

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
 Data File : VL042671.D
 Acq On : 27 Jun 2025 09:11
 Operator : SY/MD
 Sample : VL0627ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0627ABL01

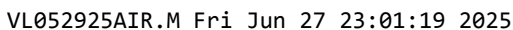
Quant Time: Jun 27 23:01:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

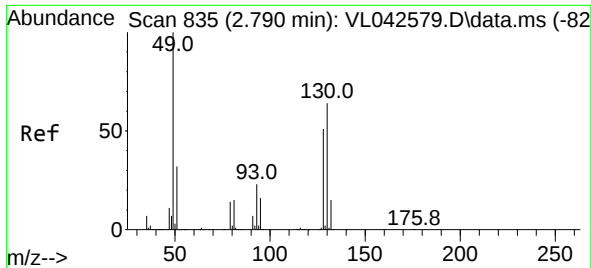
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.784	49	106054	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	269611	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	234616	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	172650	9.817	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
4) Chloromethane	1.528	50	172	0.033	ppbv	96
13) Ethanol	1.887	45	803	0.932	ppbv #	39
15) Acetone	1.835	43	2184	0.171	ppbv #	88
16) 1,3-Butadiene	1.596	39	195	0.032	ppbv #	13
17) tert-Butyl alcohol	2.043	59	632	0.047	ppbv #	78
19) Isopropyl Alcohol	1.887	45	803	0.105	ppbv #	44
20) Methylene Chloride	2.059	84	1201	0.285	ppbv #	78
34) 2-Butanone	2.564	43	802	0.042	ppbv #	81
39) 1,2-Dichloropropane	3.952	63	67838	6.909	ppbv #	23

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

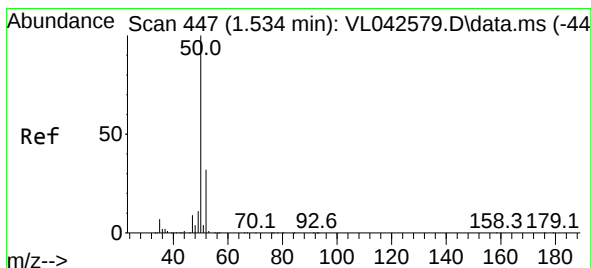
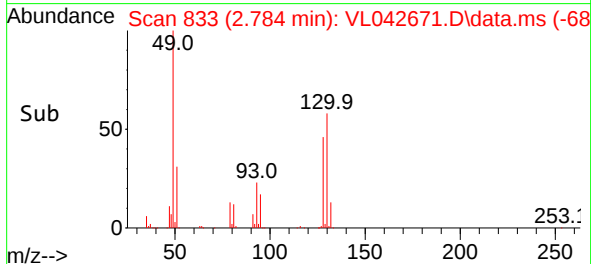
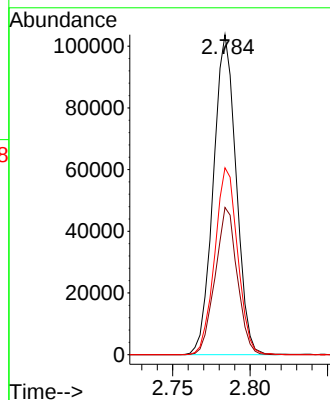
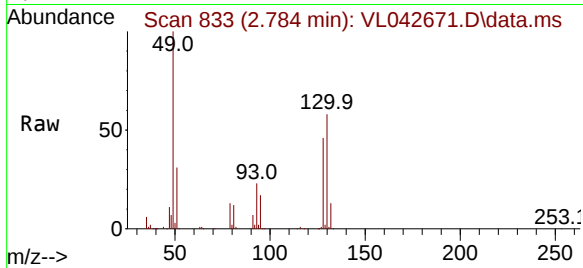




