

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041814.D
 Acq On : 19 Dec 2024 02:26
 Operator : SY/MD
 Sample : P5295-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC8DL

Quant Time: Dec 19 08:03:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	76111	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.975	114	181587	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.895	117	165578	10.000	ppbv	0.02

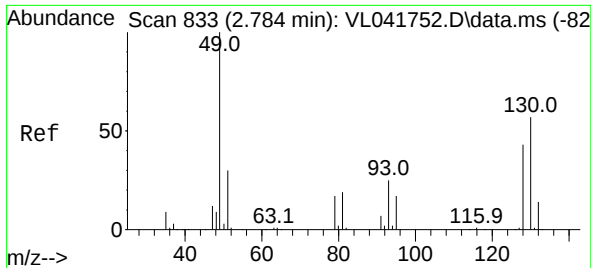
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	133430	9.670	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	712	0.053	ppbv #	78
7) Chloroethane	1.738	64	64	0.031	ppbv #	40
9) Propene	1.631	41	948	0.176	ppbv	91
13) Ethanol	1.729	45	5114	11.480	ppbv #	34
15) Acetone	1.842	43	5144	0.347	ppbv	97
16) 1,3-Butadiene	1.606	39	316	0.054	ppbv #	65
17) tert-Butyl alcohol	2.049	59	859	0.058	ppbv #	63
19) Isopropyl Alcohol	1.729	45	5114	0.576	ppbv #	44
20) Methylene Chloride	2.068	84	989	0.234	ppbv #	89
23) Vinyl Acetate	2.457	43	873	0.127	ppbv #	89
29) Chloroform	2.861	83	590	0.037	ppbv	88
34) 2-Butanone	2.573	43	1303	0.089	ppbv	96
38) Trichloroethene	4.561	130	287	0.036	ppbv #	45
39) 1,2-Dichloropropane	3.972	63	50235	7.395	ppbv #	18
52) Tetrachloroethene	8.241	164	73433	10.503	ppbv	96
53) Toluene	6.956	91	2450	0.115	ppbv #	1

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

Quant Time: Dec 19 08:03:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

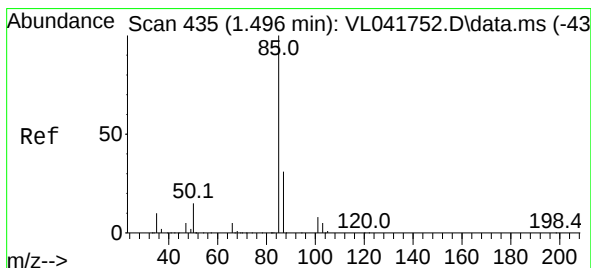
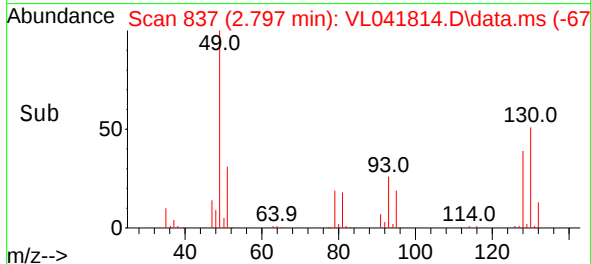
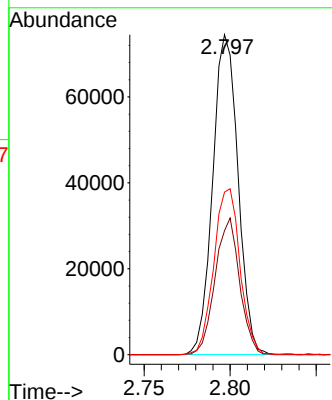
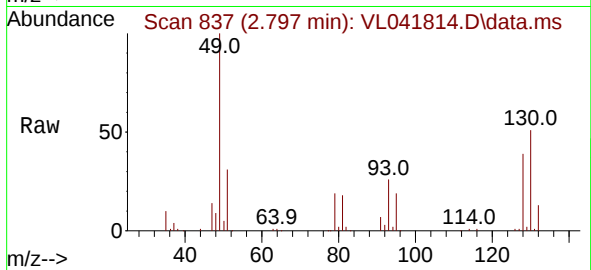




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.797 min Scan# 833
 Delta R.T. 0.013 min
 Lab File: VL041814.D
 Acq: 19 Dec 2024 02:26

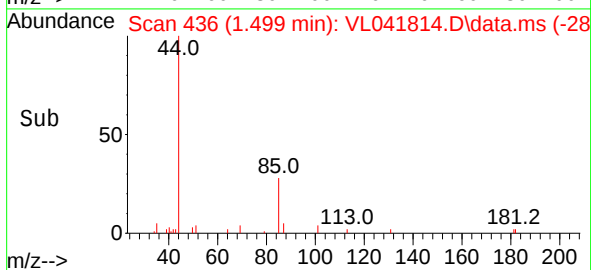
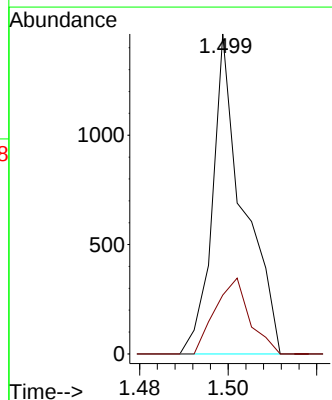
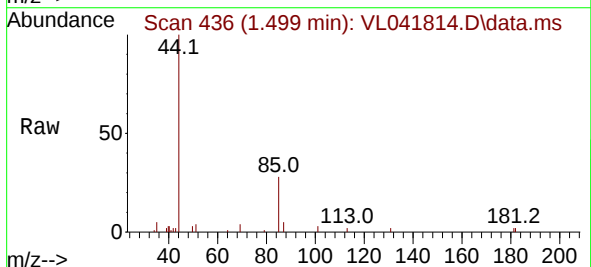
Instrument :
 MSVOA_1
 ClientSampleId :
 C0AC8DL

