

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121724\
 Data File : VL041772.D
 Acq On : 17 Dec 2024 10:36
 Operator : SY/MD
 Sample : VL1217ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 21 01:22:43 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

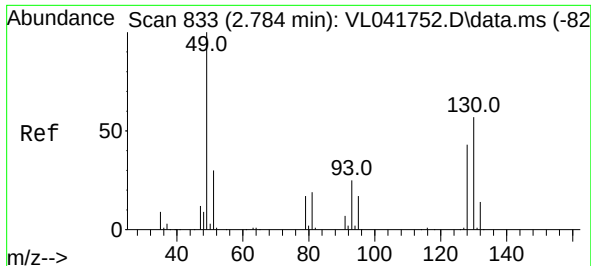
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.793	49	62306	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	165193	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	141917	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	113821	9.624	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.200%
Target Compounds						
					Qvalue	
4) Chloromethane	1.531	50	238	0.055	ppbv #	41
9) Propene	1.486	41	393	0.089	ppbv #	75
13) Ethanol	1.725	45	375	1.028	ppbv #	34
15) Acetone	1.839	43	2700	0.223	ppbv	99
16) 1,3-Butadiene	1.602	39	254	0.053	ppbv #	28
19) Isopropyl Alcohol	1.890	45	2351	0.323	ppbv #	80
20) Methylene Chloride	2.065	84	741	0.214	ppbv #	88
29) Chloroform	2.852	83	859	0.066	ppbv	85
39) 1,2-Dichloropropane	3.968	63	45197	7.313	ppbv #	17
80) Naphthalene,2-methyl-	14.471	142	285	0.061	ppbv #	91

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

Quant Time: Dec 21 01:22:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

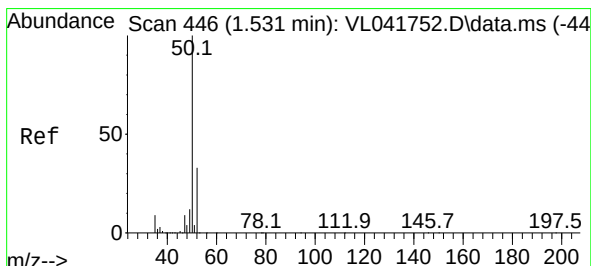
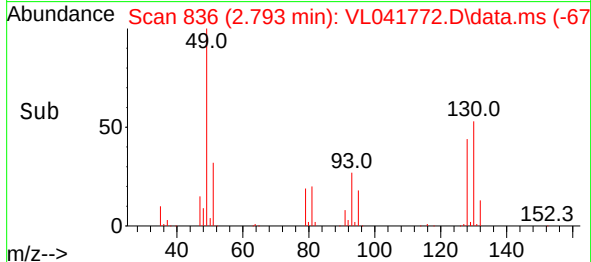
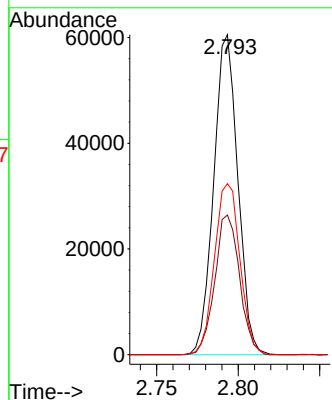
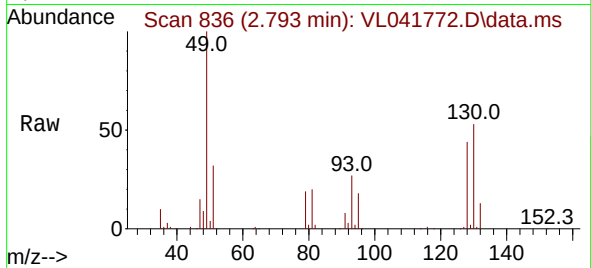




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 833
Delta R.T. 0.009 min
Lab File: VL041772.D
Acq: 17 Dec 2024 10:36

