

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042258.D
 Acq On : 08 Apr 2025 12:05
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 09 01:54:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

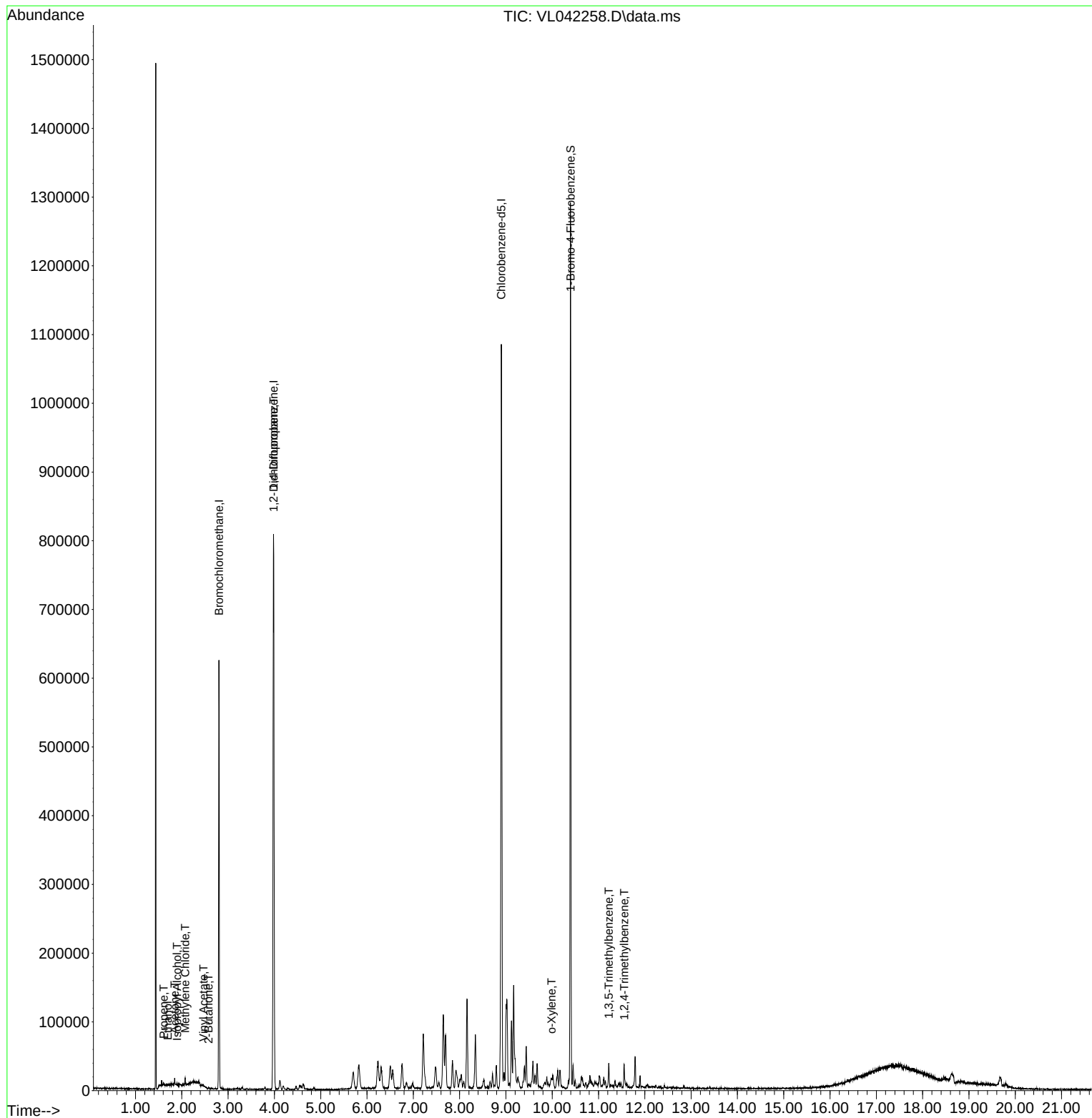
Internal Standards						
1) Bromochloromethane	2.803	49	172280	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	500228	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	445783	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	335287	9.159	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.600%
Target Compounds						
					Qvalue	
9) Propene	1.609	41	701	0.059	ppbv	84
13) Ethanol	1.696	45	203	0.180	ppbv #	27
15) Acetone	1.845	43	4361	0.181	ppbv #	88
19) Isopropyl Alcohol	1.897	45	755	0.056	ppbv #	52
20) Methylene Chloride	2.072	84	1452	0.162	ppbv #	90
23) Vinyl Acetate	2.470	43	637	0.061	ppbv #	61
34) 2-Butanone	2.576	43	1243	0.034	ppbv #	89
39) 1,2-Dichloropropane	3.984	63	124229	6.879	ppbv #	21
60) o-Xylene	9.985	91	5270	0.083	ppbv	82
73) 1,3,5-Trimethylbenzene	11.222	105	6011	0.087	ppbv	92
74) 1,2,4-Trimethylbenzene	11.555	105	12171	0.153	ppbv #	60

