

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042251.D
 Acq On : 08 Apr 2025 01:48
 Operator : SY/MD
 Sample : Q1725-08DL2 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-2-03312025DL

Quant Time: Apr 08 04:49:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

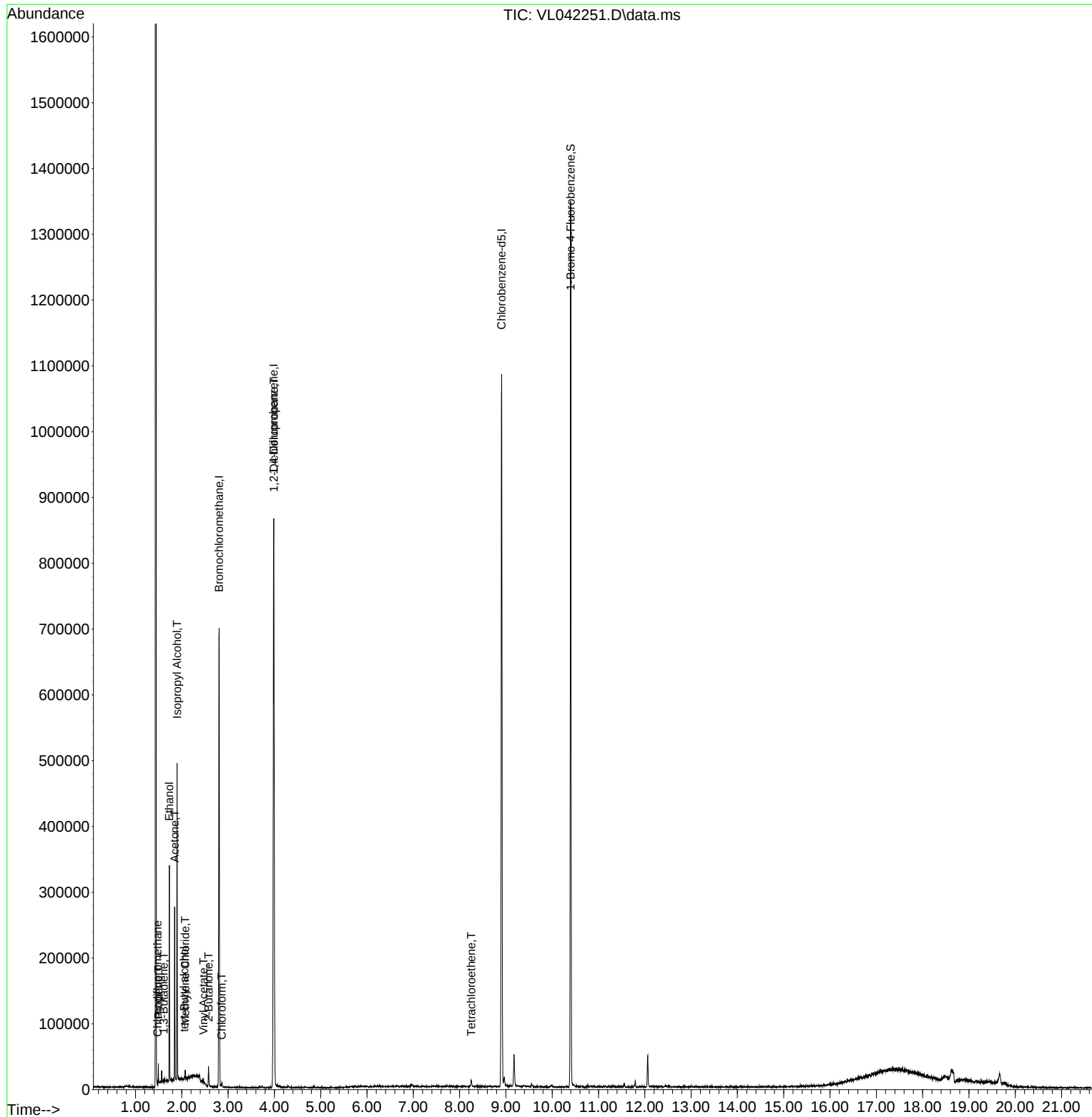
Internal Standards						
1) Bromochloromethane	2.803	49	194708	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.985	114	494678	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.907	117	424907	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	324876	9.310	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.100%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.473	51	1146	0.039	ppbv #	78
9) Propene	1.496	41	2943	0.219	ppbv	100
13) Ethanol	1.732	45	119090	93.585	ppbv	81
15) Acetone	1.845	43	109482	4.020	ppbv	96
16) 1,3-Butadiene	1.612	39	911	0.069	ppbv #	31
17) tert-Butyl alcohol	2.056	59	1323	0.039	ppbv #	76
19) Isopropyl Alcohol	1.897	45	196635	12.798	ppbv #	33
20) Methylene Chloride	2.072	84	1654	0.163	ppbv #	92
23) Vinyl Acetate	2.470	43	2030	0.172	ppbv #	81
29) Chloroform	2.861	83	1252	0.031	ppbv #	78
34) 2-Butanone	2.577	43	18789	0.524	ppbv	94
39) 1,2-Dichloropropane	3.988	63	125598	7.032	ppbv #	22
52) Tetrachloroethene	8.250	164	1122	0.058	ppbv	90

