

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041846.D
 Acq On : 07 Jan 2025 15:55
 Operator : SY/MD
 Sample : VL0107ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 08 03:55:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jan 08 03:26:12 2025
 Response via : Initial Calibration

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

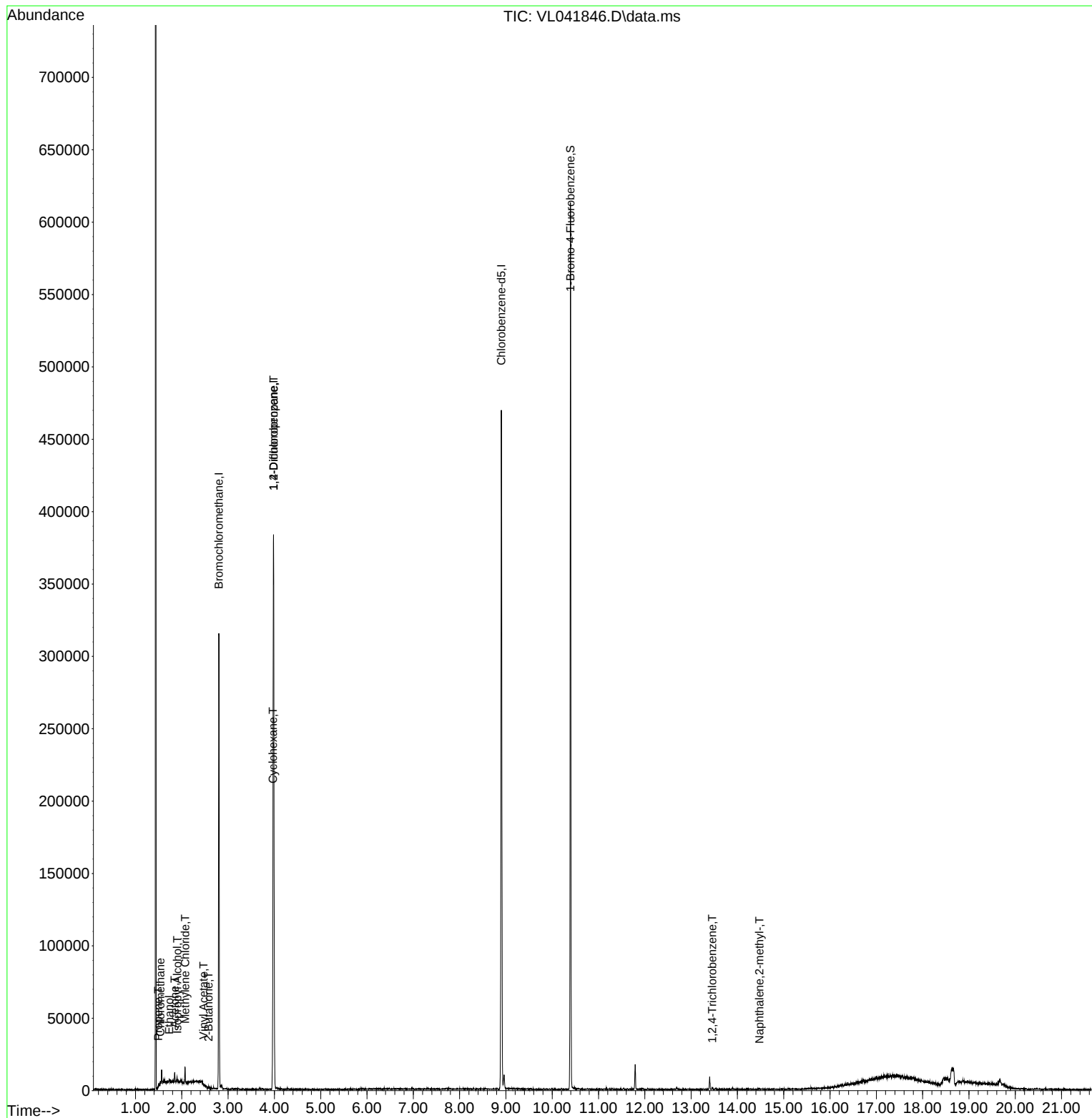
Internal Standards						
1) Bromochloromethane	2.800	49	90245	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	205689	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	171847	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	136731	9.290	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.900%
Target Compounds						
					Qvalue	
4) Chloromethane	1.538	50	296	0.049	ppbv #	83
9) Propene	1.492	41	448	0.091	ppbv #	66
13) Ethanol	1.729	45	688	1.063	ppbv #	38
15) Acetone	1.845	43	3510	0.211	ppbv	98
19) Isopropyl Alcohol	1.900	45	1377	0.177	ppbv #	94
20) Methylene Chloride	2.072	84	1573	0.331	ppbv #	91
23) Vinyl Acetate	2.467	43	299	0.058	ppbv #	1
30) Cyclohexane	3.968	84	738	0.101	ppbv #	1
34) 2-Butanone	2.577	43	511	0.032	ppbv #	78
39) 1,2-Dichloropropane	3.981	63	57161	7.520	ppbv #	16
80) Naphthalene,2-methyl-	14.475	142	375	0.056	ppbv #	83
81) 1,2,4-Trichlorobenzene	13.455	180	331	0.033	ppbv #	82

