

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042103.D
 Acq On : 05 Mar 2025 14:18
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Mar 06 01:08:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

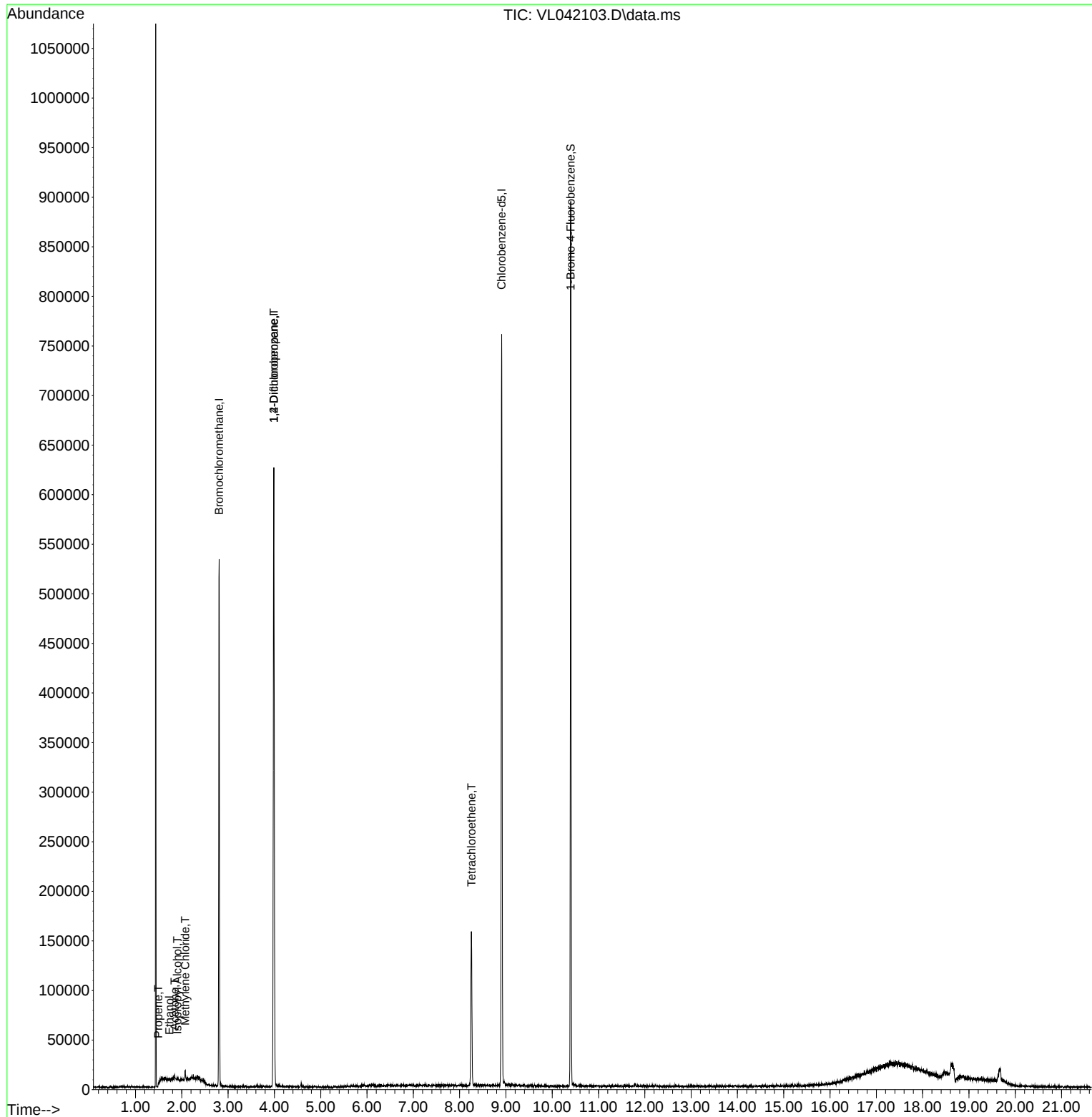
Internal Standards						
1) Bromochloromethane	2.806	49	159772	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.988	114	366166	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.907	117	306394	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.399	95	222743	9.449	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.500%
Target Compounds						
					Qvalue	
9) Propene	1.492	41	427	0.045	ppbv #	38
13) Ethanol	1.735	45	235	0.391	ppbv #	33
15) Acetone	1.845	43	2282	0.162	ppbv	99
19) Isopropyl Alcohol	1.900	45	609	0.075	ppbv #	55
20) Methylene Chloride	2.075	84	1443	0.270	ppbv #	77
39) 1,2-Dichloropropane	3.988	63	95297	6.550	ppbv #	25
52) Tetrachloroethene	8.254	164	15554	1.185	ppbv	95

