

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042124.D
 Acq On : 10 Mar 2025 14:37
 Operator : SY/MD
 Sample : Q1532-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 2DL

Quant Time: Mar 11 01:25:27 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	165446	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	385805	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	316585	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	244109	10.022	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%

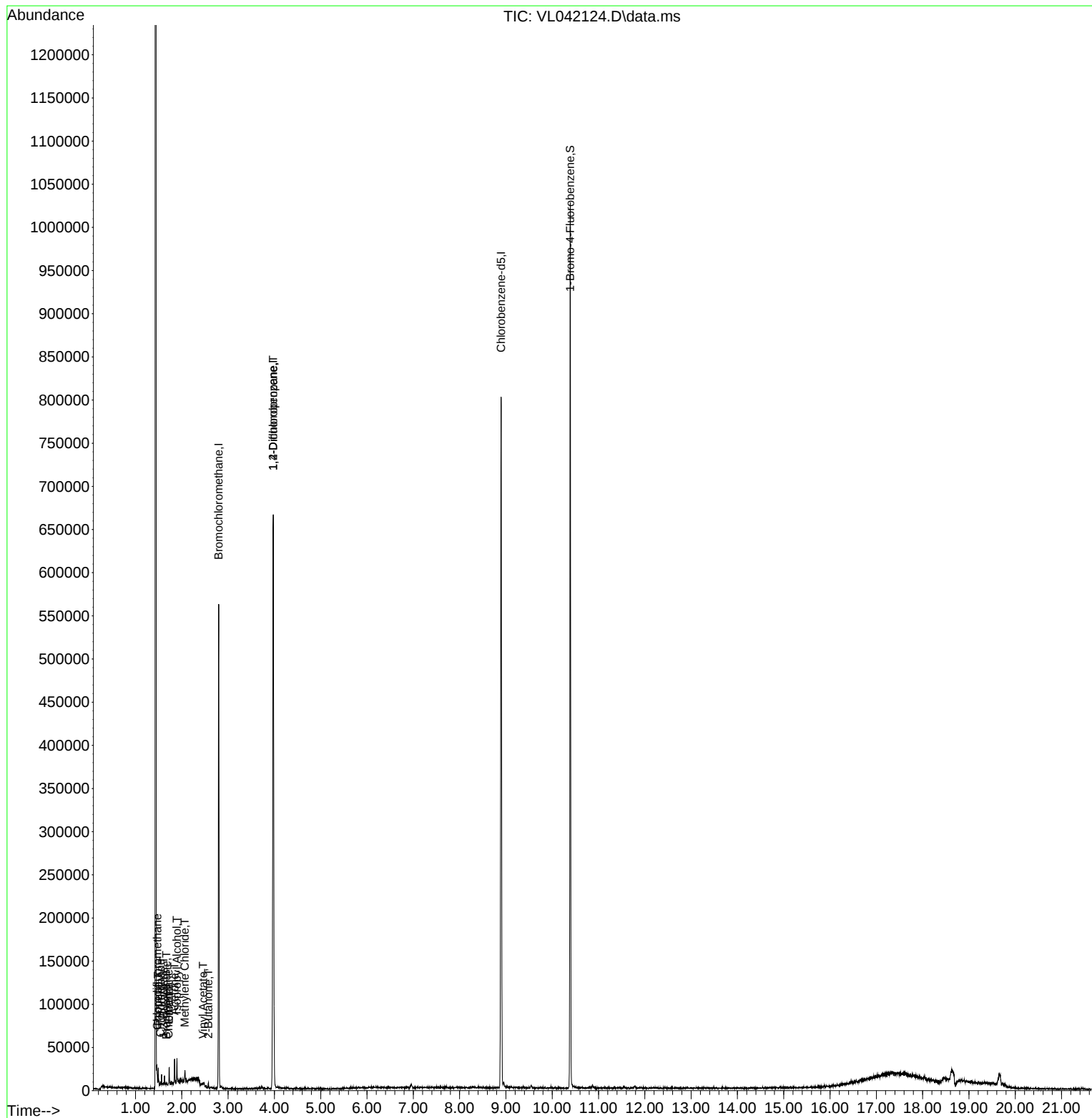
Target Compounds						Qvalue
3) Chlorodifluoromethane	1.470	51	2474	0.103	ppbv #	79
4) Chloromethane	1.538	50	714	0.112	ppbv #	48
6) Bromomethane	1.667	94	88	0.031	ppbv #	2
7) Chloroethane	1.712	64	89	0.036	ppbv #	39
9) Propene	1.489	41	2073	0.212	ppbv	85
13) Ethanol	1.725	45	6698	10.771	ppbv #	33
15) Acetone	1.842	43	12804	0.876	ppbv	95
16) 1,3-Butadiene	1.602	39	680	0.100	ppbv #	24
19) Isopropyl Alcohol	1.894	45	10773	1.284	ppbv	88
20) Methylene Chloride	2.065	84	1684	0.305	ppbv #	81
23) Vinyl Acetate	2.457	43	1554	0.151	ppbv #	57
34) 2-Butanone	2.570	43	3441	0.114	ppbv	100
39) 1,2-Dichloropropane	3.975	63	97377	6.352	ppbv #	23

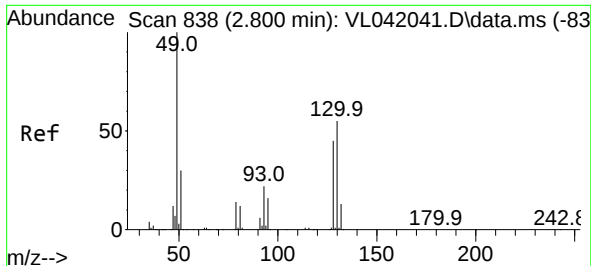
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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2DL