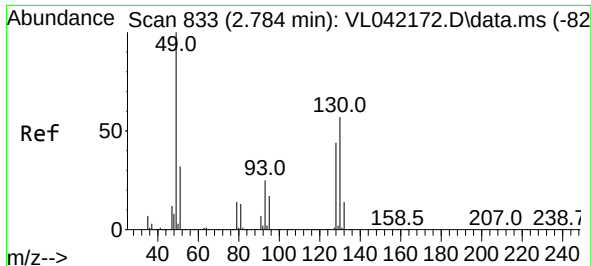
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

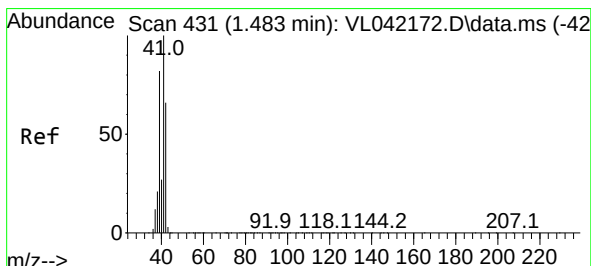
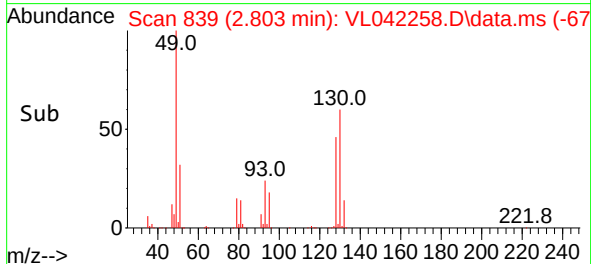
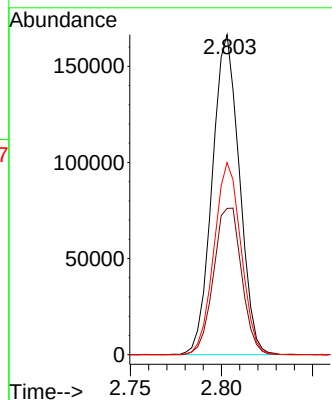
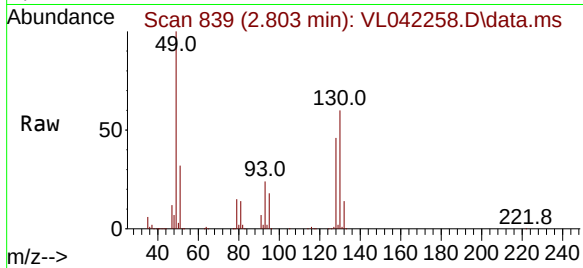




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042258.D
Acq: 08 Apr 2025 12:05

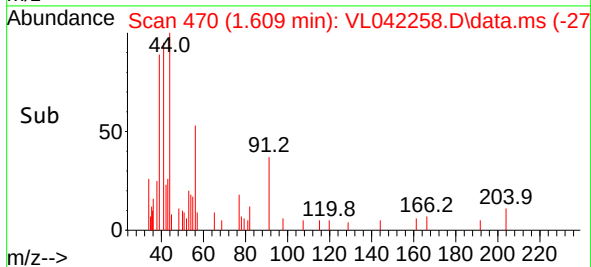
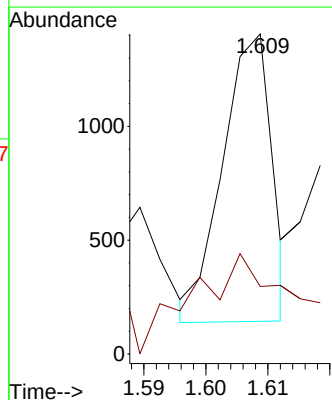
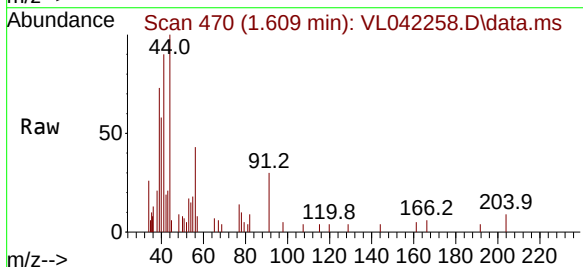
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

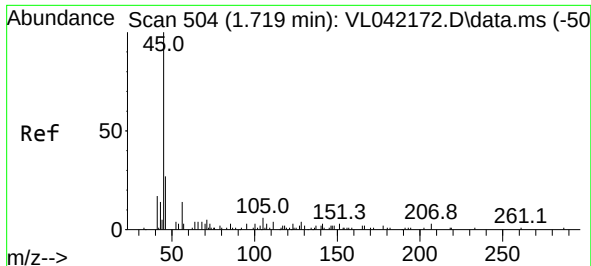
Tgt Ion: 49 Resp: 172280
Ion Ratio Lower Upper
49 100
128 47.6 22.9 68.5
130 59.9 28.8 86.4



