

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042126.D
 Acq On : 10 Mar 2025 15:42
 Operator : SY/MD
 Sample : Q1532-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 3DL

Quant Time: Mar 11 01:26:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

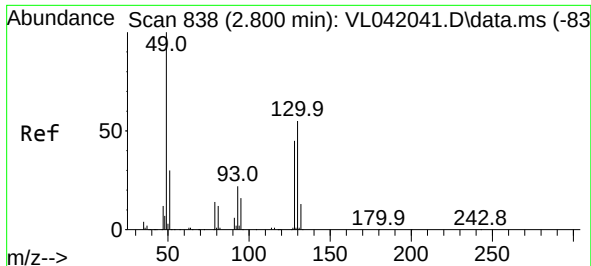
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.797	49	161032	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	372227	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	310018	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	240498	10.083	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	1109	0.066	ppbv #	84
3) Chlorodifluoromethane	1.470	51	2169	0.093	ppbv #	76
4) Chloromethane	1.538	50	521	0.084	ppbv #	82
9) Propene	1.489	41	1656	0.174	ppbv	94
11) Trichlorofluoromethane	1.881	101	518	0.031	ppbv	93
13) Ethanol	1.729	45	5441	8.990	ppbv #	33
15) Acetone	1.842	43	11775	0.828	ppbv	98
16) 1,3-Butadiene	1.606	39	490	0.074	ppbv #	12
19) Isopropyl Alcohol	1.894	45	7198	0.881	ppbv #	40
20) Methylene Chloride	2.069	84	1619	0.301	ppbv #	82
23) Vinyl Acetate	2.483	43	320	0.032	ppbv #	46
34) 2-Butanone	2.570	43	2396	0.083	ppbv #	82
39) 1,2-Dichloropropane	3.972	63	95732	6.473	ppbv #	22

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

Quant Time: Mar 11 01:26:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

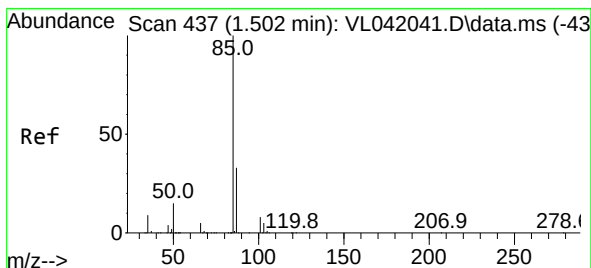
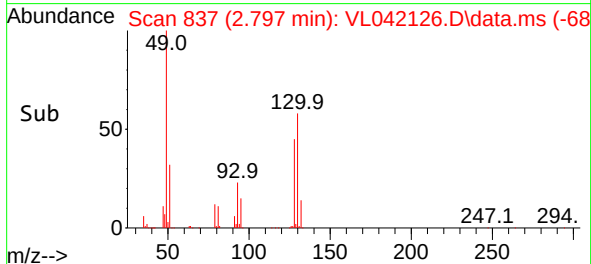
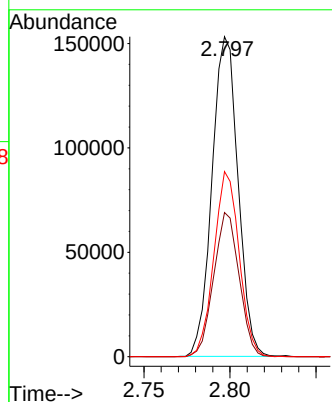
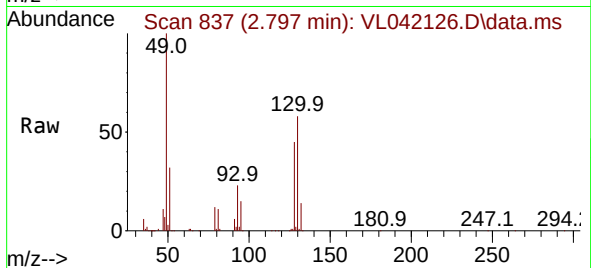




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042126.D
Acq: 10 Mar 2025 15:42

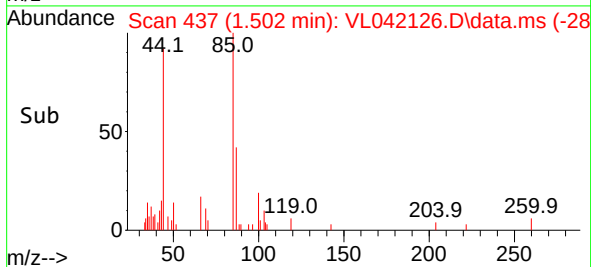
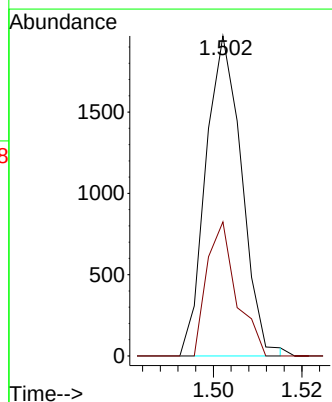
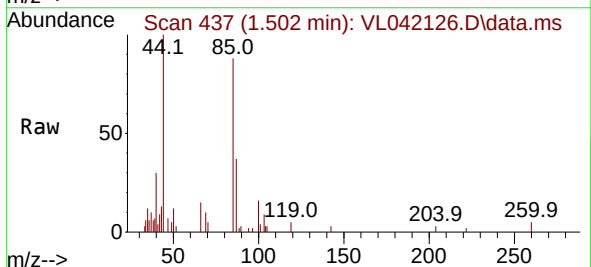
Instrument :
MSVOA_L
ClientSampleId :
3DL

