

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080725\
 Data File : VL042828.D
 Acq On : 07 Aug 2025 11:34
 Operator : SY/MD
 Sample : QC080425 CAN 10608
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC080425 CAN 10608

Quant Time: Aug 08 01:15:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

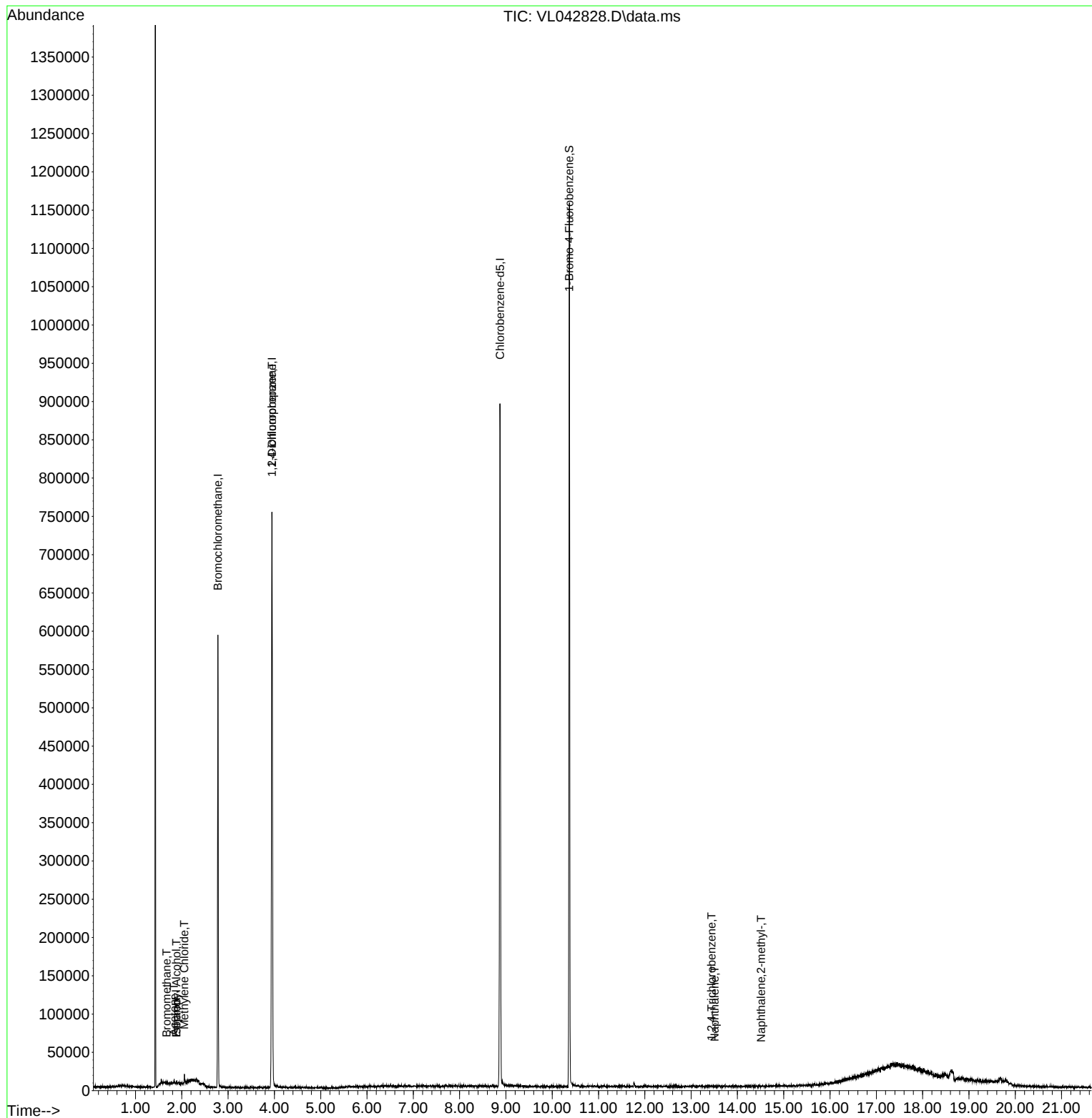
Internal Standards						
1) Bromochloromethane	2.781	49	159509	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	409935	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	347427	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.368	95	258713	9.403	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.000%
Target Compounds						
					Qvalue	
6) Bromomethane	1.674	94	176	0.054	ppbv #	1
13) Ethanol	1.884	45	1039	0.277	ppbv	85
15) Acetone	1.832	43	2399	0.109	ppbv #	71
19) Isopropyl Alcohol	1.884	45	1039	0.089	ppbv #	65
20) Methylene Chloride	2.056	84	1563	0.225	ppbv	91
39) 1,2-Dichloropropane	3.949	63	106089	7.398	ppbv #	22
79) Naphthalene	13.507	128	11	0.435	ppbv #	1
80) Naphthalene,2-methyl-	14.510	142	68	1.131	ppbv #	1
81) 1,2,4-Trichlorobenzene	13.442	180	60	0.437	ppbv #	12

