

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
 Data File : VL042322.D
 Acq On : 11 Apr 2025 16:08
 Operator : SY/MD
 Sample : Q1665-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-2-3242025DL

Quant Time: Apr 11 23:02:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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)

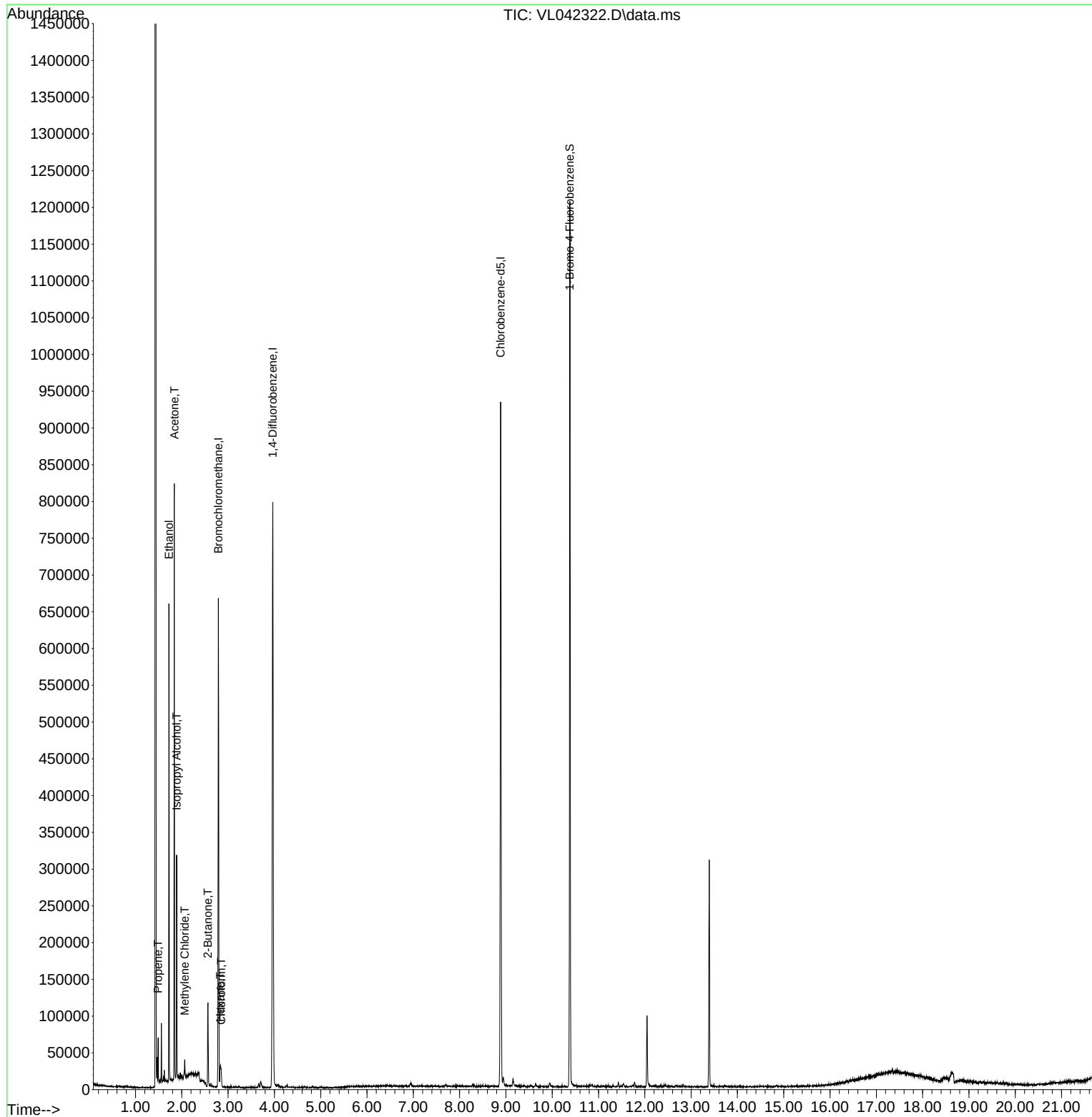
Internal Standards						
1) Bromochloromethane	2.791	49	183437	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	437835	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.885	117	360512	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	268511	9.070	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.700%
Target Compounds						
					Qvalue	
9) Propene	1.489	41	5497	0.433	ppbv	91
13) Ethanol	1.722	45	212244	177.037	ppbv	84
15) Acetone	1.839	43	354601	13.822	ppbv	95
19) Isopropyl Alcohol	1.888	45	127328	8.796	ppbv #	59
20) Methylene Chloride	2.062	84	3179	0.333	ppbv	93
26) Hexane	2.829	57	4958	0.193	ppbv #	79
29) Chloroform	2.852	83	5087	0.135	ppbv	100
34) 2-Butanone	2.564	43	68236	2.149	ppbv	97

