

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040884.D
 Acq On : 16 Nov 2023 1:15
 Operator : SY/MD
 Sample : 05277-07DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-8-2DL

Quant Time: Nov 16 06:36:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 13 15:42:46 2023
 Response via : Initial Calibration

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

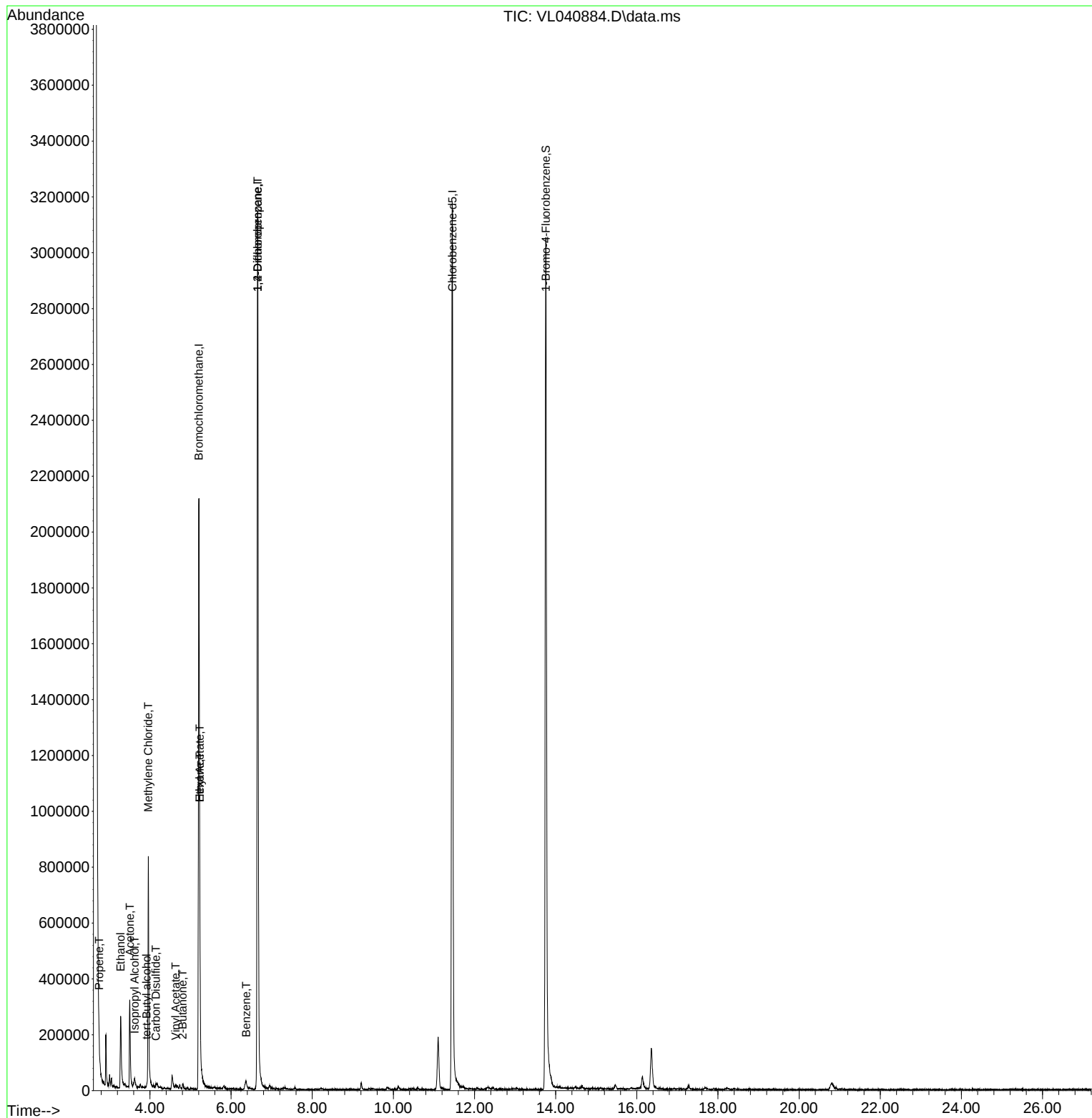
Internal Standards						
1) Bromochloromethane	5.205	49	951664	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.655	114	2245687	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2000563	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1562770	9.977	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
					Qvalue	
9) Propene	2.748	41	14736	0.288	ppbv	89
13) Ethanol	3.279	45	274148	27.572	ppbv #	100
15) Acetone	3.504	43	298425	2.944	ppbv	98
17) tert-Butyl alcohol	3.922	59	4394	0.051	ppbv #	71
19) Isopropyl Alcohol	3.623	45	17589	0.288	ppbv #	1
20) Methylene Chloride	3.960	84	258059	6.169	ppbv	98
23) Vinyl Acetate	4.632	43	6215	0.047	ppbv #	82
25) Ethyl Acetate	5.227	43	111558	0.532	ppbv #	78
26) Hexane	5.227	57	160503	1.728	ppbv #	40
27) Carbon Disulfide	4.147	76	5540	0.047	ppbv #	1
34) 2-Butanone	4.806	43	9509	0.083	ppbv #	54
36) Benzene	6.375	78	6402	0.035	ppbv #	86
39) 1,2-Dichloropropane	6.655	63	586340	8.114	ppbv #	24

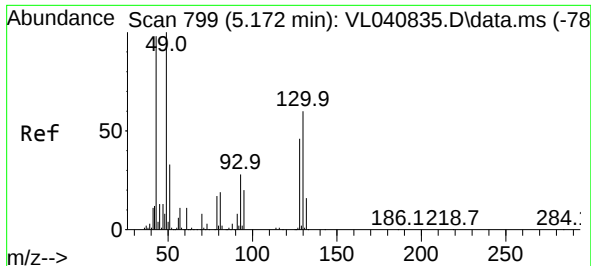
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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NT-SS-8-2DL