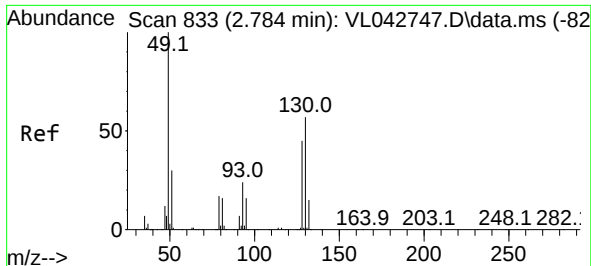
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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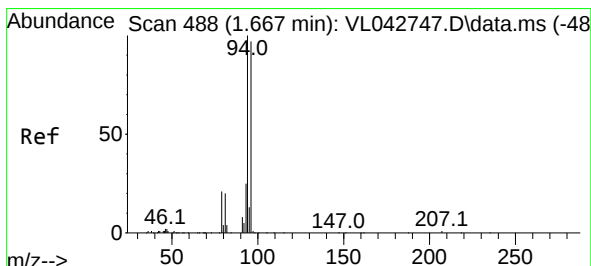
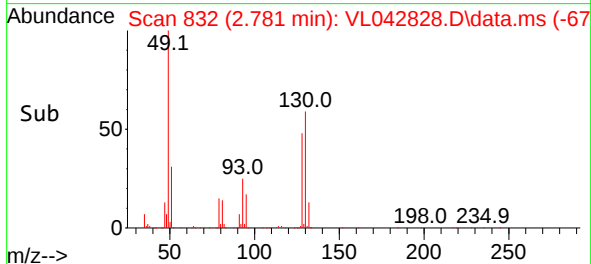
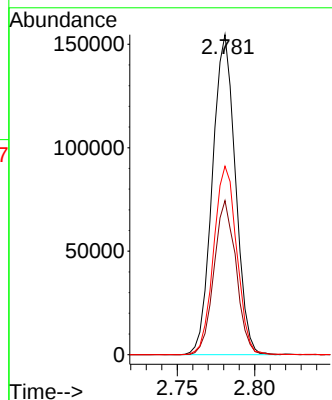
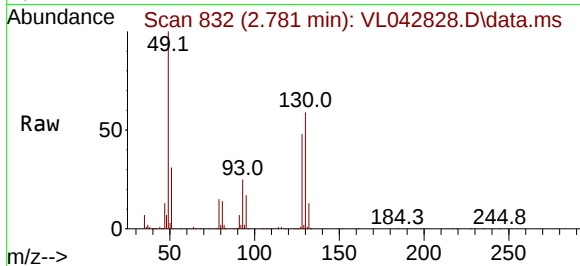




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042828.D
Acq: 07 Aug 2025 11:34

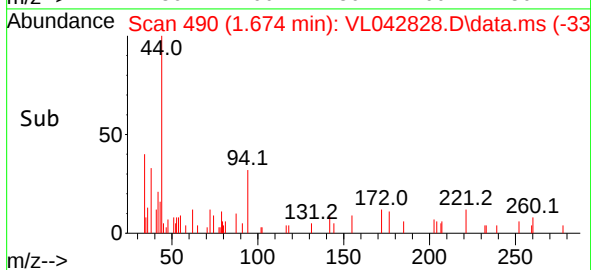
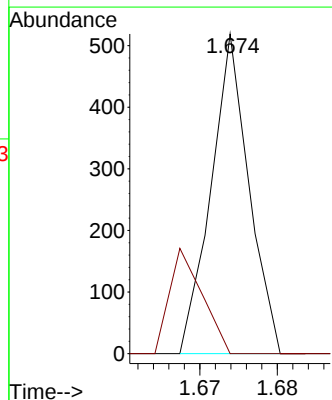
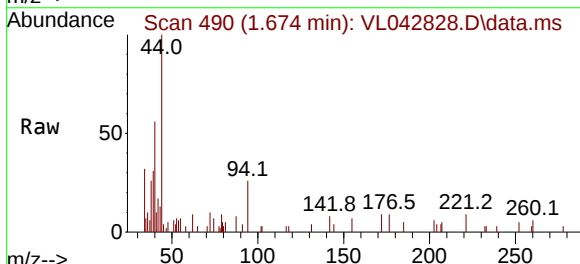
Instrument :
MSVOA_L
ClientSampleId :
QC080425 CAN 10608

