

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041850.D
 Acq On : 07 Jan 2025 18:34
 Operator : SY/MD
 Sample : Q1031-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 08 03:56:49 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)

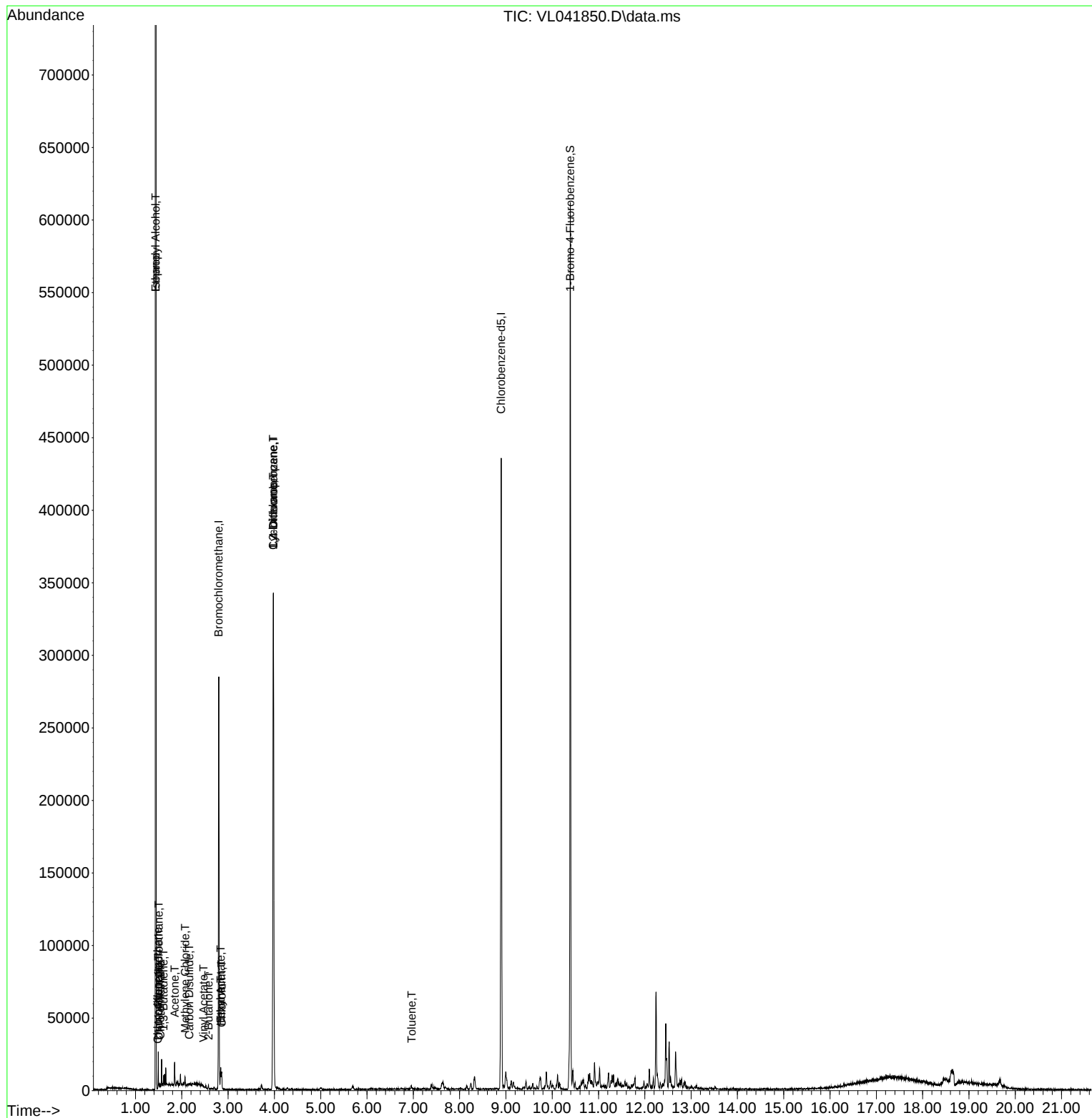
Internal Standards						
1) Bromochloromethane	2.797	49	80241	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	175258	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	151253	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	137792	10.637	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 106.400%	
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.479	51	401	0.032	ppbv #	59
4) Chloromethane	1.538	50	218	0.040	ppbv #	72
8) Dichlorotetrafluoroethane	1.502	85	345	0.030	ppbv #	21
9) Propene	1.492	41	2353	0.537	ppbv	85
13) Ethanol	1.434	45	76739	133.384	ppbv	97
15) Acetone	1.845	43	6867	0.465	ppbv	99
16) 1,3-Butadiene	1.606	39	816	0.141	ppbv #	30
19) Isopropyl Alcohol	1.434	45	76739	11.066	ppbv #	93
20) Methylene Chloride	2.072	84	777	0.184	ppbv #	82
23) Vinyl Acetate	2.473	43	153	0.033	ppbv #	71
25) Ethyl Acetate	2.842	43	840	0.034	ppbv #	75
26) Hexane	2.839	57	2339	0.272	ppbv #	33
27) Carbon Disulfide	2.159	76	519	0.064	ppbv #	1
29) Chloroform	2.861	83	4481	0.281	ppbv	95
30) Cyclohexane	3.975	84	1719	0.264	ppbv #	1
34) 2-Butanone	2.577	43	1415	0.102	ppbv #	88
39) 1,2-Dichloropropane	3.975	63	49665	7.669	ppbv #	17
53) Toluene	6.962	91	448	0.030	ppbv #	21

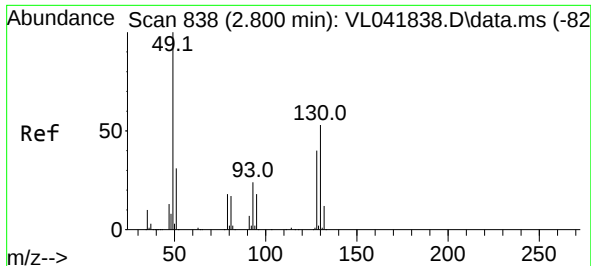
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
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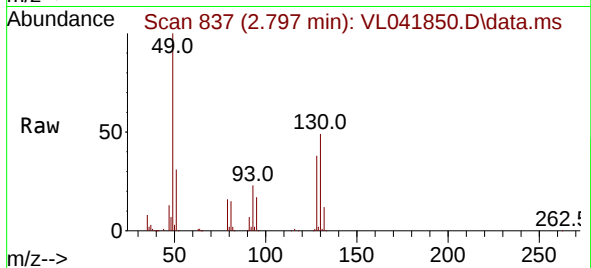
Quant Time: Jan 08 03:56:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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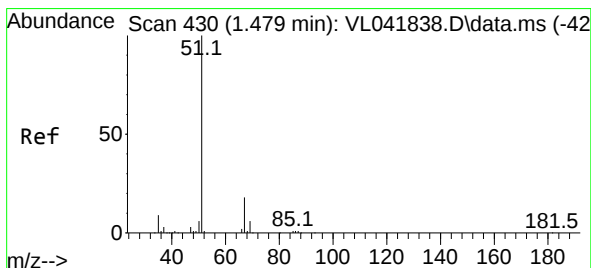
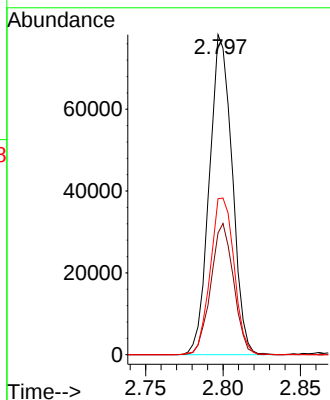
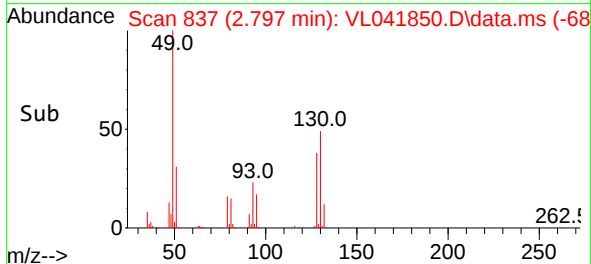