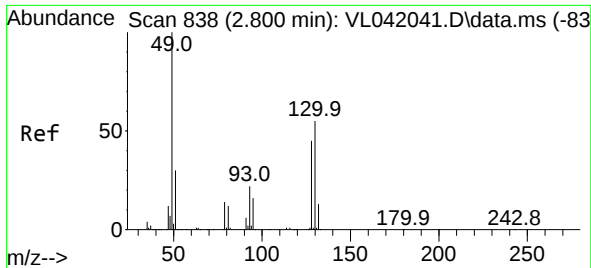
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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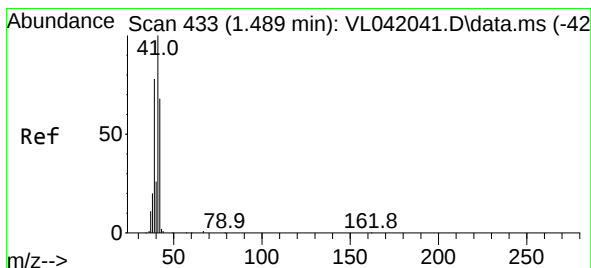
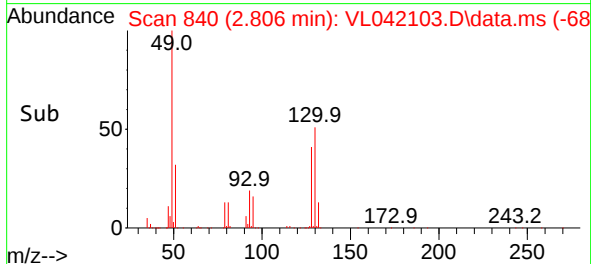
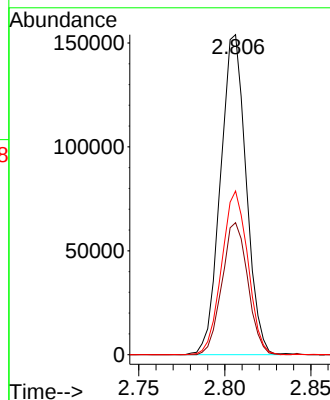
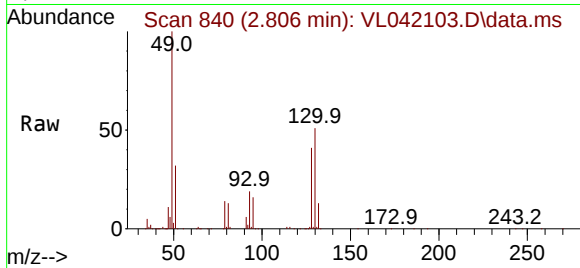




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.806 min Scan# 84
 Delta R.T. 0.006 min
 Lab File: VL042103.D
 Acq: 05 Mar 2025 14:18

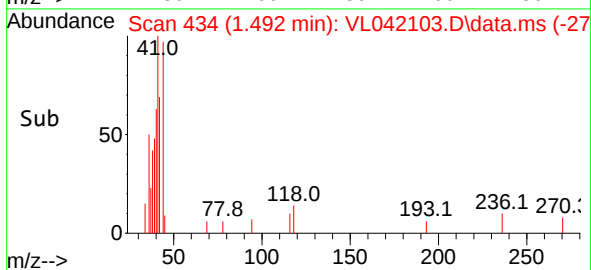
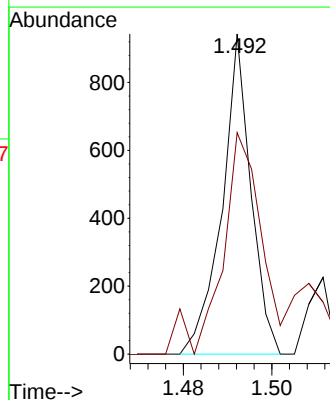
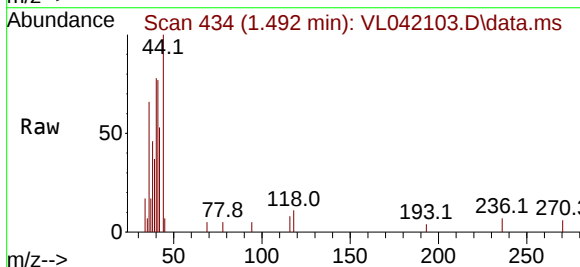
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

