

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041761.D
 Acq On : 16 Dec 2024 20:51
 Operator : SY/MD
 Sample : VL1216ABL02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABL02

Quant Time: Dec 20 03:22:48 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)

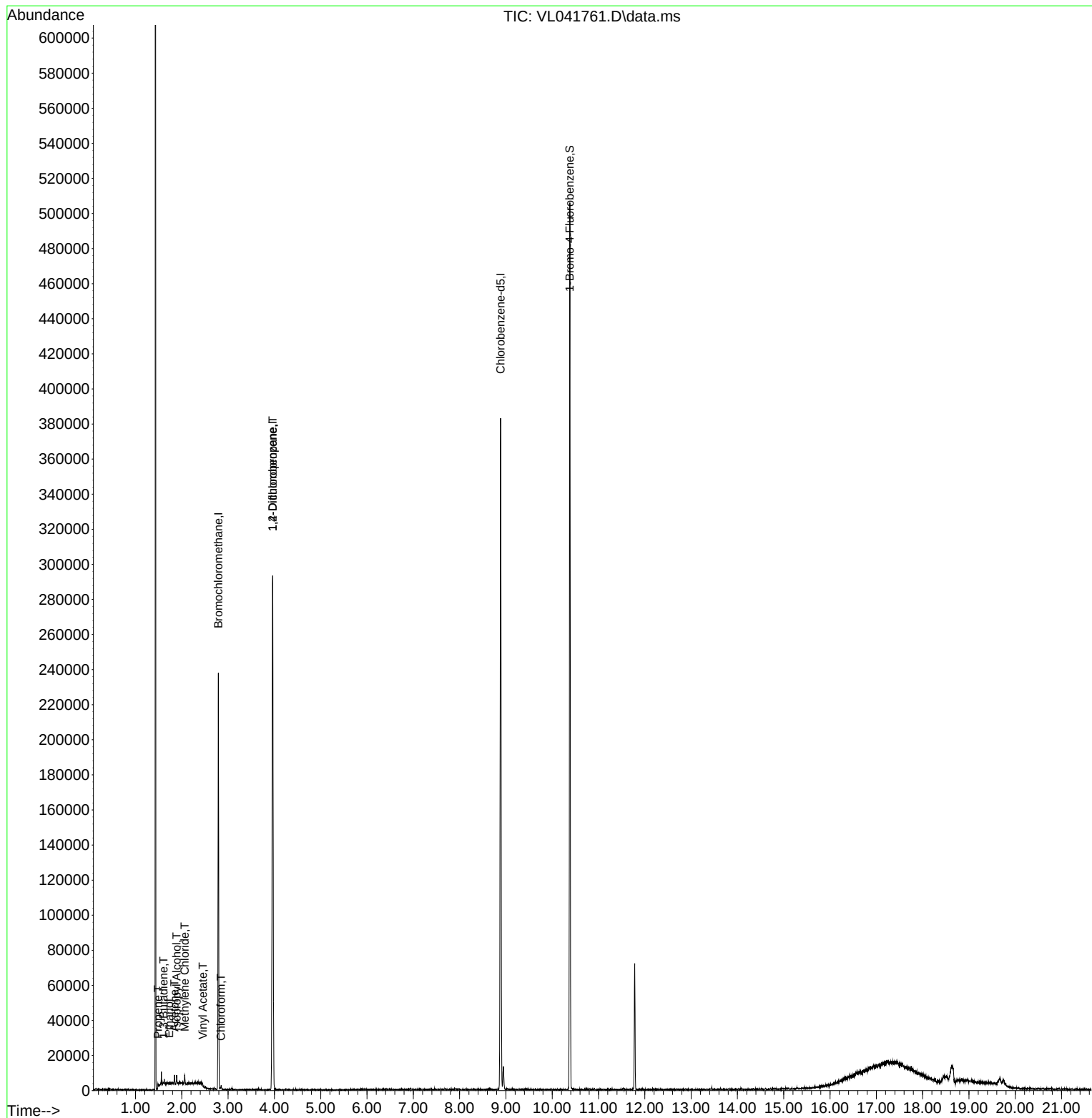
Internal Standards						
1) Bromochloromethane	2.790	49	62015	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	167273	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	146197	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	121566	9.978	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
					Qvalue	
9) Propene	1.486	41	545	0.124	ppbv	89
13) Ethanol	1.725	45	319	0.879	ppbv #	34
15) Acetone	1.838	43	2290	0.190	ppbv	91
16) 1,3-Butadiene	1.602	39	350	0.074	ppbv #	13
19) Isopropyl Alcohol	1.887	45	1980	0.273	ppbv #	70
20) Methylene Chloride	2.065	84	624	0.181	ppbv #	81
23) Vinyl Acetate	2.453	43	247	0.044	ppbv #	1
29) Chloroform	2.848	83	601	0.046	ppbv #	69
39) 1,2-Dichloropropane	3.962	63	45996	7.350	ppbv #	17