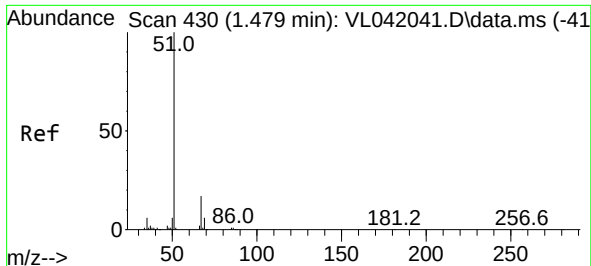
Tgt Ion: 49 Resp: 161032
Ion Ratio Lower Upper
49 100
128 44.2 21.6 64.8
130 56.2 27.8 83.4



#2
Dichlorodifluoromethane
Concen: 0.066 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042126.D
Acq: 10 Mar 2025 15:42

Tgt Ion: 85 Resp: 1109
Ion Ratio Lower Upper
85 100
87 41.9 26.4 39.6

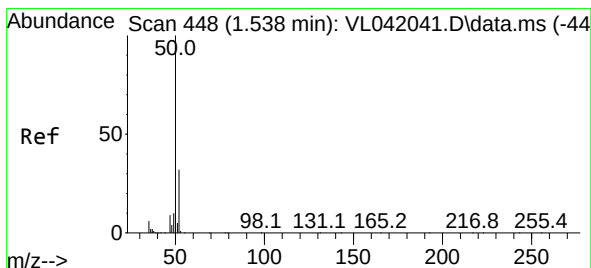
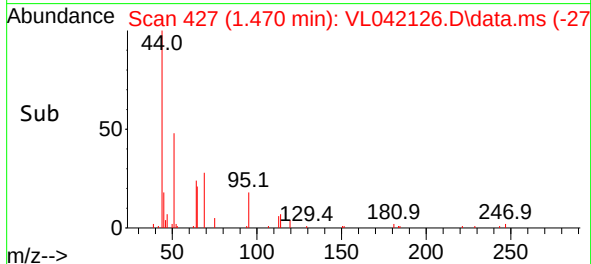
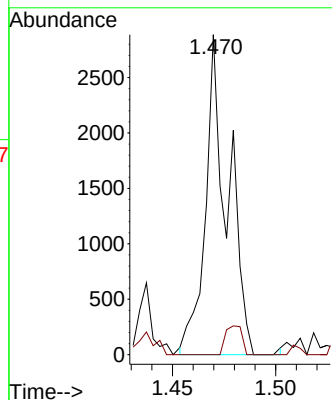
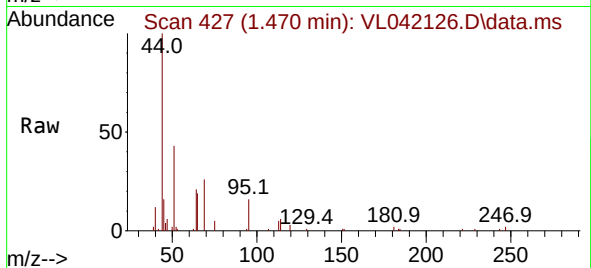




#3
Chlorodifluoromethane
Concen: 0.093 ppbv
RT: 1.470 min Scan# 430
Delta R.T. -0.010 min
Lab File: VL042126.D
Acq: 10 Mar 2025 15:42

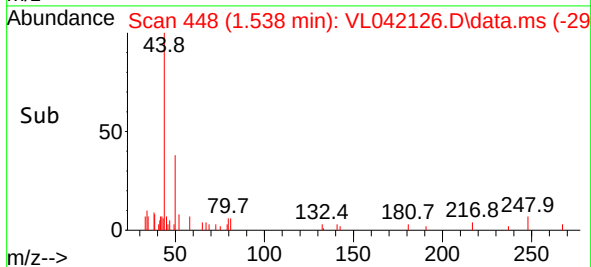
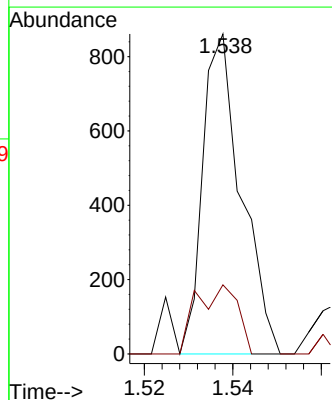
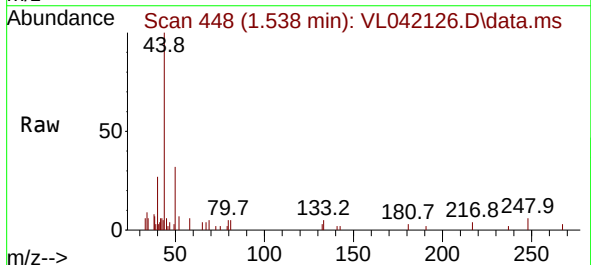
Instrument :
MSVOA_L
ClientSampleId :
3DL