#9
Propene
Concen: 0.059 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.126 min
Lab File: VL042258.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 41 Resp: 701
Ion Ratio Lower Upper
41 100
42 82.2 55.4 83.2

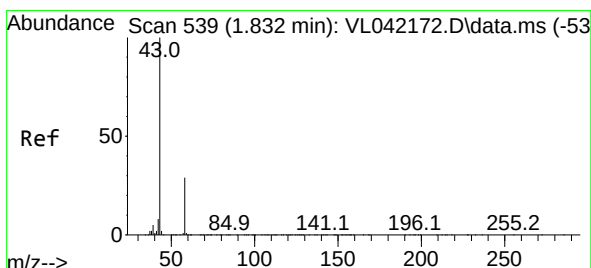
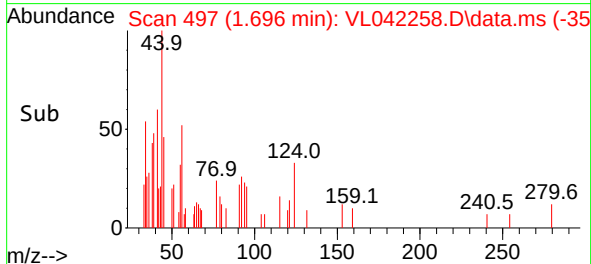
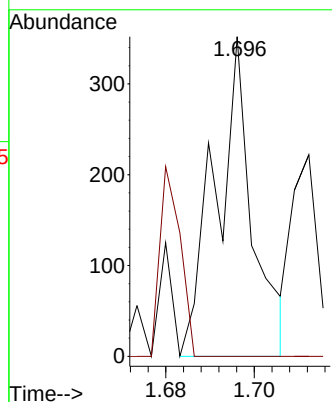
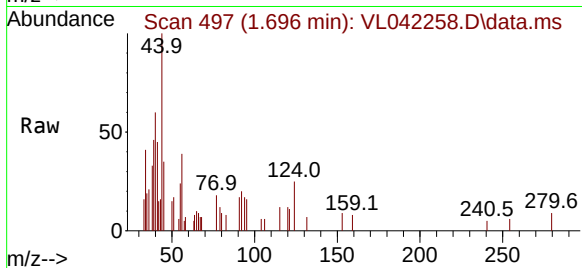




#13
Ethanol
Concen: 0.180 ppbv
RT: 1.696 min Scan# 497
Delta R.T. -0.023 min
Lab File: VL042258.D
Acq: 08 Apr 2025 12:05

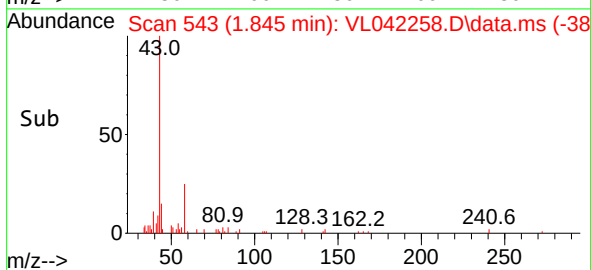
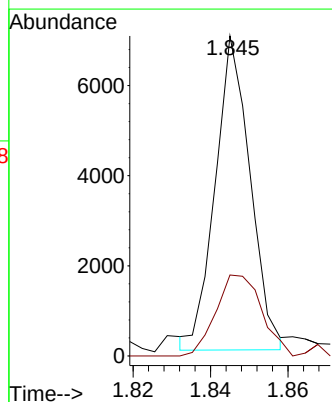
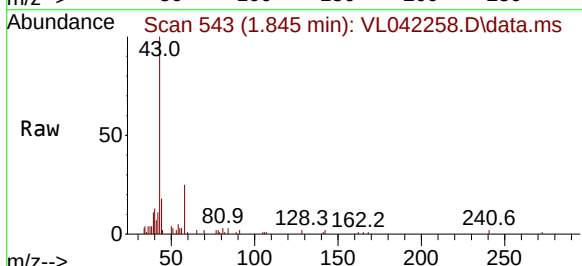
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

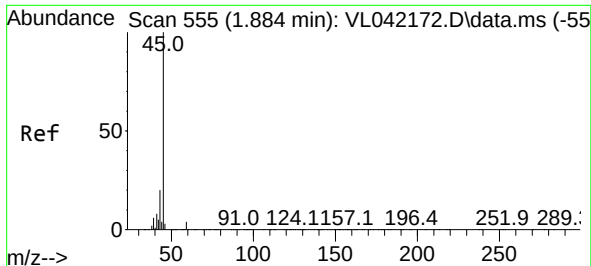
Tgt Ion: 45 Resp: 203
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#



#15
Acetone
Concen: 0.181 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042258.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 43 Resp: 4361
Ion Ratio Lower Upper
43 100
58 35.3 23.2 34.8#





#19

Isopropyl Alcohol

Concen: 0.056 ppbv

RT: 1.897 min Scan# 51

Delta R.T. 0.013 min

Lab File: VL042258.D

Acq: 08 Apr 2025 12:05

Instrument :