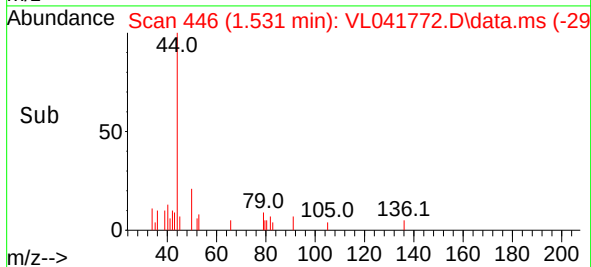
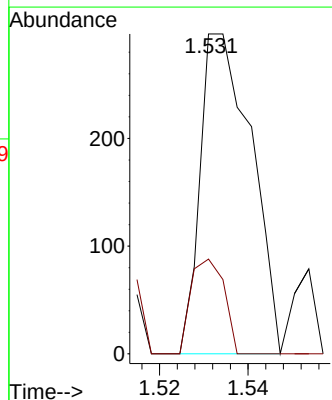
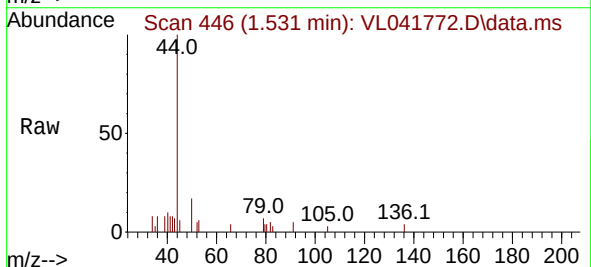
Instrument :
MSVOA_L
ClientSampleId :

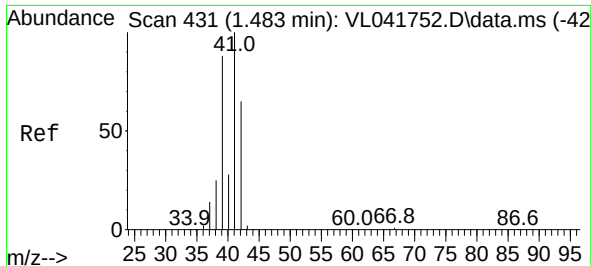
Tgt Ion: 49 Resp: 62306
Ion Ratio Lower Upper
49 100
128 44.9 21.6 64.6
130 56.4 28.3 85.0



#4
Chloromethane
Concen: 0.055 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL041772.D
Acq: 17 Dec 2024 10:36

Tgt Ion: 50 Resp: 238
Ion Ratio Lower Upper
50 100
52 65.7 26.2 39.2#





#9

Propene

Concen: 0.089 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041772.D

Acq: 17 Dec 2024 10:36

Instrument :

MSVOA_L

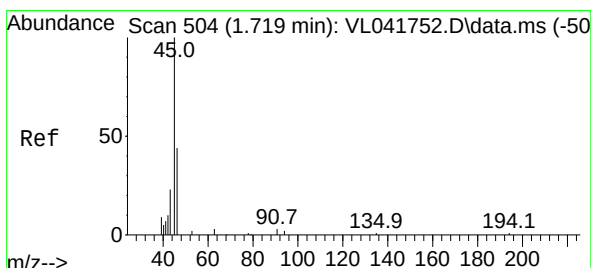
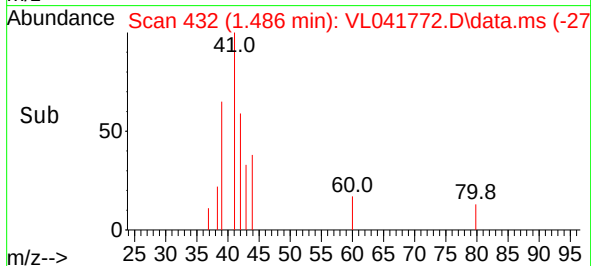
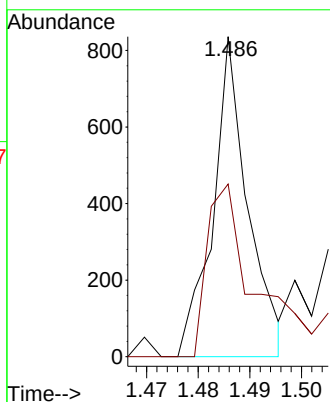
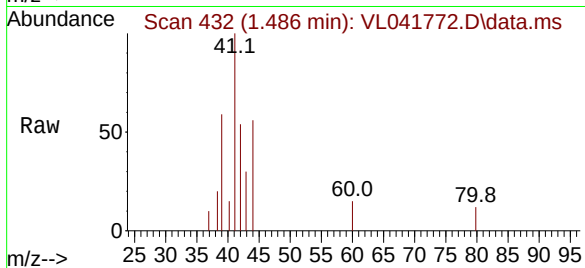
ClientSampleId :

