

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041789.D
 Acq On : 18 Dec 2024 11:57
 Operator : SY/MD
 Sample : VL1218ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 19 07:52:25 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

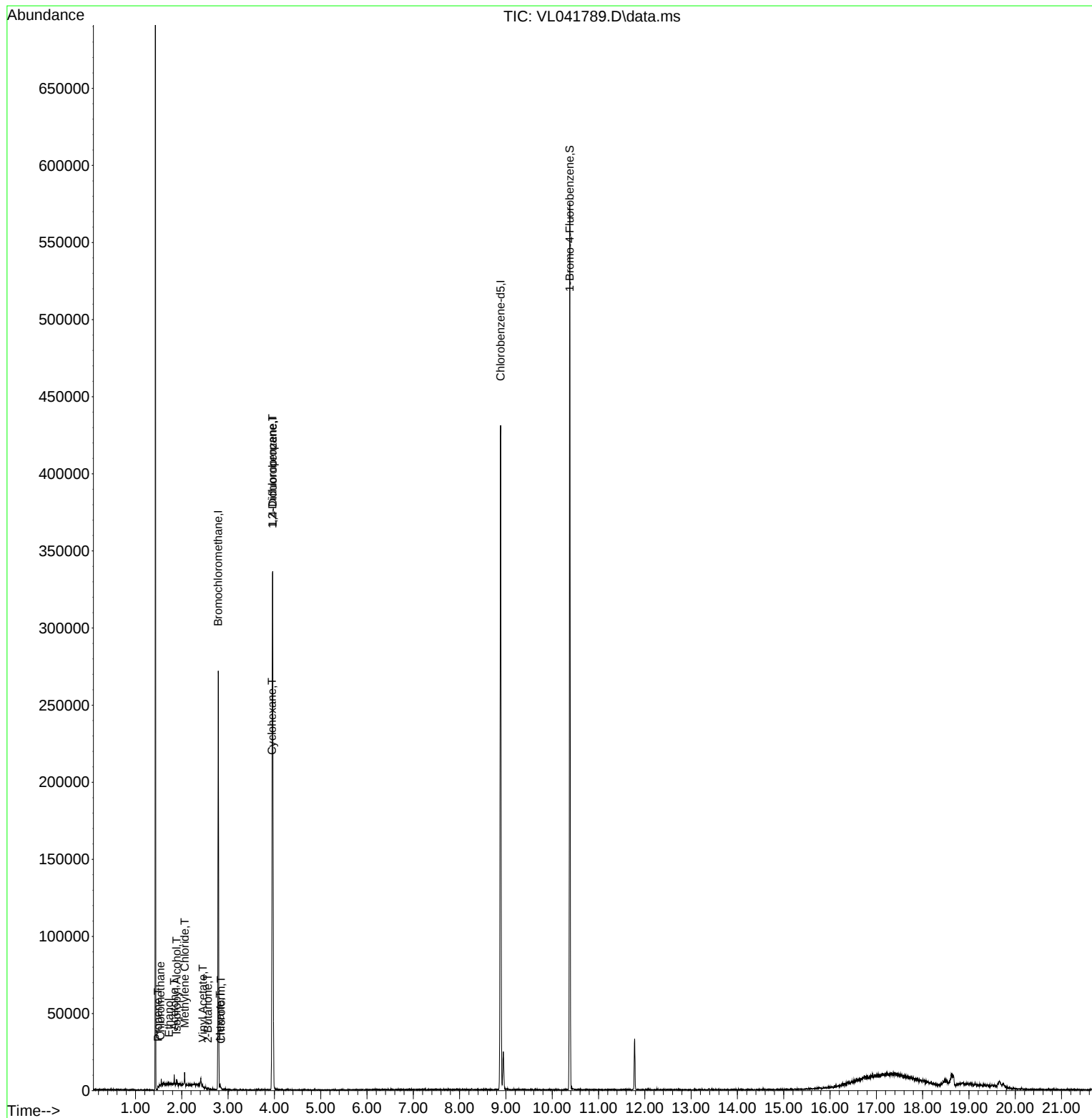
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

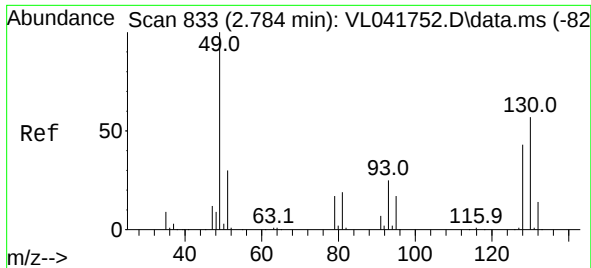
Internal Standards						
1) Bromochloromethane	2.787	49	72894	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	182275	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	156009	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	132309	10.177	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%
Target Compounds						
					Qvalue	
4) Chloromethane	1.535	50	198	0.039	ppbv	89
9) Propene	1.486	41	458	0.089	ppbv #	70
13) Ethanol	1.722	45	543	1.273	ppbv	85
15) Acetone	1.836	43	2602	0.183	ppbv #	88
19) Isopropyl Alcohol	1.887	45	1352	0.159	ppbv #	73
20) Methylene Chloride	2.062	84	937	0.232	ppbv	93
23) Vinyl Acetate	2.454	43	490	0.074	ppbv #	80
26) Hexane	2.826	57	613	0.061	ppbv #	34
29) Chloroform	2.845	83	494	0.032	ppbv #	35
30) Cyclohexane	3.949	84	583	0.068	ppbv #	1
34) 2-Butanone	2.564	43	446	0.030	ppbv	92
39) 1,2-Dichloropropane	3.959	63	51664	7.576	ppbv #	18

