

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042280.D
 Acq On : 09 Apr 2025 01:18
 Operator : SY/MD
 Sample : Q1728-04DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B2-7-04022025DL

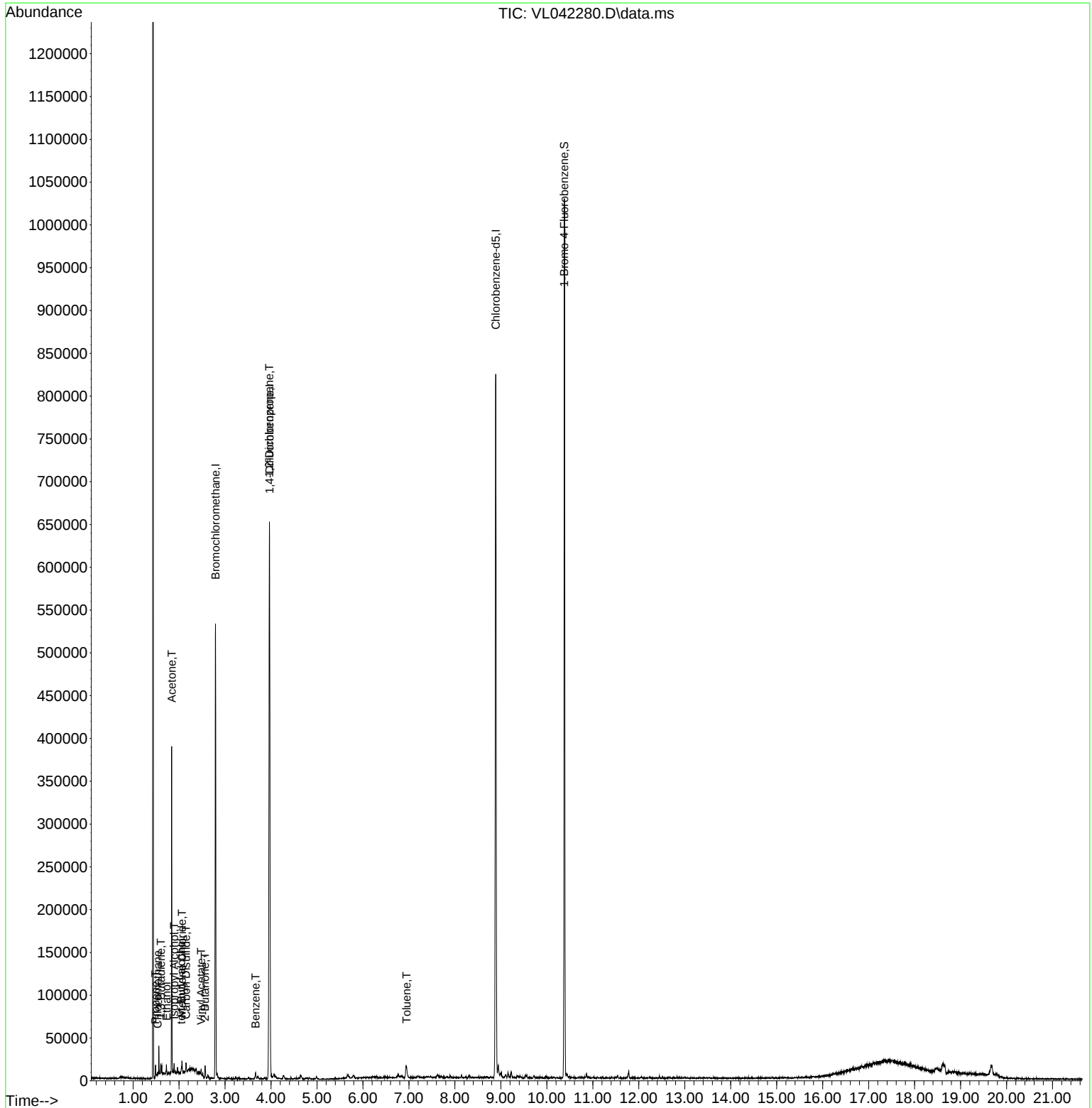
Quant Time: Apr 09 05:21:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

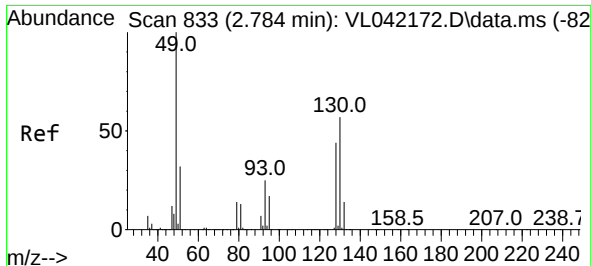
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.794	49	147116	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	371349	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	326259	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	246947	9.217	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.200%
Target Compounds						
					Qvalue	
4) Chloromethane	1.531	50	300	0.034	ppbv	90
9) Propene	1.486	41	1659	0.163	ppbv #	56
13) Ethanol	1.725	45	3767	3.918	ppbv	96
15) Acetone	1.839	43	159209	7.738	ppbv	96
16) 1,3-Butadiene	1.602	39	1532	0.152	ppbv #	25
17) tert-Butyl alcohol	2.049	59	2015	0.079	ppbv #	84
19) Isopropyl Alcohol	1.891	45	4361	0.376	ppbv #	1
20) Methylene Chloride	2.065	84	2085	0.272	ppbv #	81
23) Vinyl Acetate	2.480	43	1804	0.203	ppbv #	73
27) Carbon Disulfide	2.153	76	5281	0.239	ppbv #	1
34) 2-Butanone	2.564	43	9672	0.359	ppbv	99
36) Benzene	3.664	78	3306	0.090	ppbv	97
39) 1,2-Dichloropropane	3.965	63	95985	7.159	ppbv #	24
53) Toluene	6.949	91	3484	0.080	ppbv #	20