Tgt Ion: 41 Resp: 393

Ion Ratio Lower Upper

41 100

42 85.5 52.4 78.6#



#13

Ethanol

Concen: 1.028 ppbv

RT: 1.725 min Scan# 506

Delta R.T. 0.006 min

Lab File: VL041772.D

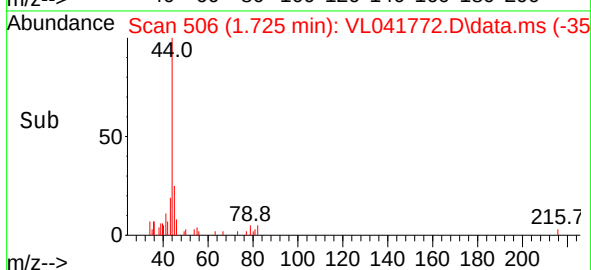
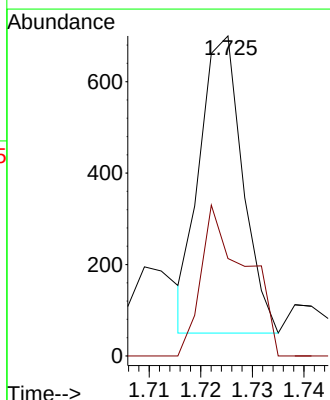
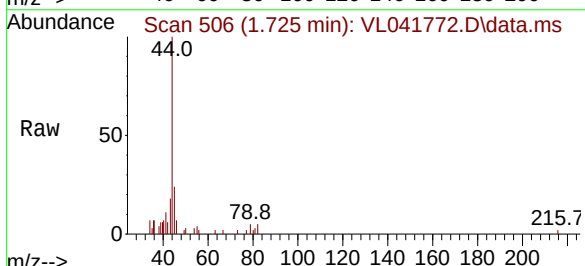
Acq: 17 Dec 2024 10:36

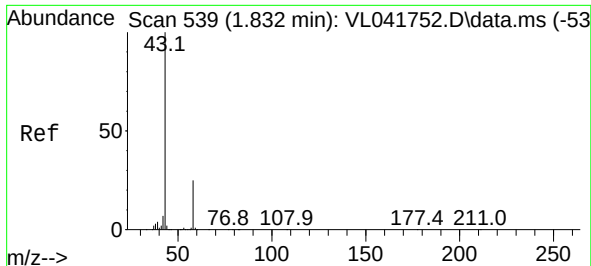
Tgt Ion: 45 Resp: 375

Ion Ratio Lower Upper

45 100

46 0.0 16.4 65.8#





#15

Acetone

Concen: 0.223 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL041772.D

Acq: 17 Dec 2024 10:36

Instrument :

MSVOA_L

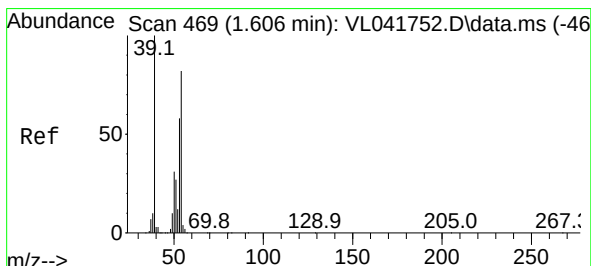
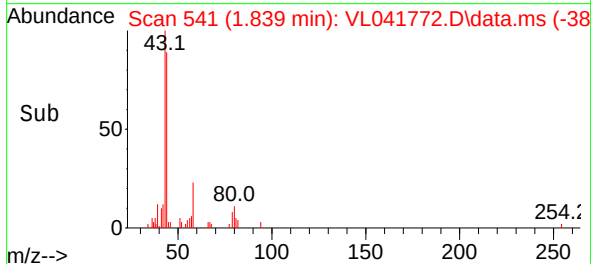
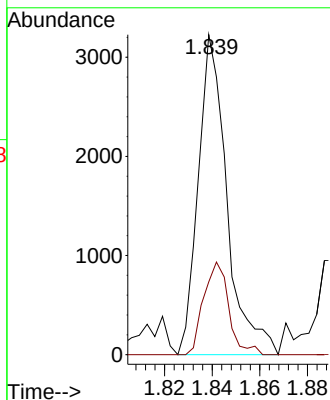
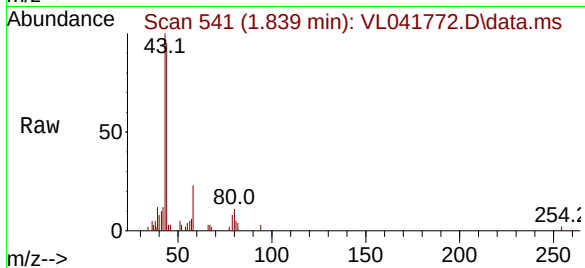
ClientSampleId :

