

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121724\
 Data File : VL041782.D
 Acq On : 17 Dec 2024 16:48
 Operator : SY/MD
 Sample : QC120324 CAN 10279
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 21 01:23:44 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)

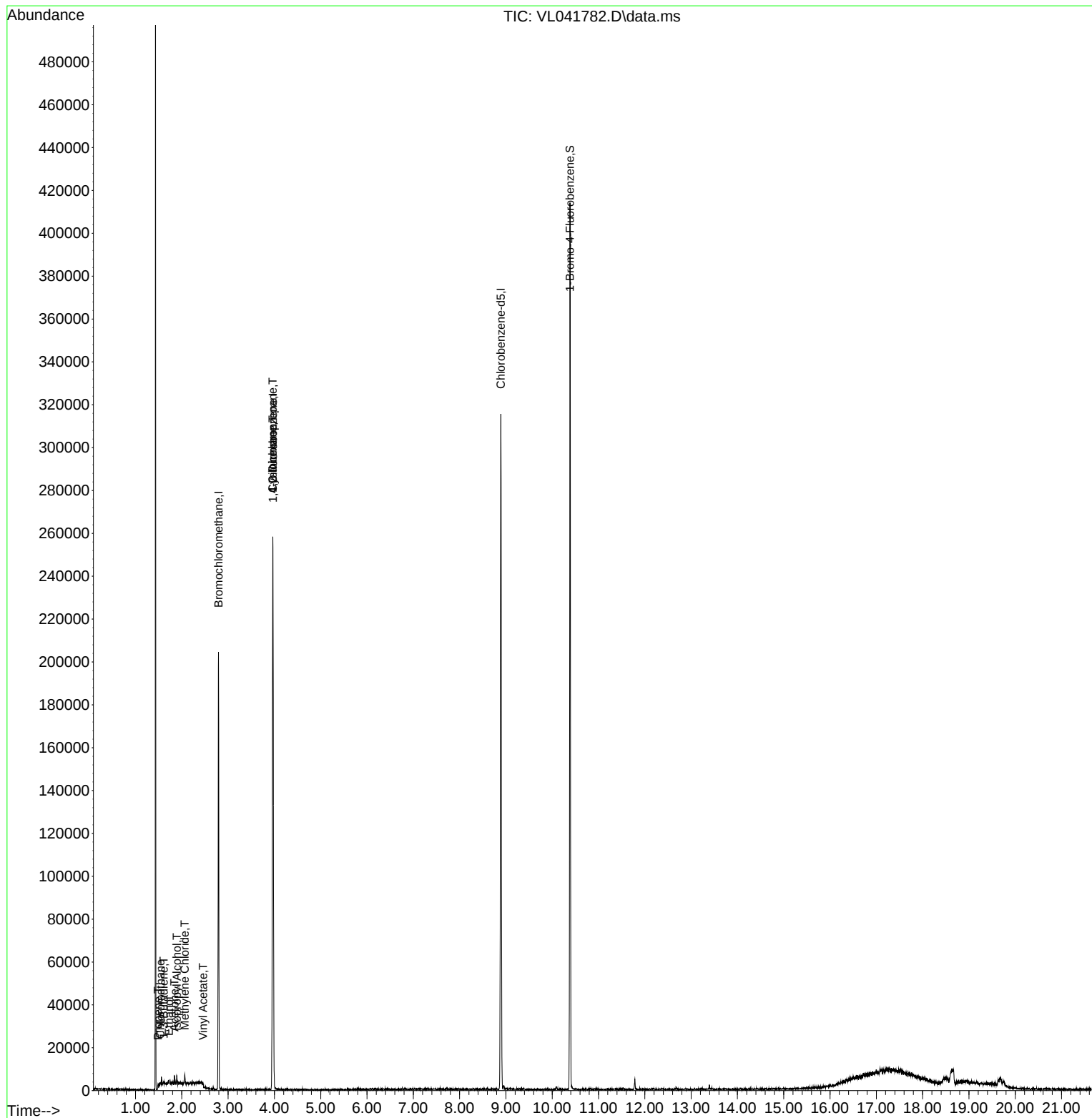
Internal Standards						
1) Bromochloromethane	2.793	49	52249	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	133574	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.888	117	111625	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	92764	9.972	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%
Target Compounds						
					Qvalue	
4) Chloromethane	1.534	50	142	0.039	ppbv	92
9) Propene	1.486	41	328	0.089	ppbv	87
13) Ethanol	1.722	45	291	0.952	ppbv	93
15) Acetone	1.838	43	2050	0.202	ppbv	97
16) 1,3-Butadiene	1.612	39	258	0.064	ppbv #	34
19) Isopropyl Alcohol	1.890	45	1430	0.234	ppbv #	37
20) Methylene Chloride	2.065	84	545	0.188	ppbv #	73
23) Vinyl Acetate	2.460	43	333	0.071	ppbv #	1
30) Cyclohexane	3.965	84	910	0.149	ppbv #	1
39) 1,2-Dichloropropane	3.965	63	36635	7.331	ppbv #	19