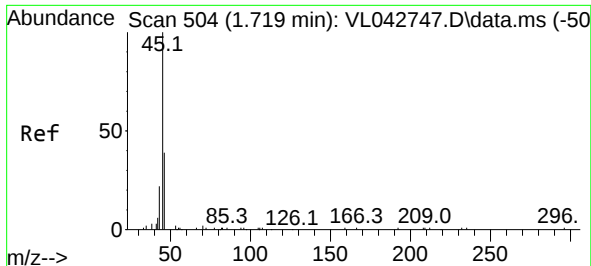
Tgt Ion: 49 Resp: 159509
Ion Ratio Lower Upper
49 100
128 46.4 23.6 71.0
130 59.1 30.3 90.8



#6
Bromomethane
Concen: 0.054 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.007 min
Lab File: VL042828.D
Acq: 07 Aug 2025 11:34

Tgt Ion: 94 Resp: 176
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#

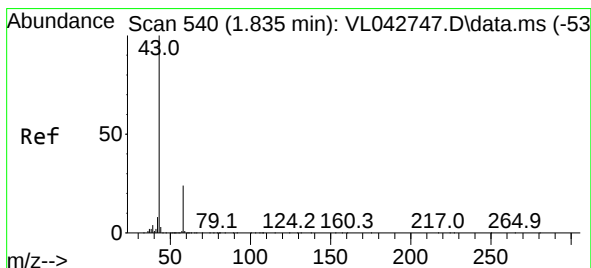
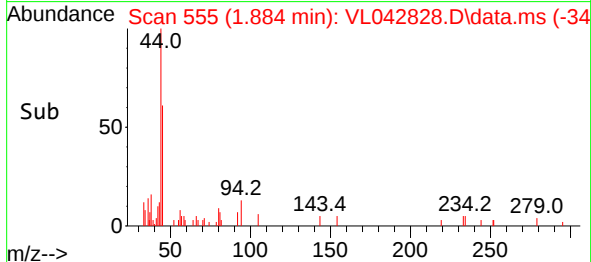
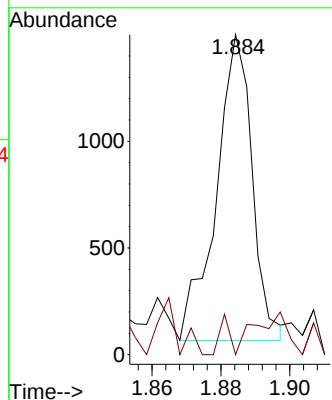
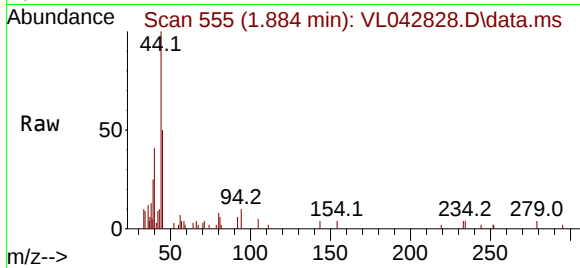




#13
Ethanol
Concen: 0.277 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.165 min
Lab File: VL042828.D
Acq: 07 Aug 2025 11:34