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

Instrument :
MSVOA_L
ClientSampleId :

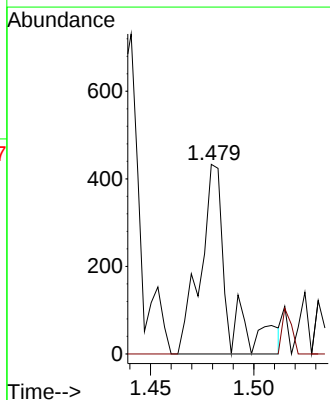
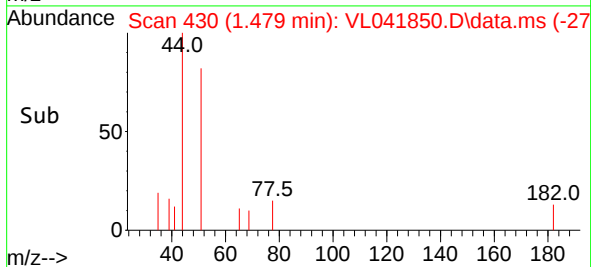
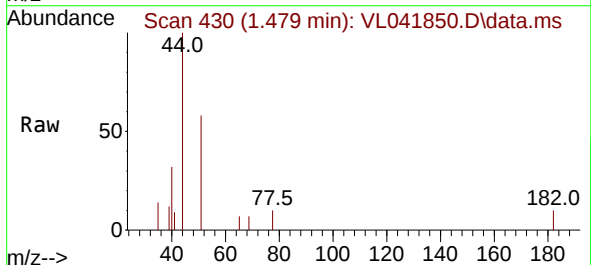


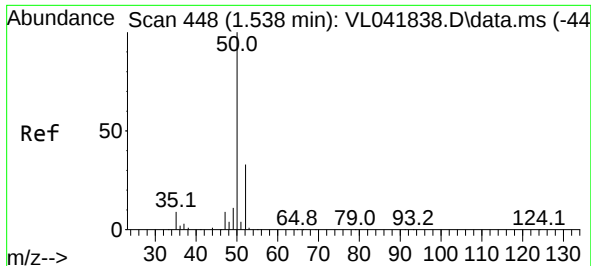
Tgt Ion: 49 Resp: 80241
Ion Ratio Lower Upper
49 100
128 40.9 19.7 59.1
130 51.1 26.4 79.2



#3
Chlorodifluoromethane
Concen: 0.032 ppbv
RT: 1.479 min Scan# 430
Delta R.T. 0.000 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

Tgt Ion: 51 Resp: 401
Ion Ratio Lower Upper
51 100
67 0.0 14.6 22.0#

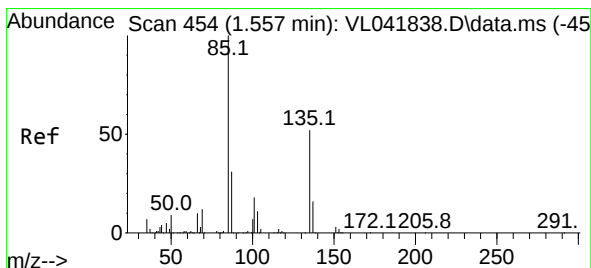
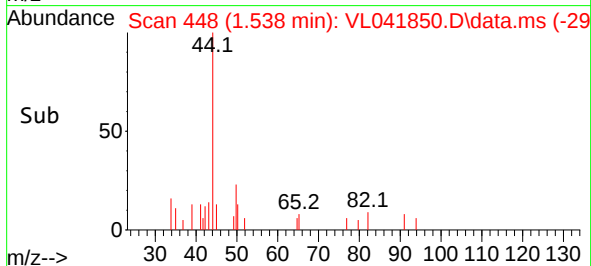
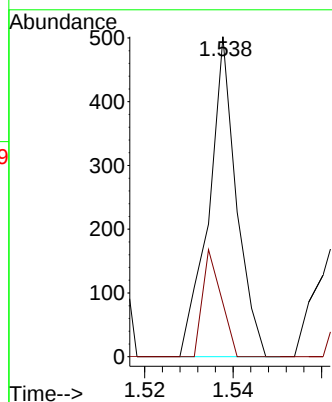
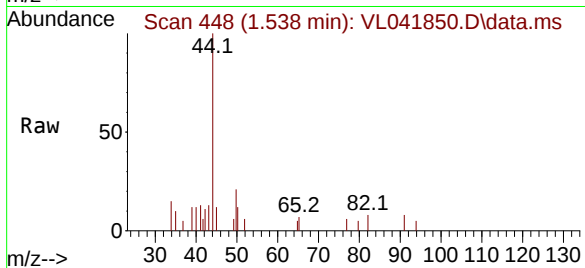




#4
Chloromethane
Concen: 0.040 ppbv
RT: 1.538 min Scan# 441
Delta R.T. 0.000 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

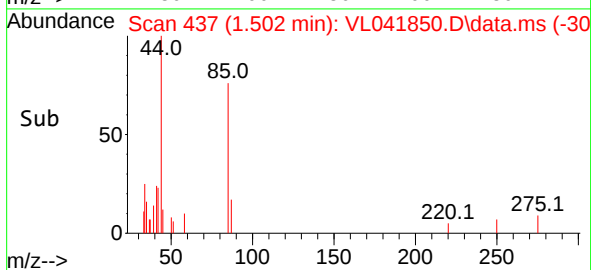
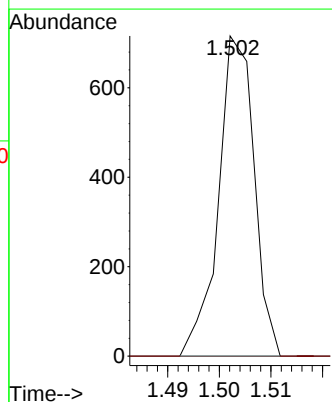
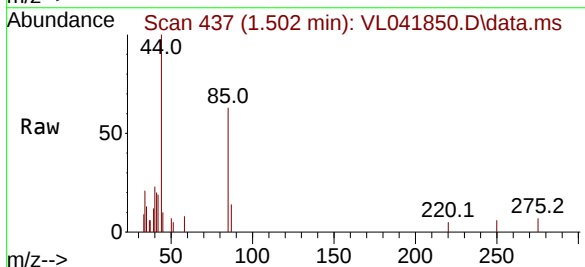
Instrument :
MSVOA_L
ClientSampleId :