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042671.D
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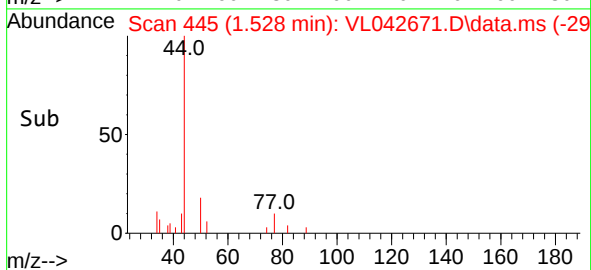
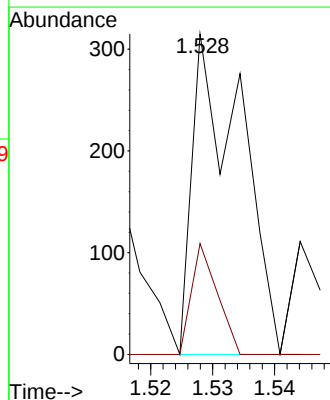
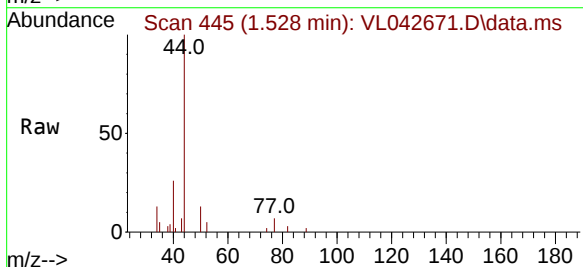
Instrument :
MSVOA_L
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VL0627ABL01

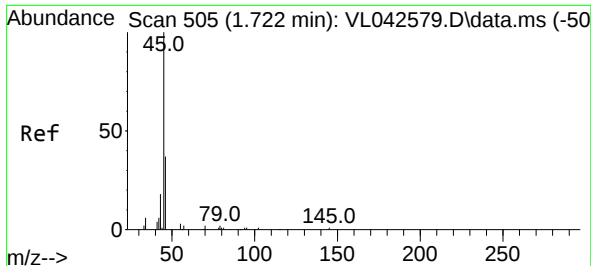
Tgt Ion: 49 Resp: 106054
Ion Ratio Lower Upper
49 100
128 44.5 24.2 72.6
130 58.6 30.4 91.2



#4
Chloromethane
Concen: 0.033 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.006 min
Lab File: VL042671.D
Acq: 27 Jun 2025 09:11

Tgt Ion: 50 Resp: 172
Ion Ratio Lower Upper
50 100
52 34.6 25.8 38.6

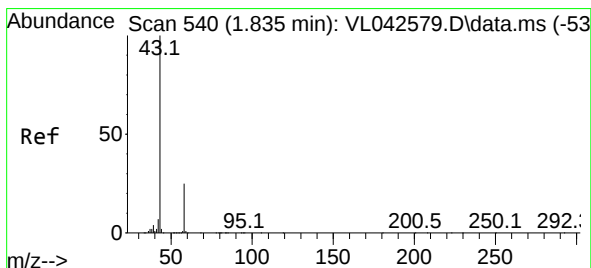
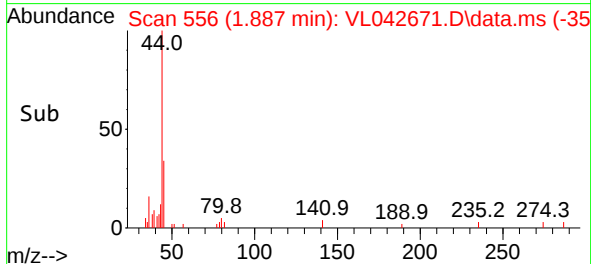
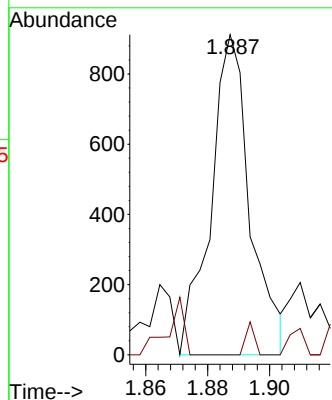
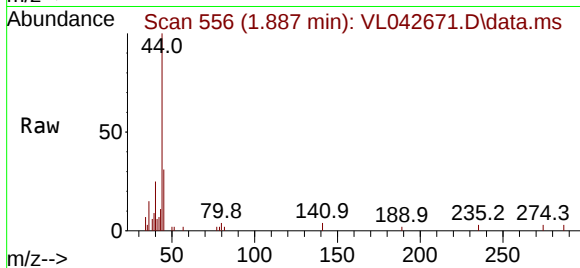




#13
Ethanol
Concen: 0.932 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.165 min
Lab File: VL042671.D
Acq: 27 Jun 2025 09:11