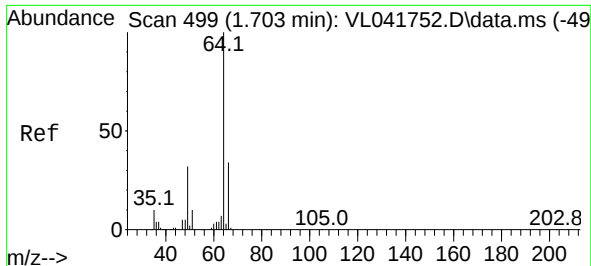
Tgt Ion: 49 Resp: 76111
 Ion Ratio Lower Upper
 49 100
 128 41.5 21.6 64.6
 130 53.8 28.3 85.0



#2
 Dichlorodifluoromethane
 Concen: 0.053 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.003 min
 Lab File: VL041814.D
 Acq: 19 Dec 2024 02:26

Tgt Ion: 85 Resp: 712
 Ion Ratio Lower Upper
 85 100
 87 18.4 24.5 36.7#

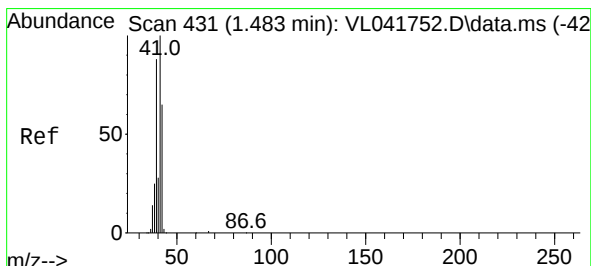
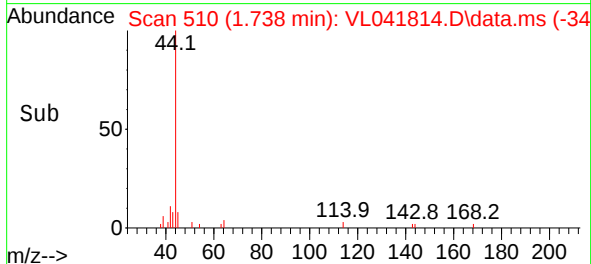
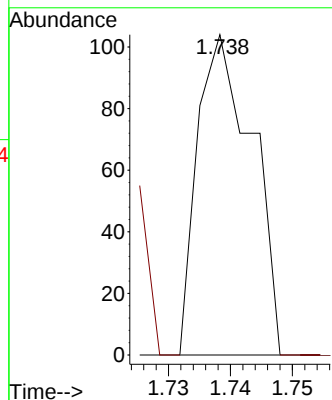
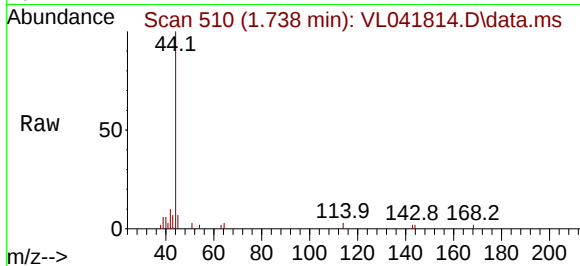




#7
Chloroethane
Concen: 0.031 ppbv
RT: 1.738 min Scan# 51
Delta R.T. 0.035 min
Lab File: VL041814.D
Acq: 19 Dec 2024 02:26

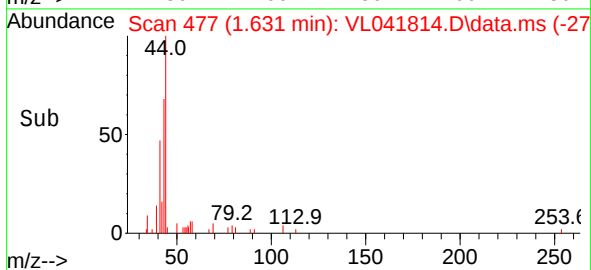
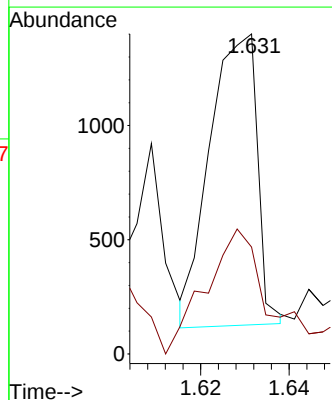
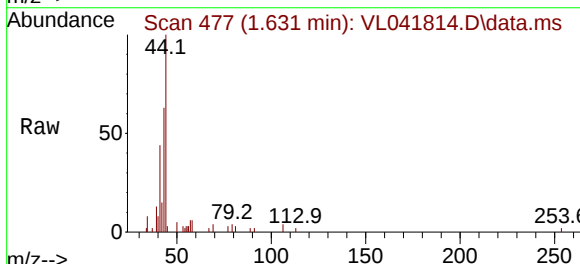
Instrument :
MSVOA_L
ClientSampleId :
C0AC8DL

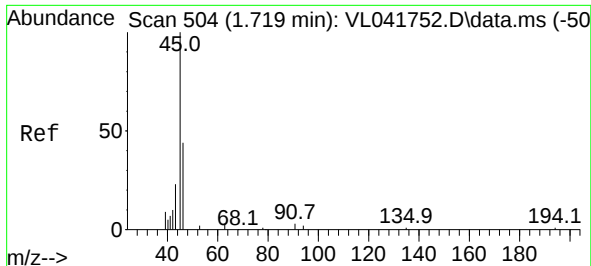
Tgt Ion: 64 Resp: 64
Ion Ratio Lower Upper
64 100
66 0.0 27.5 41.3#



#9
Propene
Concen: 0.176 ppbv
RT: 1.631 min Scan# 477
Delta R.T. 0.149 min
Lab File: VL041814.D
Acq: 19 Dec 2024 02:26

Tgt Ion: 41 Resp: 948
Ion Ratio Lower Upper
41 100
42 72.8 52.4 78.6





#13

Ethanol

Concen: 11.480 ppbv

RT: 1.729 min Scan# 504

Delta R.T. 0.009 min

Lab File: VL041814.D

Acq: 19 Dec 2024 02:26

Instrument :

MSVOA_L

ClientSampleId :