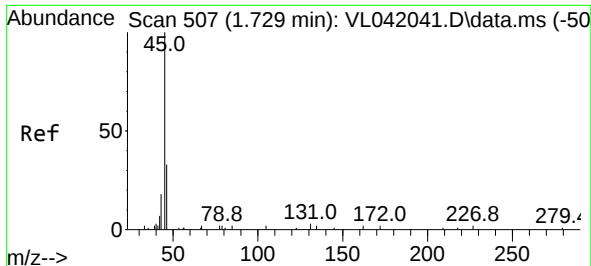
Tgt Ion: 49 Resp: 159772
 Ion Ratio Lower Upper
 49 100
 128 41.5 21.6 64.8
 130 52.3 27.8 83.4



#9
 Propene
 Concen: 0.045 ppbv
 RT: 1.492 min Scan# 434
 Delta R.T. 0.003 min
 Lab File: VL042103.D
 Acq: 05 Mar 2025 14:18

Tgt Ion: 41 Resp: 427
 Ion Ratio Lower Upper
 41 100
 42 120.4 55.8 83.6#

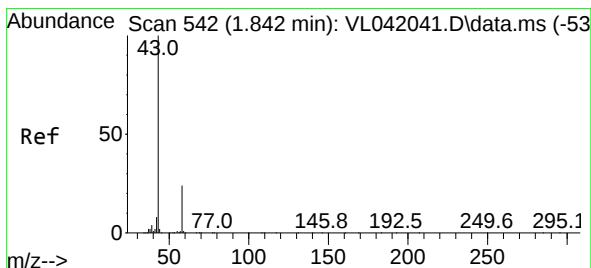
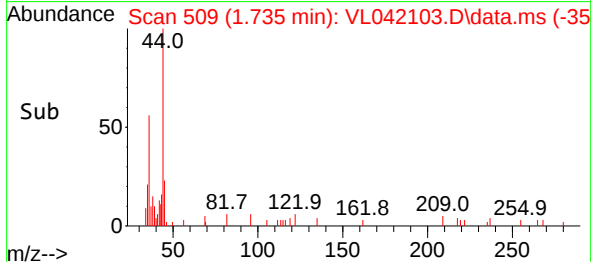
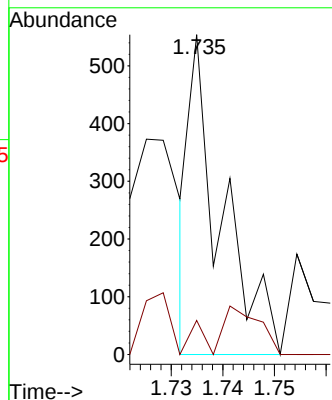
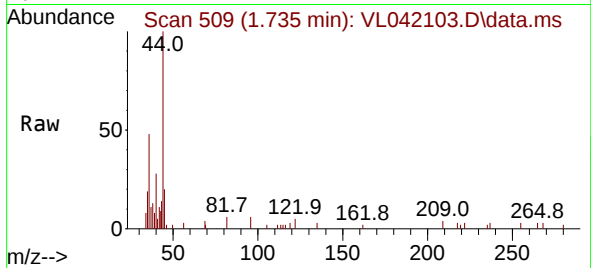




#13
Ethanol
Concen: 0.391 ppbv
RT: 1.735 min Scan# 507
Delta R.T. 0.006 min
Lab File: VL042103.D
Acq: 05 Mar 2025 14:18