Quant Time: Mar 11 01:25:27 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

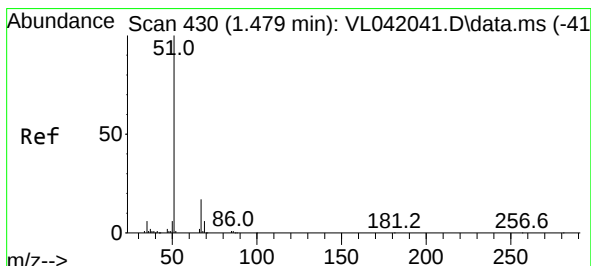
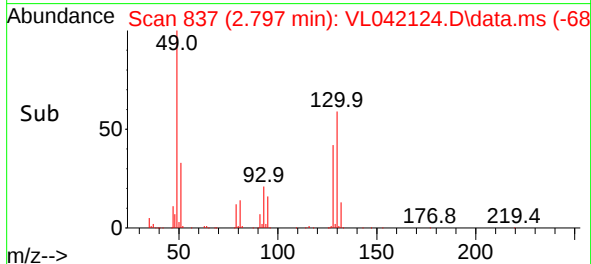
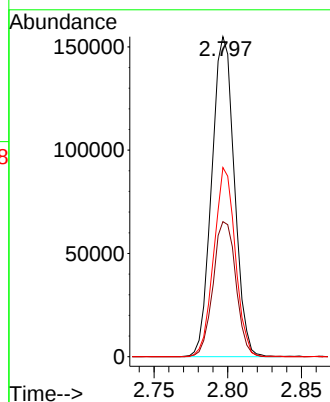
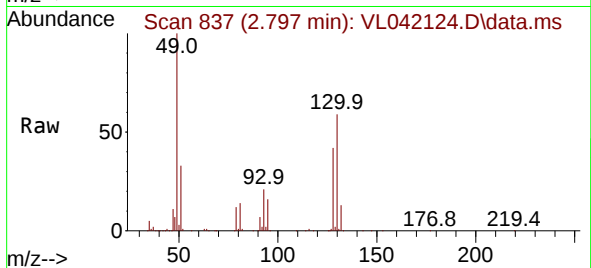




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042124.D
Acq: 10 Mar 2025 14:37

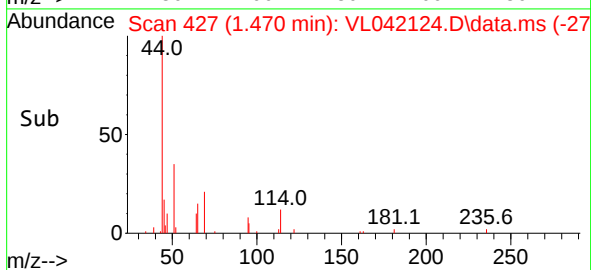
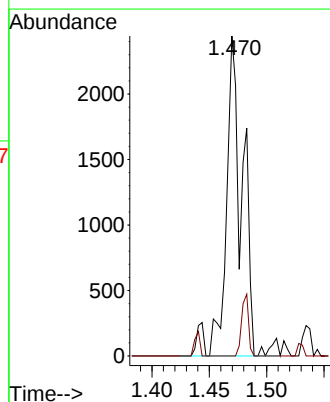
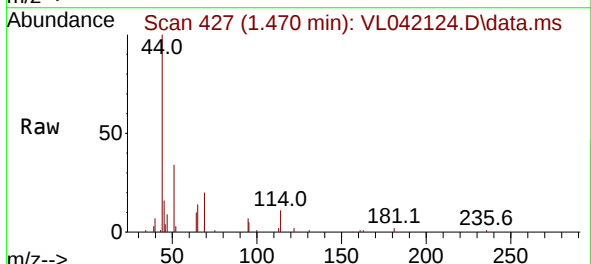
Instrument :
MSVOA_L
ClientSampleId :
2DL

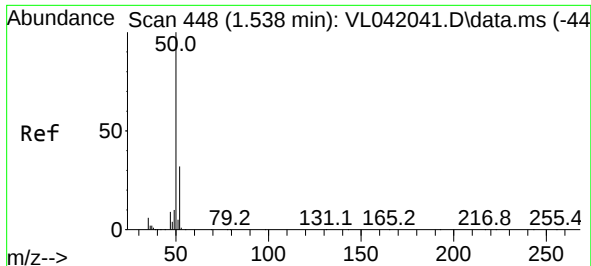
Tgt Ion: 49 Resp: 165446
Ion Ratio Lower Upper
49 100
128 42.4 21.6 64.8
130 56.0 27.8 83.4



#3
Chlorodifluoromethane
Concen: 0.103 ppbv
RT: 1.470 min Scan# 427
Delta R.T. -0.010 min
Lab File: VL042124.D
Acq: 10 Mar 2025 14:37

