

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042237.D
 Acq On : 07 Apr 2025 18:15
 Operator : SY/MD
 Sample : Q1725-02DL2 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-4-04012025DL2

Quant Time: Apr 08 01:33:41 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

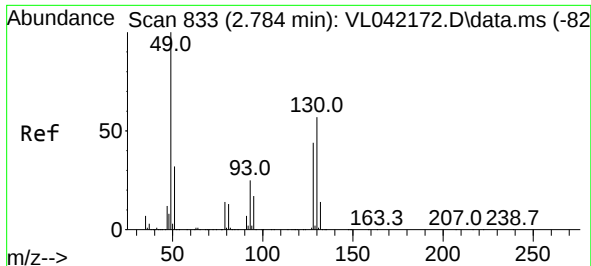
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.806	49	200617	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.988	114	522646	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.908	117	451439	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.400	95	350496	9.454	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.509	85	955	0.032	ppbv #	69
4) Chloromethane	1.544	50	366	0.030	ppbv #	84
9) Propene	1.496	41	2178	0.157	ppbv	97
13) Ethanol	1.732	45	8680	6.620	ppbv #	27
15) Acetone	1.848	43	50890	1.814	ppbv	94
16) 1,3-Butadiene	1.632	39	1083	0.079	ppbv #	44
17) tert-Butyl alcohol	2.056	59	1437	0.041	ppbv #	87
18) 1,1-Dichloroethene	2.049	96	918	0.083	ppbv #	92
19) Isopropyl Alcohol	1.900	45	22681	1.433	ppbv #	81
20) Methylene Chloride	2.075	84	2093	0.200	ppbv	98
22) trans-1,2-Dichloroethene	2.049	96	918	0.072	ppbv	78
23) Vinyl Acetate	2.486	43	1027	0.085	ppbv #	1
29) Chloroform	2.868	83	915723	22.245	ppbv	99
34) 2-Butanone	2.583	43	2177	0.057	ppbv	91
35) Carbon Tetrachloride	3.794	117	3432	0.084	ppbv	92
38) Trichloroethene	4.583	130	913	0.042	ppbv #	72
39) 1,2-Dichloropropane	3.988	63	136060	7.210	ppbv #	23

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

Quant Time: Apr 08 01:33:41 2025
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QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

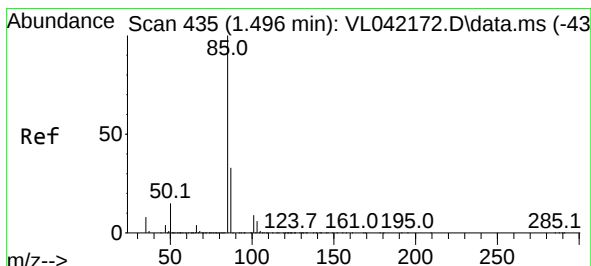
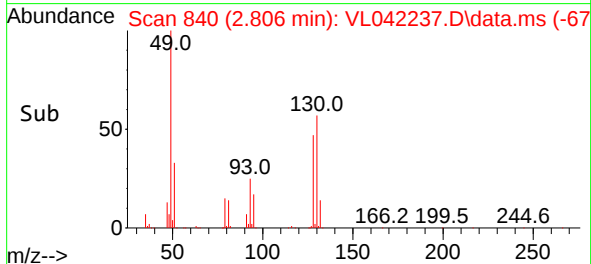
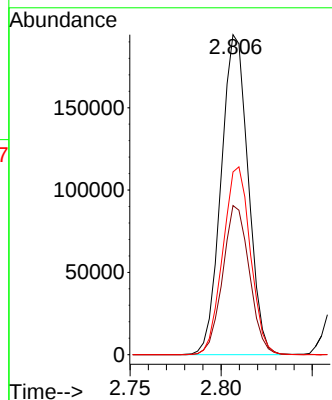
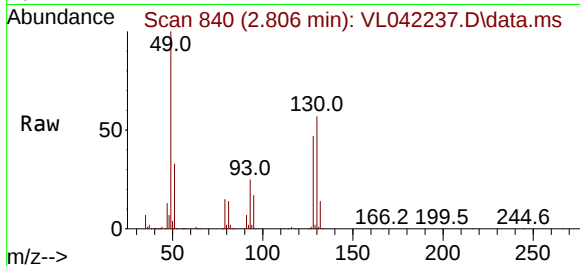




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.806 min Scan# 84
 Delta R.T. 0.022 min
 Lab File: VL042237.D
 Acq: 07 Apr 2025 18:15

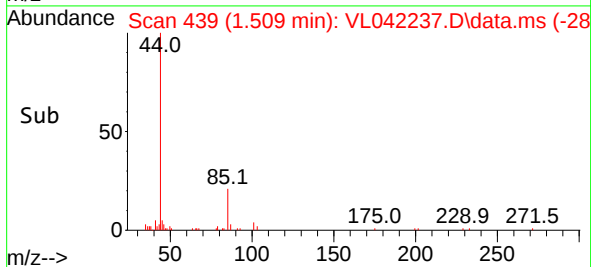
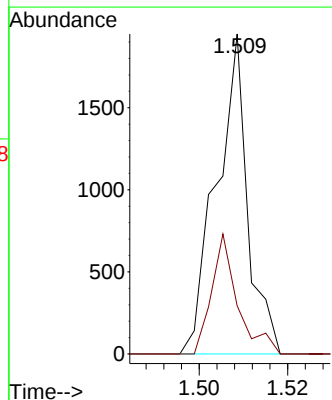
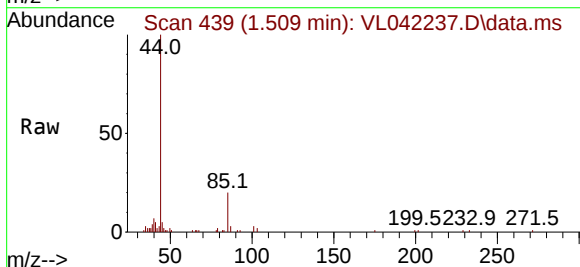
Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-4-04012025DL2

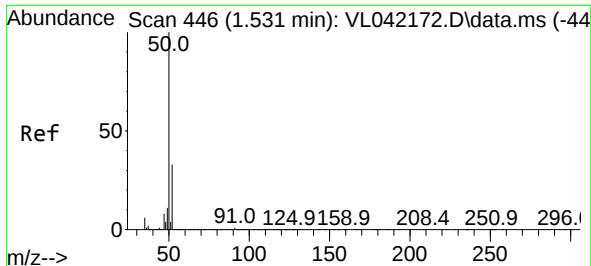
Tgt Ion: 49 Resp: 200617
 Ion Ratio Lower Upper
 49 100
 128 46.1 22.9 68.5
 130 59.7 28.8 86.4