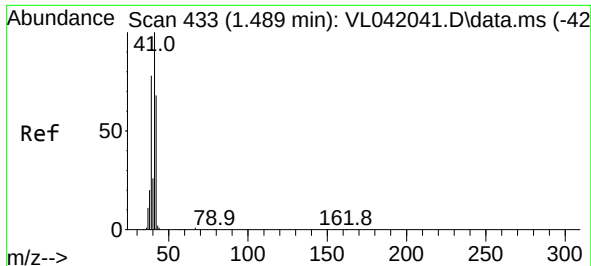
Tgt Ion: 51 Resp: 2169
Ion Ratio Lower Upper
51 100
67 6.6 13.7 20.5#



#4
Chloromethane
Concen: 0.084 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042126.D
Acq: 10 Mar 2025 15:42

Tgt Ion: 50 Resp: 521
Ion Ratio Lower Upper
50 100
52 21.6 25.4 38.0#





#9

Propene

Concen: 0.174 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042126.D

Acq: 10 Mar 2025 15:42

Instrument :

MSVOA_L

ClientSampleId :

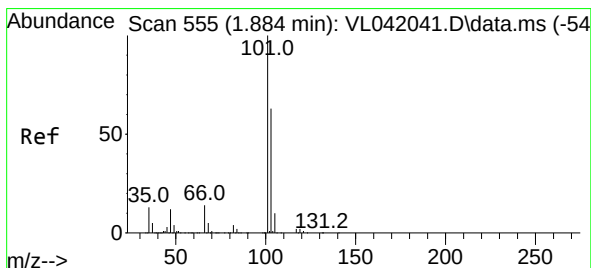
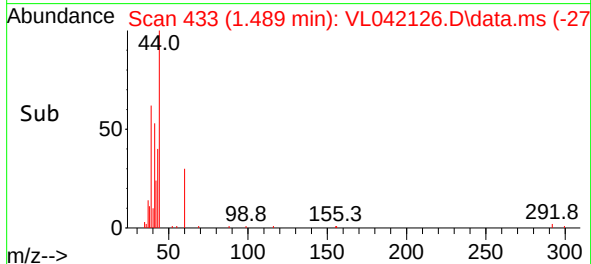
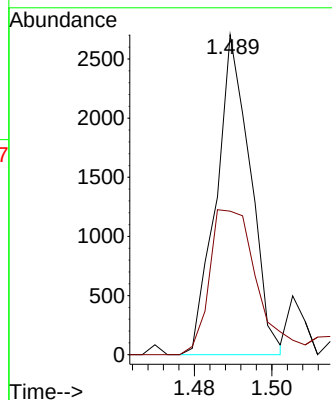
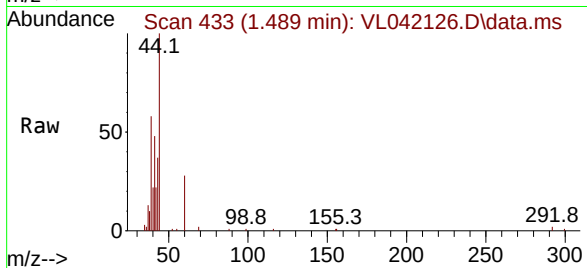
3DL

Tgt Ion: 41 Resp: 1656

Ion Ratio Lower Upper

41 100

42 65.0 55.8 83.6



#11

Trichlorofluoromethane

Concen: 0.031 ppbv

RT: 1.881 min Scan# 554

Delta R.T. -0.003 min

Lab File: VL042126.D

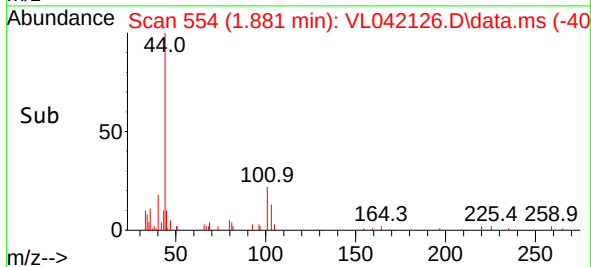
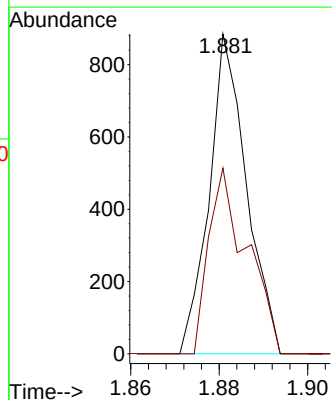
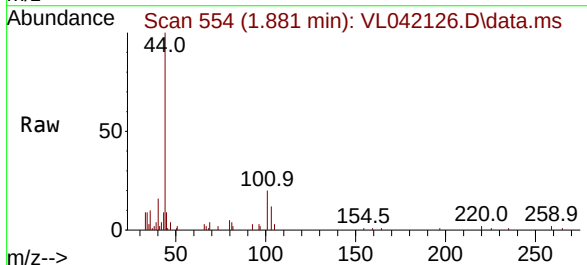
Acq: 10 Mar 2025 15:42