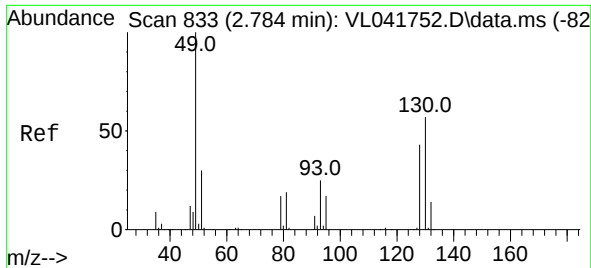
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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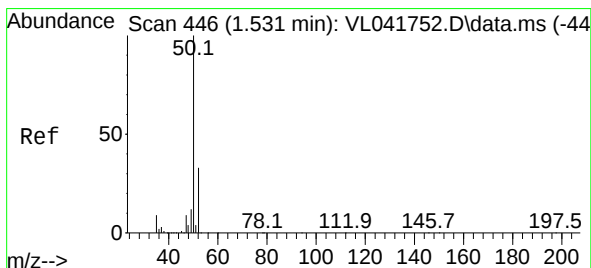
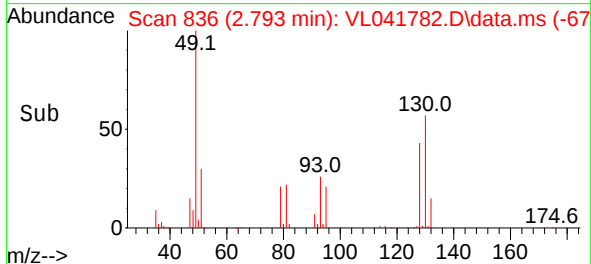
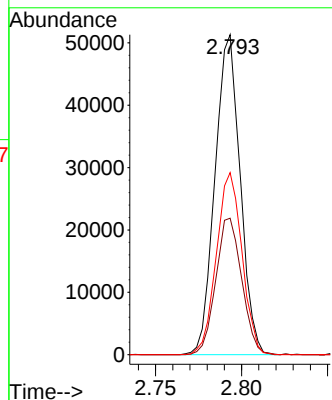
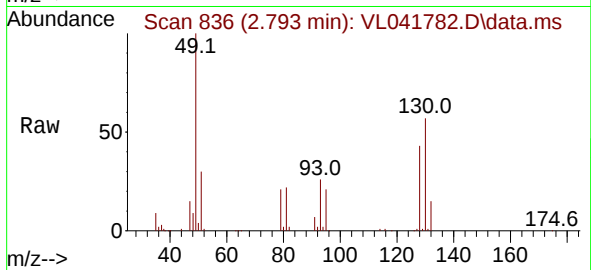




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 834
Delta R.T. 0.009 min
Lab File: VL041782.D
Acq: 17 Dec 2024 16:48

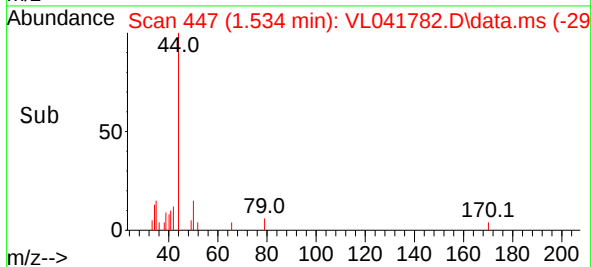
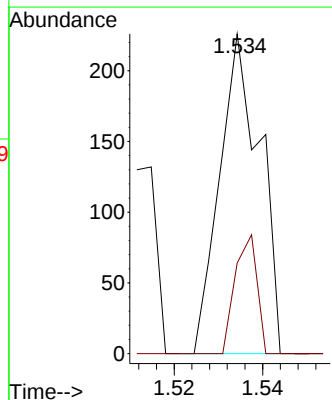
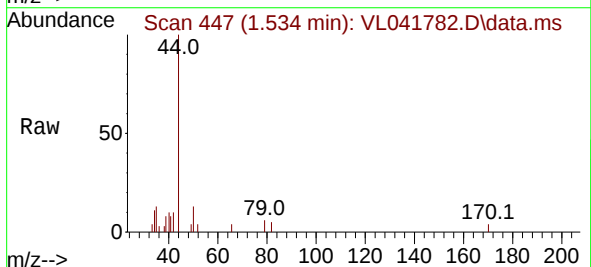
Instrument :
MSVOA_L
ClientSampleId :