Tgt Ion: 43 Resp: 2700

Ion Ratio Lower Upper

43 100

58 25.3 19.7 29.5



#16

1,3-Butadiene

Concen: 0.053 ppbv

RT: 1.602 min Scan# 468

Delta R.T. -0.004 min

Lab File: VL041772.D

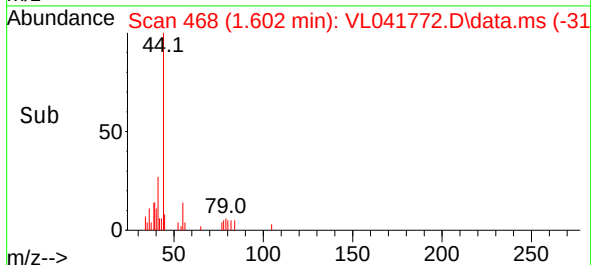
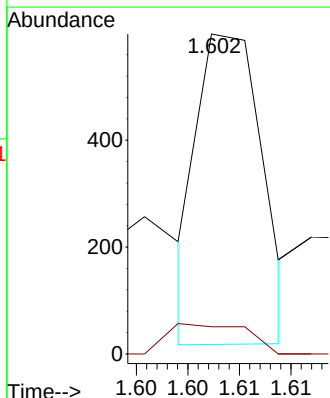
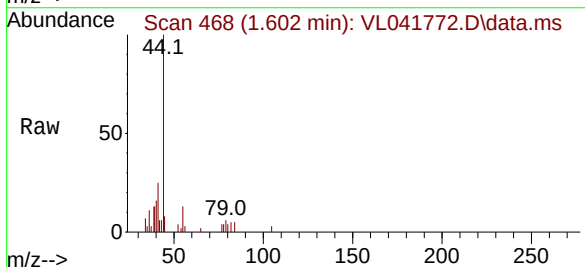
Acq: 17 Dec 2024 10:36

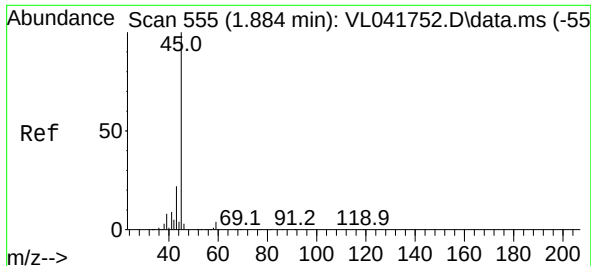
Tgt Ion: 39 Resp: 254

Ion Ratio Lower Upper

39 100

54 12.2 58.4 87.6#





#19

Isopropyl Alcohol

Concen: 0.323 ppbv

RT: 1.890 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL041772.D

Acq: 17 Dec 2024 10:36

Instrument :