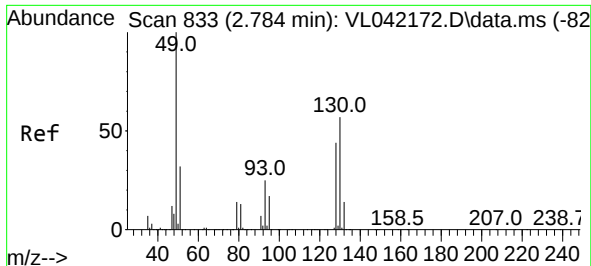
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042251.D
Acq On : 08 Apr 2025 01:48
Operator : SY/MD
Sample : Q1725-08DL2 10X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Quant Time: Apr 08 04:49:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

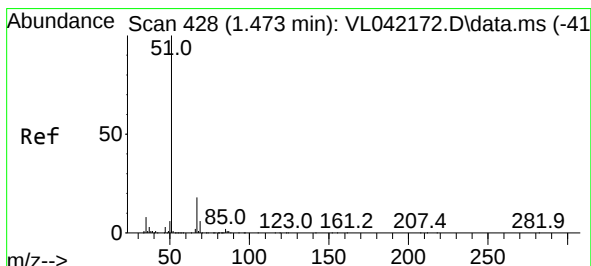
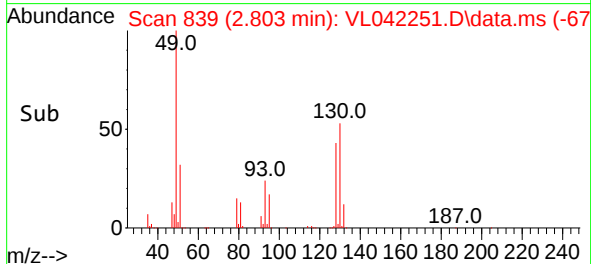
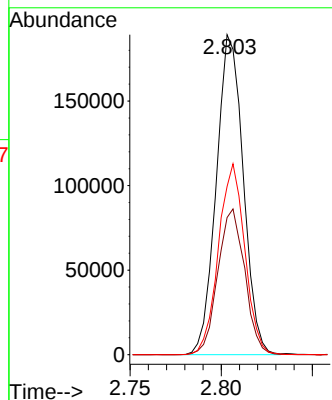
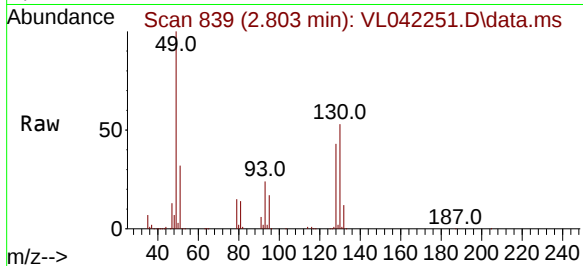




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

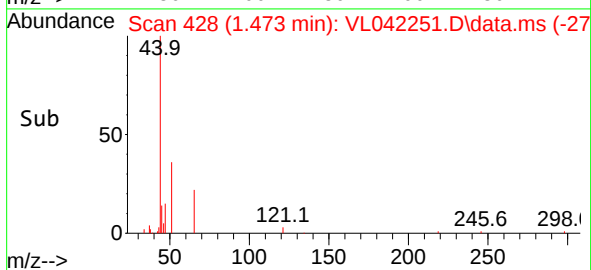
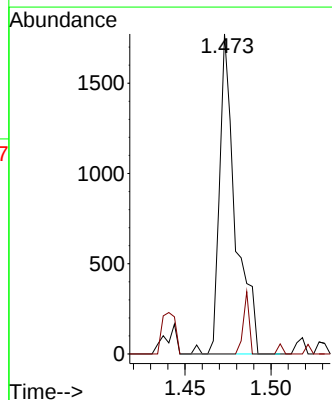
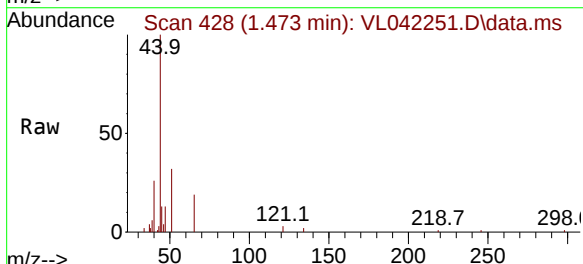
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

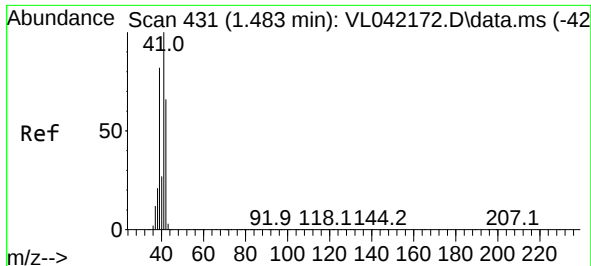
Tgt Ion: 49 Resp: 194708
Ion Ratio Lower Upper
49 100
128 45.4 22.9 68.5
130 58.3 28.8 86.4



#3
Chlorodifluoromethane
Concen: 0.039 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 51 Resp: 1146
Ion Ratio Lower Upper
51 100
67 8.9 15.0 22.6#





#9

Propene

Concen: 0.219 ppbv

RT: 1.496 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL042251.D

Acq: 08 Apr 2025 01:48

Instrument :

MSVOA_L

ClientSampleId :

