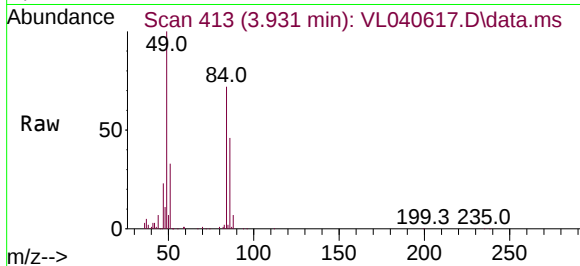


#20
Methylene Chloride
Concen: 1.944 ppbv
RT: 3.931 min Scan# 416
Delta R.T. -0.010 min
Lab File: VL040617.D
Acq: 9 Aug 2023 22:42

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 84 Resp: 91072

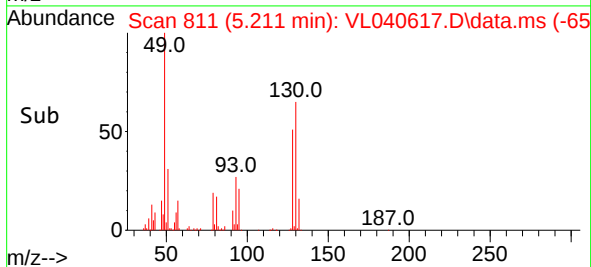
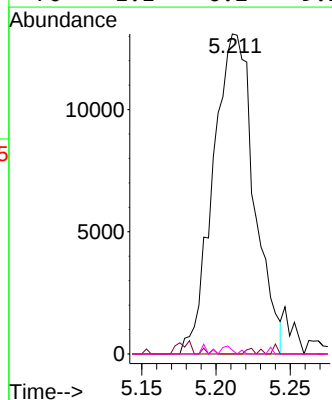
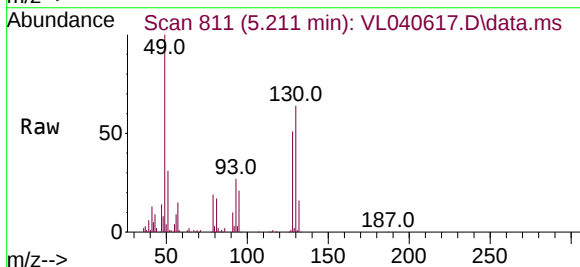
Ion	Ratio	Lower	Upper
84	100		
49	138.0	123.4	185.2
51	45.9	38.3	57.5
86	64.2	51.4	77.0

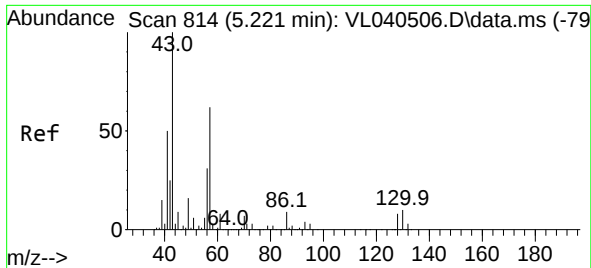


#25
Ethyl Acetate
Concen: 0.120 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.000 min
Lab File: VL040617.D
Acq: 9 Aug 2023 22:42

Tgt Ion: 43 Resp: 25182

Ion	Ratio	Lower	Upper
43	100		
45	1.4	8.2	12.4#
61	0.0	8.3	12.5#
70	1.1	6.2	9.2#

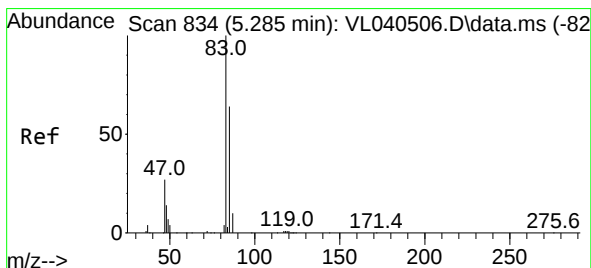
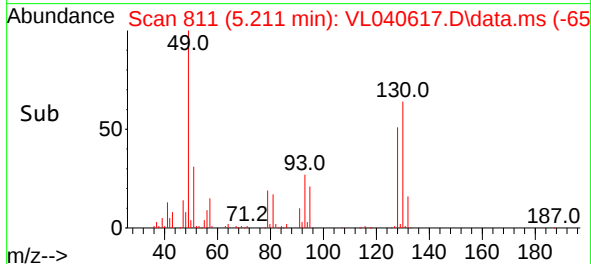
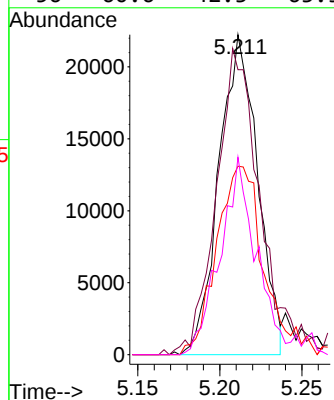
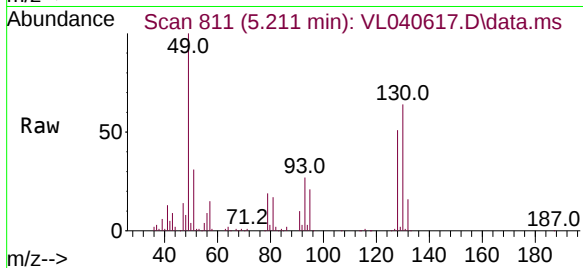