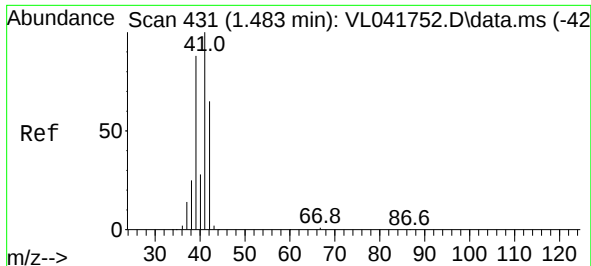
Tgt Ion: 49 Resp: 52249
Ion Ratio Lower Upper
49 100
128 43.9 21.6 64.6
130 57.8 28.3 85.0



#4
Chloromethane
Concen: 0.039 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041782.D
Acq: 17 Dec 2024 16:48

Tgt Ion: 50 Resp: 142
Ion Ratio Lower Upper
50 100
52 28.3 26.2 39.2





#9

Propene

Concen: 0.089 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041782.D

Acq: 17 Dec 2024 16:48

Instrument :

MSVOA_L

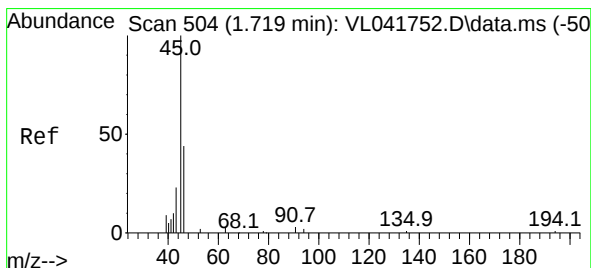
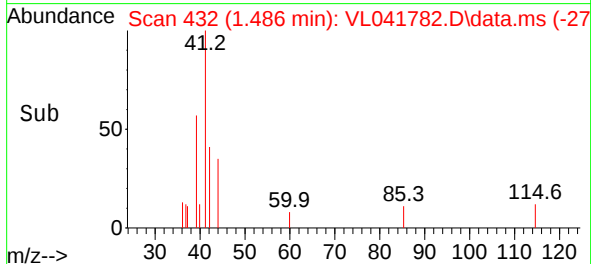
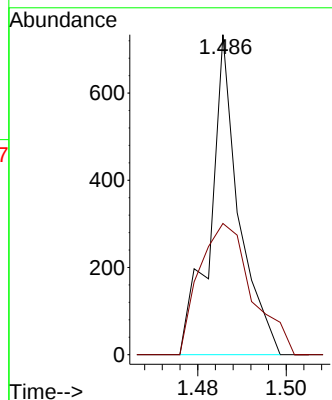
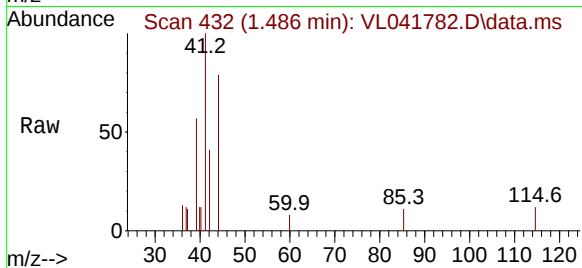
ClientSampleId :

Tgt Ion: 41 Resp: 328

Ion Ratio Lower Upper

41 100

42 75.6 52.4 78.6



#13

Ethanol

Concen: 0.952 ppbv

RT: 1.722 min Scan# 505

Delta R.T. 0.003 min

Lab File: VL041782.D

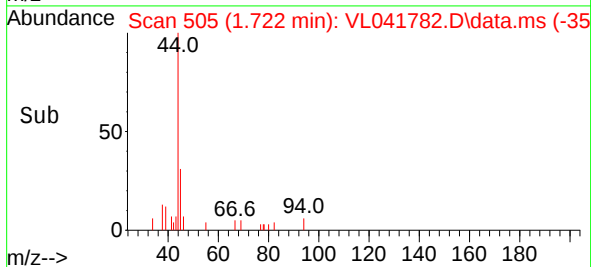
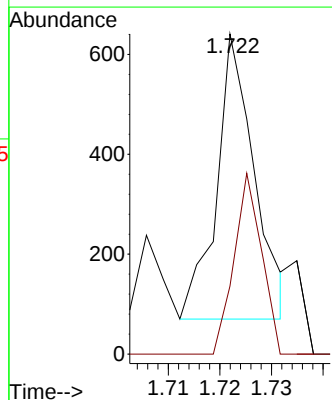
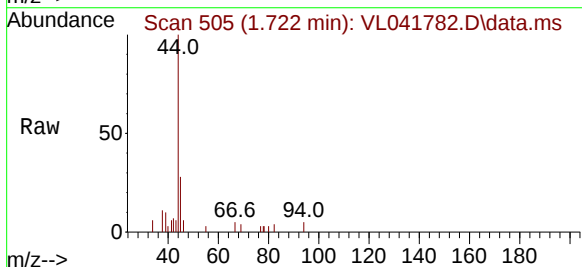
Acq: 17 Dec 2024 16:48