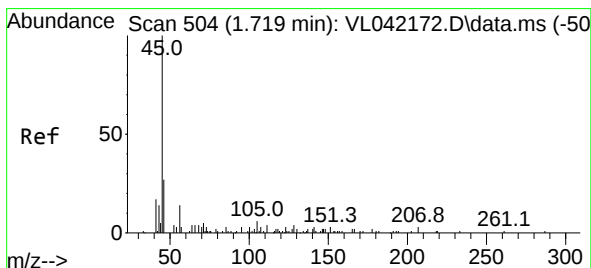
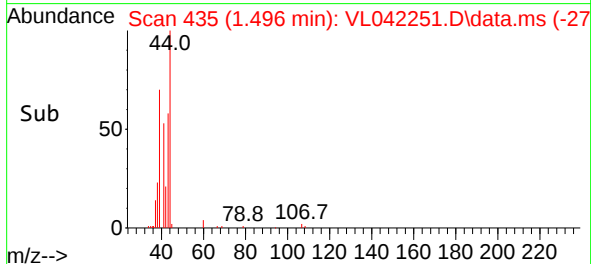
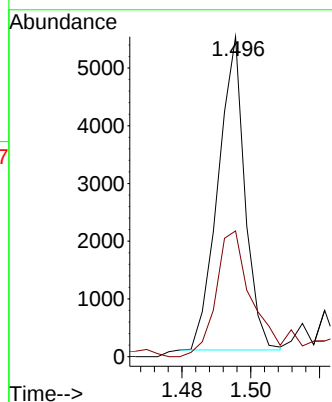
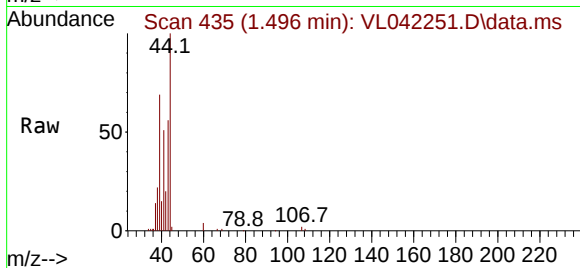
SSSG-B10-2-03312025DL

Tgt Ion: 41 Resp: 2943

Ion Ratio Lower Upper

41 100

42 69.3 55.4 83.2



#13

Ethanol

Concen: 93.585 ppbv

RT: 1.732 min Scan# 508

Delta R.T. 0.013 min

Lab File: VL042251.D

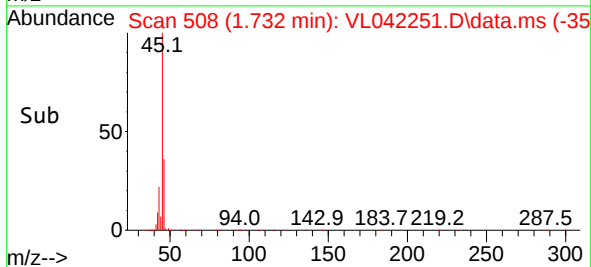
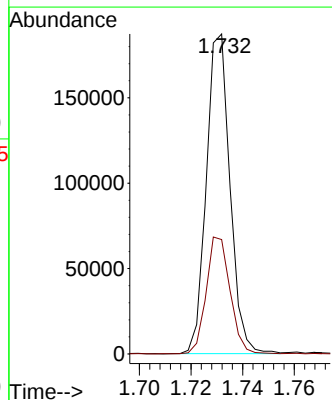
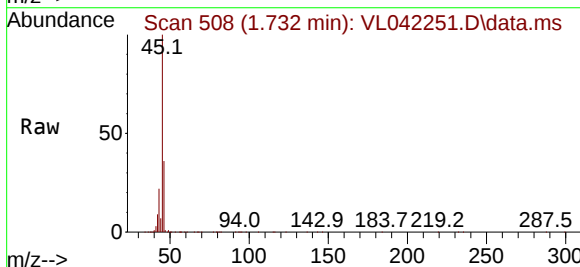
Acq: 08 Apr 2025 01:48

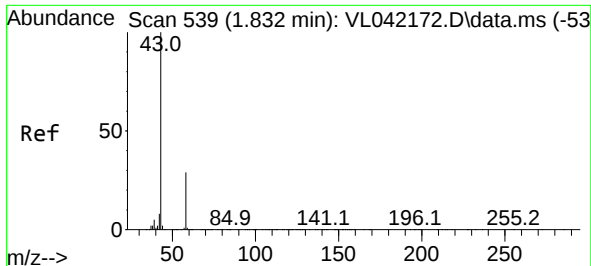
Tgt Ion: 45 Resp: 119090

Ion Ratio Lower Upper

45 100

46 37.3 20.2 80.8





#15

Acetone

Concen: 4.020 ppbv

RT: 1.845 min Scan# 541

Delta R.T. 0.013 min

Lab File: VL042251.D

Acq: 08 Apr 2025 01:48

Instrument :

MSVOA_L

ClientSampleId :

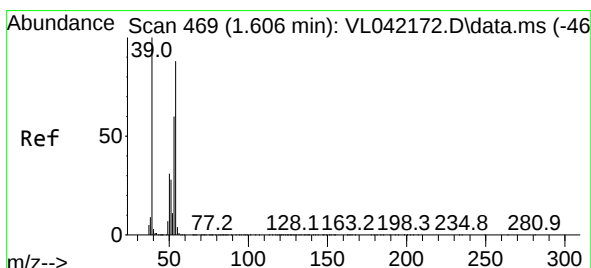
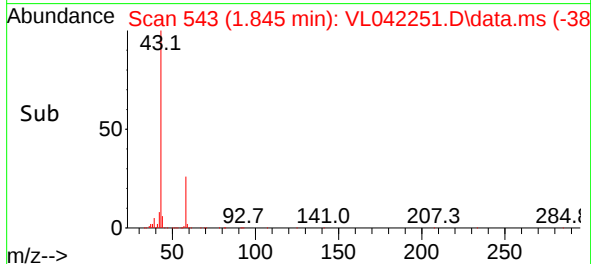
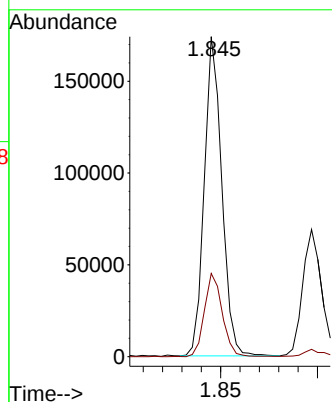
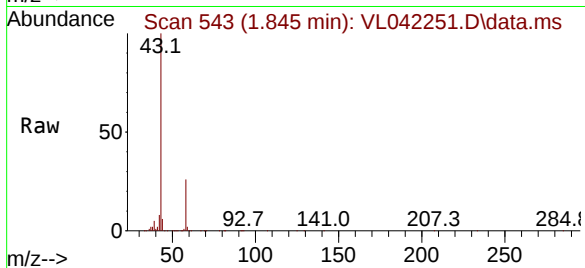
SSSG-B10-2-03312025DL