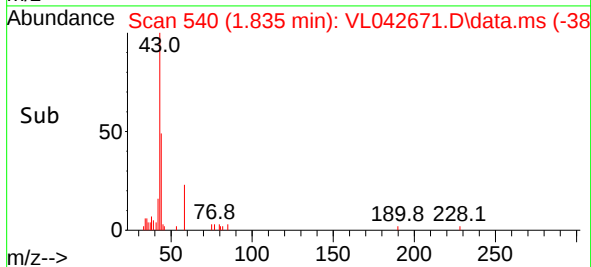
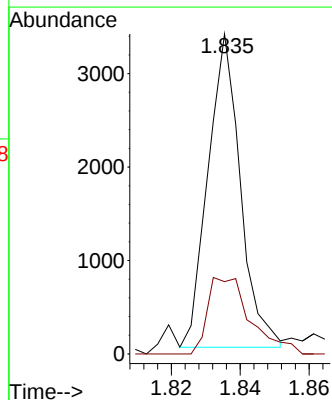
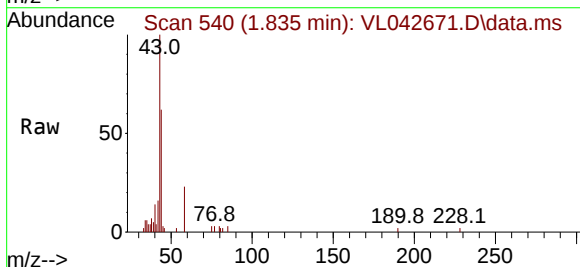
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABL01

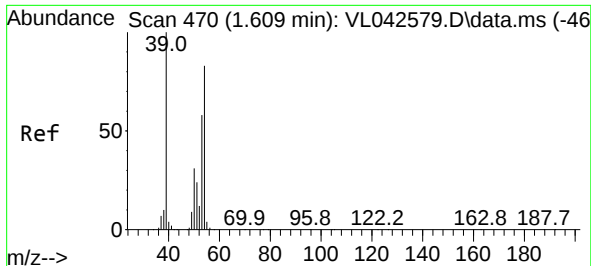
Tgt Ion: 45 Resp: 803
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1#



#15
Acetone
Concen: 0.171 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042671.D
Acq: 27 Jun 2025 09:11

Tgt Ion: 43 Resp: 2184
Ion Ratio Lower Upper
43 100
58 32.3 21.0 31.4#

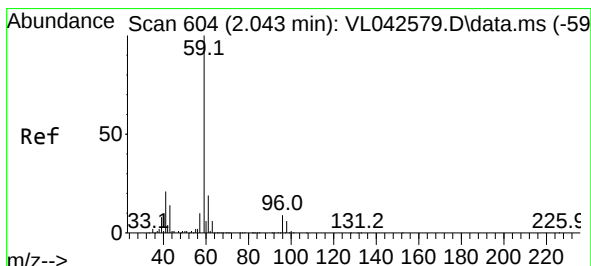
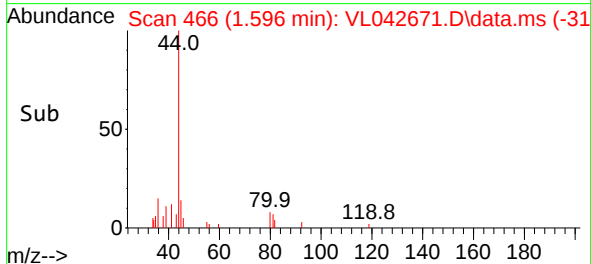
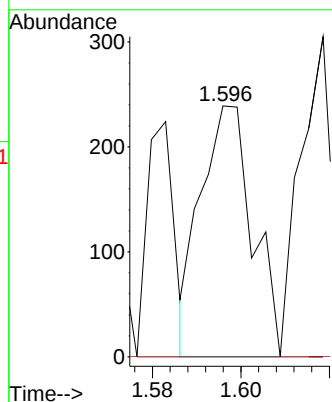
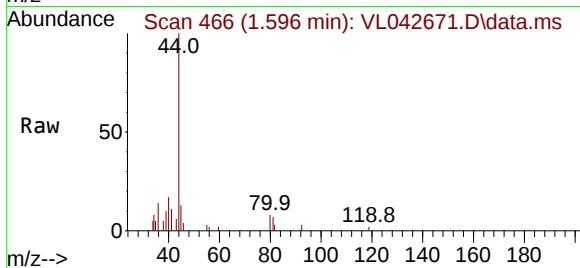