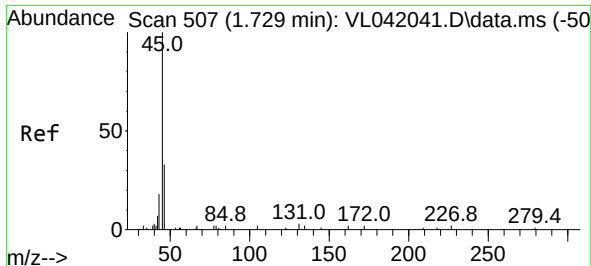
Tgt Ion: 101 Resp: 518

Ion Ratio Lower Upper

101 100

103 58.1 50.6 75.8

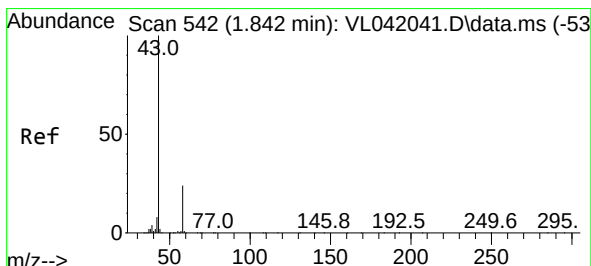
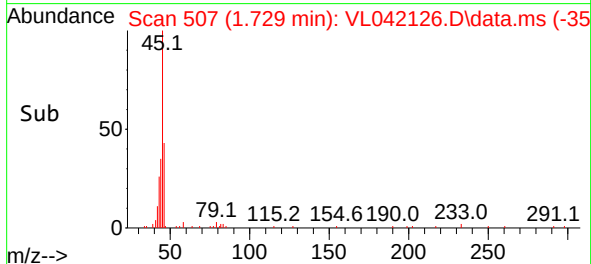
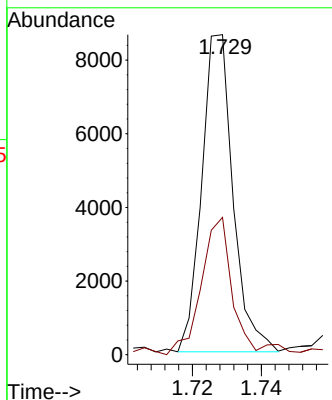
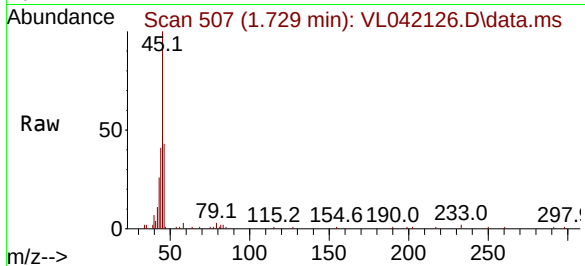




#13
 Ethanol
 Concen: 8.990 ppbv
 RT: 1.729 min Scan# 507
 Delta R.T. 0.000 min
 Lab File: VL042126.D
 Acq: 10 Mar 2025 15:42

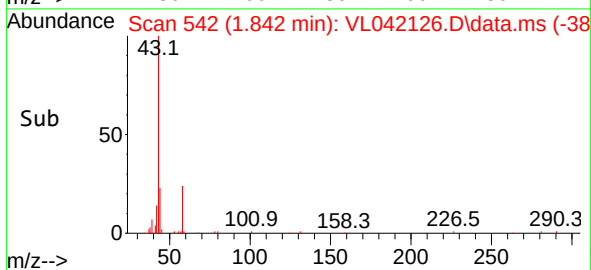
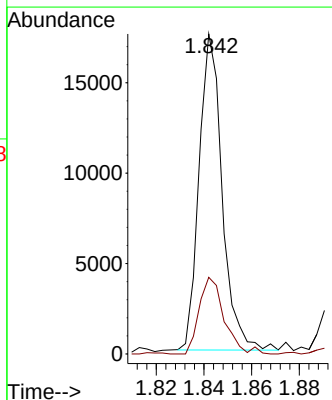
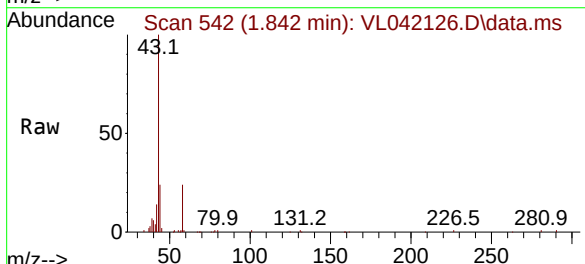
Instrument :
 MSVOA_L
 ClientSampleId :
 3DL