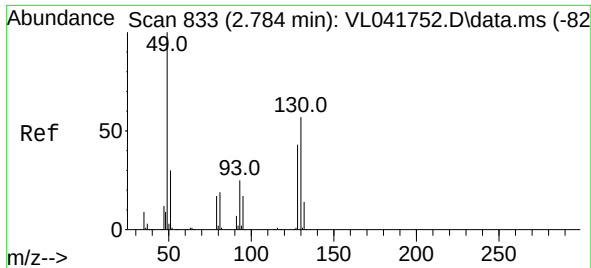
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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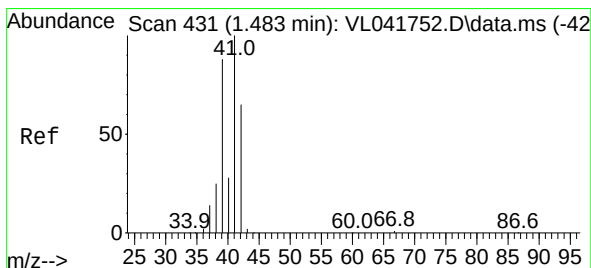
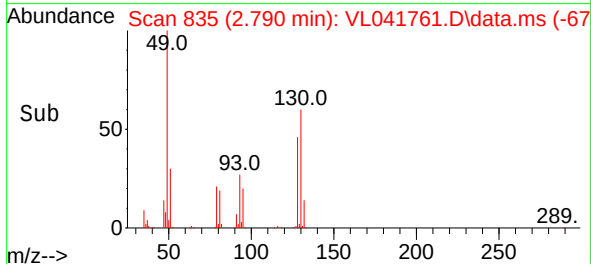
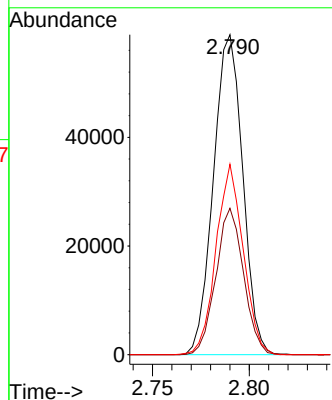
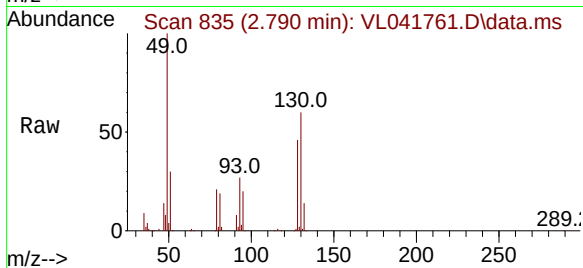




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 834
Delta R.T. 0.006 min
Lab File: VL041761.D
Acq: 16 Dec 2024 20:51

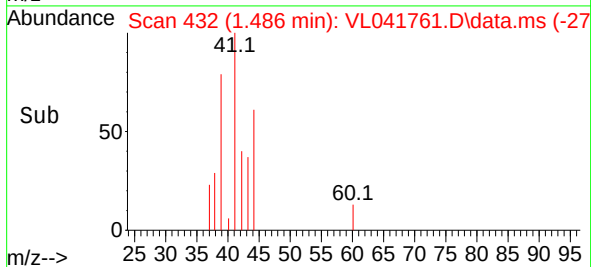
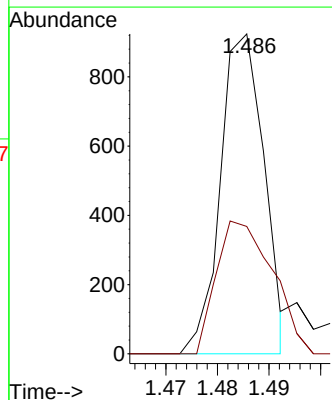
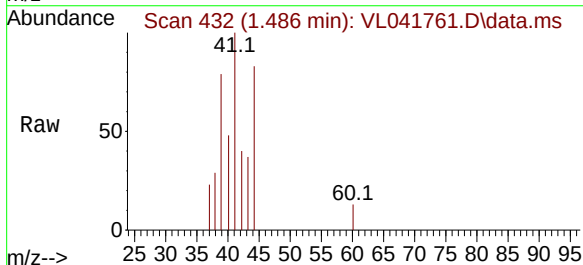
Instrument :
MSVOA_L
ClientSampleId :
VL1216ABL02