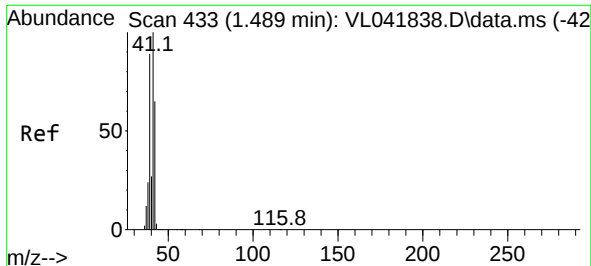
Tgt Ion: 50 Resp: 218
Ion Ratio Lower Upper
50 100
52 16.7 26.1 39.1#



#8
Dichlorotetrafluoroethane
Concen: 0.030 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.055 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

Tgt Ion: 85 Resp: 345
Ion Ratio Lower Upper
85 100
135 0.0 47.9 71.9#





#9

Propene

Concen: 0.537 ppbv

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041850.D

Acq: 07 Jan 2025 18:34

Instrument :

MSVOA_L

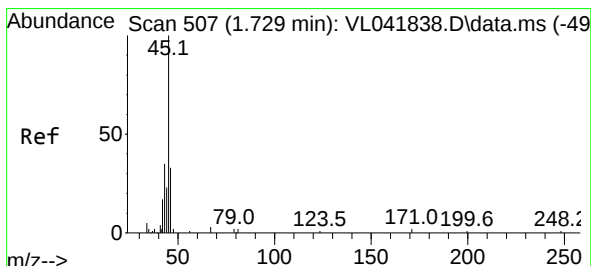
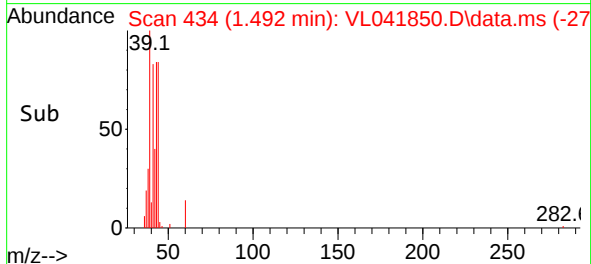
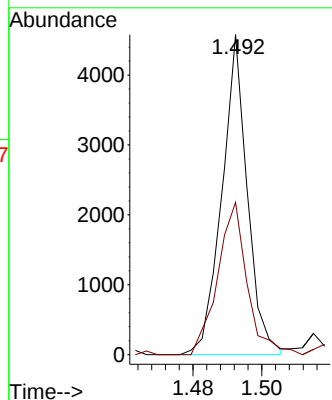
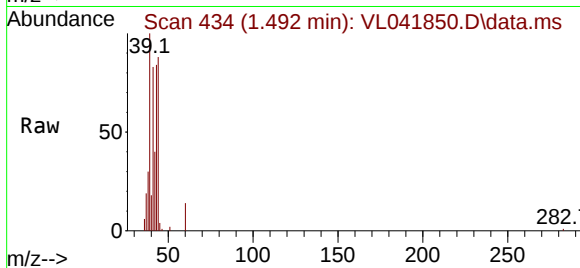
ClientSampleId :

Tgt Ion: 41 Resp: 2353

Ion Ratio Lower Upper

41 100

42 55.6 53.9 80.9



#13

Ethanol

Concen: 133.384 ppbv

RT: 1.434 min Scan# 416

Delta R.T. -0.295 min

Lab File: VL041850.D

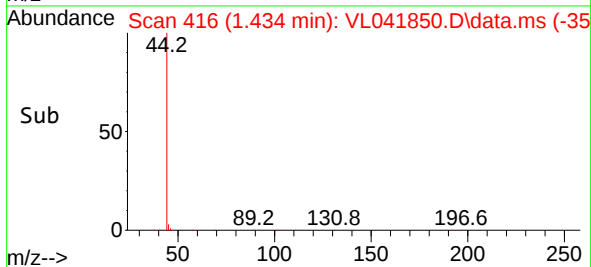
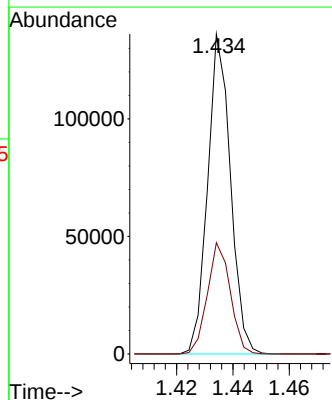
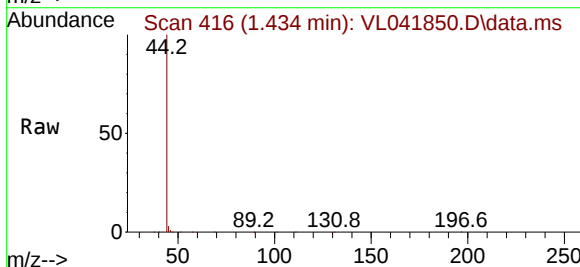
Acq: 07 Jan 2025 18:34