Quant Time: Nov 16 06:36:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Nov 13 15:42:46 2023
Response via : Initial Calibration

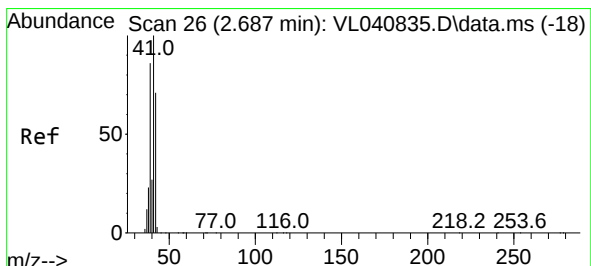
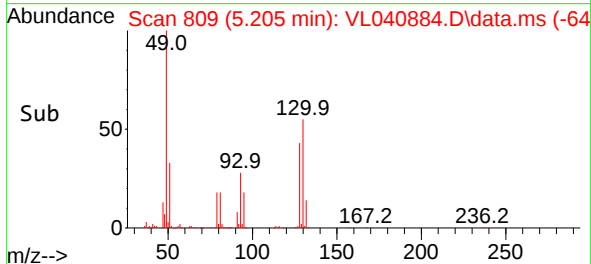
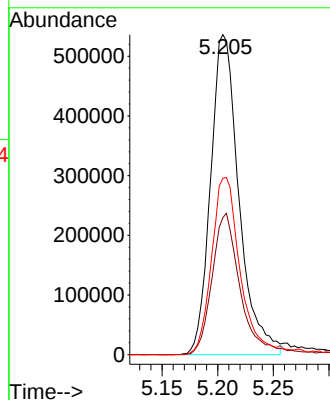
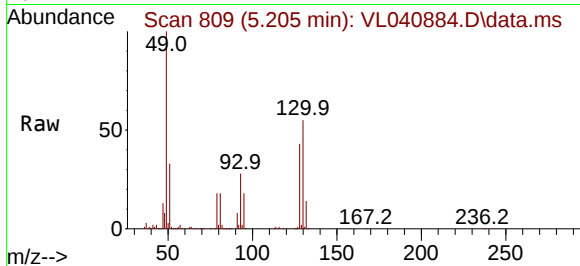




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.033 min
Lab File: VL040884.D
Acq: 16 Nov 2023 1:15

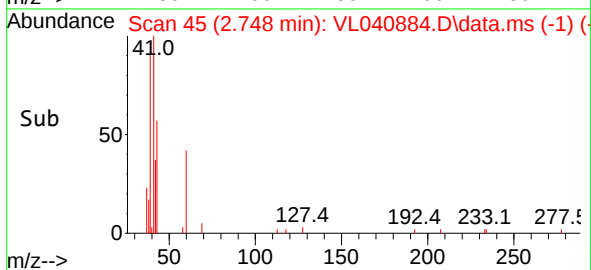
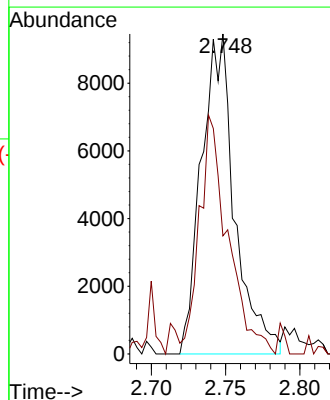
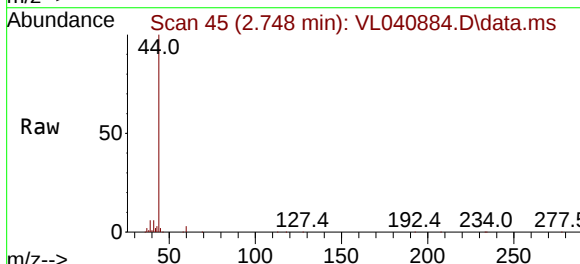
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8-2DL

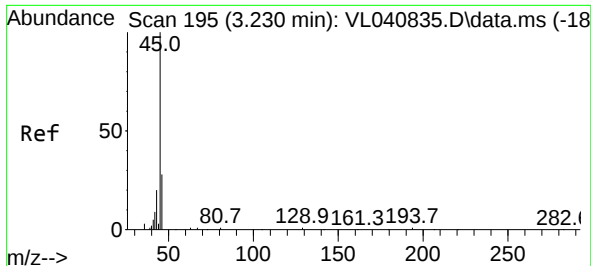
Tgt Ion: 49 Resp: 951664
Ion Ratio Lower Upper
49 100
128 45.1 23.8 71.2
130 58.4 30.9 92.8



#9
Propene
Concen: 0.288 ppbv
RT: 2.748 min Scan# 45
Delta R.T. 0.061 min
Lab File: VL040884.D
Acq: 16 Nov 2023 1:15