Tgt Ion: 51 Resp: 2474
Ion Ratio Lower Upper
51 100
67 7.9 13.7 20.5#

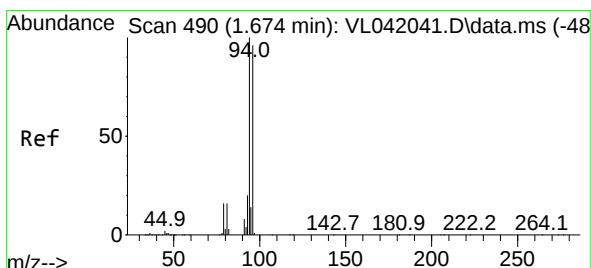
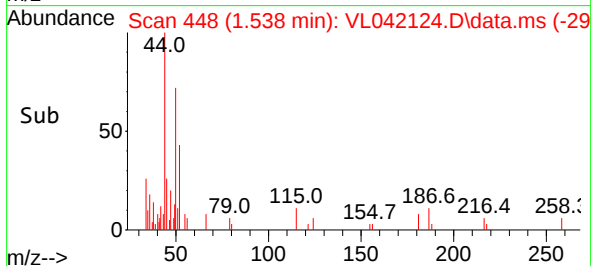
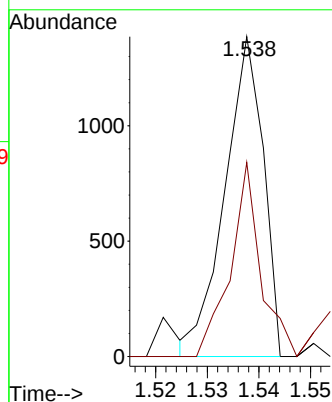
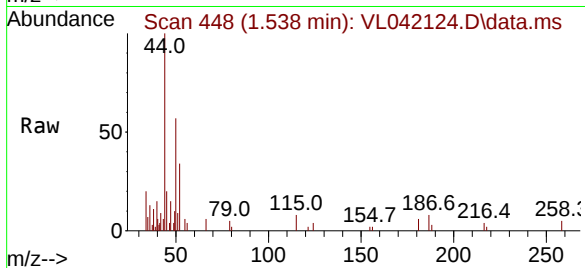




#4
Chloromethane
Concen: 0.112 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042124.D
Acq: 10 Mar 2025 14:37

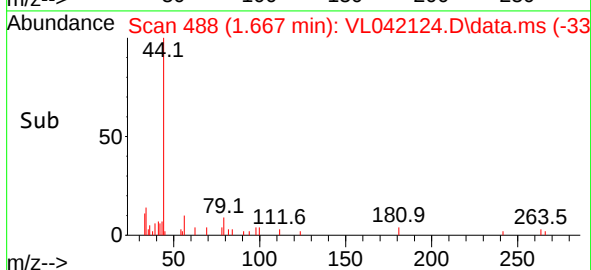
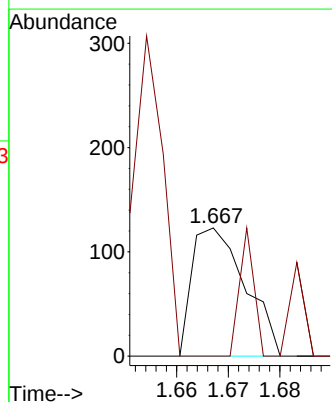
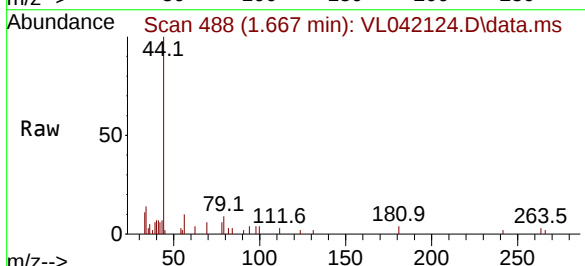
Instrument :
MSVOA_L
ClientSampleId :
2DL

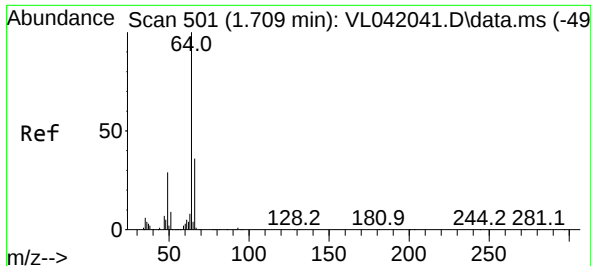
Tgt Ion: 50 Resp: 714
Ion Ratio Lower Upper
50 100
52 60.7 25.4 38.0#



#6
Bromomethane
Concen: 0.031 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.007 min
Lab File: VL042124.D
Acq: 10 Mar 2025 14:37

Tgt Ion: 94 Resp: 88
Ion Ratio Lower Upper
94 100
96 0.0 76.5 114.7#

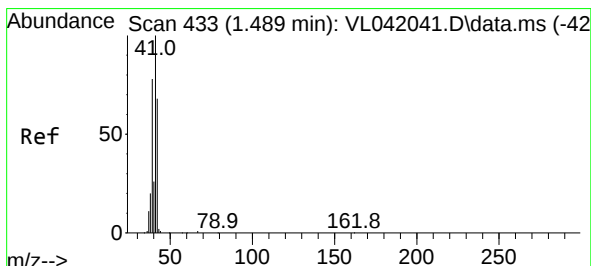
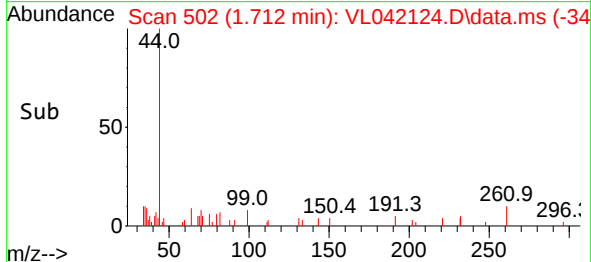
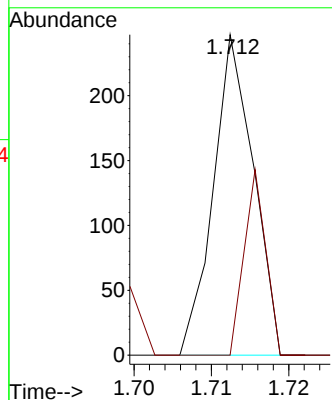
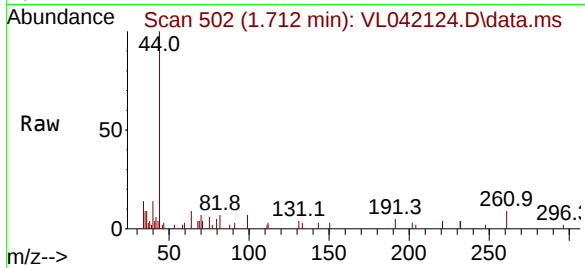




