

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041805.D
 Acq On : 18 Dec 2024 21:35
 Operator : SY/MD
 Sample : P5292-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC5

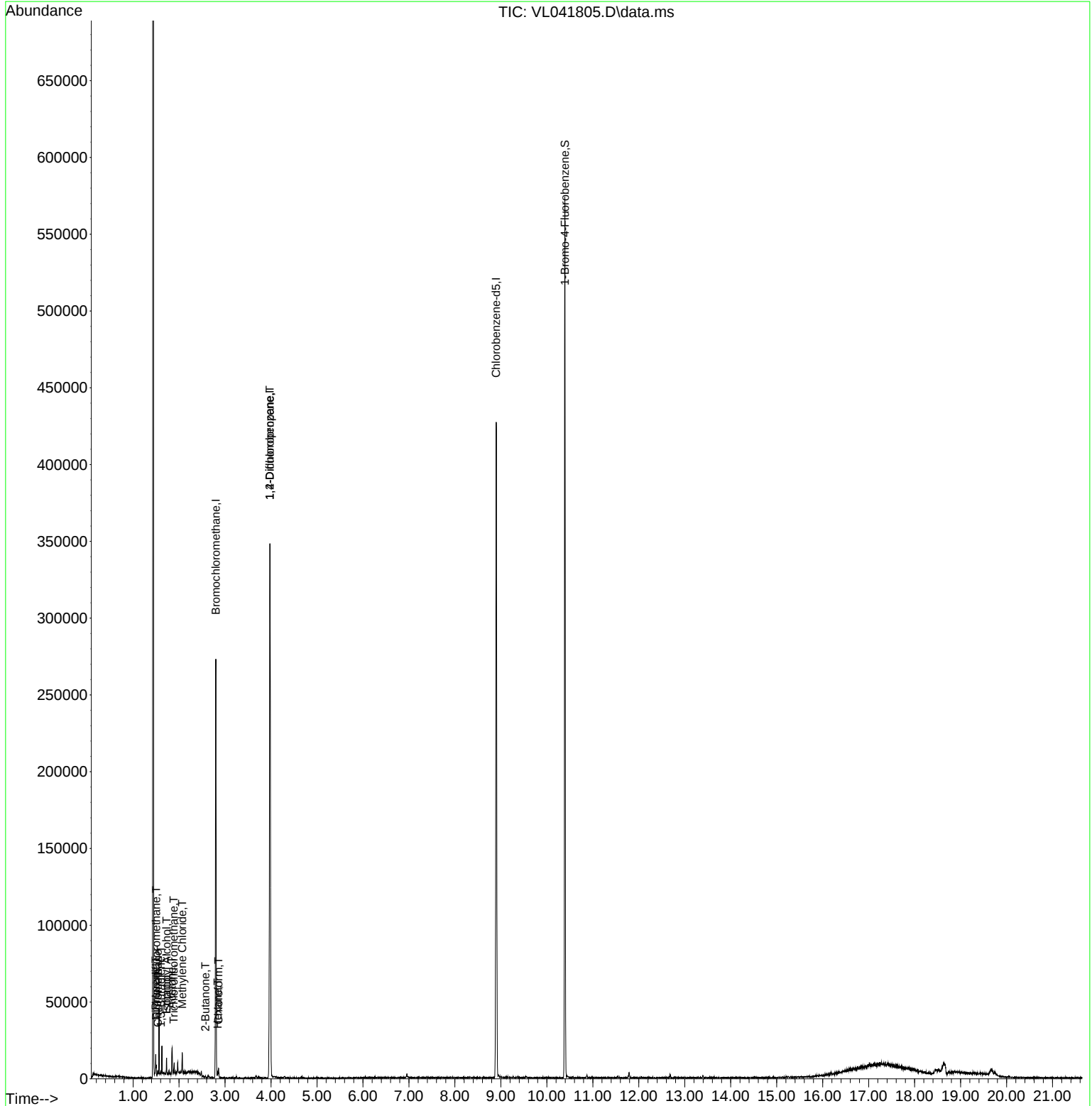
Quant Time: Dec 19 08:00:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

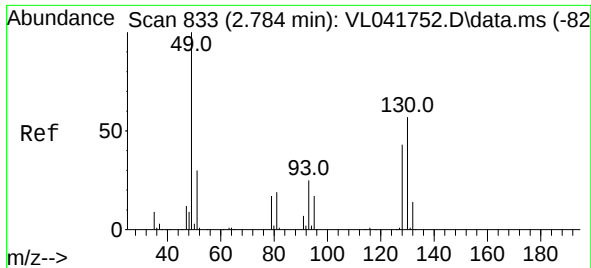
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	73784	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.975	114	176556	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.898	117	151082	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	126391	10.039	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	1437	0.109	ppbv	100
4) Chloromethane	1.538	50	553	0.108	ppbv #	84
9) Propene	1.492	41	1458	0.280	ppbv	97
11) Trichlorofluoromethane	1.884	101	712	0.051	ppbv	100
13) Ethanol	1.729	45	3015	6.982	ppbv #	34
15) Acetone	1.842	43	7498	0.522	ppbv	93
16) 1,3-Butadiene	1.606	39	479	0.085	ppbv #	13
19) Isopropyl Alcohol	1.729	45	3015	0.350	ppbv #	66
20) Methylene Chloride	2.069	84	1545	0.377	ppbv #	95
26) Hexane	2.842	57	596	0.059	ppbv #	42
29) Chloroform	2.858	83	1860	0.120	ppbv	92
34) 2-Butanone	2.573	43	582	0.041	ppbv #	89
39) 1,2-Dichloropropane	3.975	63	50950	7.714	ppbv #	17