Tgt Ion: 43 Resp: 109482

Ion Ratio Lower Upper

43 100

58 26.8 23.2 34.8



#16

1,3-Butadiene

Concen: 0.069 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.006 min

Lab File: VL042251.D

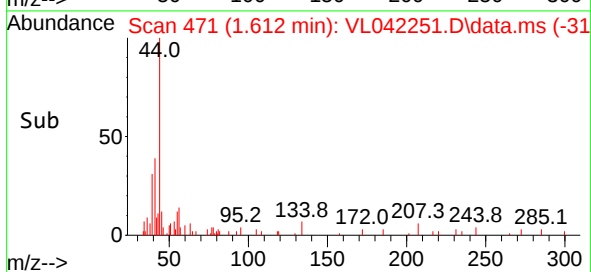
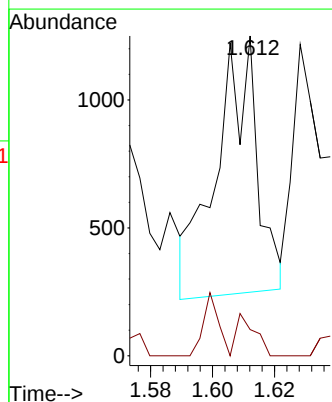
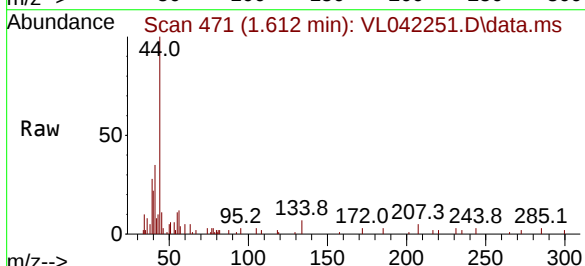
Acq: 08 Apr 2025 01:48

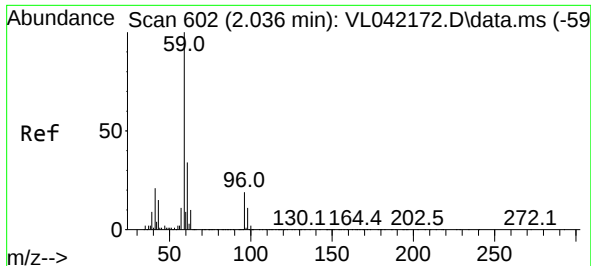
Tgt Ion: 39 Resp: 911

Ion Ratio Lower Upper

39 100

54 16.7 60.7 91.1#





#17

tert-Butyl alcohol

Concen: 0.039 ppbv

RT: 2.056 min Scan# 602

Delta R.T. 0.019 min

Lab File: VL042251.D

Acq: 08 Apr 2025 01:48

Instrument :

MSVOA_L

ClientSampleId :

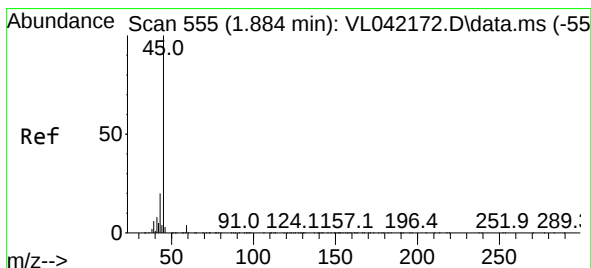
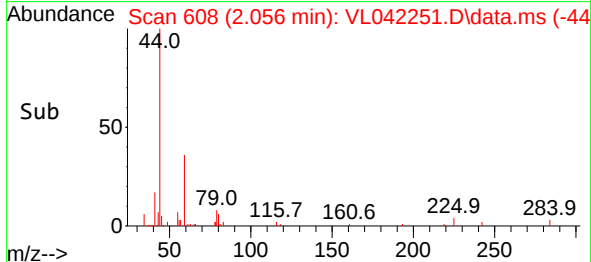
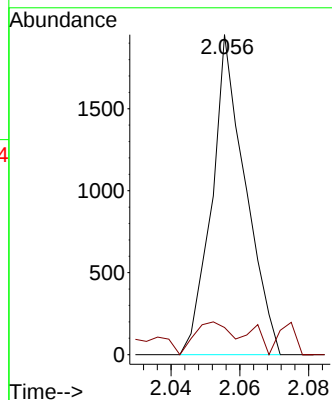
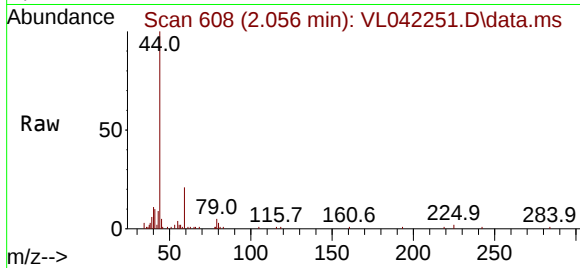
SSSG-B10-2-03312025DL