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

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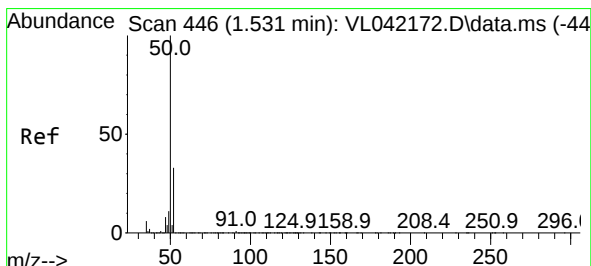
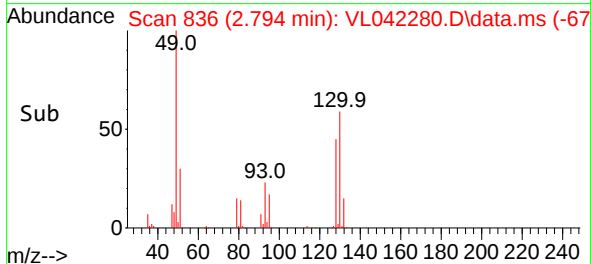
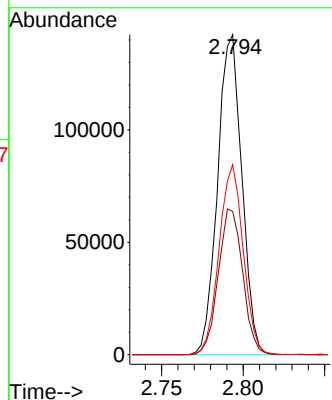
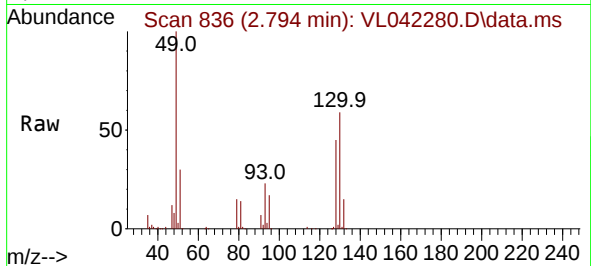




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 833
Delta R.T. 0.010 min
Lab File: VL042280.D
Acq: 09 Apr 2025 01:18

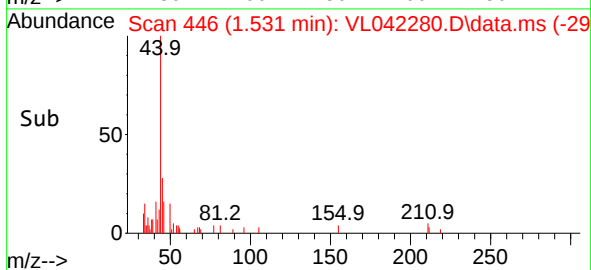
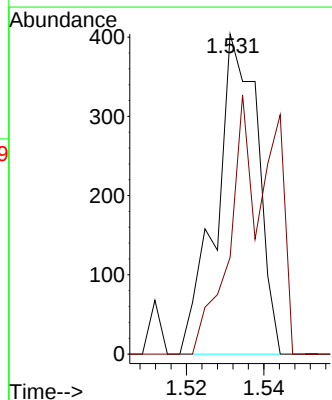
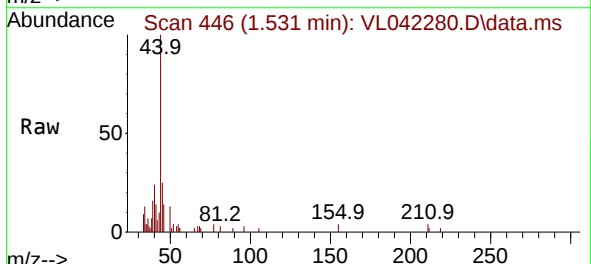
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-7-04022025DL

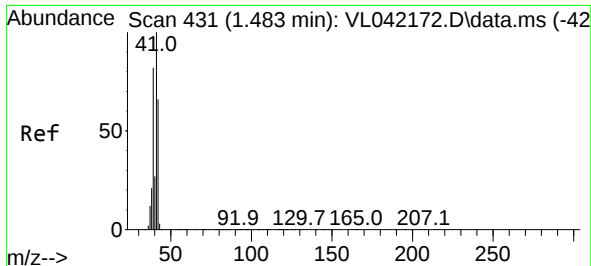
Tgt Ion: 49 Resp: 147116
Ion Ratio Lower Upper
49 100
128 45.8 22.9 68.5
130 59.1 28.8 86.4



#4
Chloromethane
Concen: 0.034 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042280.D
Acq: 09 Apr 2025 01:18

Tgt Ion: 50 Resp: 300
Ion Ratio Lower Upper
50 100
52 26.8 26.1 39.1





#9

Propene

Concen: 0.163 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042280.D

Acq: 09 Apr 2025 01:18

Instrument :

MSVOA_L

ClientSampleId :