Tgt Ion: 41 Resp: 14736
Ion Ratio Lower Upper
41 100
42 79.8 56.5 84.7

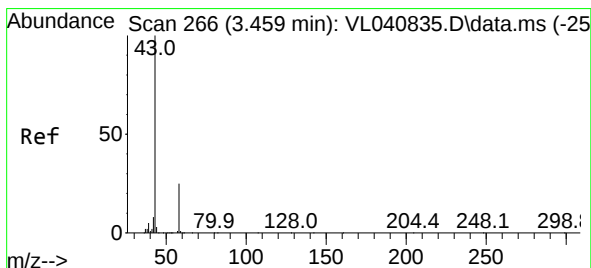
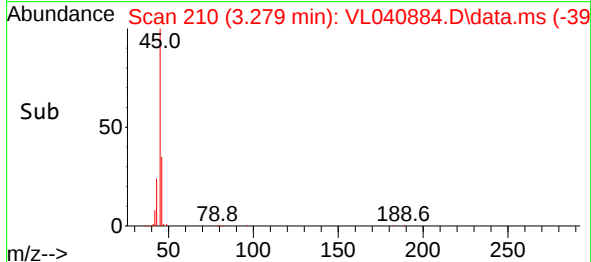
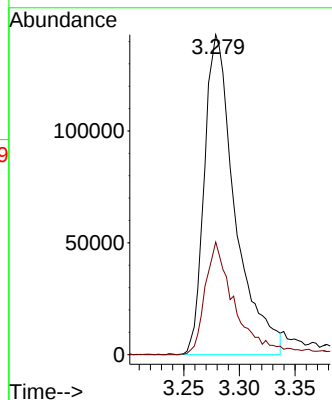
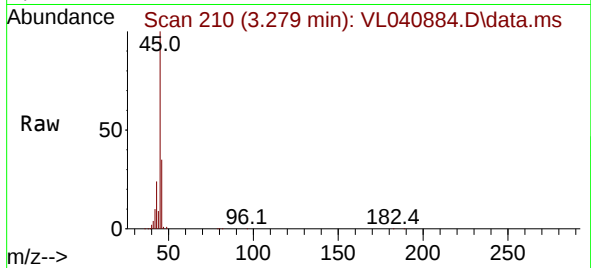




#13
 Ethanol
 Concen: 27.572 ppbv
 RT: 3.279 min Scan# 21
 Delta R.T. 0.048 min
 Lab File: VL040884.D
 Acq: 16 Nov 2023 1:15

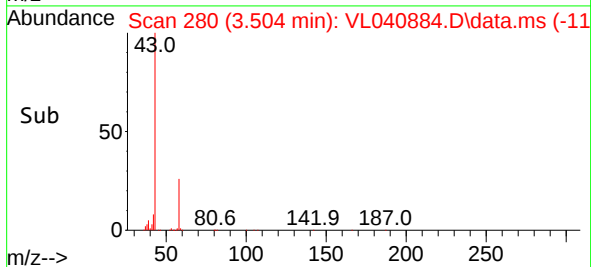
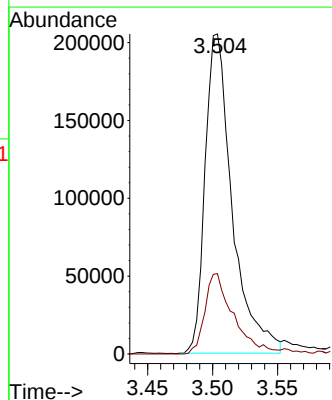
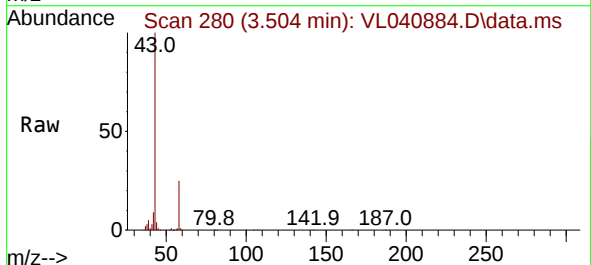
Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-8-2DL

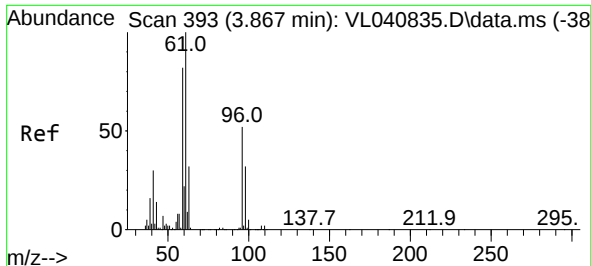
Tgt Ion: 45 Resp: 274148
 Ion Ratio Lower Upper
 45 100
 46 36.4 0.0 0.0#



#15
 Acetone
 Concen: 2.944 ppbv
 RT: 3.504 min Scan# 280
 Delta R.T. 0.045 min
 Lab File: VL040884.D
 Acq: 16 Nov 2023 1:15

Tgt Ion: 43 Resp: 298425
 Ion Ratio Lower Upper
 43 100
 58 27.3 20.9 31.3





#17

tert-Butyl alcohol

Concen: 0.051 ppbv

RT: 3.922 min Scan# 410

Delta R.T. 0.055 min

Lab File: VL040884.D

Acq: 16 Nov 2023 1:15

Instrument :

MSVOA_L

ClientSampleId :

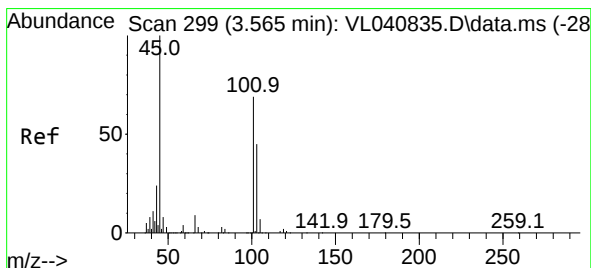
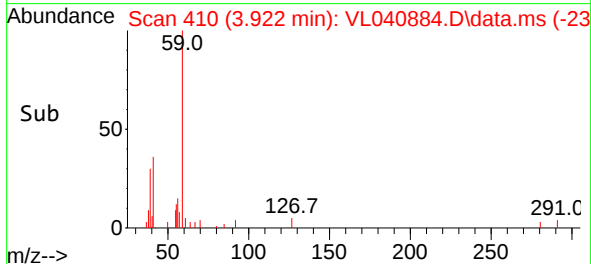
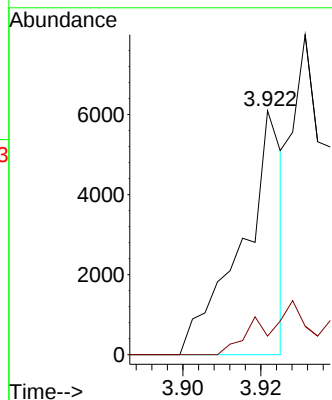
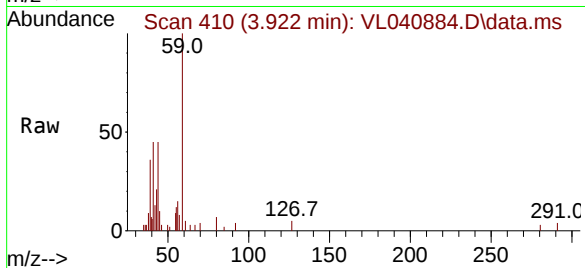
NT-SS-8-2DL