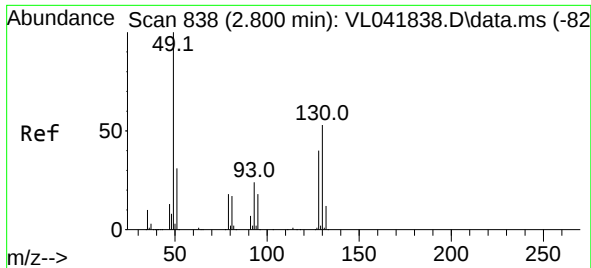
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
ClientSampleId :

Quant Time: Jan 08 03:55:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration

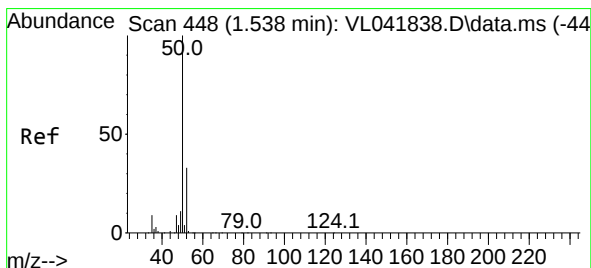
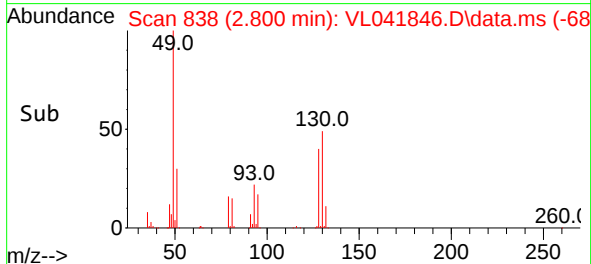
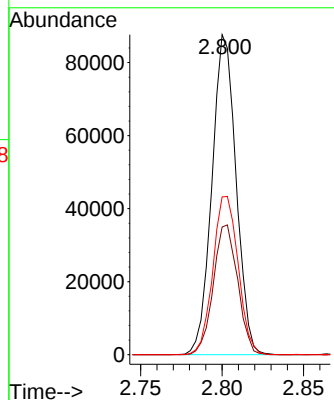
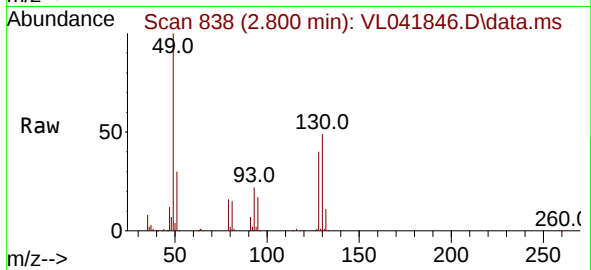




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL041846.D
Acq: 07 Jan 2025 15:55

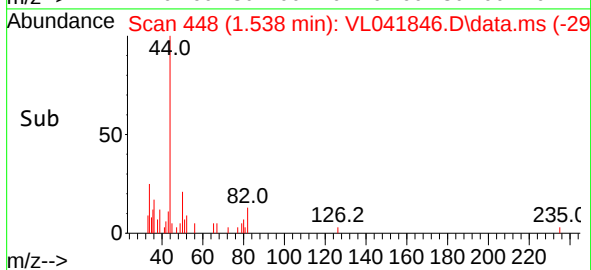
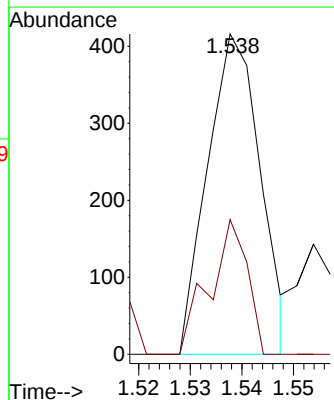
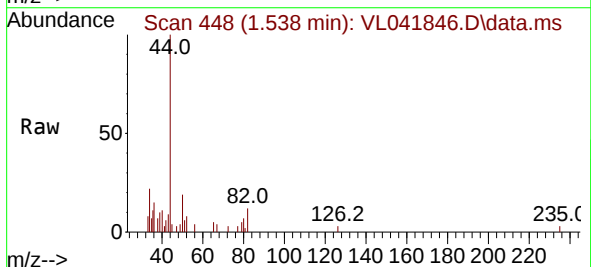
Instrument :
MSVOA_L
ClientSampleId :

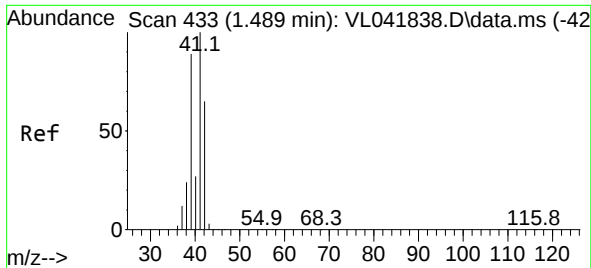
Tgt Ion: 49 Resp: 90245
Ion Ratio Lower Upper
49 100
128 40.9 19.7 59.1
130 51.7 26.4 79.2



#4
Chloromethane
Concen: 0.049 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL041846.D
Acq: 07 Jan 2025 15:55

Tgt Ion: 50 Resp: 296
Ion Ratio Lower Upper
50 100
52 42.1 26.1 39.1#





#9

Propene

Concen: 0.091 ppbv

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041846.D

Acq: 07 Jan 2025 15:55

Instrument :