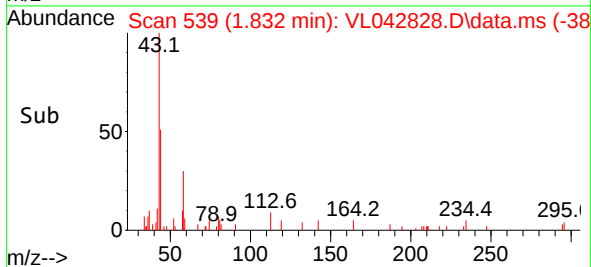
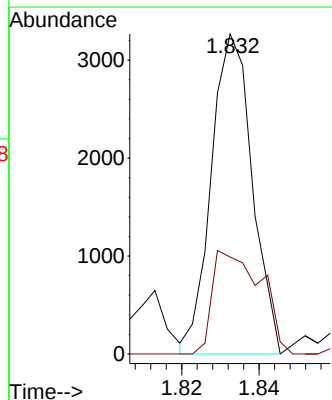
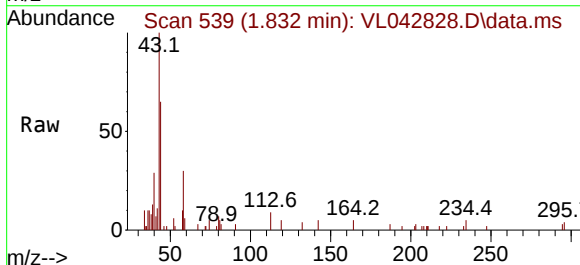
Instrument :
MSVOA_L
ClientSampleId :
QC080425 CAN 10608

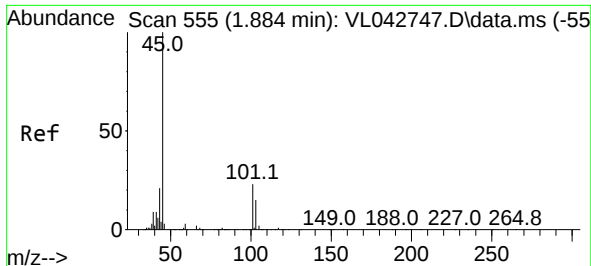
Tgt Ion: 45 Resp: 1039
Ion Ratio Lower Upper
45 100
46 34.8 17.8 71.4



#15
Acetone
Concen: 0.109 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042828.D
Acq: 07 Aug 2025 11:34

Tgt Ion: 43 Resp: 2399
Ion Ratio Lower Upper
43 100
58 39.3 19.8 29.8#

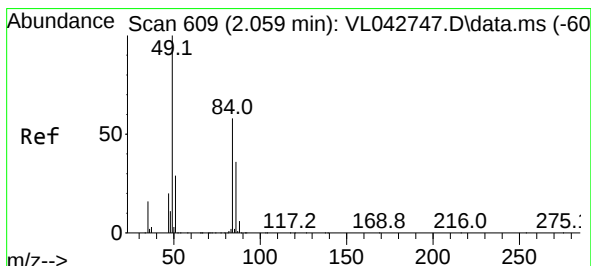
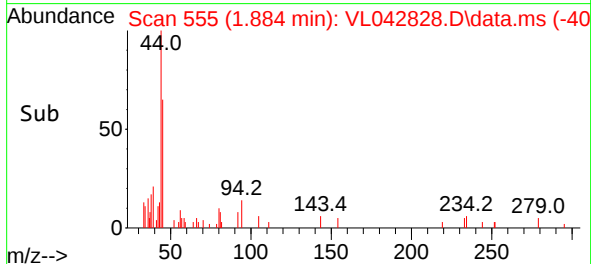
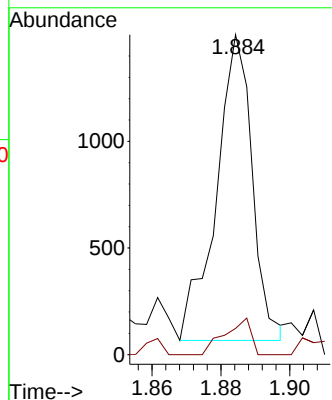
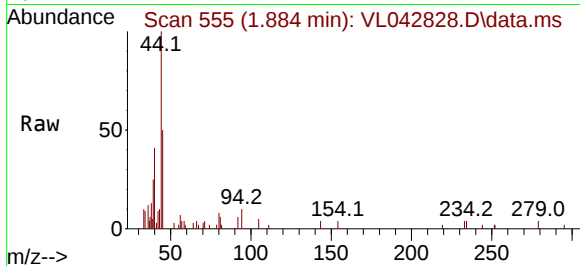




#19
Isopropyl Alcohol
Concen: 0.089 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042828.D
Acq: 07 Aug 2025 11:34