Tgt Ion: 59 Resp: 1323

Ion Ratio Lower Upper

59 100

57 20.4 8.9 13.3#



#19

Isopropyl Alcohol

Concen: 12.798 ppbv

RT: 1.897 min Scan# 559

Delta R.T. 0.013 min

Lab File: VL042251.D

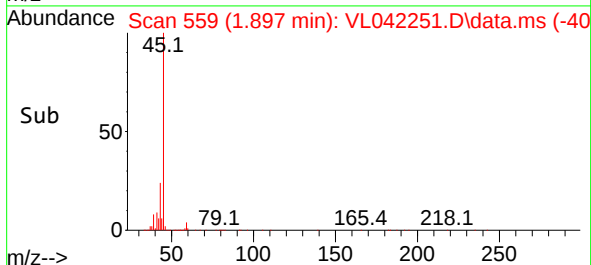
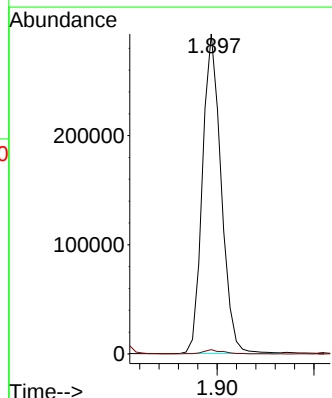
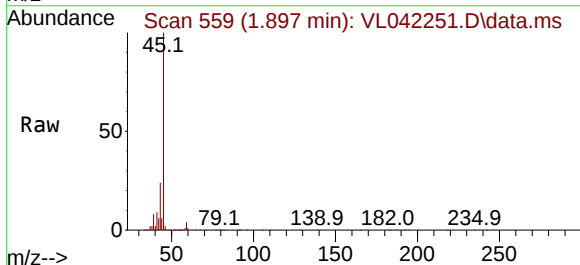
Acq: 08 Apr 2025 01:48

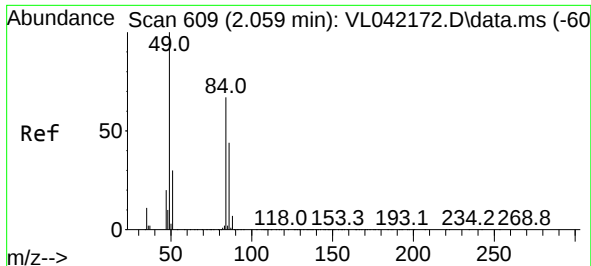
Tgt Ion: 45 Resp: 196635

Ion Ratio Lower Upper

45 100

58 1.5 36.9 55.3#

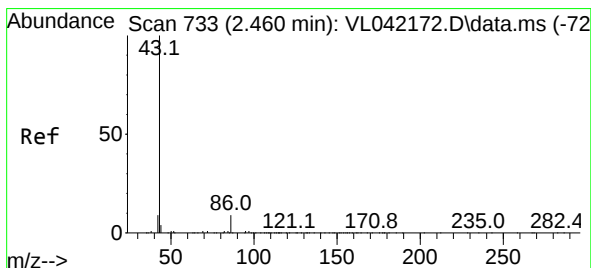
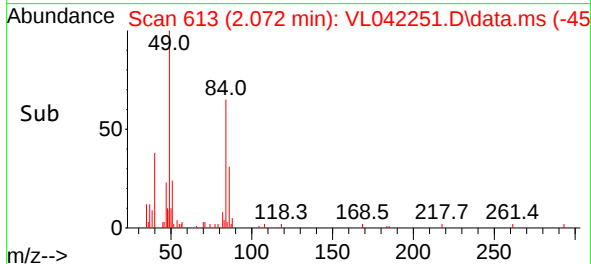
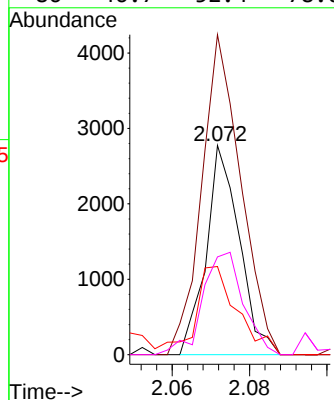
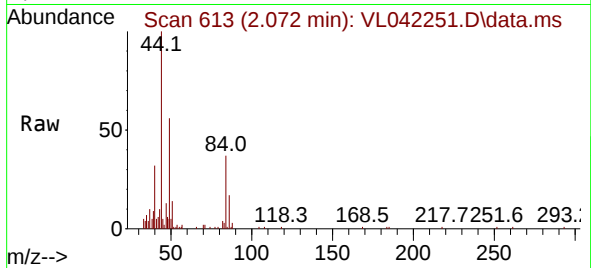




#20
Methylene Chloride
Concen: 0.163 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