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

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 19 07:52:25 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
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Response via : Initial Calibration

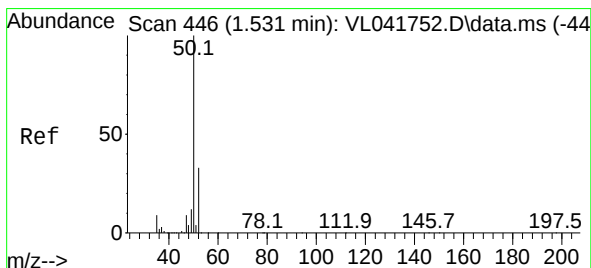
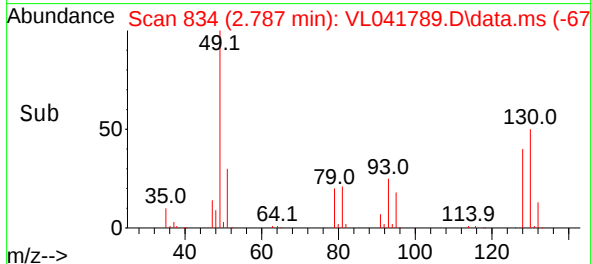
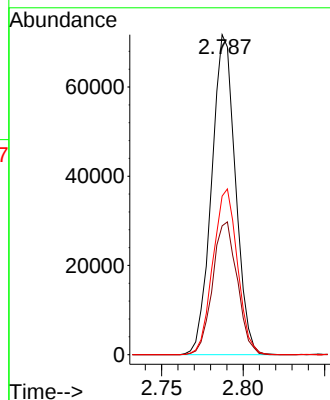
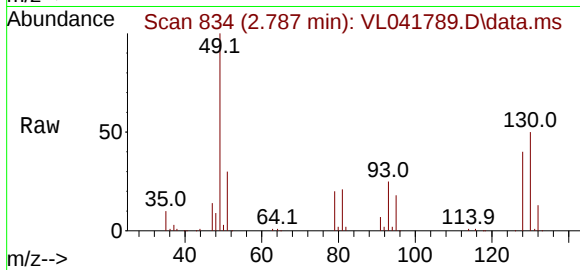




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL041789.D
Acq: 18 Dec 2024 11:57

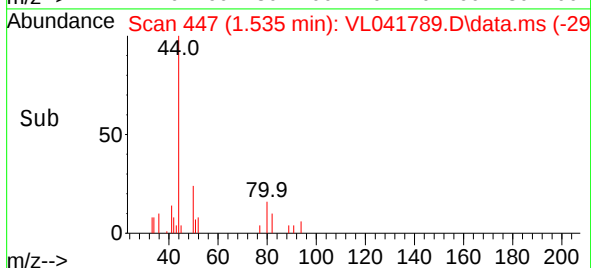
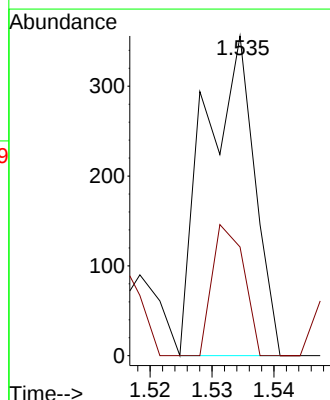
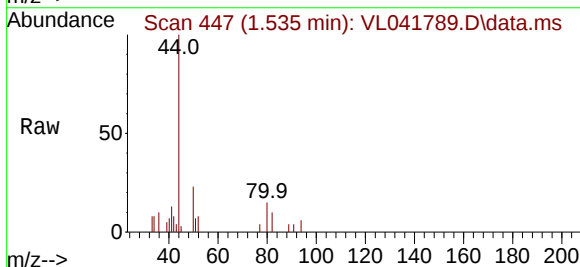
Instrument :
MSVOA_1
ClientSampleId :

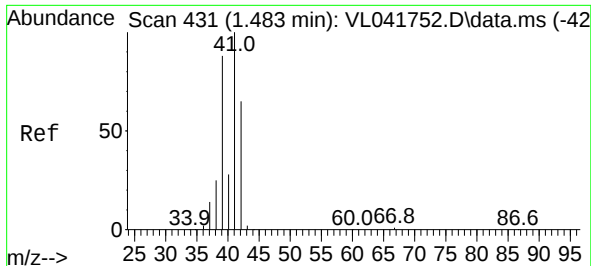
Tgt Ion: 49 Resp: 72894
Ion Ratio Lower Upper
49 100
128 42.8 21.6 64.6
130 53.2 28.3 85.0



#4
Chloromethane
Concen: 0.039 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041789.D
Acq: 18 Dec 2024 11:57

Tgt Ion: 50 Resp: 198
Ion Ratio Lower Upper
50 100
52 26.5 26.2 39.2





#9

Propene

Concen: 0.089 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041789.D

Acq: 18 Dec 2024 11:57

Instrument :