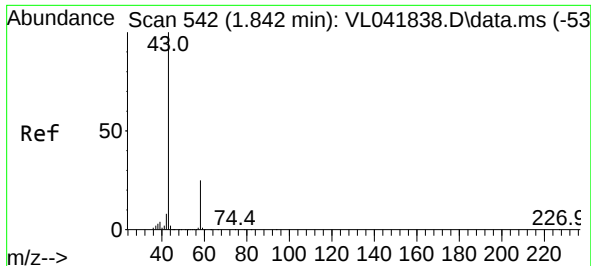
Tgt Ion: 45 Resp: 76739

Ion Ratio Lower Upper

45 100

46 34.9 14.6 58.2

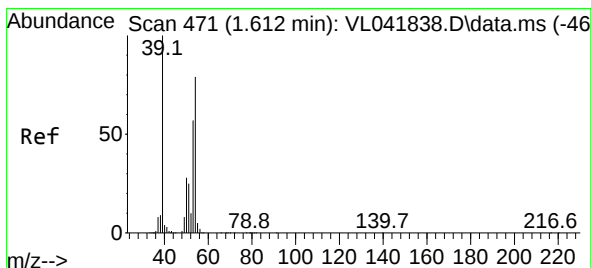
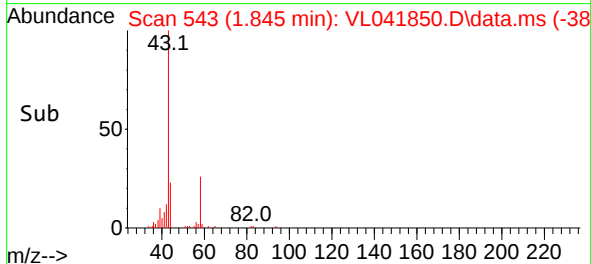
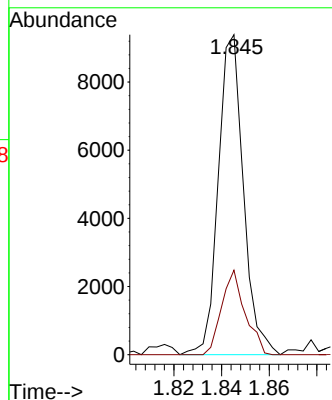
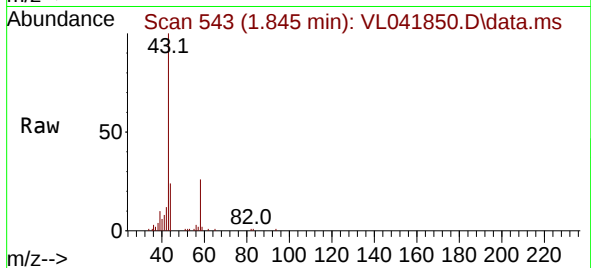




#15
Acetone
Concen: 0.465 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

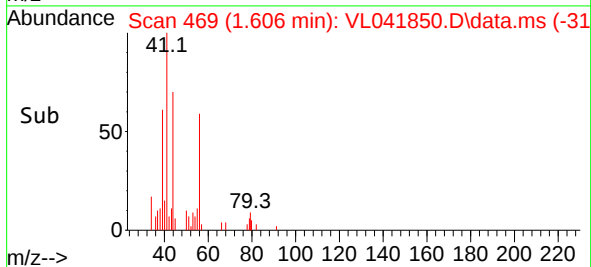
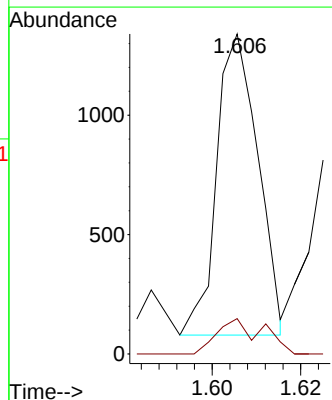
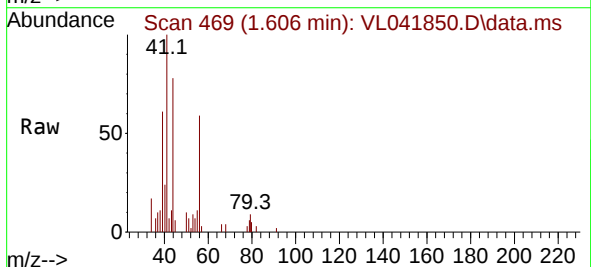
Instrument :
MSVOA_L
ClientSampleId :

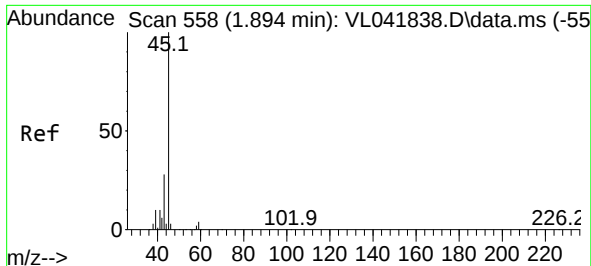
Tgt Ion: 43 Resp: 6867
Ion Ratio Lower Upper
43 100
58 24.7 20.2 30.4



#16
1,3-Butadiene
Concen: 0.141 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.006 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

Tgt Ion: 39 Resp: 816
Ion Ratio Lower Upper
39 100
54 13.0 56.2 84.4#

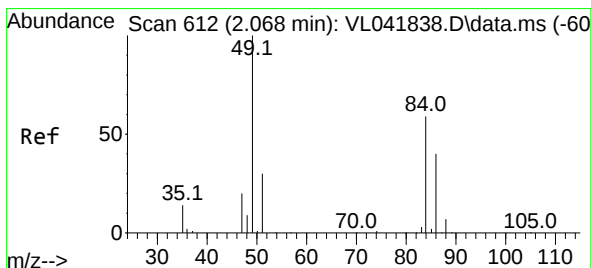
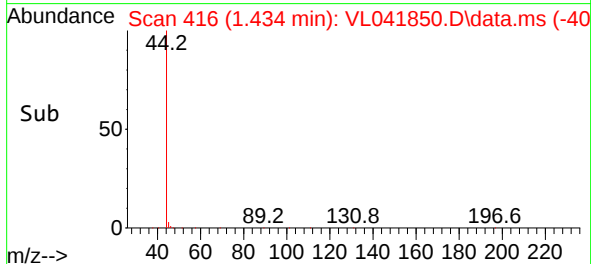
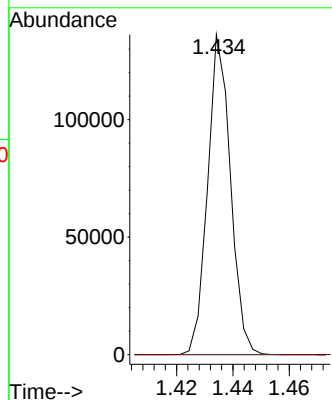
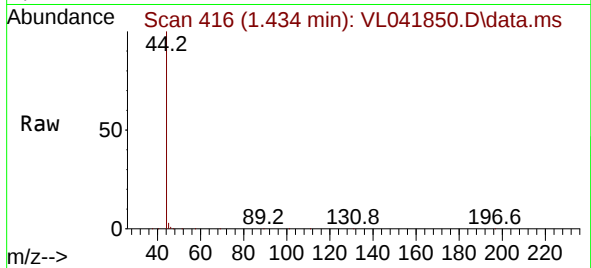




#19
Isopropyl Alcohol
Concen: 11.066 ppbv
RT: 1.434 min Scan# 41
Delta R.T. -0.460 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

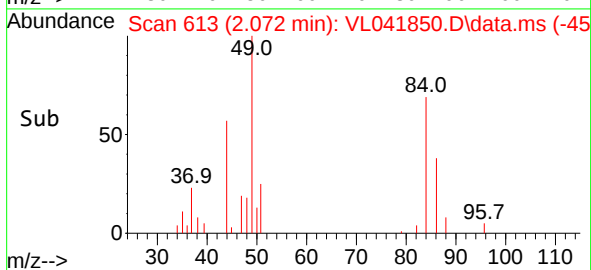
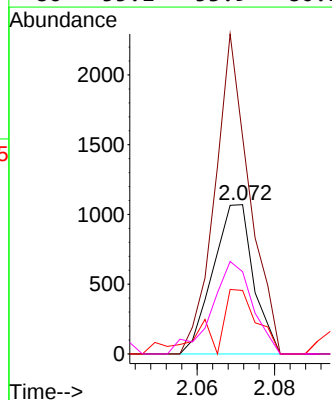
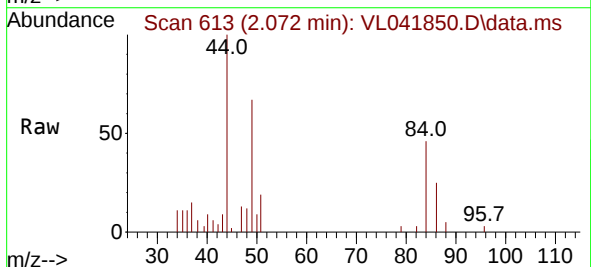
Instrument :
MSVOA_L
ClientSampleId :