MSVOA_L

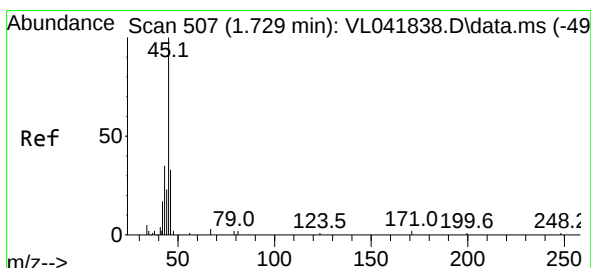
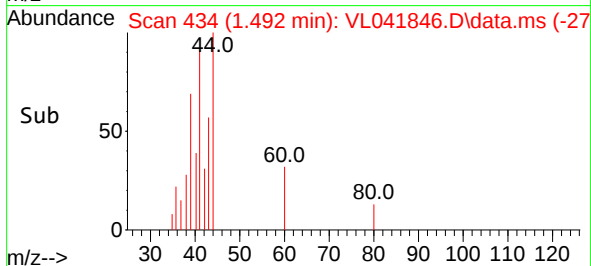
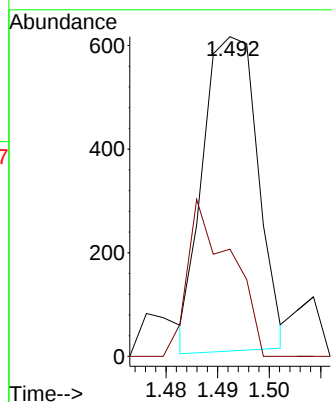
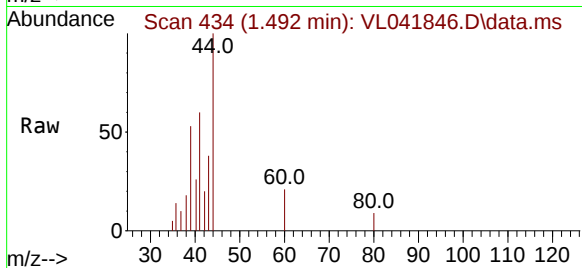
ClientSampleId :

Tgt Ion: 41 Resp: 448

Ion Ratio Lower Upper

41 100

42 39.7 53.9 80.9#



#13

Ethanol

Concen: 1.063 ppbv

RT: 1.729 min Scan# 507

Delta R.T. 0.000 min

Lab File: VL041846.D

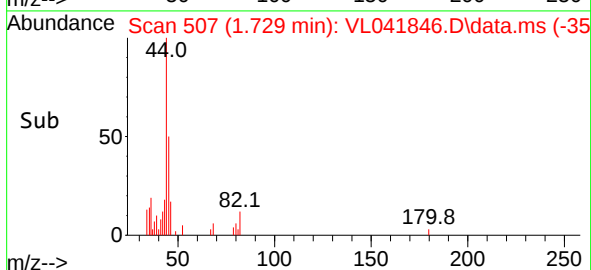
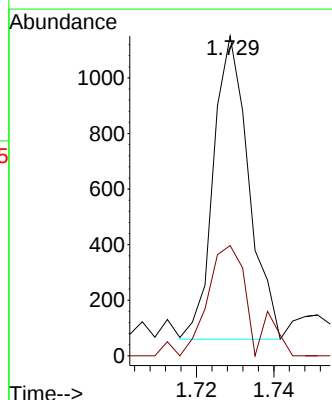
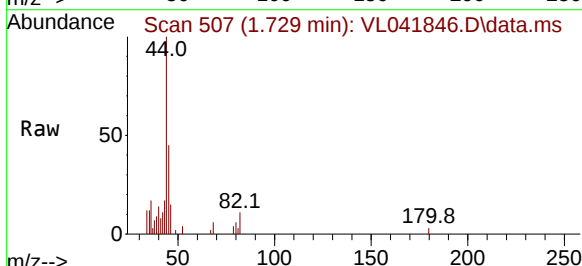
Acq: 07 Jan 2025 15:55