MSVOA_L

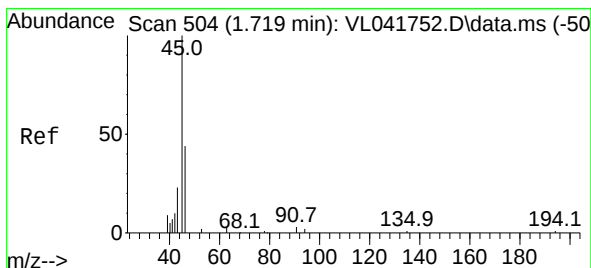
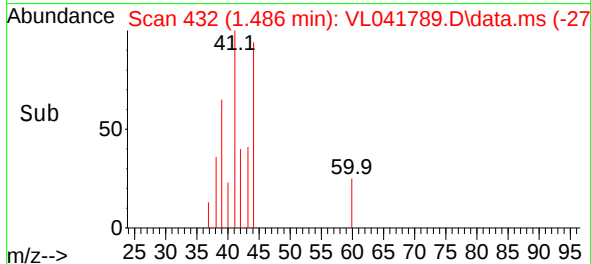
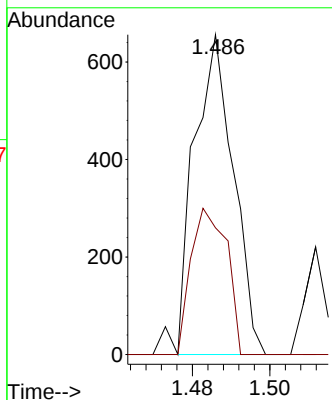
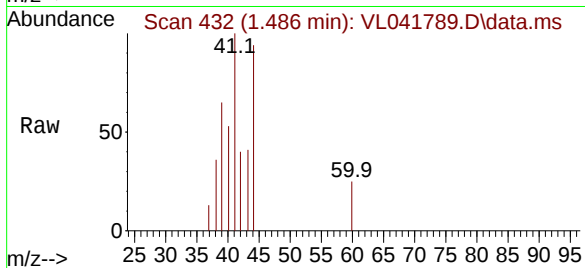
ClientSampleId :

Tgt Ion: 41 Resp: 458

Ion Ratio Lower Upper

41 100

42 41.9 52.4 78.6#



#13

Ethanol

Concen: 1.273 ppbv

RT: 1.722 min Scan# 505

Delta R.T. 0.003 min

Lab File: VL041789.D

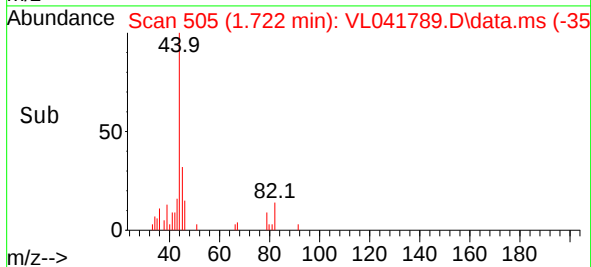
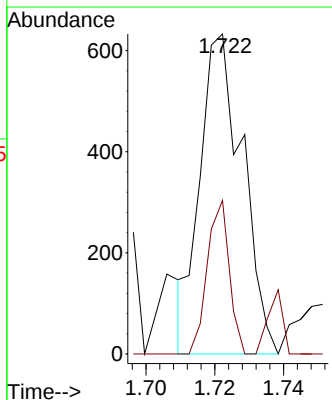
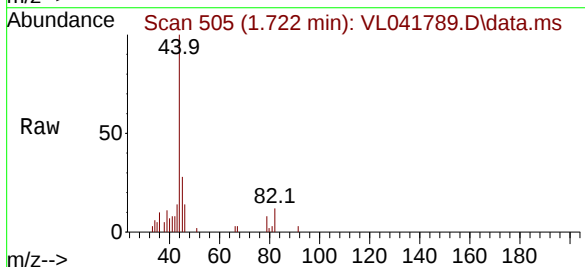
Acq: 18 Dec 2024 11:57

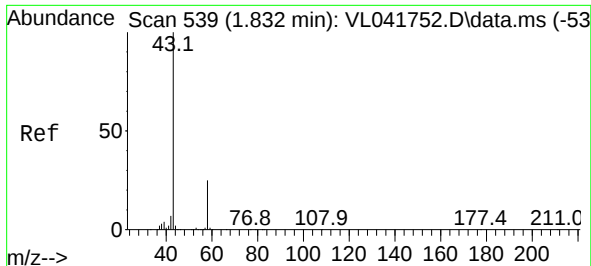
Tgt Ion: 45 Resp: 543

Ion Ratio Lower Upper

45 100

46 31.9 16.4 65.8





#15

Acetone

Concen: 0.183 ppbv

RT: 1.836 min Scan# 540

Delta R.T. 0.003 min

Lab File: VL041789.D

Acq: 18 Dec 2024 11:57

Instrument :