#7
Chloroethane
Concen: 0.036 ppbv
RT: 1.712 min Scan# 501
Delta R.T. 0.003 min
Lab File: VL042124.D
Acq: 10 Mar 2025 14:37

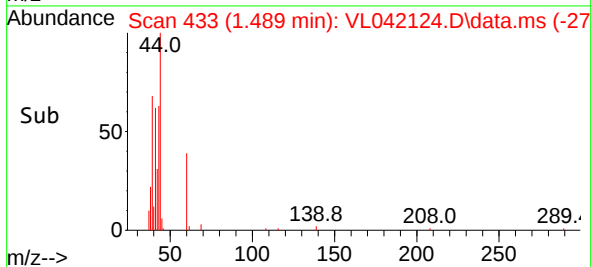
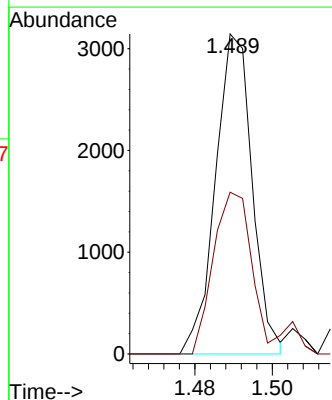
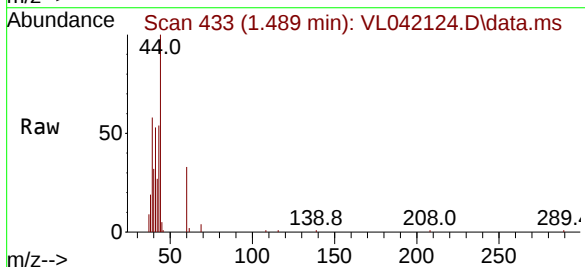
Instrument :
MSVOA_L
ClientSampleId :
2DL

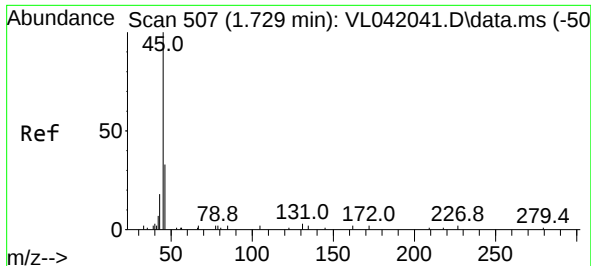
Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 0.0 28.4 42.6#



#9
Propene
Concen: 0.212 ppbv
RT: 1.489 min Scan# 433
Delta R.T. -0.000 min
Lab File: VL042124.D
Acq: 10 Mar 2025 14:37

Tgt Ion: 41 Resp: 2073
Ion Ratio Lower Upper
41 100
42 57.7 55.8 83.6

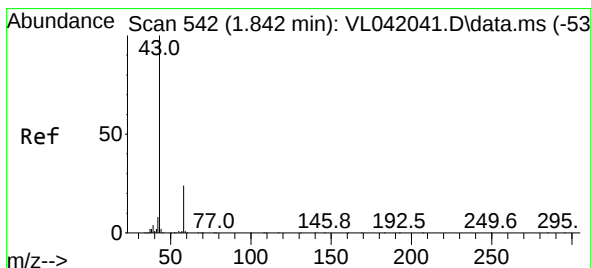
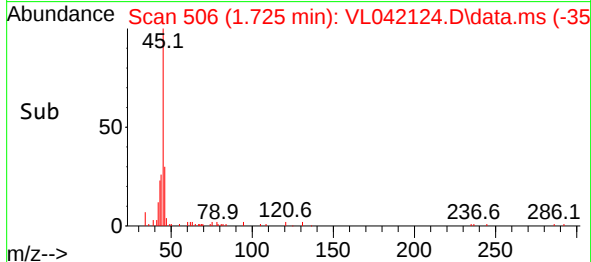
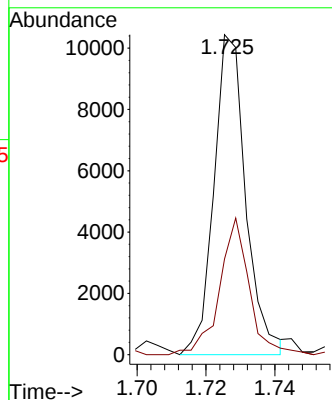
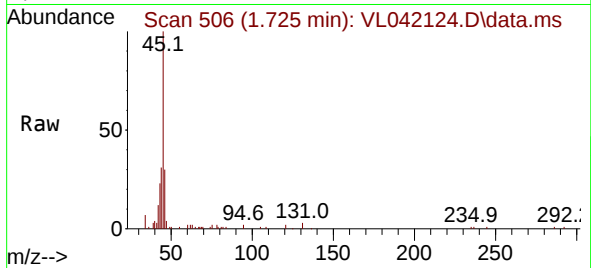




#13
 Ethanol
 Concen: 10.771 ppbv
 RT: 1.725 min Scan# 507
 Delta R.T. -0.003 min
 Lab File: VL042124.D
 Acq: 10 Mar 2025 14:37