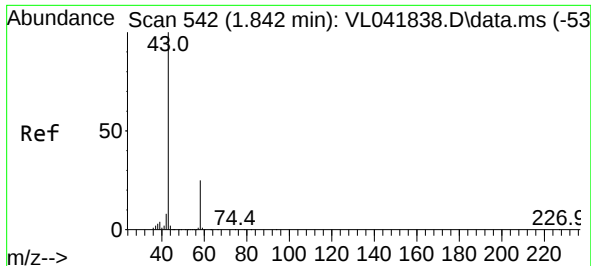
Tgt Ion: 45 Resp: 688

Ion Ratio Lower Upper

45 100

46 0.0 14.6 58.2#

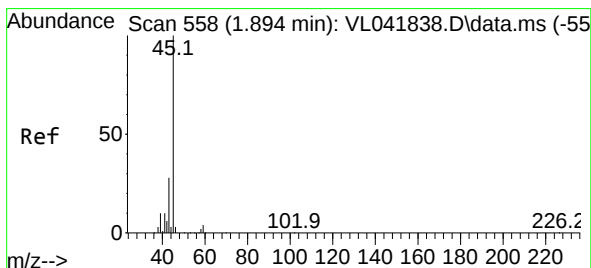
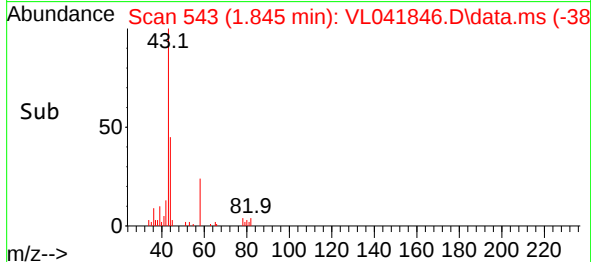
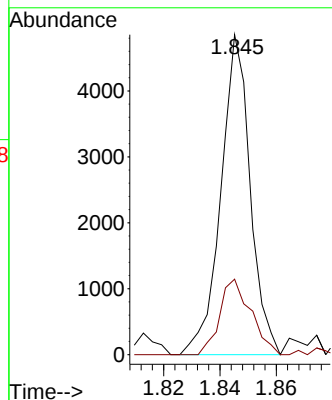
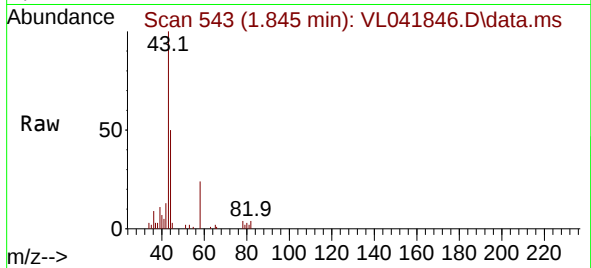




#15
Acetone
Concen: 0.211 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL041846.D
Acq: 07 Jan 2025 15:55

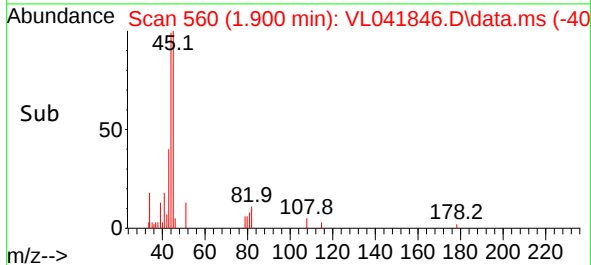
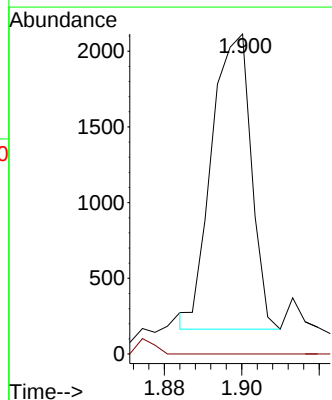
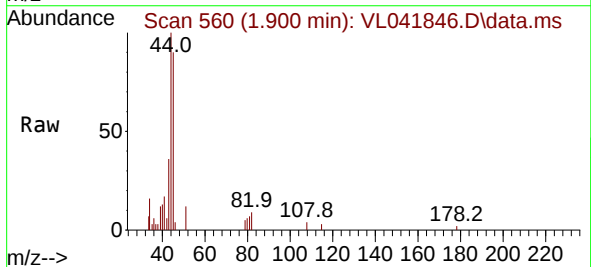
Instrument :
MSVOA_L
ClientSampleId :

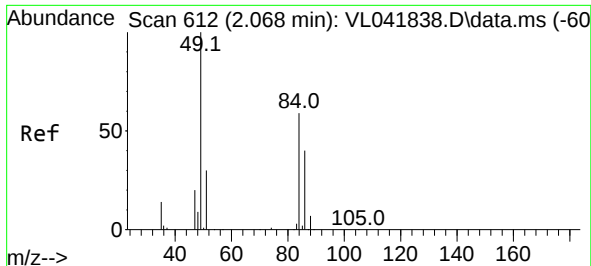
Tgt Ion: 43 Resp: 3510
Ion Ratio Lower Upper
43 100
58 26.3 20.2 30.4



#19
Isopropyl Alcohol
Concen: 0.177 ppbv
RT: 1.900 min Scan# 560
Delta R.T. 0.007 min
Lab File: VL041846.D
Acq: 07 Jan 2025 15:55