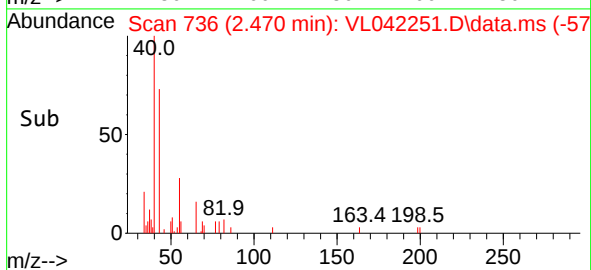
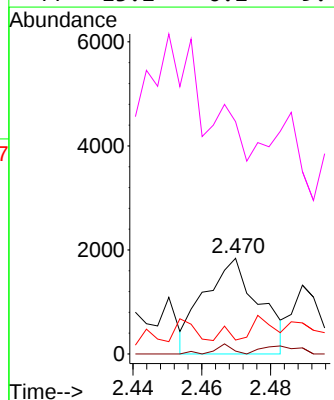
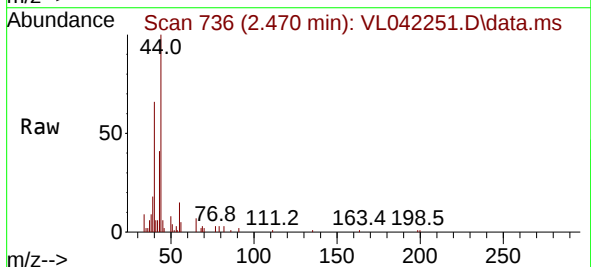
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

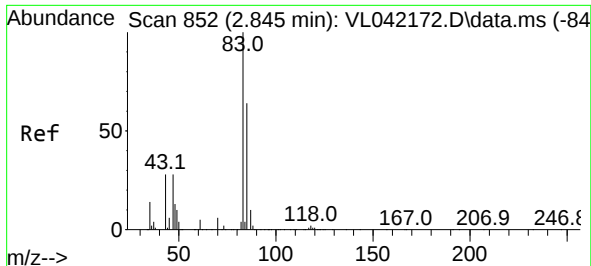
Tgt Ion:	84	Resp:	1654
Ion	Ratio	Lower	Upper
84	100		
49	152.9	120.2	180.4
51	42.1	37.4	56.0
86	46.7	52.4	78.6#



#23
Vinyl Acetate
Concen: 0.172 ppbv
RT: 2.470 min Scan# 736
Delta R.T. 0.010 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion:	43	Resp:	2030
Ion	Ratio	Lower	Upper
43	100		
86	4.0	5.5	8.3#
42	0.0	8.6	13.0#
44	13.2	6.2	9.4#

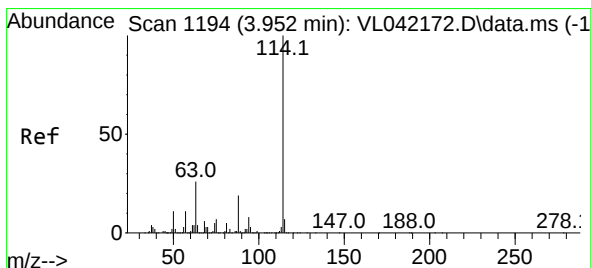
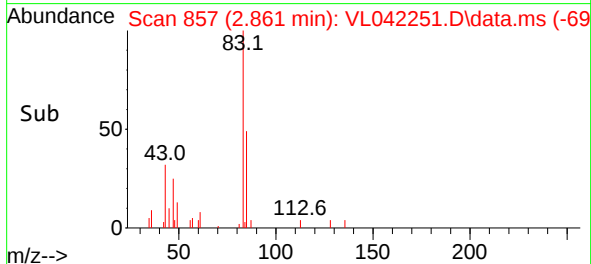
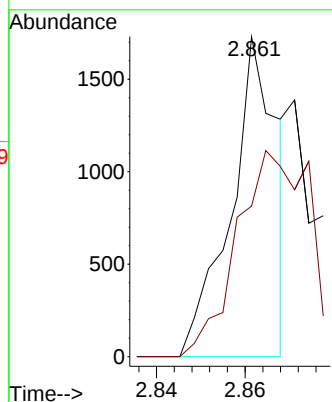
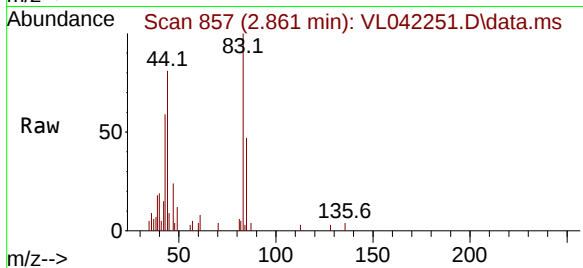




#29
Chloroform
Concen: 0.031 ppbv
RT: 2.861 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

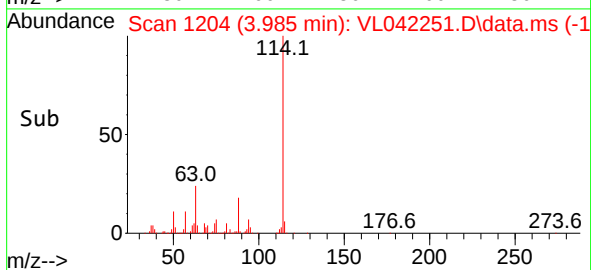
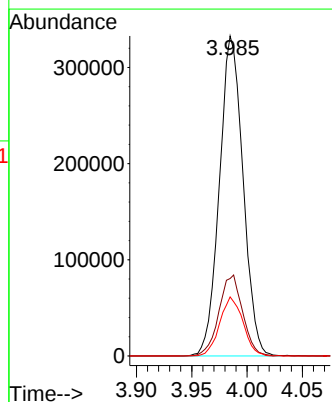
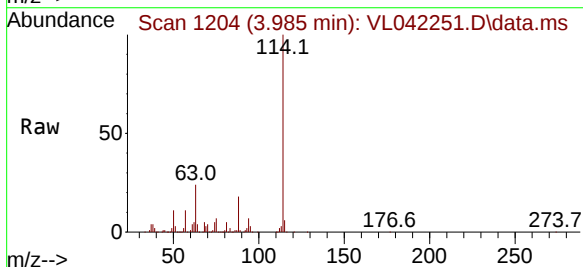
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