#26
Hexane
Concen: 0.374 ppbv
RT: 5.211 min Scan# 814
Delta R.T. -0.010 min
Lab File: VL040617.D
Acq: 9 Aug 2023 22:42

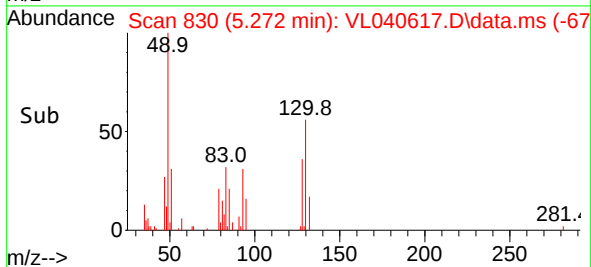
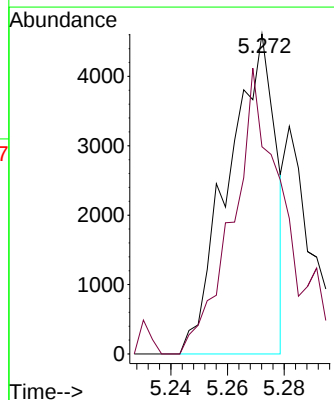
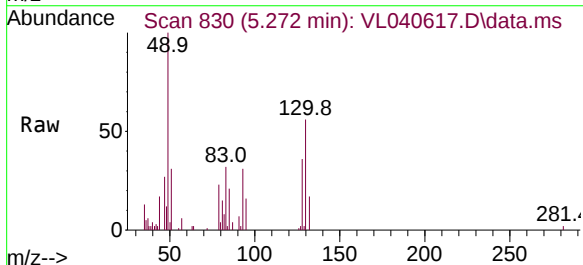
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

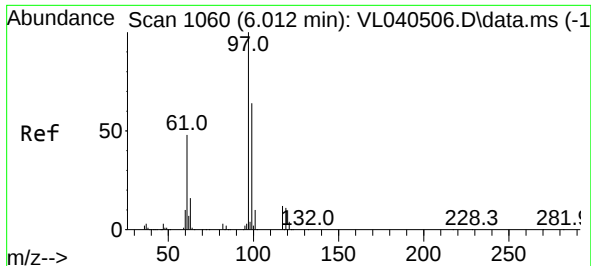
Tgt Ion: 57 Resp: 36412
Ion Ratio Lower Upper
57 100
41 111.0 69.5 104.3#
43 72.6 177.1 265.7#
56 60.6 42.3 63.5



#29
Chloroform
Concen: 0.033 ppbv
RT: 5.272 min Scan# 830
Delta R.T. -0.013 min
Lab File: VL040617.D
Acq: 9 Aug 2023 22:42