Tgt Ion: 45 Resp: 1377
Ion Ratio Lower Upper
45 100
58 4.7 2.1 3.1#





#20

Methylene Chloride

Concen: 0.331 ppbv

RT: 2.072 min Scan# 61

Delta R.T. 0.003 min

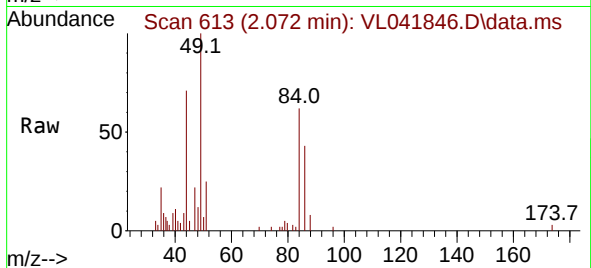
Lab File: VL041846.D

Acq: 07 Jan 2025 15:55

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 84 Resp: 1573

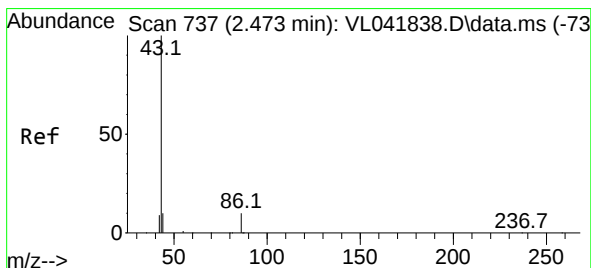
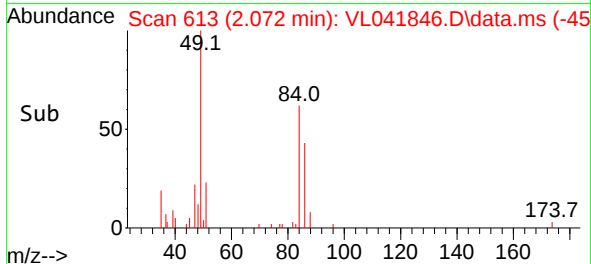
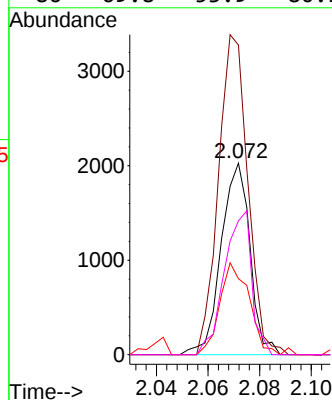
Ion Ratio Lower Upper

84 100

49 161.6 137.8 206.8

51 39.6 43.9 65.9#

86 69.8 53.9 80.9



#23

Vinyl Acetate

Concen: 0.058 ppbv

RT: 2.467 min Scan# 735

Delta R.T. -0.006 min

Lab File: VL041846.D

Acq: 07 Jan 2025 15:55

Tgt Ion: 43 Resp: 299

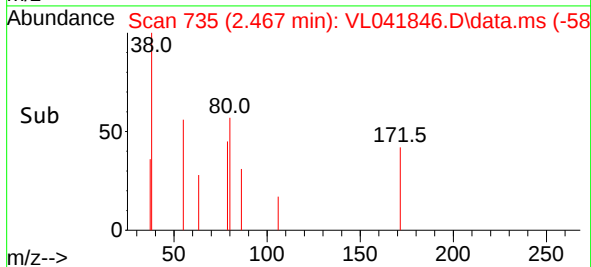
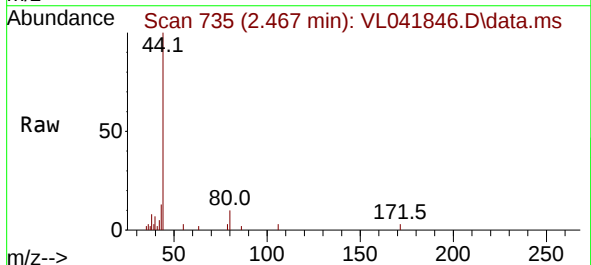
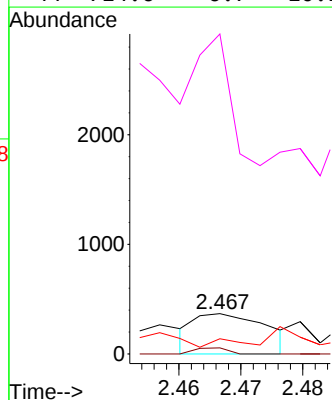
Ion Ratio Lower Upper

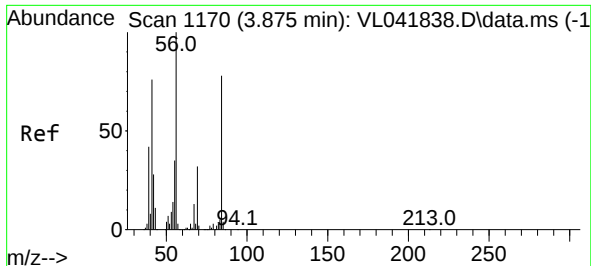
43 100

86 36.4 6.4 9.6#

42 0.0 9.5 14.3#

44 714.6 6.7 10.1#

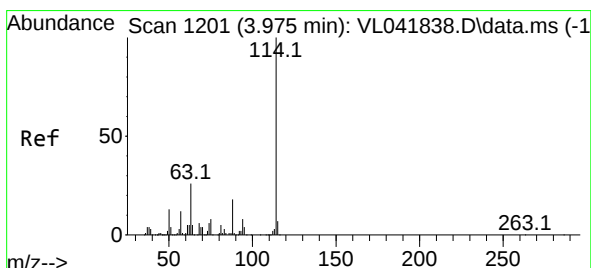
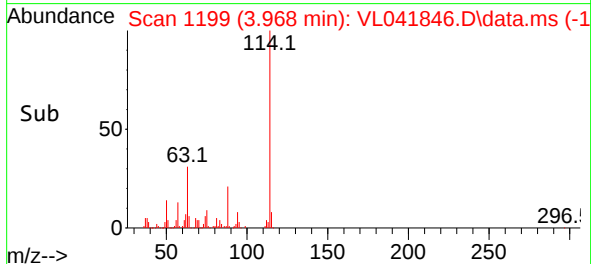
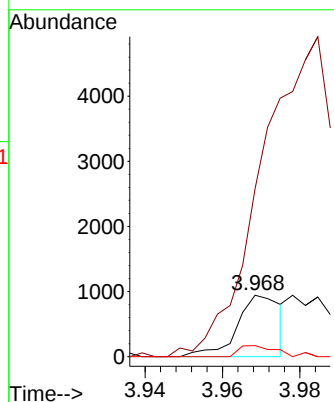
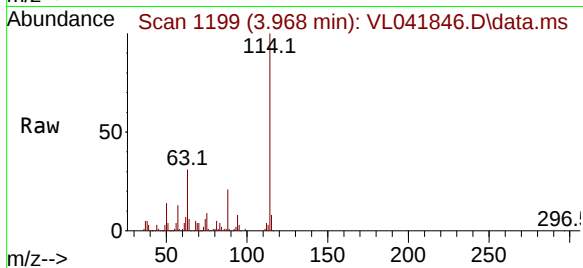