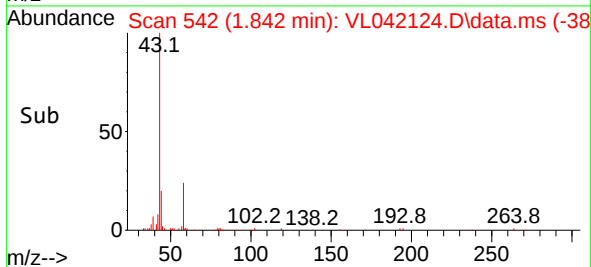
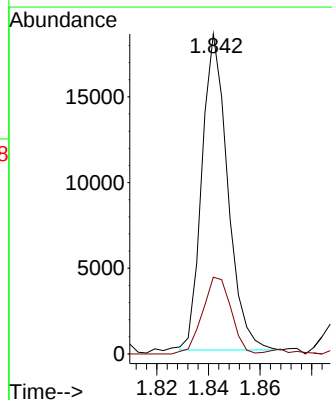
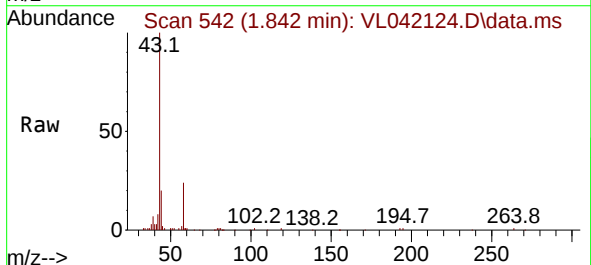
Instrument :
 MSVOA_L
 ClientSampleId :
 2DL

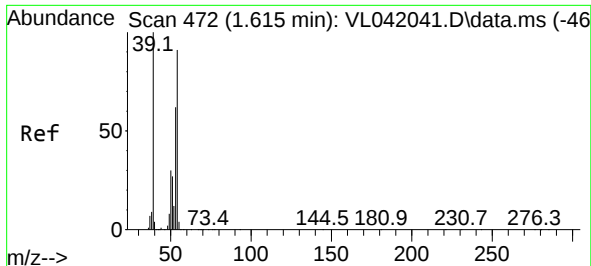
Tgt Ion: 45 Resp: 6698
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.1 68.3#



#15
 Acetone
 Concen: 0.876 ppbv
 RT: 1.842 min Scan# 542
 Delta R.T. -0.000 min
 Lab File: VL042124.D
 Acq: 10 Mar 2025 14:37

Tgt Ion: 43 Resp: 12804
 Ion Ratio Lower Upper
 43 100
 58 28.3 20.7 31.1

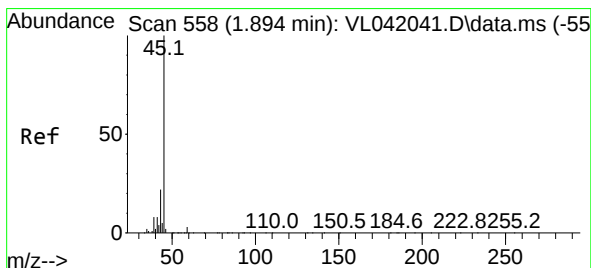
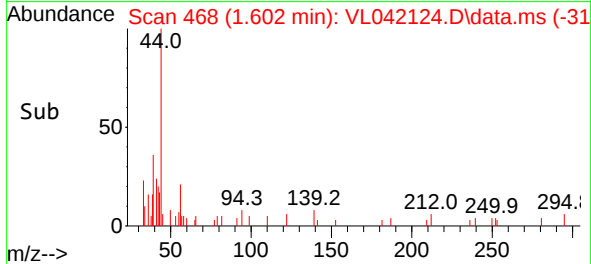
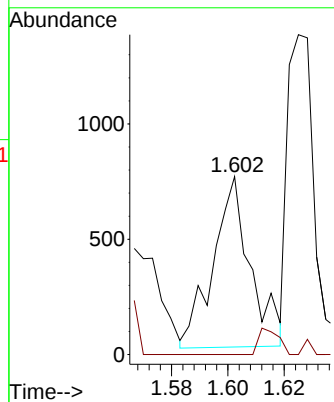
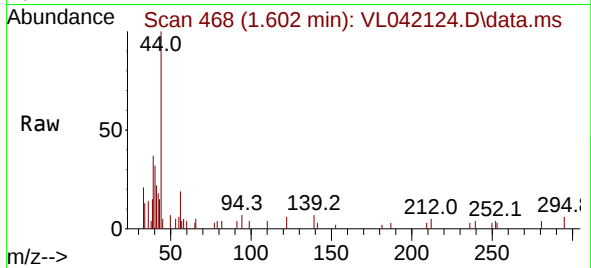




#16
1,3-Butadiene
Concen: 0.100 ppbv
RT: 1.602 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL042124.D
Acq: 10 Mar 2025 14:37