MSVOA_L

ClientSampleId :

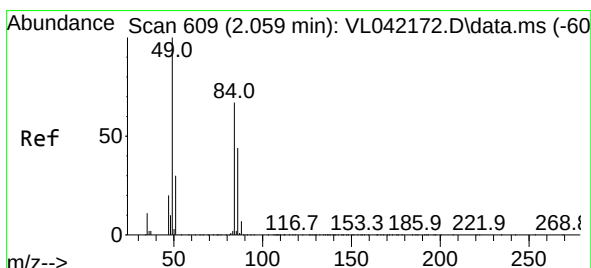
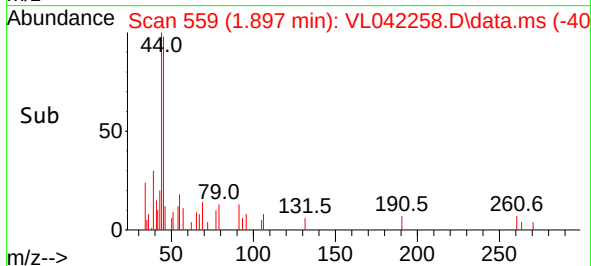
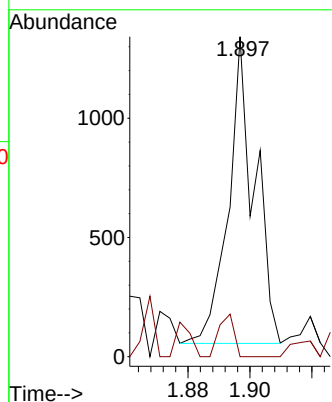
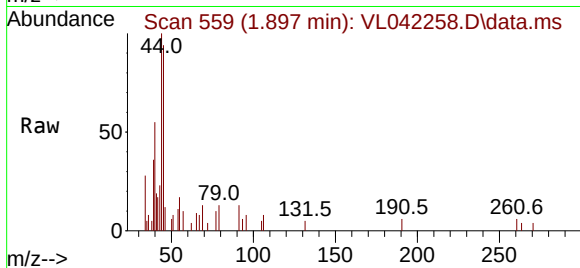
VIBLK

Tgt Ion: 45 Resp: 755

Ion Ratio Lower Upper

45 100

58 14.3 36.9 55.3#



#20

Methylene Chloride

Concen: 0.162 ppbv

RT: 2.072 min Scan# 613

Delta R.T. 0.013 min

Lab File: VL042258.D

Acq: 08 Apr 2025 12:05

Tgt Ion: 84 Resp: 1452

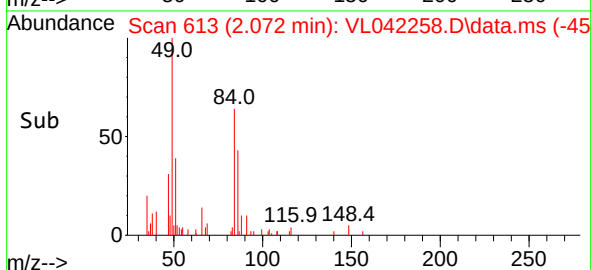
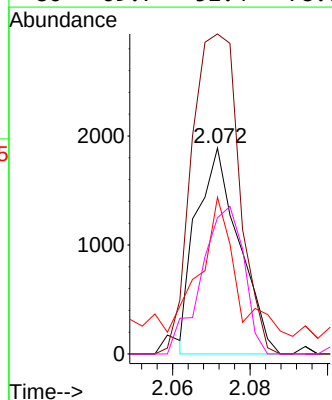
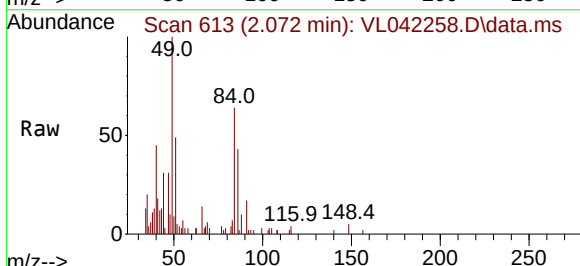
Ion Ratio Lower Upper