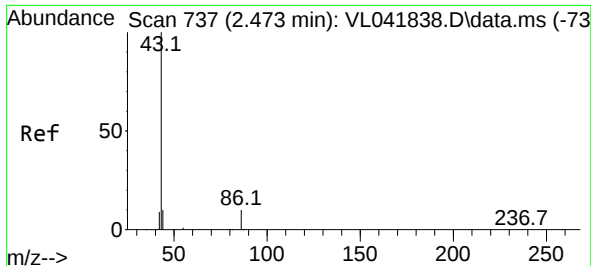
Tgt Ion: 45 Resp: 76739
Ion Ratio Lower Upper
45 100
58 0.1 2.1 3.1#



#20
Methylene Chloride
Concen: 0.184 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

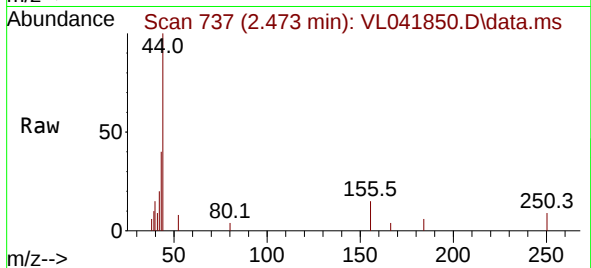
Tgt Ion: 84 Resp: 777
Ion Ratio Lower Upper
84 100
49 145.4 137.8 206.8
51 42.5 43.9 65.9#
86 55.1 53.9 80.9



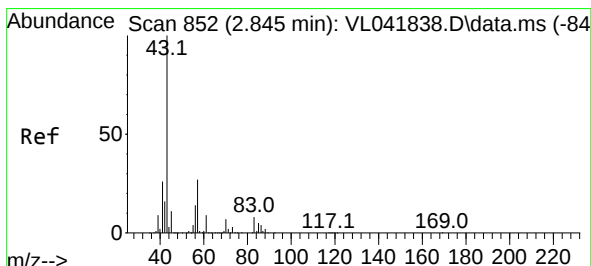
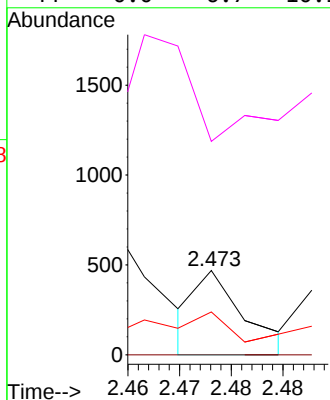
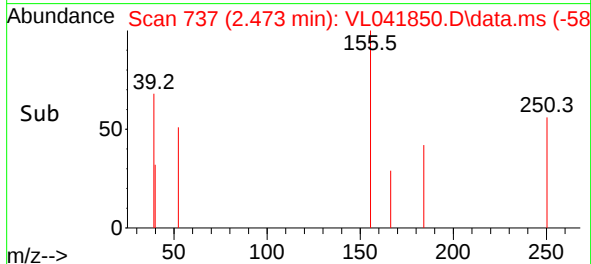


#23
 Vinyl Acetate
 Concen: 0.033 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL041850.D
 Acq: 07 Jan 2025 18:34

Instrument :
 MSVOA_L
 ClientSampleId :

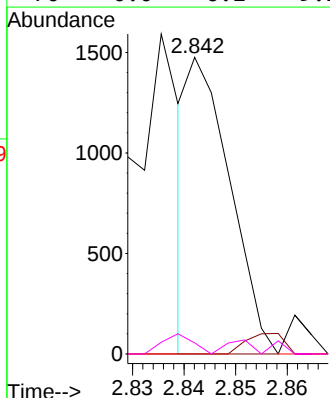
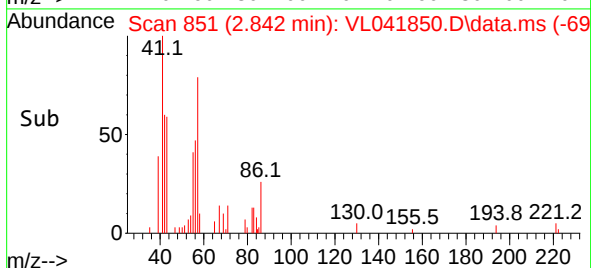
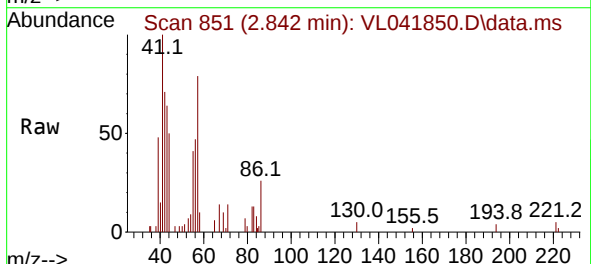


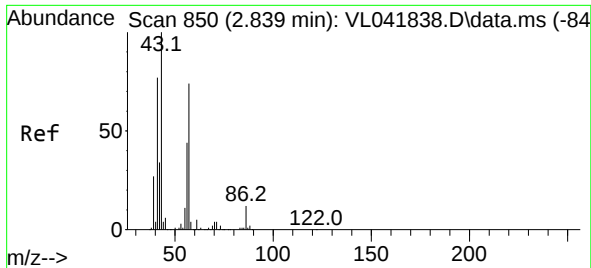
Tgt Ion: 43	Resp: 153
Ion Ratio	Lower Upper
43 100	
86 0.0	6.4 9.6#
42 26.7	9.5 14.3#
44 0.0	6.7 10.1#



#25
 Ethyl Acetate
 Concen: 0.034 ppbv
 RT: 2.842 min Scan# 851
 Delta R.T. -0.003 min
 Lab File: VL041850.D
 Acq: 07 Jan 2025 18:34

Tgt Ion: 43	Resp: 840
Ion Ratio	Lower Upper
43 100	
45 0.0	7.8 11.8#
61 0.0	7.0 10.6#
70 0.0	6.2 9.2#