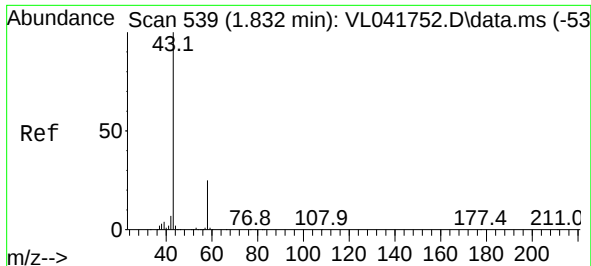
Tgt Ion: 45 Resp: 291

Ion Ratio Lower Upper

45 100

46 45.7 16.4 65.8





#15

Acetone

Concen: 0.202 ppbv

RT: 1.838 min Scan# 541

Delta R.T. 0.006 min

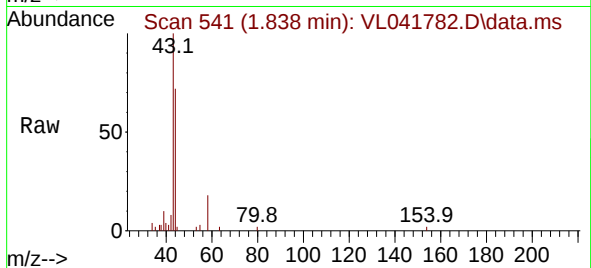
Lab File: VL041782.D

Acq: 17 Dec 2024 16:48

Instrument :

MSVOA_L

ClientSampleId :

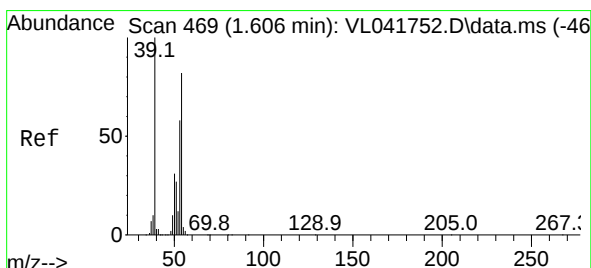
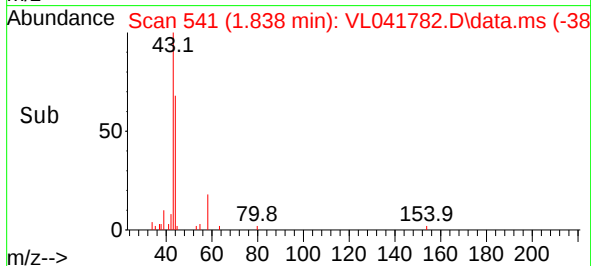
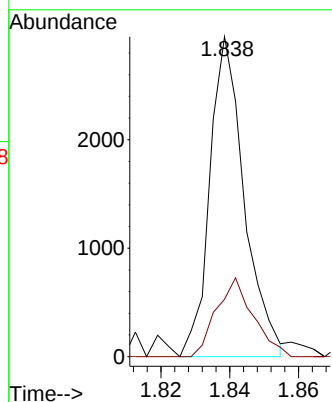


Tgt Ion: 43 Resp: 2050

Ion Ratio Lower Upper

43 100

58 26.3 19.7 29.5



#16

1,3-Butadiene

Concen: 0.064 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.006 min

Lab File: VL041782.D

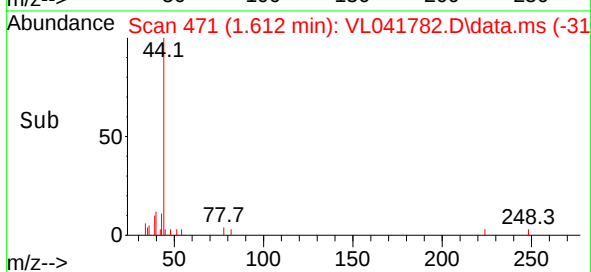
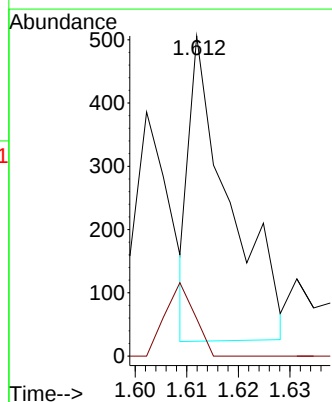
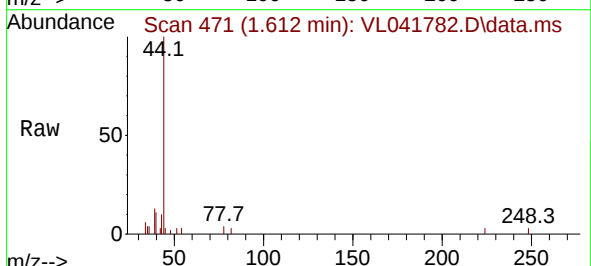
Acq: 17 Dec 2024 16:48