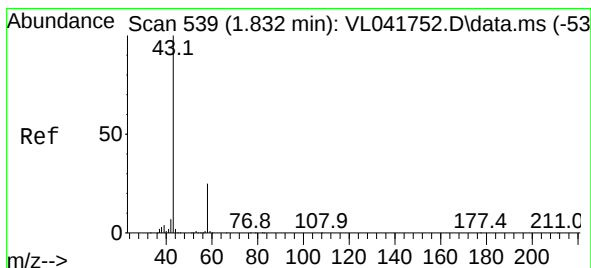
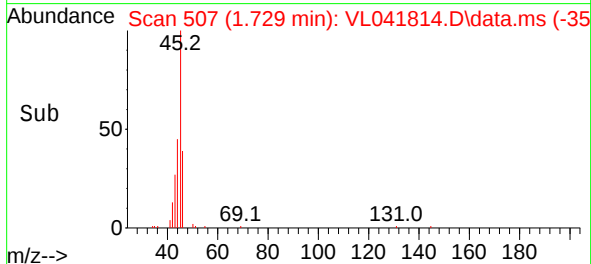
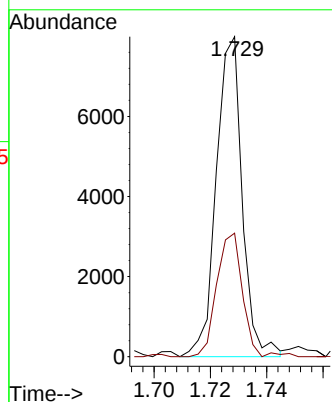
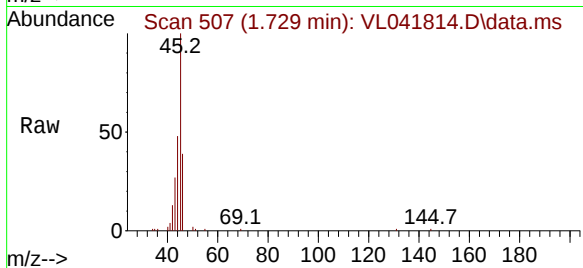
C0AC8DL

Tgt Ion: 45 Resp: 5114

Ion Ratio Lower Upper

45 100

46 0.0 16.4 65.8#



#15

Acetone

Concen: 0.347 ppbv

RT: 1.842 min Scan# 542

Delta R.T. 0.009 min

Lab File: VL041814.D

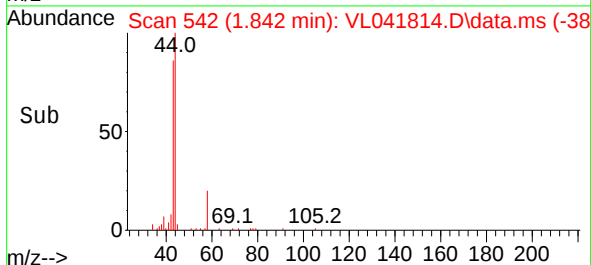
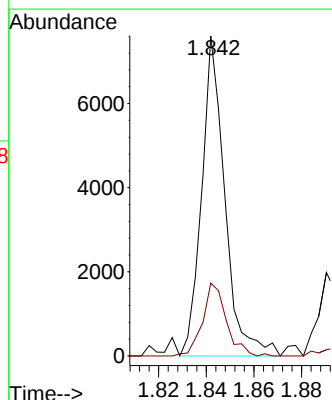
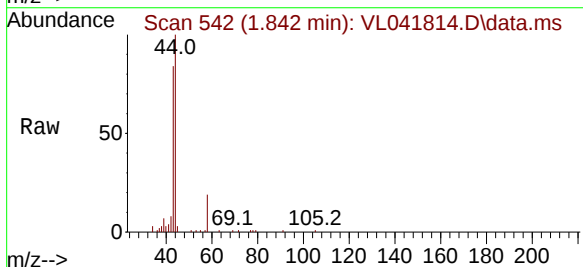
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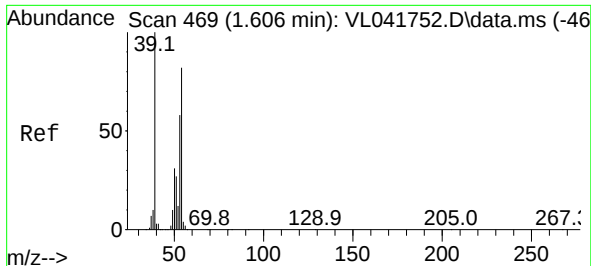
Tgt Ion: 43 Resp: 5144

Ion Ratio Lower Upper

43 100

58 23.3 19.7 29.5





#16

1,3-Butadiene

Concen: 0.054 ppbv

RT: 1.606 min Scan# 4

Delta R.T. -0.000 min

Lab File: VL041814.D

Acq: 19 Dec 2024 02:26

Instrument :

MSVOA_L

ClientSampleId :

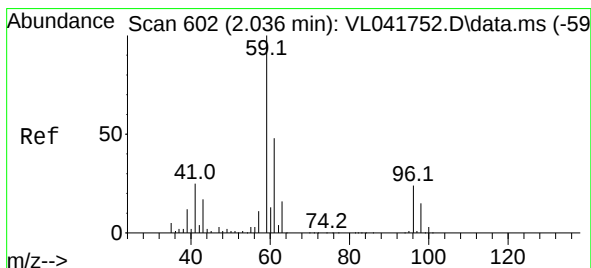
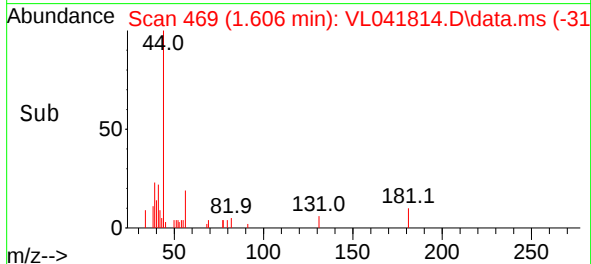
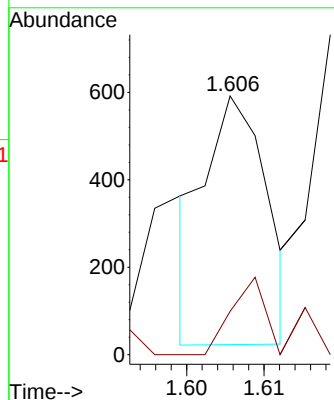
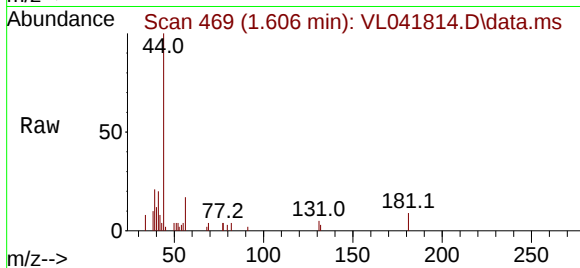
C0AC8DL