Tgt Ion: 59 Resp: 4394

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 0.288 ppbv

RT: 3.623 min Scan# 317

Delta R.T. 0.058 min

Lab File: VL040884.D

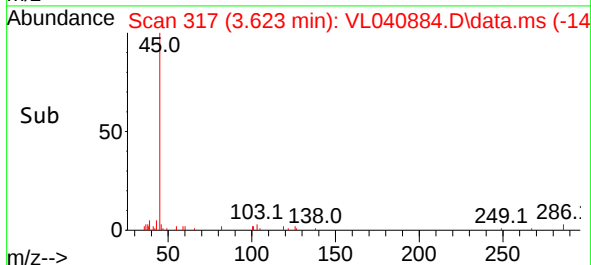
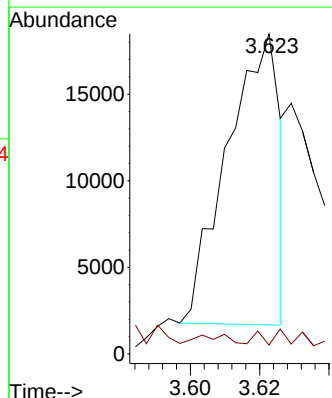
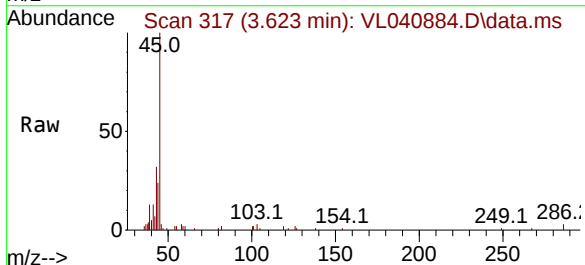
Acq: 16 Nov 2023 1:15

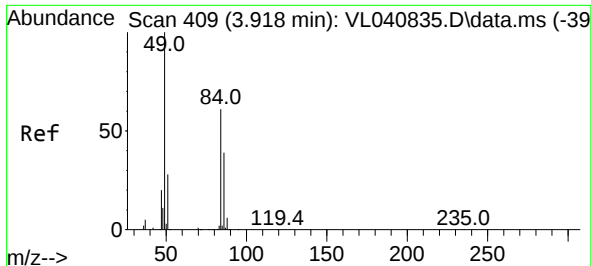
Tgt Ion: 45 Resp: 17589

Ion Ratio Lower Upper

45 100

58 463.8 1.6 2.4#



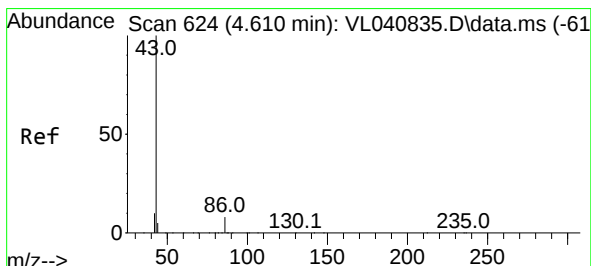
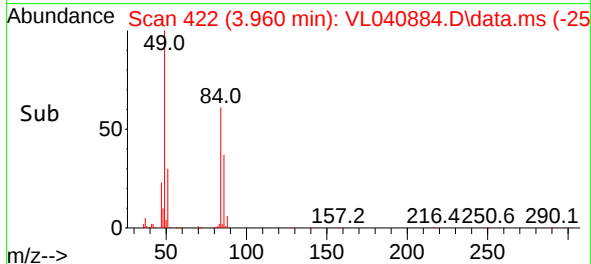
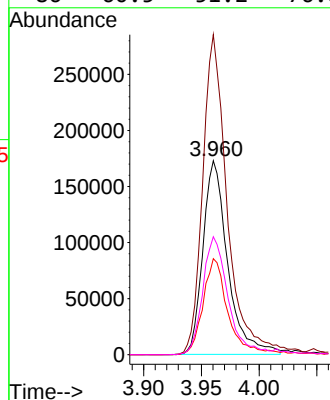
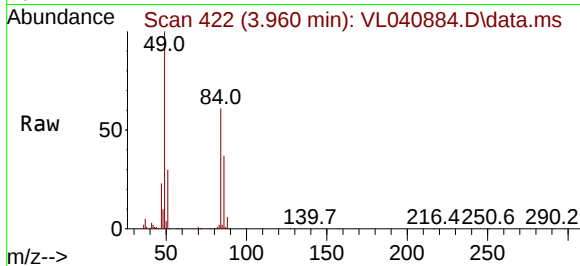


#20
Methylene Chloride
Concen: 6.169 ppbv
RT: 3.960 min Scan# 41
Delta R.T. 0.042 min
Lab File: VL040884.D
Acq: 16 Nov 2023 1:15

Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8-2DL

Tgt Ion: 84 Resp: 258059

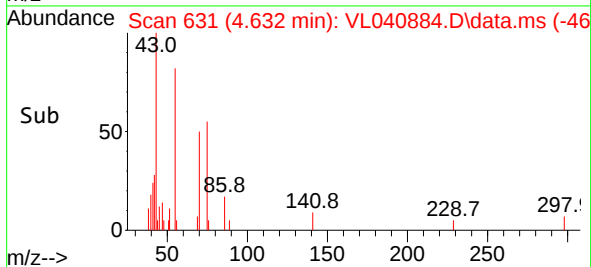
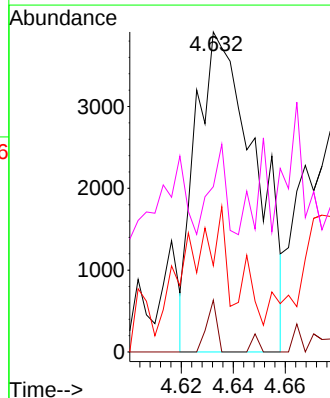
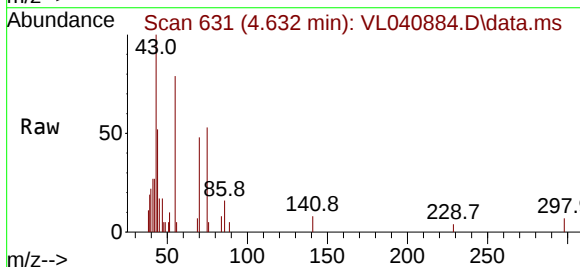
Ion	Ratio	Lower	Upper
84	100		
49	164.8	131.0	196.4
51	49.4	36.9	55.3
86	60.5	51.2	76.8

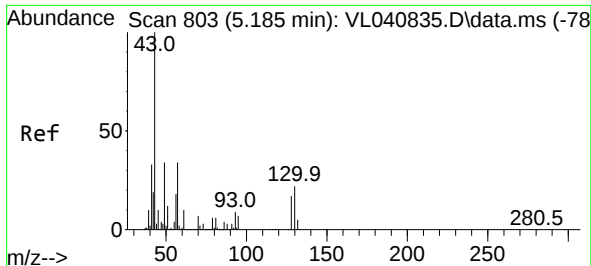


#23
Vinyl Acetate
Concen: 0.047 ppbv
RT: 4.632 min Scan# 631
Delta R.T. 0.023 min
Lab File: VL040884.D
Acq: 16 Nov 2023 1:15

Tgt Ion: 43 Resp: 6215

Ion	Ratio	Lower	Upper
43	100		
86	19.8	5.5	8.3#
42	7.7	8.2	12.2#
44	0.0	4.1	6.1#

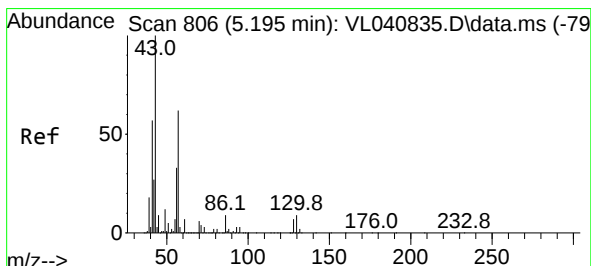
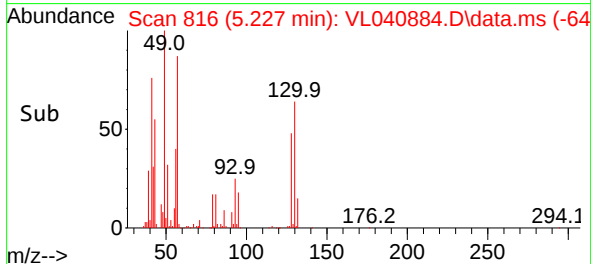
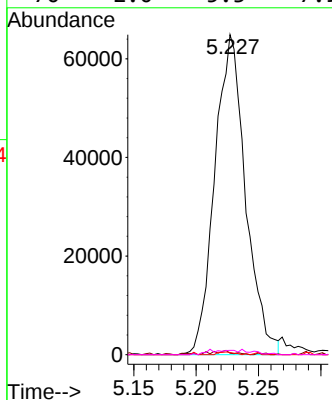
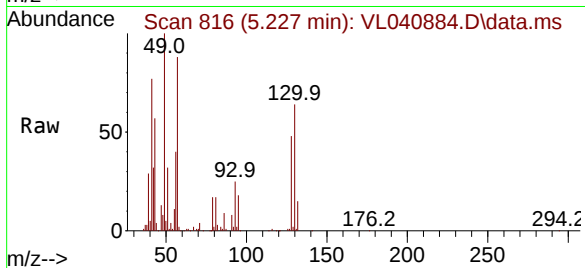




#25
Ethyl Acetate
Concen: 0.532 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.042 min
Lab File: VL040884.D
Acq: 16 Nov 2023 1:15