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

Quant Time: Dec 19 08:00:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

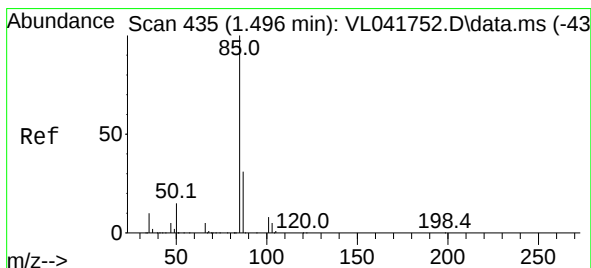
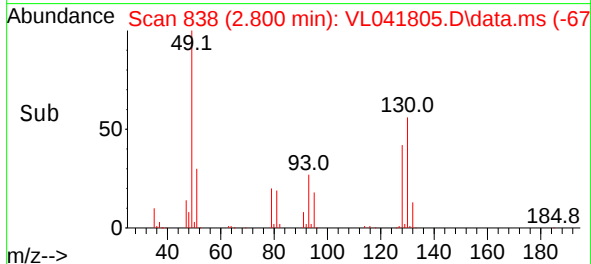
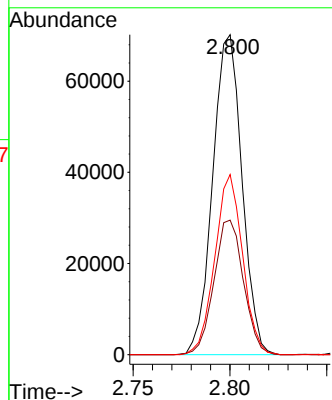
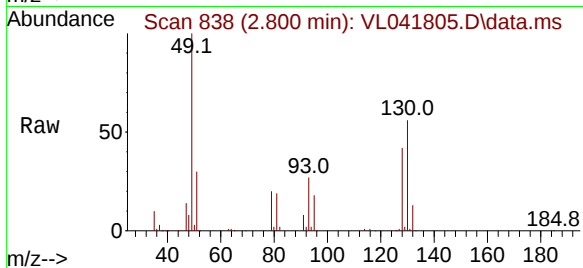




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 833
Delta R.T. 0.016 min
Lab File: VL041805.D
Acq: 18 Dec 2024 21:35

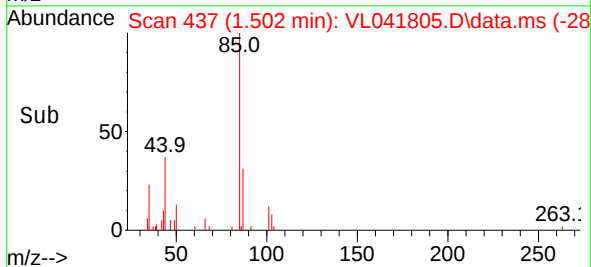
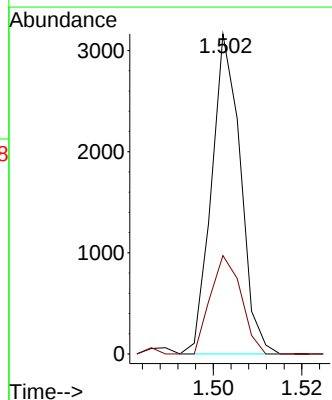
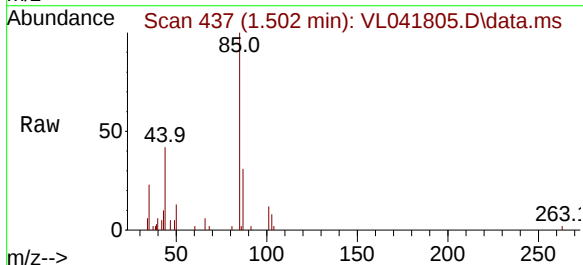
Instrument :
MSVOA_L
ClientSampleId :
C0AC5

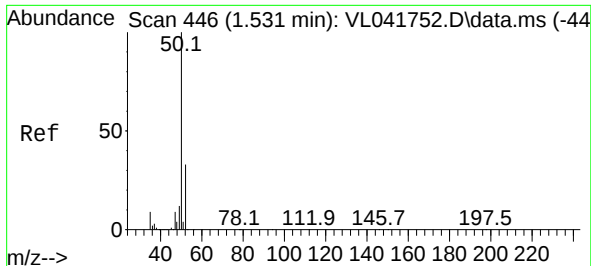
Tgt Ion: 49 Resp: 73784
Ion Ratio Lower Upper
49 100
128 42.5 21.6 64.6
130 53.4 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 0.109 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL041805.D
Acq: 18 Dec 2024 21:35