MSVOA_L

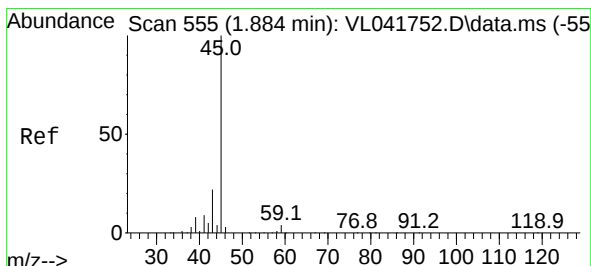
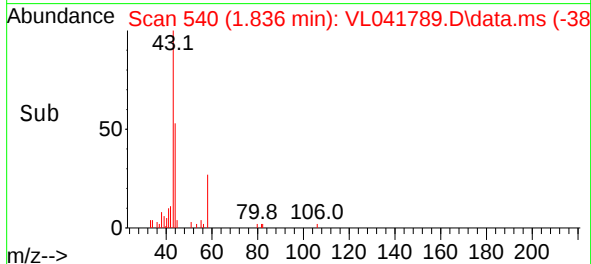
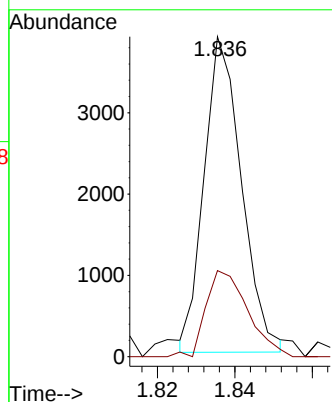
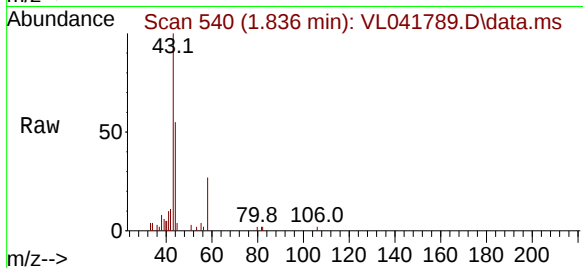
ClientSampleId :

Tgt Ion: 43 Resp: 2602

Ion Ratio Lower Upper

43 100

58 30.5 19.7 29.5#



#19

Isopropyl Alcohol

Concen: 0.159 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL041789.D

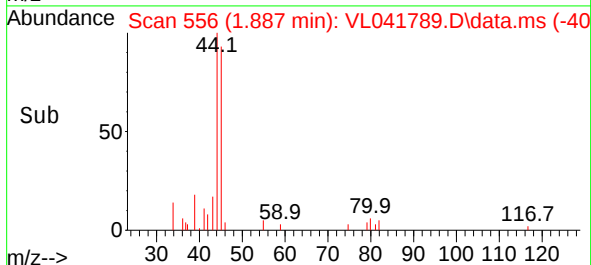
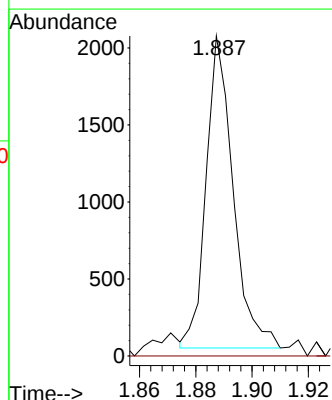
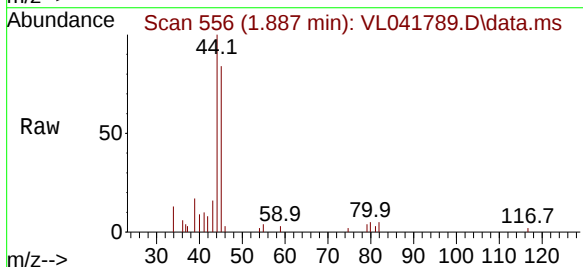
Acq: 18 Dec 2024 11:57