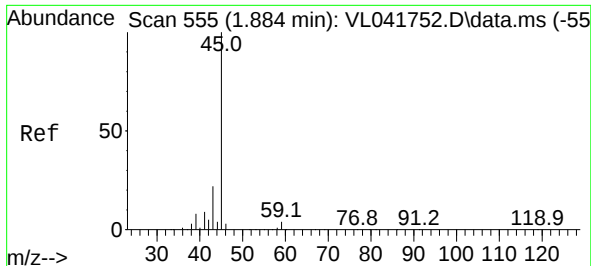
Tgt Ion: 39 Resp: 258

Ion Ratio Lower Upper

39 100

54 17.8 58.4 87.6#





#19

Isopropyl Alcohol

Concen: 0.234 ppbv

RT: 1.890 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL041782.D

Acq: 17 Dec 2024 16:48

Instrument :

MSVOA_L

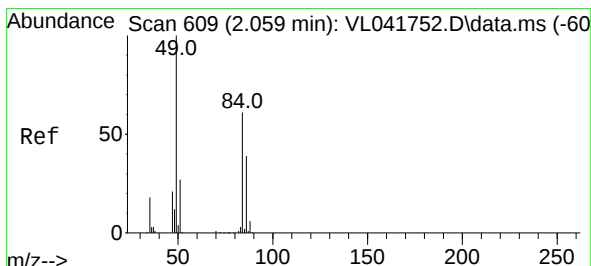
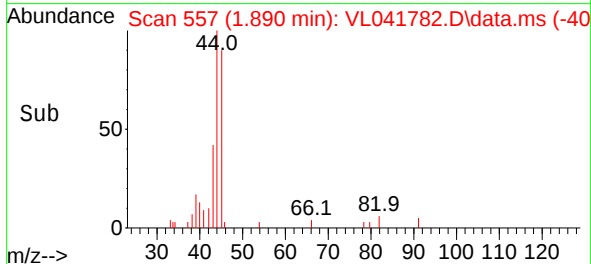
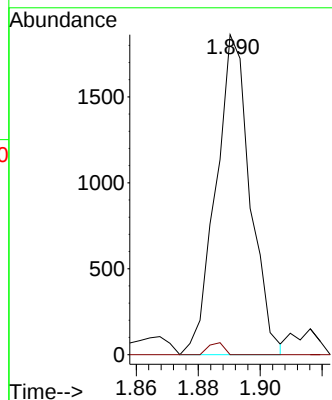
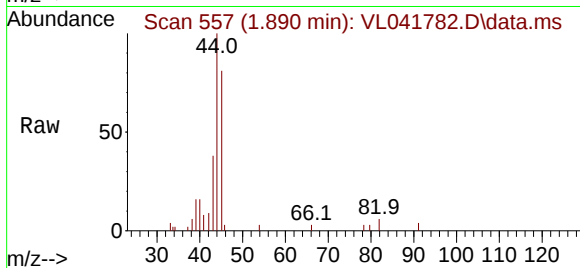
ClientSampleId :