#2
 Dichlorodifluoromethane
 Concen: 0.032 ppbv
 RT: 1.509 min Scan# 439
 Delta R.T. 0.013 min
 Lab File: VL042237.D
 Acq: 07 Apr 2025 18:15

Tgt Ion: 85 Resp: 955
 Ion Ratio Lower Upper
 85 100
 87 15.1 26.1 39.1#

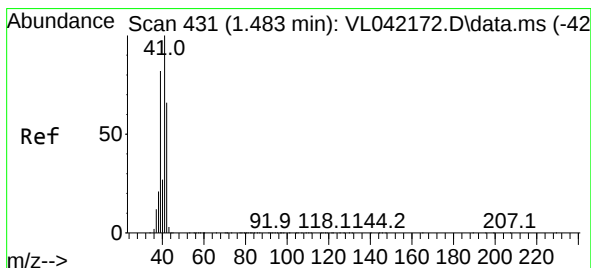
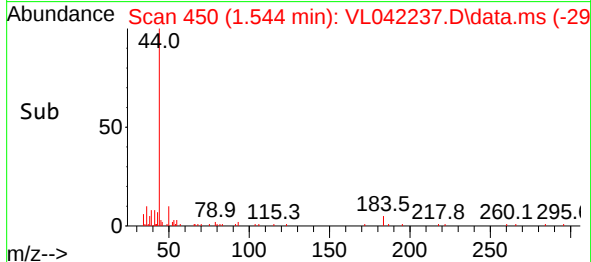
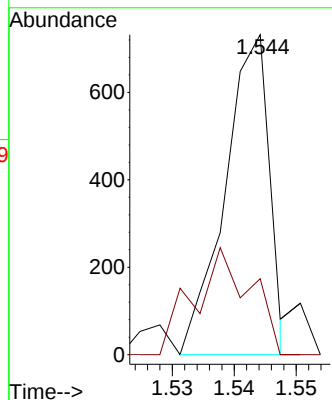
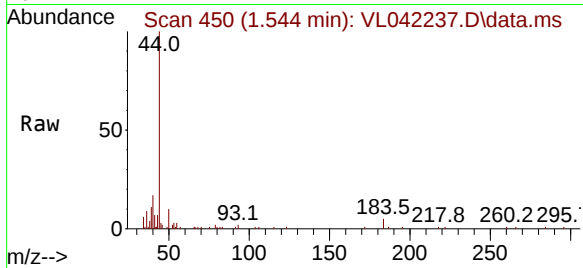




#4
Chloromethane
Concen: 0.030 ppbv
RT: 1.544 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL042237.D
Acq: 07 Apr 2025 18:15

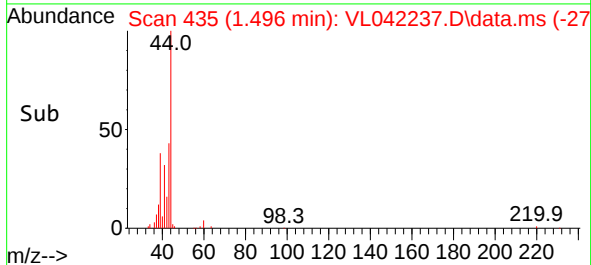
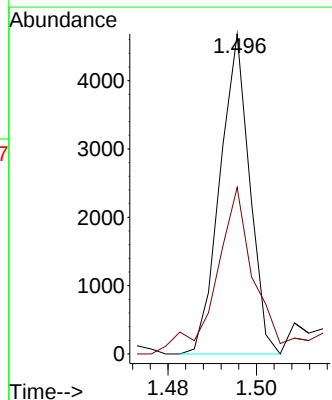
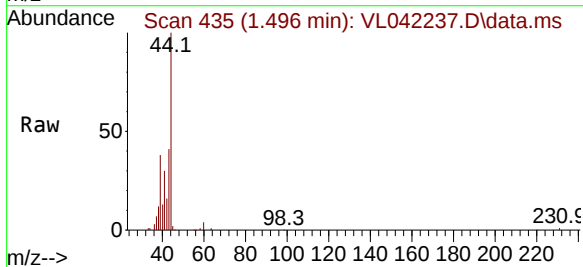
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

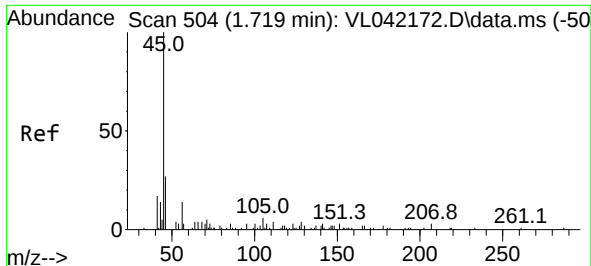
Tgt Ion: 50 Resp: 366
Ion Ratio Lower Upper
50 100
52 23.8 26.1 39.1#



#9
Propene
Concen: 0.157 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.013 min
Lab File: VL042237.D
Acq: 07 Apr 2025 18:15

Tgt Ion: 41 Resp: 2178
Ion Ratio Lower Upper
41 100
42 71.3 55.4 83.2

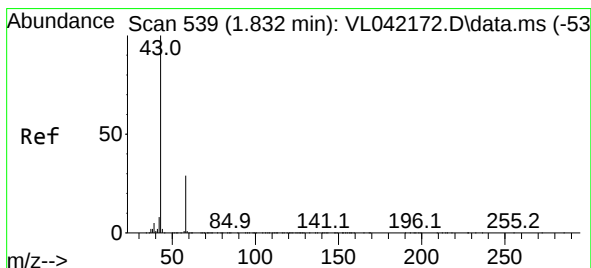
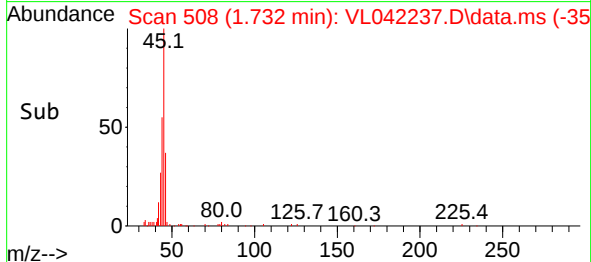
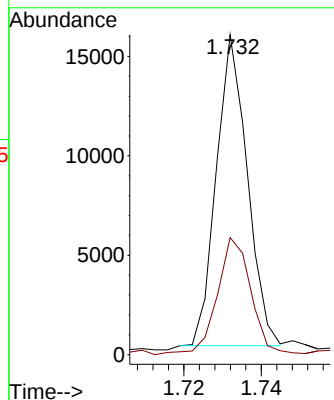
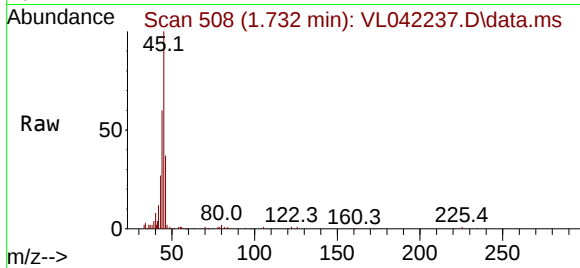