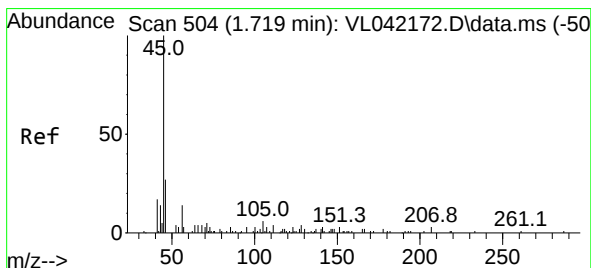
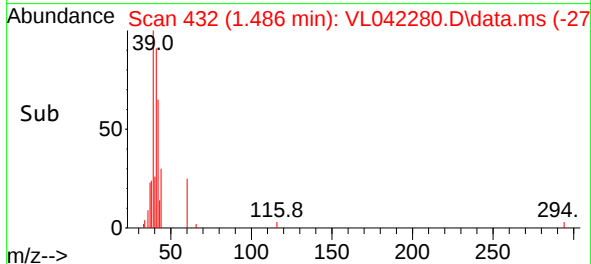
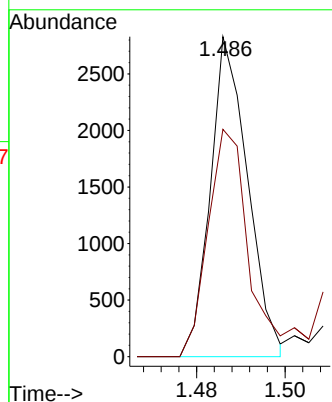
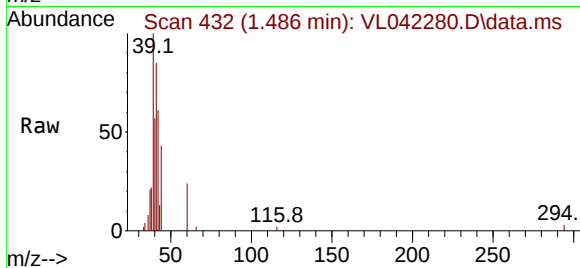
SSSG-B2-7-04022025DL

Tgt Ion: 41 Resp: 1659

Ion Ratio Lower Upper

41 100

42 105.3 55.4 83.2#



#13

Ethanol

Concen: 3.918 ppbv

RT: 1.725 min Scan# 506

Delta R.T. 0.006 min

Lab File: VL042280.D

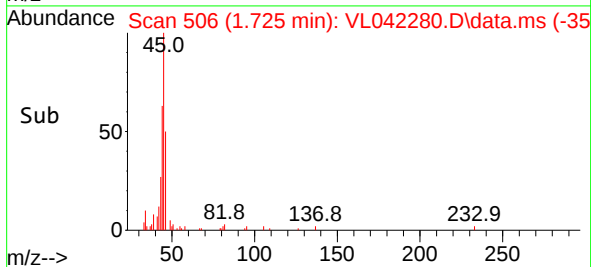
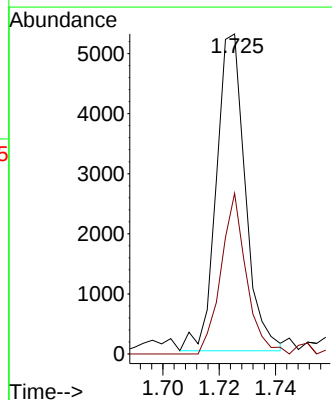
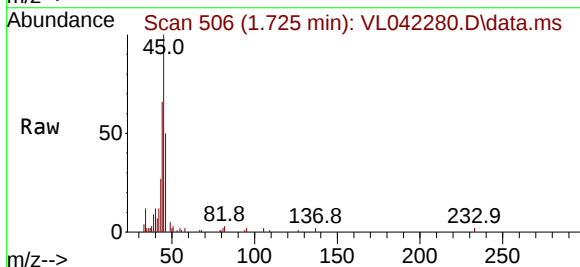
Acq: 09 Apr 2025 01:18

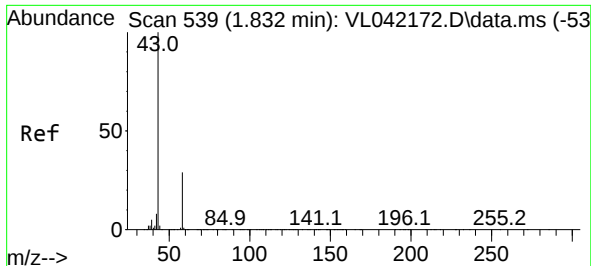
Tgt Ion: 45 Resp: 3767

Ion Ratio Lower Upper

45 100

46 47.5 20.2 80.8





#15

Acetone

Concen: 7.738 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL042280.D

Acq: 09 Apr 2025 01:18

Instrument :

MSVOA_L

ClientSampleId :

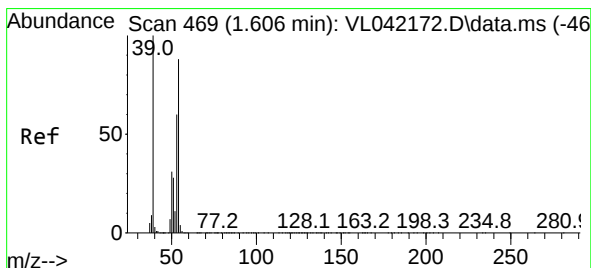
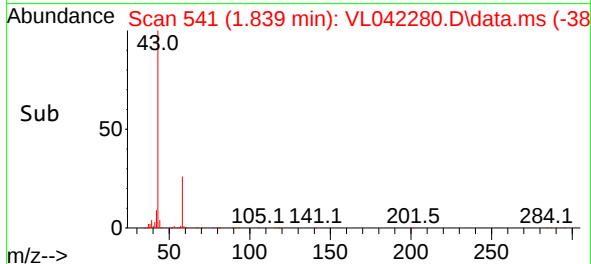
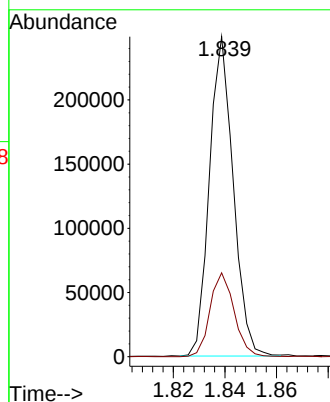
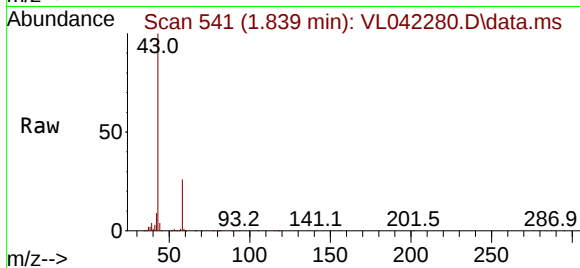
SSSG-B2-7-04022025DL