Tgt Ion: 85 Resp: 1437
Ion Ratio Lower Upper
85 100
87 30.8 24.5 36.7

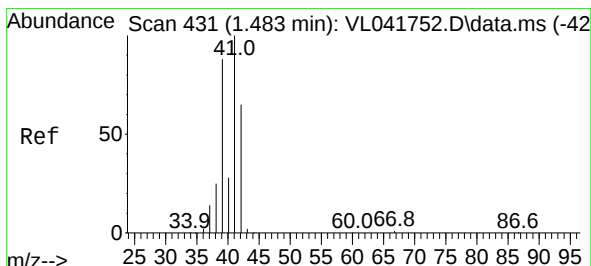
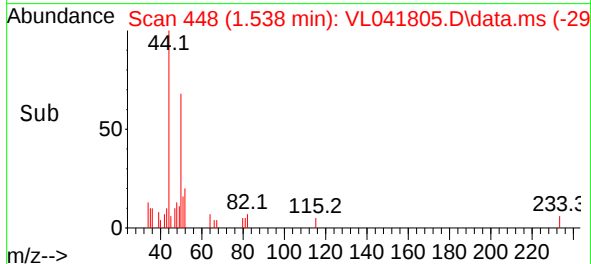
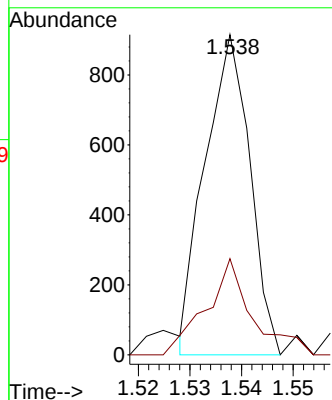
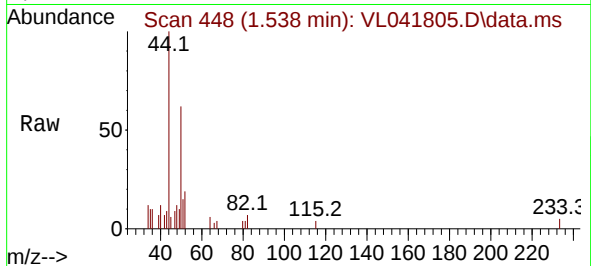




#4
Chloromethane
Concen: 0.108 ppbv
RT: 1.538 min Scan# 446
Delta R.T. 0.006 min
Lab File: VL041805.D
Acq: 18 Dec 2024 21:35

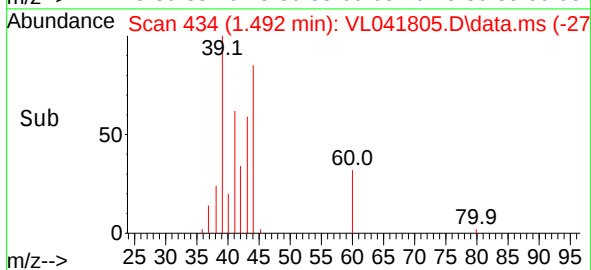
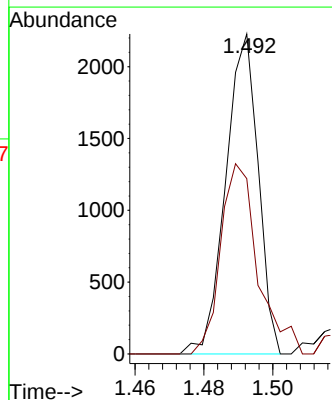
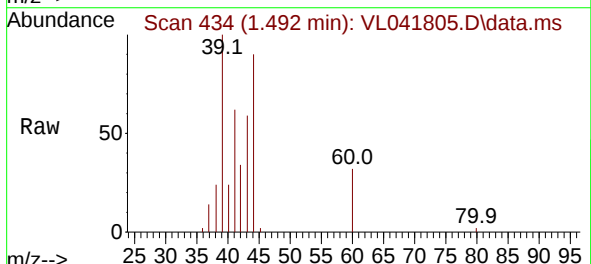
Instrument :
MSVOA_L
ClientSampleId :
C0AC5

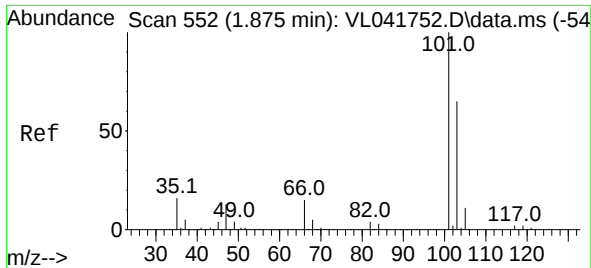
Tgt Ion: 50 Resp: 553
Ion Ratio Lower Upper
50 100
52 23.9 26.2 39.2#



#9
Propene
Concen: 0.280 ppbv
RT: 1.492 min Scan# 434
Delta R.T. 0.010 min
Lab File: VL041805.D
Acq: 18 Dec 2024 21:35

Tgt Ion: 41 Resp: 1458
Ion Ratio Lower Upper
41 100
42 68.1 52.4 78.6





#11

Trichlorofluoromethane

Concen: 0.051 ppbv

RT: 1.884 min Scan# 50

Delta R.T. 0.010 min

Lab File: VL041805.D

Acq: 18 Dec 2024 21:35

Instrument :

MSVOA_L

ClientSampleId :

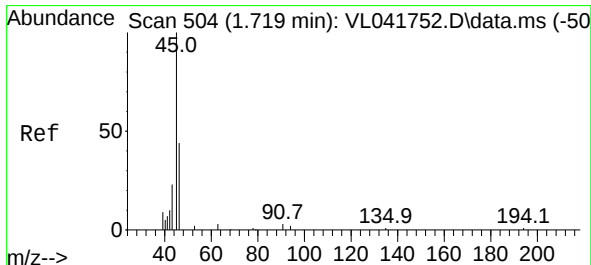
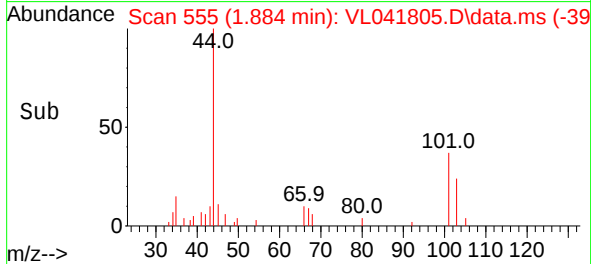
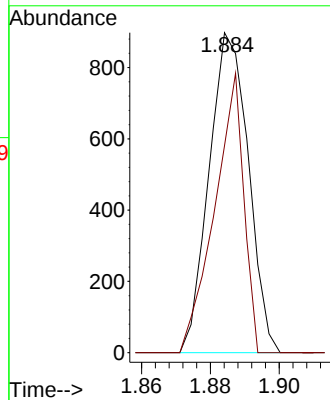
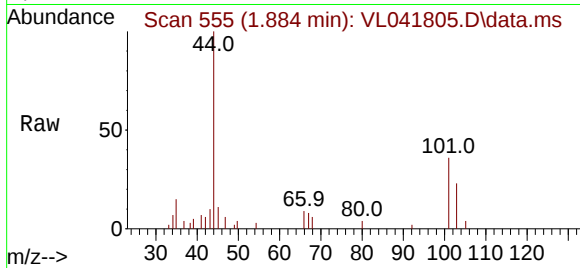
C0AC5