#30
Cyclohexane
Concen: 0.101 ppbv
RT: 3.968 min Scan# 1170
Delta R.T. 0.094 min
Lab File: VL041846.D
Acq: 07 Jan 2025 15:55

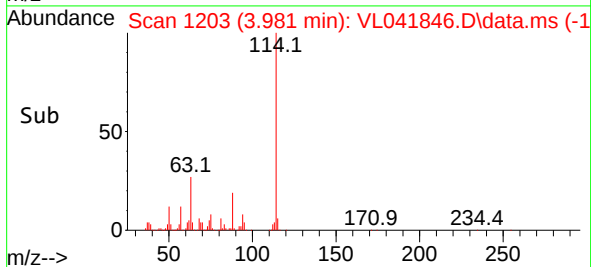
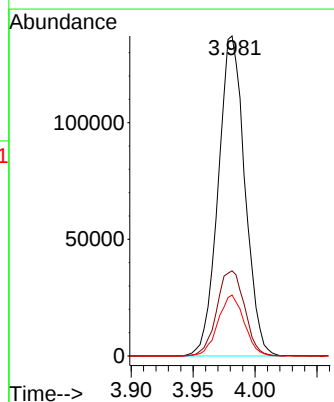
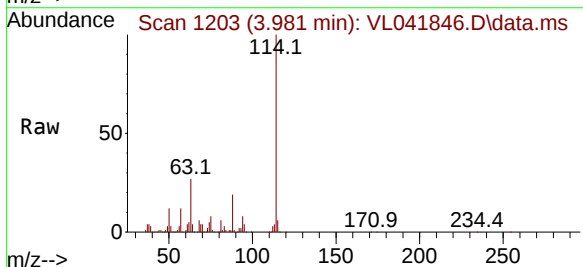
Instrument :
MSVOA_L
ClientSampleId :

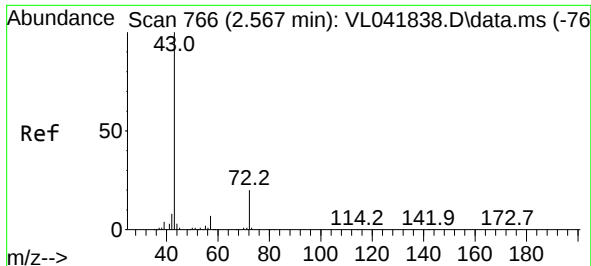
Tgt Ion: 84 Resp: 738
Ion Ratio Lower Upper
84 100
56 0.0 105.0 157.6#
41 16.3 78.9 118.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.007 min
Lab File: VL041846.D
Acq: 07 Jan 2025 15:55

Tgt Ion: 114 Resp: 205689
Ion Ratio Lower Upper
114 100
63 27.8 22.3 33.5
88 18.7 14.9 22.3

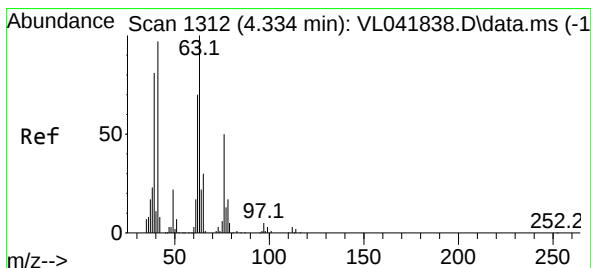
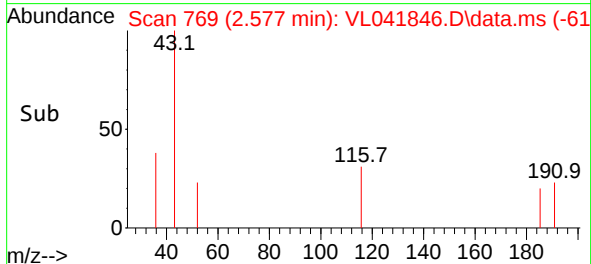
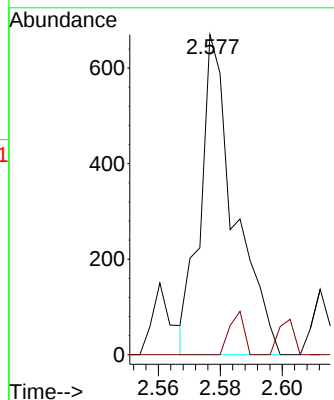
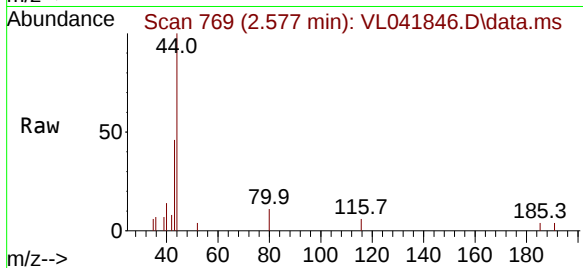