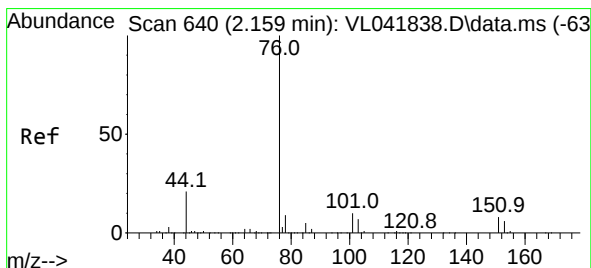
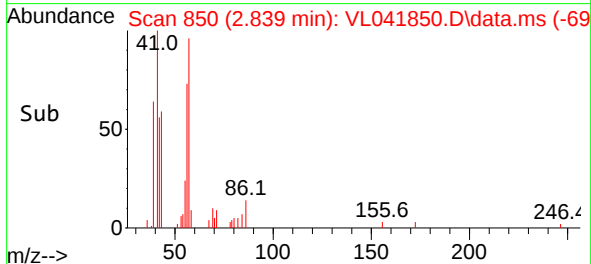
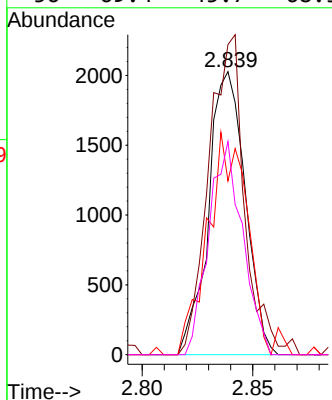
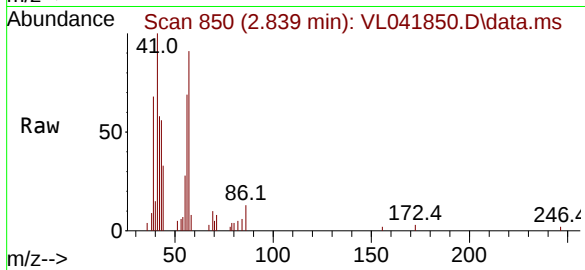




#26
Hexane
Concen: 0.272 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

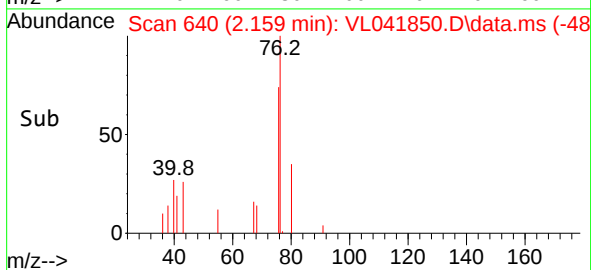
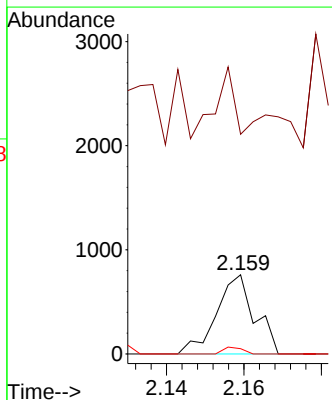
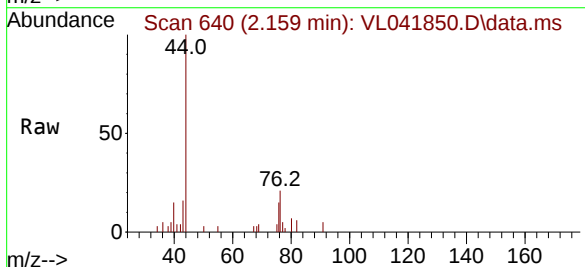
Instrument :
MSVOA_L
ClientSampleId :

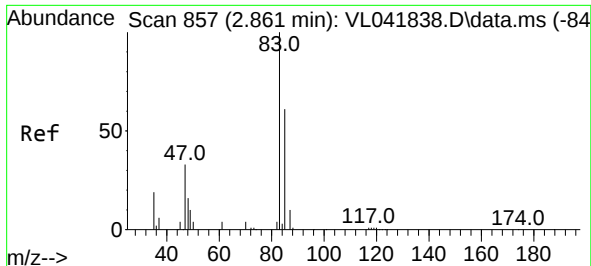
Tgt Ion: 57 Resp: 2339
Ion Ratio Lower Upper
57 100
41 111.8 84.0 126.0
43 86.8 218.4 327.6#
56 69.4 45.7 68.5#



#27
Carbon Disulfide
Concen: 0.064 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.000 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

Tgt Ion: 76 Resp: 519
Ion Ratio Lower Upper
76 100
44 417.3 19.8 29.8#
78 0.0 9.8 14.8#





#29

Chloroform

Concen: 0.281 ppbv

RT: 2.861 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041850.D

Acq: 07 Jan 2025 18:34

Instrument :

MSVOA_L

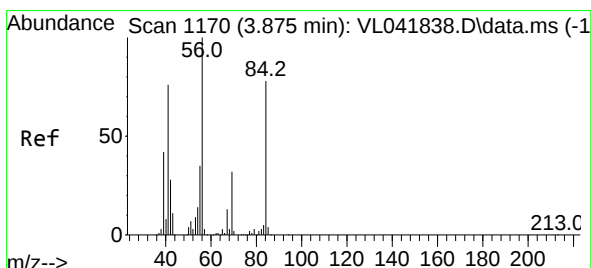
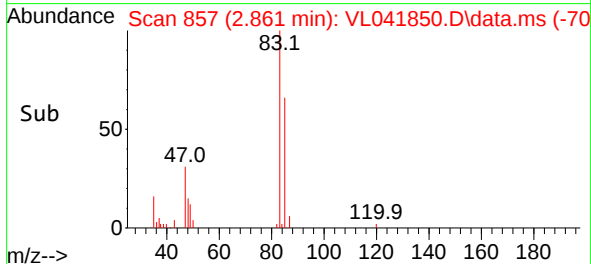
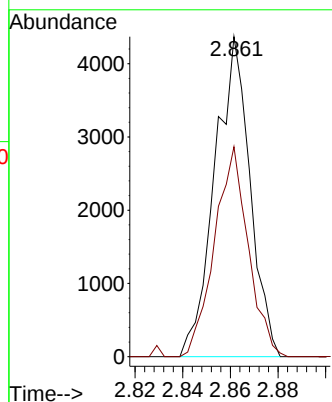
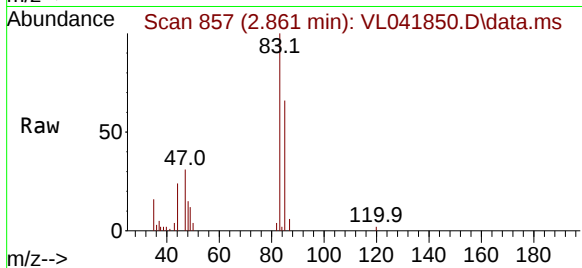
ClientSampleId :