#13
Ethanol
Concen: 6.620 ppbv
RT: 1.732 min Scan# 504
Delta R.T. 0.013 min
Lab File: VL042237.D
Acq: 07 Apr 2025 18:15

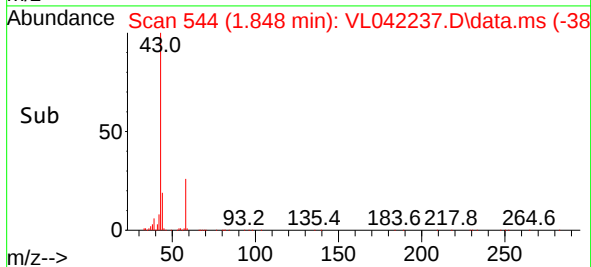
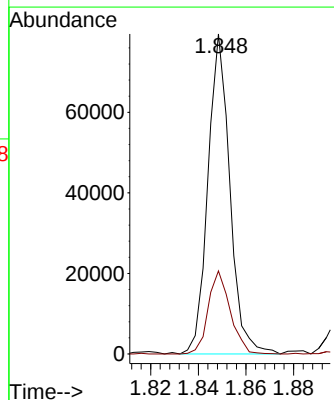
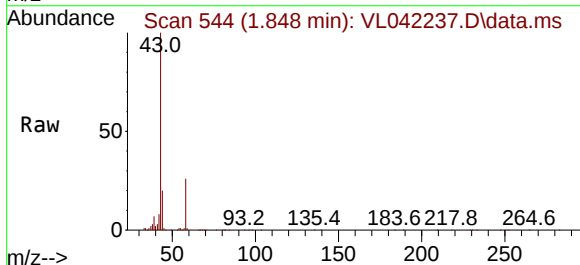
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

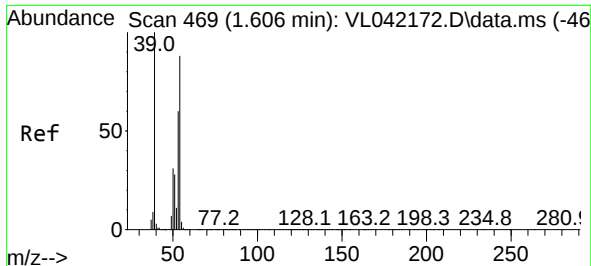
Tgt Ion: 45 Resp: 8680
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#



#15
Acetone
Concen: 1.814 ppbv
RT: 1.848 min Scan# 544
Delta R.T. 0.016 min
Lab File: VL042237.D
Acq: 07 Apr 2025 18:15

Tgt Ion: 43 Resp: 50890
Ion Ratio Lower Upper
43 100
58 25.9 23.2 34.8





#16

1,3-Butadiene

Concen: 0.079 ppbv

RT: 1.632 min Scan# 41

Delta R.T. 0.026 min

Lab File: VL042237.D

Acq: 07 Apr 2025 18:15

Instrument :

MSVOA_L

ClientSampleId :

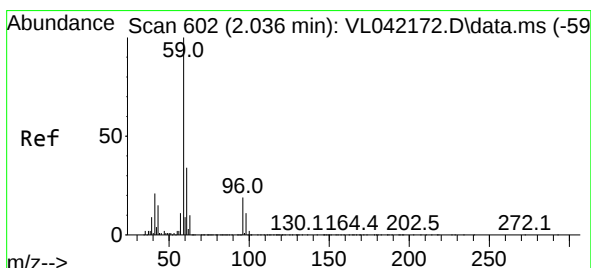
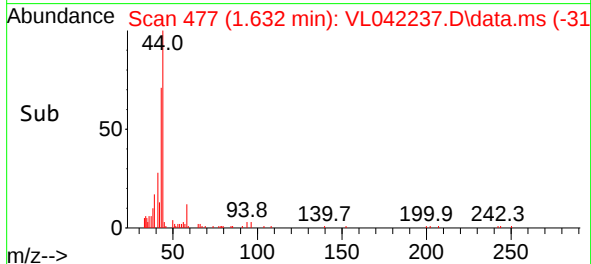
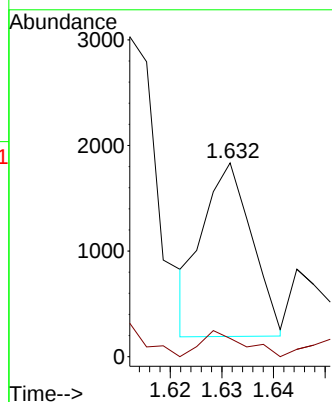
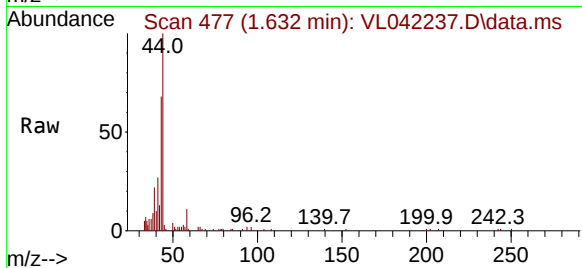
SSSG-B10-4-04012025DL2