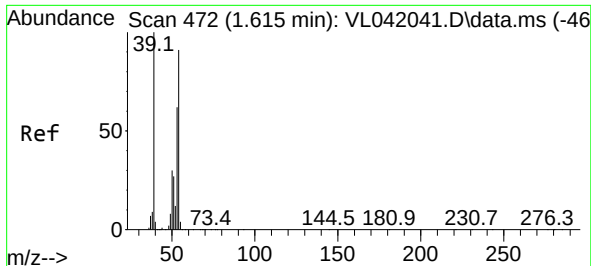
Tgt Ion: 45 Resp: 5441
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.1 68.3#



#15
 Acetone
 Concen: 0.828 ppbv
 RT: 1.842 min Scan# 542
 Delta R.T. 0.000 min
 Lab File: VL042126.D
 Acq: 10 Mar 2025 15:42

Tgt Ion: 43 Resp: 11775
 Ion Ratio Lower Upper
 43 100
 58 26.9 20.7 31.1

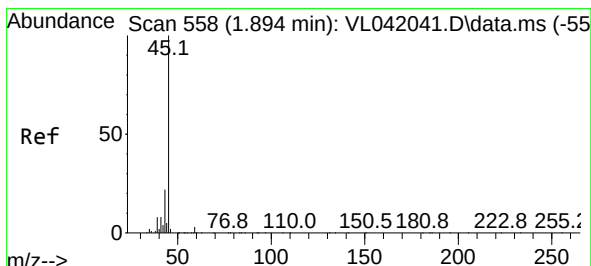
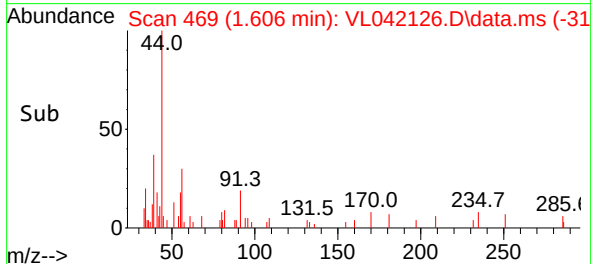
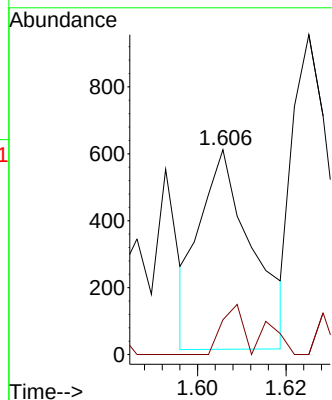
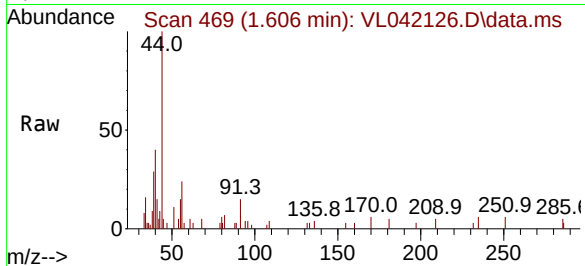




#16
1,3-Butadiene
Concen: 0.074 ppbv
RT: 1.606 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042126.D
Acq: 10 Mar 2025 15:42

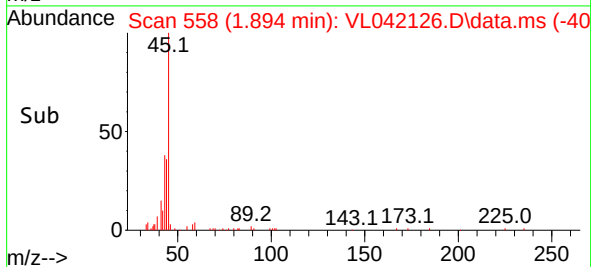
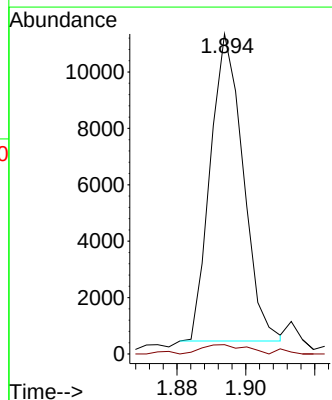
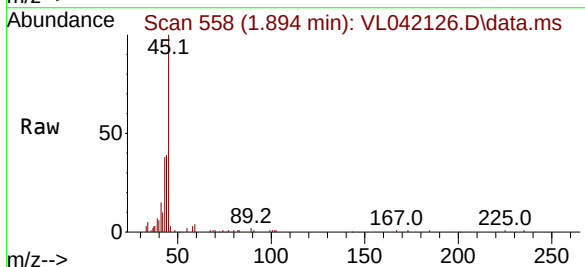
Instrument :
MSVOA_L
ClientSampleId :
3DL

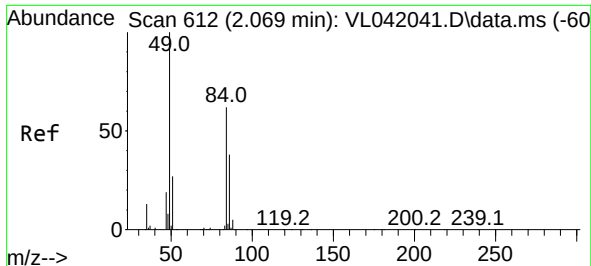
Tgt Ion: 39 Resp: 490
Ion Ratio Lower Upper
39 100
54 0.0 59.6 89.4#