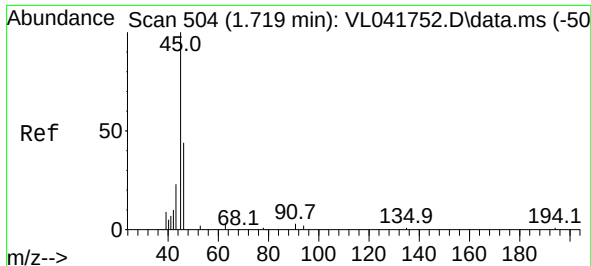
Tgt Ion: 49 Resp: 62015
Ion Ratio Lower Upper
49 100
128 43.2 21.6 64.6
130 55.2 28.3 85.0



#9
Propene
Concen: 0.124 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL041761.D
Acq: 16 Dec 2024 20:51

Tgt Ion: 41 Resp: 545
Ion Ratio Lower Upper
41 100
42 57.1 52.4 78.6





#13

Ethanol

Concen: 0.879 ppbv

RT: 1.725 min Scan# 504

Delta R.T. 0.006 min

Lab File: VL041761.D

Acq: 16 Dec 2024 20:51

Instrument :

MSVOA_1

ClientSampleId :

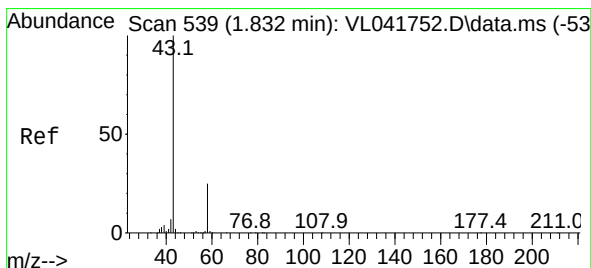
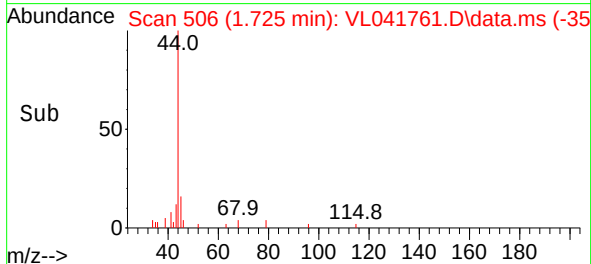
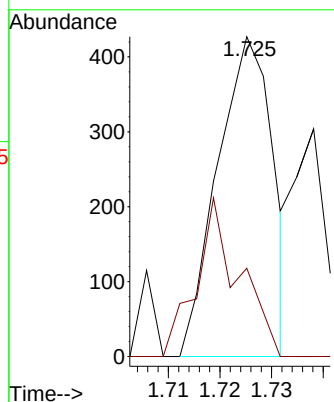
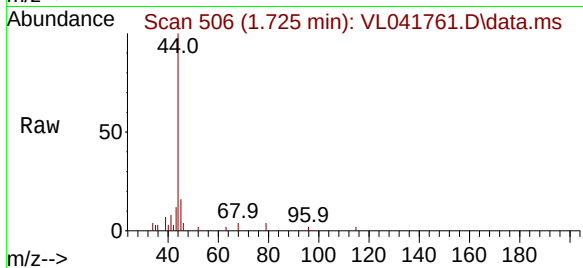
VL1216ABL02