Tgt Ion: 39 Resp: 1083

Ion Ratio Lower Upper

39 100

54 28.3 60.7 91.1#



#17

tert-Butyl alcohol

Concen: 0.041 ppbv

RT: 2.056 min Scan# 608

Delta R.T. 0.019 min

Lab File: VL042237.D

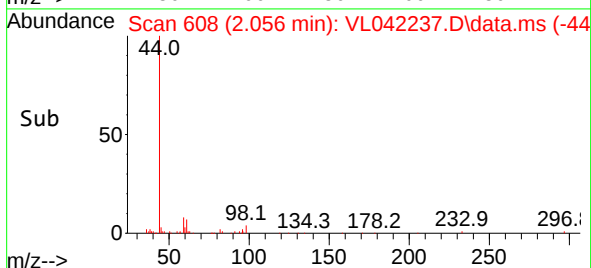
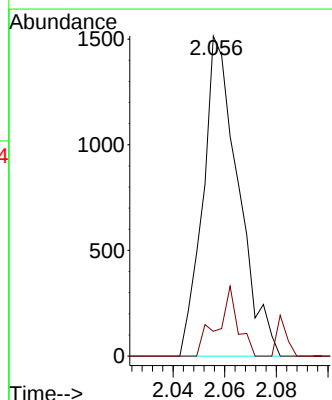
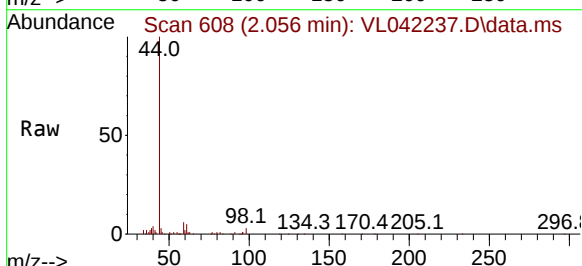
Acq: 07 Apr 2025 18:15

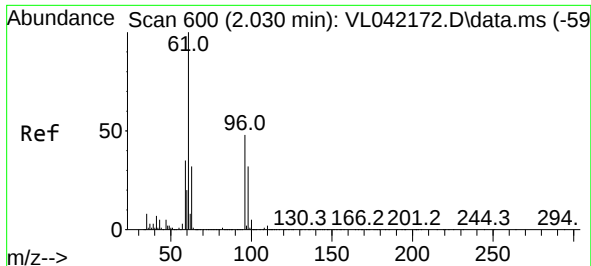
Tgt Ion: 59 Resp: 1437

Ion Ratio Lower Upper

59 100

57 16.2 8.9 13.3#

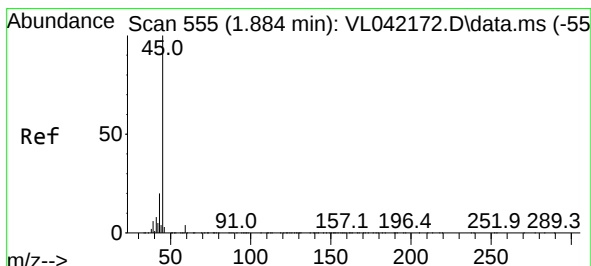
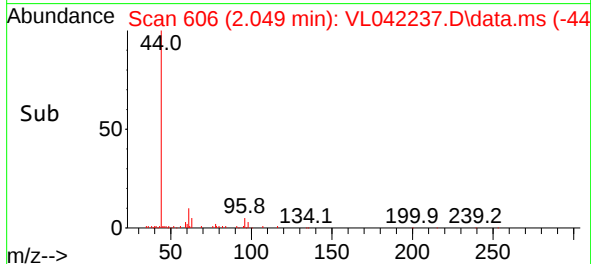
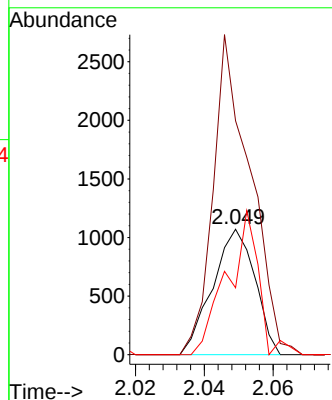
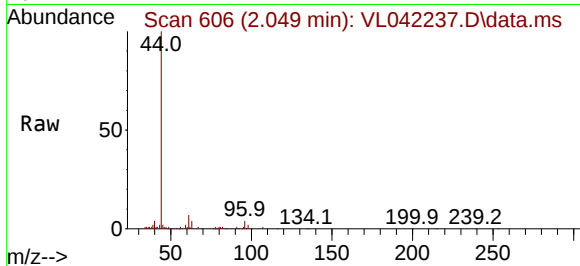




#18
1,1-Dichloroethene
Concen: 0.083 ppbv
RT: 2.049 min Scan# 600
Delta R.T. 0.019 min
Lab File: VL042237.D
Acq: 07 Apr 2025 18:15

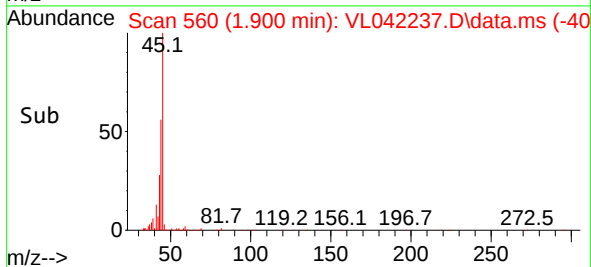
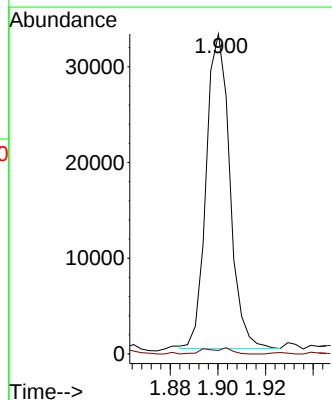
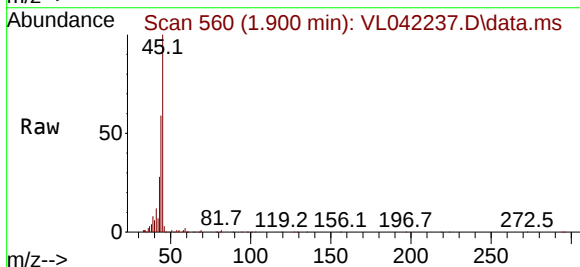
Instrument :
MSVOA_L
ClientSampleId :
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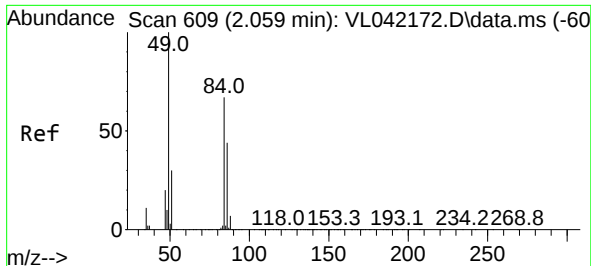
Tgt Ion: 96 Resp: 918
Ion Ratio Lower Upper
96 100
61 203.8 167.6 251.4
98 50.8 53.5 80.3#