Tgt Ion:101 Resp: 712

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.8



#13

Ethanol

Concen: 6.982 ppbv

RT: 1.729 min Scan# 507

Delta R.T. 0.010 min

Lab File: VL041805.D

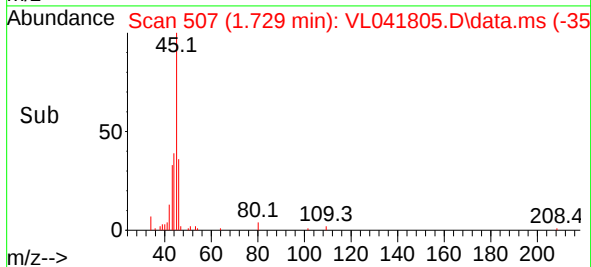
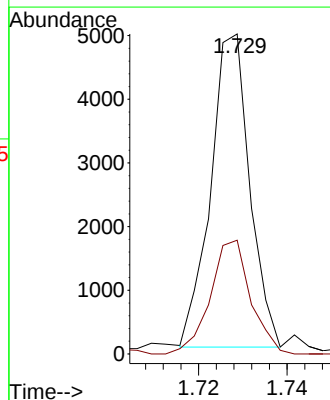
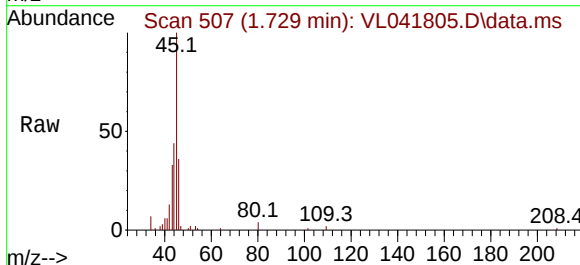
Acq: 18 Dec 2024 21:35

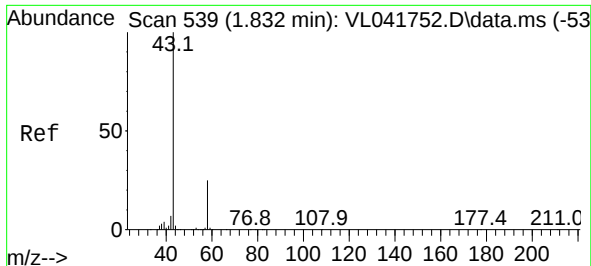
Tgt Ion: 45 Resp: 3015

Ion Ratio Lower Upper

45 100

46 0.0 16.4 65.8#





#15

Acetone

Concen: 0.522 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.010 min

Lab File: VL041805.D

Acq: 18 Dec 2024 21:35

Instrument :

MSVOA_L

ClientSampleId :

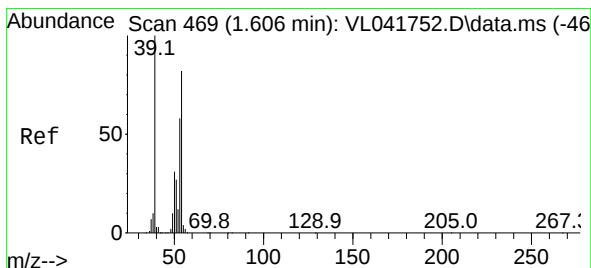
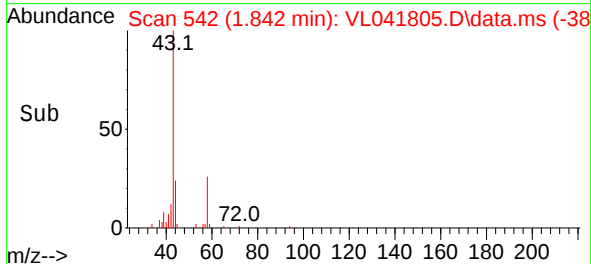
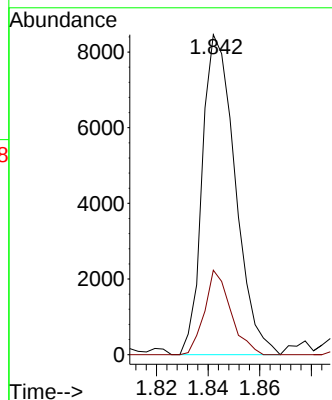
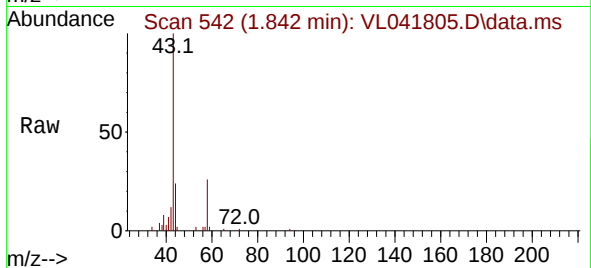
C0AC5