Tgt Ion: 45 Resp: 319

Ion Ratio Lower Upper

45 100

46 0.0 16.4 65.8#



#15

Acetone

Concen: 0.190 ppbv

RT: 1.838 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL041761.D

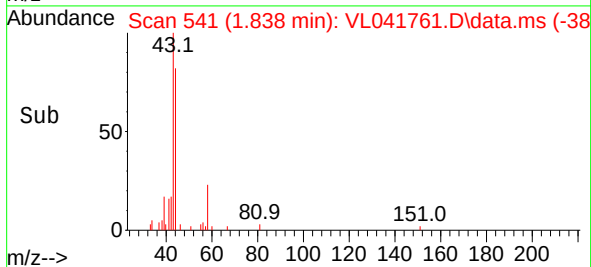
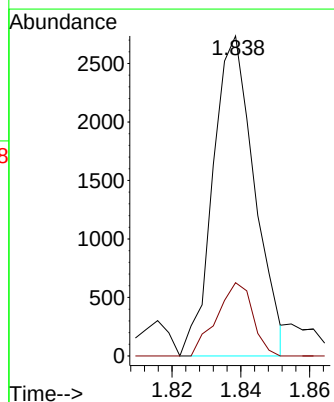
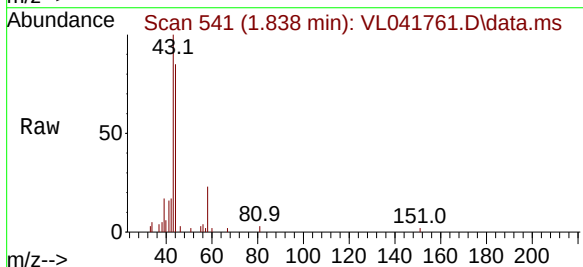
Acq: 16 Dec 2024 20:51

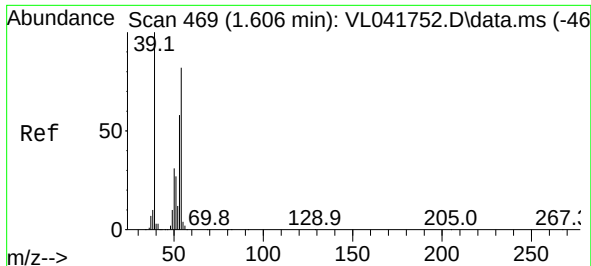
Tgt Ion: 43 Resp: 2290

Ion Ratio Lower Upper

43 100

58 19.9 19.7 29.5





#16

1,3-Butadiene

Concen: 0.074 ppbv

RT: 1.602 min Scan# 4

Delta R.T. -0.004 min

Lab File: VL041761.D

Acq: 16 Dec 2024 20:51

Instrument :

MSVOA_1

ClientSampleId :

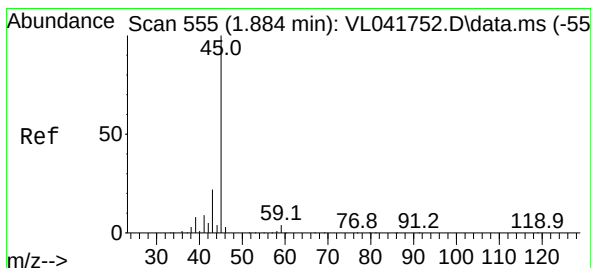
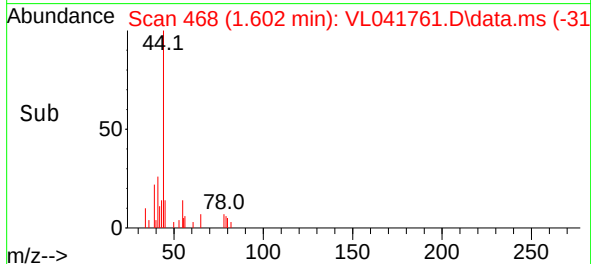
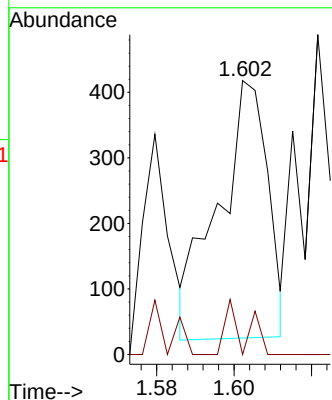
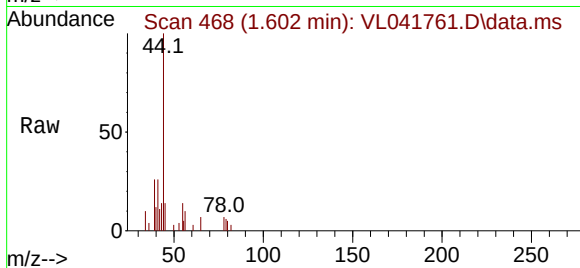
VL1216ABL02