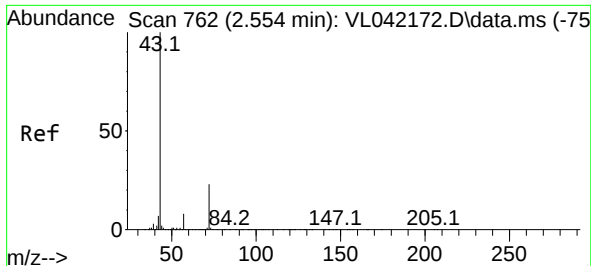
Tgt Ion: 83 Resp: 1252
Ion Ratio Lower Upper
83 100
85 47.1 51.4 77.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. 0.032 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 114 Resp: 494678
Ion Ratio Lower Upper
114 100
63 25.5 20.7 31.1
88 18.1 15.0 22.4

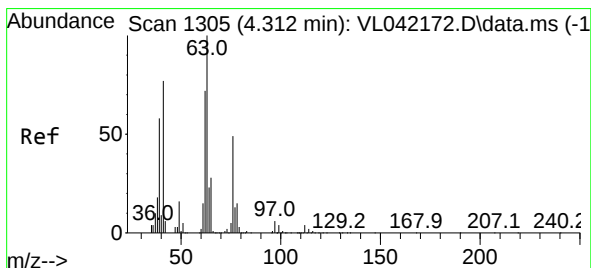
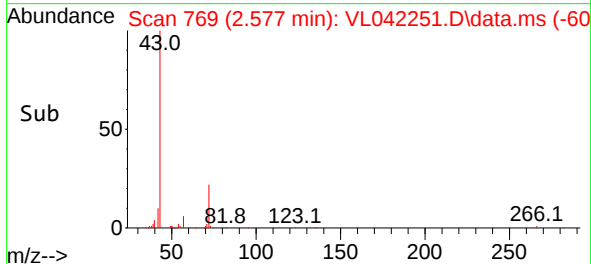
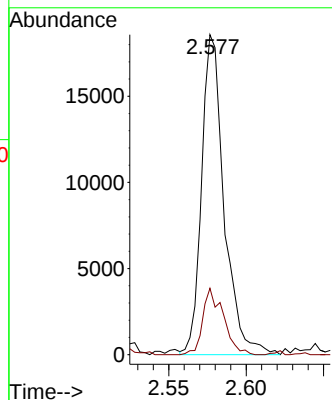
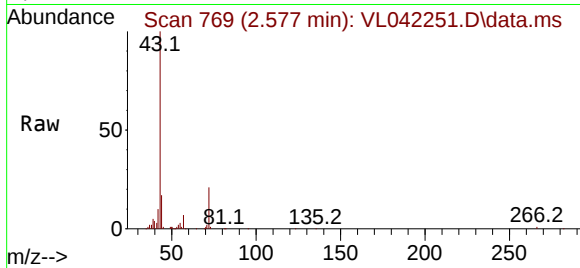




#34
2-Butanone
Concen: 0.524 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.022 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

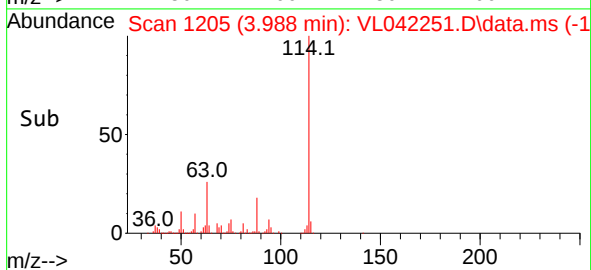
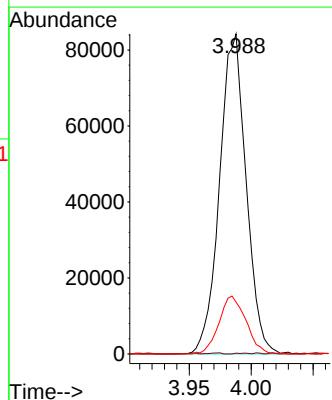
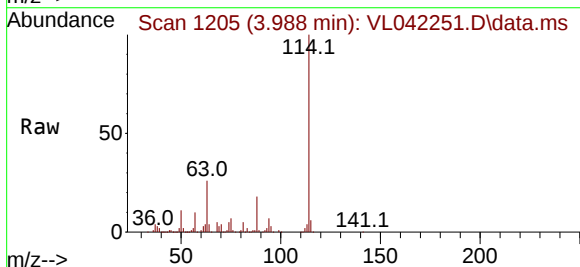
Instrument :
MSVOA_1
ClientSampleId :
SSSG-B10-2-03312025DL

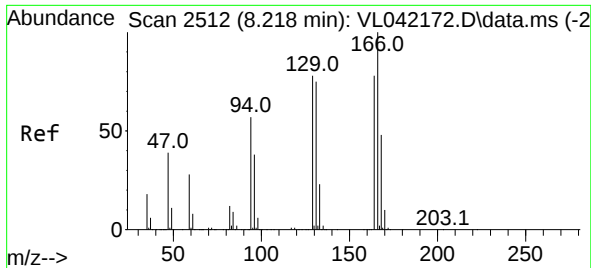
Tgt Ion: 43 Resp: 18789
Ion Ratio Lower Upper
43 100
72 19.6 18.2 27.2