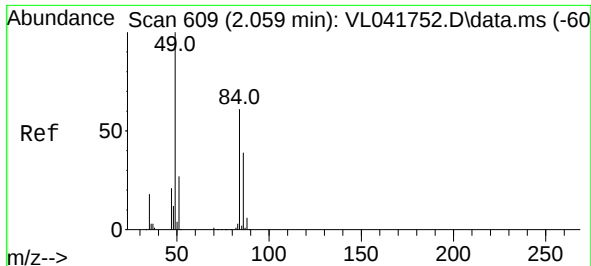
Tgt Ion: 45 Resp: 1352

Ion Ratio Lower Upper

45 100

58 58.7 33.3 49.9#





#20

Methylene Chloride

Concen: 0.232 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

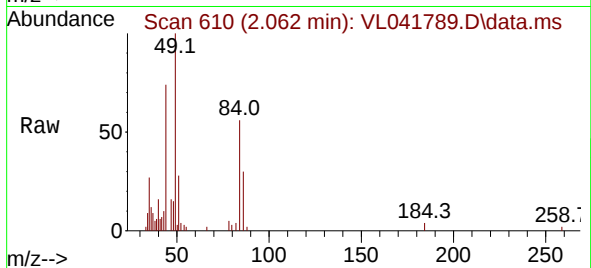
Lab File: VL041789.D

Acq: 18 Dec 2024 11:57

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 84 Resp: 937

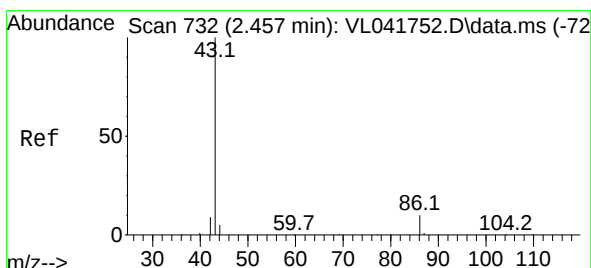
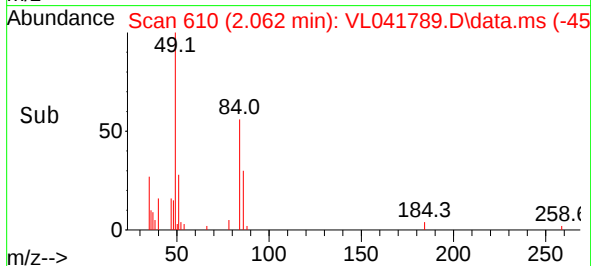
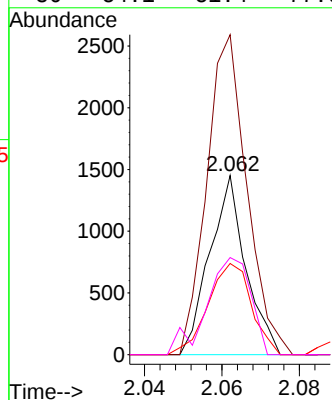
Ion Ratio Lower Upper

84 100

49 171.9 132.6 198.8

51 50.8 37.6 56.4

86 54.1 51.4 77.0



#23

Vinyl Acetate

Concen: 0.074 ppbv

RT: 2.454 min Scan# 731

Delta R.T. -0.003 min

Lab File: VL041789.D

Acq: 18 Dec 2024 11:57

Tgt Ion: 43 Resp: 490

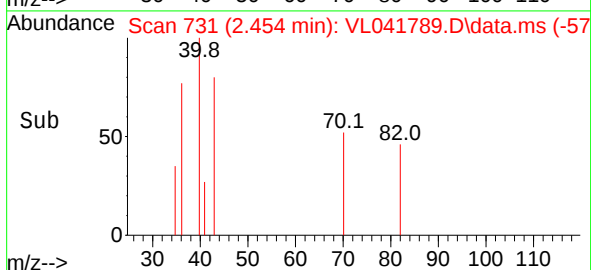
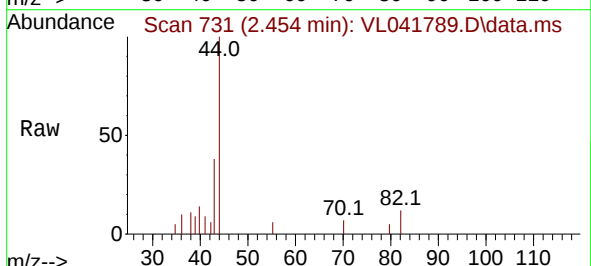
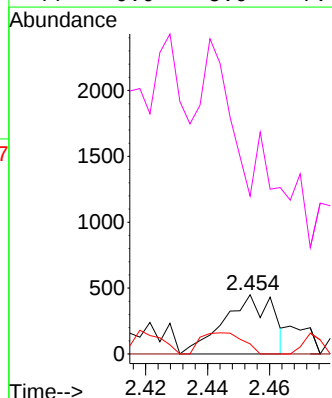
Ion Ratio Lower Upper

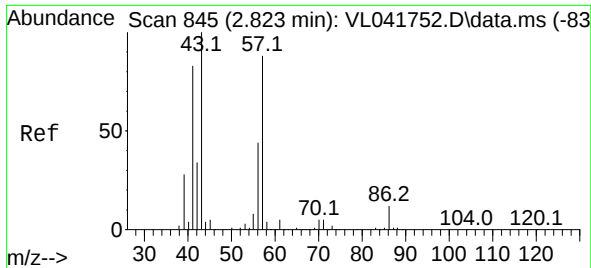
43 100

86 0.0 6.6 10.0#

42 17.1 8.2 12.2#

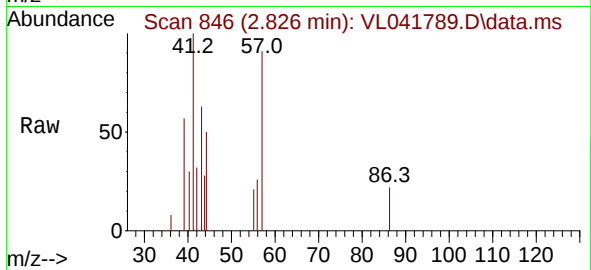
44 0.0 5.0 7.4#



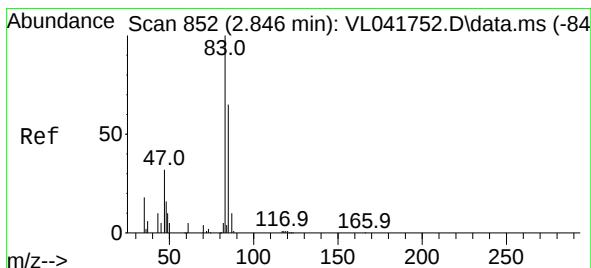
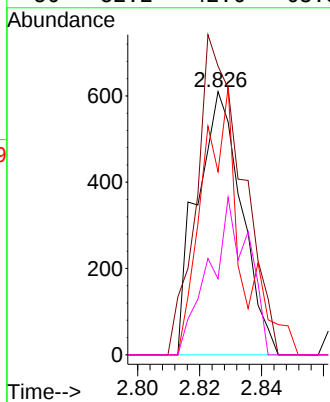
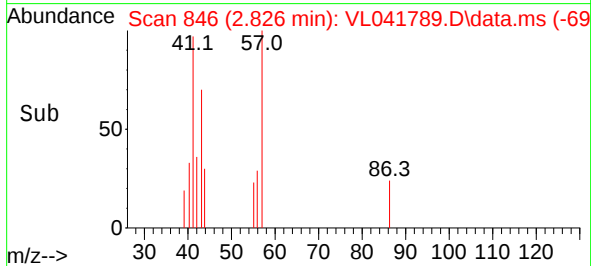