#16
1,3-Butadiene
Concen: 0.032 ppbv
RT: 1.596 min Scan# 466
Delta R.T. -0.013 min
Lab File: VL042671.D
Acq: 27 Jun 2025 09:11

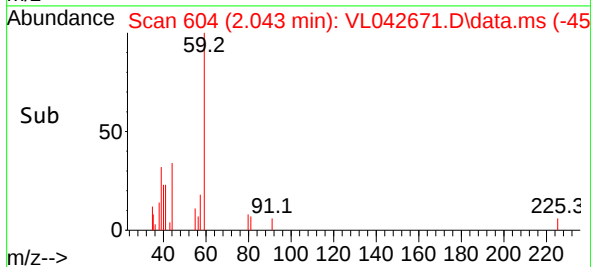
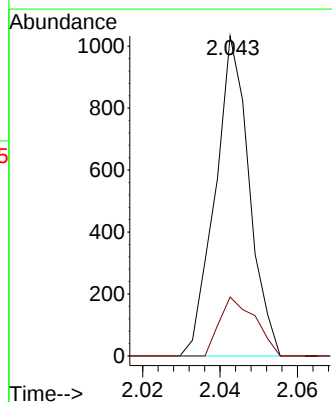
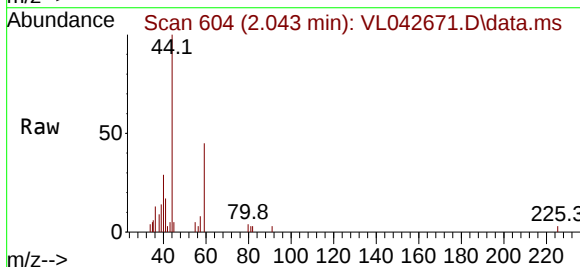
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABL01

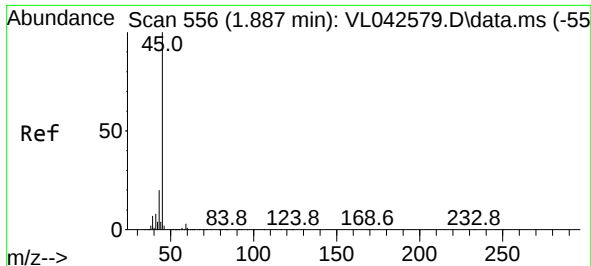
Tgt Ion: 39 Resp: 195
Ion Ratio Lower Upper
39 100
54 0.0 57.9 86.9#



#17
tert-Butyl alcohol
Concen: 0.047 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042671.D
Acq: 27 Jun 2025 09:11

Tgt Ion: 59 Resp: 632
Ion Ratio Lower Upper
59 100
57 19.1 8.6 12.8#

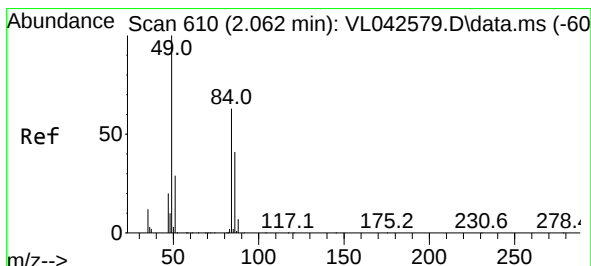
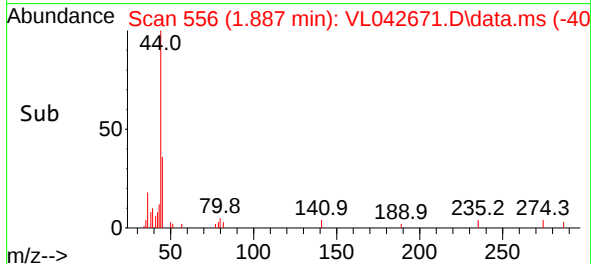
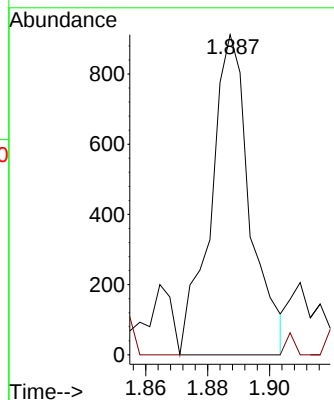
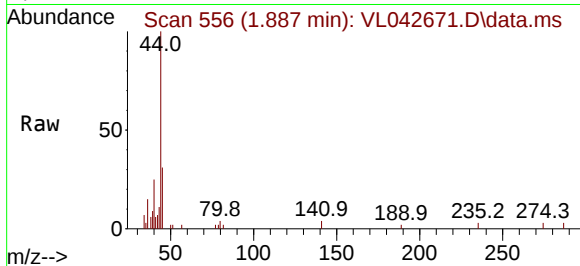