Tgt Ion: 39 Resp: 350

Ion Ratio Lower Upper

39 100

54 0.0 58.4 87.6#



#19

Isopropyl Alcohol

Concen: 0.273 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL041761.D

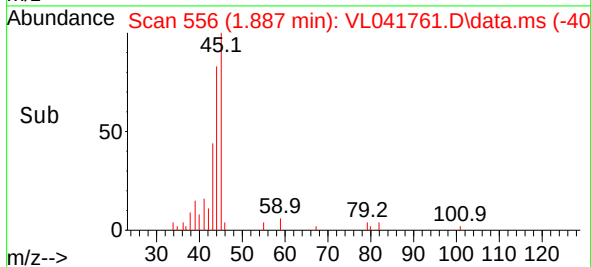
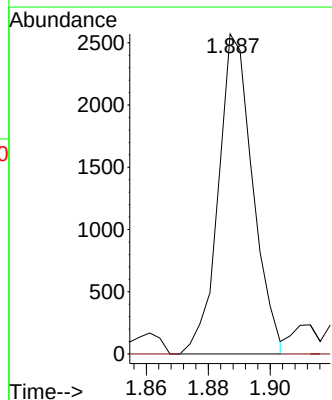
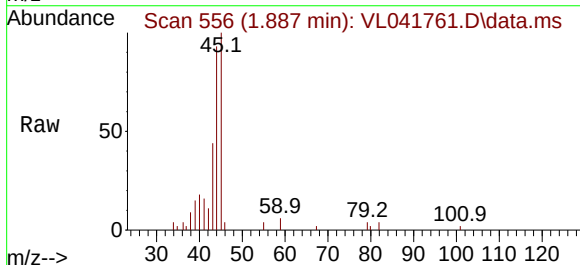
Acq: 16 Dec 2024 20:51

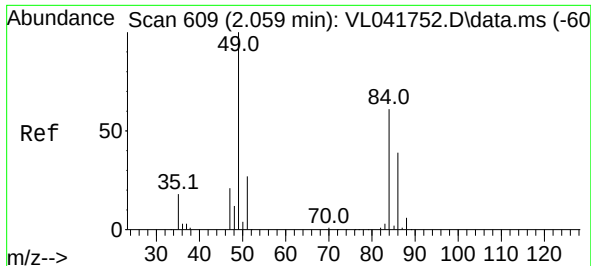
Tgt Ion: 45 Resp: 1980

Ion Ratio Lower Upper

45 100

58 23.0 33.3 49.9#



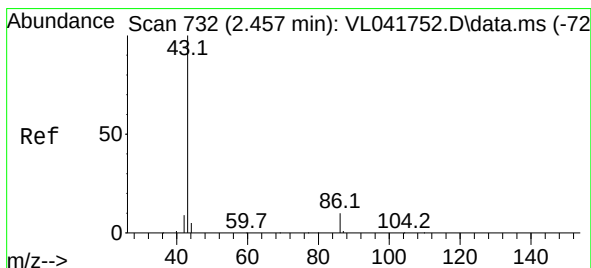
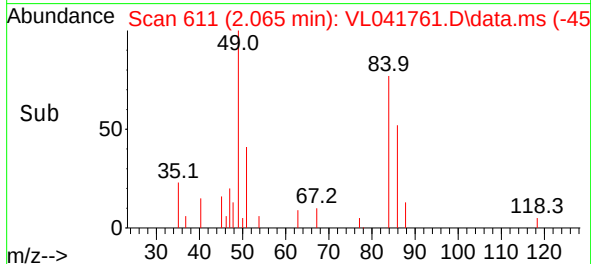
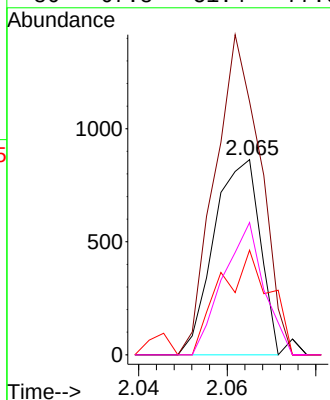
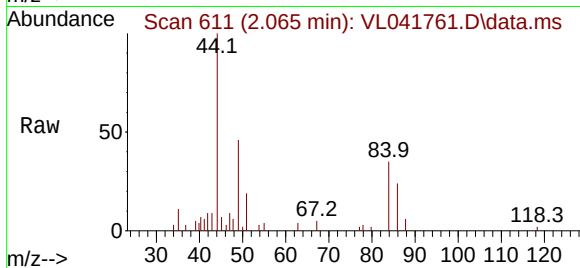