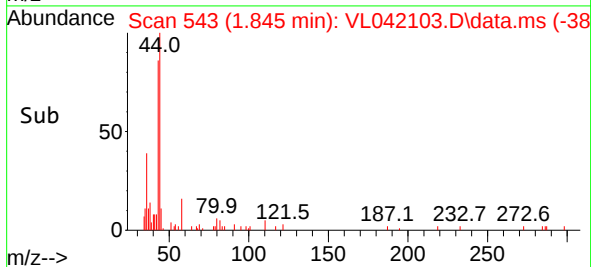
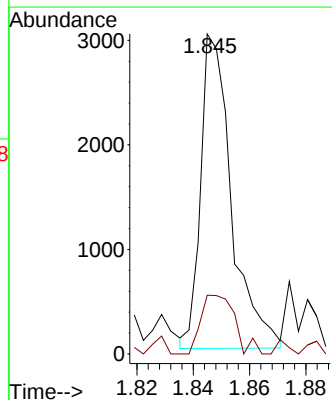
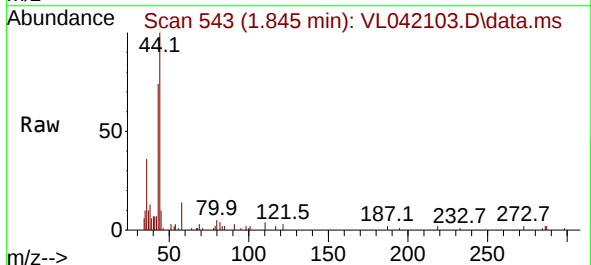
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

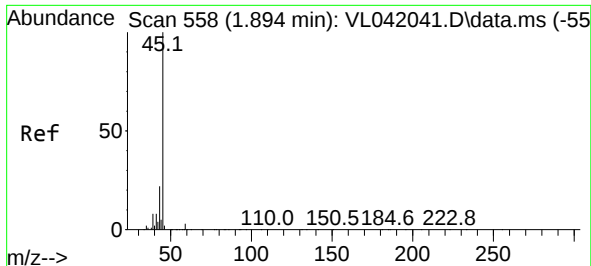
Tgt Ion: 45 Resp: 235
Ion Ratio Lower Upper
45 100
46 0.0 17.1 68.3#



#15
Acetone
Concen: 0.162 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL042103.D
Acq: 05 Mar 2025 14:18

Tgt Ion: 43 Resp: 2282
Ion Ratio Lower Upper
43 100
58 26.3 20.7 31.1

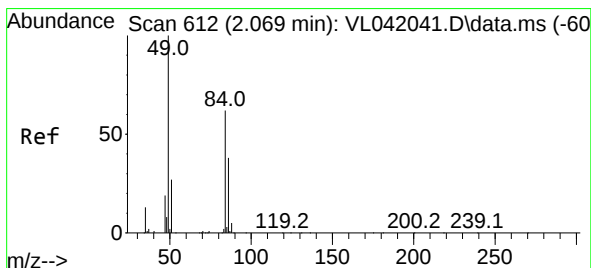
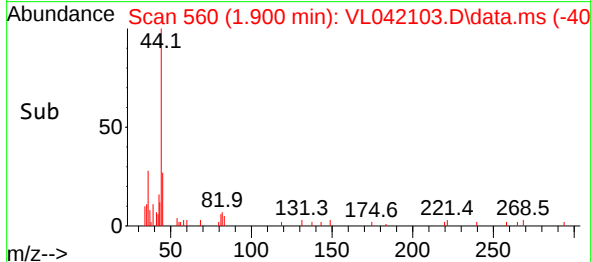
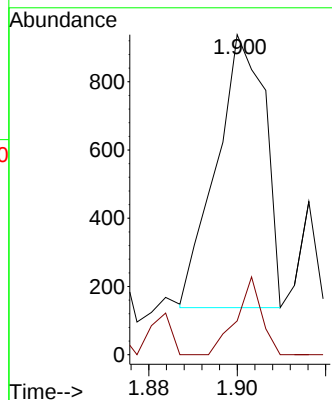
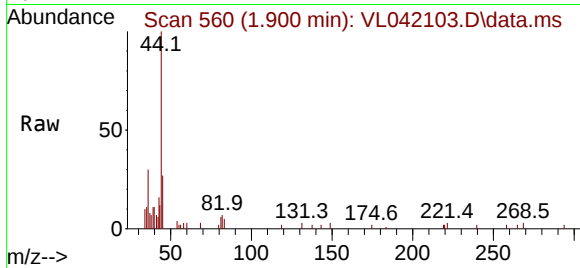