#19
Isopropyl Alcohol
Concen: 1.433 ppbv
RT: 1.900 min Scan# 560
Delta R.T. 0.016 min
Lab File: VL042237.D
Acq: 07 Apr 2025 18:15

Tgt Ion: 45 Resp: 22681
Ion Ratio Lower Upper
45 100
58 58.5 36.9 55.3#

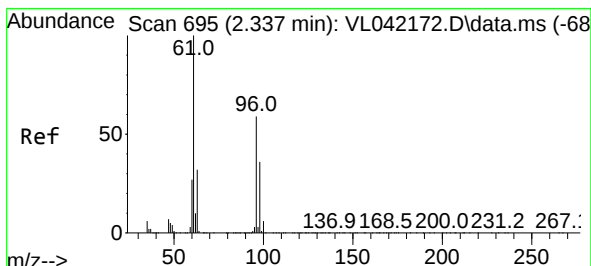
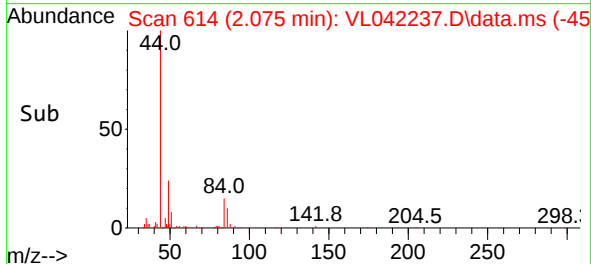
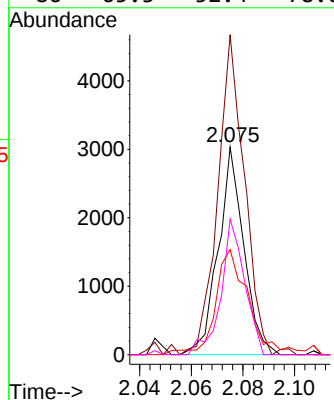
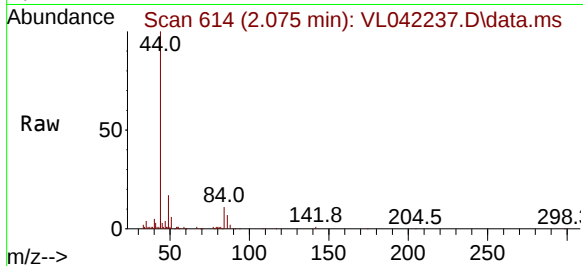




#20
Methylene Chloride
Concen: 0.200 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.016 min
Lab File: VL042237.D
Acq: 07 Apr 2025 18:15

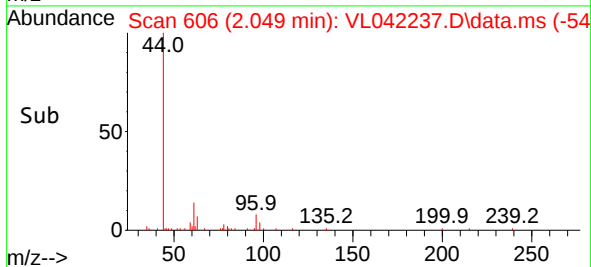
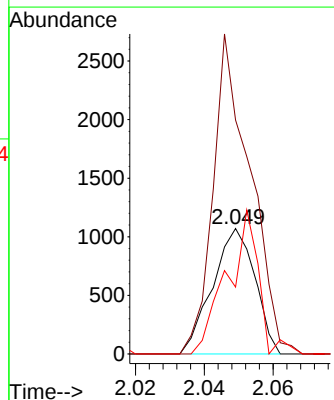
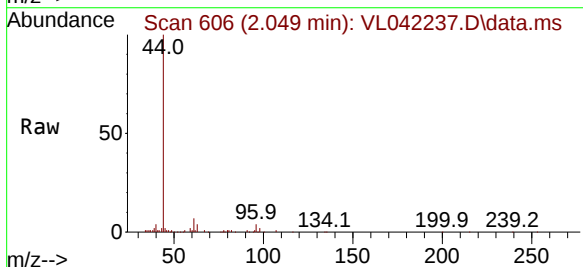
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SSSG-B10-4-04012025DL2

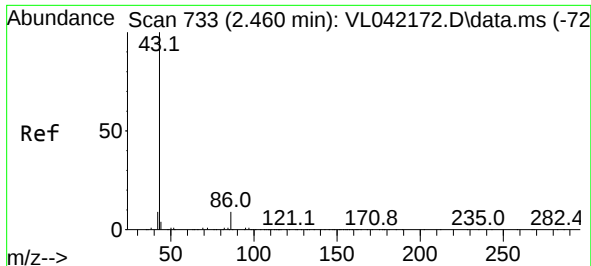
Tgt Ion:	84	Resp:	2093
Ion	Ratio	Lower	Upper
84	100		
49	154.2	120.2	180.4
51	48.4	37.4	56.0
86	65.3	52.4	78.6



#22
trans-1,2-Dichloroethene
Concen: 0.072 ppbv
RT: 2.049 min Scan# 606
Delta R.T. -0.288 min
Lab File: VL042237.D
Acq: 07 Apr 2025 18:15

Tgt Ion:	96	Resp:	918
Ion	Ratio	Lower	Upper
96	100		
61	203.8	136.6	204.8
98	50.8	49.4	74.2

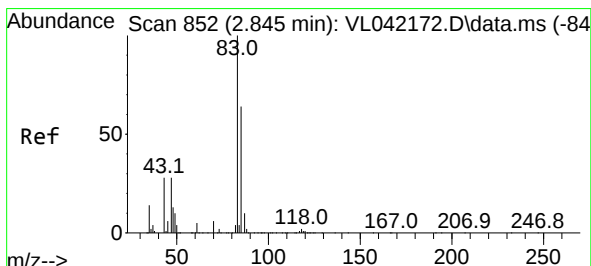
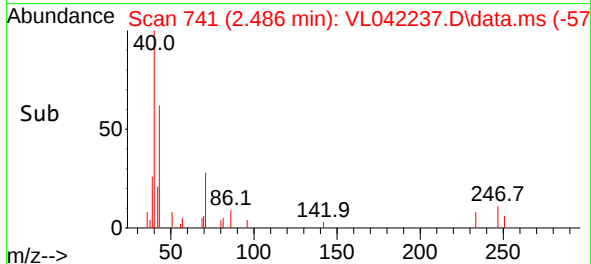
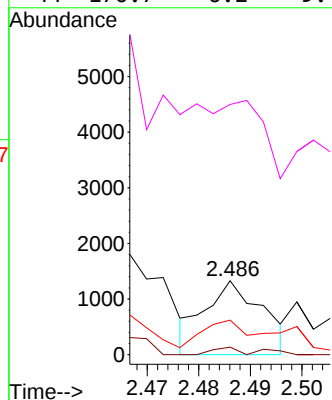
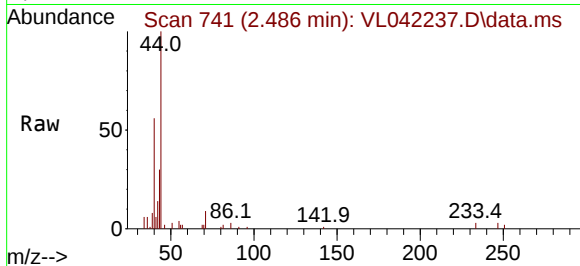