#20
Methylene Chloride
Concen: 0.181 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL041761.D
Acq: 16 Dec 2024 20:51

Instrument :
MSVOA_L
ClientSampleId :
VL1216ABL02

Tgt Ion: 84 Resp: 624

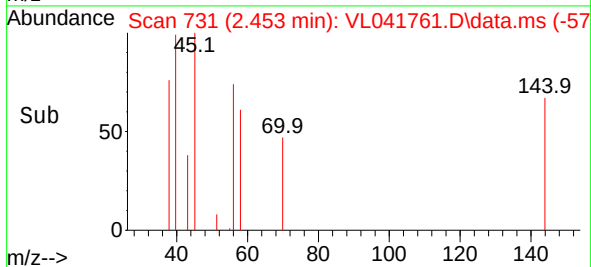
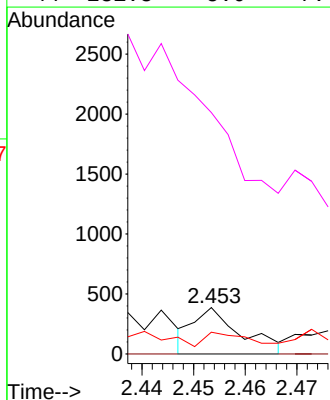
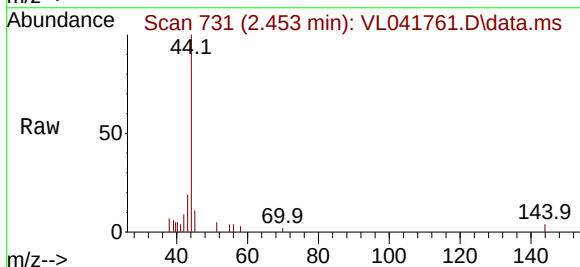
Ion	Ratio	Lower	Upper
84	100		
49	129.8	132.6	198.8#
51	53.7	37.6	56.4
86	67.8	51.4	77.0

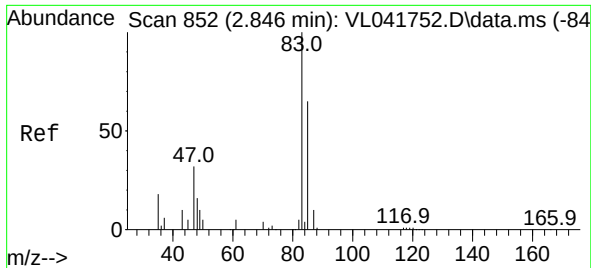


#23
Vinyl Acetate
Concen: 0.044 ppbv
RT: 2.453 min Scan# 731
Delta R.T. -0.004 min
Lab File: VL041761.D
Acq: 16 Dec 2024 20:51

Tgt Ion: 43 Resp: 247

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.6	10.0#
42	32.0	8.2	12.2#
44	231.3	5.0	7.4#





#29

Chloroform

Concen: 0.046 ppbv

RT: 2.848 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL041761.D

Acq: 16 Dec 2024 20:51

Instrument :

MSVOA_L

ClientSampleId :