Tgt Ion: 83 Resp: 5376
Ion Ratio Lower Upper
83 100
85 64.7 51.1 76.7

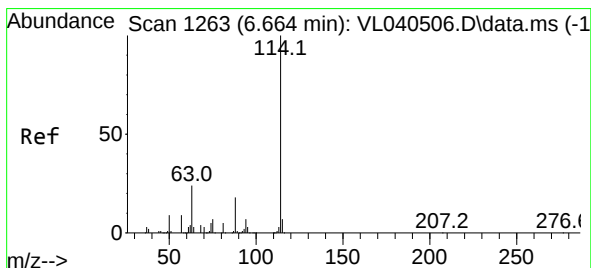
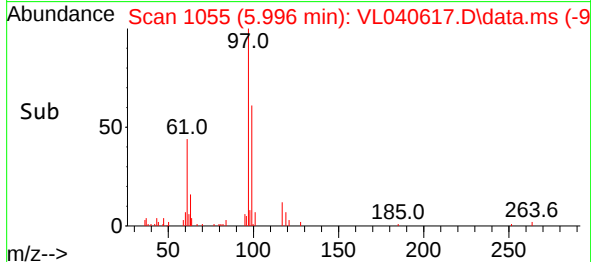
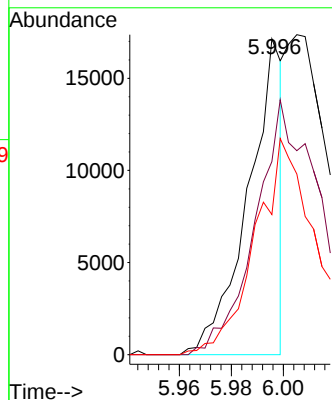
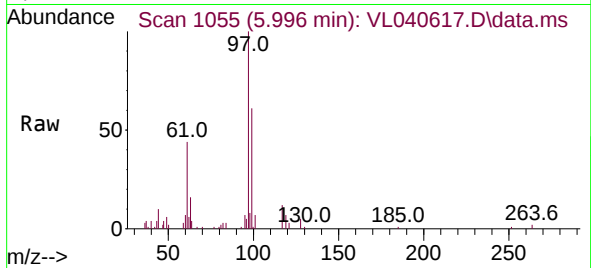




#32
 1,1,1-Trichloroethane
 Concen: 0.098 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. -0.016 min
 Lab File: VL040617.D
 Acq: 9 Aug 2023 22:42

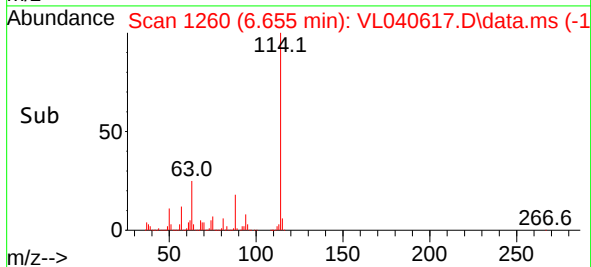
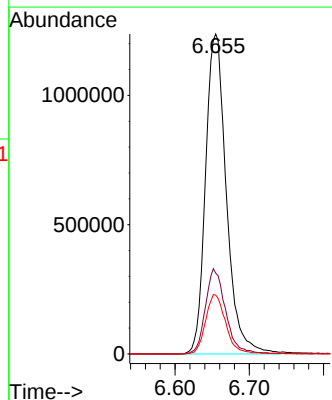
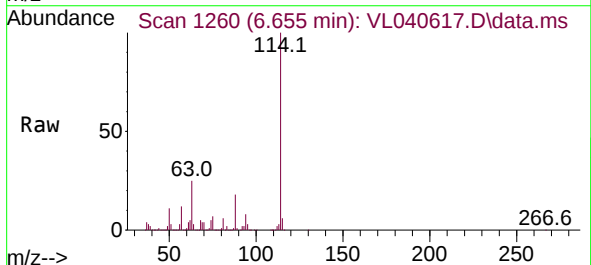
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 MSVOA_L
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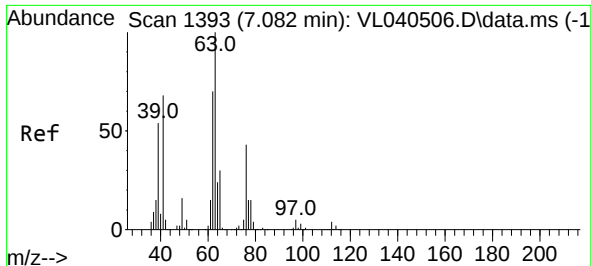
Tgt Ion: 97 Resp: 15572
 Ion Ratio Lower Upper
 97 100
 99 163.1 52.0 78.0#
 61 129.3 38.9 58.3#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.655 min Scan# 1260
 Delta R.T. -0.010 min
 Lab File: VL040617.D
 Acq: 9 Aug 2023 22:42

Tgt Ion: 114 Resp: 2406027
 Ion Ratio Lower Upper
 114 100
 63 26.0 19.6 29.4
 88 18.2 14.2 21.2