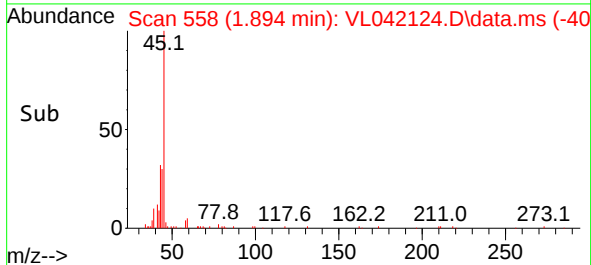
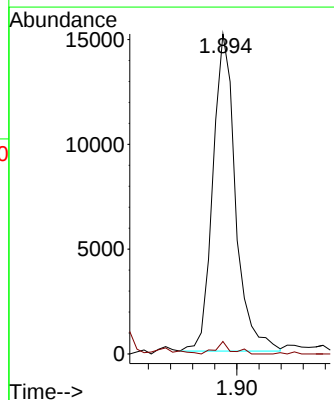
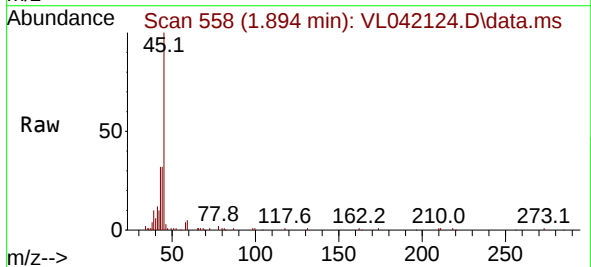
Instrument :
MSVOA_L
ClientSampleId :
2DL

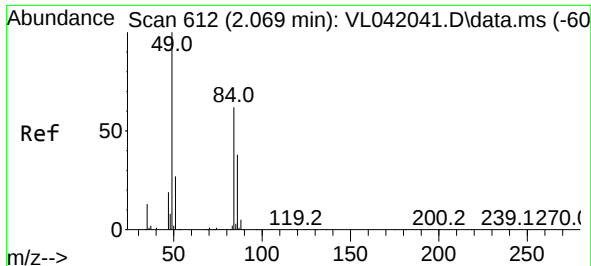
Tgt Ion: 39 Resp: 680
Ion Ratio Lower Upper
39 100
54 10.1 59.6 89.4#



#19
Isopropyl Alcohol
Concen: 1.284 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.000 min
Lab File: VL042124.D
Acq: 10 Mar 2025 14:37

Tgt Ion: 45 Resp: 10773
Ion Ratio Lower Upper
45 100
58 36.2 35.3 52.9

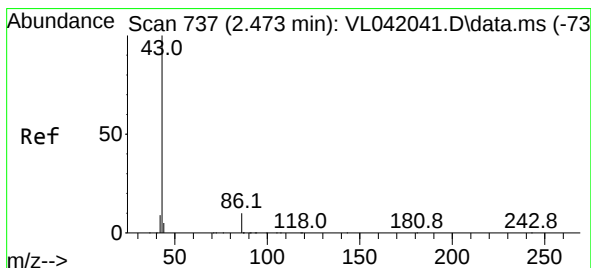
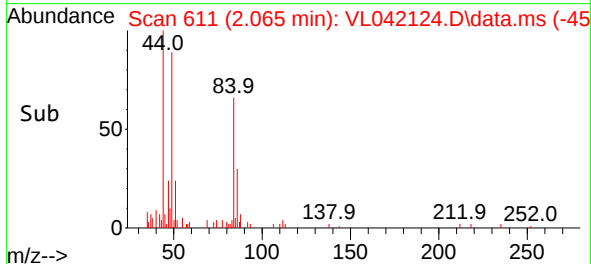
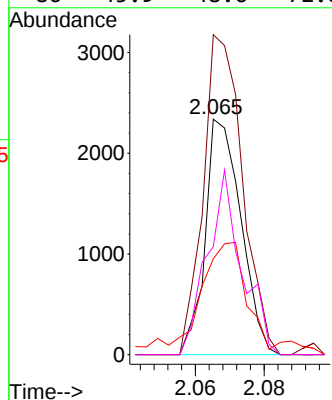
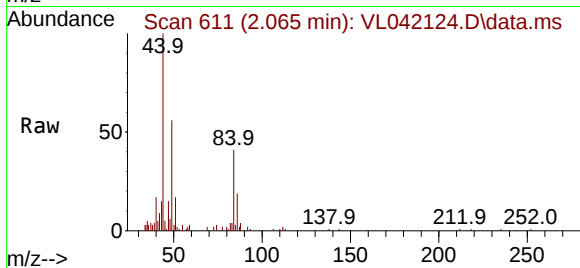




#20
Methylene Chloride
Concen: 0.305 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042124.D
Acq: 10 Mar 2025 14:37

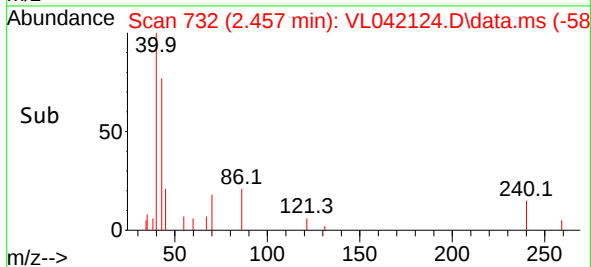
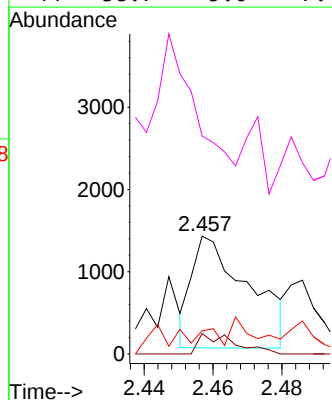
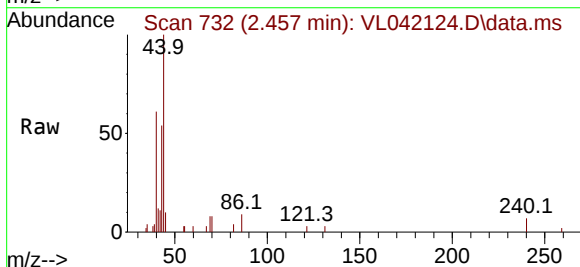
Instrument :
MSVOA_L
ClientSampleId :
2DL