#26
Hexane
Concen: 0.061 ppbv
RT: 2.826 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL041789.D
Acq: 18 Dec 2024 11:57

Instrument :
MSVOA_L
ClientSampleId :

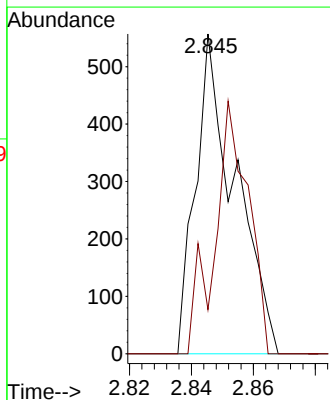
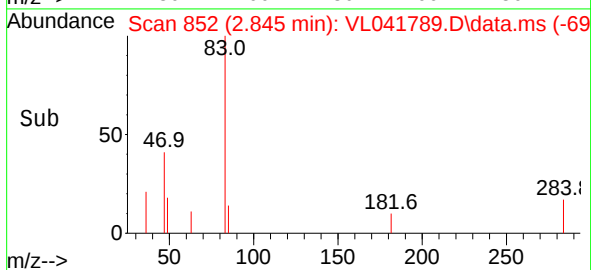
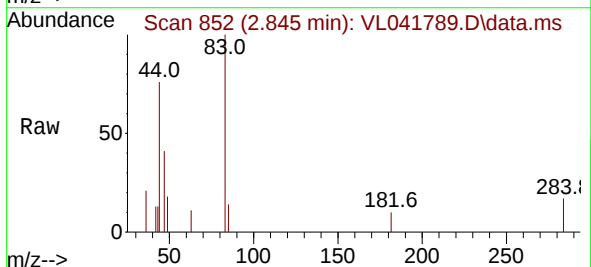


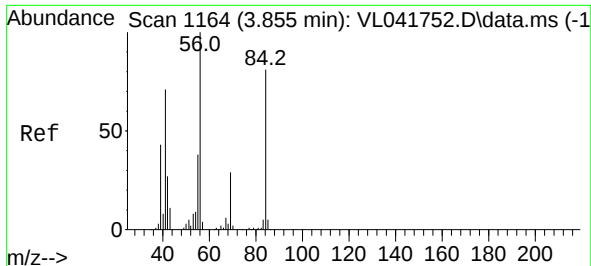
Tgt Ion:	57	Resp:	613
Ion	Ratio	Lower	Upper
57	100		
41	123.3	79.6	119.4#
43	92.7	211.0	316.6#
56	52.2	42.6	63.8



#29
Chloroform
Concen: 0.032 ppbv
RT: 2.845 min Scan# 852
Delta R.T. -0.000 min
Lab File: VL041789.D
Acq: 18 Dec 2024 11:57

Tgt Ion:	83	Resp:	494
Ion	Ratio	Lower	Upper
83	100		
85	13.8	51.8	77.6#





#30

Cyclohexane

Concen: 0.068 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. 0.094 min

Lab File: VL041789.D

Acq: 18 Dec 2024 11:57

Instrument :

MSVOA_L

ClientSampleId :

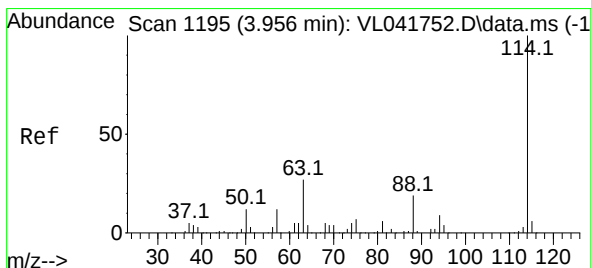
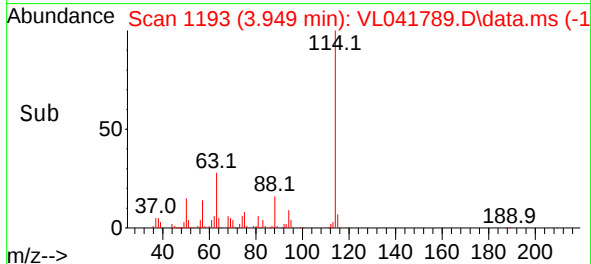
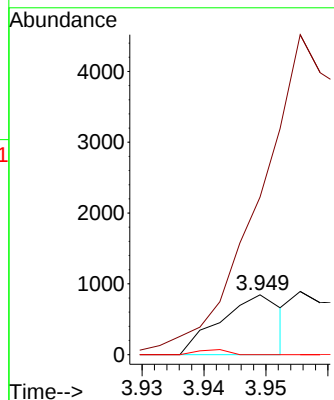
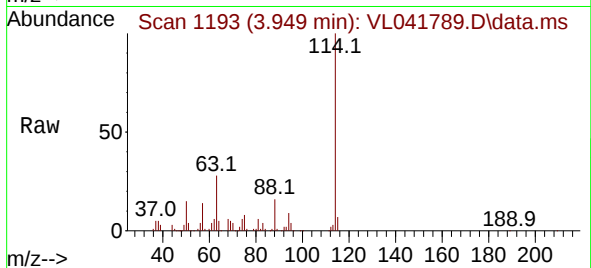
Tgt Ion: 84 Resp: 583