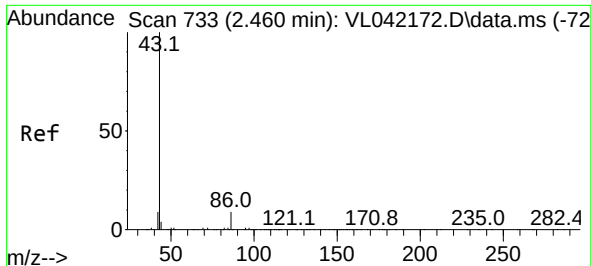
84 100

49 155.4 120.2 180.4

51 72.0 37.4 56.0#

86 69.7 52.4 78.6

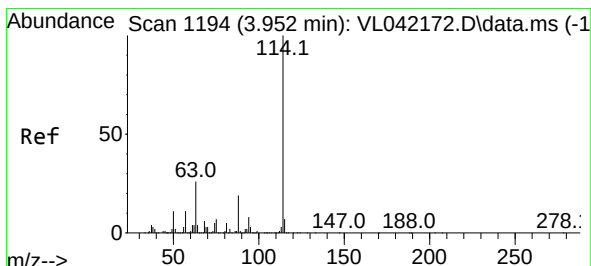
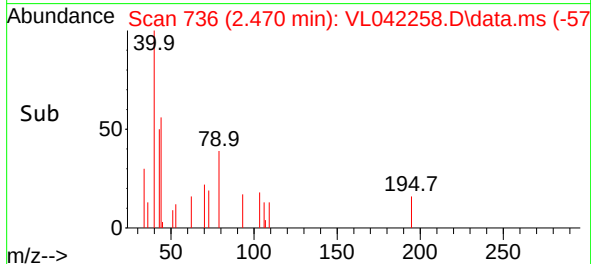
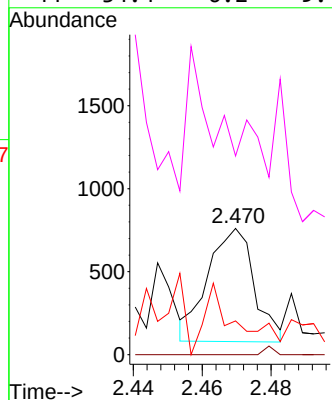
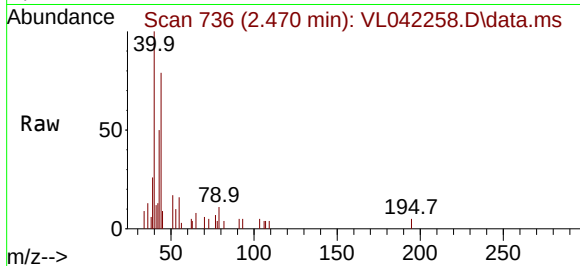




#23
Vinyl Acetate
Concen: 0.061 ppbv
RT: 2.470 min Scan# 71
Delta R.T. 0.009 min
Lab File: VL042258.D
Acq: 08 Apr 2025 12:05

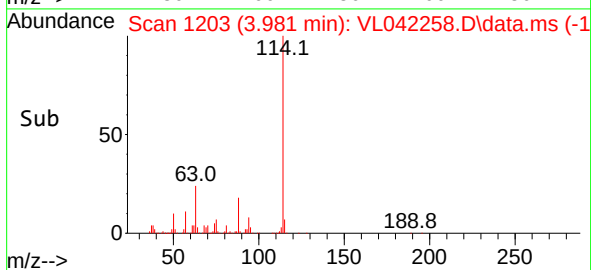
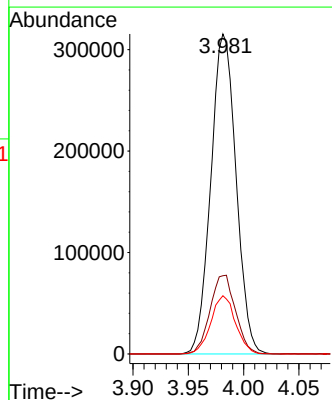
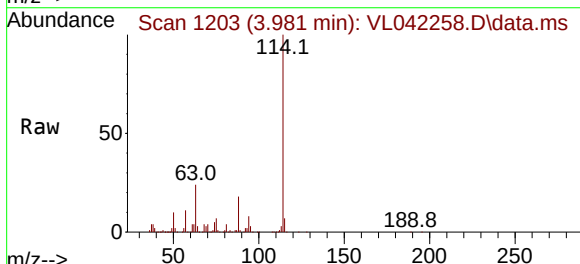
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

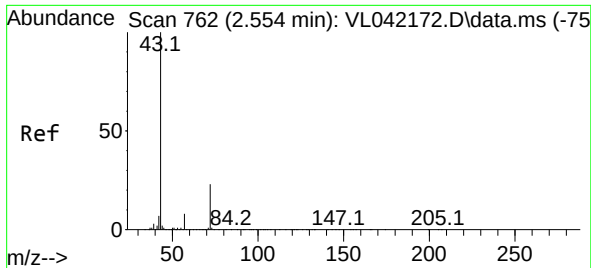
Tgt Ion: 43	Resp: 637
Ion Ratio	Lower Upper
43	100
86	0.0 5.5 8.3#
42	20.2 8.6 13.0#
44	34.4 6.2 9.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.029 min
Lab File: VL042258.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 114	Resp: 500228
Ion Ratio	Lower Upper
114	100
63	24.8 20.7 31.1
88	17.8 15.0 22.4