Tgt Ion: 39 Resp: 316

Ion Ratio Lower Upper

39 100

54 43.7 58.4 87.6#



#17

tert-Butyl alcohol

Concen: 0.058 ppbv

RT: 2.049 min Scan# 606

Delta R.T. 0.013 min

Lab File: VL041814.D

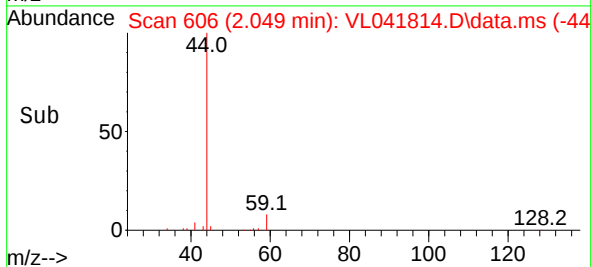
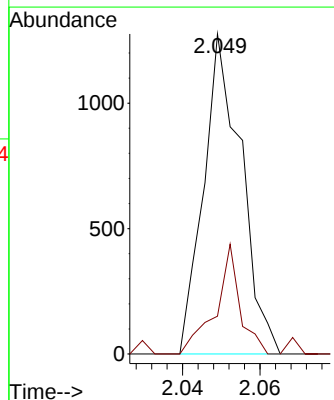
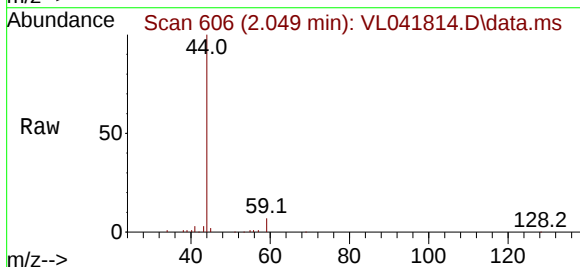
Acq: 19 Dec 2024 02:26

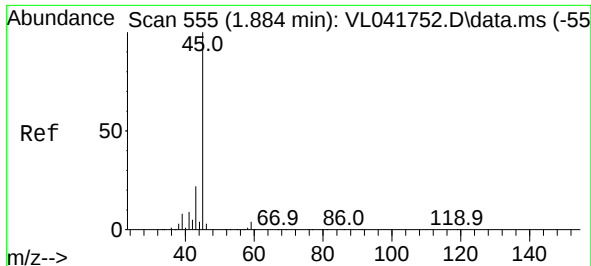
Tgt Ion: 59 Resp: 859

Ion Ratio Lower Upper

59 100

57 24.9 8.6 13.0#





#19

Isopropyl Alcohol

Concen: 0.576 ppbv

RT: 1.729 min Scan# 511

Delta R.T. -0.156 min

Lab File: VL041814.D

Acq: 19 Dec 2024 02:26

Instrument :

MSVOA_1

ClientSampleId :

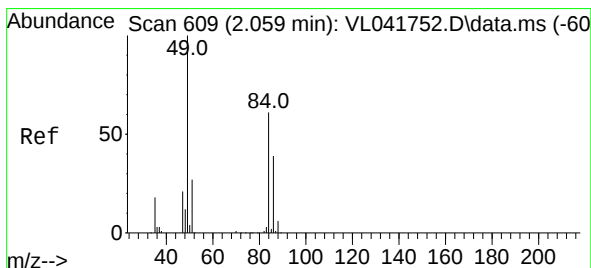
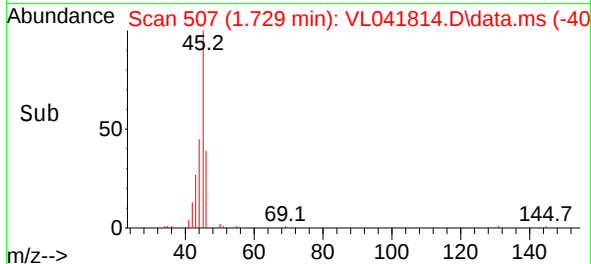
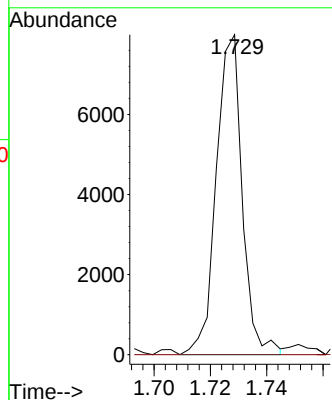
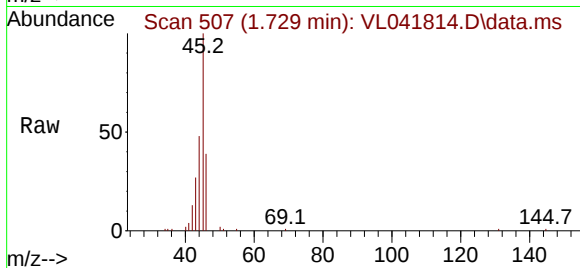
C0AC8DL