Tgt Ion: 43 Resp: 7498

Ion Ratio Lower Upper

43 100

58 21.0 19.7 29.5



#16

1,3-Butadiene

Concen: 0.085 ppbv

RT: 1.606 min Scan# 469

Delta R.T. -0.000 min

Lab File: VL041805.D

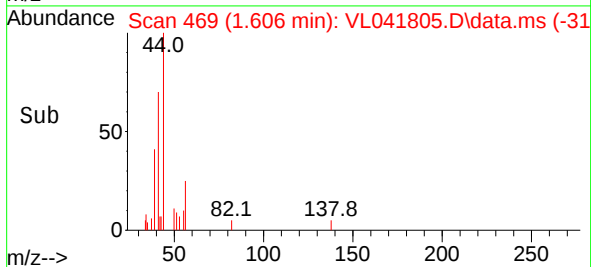
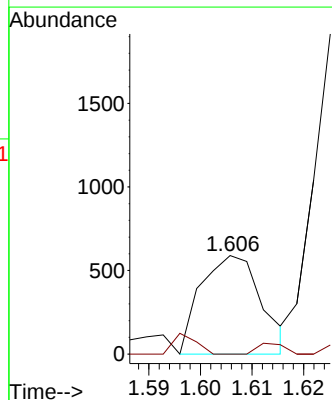
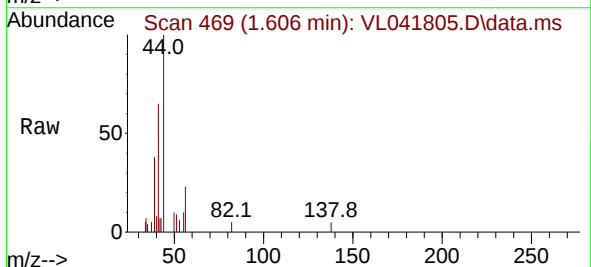
Acq: 18 Dec 2024 21:35

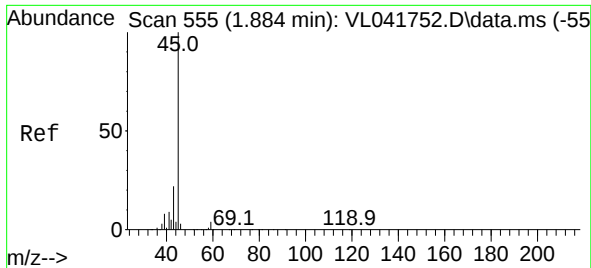
Tgt Ion: 39 Resp: 479

Ion Ratio Lower Upper

39 100

54 0.0 58.4 87.6#





#19

Isopropyl Alcohol

Concen: 0.350 ppbv

RT: 1.729 min Scan# 51

Delta R.T. -0.156 min

Lab File: VL041805.D

Acq: 18 Dec 2024 21:35

Instrument :

MSVOA_L

ClientSampleId :

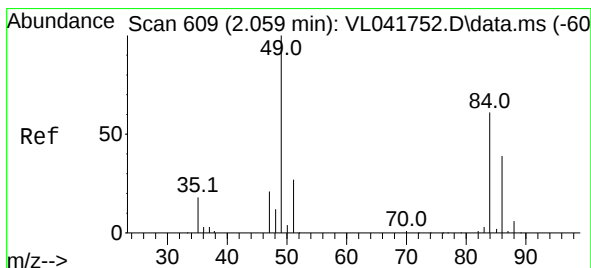
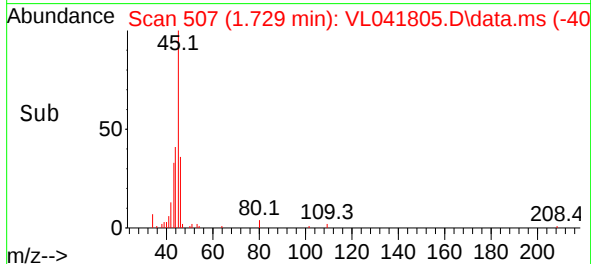
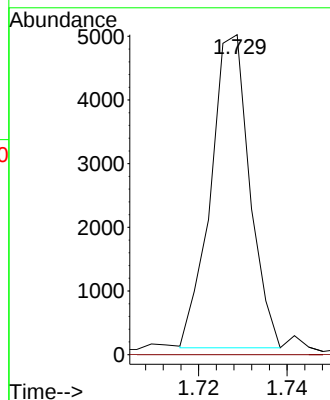
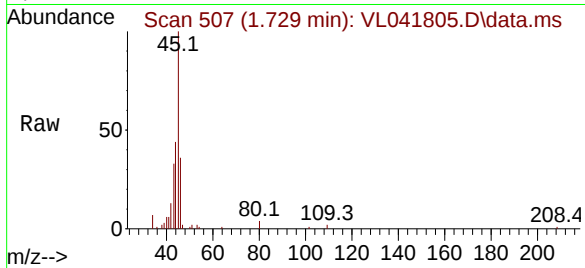
C0AC5