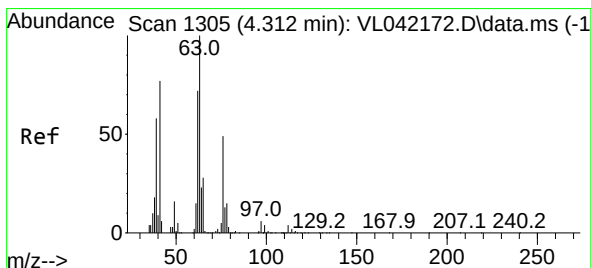
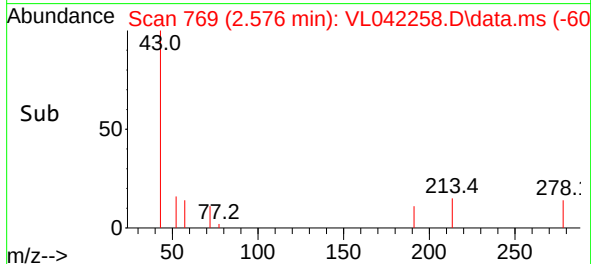
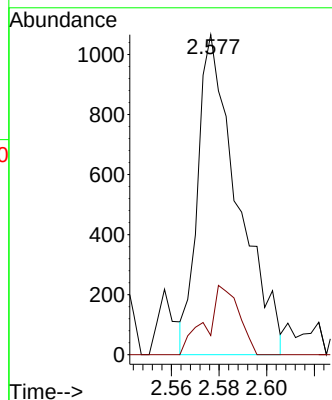
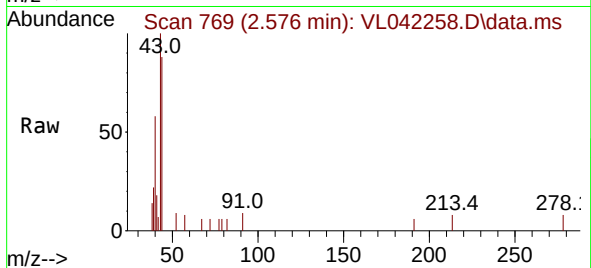




#34
2-Butanone
Concen: 0.034 ppbv
RT: 2.576 min Scan# 7
Delta R.T. 0.022 min
Lab File: VL042258.D
Acq: 08 Apr 2025 12:05

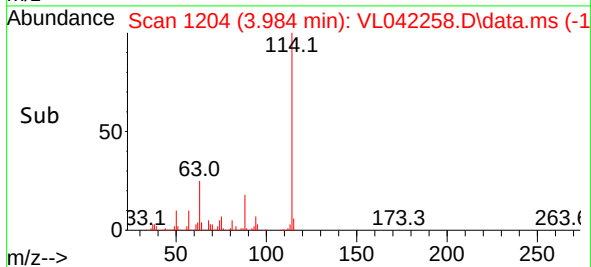
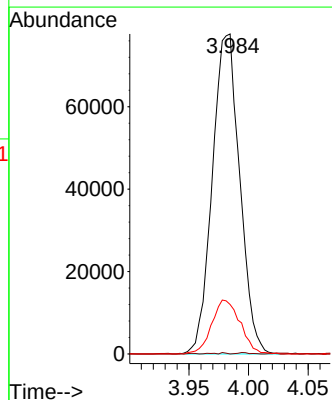
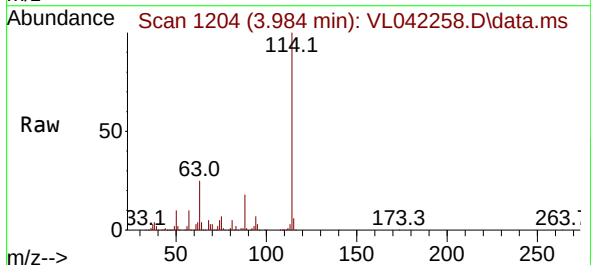
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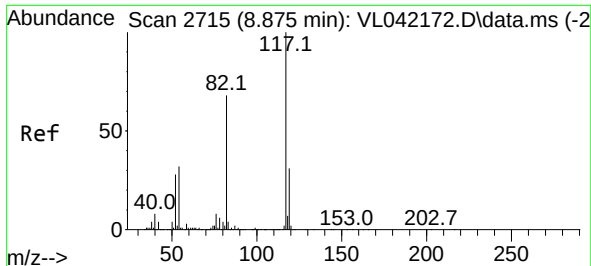
Tgt Ion: 43 Resp: 1243
Ion Ratio Lower Upper
43 100
72 17.6 18.2 27.2#



#39
1,2-Dichloropropane
Concen: 6.879 ppbv
RT: 3.984 min Scan# 1204
Delta R.T. -0.327 min
Lab File: VL042258.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 63 Resp: 124229
Ion Ratio Lower Upper
63 100
41 0.0 61.7 92.5#
62 15.5 57.6 86.4#