#19
Isopropyl Alcohol
Concen: 0.881 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.000 min
Lab File: VL042126.D
Acq: 10 Mar 2025 15:42

Tgt Ion: 45 Resp: 7198
Ion Ratio Lower Upper
45 100
58 5.2 35.3 52.9#

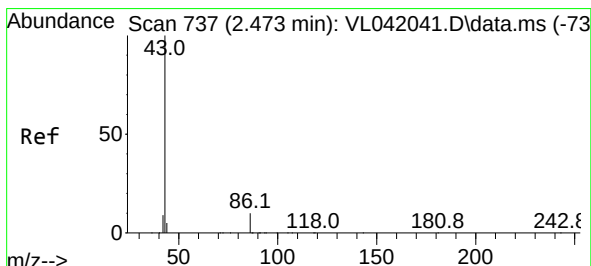
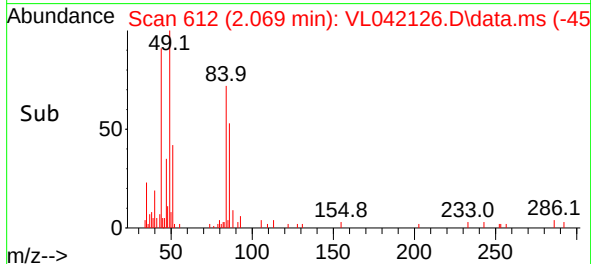
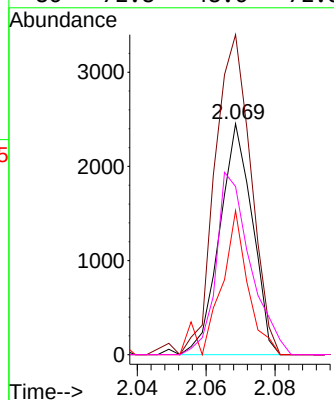
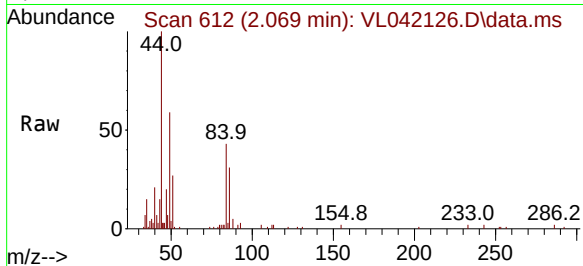




#20
Methylene Chloride
Concen: 0.301 ppbv
RT: 2.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042126.D
Acq: 10 Mar 2025 15:42

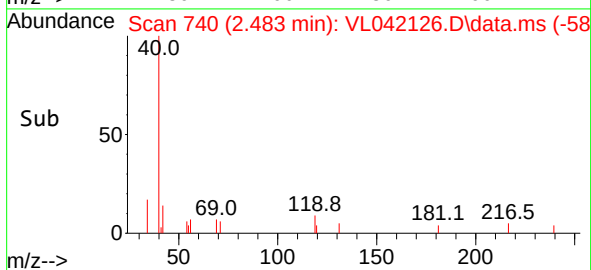
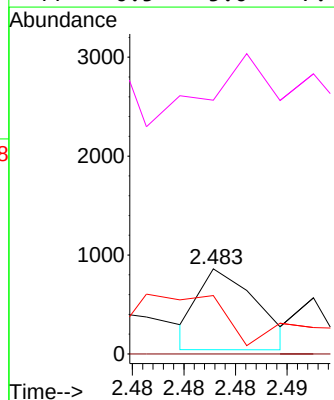
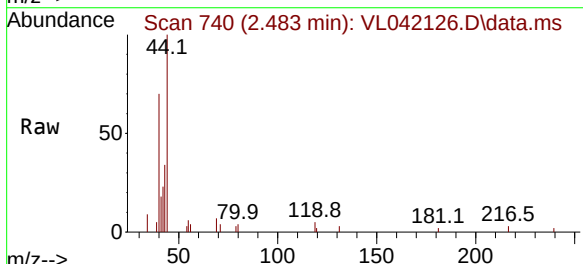
Instrument :
MSVOA_L
ClientSampleId :
3DL

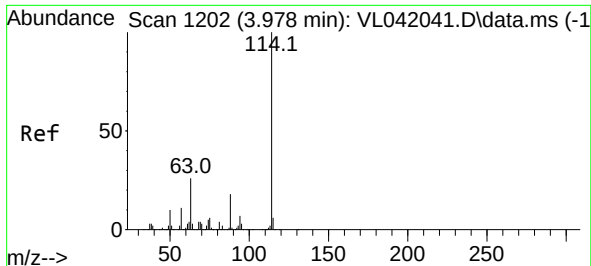
Tgt Ion:	84	Resp:	1619
Ion	Ratio	Lower	Upper
84	100		
49	138.6	130.0	195.0
51	62.4	37.4	56.0#
86	72.8	48.6	72.8