Tgt Ion: 45 Resp: 3015

Ion Ratio Lower Upper

45 100

58 20.4 33.3 49.9#



#20

Methylene Chloride

Concen: 0.377 ppbv

RT: 2.069 min Scan# 612

Delta R.T. 0.010 min

Lab File: VL041805.D

Acq: 18 Dec 2024 21:35

Tgt Ion: 84 Resp: 1545

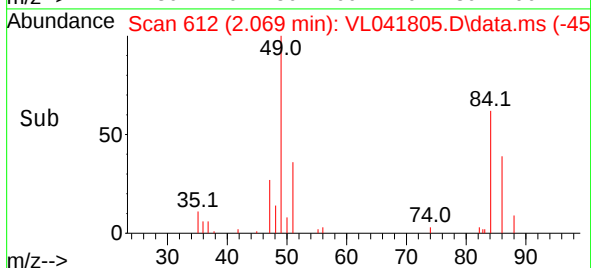
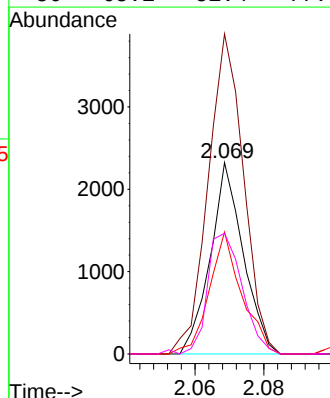
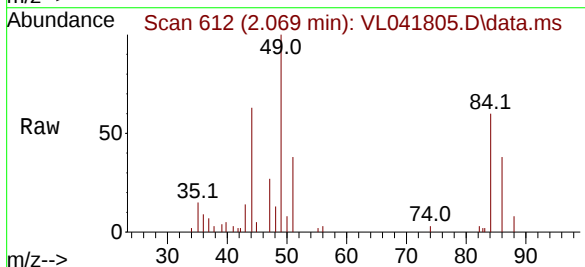
Ion Ratio Lower Upper

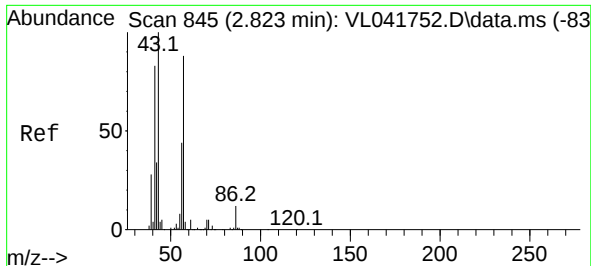
84 100

49 167.2 132.6 198.8

51 63.7 37.6 56.4#

86 63.1 51.4 77.0





#26

Hexane

Concen: 0.059 ppbv

RT: 2.842 min Scan# 845

Delta R.T. 0.019 min

Lab File: VL041805.D

Acq: 18 Dec 2024 21:35

Instrument :

MSVOA_L

ClientSampleId :

C0AC5

Tgt Ion: 57 Resp: 596

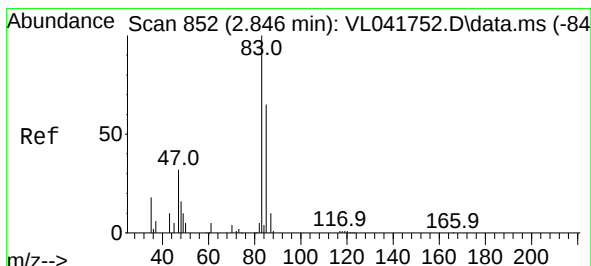
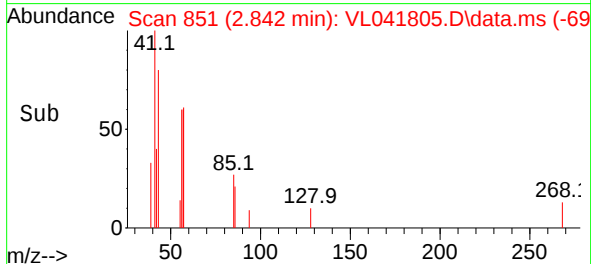
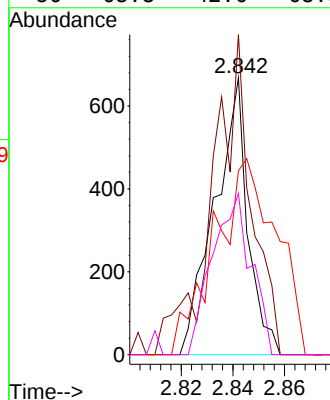
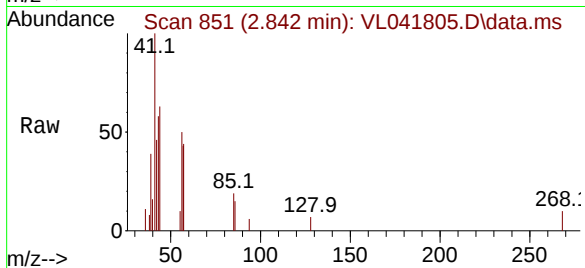
Ion Ratio Lower Upper

57 100

41 137.2 79.6 119.4#

43 131.4 211.0 316.6#

56 68.3 42.6 63.8#



#29

Chloroform

Concen: 0.120 ppbv

RT: 2.858 min Scan# 856

Delta R.T. 0.013 min

Lab File: VL041805.D

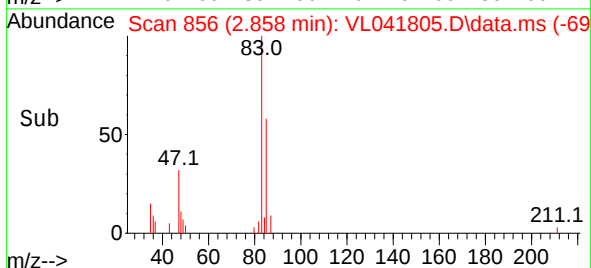
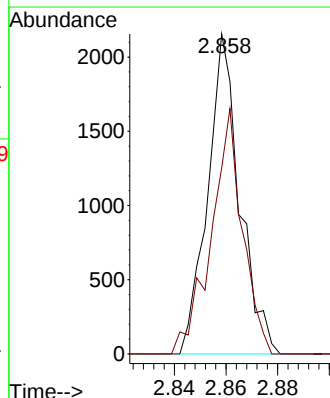
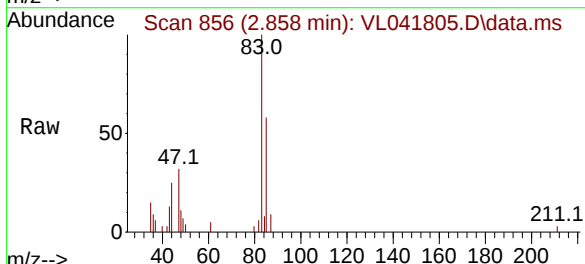
Acq: 18 Dec 2024 21:35