Ion Ratio Lower Upper

84 100

56 0.0 102.3 153.5#

41 4.3 74.0 111.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.006 min

Lab File: VL041789.D

Acq: 18 Dec 2024 11:57

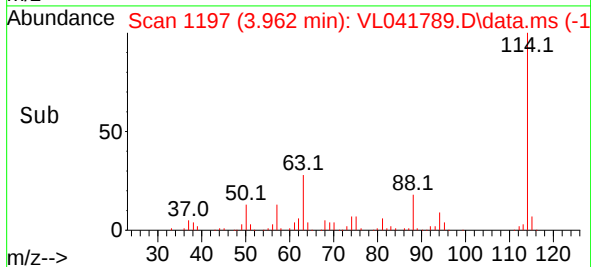
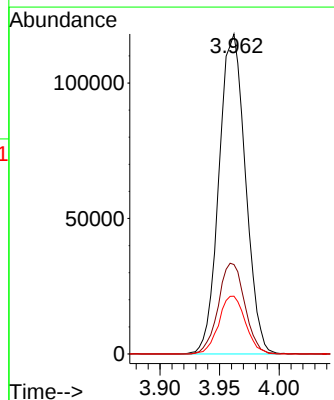
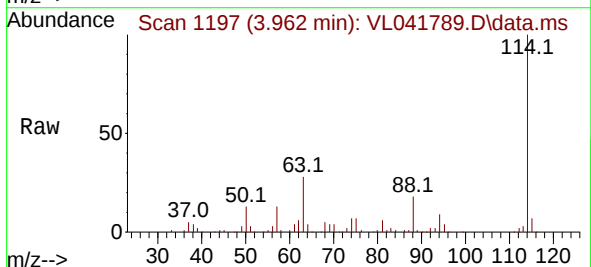
Tgt Ion: 114 Resp: 182275

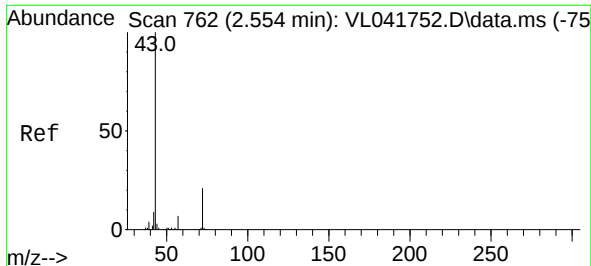
Ion Ratio Lower Upper

114 100

63 28.4 21.8 32.8

88 18.2 14.8 22.2





#34

2-Butanone

Concen: 0.030 ppbv

RT: 2.564 min Scan# 7

Delta R.T. 0.010 min

Lab File: VL041789.D

Acq: 18 Dec 2024 11:57

Instrument :

MSVOA_L

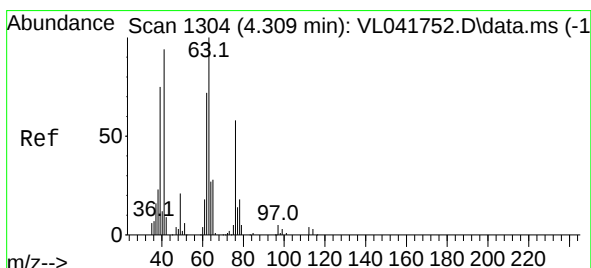
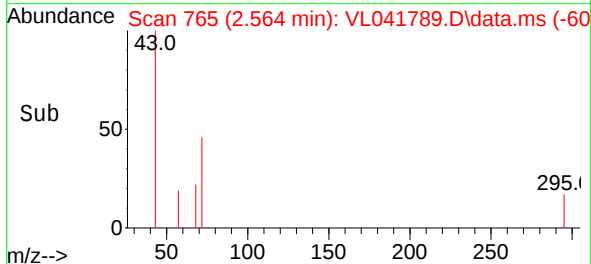
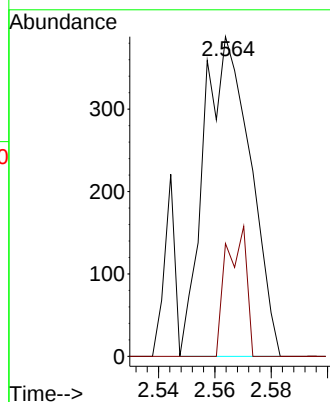
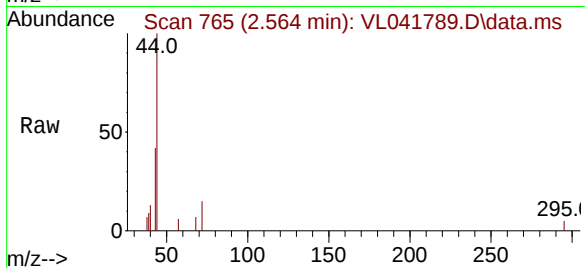
ClientSampleId :