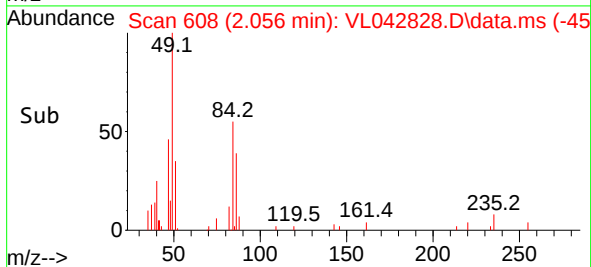
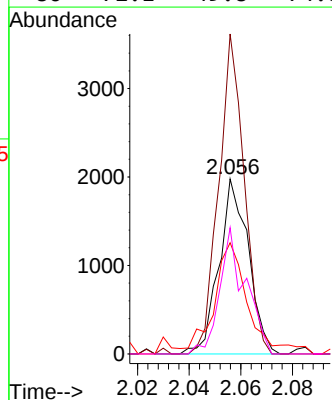
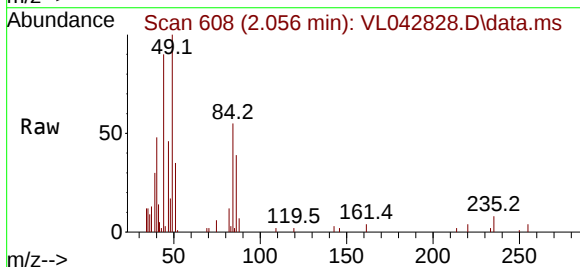
Instrument :
MSVOA_L
ClientSampleId :
QC080425 CAN 10608

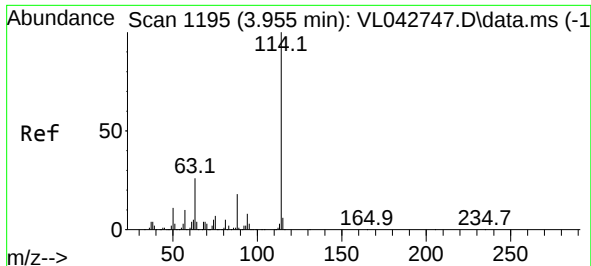
Tgt Ion: 45 Resp: 1039
Ion Ratio Lower Upper
45 100
58 16.6 30.0 45.0#



#20
Methylene Chloride
Concen: 0.225 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.003 min
Lab File: VL042828.D
Acq: 07 Aug 2025 11:34

Tgt Ion: 84 Resp: 1563
Ion Ratio Lower Upper
84 100
49 182.8 138.6 208.0
51 60.4 40.6 61.0
86 72.1 49.8 74.8

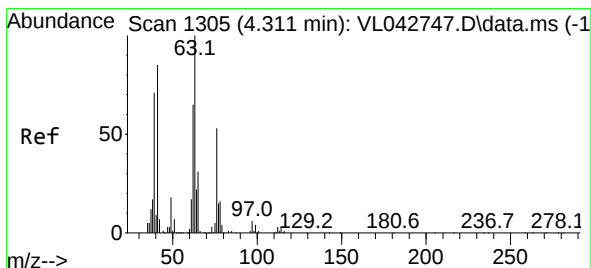
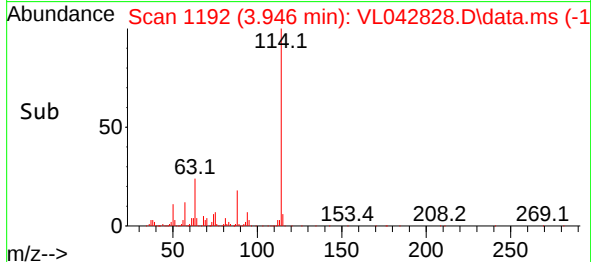
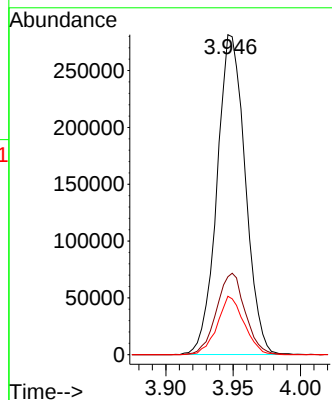
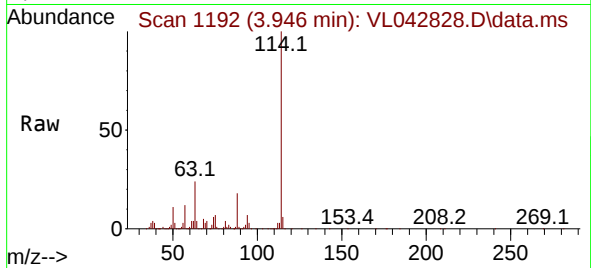