Tgt Ion: 43 Resp: 159209

Ion Ratio Lower Upper

43 100

58 26.9 23.2 34.8



#16

1,3-Butadiene

Concen: 0.152 ppbv

RT: 1.602 min Scan# 468

Delta R.T. -0.003 min

Lab File: VL042280.D

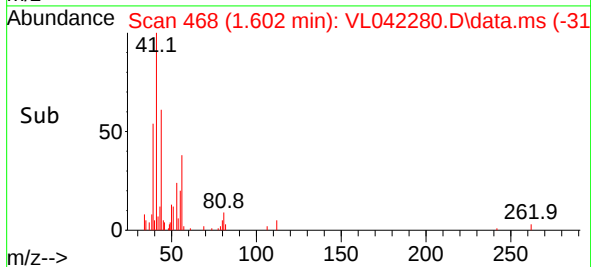
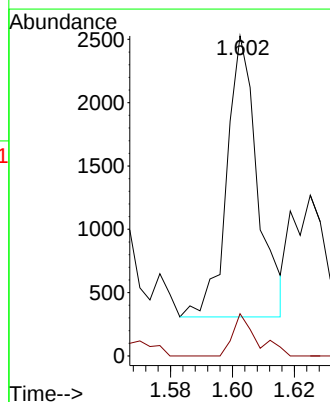
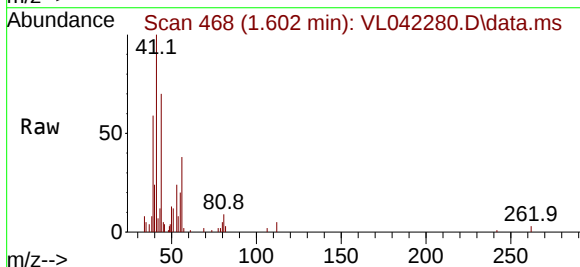
Acq: 09 Apr 2025 01:18

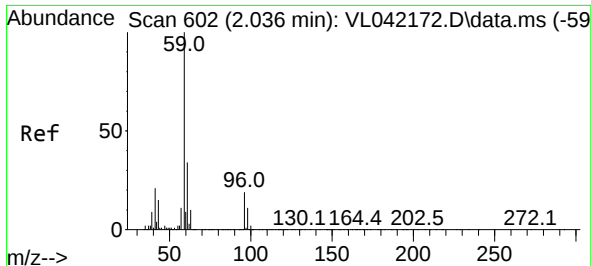
Tgt Ion: 39 Resp: 1532

Ion Ratio Lower Upper

39 100

54 11.6 60.7 91.1#





#17

tert-Butyl alcohol

Concen: 0.079 ppbv

RT: 2.049 min Scan# 602

Delta R.T. 0.013 min

Lab File: VL042280.D

Acq: 09 Apr 2025 01:18

Instrument :

MSVOA_L

ClientSampleId :

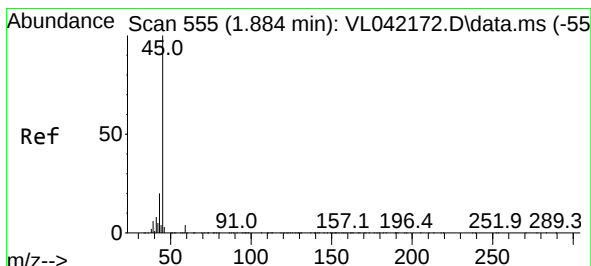
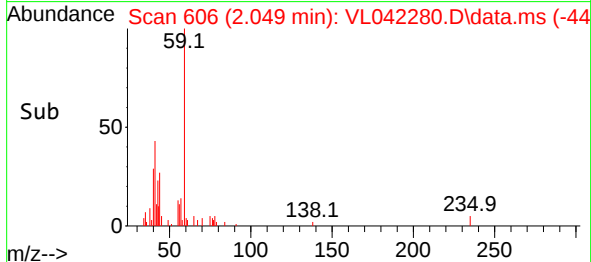
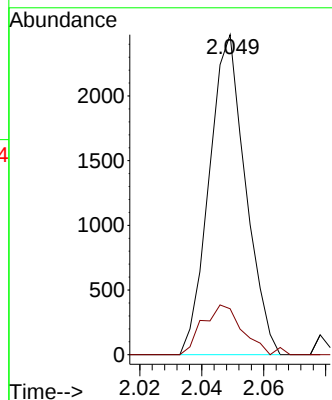
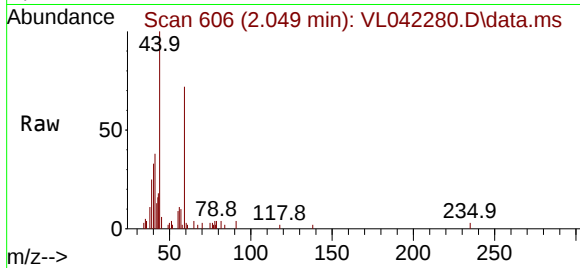
SSSG-B2-7-04022025DL