#19
Isopropyl Alcohol
Concen: 0.075 ppbv
RT: 1.900 min Scan# 510
Delta R.T. 0.006 min
Lab File: VL042103.D
Acq: 05 Mar 2025 14:18

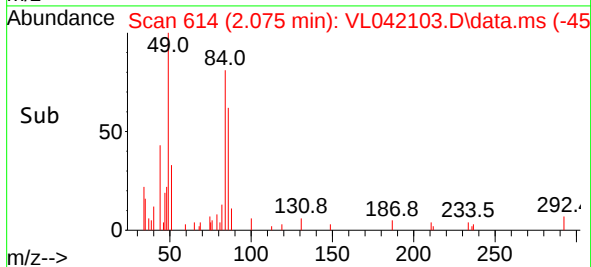
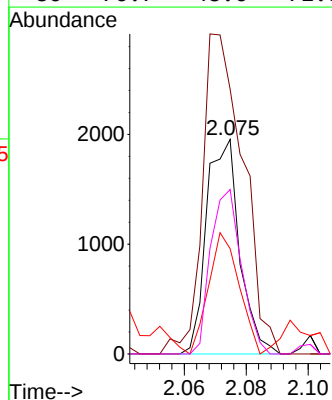
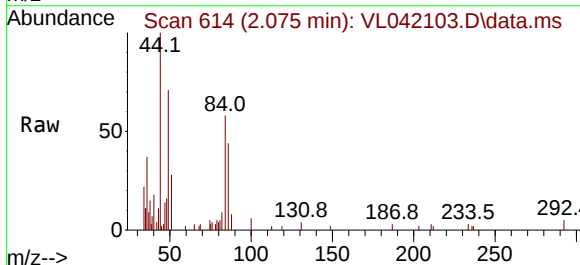
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

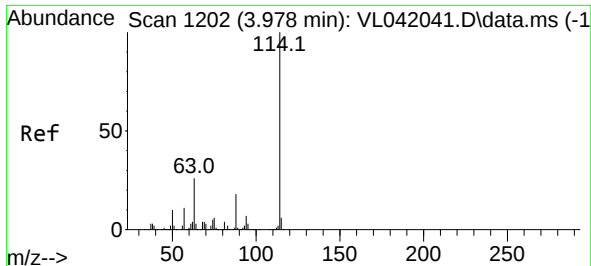
Tgt Ion: 45 Resp: 609
Ion Ratio Lower Upper
45 100
58 14.8 35.3 52.9#



#20
Methylene Chloride
Concen: 0.270 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.006 min
Lab File: VL042103.D
Acq: 05 Mar 2025 14:18

Tgt Ion: 84 Resp: 1443
Ion Ratio Lower Upper
84 100
49 123.5 130.0 195.0#
51 46.0 37.4 56.0
86 76.7 48.6 72.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.988 min Scan# 1205

Delta R.T. 0.009 min

Lab File: VL042103.D

Acq: 05 Mar 2025 14:18

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

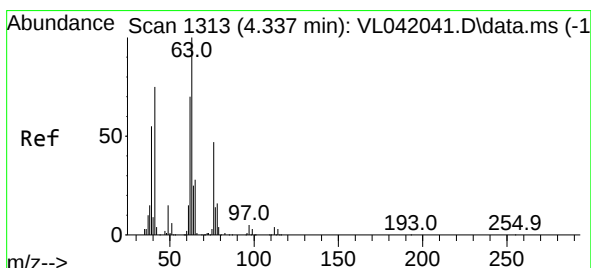
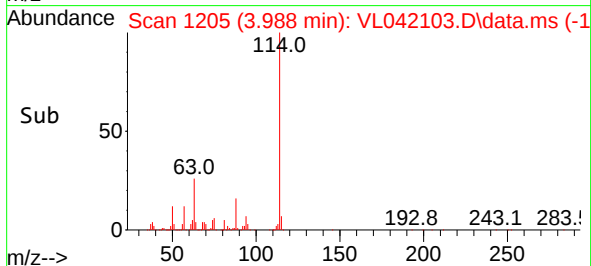
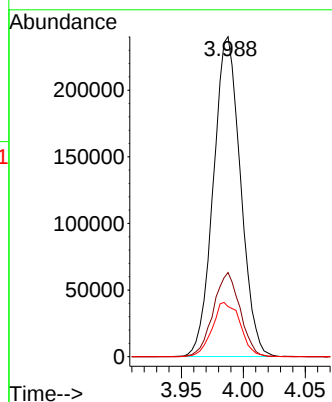
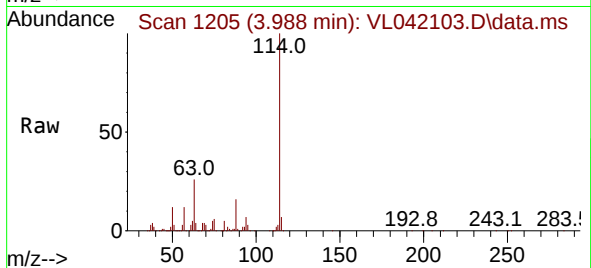
Tgt Ion:114 Resp: 366166