MSVOA_L

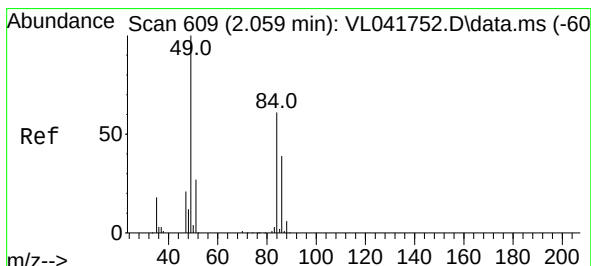
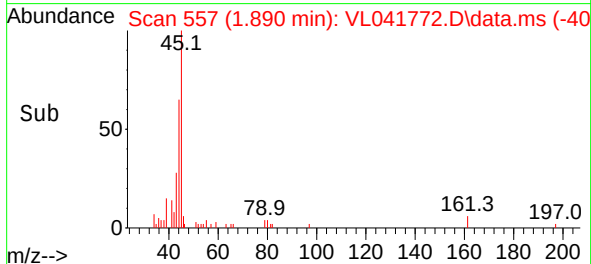
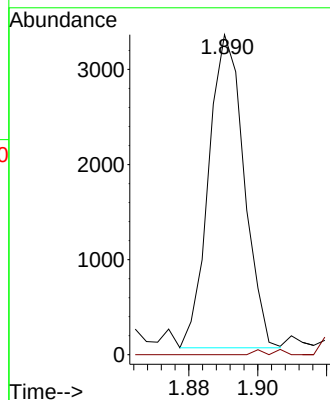
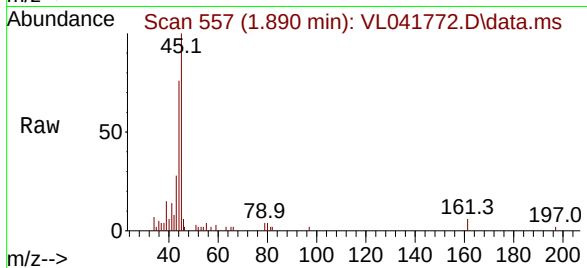
ClientSampleId :

Tgt Ion: 45 Resp: 2351

Ion Ratio Lower Upper

45 100

58 29.1 33.3 49.9#



#20

Methylene Chloride

Concen: 0.214 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL041772.D

Acq: 17 Dec 2024 10:36

Tgt Ion: 84 Resp: 741

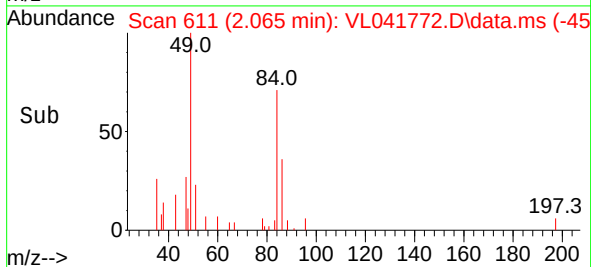
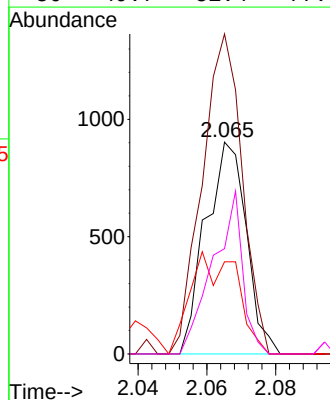
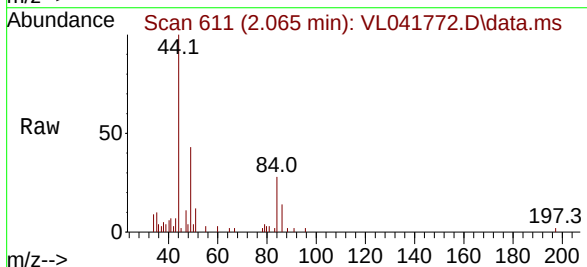
Ion Ratio Lower Upper

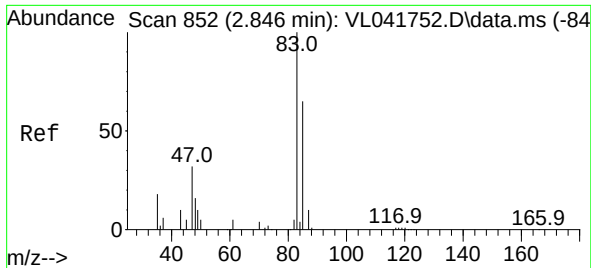
84 100

49 151.1 132.6 198.8

51 43.5 37.6 56.4

86 49.7 51.4 77.0#





#29

Chloroform

Concen: 0.066 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.006 min

Lab File: VL041772.D

Acq: 17 Dec 2024 10:36

Instrument :