Tgt Ion: 59 Resp: 2015

Ion Ratio Lower Upper

59 100

57 17.3 8.9 13.3#



#19

Isopropyl Alcohol

Concen: 0.376 ppbv

RT: 1.891 min Scan# 557

Delta R.T. 0.006 min

Lab File: VL042280.D

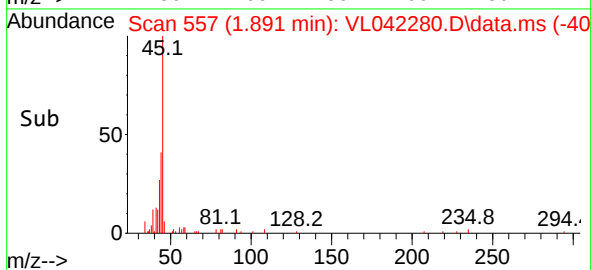
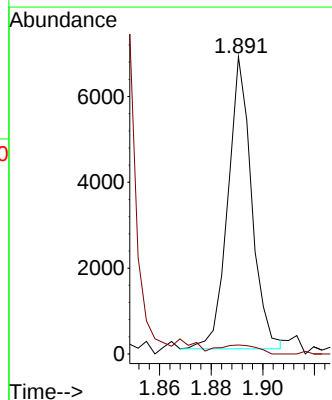
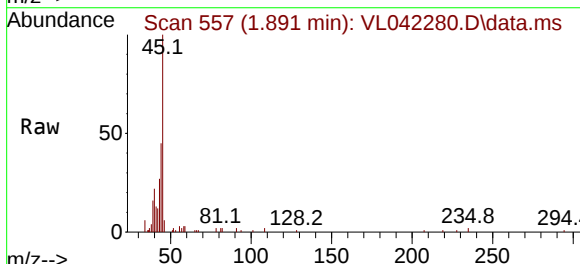
Acq: 09 Apr 2025 01:18

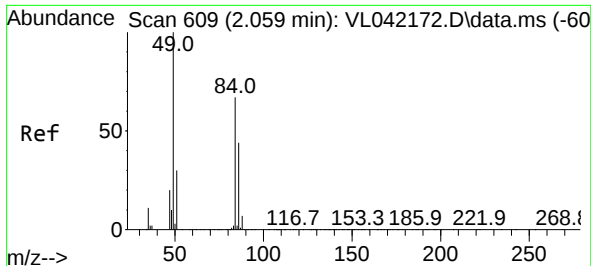
Tgt Ion: 45 Resp: 4361

Ion Ratio Lower Upper

45 100

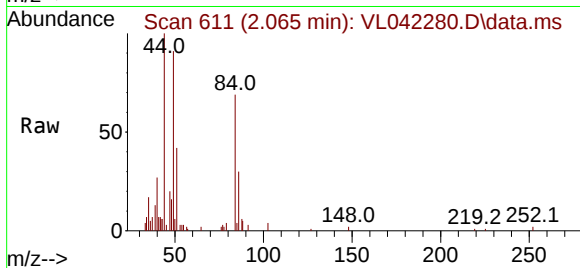
58 984.2 36.9 55.3#



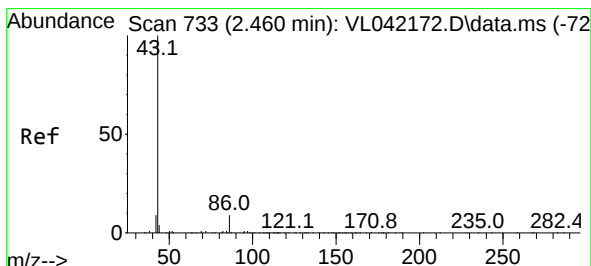
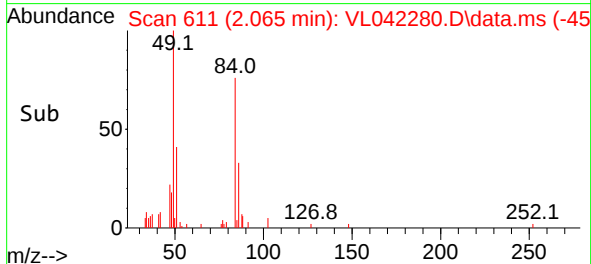
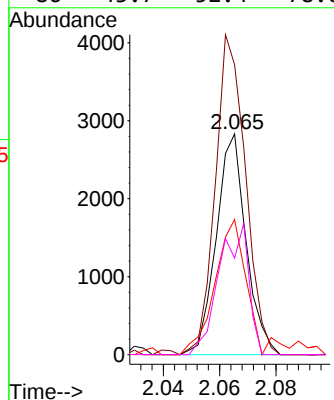


#20
Methylene Chloride
Concen: 0.272 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042280.D
Acq: 09 Apr 2025 01:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-7-04022025DL

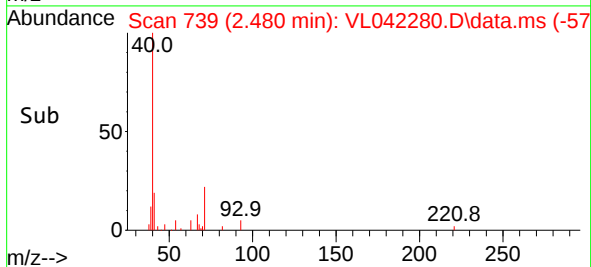
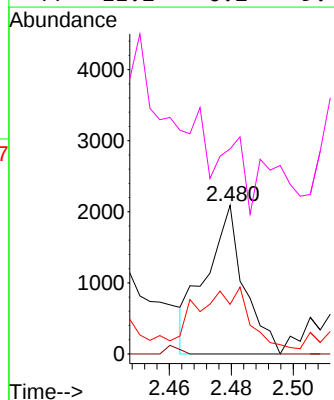
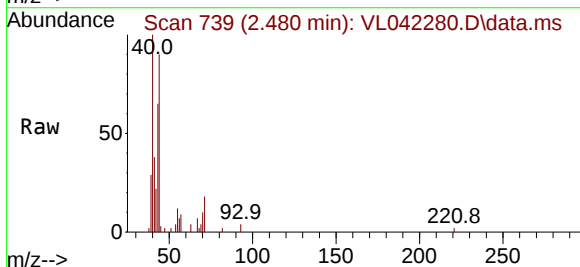


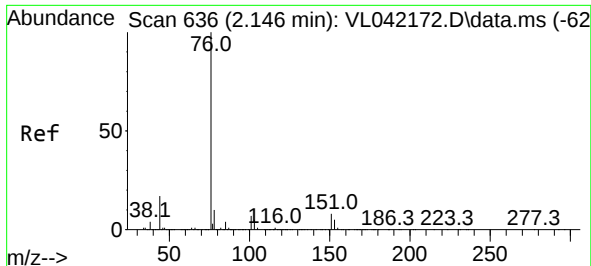
Tgt Ion:	84	Resp:	2085
Ion	Ratio	Lower	Upper
84	100		
49	131.3	120.2	180.4
51	61.2	37.4	56.0#
86	43.7	52.4	78.6#