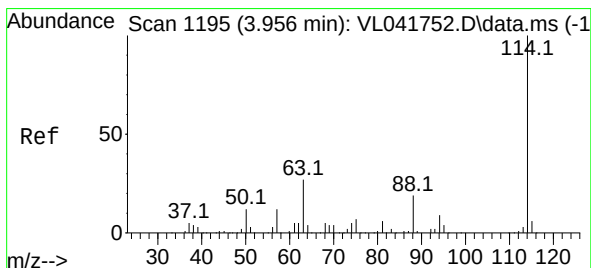
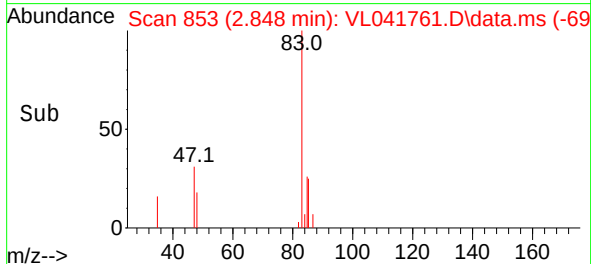
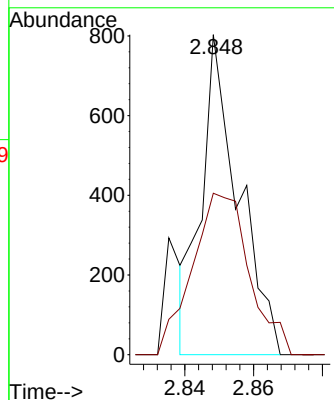
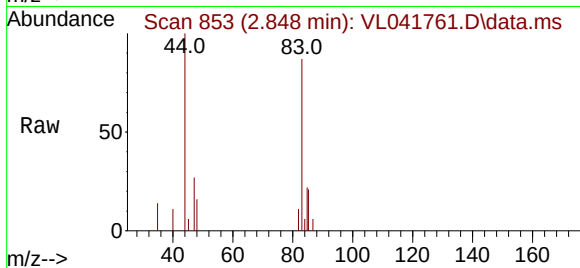
VL1216ABL02

Tgt Ion: 83 Resp: 601

Ion Ratio Lower Upper

83 100

85 40.3 51.8 77.6#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.006 min

Lab File: VL041761.D

Acq: 16 Dec 2024 20:51

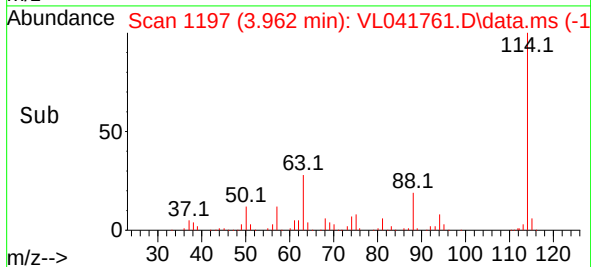
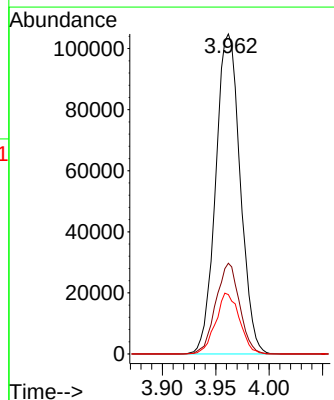
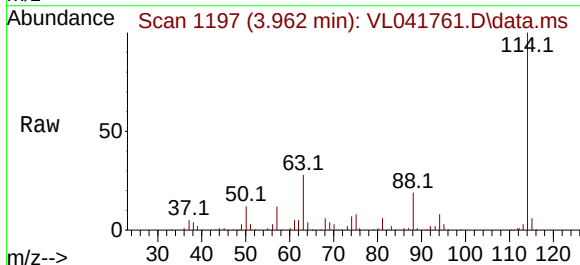
Tgt Ion: 114 Resp: 167273

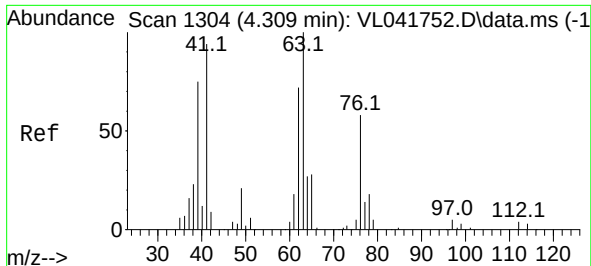
Ion Ratio Lower Upper

114 100

63 27.5 21.8 32.8

88 18.5 14.8 22.2





#39

1,2-Dichloropropane

Concen: 7.350 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.347 min

Lab File: VL041761.D

Acq: 16 Dec 2024 20:51

Instrument :

MSVOA_L

ClientSampleId :