#19
Isopropyl Alcohol
Concen: 0.105 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042671.D
Acq: 27 Jun 2025 09:11

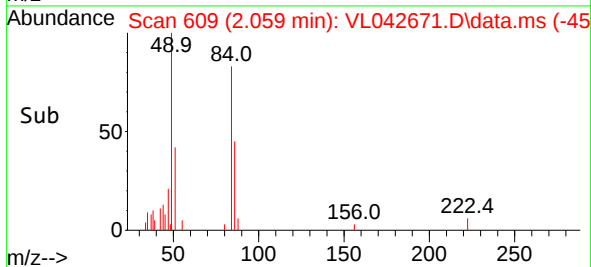
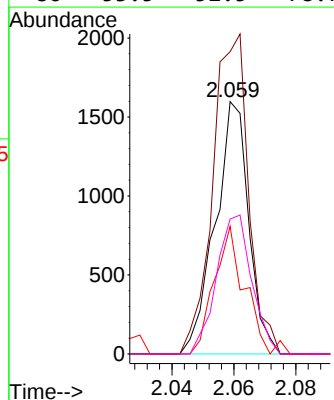
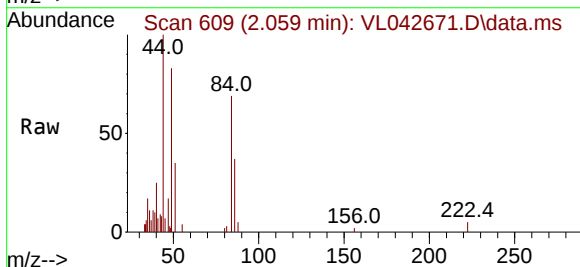
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABL01

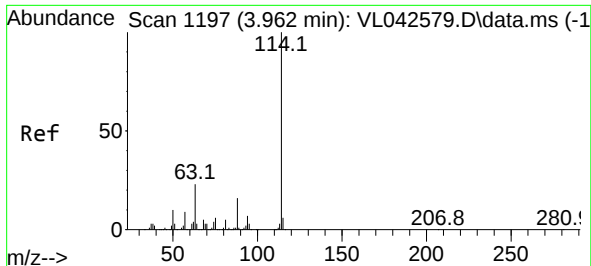
Tgt Ion: 45 Resp: 803
Ion Ratio Lower Upper
45 100
58 3.2 29.4 44.2#



#20
Methylene Chloride
Concen: 0.285 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042671.D
Acq: 27 Jun 2025 09:11

Tgt Ion: 84 Resp: 1201
Ion Ratio Lower Upper
84 100
49 119.8 128.8 193.2#
51 50.5 38.6 57.8
86 53.5 52.5 78.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.006 min

Lab File: VL042671.D

Acq: 27 Jun 2025 09:11

Instrument :

MSVOA_L

ClientSampleId :

VL0627ABL01

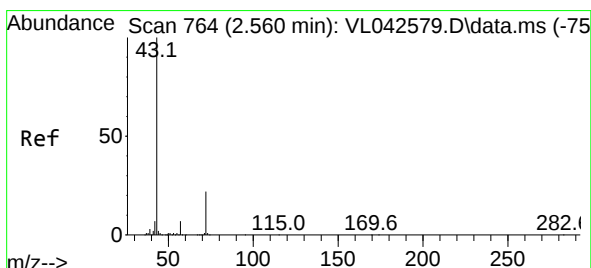
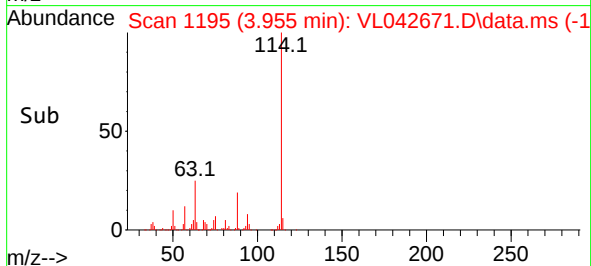
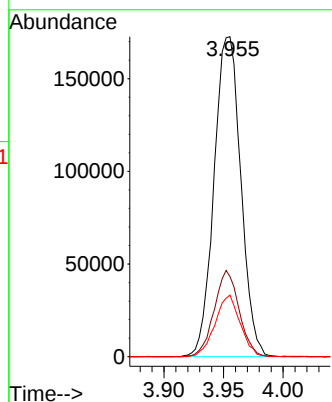
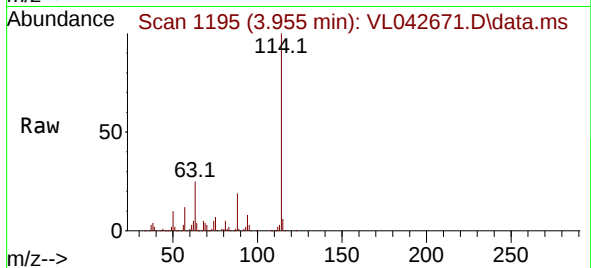
Tgt Ion:114 Resp: 269611