Tgt Ion: 45 Resp: 5114

Ion Ratio Lower Upper

45 100

58 6.2 33.3 49.9#



#20

Methylene Chloride

Concen: 0.234 ppbv

RT: 2.068 min Scan# 612

Delta R.T. 0.009 min

Lab File: VL041814.D

Acq: 19 Dec 2024 02:26

Tgt Ion: 84 Resp: 989

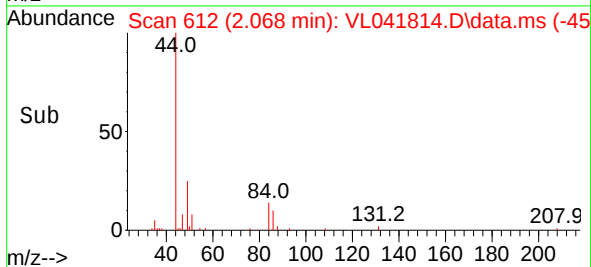
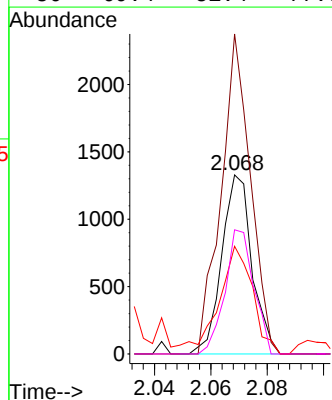
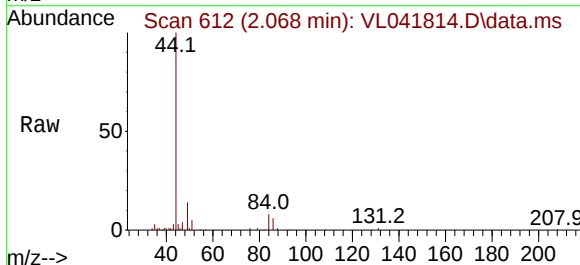
Ion Ratio Lower Upper

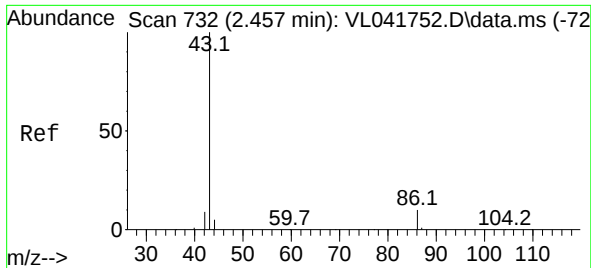
84 100

49 178.7 132.6 198.8

51 60.1 37.6 56.4#

86 69.4 51.4 77.0



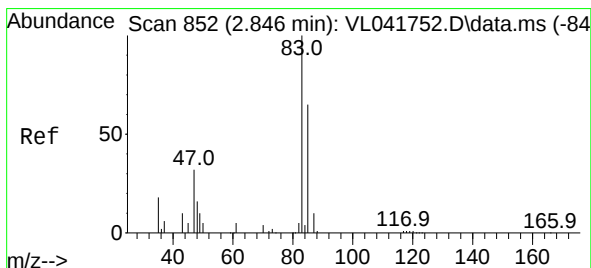
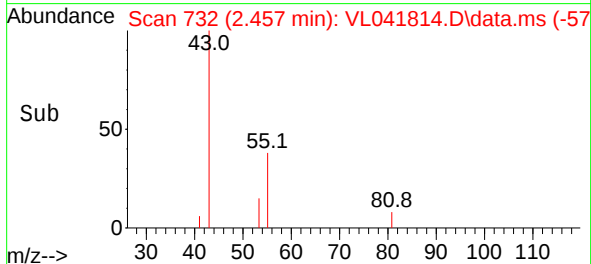
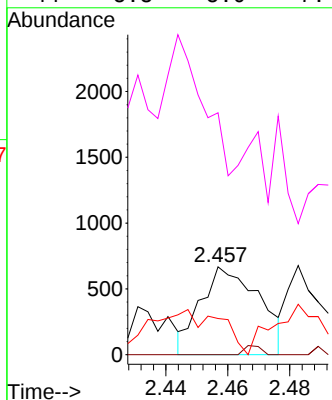
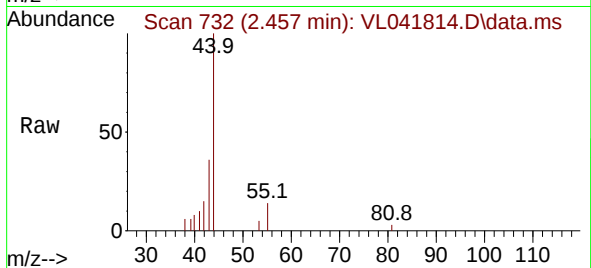


#23
 Vinyl Acetate
 Concen: 0.127 ppbv
 RT: 2.457 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VL041814.D
 Acq: 19 Dec 2024 02:26

Instrument :
 MSVOA_1
 ClientSampleId :
 C0AC8DL

Tgt Ion: 43 Resp: 873

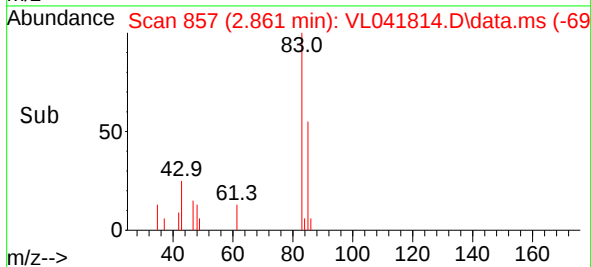
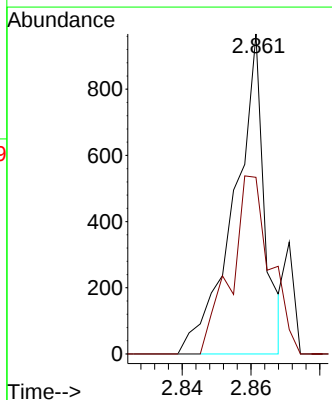
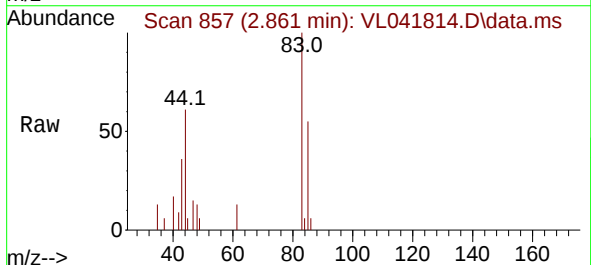
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.6	10.0#
42	7.7	8.2	12.2#
44	5.3	5.0	7.4