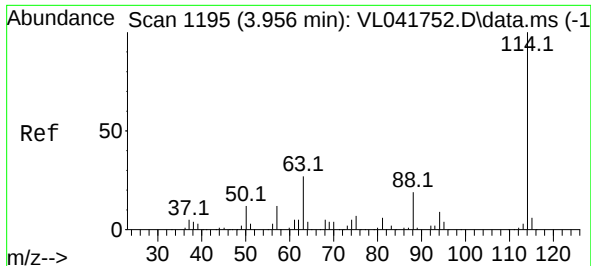
Tgt Ion: 83 Resp: 1860

Ion Ratio Lower Upper

83 100

85 58.0 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: VL041805.D

Acq: 18 Dec 2024 21:35

Instrument :

MSVOA_L

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C0AC5

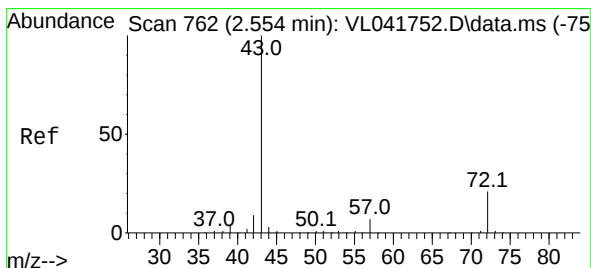
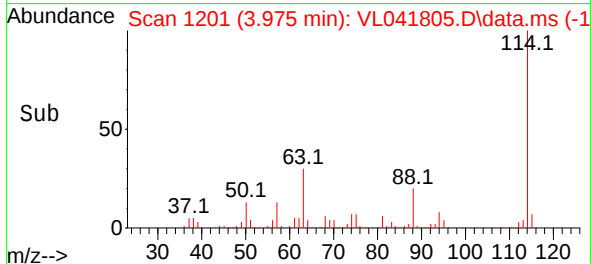
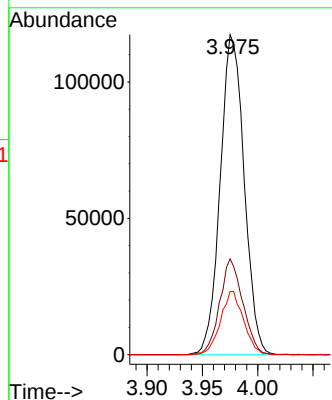
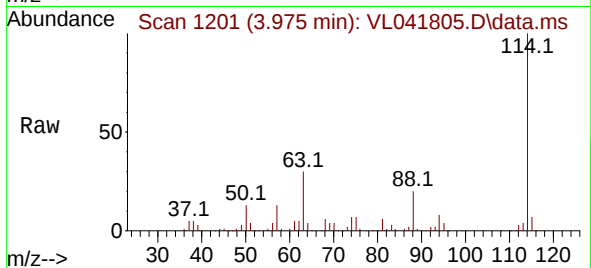
Tgt Ion:114 Resp: 176556

Ion Ratio Lower Upper

114 100

63 28.9 21.8 32.8

88 19.0 14.8 22.2



#34

2-Butanone

Concen: 0.041 ppbv

RT: 2.573 min Scan# 768

Delta R.T. 0.019 min

Lab File: VL041805.D

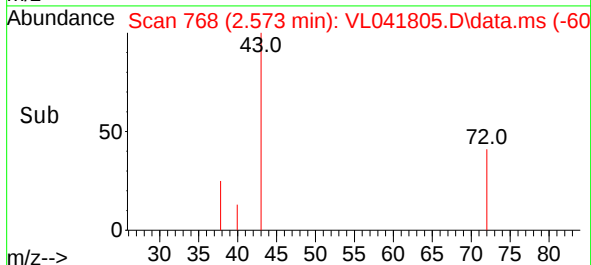
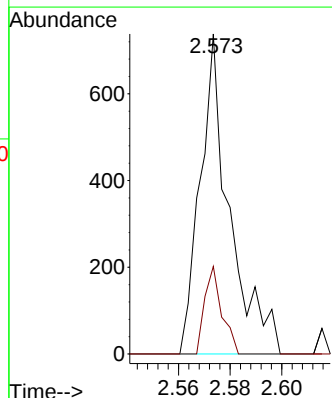
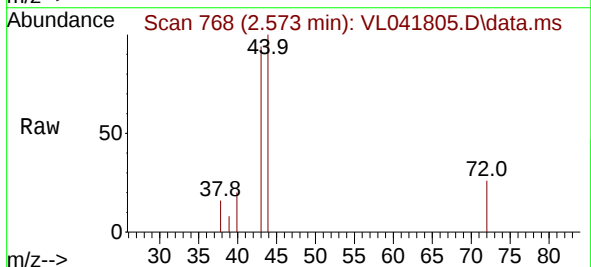
Acq: 18 Dec 2024 21:35