Ion Ratio Lower Upper

114 100

63 25.2 19.0 28.6

88 18.1 13.6 20.4



#34

2-Butanone

Concen: 0.042 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL042671.D

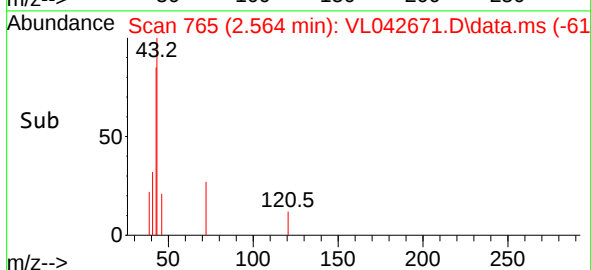
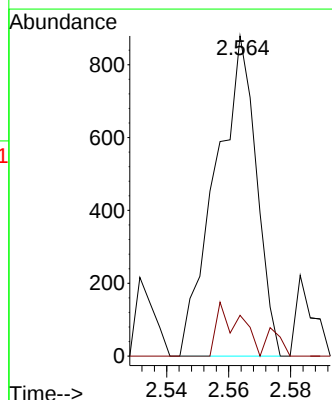
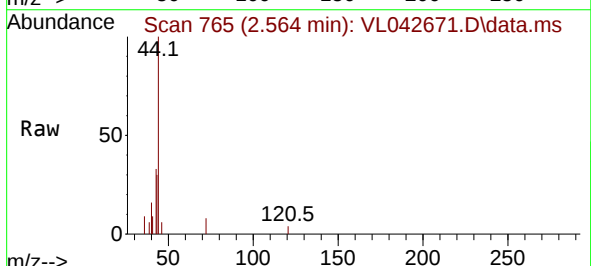
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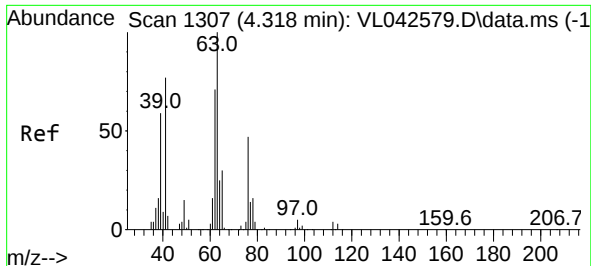
Tgt Ion: 43 Resp: 802

Ion Ratio Lower Upper

43 100

72 12.8 17.7 26.5#





#39

1,2-Dichloropropane

Concen: 6.909 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.366 min

Lab File: VL042671.D

Acq: 27 Jun 2025 09:11

Instrument :

MSVOA_L

ClientSampleId :