#23
Vinyl Acetate
Concen: 0.203 ppbv
RT: 2.480 min Scan# 739
Delta R.T. 0.019 min
Lab File: VL042280.D
Acq: 09 Apr 2025 01:18

Tgt Ion:	43	Resp:	1804
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	27.1	8.6	13.0#
44	11.2	6.2	9.4#





#27

Carbon Disulfide

Concen: 0.239 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL042280.D

Acq: 09 Apr 2025 01:18

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-7-04022025DL

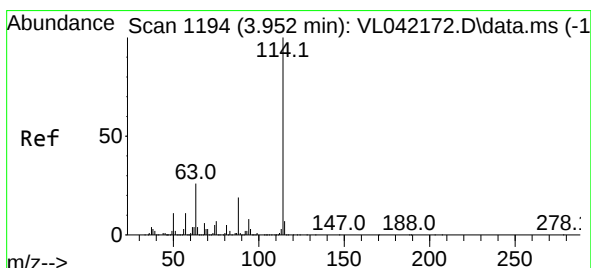
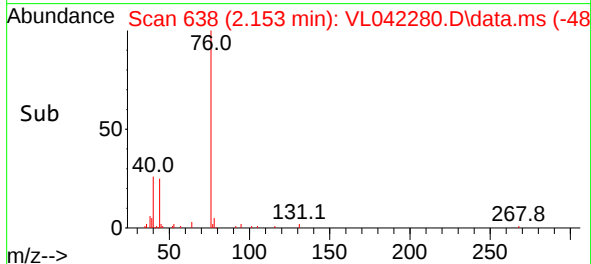
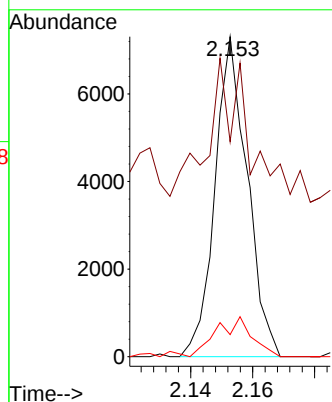
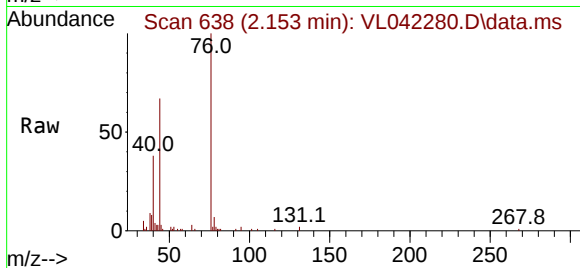
Tgt Ion: 76 Resp: 5281

Ion Ratio Lower Upper

76 100

44 98.4 14.7 22.1#

78 14.8 9.3 13.9#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.016 min

Lab File: VL042280.D

Acq: 09 Apr 2025 01:18

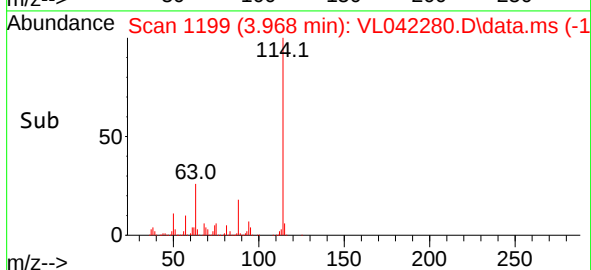
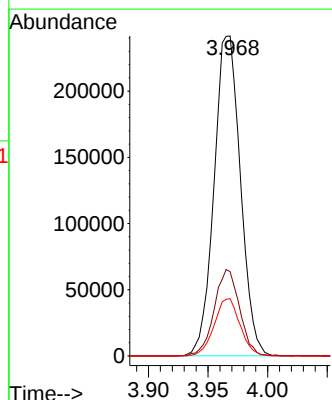
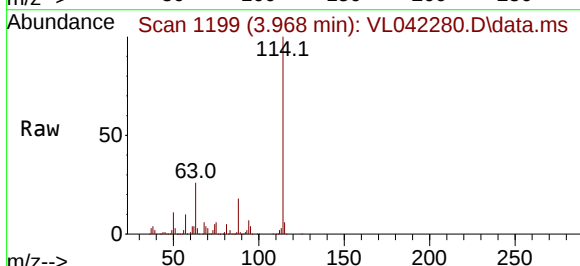
Tgt Ion: 114 Resp: 371349