#39

1,2-Dichloropropane

Concen: 8.310 ppbv

RT: 6.651 min Scan# 1

Delta R.T. -0.431 min

Lab File: VL040617.D

Acq: 9 Aug 2023 22:42

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

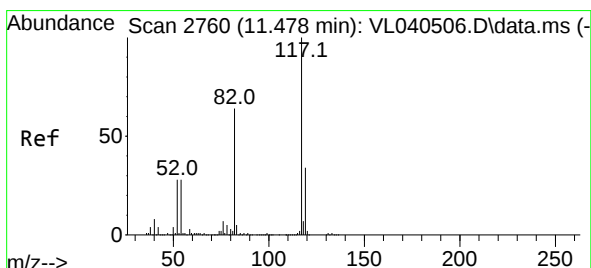
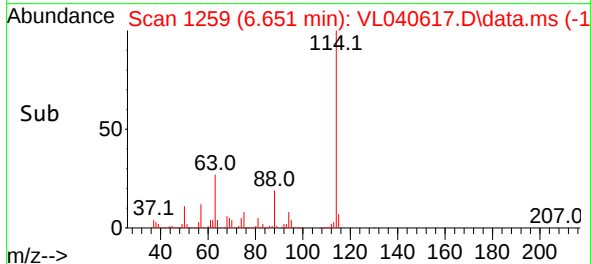
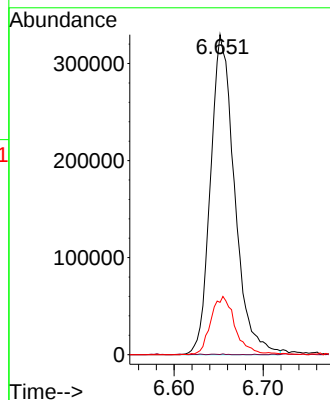
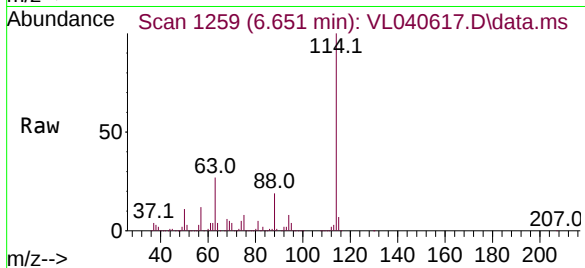
Tgt Ion: 63 Resp: 619316

Ion Ratio Lower Upper

63 100

41 0.1 54.3 81.5#

62 16.4 55.6 83.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 2758

Delta R.T. -0.007 min

Lab File: VL040617.D

Acq: 9 Aug 2023 22:42

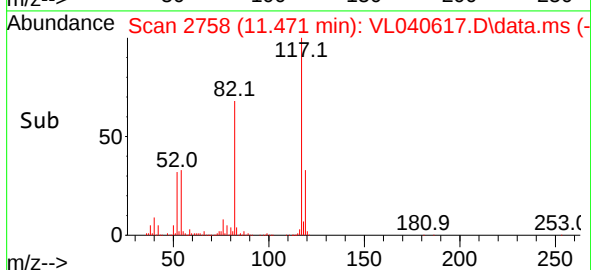
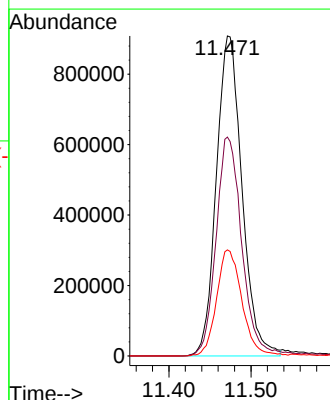
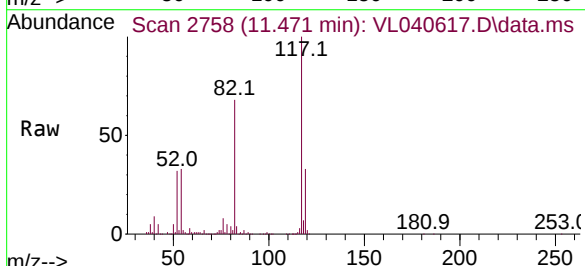
Tgt Ion: 117 Resp: 1980180

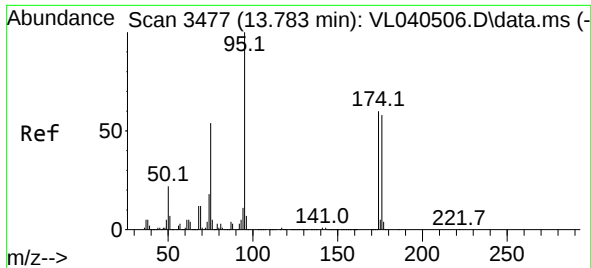
Ion Ratio Lower Upper

117 100

82 69.8 50.2 75.4

119 33.3 26.9 40.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.368 ppbv
 RT: 13.780 min Scan# 34
 Delta R.T. -0.003 min
 Lab File: VL040617.D
 Acq: 9 Aug 2023 22:42

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tgt Ion: 95 Resp: 1624912
 Ion Ratio Lower Upper
 95 100
 174 60.7 50.6 75.8
 175 4.3 3.7 5.5