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.009 min
Lab File: VL042828.D
Acq: 07 Aug 2025 11:34

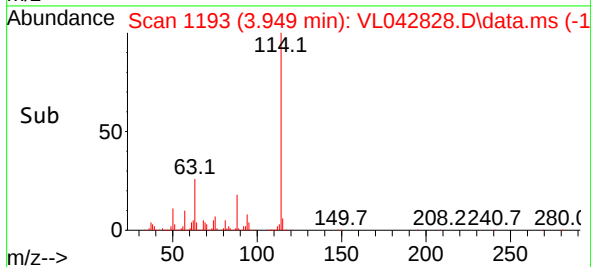
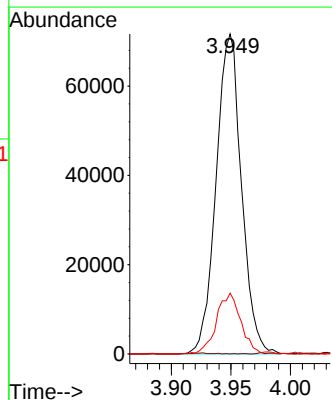
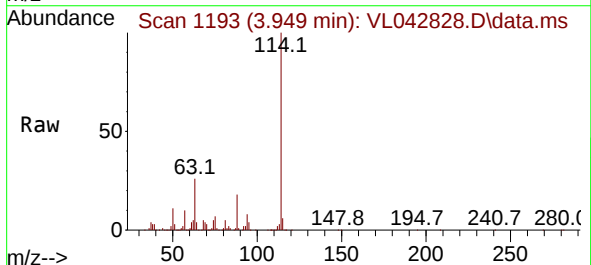
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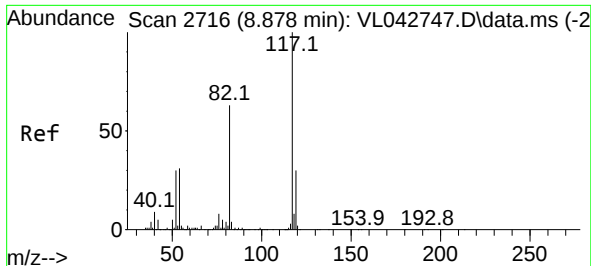
Tgt Ion:114 Resp: 409935
Ion Ratio Lower Upper
114 100
63 25.9 20.5 30.7
88 17.4 14.0 21.0



#39
1,2-Dichloropropane
Concen: 7.398 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.362 min
Lab File: VL042828.D
Acq: 07 Aug 2025 11:34

Tgt Ion: 63 Resp: 106089
Ion Ratio Lower Upper
63 100
41 0.0 68.2 102.4#
62 19.0 52.0 78.0#

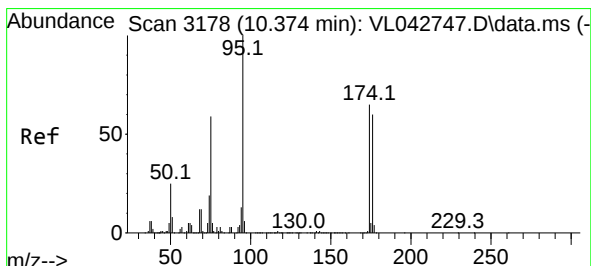
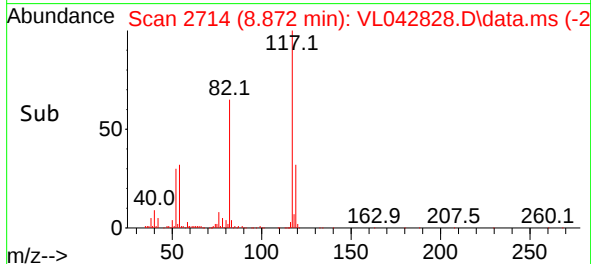
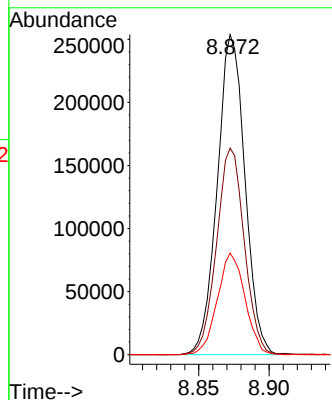
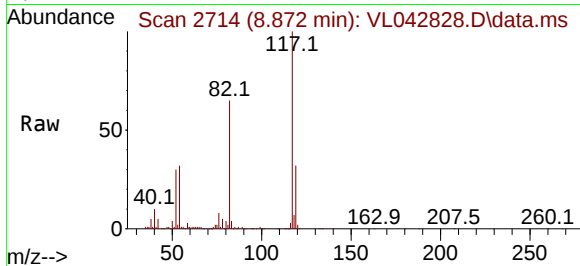