Tgt Ion: 45 Resp: 1430

Ion Ratio Lower Upper

45 100

58 1.7 33.3 49.9#



#20

Methylene Chloride

Concen: 0.188 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL041782.D

Acq: 17 Dec 2024 16:48

Tgt Ion: 84 Resp: 545

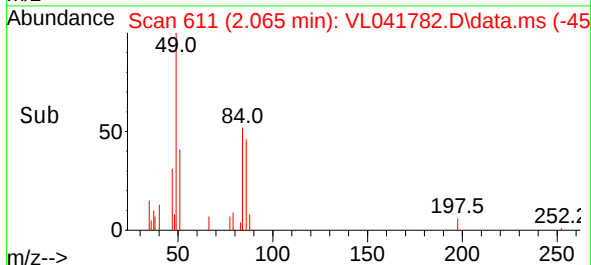
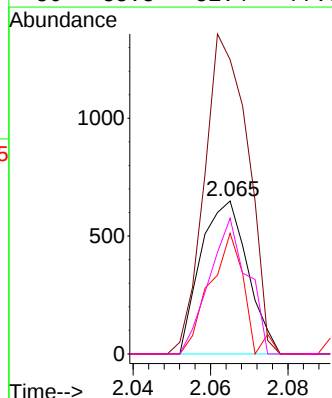
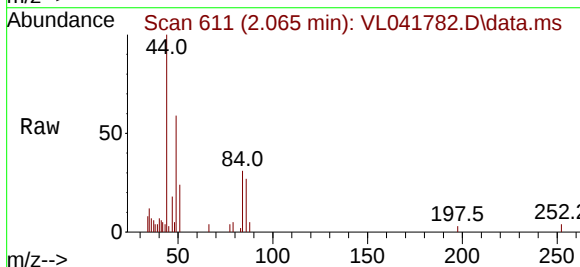
Ion Ratio Lower Upper

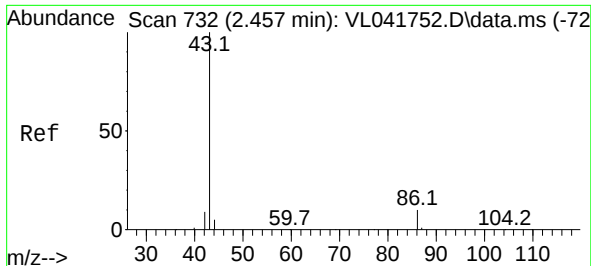
84 100

49 192.4 132.6 198.8

51 78.9 37.6 56.4#

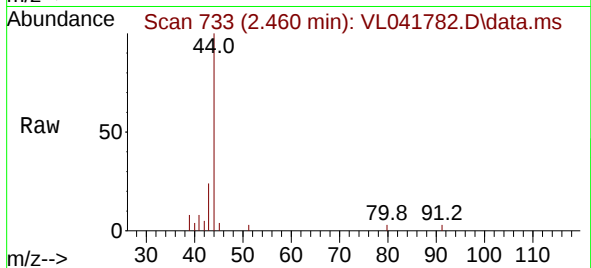
86 88.8 51.4 77.0#



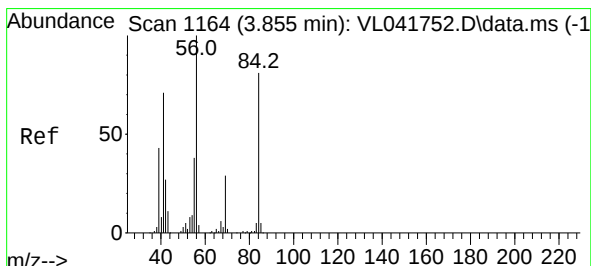
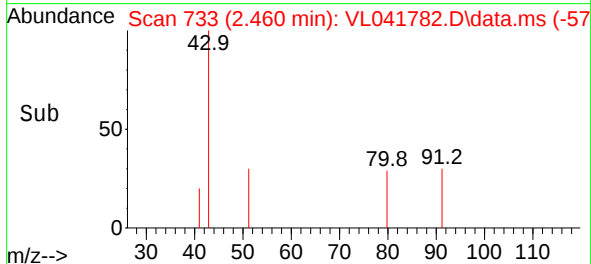
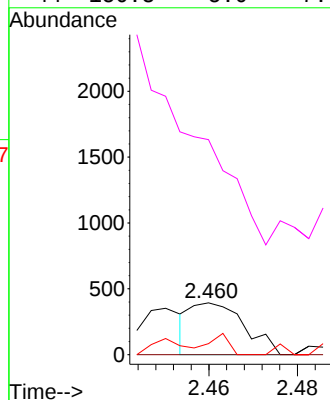


#23
 Vinyl Acetate
 Concen: 0.071 ppbv
 RT: 2.460 min Scan# 74
 Delta R.T. 0.003 min
 Lab File: VL041782.D
 Acq: 17 Dec 2024 16:48

Instrument :
 MSVOA_L
 ClientSampleId :