#39
1,2-Dichloropropane
Concen: 7.032 ppbv
RT: 3.988 min Scan# 1205
Delta R.T. -0.324 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 63 Resp: 125598
Ion Ratio Lower Upper
63 100
41 0.2 61.7 92.5#
62 16.2 57.6 86.4#



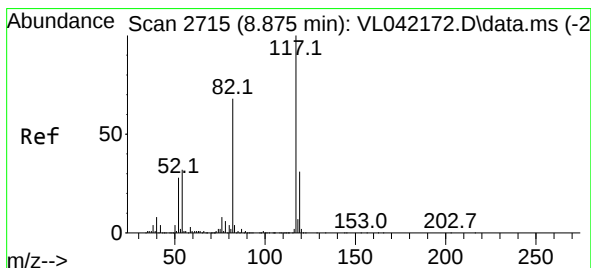
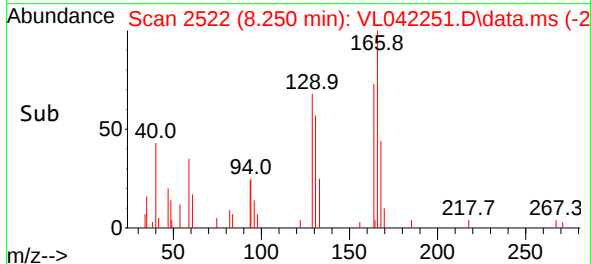
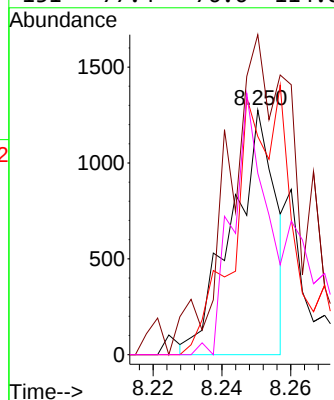
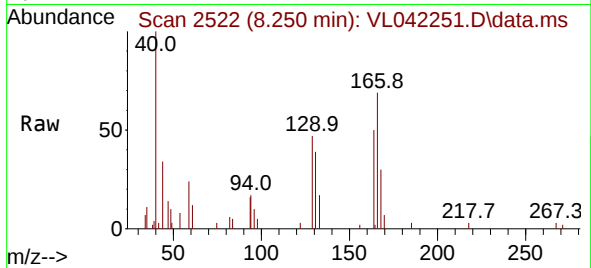


#52
Tetrachloroethene
Concen: 0.058 ppbv
RT: 8.250 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Tgt Ion:164 Resp: 1122

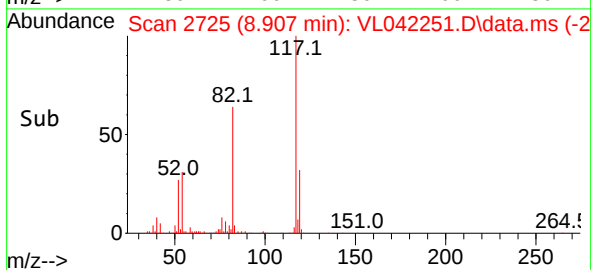
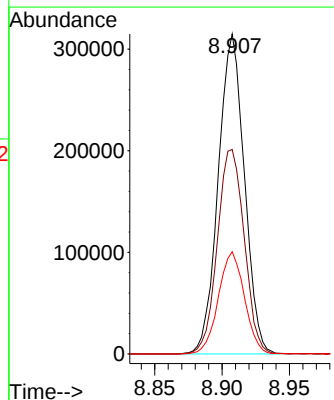
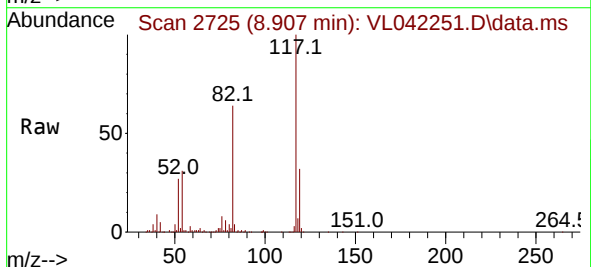
Ion	Ratio	Lower	Upper
164	100		
166	120.3	102.5	153.7
129	93.0	79.8	119.8
131	77.4	76.6	114.8

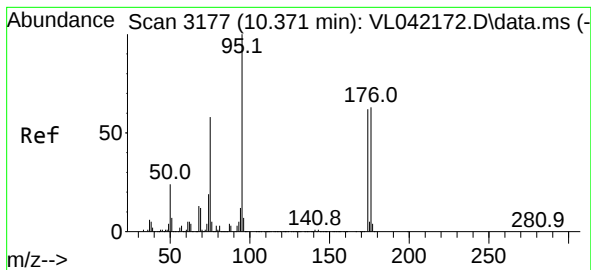


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.907 min Scan# 2725
Delta R.T. 0.032 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion:117 Resp: 424907

Ion	Ratio	Lower	Upper
117	100		
82	65.9	55.8	83.6
119	32.0	25.5	38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.310 ppbv
 RT: 10.396 min Scan# 31
 Delta R.T. 0.026 min
 Lab File: VL042251.D
 Acq: 08 Apr 2025 01:48

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-2-03312025DL

Tgt Ion: 95 Resp: 324876
 Ion Ratio Lower Upper
 95 100
 174 60.1 50.6 76.0
 175 4.5 3.8 5.6