Ion Ratio Lower Upper

114 100

63 26.1 20.1 30.1

88 17.6 14.3 21.5



#39

1,2-Dichloropropane

Concen: 6.550 ppbv

RT: 3.988 min Scan# 1205

Delta R.T. -0.350 min

Lab File: VL042103.D

Acq: 05 Mar 2025 14:18

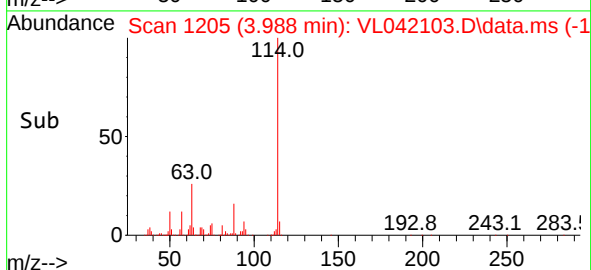
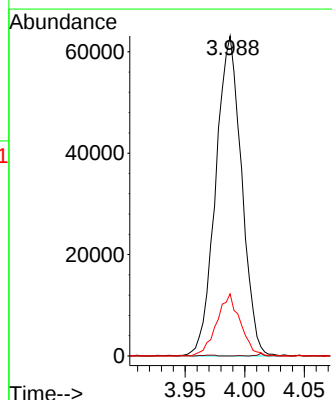
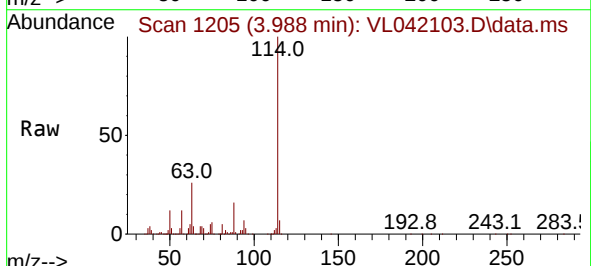
Tgt Ion: 63 Resp: 95297