#34
2-Butanone
Concen: 0.032 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.010 min
Lab File: VL041846.D
Acq: 07 Jan 2025 15:55

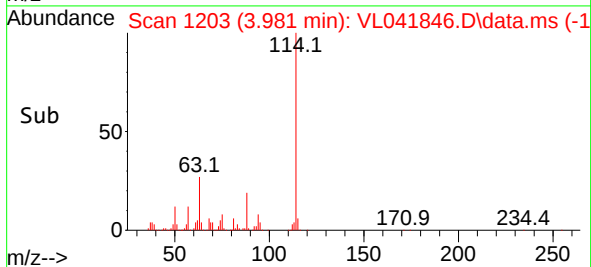
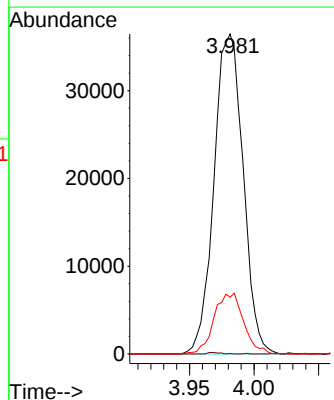
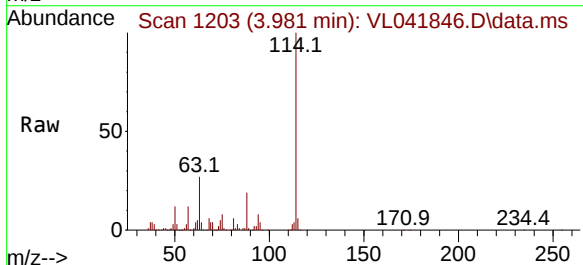
Instrument :
MSVOA_L
ClientSampleId :

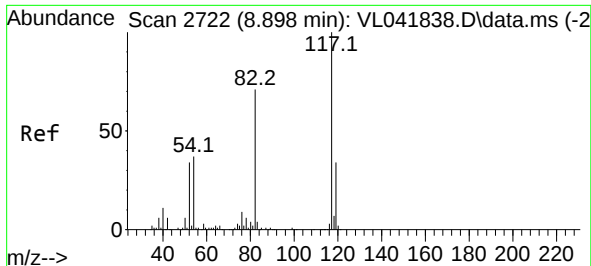
Tgt Ion: 43 Resp: 511
Ion Ratio Lower Upper
43 100
72 10.8 16.6 25.0#



#39
1,2-Dichloropropane
Concen: 7.520 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. -0.353 min
Lab File: VL041846.D
Acq: 07 Jan 2025 15:55

Tgt Ion: 63 Resp: 57161
Ion Ratio Lower Upper
63 100
41 0.2 77.7 116.5#
62 17.8 56.2 84.2#

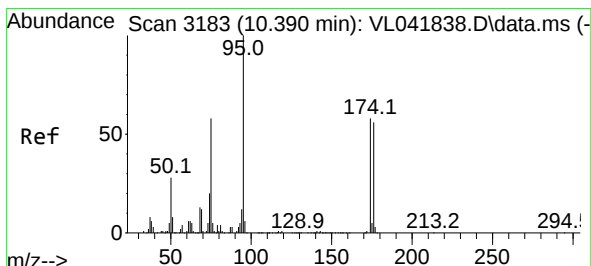
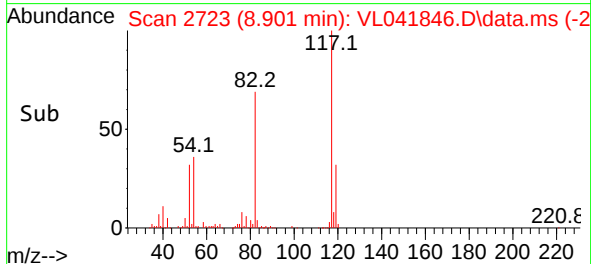
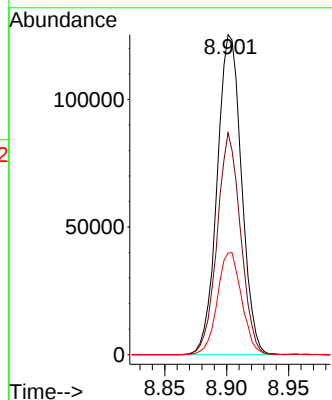
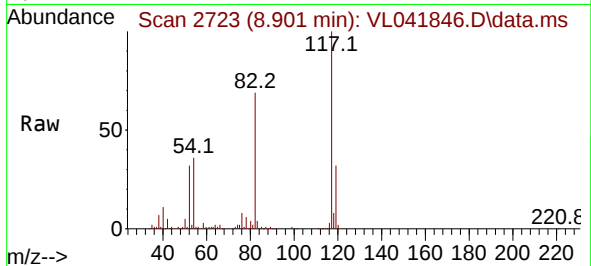




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041846.D
Acq: 07 Jan 2025 15:55