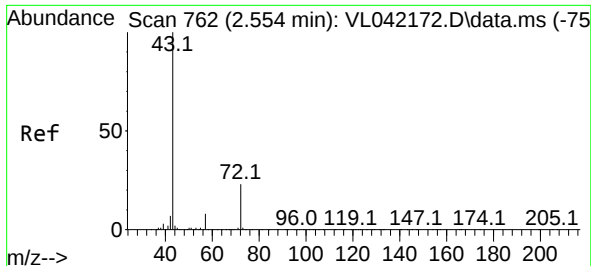
Ion Ratio Lower Upper

114 100

63 26.1 20.7 31.1

88 17.6 15.0 22.4

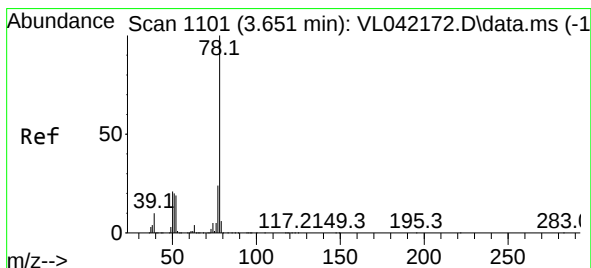
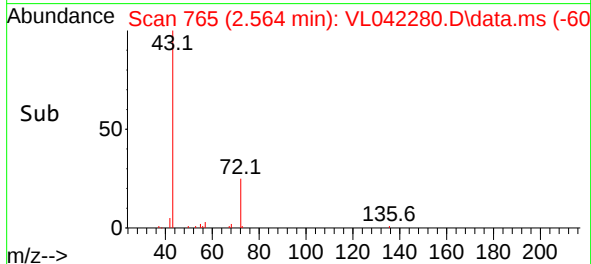
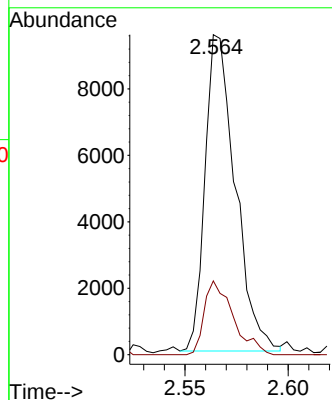
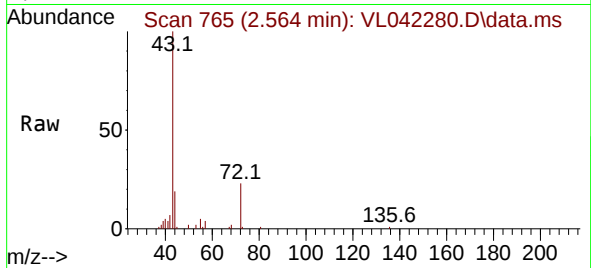




#34
2-Butanone
Concen: 0.359 ppbv
RT: 2.564 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL042280.D
Acq: 09 Apr 2025 01:18

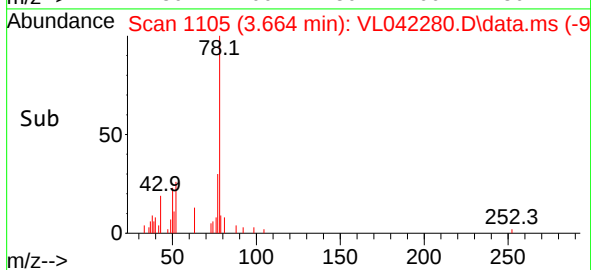
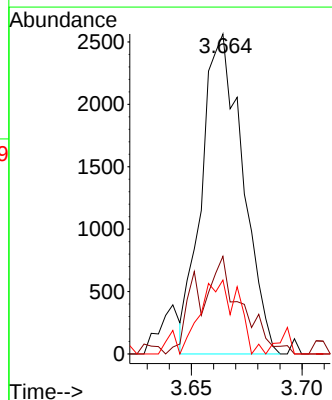
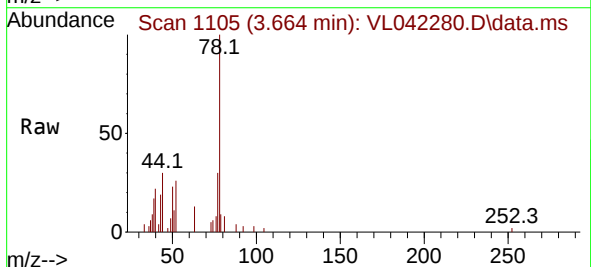
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-7-04022025DL

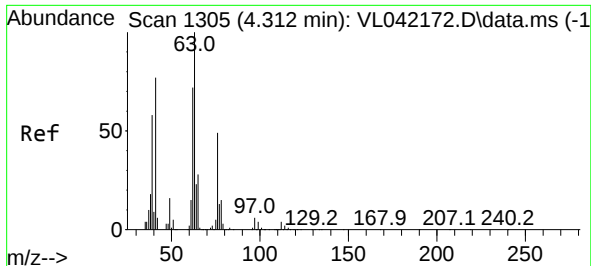
Tgt Ion: 43 Resp: 9672
Ion Ratio Lower Upper
43 100
72 22.4 18.2 27.2



#36
Benzene
Concen: 0.090 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.013 min
Lab File: VL042280.D
Acq: 09 Apr 2025 01:18

Tgt Ion: 78 Resp: 3306
Ion Ratio Lower Upper
78 100
77 25.8 19.1 28.7
50 21.2 16.6 24.8





#39

1,2-Dichloropropane

Concen: 7.159 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.346 min

Lab File: VL042280.D

Acq: 09 Apr 2025 01:18

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-7-04022025DL

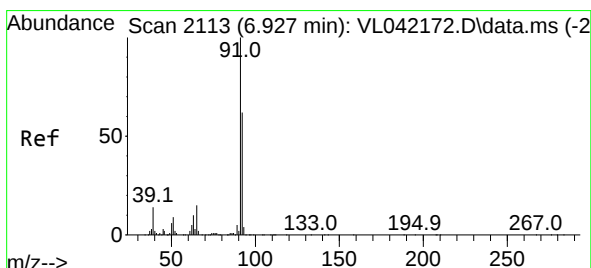
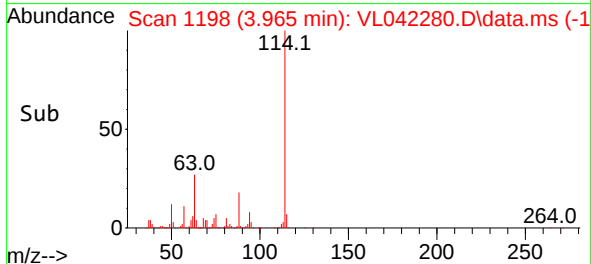
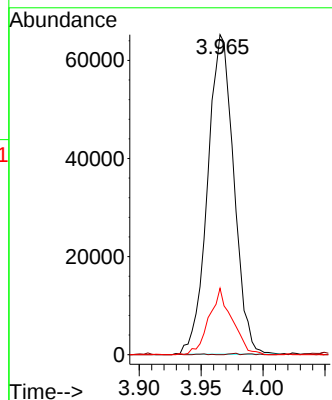
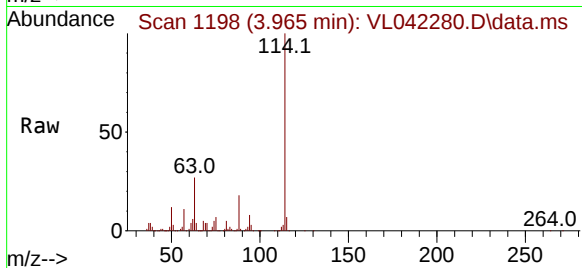
Tgt Ion: 63 Resp: 95985