Tgt Ion: 83 Resp: 4481

Ion Ratio Lower Upper

83 100

85 65.6 49.6 74.4



#30

Cyclohexane

Concen: 0.264 ppbv

RT: 3.975 min Scan# 1201

Delta R.T. 0.100 min

Lab File: VL041850.D

Acq: 07 Jan 2025 18:34

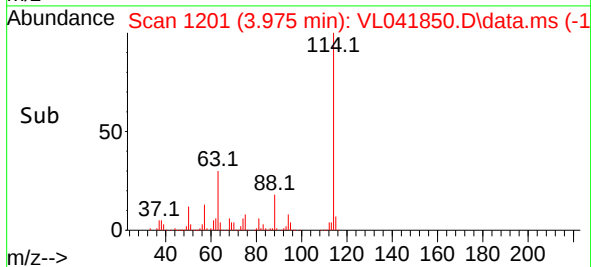
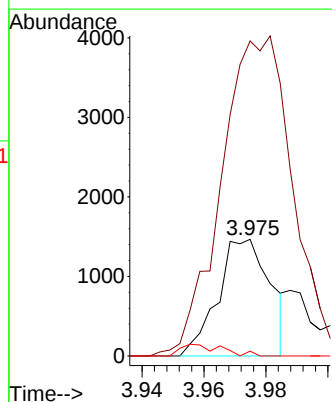
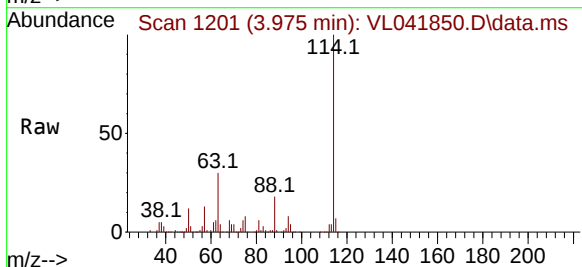
Tgt Ion: 84 Resp: 1719

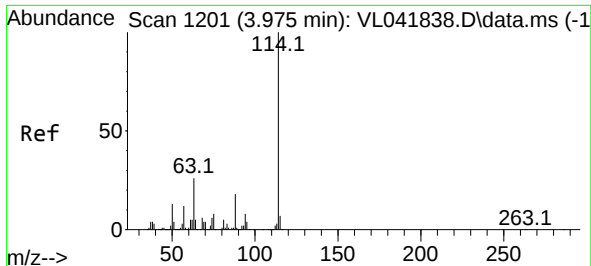
Ion Ratio Lower Upper

84 100

56 374.8 105.0 157.6#

41 7.9 78.9 118.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041850.D

Acq: 07 Jan 2025 18:34

Instrument :

MSVOA_L

ClientSampleId :

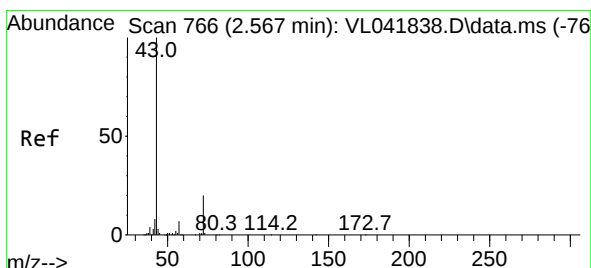
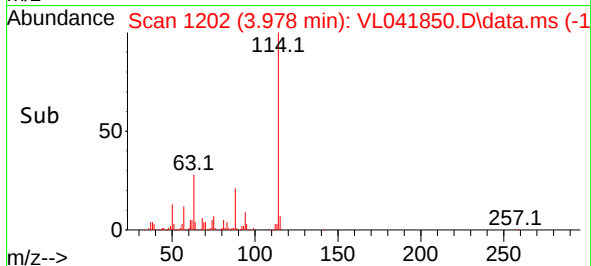
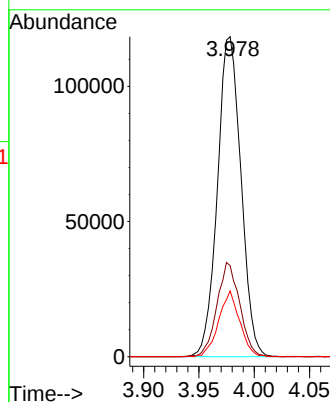
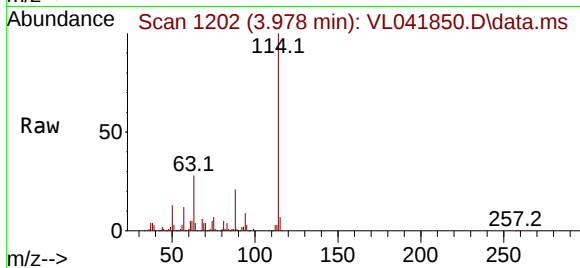
Tgt Ion:114 Resp: 175258

Ion Ratio Lower Upper

114 100

63 28.5 22.3 33.5

88 18.4 14.9 22.3



#34

2-Butanone

Concen: 0.102 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.010 min

Lab File: VL041850.D

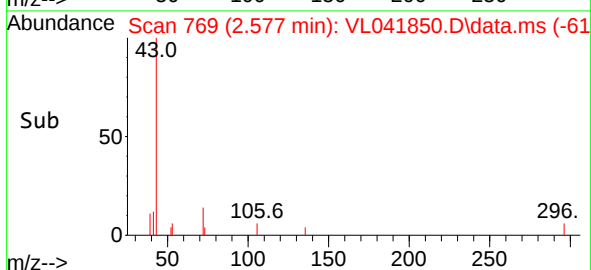
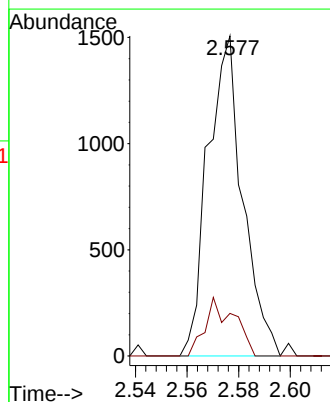
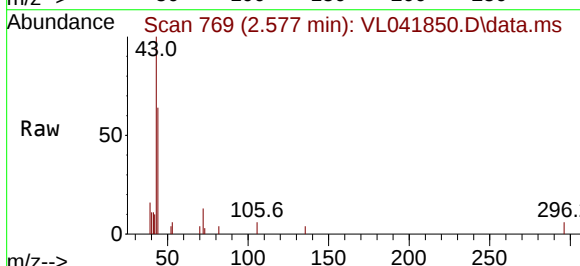
Acq: 07 Jan 2025 18:34

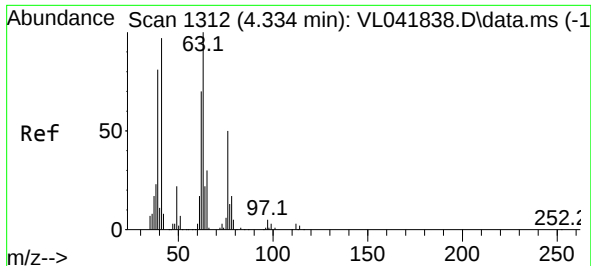
Tgt Ion: 43 Resp: 1415

Ion Ratio Lower Upper

43 100

72 15.2 16.6 25.0#





#39

1,2-Dichloropropane

Concen: 7.669 ppbv

RT: 3.975 min Scan# 11

Delta R.T. -0.359 min

Lab File: VL041850.D

Acq: 07 Jan 2025 18:34

Instrument :

MSVOA_L

ClientSampleId :