VL1216ABL02

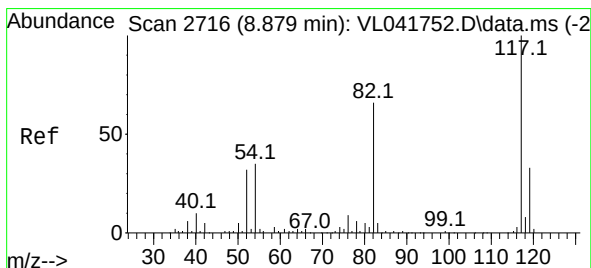
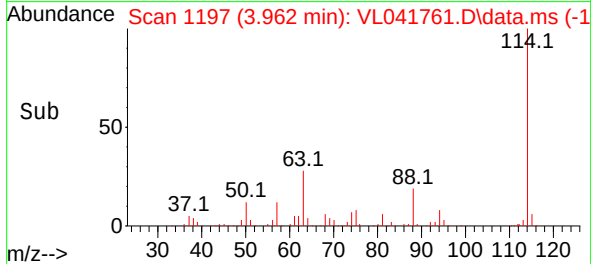
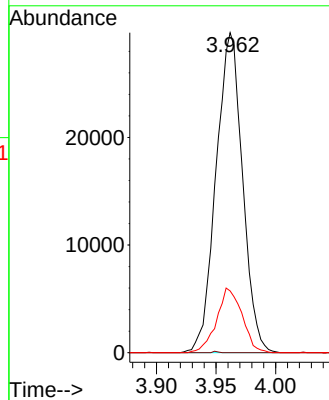
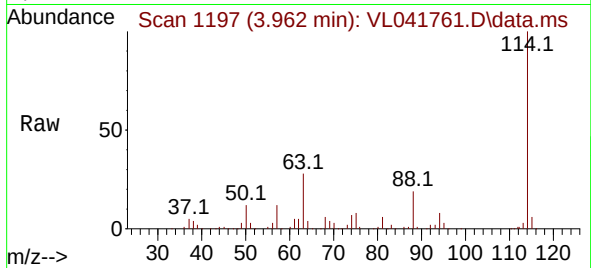
Tgt Ion: 63 Resp: 45996

Ion Ratio Lower Upper

63 100

41 0.0 75.3 112.9#

62 19.3 57.3 85.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. 0.006 min

Lab File: VL041761.D

Acq: 16 Dec 2024 20:51

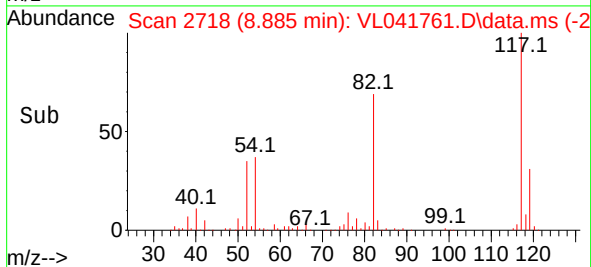
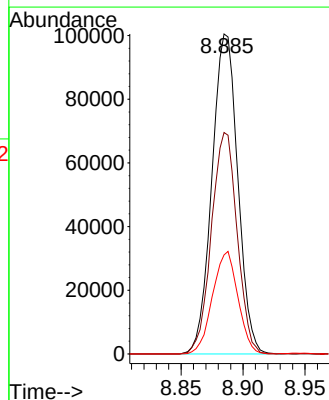
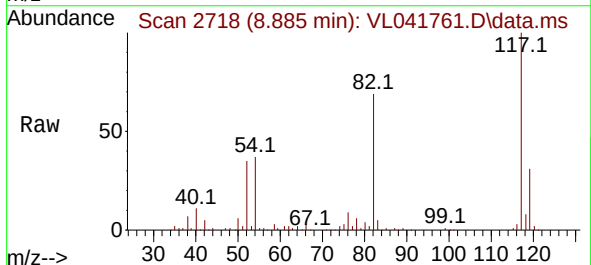
Tgt Ion: 117 Resp: 146197

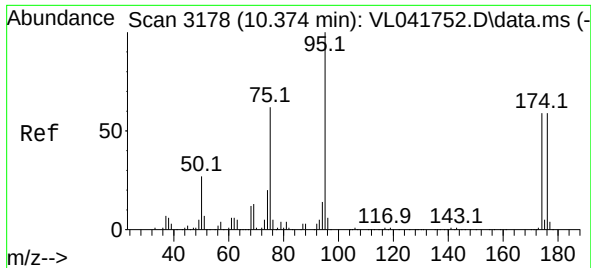
Ion Ratio Lower Upper

117 100

82 68.8 53.8 80.8

119 31.5 26.7 40.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.978 ppbv
 RT: 10.380 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VL041761.D
 Acq: 16 Dec 2024 20:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABL02

Tgt Ion: 95 Resp: 121566
 Ion Ratio Lower Upper
 95 100
 174 60.0 47.6 71.4
 175 5.0 3.7 5.5