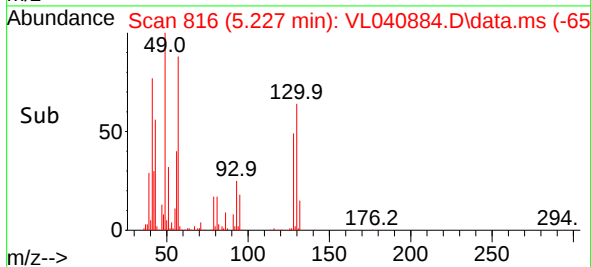
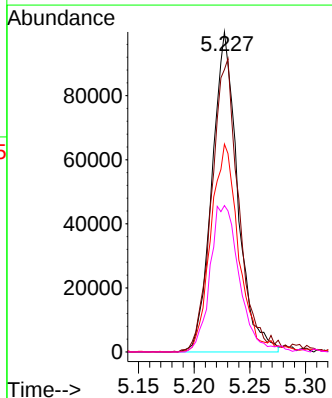
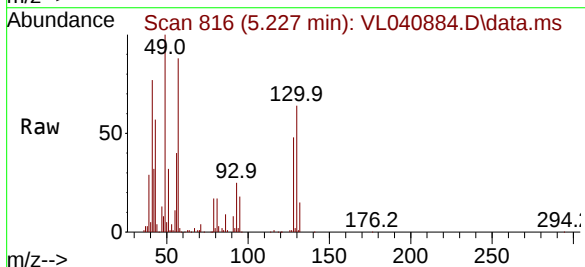
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8-2DL

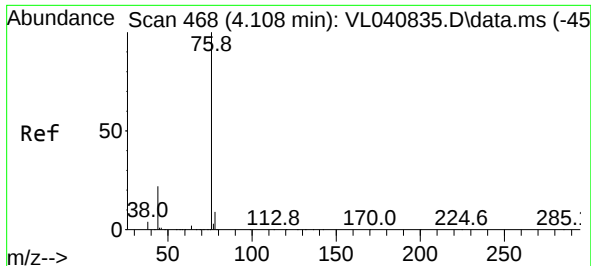
Tgt Ion: 43 Resp: 111558
Ion Ratio Lower Upper
43 100
45 1.2 8.1 12.1#
61 0.7 7.8 11.6#
70 2.0 5.3 7.9#



#26
Hexane
Concen: 1.728 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.032 min
Lab File: VL040884.D
Acq: 16 Nov 2023 1:15

Tgt Ion: 57 Resp: 160503
Ion Ratio Lower Upper
57 100
41 100.1 75.4 113.0
43 72.2 185.9 278.9#
56 53.1 42.6 63.8





#27

Carbon Disulfide

Concen: 0.047 ppbv

RT: 4.147 min Scan# 41

Delta R.T. 0.039 min

Lab File: VL040884.D

Acq: 16 Nov 2023 1:15

Instrument :

MSVOA_L

ClientSampleId :

NT-SS-8-2DL

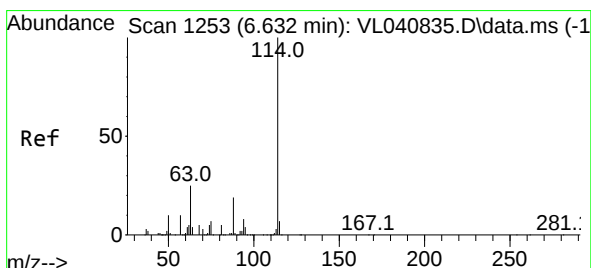
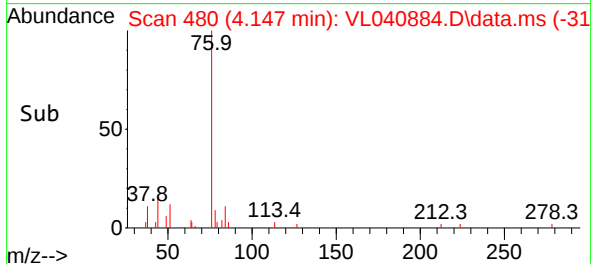
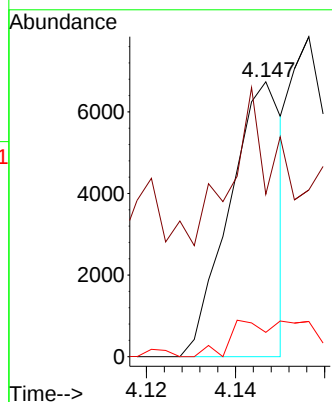
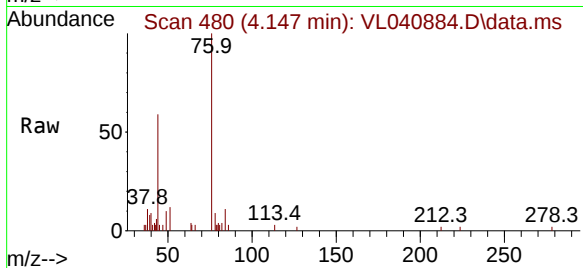
Tgt Ion: 76 Resp: 5540

Ion Ratio Lower Upper

76 100

44 172.5 16.7 25.1#

78 0.0 7.6 11.4#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. 0.023 min

Lab File: VL040884.D

Acq: 16 Nov 2023 1:15

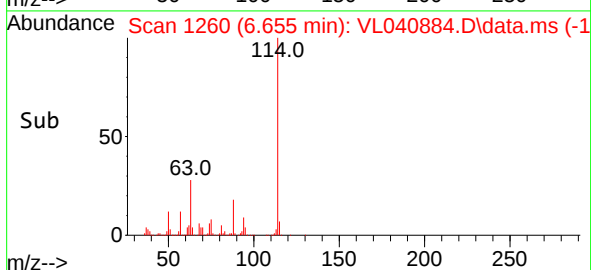
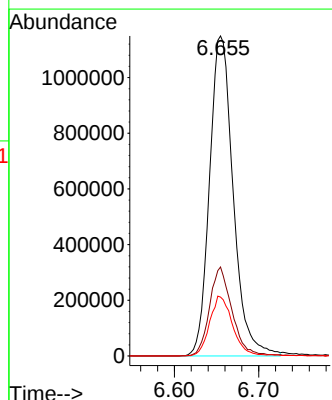
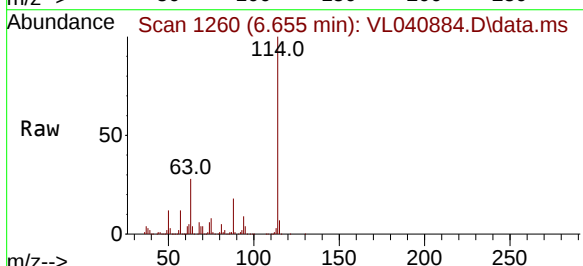
Tgt Ion: 114 Resp: 2245687