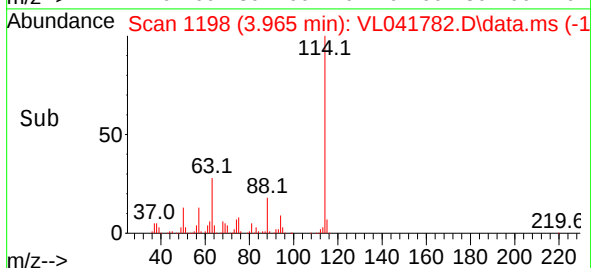
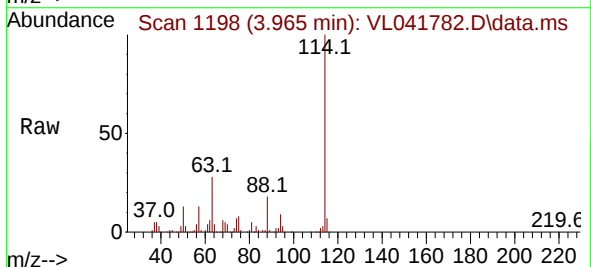
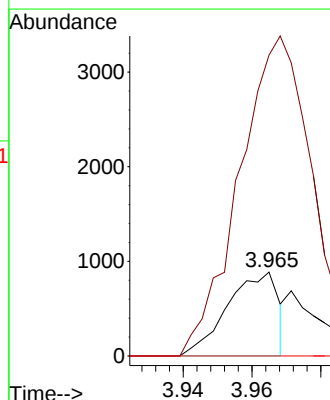


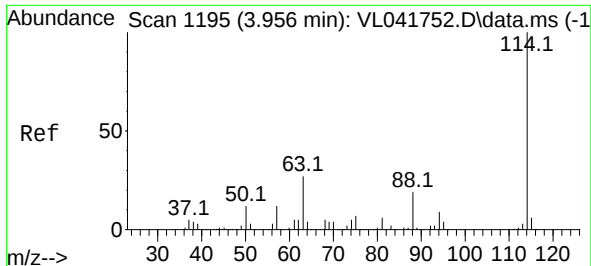
Tgt Ion:	43	Resp:	333
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.6	10.0#
42	4.1	8.2	12.2#
44	156.3	5.0	7.4#



#30
 Cyclohexane
 Concen: 0.149 ppbv
 RT: 3.965 min Scan# 1198
 Delta R.T. 0.110 min
 Lab File: VL041782.D
 Acq: 17 Dec 2024 16:48

Tgt Ion:	84	Resp:	910
Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.3	153.5#
41	0.0	74.0	111.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.012 min

Lab File: VL041782.D

Acq: 17 Dec 2024 16:48

Instrument :

MSVOA_L

ClientSampleId :

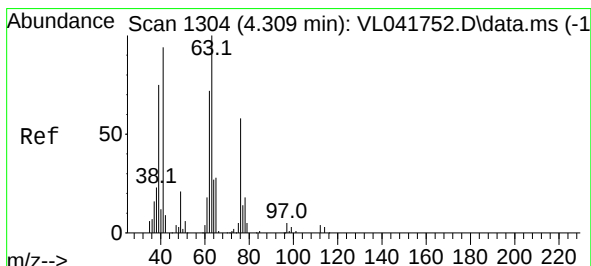
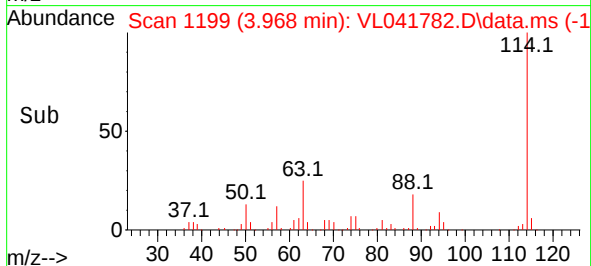
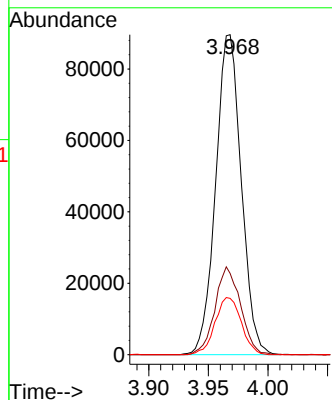
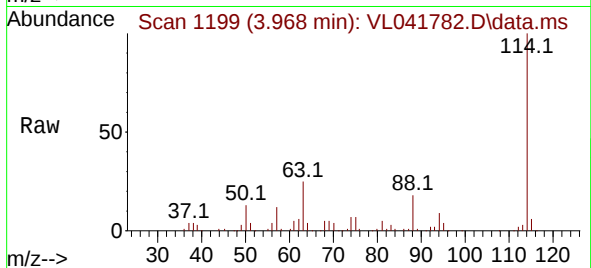
Tgt Ion:114 Resp: 133574