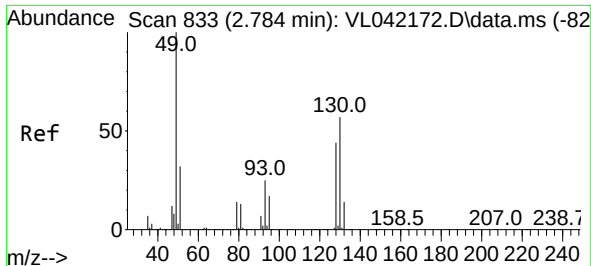
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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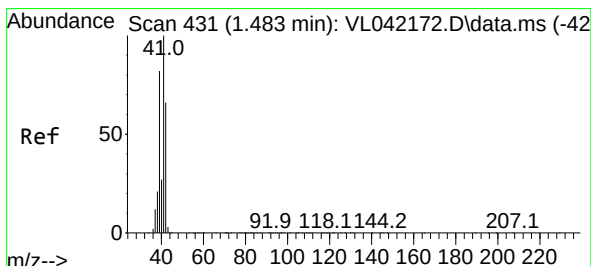
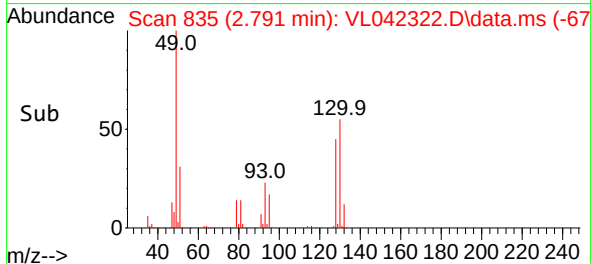
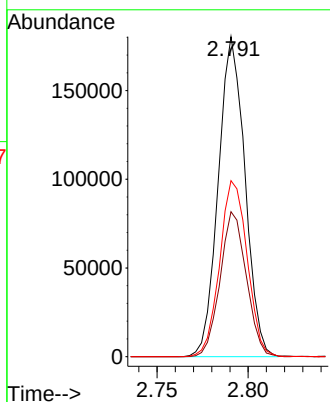
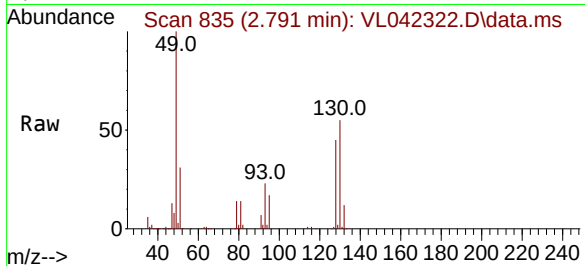




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042322.D
Acq: 11 Apr 2025 16:08