MSVOA_L

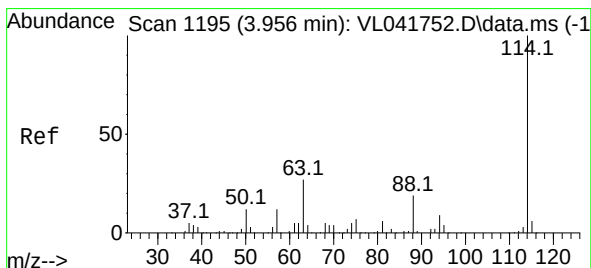
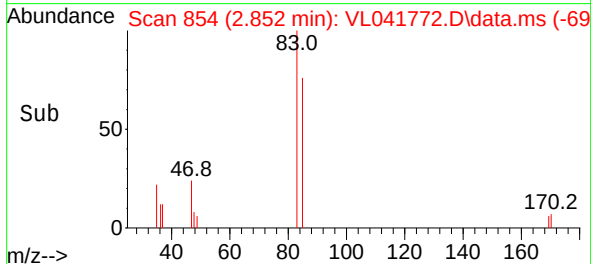
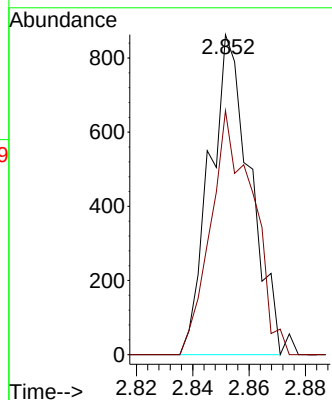
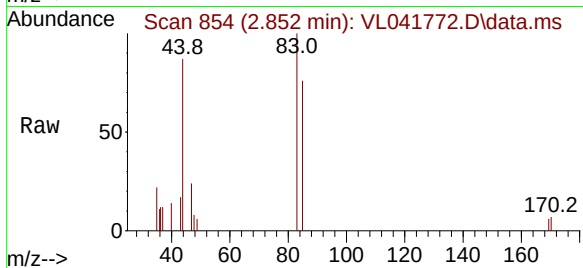
ClientSampleId :

Tgt Ion: 83 Resp: 859

Ion Ratio Lower Upper

83 100

85 76.2 51.8 77.6



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.009 min

Lab File: VL041772.D

Acq: 17 Dec 2024 10:36

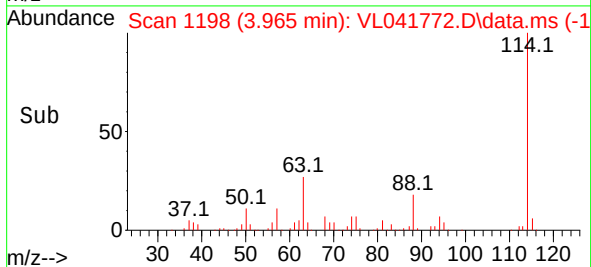
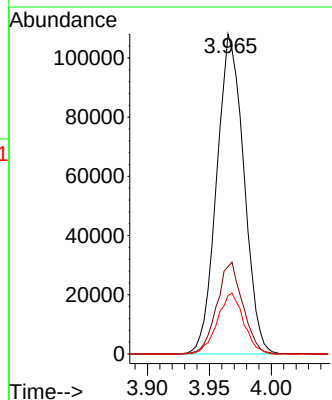
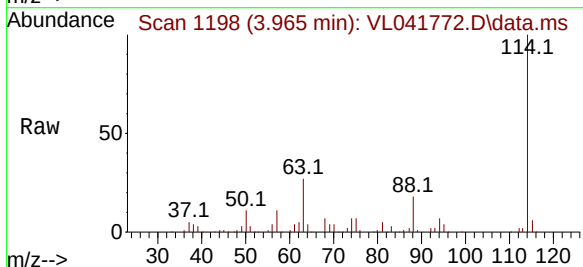
Tgt Ion: 114 Resp: 165193