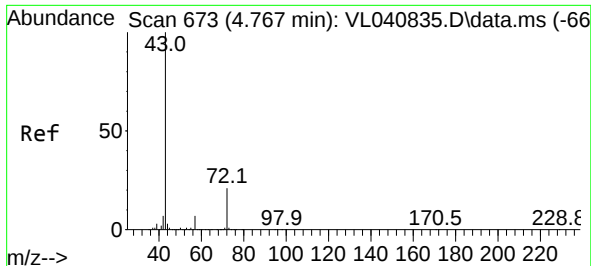
Ion Ratio Lower Upper

114 100

63 26.9 20.9 31.3

88 18.4 14.3 21.5

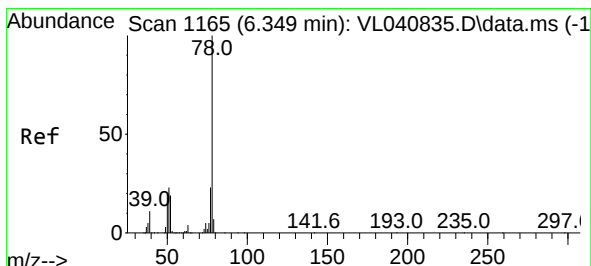
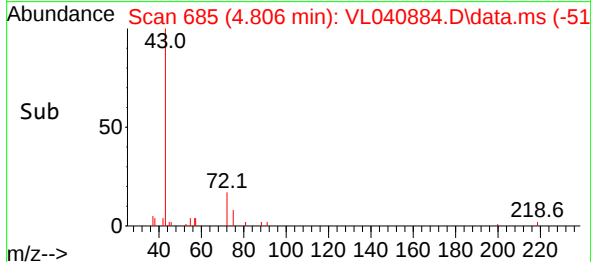
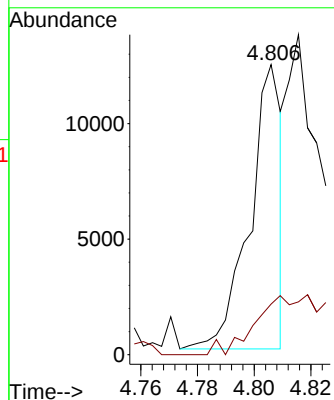
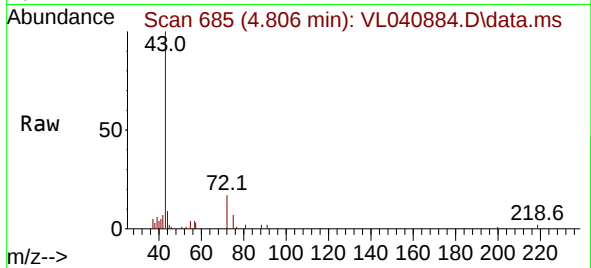




#34
2-Butanone
Concen: 0.083 ppbv
RT: 4.806 min Scan# 61
Delta R.T. 0.039 min
Lab File: VL040884.D
Acq: 16 Nov 2023 1:15

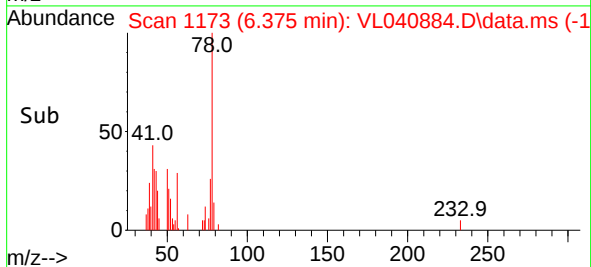
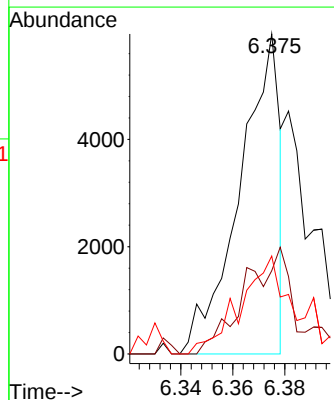
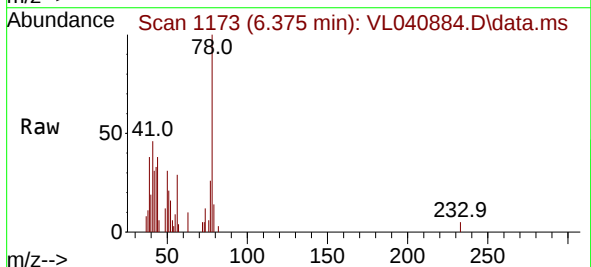
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8-2DL

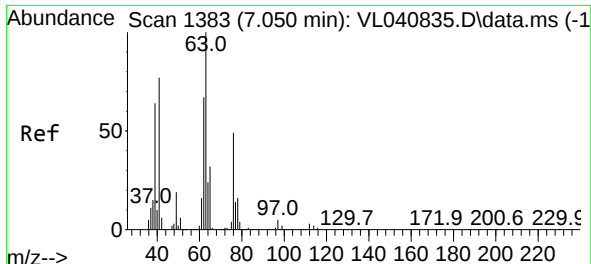
Tgt Ion: 43 Resp: 9509
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#