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042828.D
Acq: 07 Aug 2025 11:34

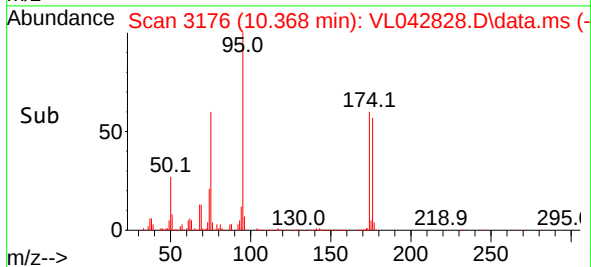
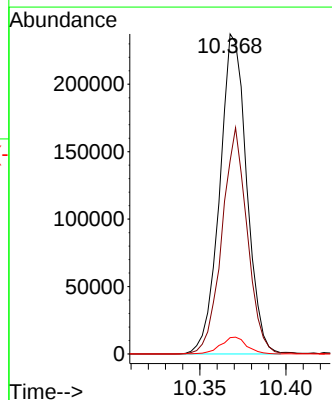
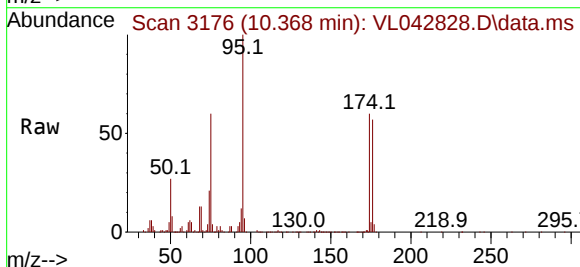
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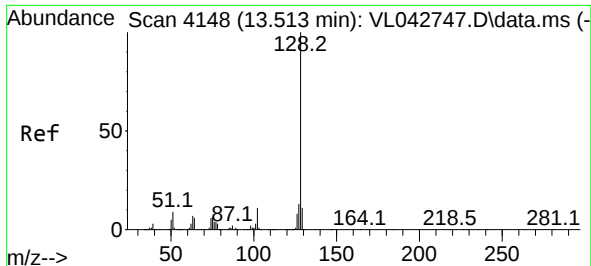
Tgt Ion:117 Resp: 347427
Ion Ratio Lower Upper
117 100
82 64.8 53.3 79.9
119 31.7 25.8 38.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.403 ppbv
RT: 10.368 min Scan# 3176
Delta R.T. -0.006 min
Lab File: VL042828.D
Acq: 07 Aug 2025 11:34

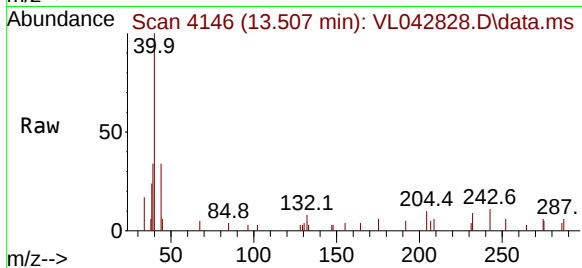
Tgt Ion: 95 Resp: 258713
Ion Ratio Lower Upper
95 100
174 66.6 53.8 80.6
175 5.1 4.0 6.0