Ion Ratio Lower Upper

63 100

41 0.0 61.7 92.5#

62 20.8 57.6 86.4#



#53

Toluene

Concen: 0.080 ppbv

RT: 6.949 min Scan# 2120

Delta R.T. 0.023 min

Lab File: VL042280.D

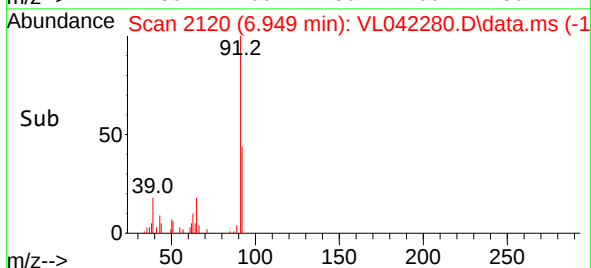
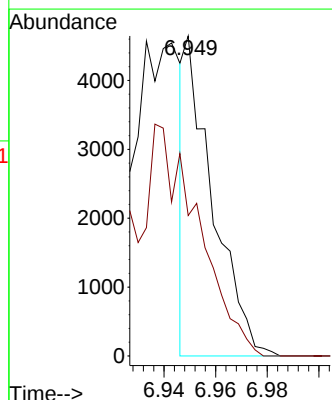
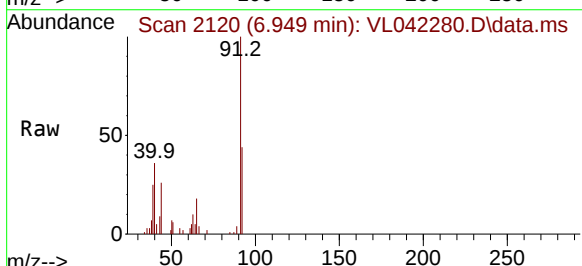
Acq: 09 Apr 2025 01:18

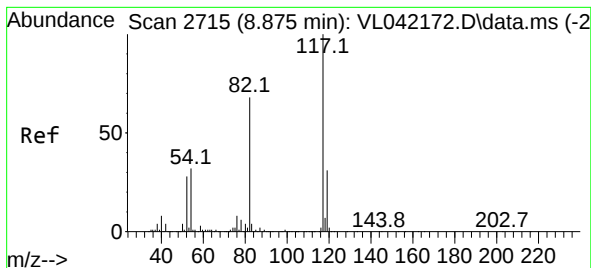
Tgt Ion: 91 Resp: 3484

Ion Ratio Lower Upper

91 100

92 0.0 48.4 72.6#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL042280.D

Acq: 09 Apr 2025 01:18

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-7-04022025DL

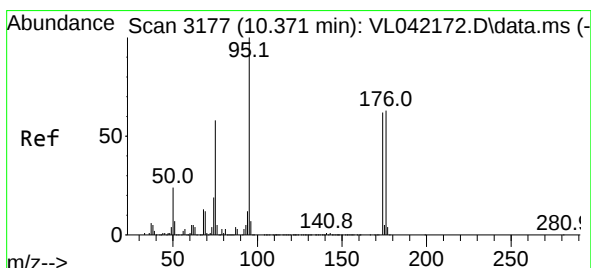
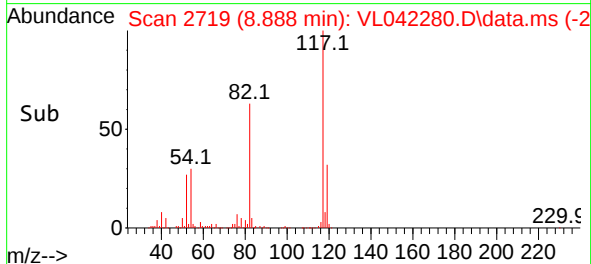
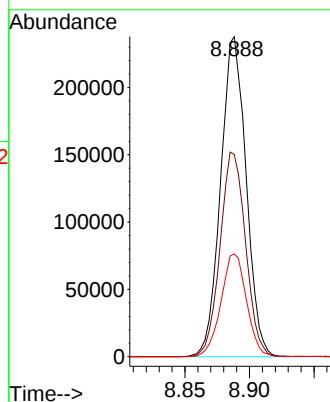
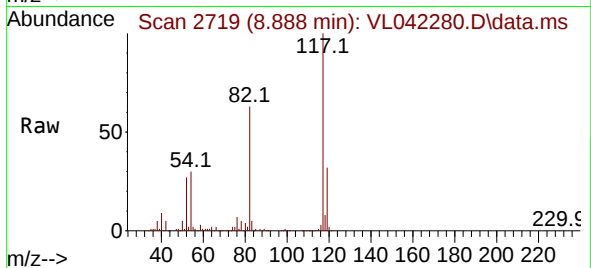
Tgt Ion:117 Resp: 326259

Ion Ratio Lower Upper

117 100

82 64.1 55.8 83.6

119 32.2 25.5 38.3



#68

1-Bromo-4-Fluorobenzene

Concen: 9.217 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.010 min

Lab File: VL042280.D

Acq: 09 Apr 2025 01:18

Tgt Ion: 95 Resp: 246947

Ion Ratio Lower Upper

95 100

174 61.5 50.6 76.0

175 4.4 3.8 5.6