#23
Vinyl Acetate
Concen: 0.032 ppbv
RT: 2.483 min Scan# 740
Delta R.T. 0.010 min
Lab File: VL042126.D
Acq: 10 Mar 2025 15:42

Tgt Ion:	43	Resp:	320
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.0	10.4#
42	47.8	7.6	11.4#
44	0.5	5.0	7.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL042126.D

Acq: 10 Mar 2025 15:42

Instrument :

MSVOA_L

ClientSampleId :

3DL

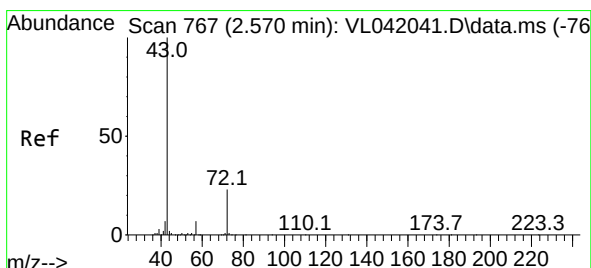
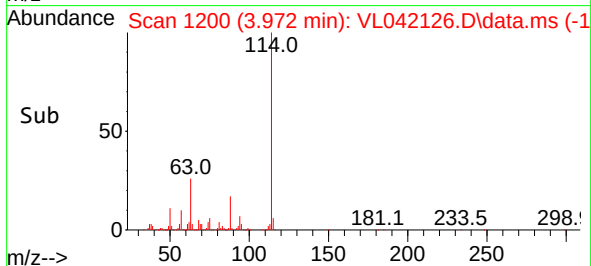
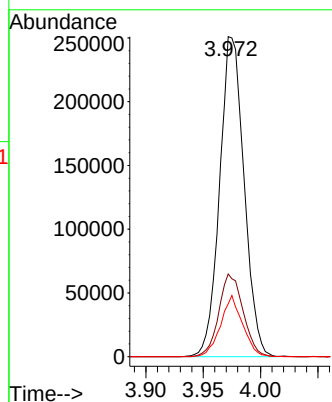
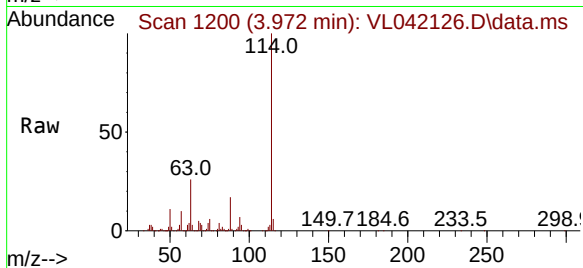
Tgt Ion:114 Resp: 372227

Ion Ratio Lower Upper

114 100

63 25.8 20.1 30.1

88 17.2 14.3 21.5



#34

2-Butanone

Concen: 0.083 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.000 min

Lab File: VL042126.D

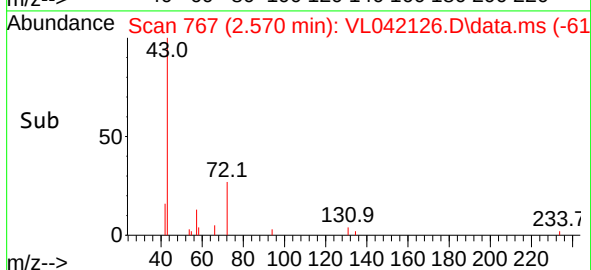
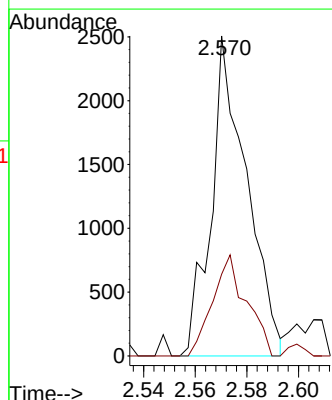
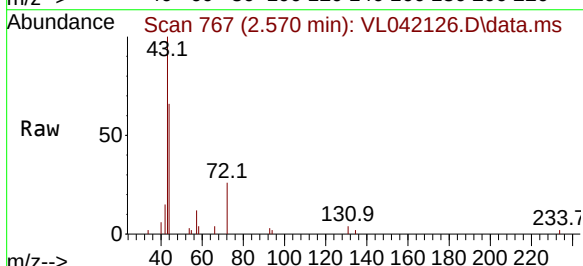
Acq: 10 Mar 2025 15:42

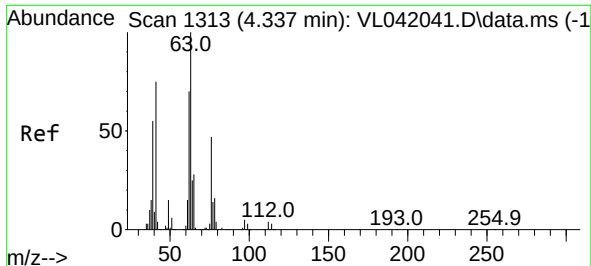
Tgt Ion: 43 Resp: 2396

Ion Ratio Lower Upper

43 100

72 31.8 18.5 27.7#





#39

1,2-Dichloropropane

Concen: 6.473 ppbv

RT: 3.972 min Scan# 11

Delta R.T. -0.366 min

Lab File: VL042126.D

Acq: 10 Mar 2025 15:42

Instrument :