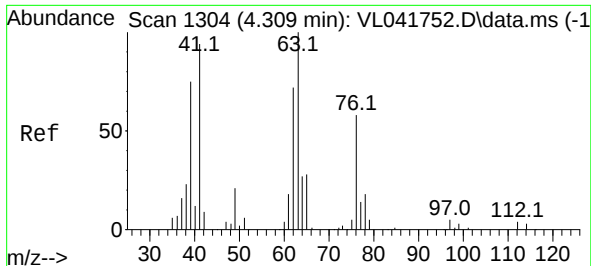
Tgt Ion: 43 Resp: 582

Ion Ratio Lower Upper

43 100

72 16.0 16.8 25.2#





#39

1,2-Dichloropropane

Concen: 7.714 ppbv

RT: 3.975 min Scan# 11

Delta R.T. -0.334 min

Lab File: VL041805.D

Acq: 18 Dec 2024 21:35

Instrument :

MSVOA_L

ClientSampleId :

C0AC5

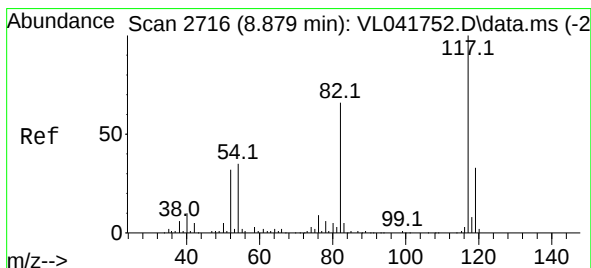
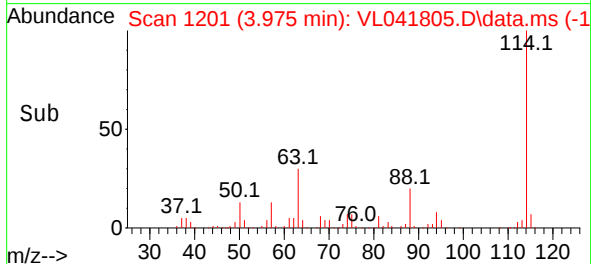
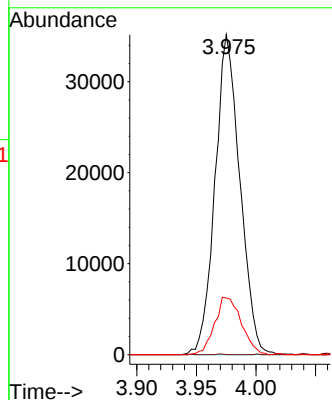
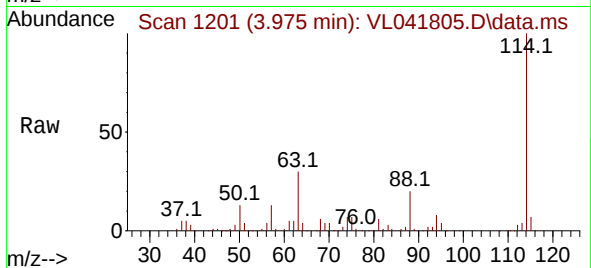
Tgt Ion: 63 Resp: 50950

Ion Ratio Lower Upper

63 100

41 0.0 75.3 112.9#

62 17.7 57.3 85.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 2722

Delta R.T. 0.019 min

Lab File: VL041805.D

Acq: 18 Dec 2024 21:35

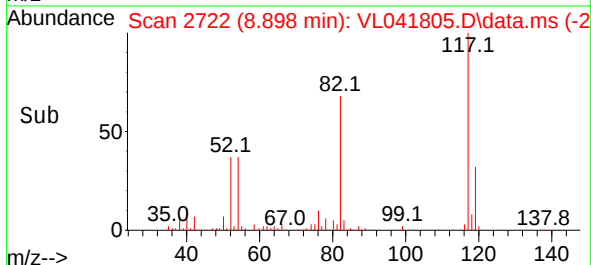
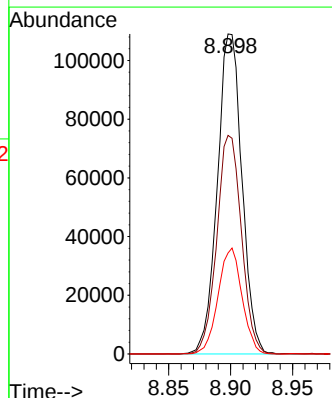
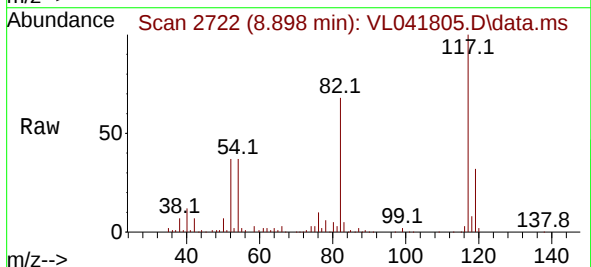
Tgt Ion:117 Resp: 151082

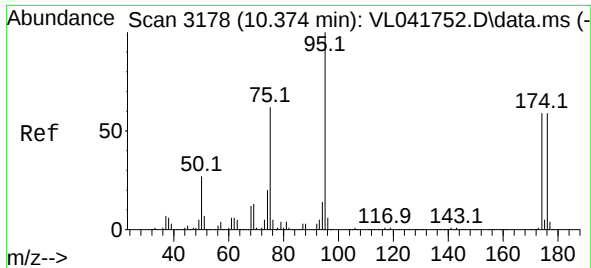
Ion Ratio Lower Upper

117 100

82 68.4 53.8 80.8

119 32.2 26.7 40.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.039 ppbv

RT: 10.393 min Scan# 3178

Delta R.T. 0.019 min

Lab File: VL041805.D

Acq: 18 Dec 2024 21:35

Instrument :

MSVOA_L

ClientSampleId :

C0AC5

Tgt Ion: 95 Resp: 126391

Ion Ratio Lower Upper

95 100

174 58.9 47.6 71.4

175 4.6 3.7 5.5