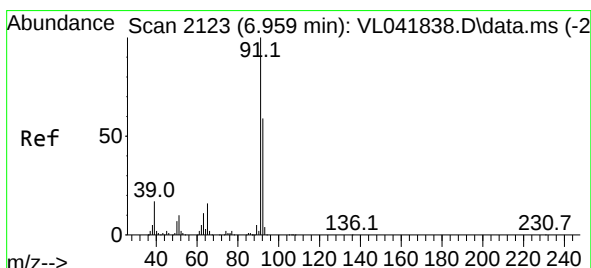
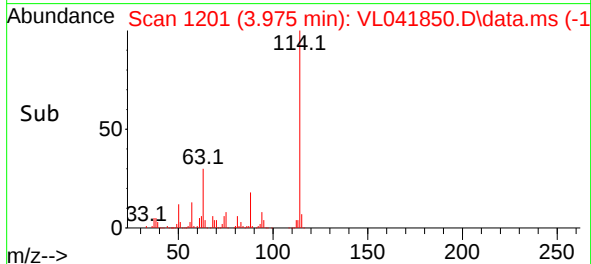
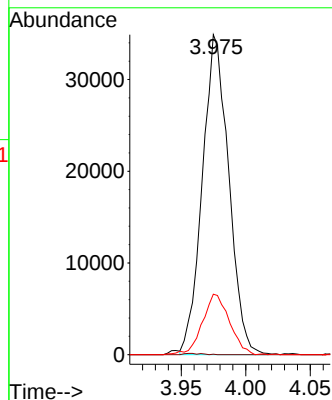
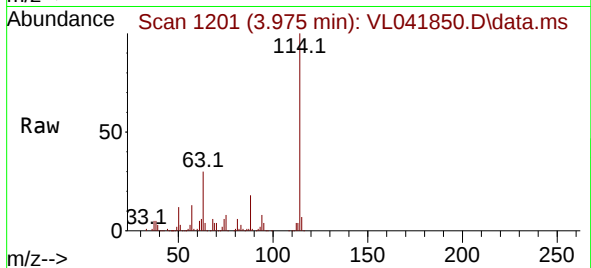
Tgt Ion: 63 Resp: 49665

Ion Ratio Lower Upper

63 100

41 0.2 77.7 116.5#

62 18.9 56.2 84.2#



#53

Toluene

Concen: 0.030 ppbv

RT: 6.962 min Scan# 2124

Delta R.T. 0.003 min

Lab File: VL041850.D

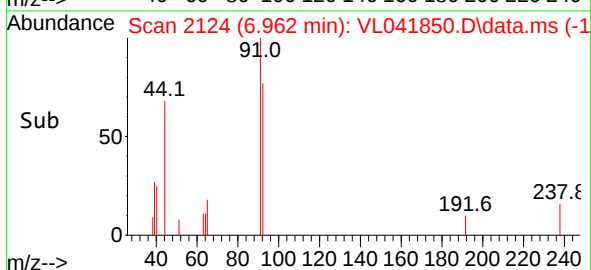
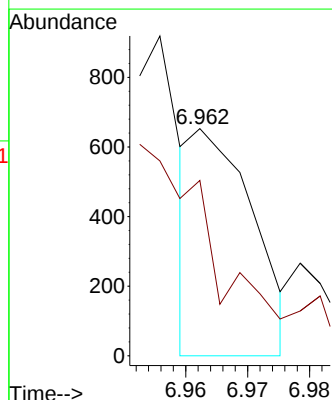
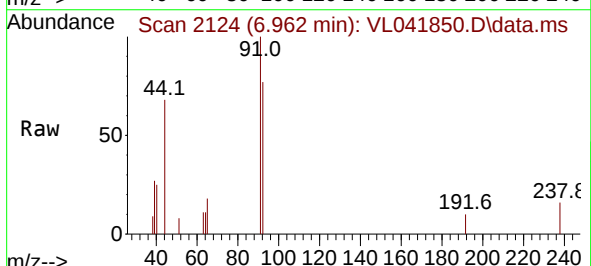
Acq: 07 Jan 2025 18:34

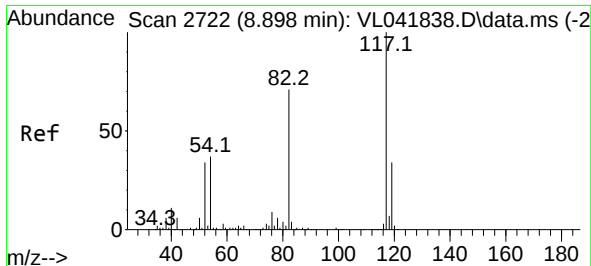
Tgt Ion: 91 Resp: 448

Ion Ratio Lower Upper

91 100

92 0.0 47.8 71.6#

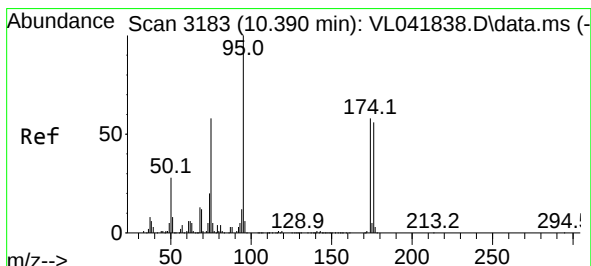
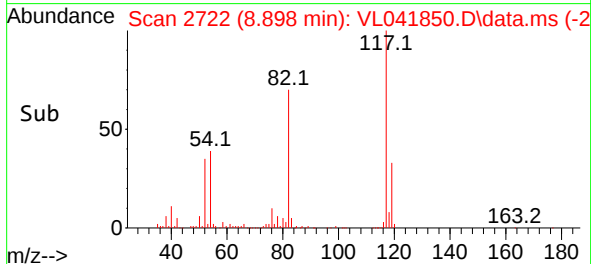
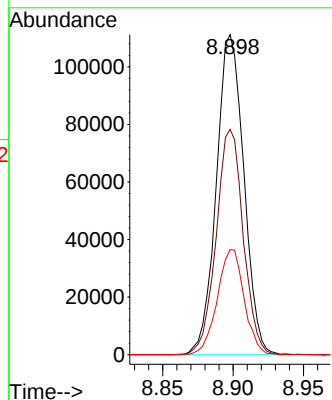
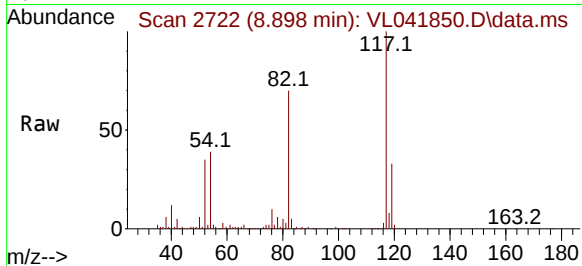




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 151253
Ion Ratio Lower Upper
117 100
82 69.2 59.1 88.7
119 32.1 27.3 40.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.637 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. 0.000 min
Lab File: VL041850.D
Acq: 07 Jan 2025 18:34

Tgt Ion: 95 Resp: 137792
Ion Ratio Lower Upper
95 100
174 58.7 47.6 71.4
175 3.7 3.8 5.6