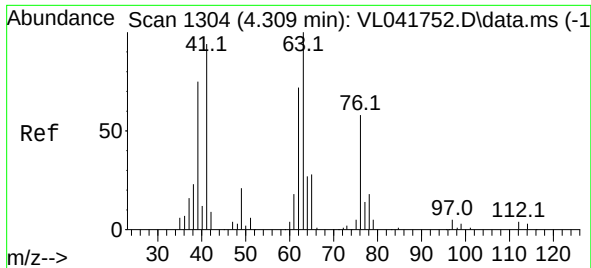
Ion Ratio Lower Upper

114 100

63 27.4 21.8 32.8

88 18.4 14.8 22.2

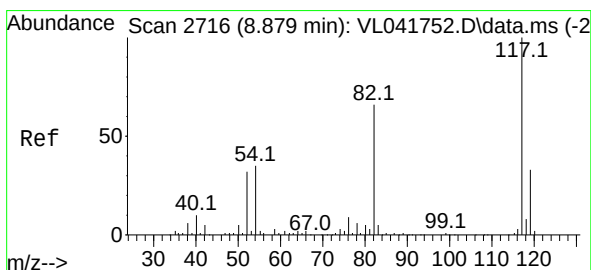
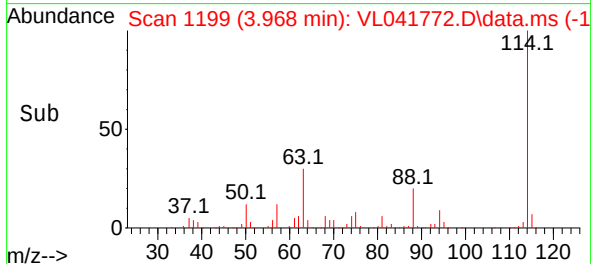
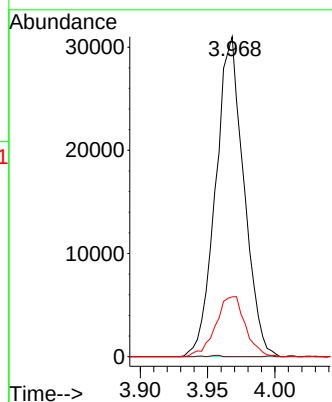
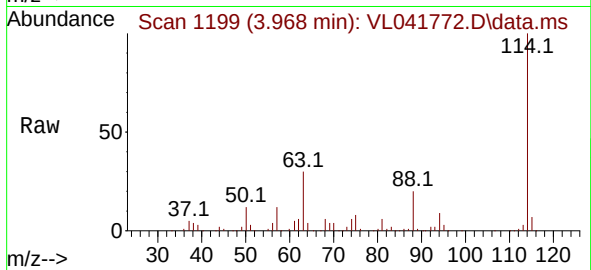




#39
1,2-Dichloropropane
Concen: 7.313 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.340 min
Lab File: VL041772.D
Acq: 17 Dec 2024 10:36

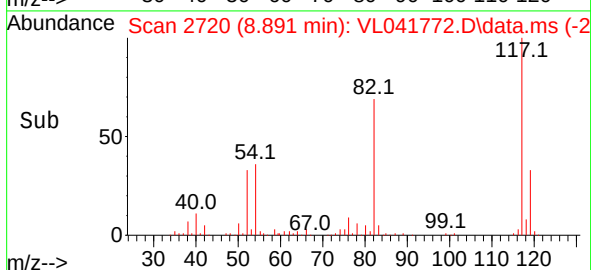
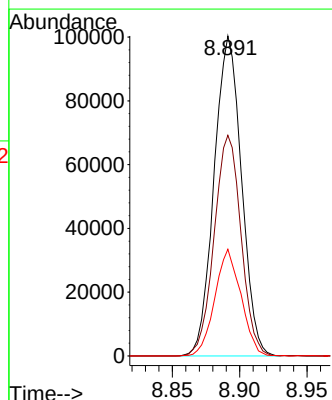
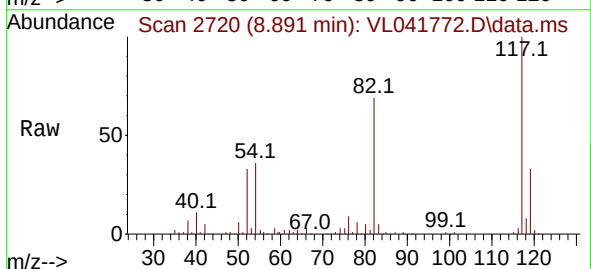
Instrument :
MSVOA_L
ClientSampleId :