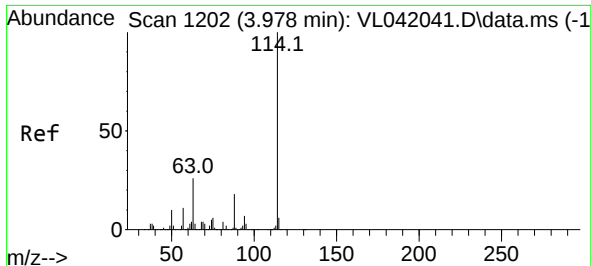
Tgt Ion:	84	Resp:	1684
Ion	Ratio	Lower	Upper
84	100		
49	135.9	130.0	195.0
51	35.4	37.4	56.0#
86	45.9	48.6	72.8#



#23
Vinyl Acetate
Concen: 0.151 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.016 min
Lab File: VL042124.D
Acq: 10 Mar 2025 14:37

Tgt Ion:	43	Resp:	1554
Ion	Ratio	Lower	Upper
43	100		
86	26.5	7.0	10.4#
42	10.7	7.6	11.4
44	38.7	5.0	7.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042124.D

Acq: 10 Mar 2025 14:37

Instrument :

MSVOA_L

ClientSampleId :

2DL

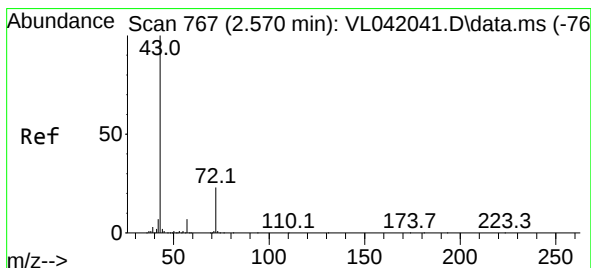
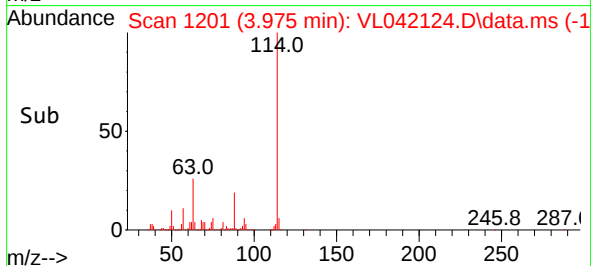
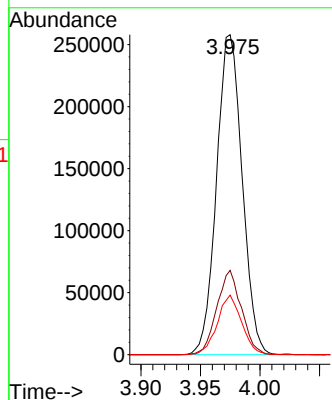
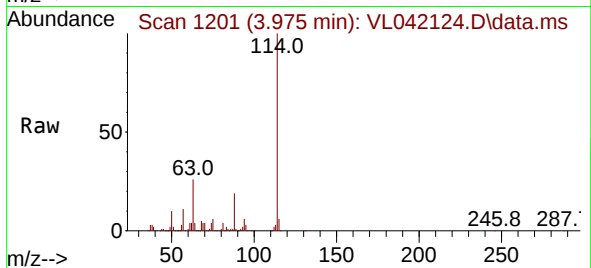
Tgt Ion:114 Resp: 385805

Ion Ratio Lower Upper

114 100

63 25.3 20.1 30.1

88 17.7 14.3 21.5



#34

2-Butanone

Concen: 0.114 ppbv

RT: 2.570 min Scan# 767

Delta R.T. -0.000 min

Lab File: VL042124.D

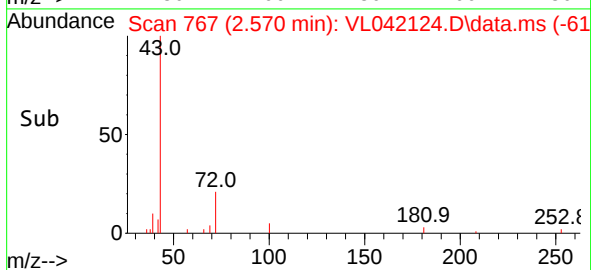
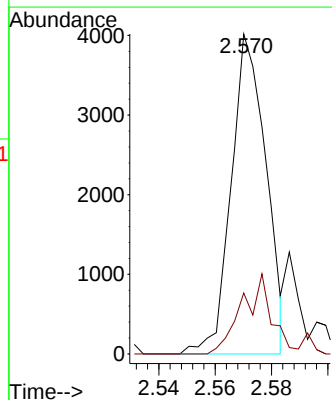
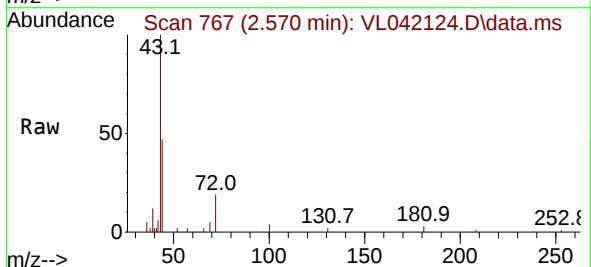
Acq: 10 Mar 2025 14:37