VL0627ABL01

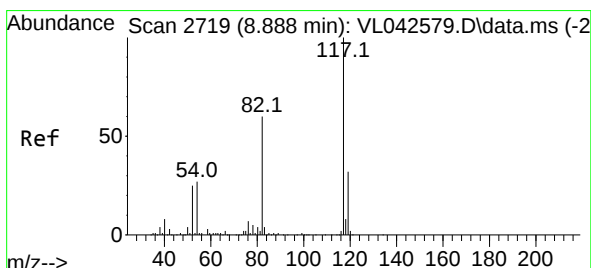
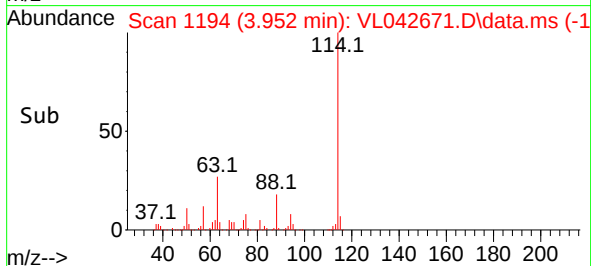
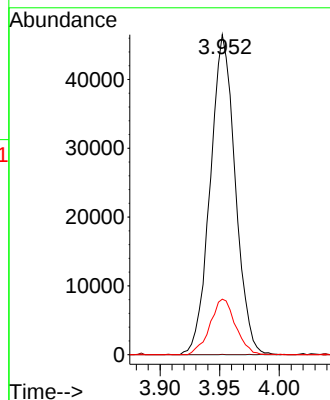
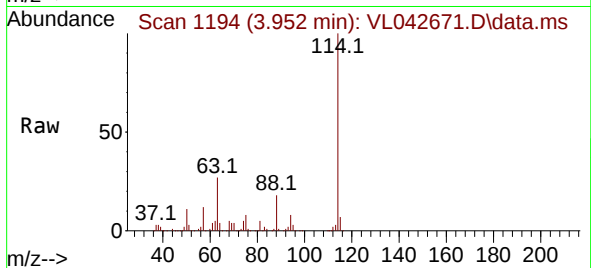
Tgt Ion: 63 Resp: 67838

Ion Ratio Lower Upper

63 100

41 0.1 61.8 92.6#

62 17.3 56.6 85.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2716

Delta R.T. -0.010 min

Lab File: VL042671.D

Acq: 27 Jun 2025 09:11

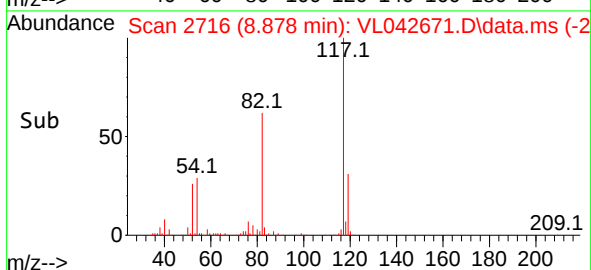
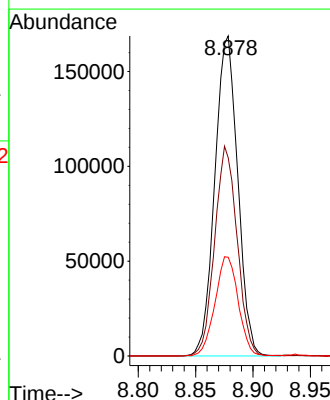
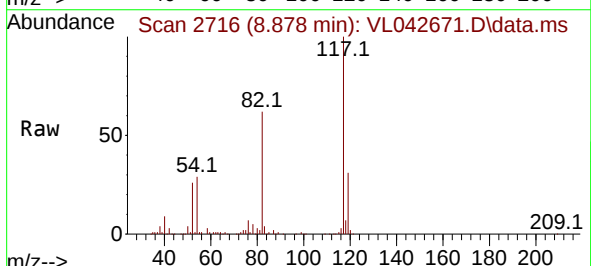
Tgt Ion: 117 Resp: 234616

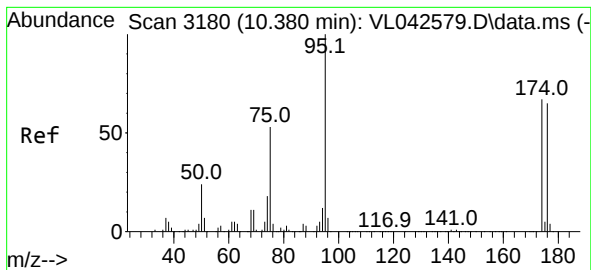
Ion Ratio Lower Upper

117 100

82 64.5 51.2 76.8

119 31.4 26.3 39.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.817 ppbv
 RT: 10.374 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VL042671.D
 Acq: 27 Jun 2025 09:11

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 MSVOA_L
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Tgt Ion: 95 Resp: 172650
 Ion Ratio Lower Upper
 95 100
 174 63.1 53.1 79.7
 175 4.5 4.2 6.2