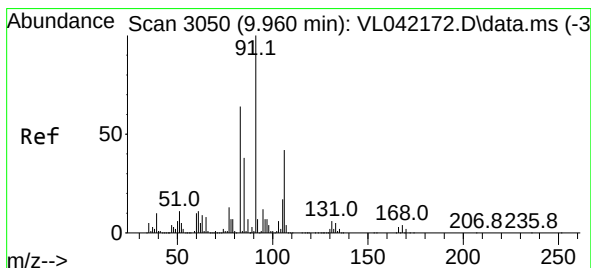
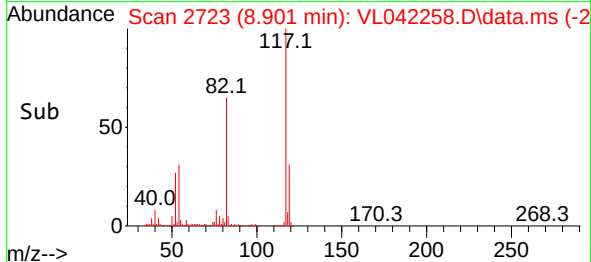
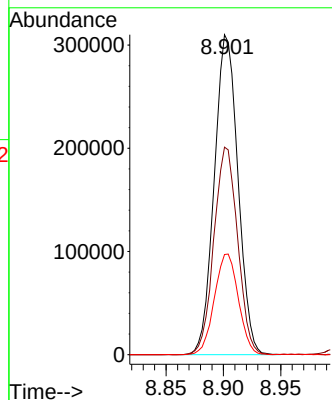
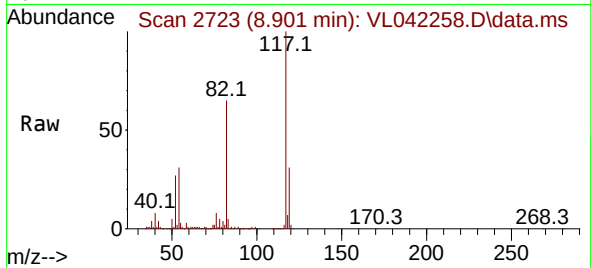




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL042258.D
Acq: 08 Apr 2025 12:05

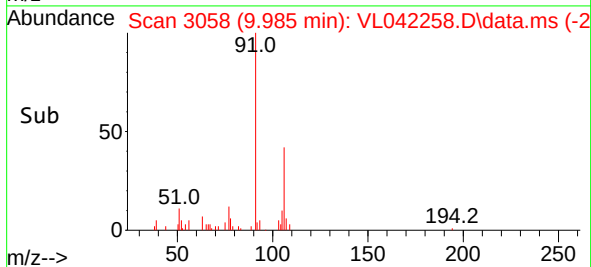
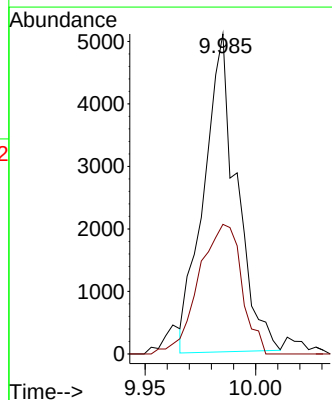
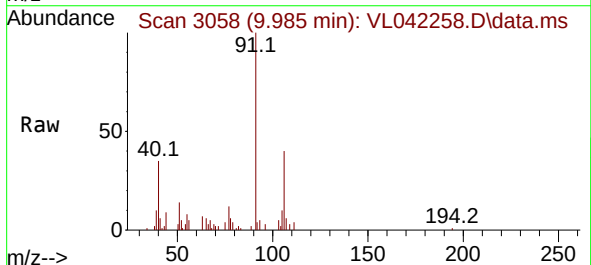
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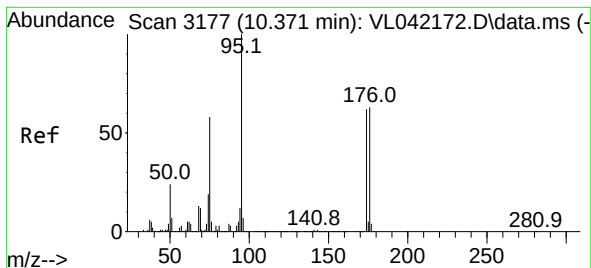
Tgt Ion:117 Resp: 445783
Ion Ratio Lower Upper
117 100
82 64.9 55.8 83.6
119 31.9 25.5 38.3



#60
o-Xylene
Concen: 0.083 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.026 min
Lab File: VL042258.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 91 Resp: 5270
Ion Ratio Lower Upper
91 100
106 53.0 20.8 62.5