#23
 Vinyl Acetate
 Concen: 0.085 ppbv
 RT: 2.486 min Scan# 741
 Delta R.T. 0.026 min
 Lab File: VL042237.D
 Acq: 07 Apr 2025 18:15

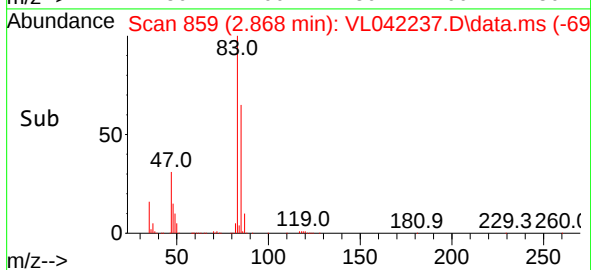
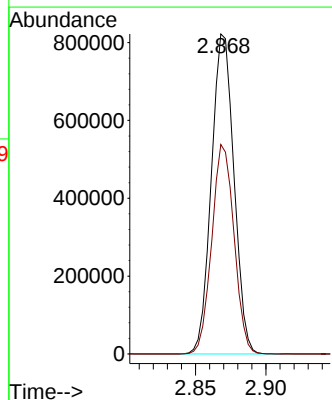
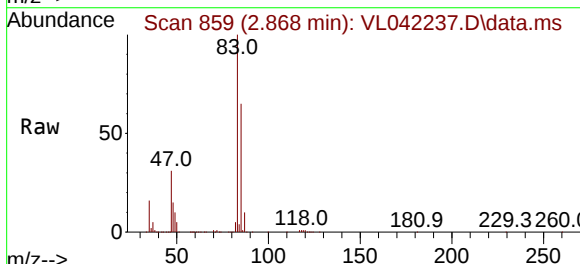
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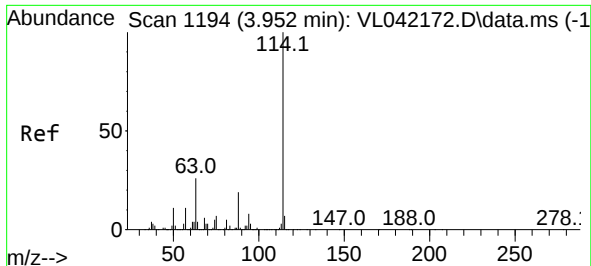
Tgt Ion: 43	Resp: 1027
Ion Ratio	Lower Upper
43 100	
86 17.3	5.5 8.3#
42 63.0	8.6 13.0#
44 170.7	6.2 9.4#



#29
 Chloroform
 Concen: 22.245 ppbv
 RT: 2.868 min Scan# 859
 Delta R.T. 0.023 min
 Lab File: VL042237.D
 Acq: 07 Apr 2025 18:15

Tgt Ion: 83	Resp: 915723
Ion Ratio	Lower Upper
83 100	
85 65.4	51.4 77.2

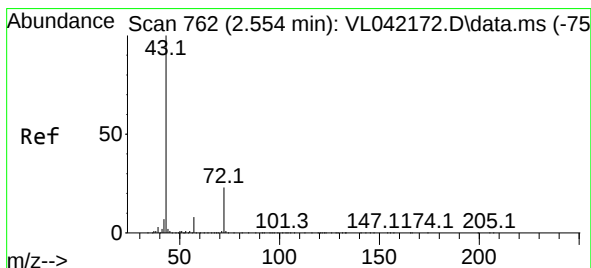
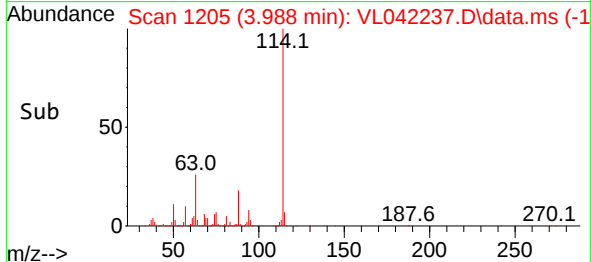
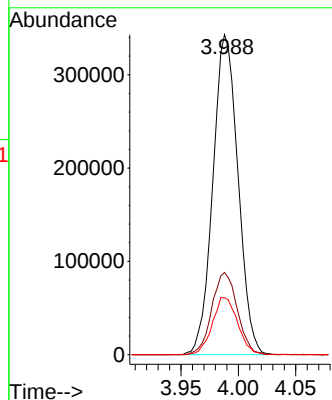
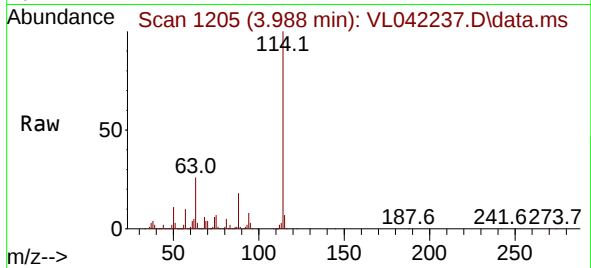




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.988 min Scan# 1194
 Delta R.T. 0.035 min
 Lab File: VL042237.D
 Acq: 07 Apr 2025 18:15