Tgt Ion: 43 Resp: 446

Ion Ratio Lower Upper

43 100

72 17.5 16.8 25.2



#39

1,2-Dichloropropane

Concen: 7.576 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.350 min

Lab File: VL041789.D

Acq: 18 Dec 2024 11:57

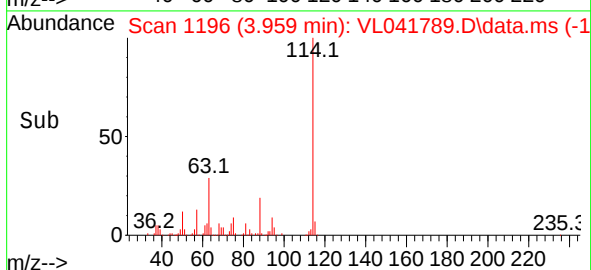
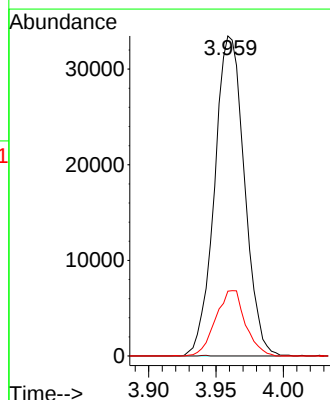
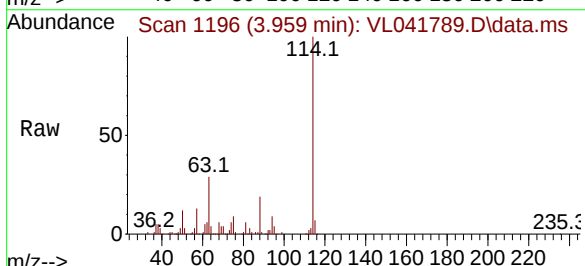
Tgt Ion: 63 Resp: 51664

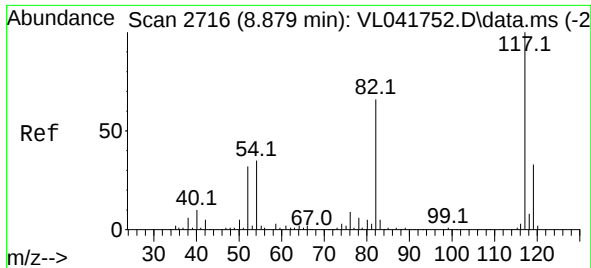
Ion Ratio Lower Upper

63 100

41 0.0 75.3 112.9#

62 20.3 57.3 85.9#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041789.D

Acq: 18 Dec 2024 11:57

Instrument :

MSVOA_L

ClientSampleId :

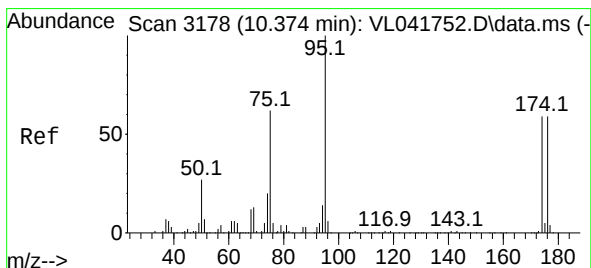
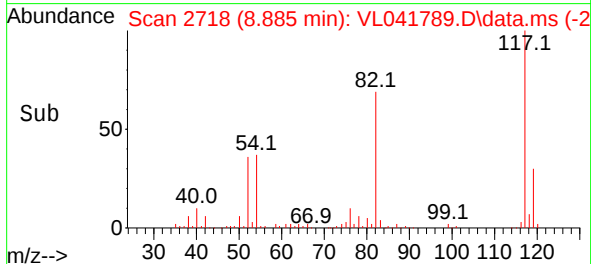
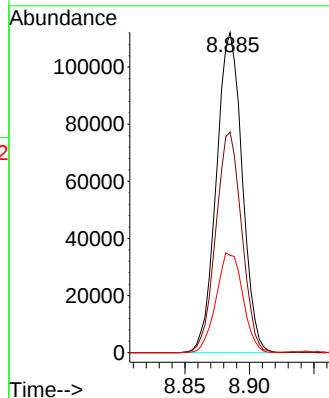
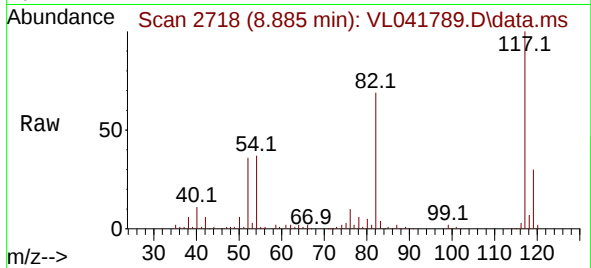
Tgt Ion:117 Resp: 156009

Ion Ratio Lower Upper

117 100

82 69.3 53.8 80.8

119 32.4 26.7 40.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.177 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.003 min

Lab File: VL041789.D

Acq: 18 Dec 2024 11:57

Tgt Ion: 95 Resp: 132309

Ion Ratio Lower Upper

95 100

174 57.1 47.6 71.4

175 4.7 3.7 5.5