Ion Ratio Lower Upper

114 100

63 27.5 21.8 32.8

88 18.3 14.8 22.2



#39

1,2-Dichloropropane

Concen: 7.331 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.344 min

Lab File: VL041782.D

Acq: 17 Dec 2024 16:48

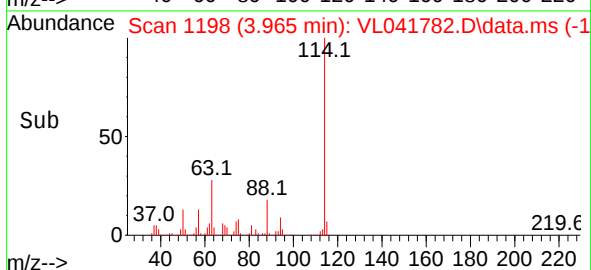
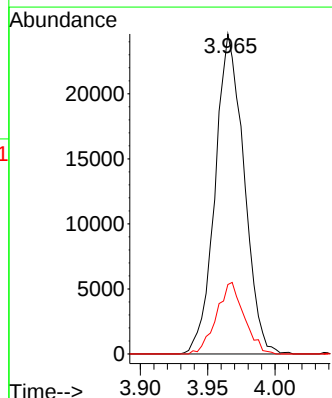
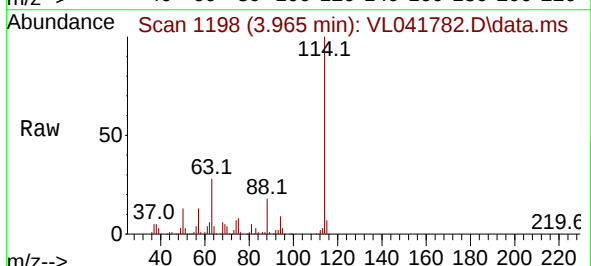
Tgt Ion: 63 Resp: 36635

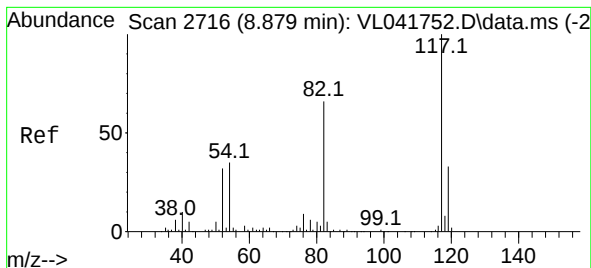
Ion Ratio Lower Upper

63 100

41 0.0 75.3 112.9#

62 21.7 57.3 85.9#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 21

Delta R.T. 0.009 min

Lab File: VL041782.D

Acq: 17 Dec 2024 16:48

Instrument :

MSVOA_L

ClientSampleId :

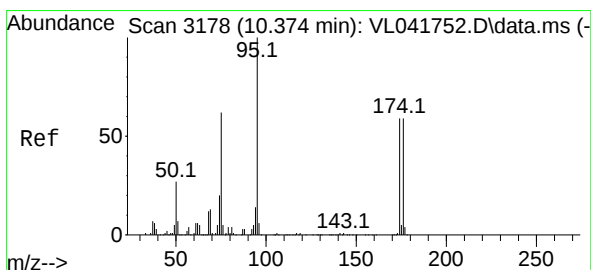
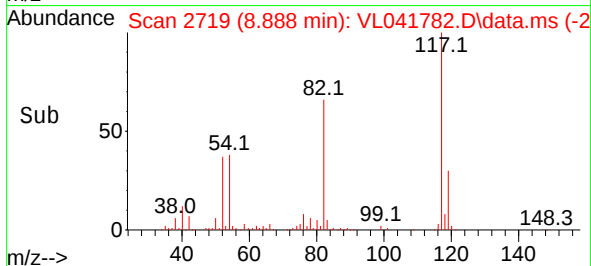
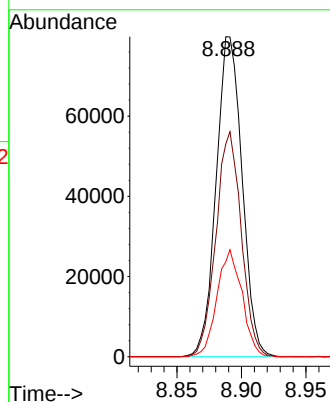
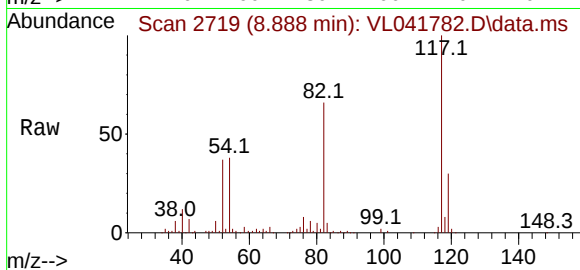
Tgt Ion:117 Resp: 111625

Ion Ratio Lower Upper

117 100

82 68.7 53.8 80.8

119 32.2 26.7 40.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.972 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.009 min

Lab File: VL041782.D

Acq: 17 Dec 2024 16:48

Tgt Ion: 95 Resp: 92764

Ion Ratio Lower Upper

95 100

174 57.9 47.6 71.4

175 4.7 3.7 5.5