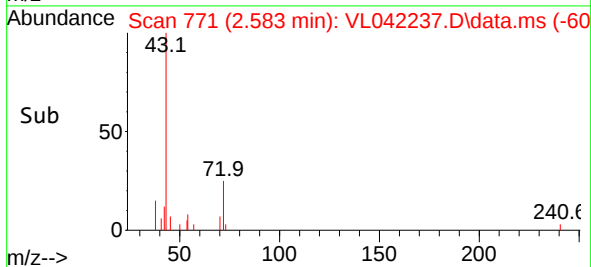
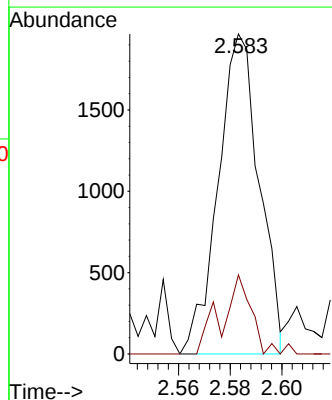
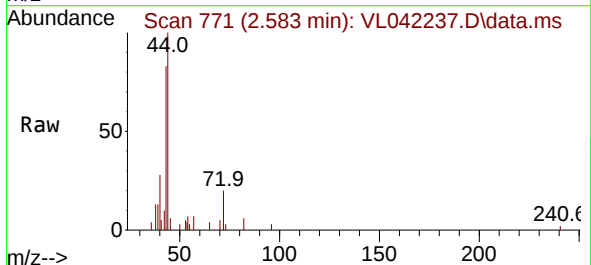
Instrument :
 MSVOA_1
 ClientSampleId :
 SSSG-B10-4-04012025DL2

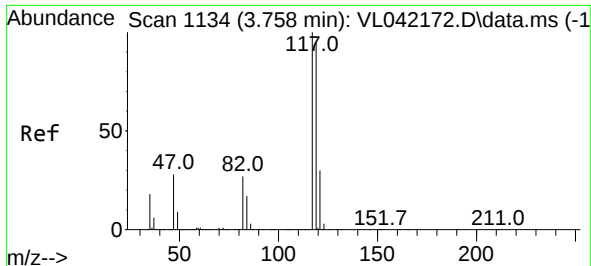
Tgt Ion:114 Resp: 522646
 Ion Ratio Lower Upper
 114 100
 63 26.1 20.7 31.1
 88 18.0 15.0 22.4



#34
 2-Butanone
 Concen: 0.057 ppbv
 RT: 2.583 min Scan# 771
 Delta R.T. 0.029 min
 Lab File: VL042237.D
 Acq: 07 Apr 2025 18:15

Tgt Ion: 43 Resp: 2177
 Ion Ratio Lower Upper
 43 100
 72 18.3 18.2 27.2

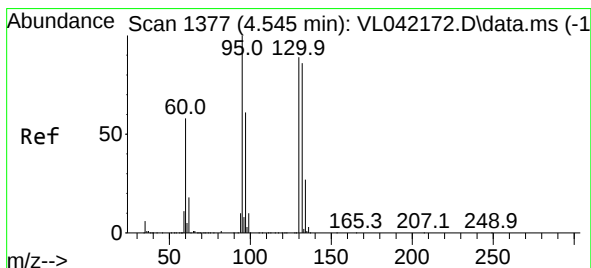
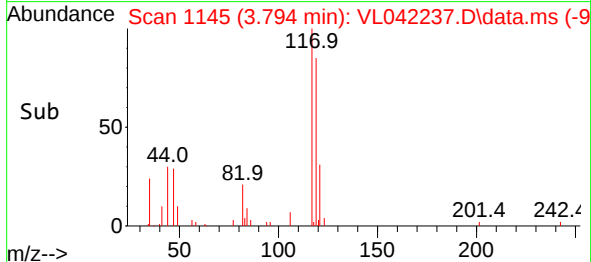
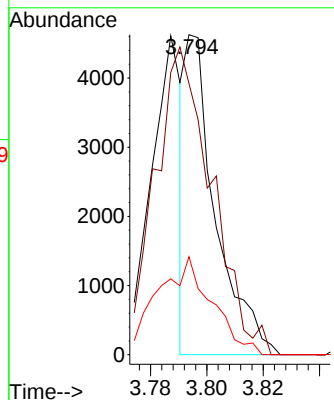
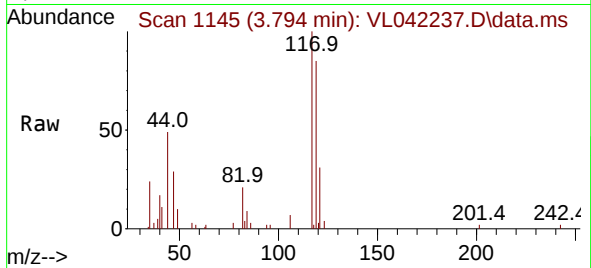




#35
Carbon Tetrachloride
Concen: 0.084 ppbv
RT: 3.794 min Scan# 1134
Delta R.T. 0.035 min
Lab File: VL042237.D
Acq: 07 Apr 2025 18:15

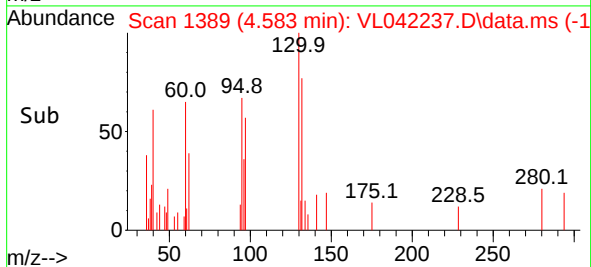
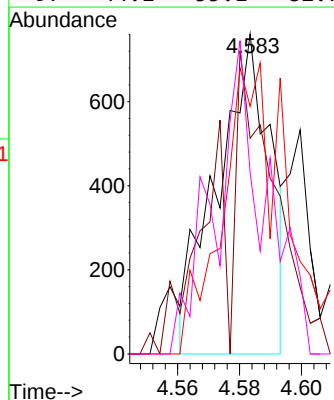
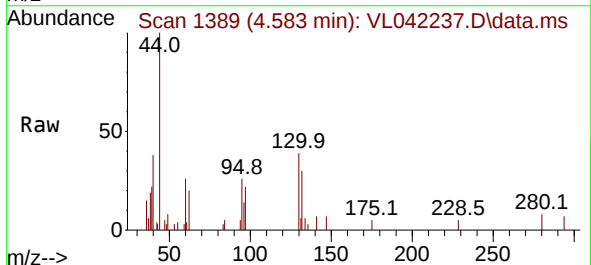
Instrument :
MSVOA_1
ClientSampleId :
SSSG-B10-4-04012025DL2

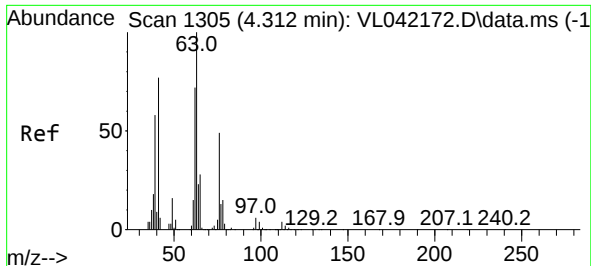
Tgt Ion:117 Resp: 3432
Ion Ratio Lower Upper
117 100
119 84.7 76.2 114.2
121 30.6 24.2 36.4