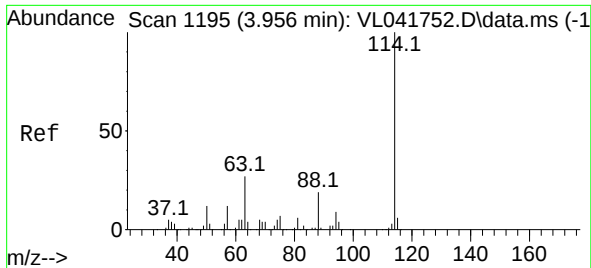


#29
 Chloroform
 Concen: 0.037 ppbv
 RT: 2.861 min Scan# 857
 Delta R.T. 0.016 min
 Lab File: VL041814.D
 Acq: 19 Dec 2024 02:26

Tgt Ion: 83 Resp: 590

Ion	Ratio	Lower	Upper
83	100		
85	55.2	51.8	77.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1195

Delta R.T. 0.019 min

Lab File: VL041814.D

Acq: 19 Dec 2024 02:26

Instrument :

MSVOA_L

ClientSampleId :

C0AC8DL

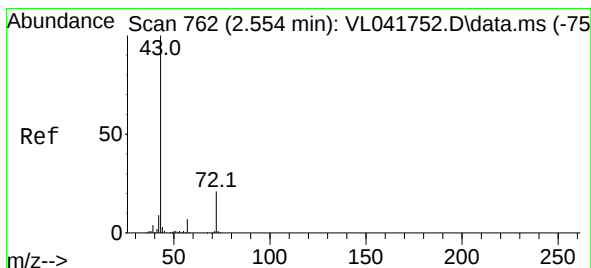
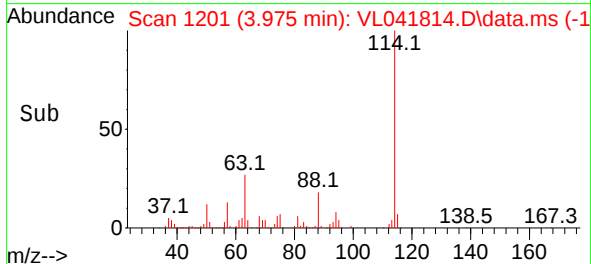
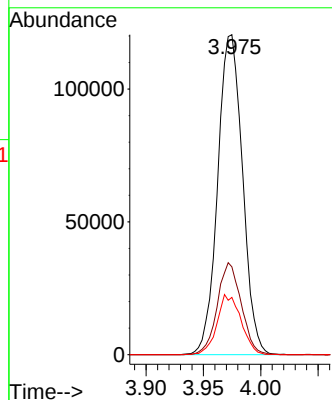
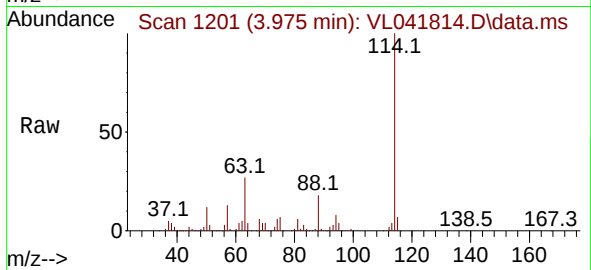
Tgt Ion:114 Resp: 181587

Ion Ratio Lower Upper

114 100

63 27.7 21.8 32.8

88 18.2 14.8 22.2



#34

2-Butanone

Concen: 0.089 ppbv

RT: 2.573 min Scan# 768

Delta R.T. 0.019 min

Lab File: VL041814.D

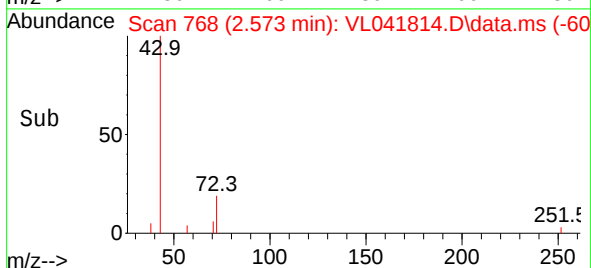
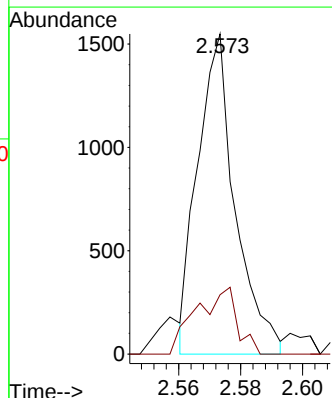
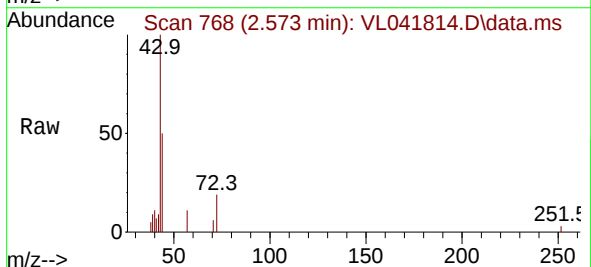
Acq: 19 Dec 2024 02:26

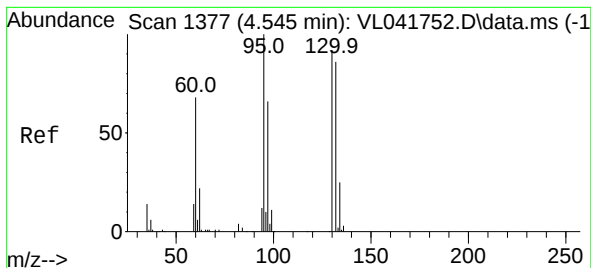
Tgt Ion: 43 Resp: 1303

Ion Ratio Lower Upper

43 100

72 22.8 16.8 25.2





#38

Trichloroethene

Concen: 0.036 ppbv

RT: 4.561 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL041814.D

Acq: 19 Dec 2024 02:26

Instrument :

MSVOA_1

ClientSampleId :