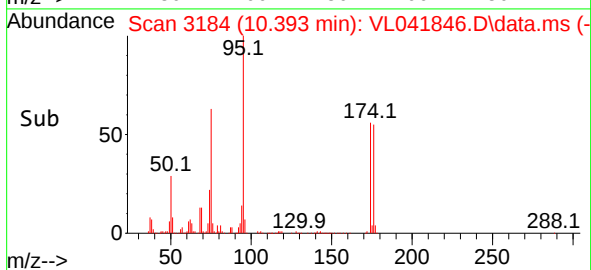
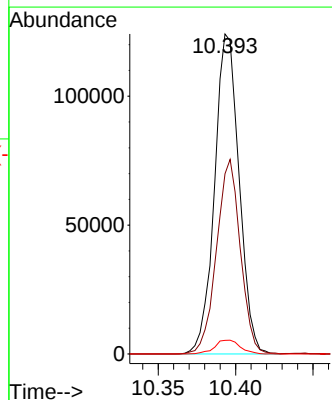
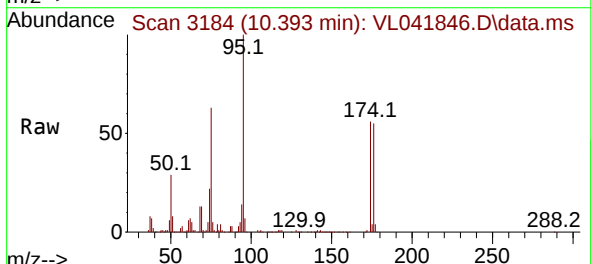
Instrument :
MSVOA_L
ClientSampleId :

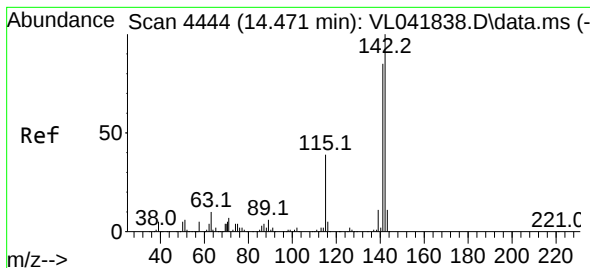
Tgt Ion:117 Resp: 171847
Ion Ratio Lower Upper
117 100
82 66.9 59.1 88.7
119 31.9 27.3 40.9



#68
1-Bromo-4-Fluorobenzene
Concen: 9.290 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VL041846.D
Acq: 07 Jan 2025 15:55

Tgt Ion: 95 Resp: 136731
Ion Ratio Lower Upper
95 100
174 59.2 47.6 71.4
175 4.5 3.8 5.6





#80

Naphthalene, 2-methyl-

Concen: 0.056 ppbv

RT: 14.475 min Scan# 4444

Delta R.T. 0.003 min

Lab File: VL041846.D

Acq: 07 Jan 2025 15:55

Instrument :

MSVOA_L

ClientSampleId :

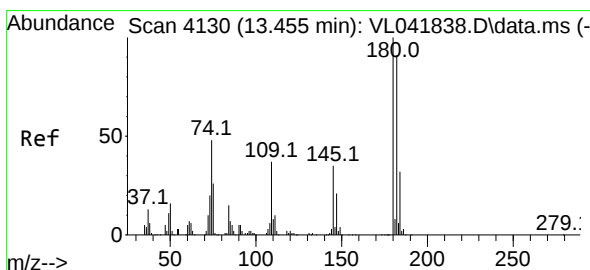
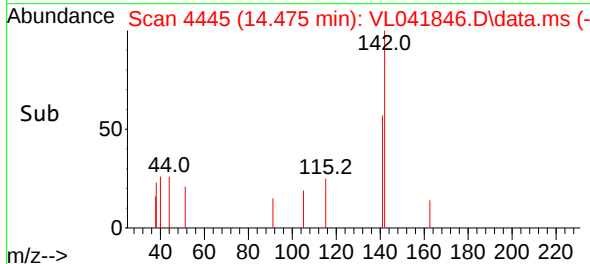
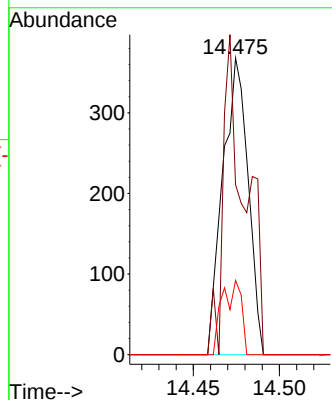
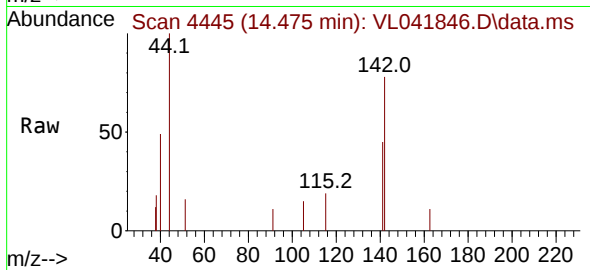
Tgt Ion:142 Resp: 375

Ion Ratio Lower Upper

142 100

141 92.8 67.8 101.8

115 18.9 32.6 48.8#



#81

1,2,4-Trichlorobenzene

Concen: 0.033 ppbv

RT: 13.455 min Scan# 4130

Delta R.T. 0.000 min

Lab File: VL041846.D

Acq: 07 Jan 2025 15:55

Tgt Ion:180 Resp: 331

Ion Ratio Lower Upper

180 100

182 100.3 75.9 113.9

184 0.0 24.8 37.2#