#38
Trichloroethene
Concen: 0.042 ppbv
RT: 4.583 min Scan# 1389
Delta R.T. 0.039 min
Lab File: VL042237.D
Acq: 07 Apr 2025 18:15

Tgt Ion:130 Resp: 913
Ion Ratio Lower Upper
130 100
95 64.4 89.8 134.8#
132 90.9 77.4 116.2
97 44.1 55.1 82.7#





#39

1,2-Dichloropropane

Concen: 7.210 ppbv

RT: 3.988 min Scan# 11

Delta R.T. -0.324 min

Lab File: VL042237.D

Acq: 07 Apr 2025 18:15

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B10-4-04012025DL2

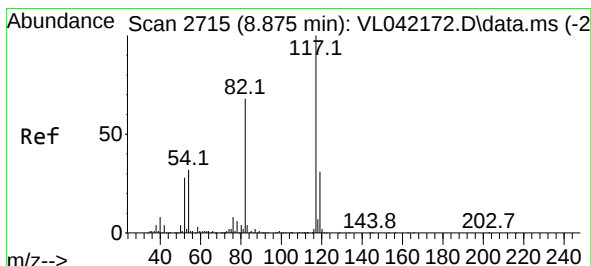
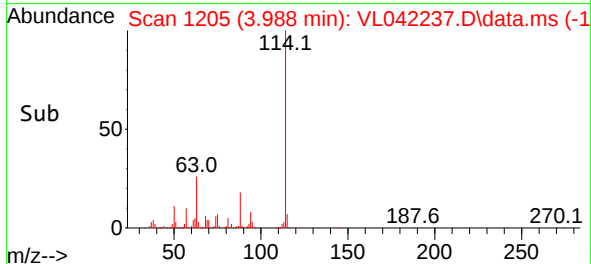
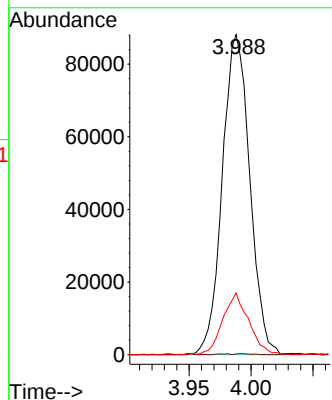
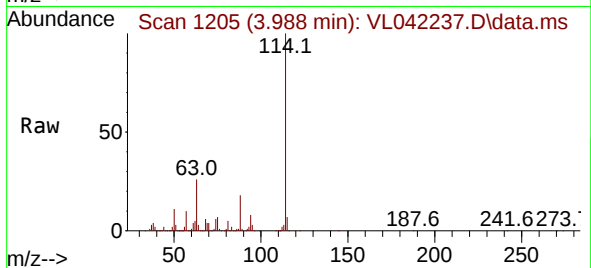
Tgt Ion: 63 Resp: 136060

Ion Ratio Lower Upper

63 100

41 0.2 61.7 92.5#

62 19.1 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.908 min Scan# 2725

Delta R.T. 0.032 min

Lab File: VL042237.D

Acq: 07 Apr 2025 18:15

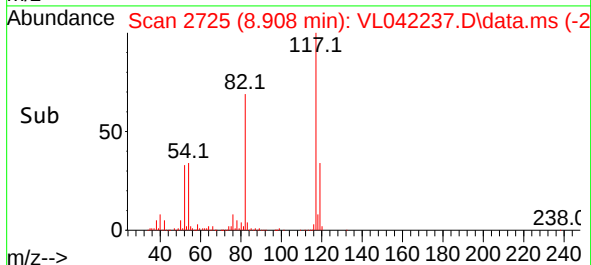
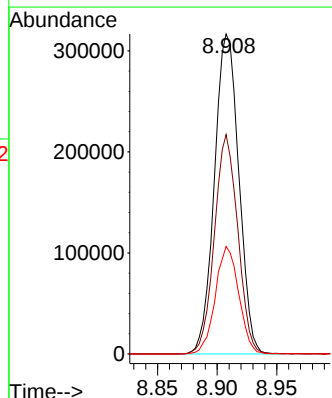
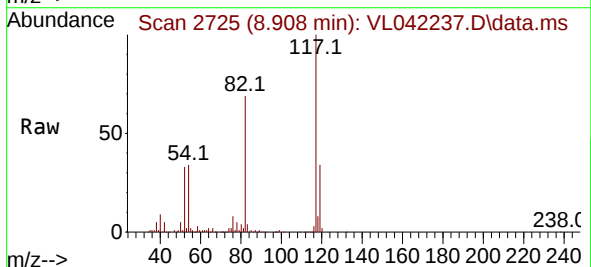
Tgt Ion: 117 Resp: 451439

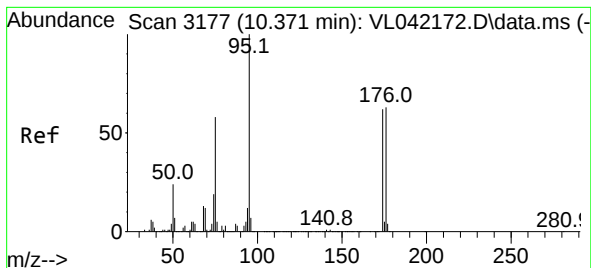
Ion Ratio Lower Upper

117 100

82 65.5 55.8 83.6

119 32.4 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.454 ppbv

RT: 10.400 min Scan# 31

Delta R.T. 0.029 min

Lab File: VL042237.D

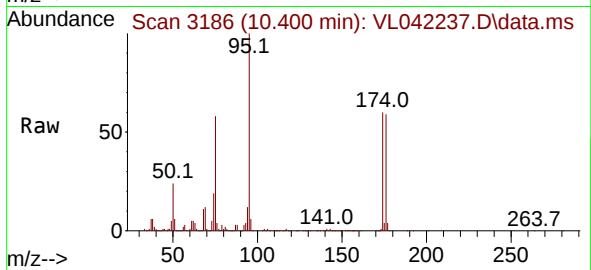
Acq: 07 Apr 2025 18:15

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B10-4-04012025DL2



Tgt Ion: 95 Resp: 350496

Ion Ratio Lower Upper

95 100

174 59.4 50.6 76.0

175 4.4 3.8 5.6