C0AC8DL

Tgt Ion:130 Resp: 287

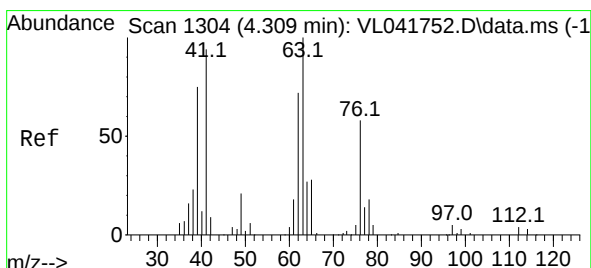
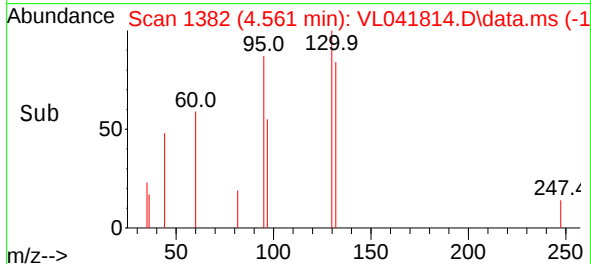
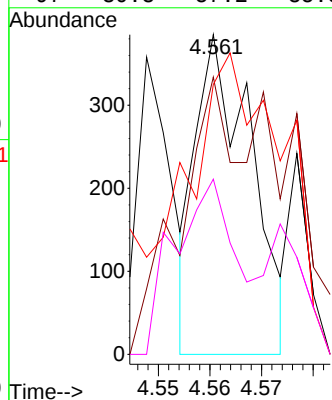
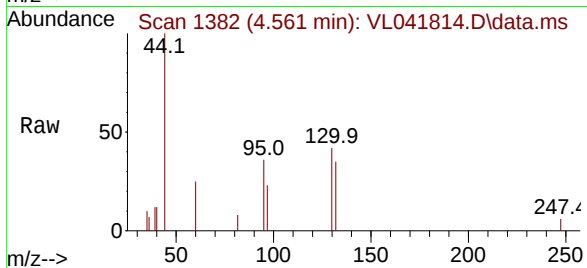
Ion Ratio Lower Upper

130 100

95 54.8 87.0 130.6#

132 32.2 75.0 112.6#

97 30.8 57.2 85.8#



#39

1,2-Dichloropropane

Concen: 7.395 ppbv

RT: 3.972 min Scan# 1200

Delta R.T. -0.337 min

Lab File: VL041814.D

Acq: 19 Dec 2024 02:26

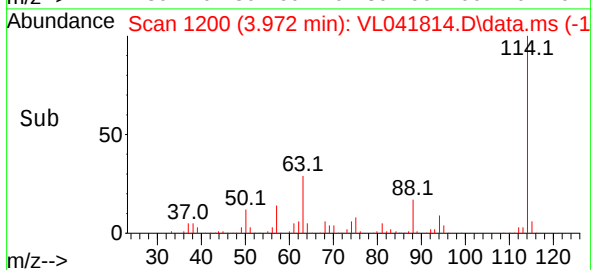
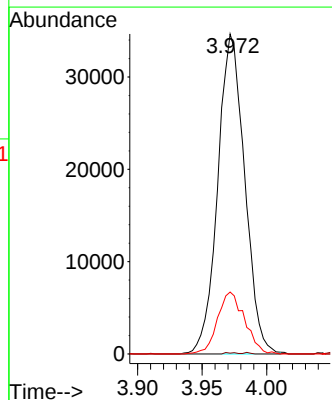
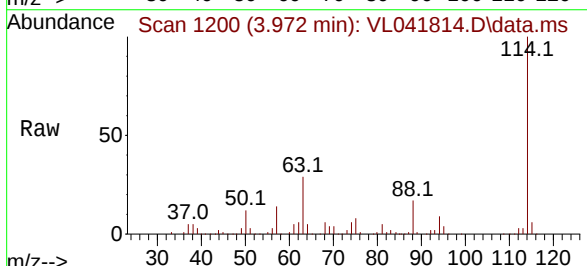
Tgt Ion: 63 Resp: 50235

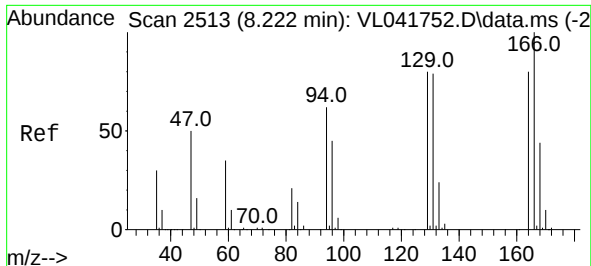
Ion Ratio Lower Upper

63 100

41 0.2 75.3 112.9#

62 19.3 57.3 85.9#





#52

Tetrachloroethene

Concen: 10.503 ppbv

RT: 8.241 min Scan# 2119

Delta R.T. 0.019 min

Lab File: VL041814.D

Acq: 19 Dec 2024 02:26

Instrument :

MSVOA_L

ClientSampleId :

C0AC8DL

Tgt Ion:164 Resp: 73433

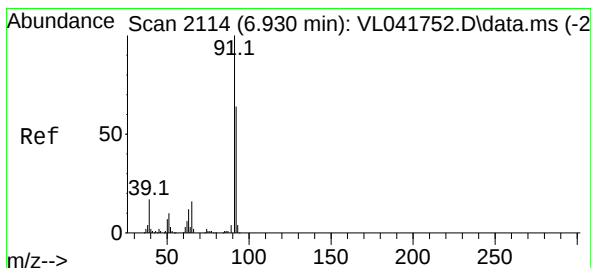
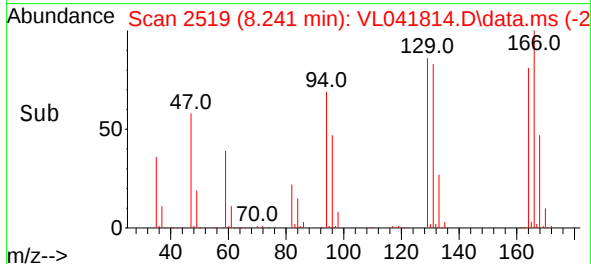
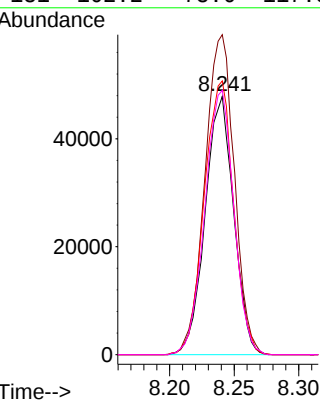
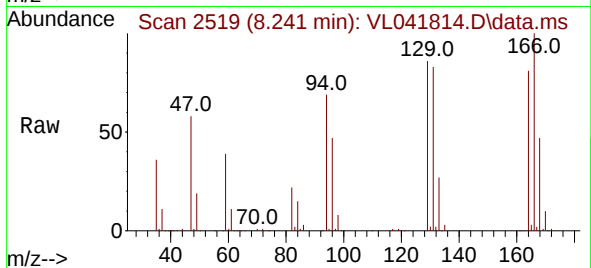
Ion Ratio Lower Upper