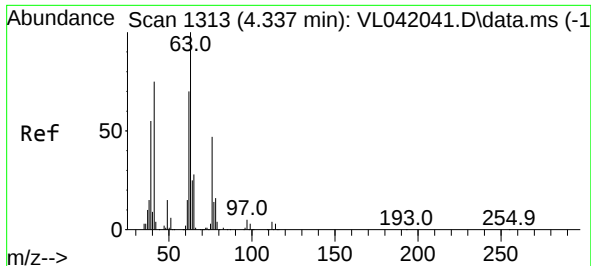
Tgt Ion: 43 Resp: 3441

Ion Ratio Lower Upper

43 100

72 23.3 18.5 27.7





#39

1,2-Dichloropropane

Concen: 6.352 ppbv

RT: 3.975 min Scan# 11

Delta R.T. -0.363 min

Lab File: VL042124.D

Acq: 10 Mar 2025 14:37

Instrument :

MSVOA_L

ClientSampleId :

2DL

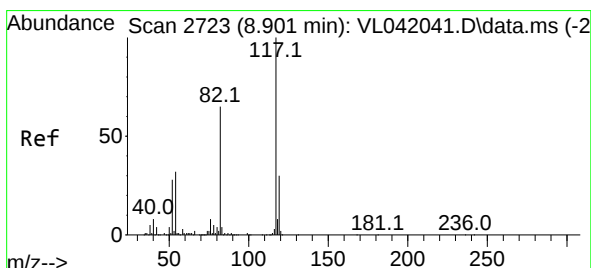
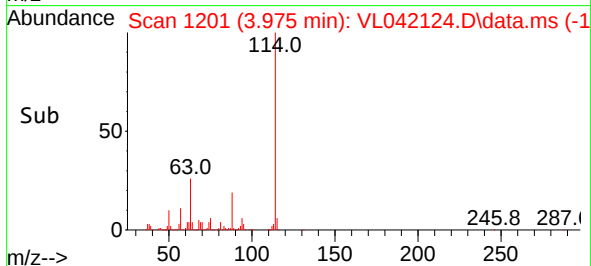
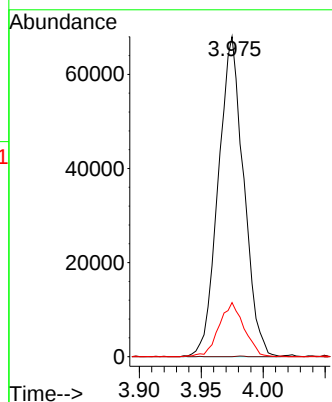
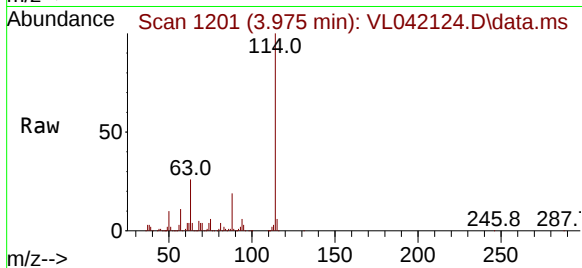
Tgt Ion: 63 Resp: 97377

Ion Ratio Lower Upper

63 100

41 0.0 60.1 90.1#

62 16.9 55.8 83.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 2721

Delta R.T. -0.007 min

Lab File: VL042124.D

Acq: 10 Mar 2025 14:37

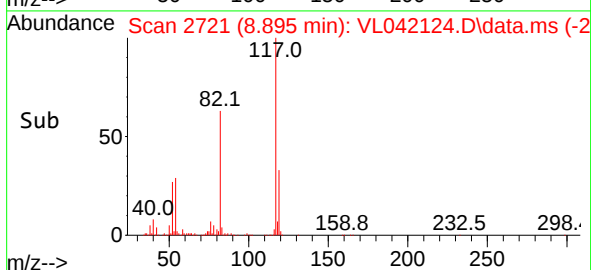
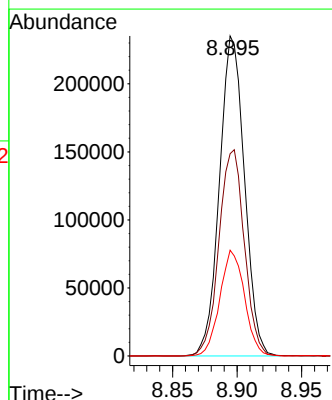
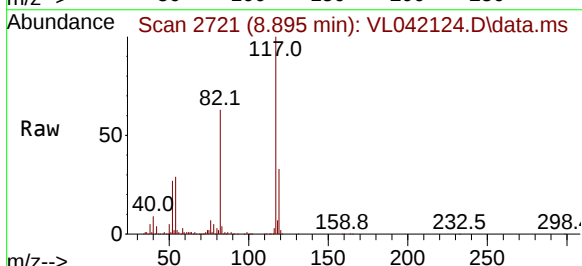
Tgt Ion: 117 Resp: 316585

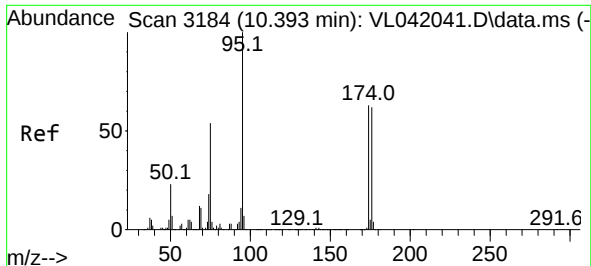
Ion Ratio Lower Upper

117 100

82 65.5 55.0 82.6

119 32.6 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.022 ppbv
 RT: 10.390 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL042124.D
 Acq: 10 Mar 2025 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 2DL

Tgt Ion: 95 Resp: 244109
 Ion Ratio Lower Upper
 95 100
 174 64.3 51.8 77.6
 175 4.8 3.9 5.9