#36
Benzene
Concen: 0.035 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.026 min
Lab File: VL040884.D
Acq: 16 Nov 2023 1:15

Tgt Ion: 78 Resp: 6402
Ion Ratio Lower Upper
78 100
77 26.0 18.4 27.6
50 30.6 16.2 24.2#





#39

1,2-Dichloropropane

Concen: 8.114 ppbv

RT: 6.655 min Scan# 1

Delta R.T. -0.395 min

Lab File: VL040884.D

Acq: 16 Nov 2023 1:15

Instrument :

MSVOA_L

ClientSampleId :

NT-SS-8-2DL

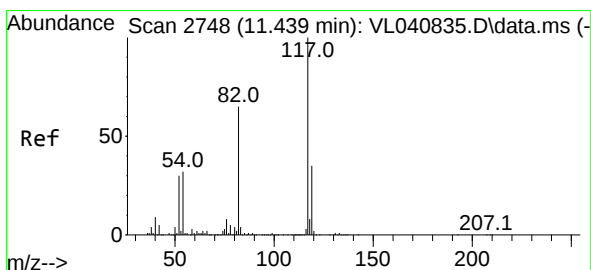
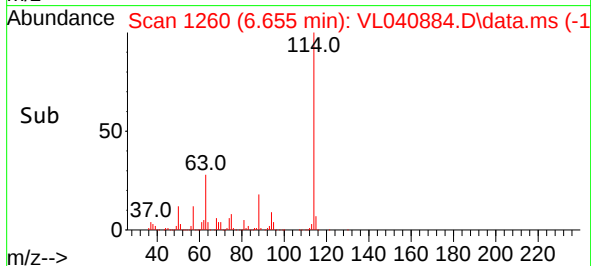
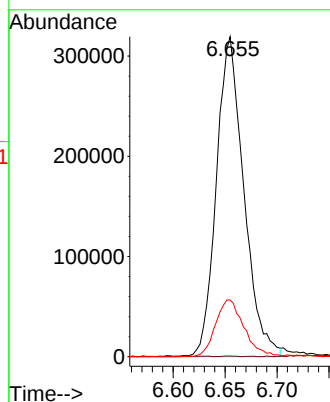
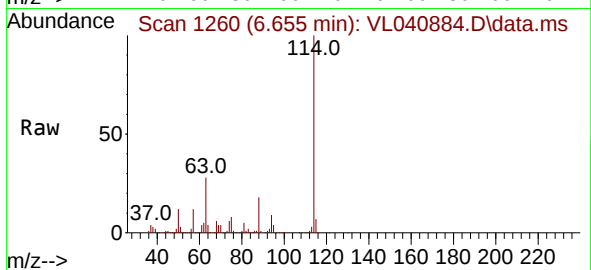
Tgt Ion: 63 Resp: 586340

Ion Ratio Lower Upper

63 100

41 0.1 61.5 92.3#

62 17.6 53.9 80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 2752

Delta R.T. 0.013 min

Lab File: VL040884.D

Acq: 16 Nov 2023 1:15

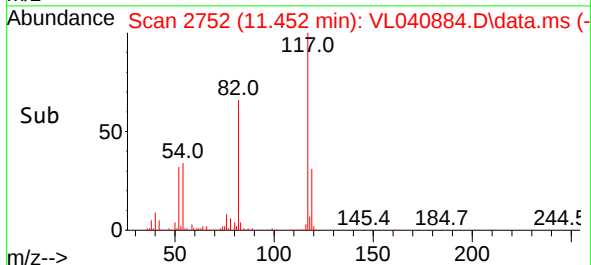
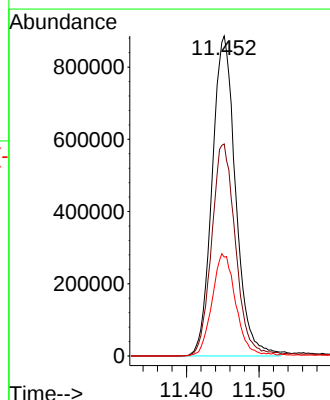
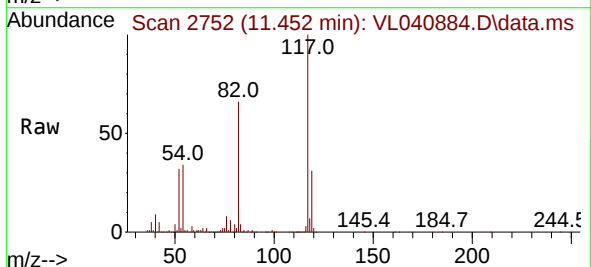
Tgt Ion: 117 Resp: 2000563

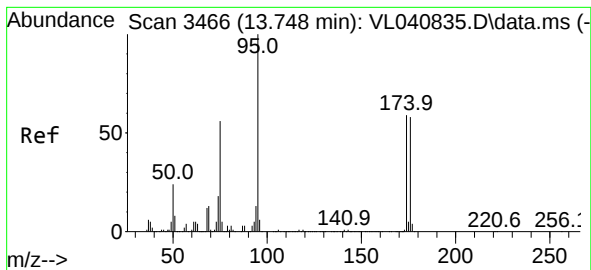
Ion Ratio Lower Upper

117 100

82 68.8 50.6 75.8

119 32.8 23.3 34.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.977 ppbv
 RT: 13.761 min Scan# 34
 Delta R.T. 0.013 min
 Lab File: VL040884.D
 Acq: 16 Nov 2023 1:15

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-8-2DL

Tgt Ion: 95 Resp: 1562770

Ion	Ratio	Lower	Upper
95	100		
174	60.5	47.5	71.3
175	4.4	3.6	5.4