164 100

166 123.6 99.8 149.6

129 105.9 79.6 119.4

131 102.2 78.6 117.8



#53

Toluene

Concen: 0.115 ppbv

RT: 6.956 min Scan# 2122

Delta R.T. 0.026 min

Lab File: VL041814.D

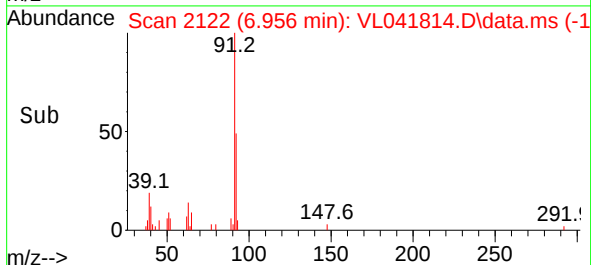
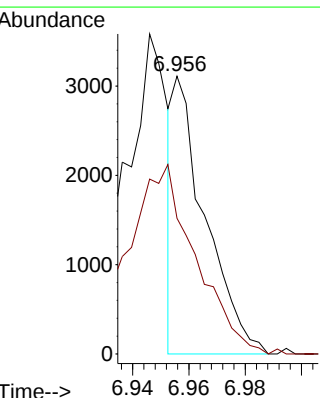
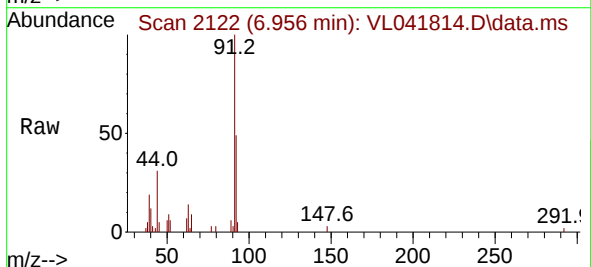
Acq: 19 Dec 2024 02:26

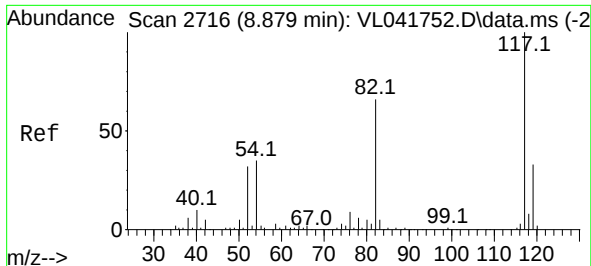
Tgt Ion: 91 Resp: 2450

Ion Ratio Lower Upper

91 100

92 152.5 47.9 71.9#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL041814.D

Acq: 19 Dec 2024 02:26

Instrument :

MSVOA_1

ClientSampleId :

C0AC8DL

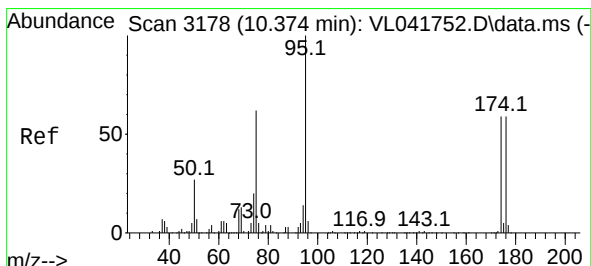
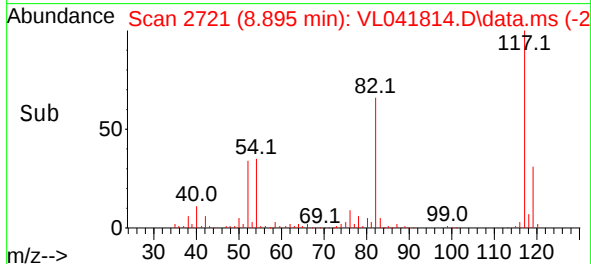
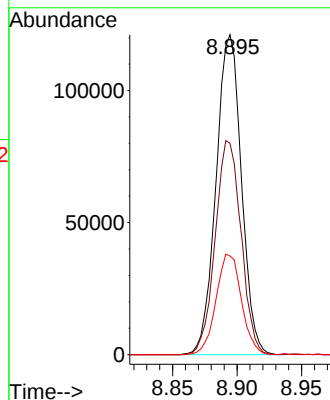
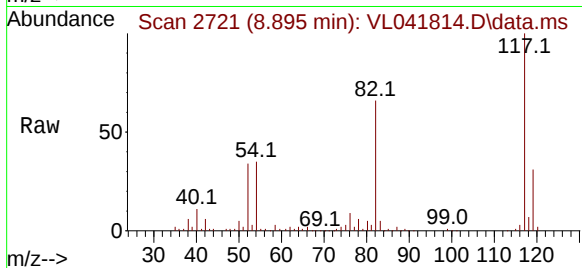
Tgt Ion:117 Resp: 165578

Ion Ratio Lower Upper

117 100

82 68.2 53.8 80.8

119 31.6 26.7 40.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.670 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.013 min

Lab File: VL041814.D

Acq: 19 Dec 2024 02:26

Tgt Ion: 95 Resp: 133430

Ion Ratio Lower Upper

95 100

174 57.9 47.6 71.4

175 4.6 3.7 5.5