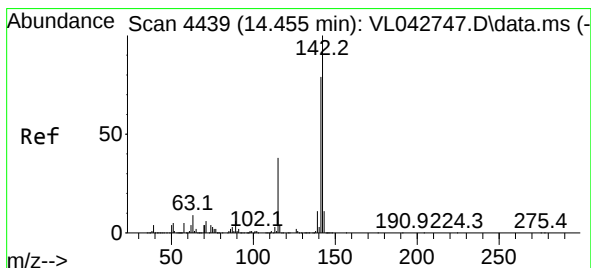
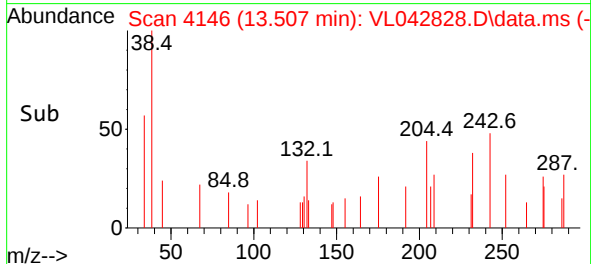
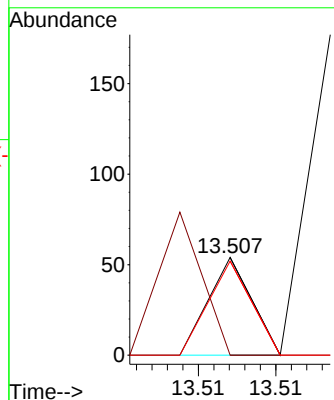


#79
Naphthalene
Concen: 0.435 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. -0.006 min
Lab File: VL042828.D
Acq: 07 Aug 2025 11:34

Instrument :
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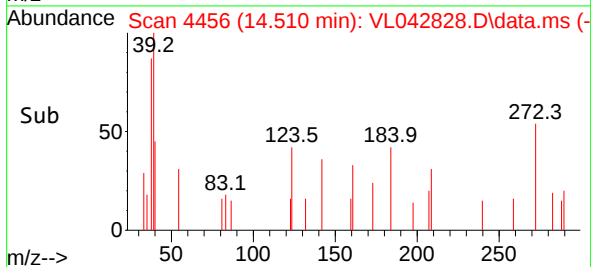
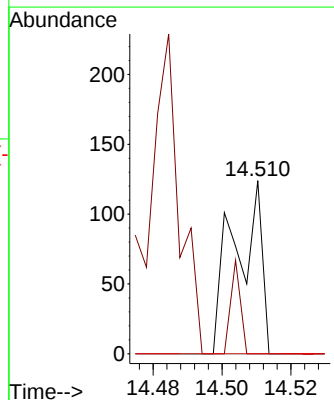
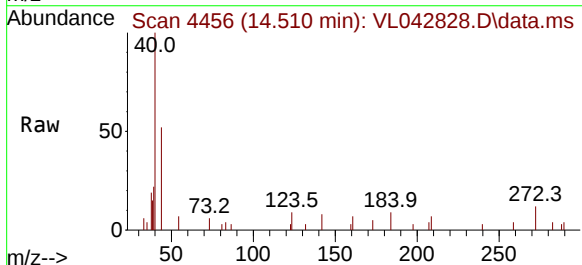


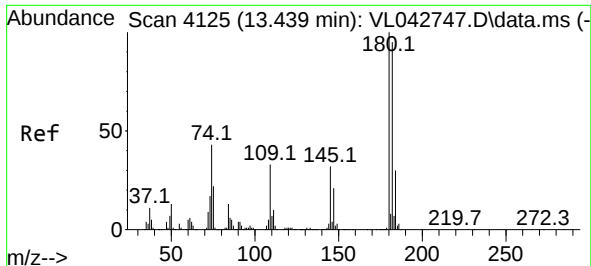
Tgt Ion:128 Resp: 11
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 96.3 8.6 13.0#



#80
Naphthalene,2-methyl-
Concen: 1.131 ppbv
RT: 14.510 min Scan# 4456
Delta R.T. 0.055 min
Lab File: VL042828.D
Acq: 07 Aug 2025 11:34

Tgt Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
141 263.2 65.8 98.8#
115 127.9 31.2 46.8#





#81

1,2,4-Trichlorobenzene

Concen: 0.437 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL042828.D

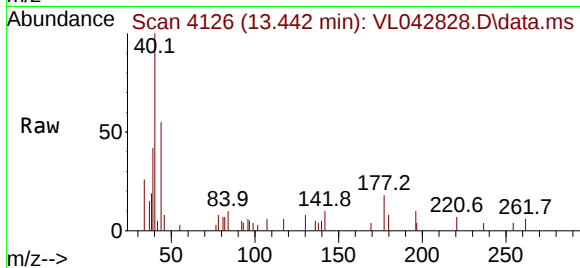
Acq: 07 Aug 2025 11:34

Instrument :

MSVOA_L

ClientSampleId :

QC080425 CAN 10608



Tgt Ion:180 Resp: 60

Ion Ratio Lower Upper

180 100

182 0.0 76.2 114.2#

184 0.0 24.8 37.2#