MSVOA_L

ClientSampleId :

3DL

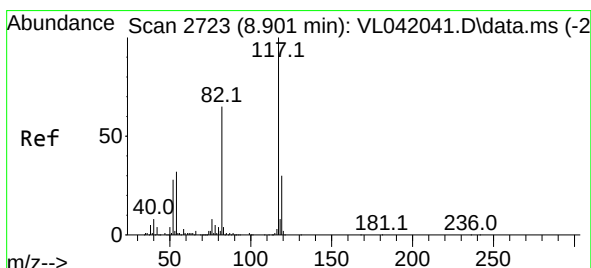
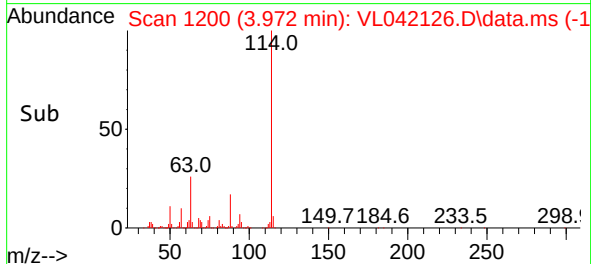
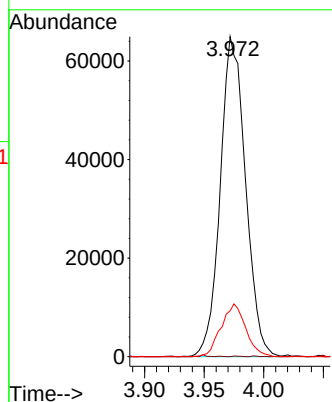
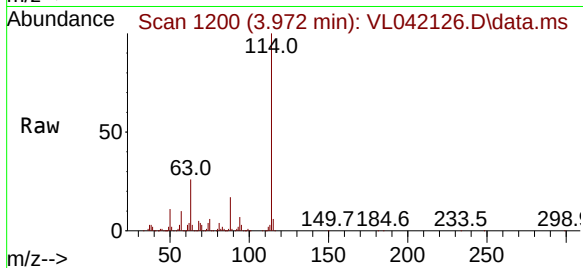
Tgt Ion: 63 Resp: 95732

Ion Ratio Lower Upper

63 100

41 0.0 60.1 90.1#

62 14.4 55.8 83.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 2722

Delta R.T. -0.003 min

Lab File: VL042126.D

Acq: 10 Mar 2025 15:42

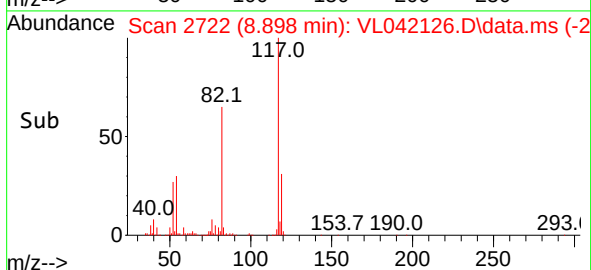
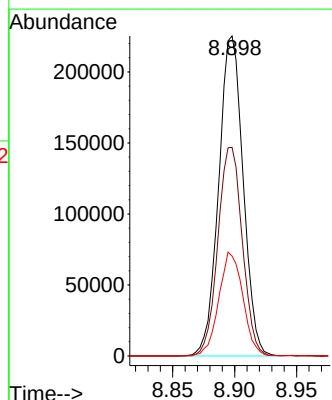
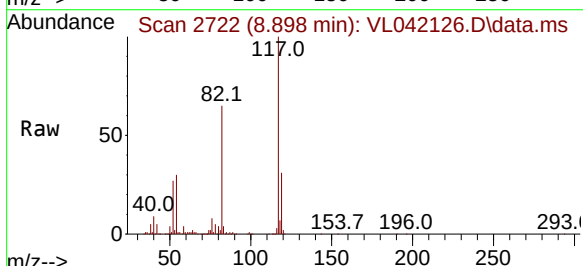
Tgt Ion: 117 Resp: 310018

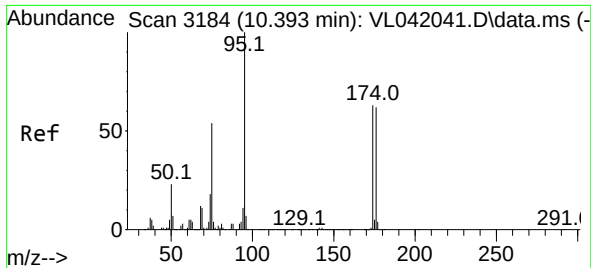
Ion Ratio Lower Upper

117 100

82 65.3 55.0 82.6

119 32.1 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.083 ppbv
 RT: 10.390 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL042126.D
 Acq: 10 Mar 2025 15:42

Instrument :
 MSVOA_L
 ClientSampleId :
 3DL

Tgt Ion: 95 Resp: 240498
 Ion Ratio Lower Upper
 95 100
 174 63.3 51.8 77.6
 175 4.5 3.9 5.9