#68

1-Bromo-4-Fluorobenzene

Concen: 9.159 ppbv

RT: 10.396 min Scan# 3177

Delta R.T. 0.026 min

Lab File: VL042258.D

Acq: 08 Apr 2025 12:05

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

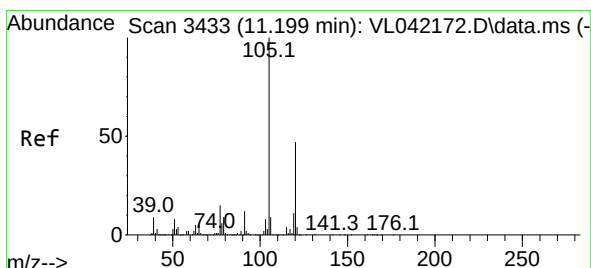
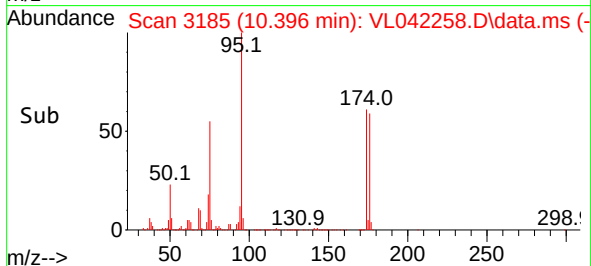
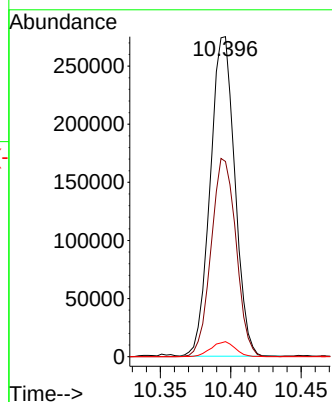
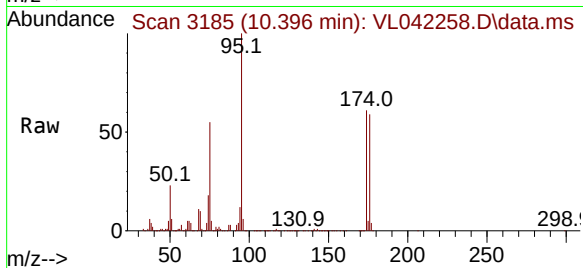
Tgt Ion: 95 Resp: 335287

Ion Ratio Lower Upper

95 100

174 63.1 50.6 76.0

175 4.6 3.8 5.6



#73

1,3,5-Trimethylbenzene

Concen: 0.087 ppbv

RT: 11.222 min Scan# 3440

Delta R.T. 0.022 min

Lab File: VL042258.D

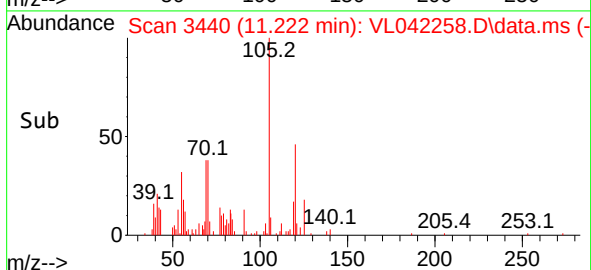
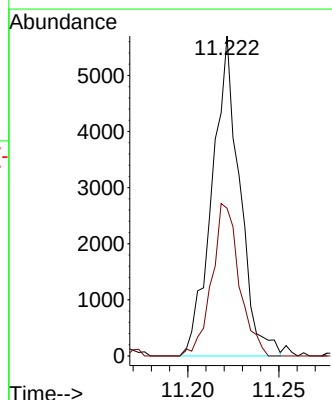
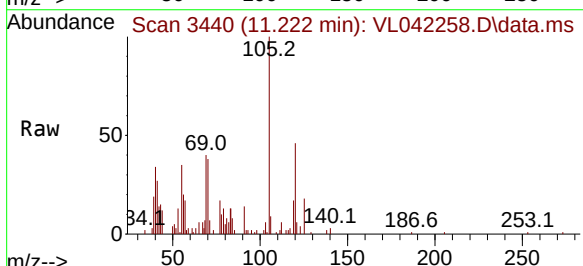
Acq: 08 Apr 2025 12:05

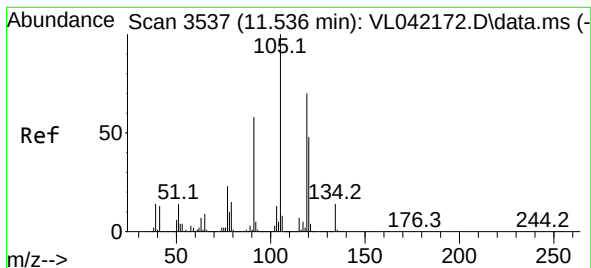
Tgt Ion: 105 Resp: 6011

Ion Ratio Lower Upper

105 100

120 52.3 37.4 56.0





#74

1,2,4-Trimethylbenzene

Concen: 0.153 ppbv

RT: 11.555 min Scan# 3

Delta R.T. 0.019 min

Lab File: VL042258.D

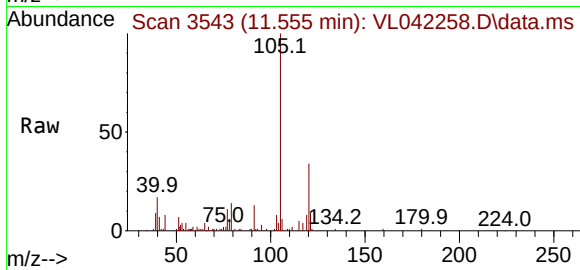
Acq: 08 Apr 2025 12:05

Instrument :

MSVOA_L

ClientSampleId :

VIBLK



Tgt Ion:105 Resp: 12171

Ion Ratio Lower Upper

105 100

120 33.7 38.6 58.0#

91 12.9 46.2 69.2#

77 10.5 18.6 27.8#