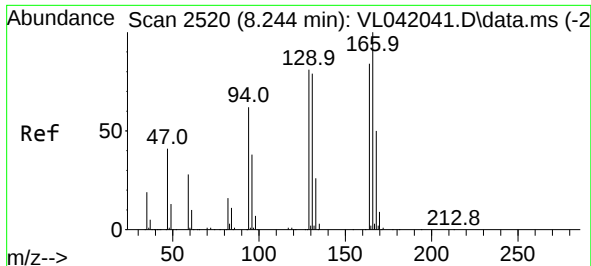
Ion Ratio Lower Upper

63 100

41 0.0 60.1 90.1#

62 19.4 55.8 83.8#

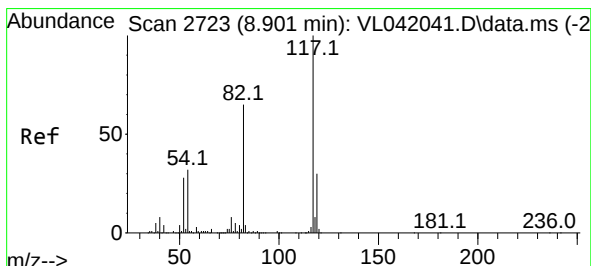
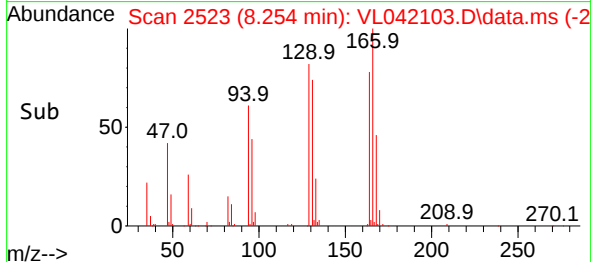
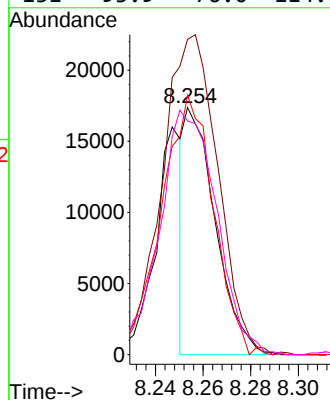
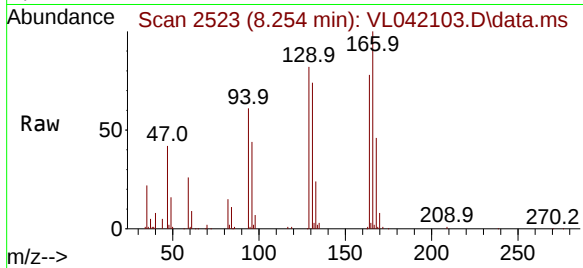




#52
Tetrachloroethene
Concen: 1.185 ppbv
RT: 8.254 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL042103.D
Acq: 05 Mar 2025 14:18

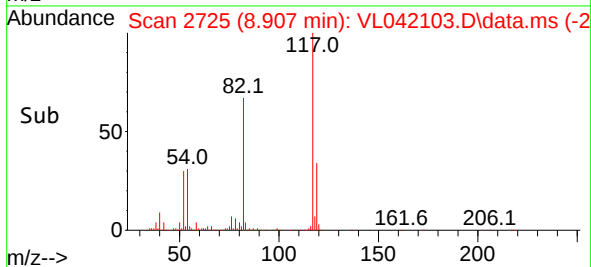
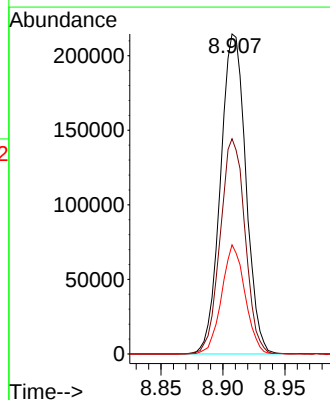
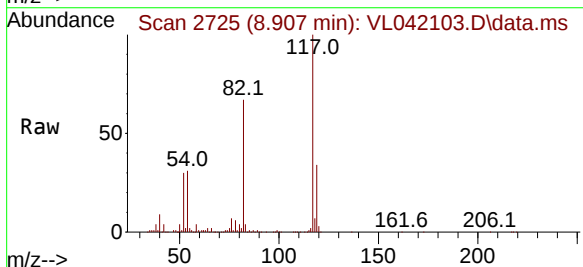
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MSVOA_L
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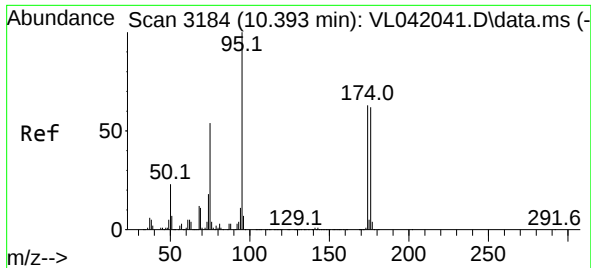
Tgt Ion:164	Resp:	15554
Ion	Ratio	Lower Upper
164	100	
166	126.5	95.7 143.5
129	104.5	77.1 115.7
131	93.9	76.0 114.0



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.907 min Scan# 2725
Delta R.T. 0.006 min
Lab File: VL042103.D
Acq: 05 Mar 2025 14:18

Tgt Ion:117	Resp:	306394
Ion	Ratio	Lower Upper
117	100	
82	65.8	55.0 82.6
119	31.5	25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.449 ppbv
 RT: 10.399 min Scan# 3186
 Delta R.T. 0.006 min
 Lab File: VL042103.D
 Acq: 05 Mar 2025 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion: 95 Resp: 222743

Ion	Ratio	Lower	Upper
95	100		
174	61.0	51.8	77.6
175	4.6	3.9	5.9