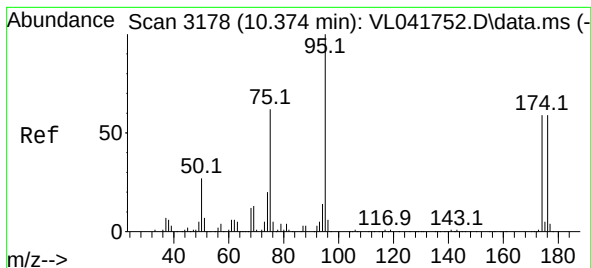
Tgt Ion: 63 Resp: 45197
Ion Ratio Lower Upper
63 100
41 0.0 75.3 112.9#
62 18.7 57.3 85.9#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.013 min
Lab File: VL041772.D
Acq: 17 Dec 2024 10:36

Tgt Ion:117 Resp: 141917
Ion Ratio Lower Upper
117 100
82 67.7 53.8 80.8
119 31.9 26.7 40.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.624 ppbv

RT: 10.383 min Scan# 3178

Delta R.T. 0.009 min

Lab File: VL041772.D

Acq: 17 Dec 2024 10:36

Instrument :

MSVOA_1

ClientSampleId :

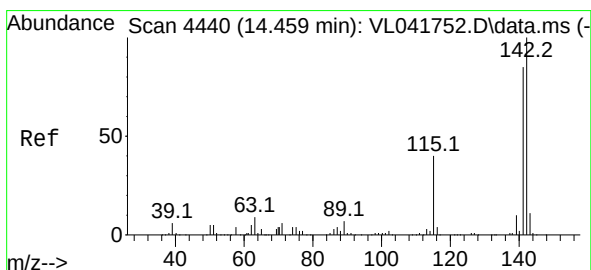
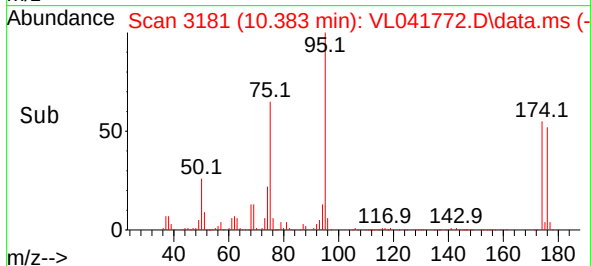
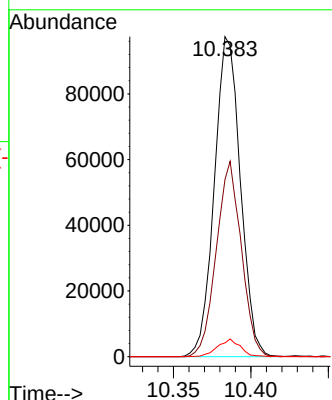
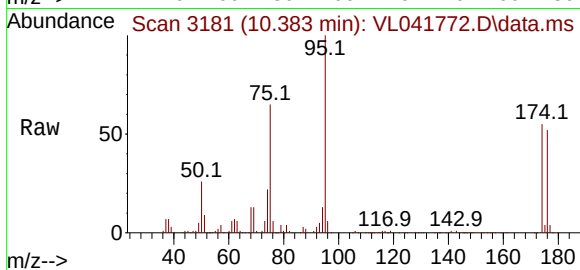
Tgt Ion: 95 Resp: 113821

Ion Ratio Lower Upper

95 100

174 58.7 47.6 71.4

175 4.9 3.7 5.5



#80

Naphthalene, 2-methyl-

Concen: 0.061 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. 0.013 min

Lab File: VL041772.D

Acq: 17 Dec 2024 10:36

Tgt Ion: 142 Resp: 285

Ion Ratio Lower Upper

142 100

141 83.9 68.4 102.6

115 55.4 32.5 48.7#