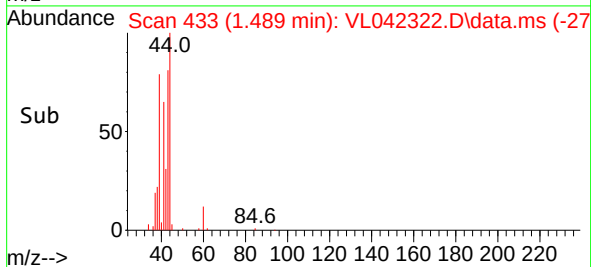
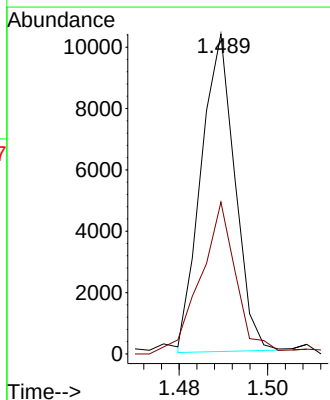
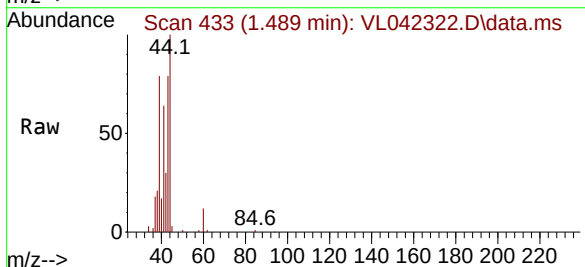
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-2-3242025DL

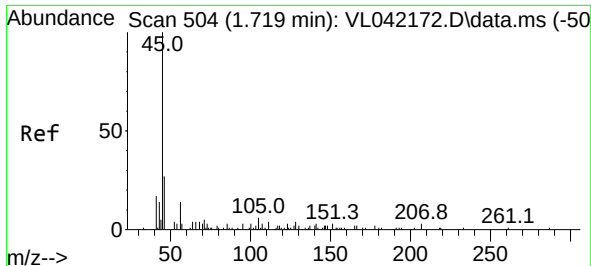
Tgt Ion: 49 Resp: 183437
Ion Ratio Lower Upper
49 100
128 44.6 22.9 68.5
130 56.8 28.8 86.4



#9
Propene
Concen: 0.433 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042322.D
Acq: 11 Apr 2025 16:08

Tgt Ion: 41 Resp: 5497
Ion Ratio Lower Upper
41 100
42 62.3 55.4 83.2

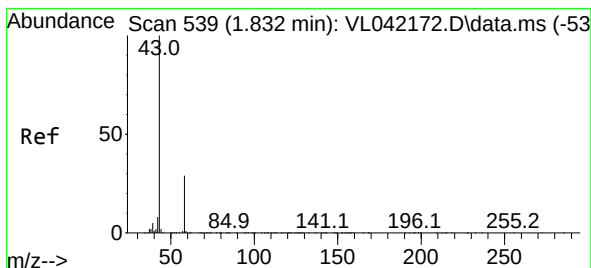
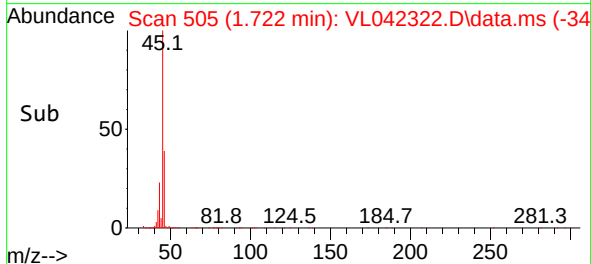
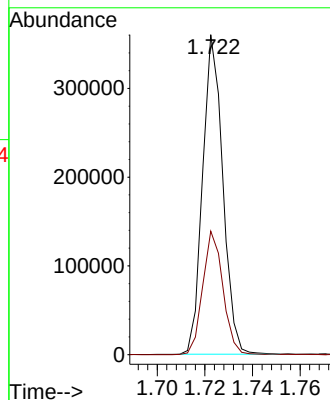
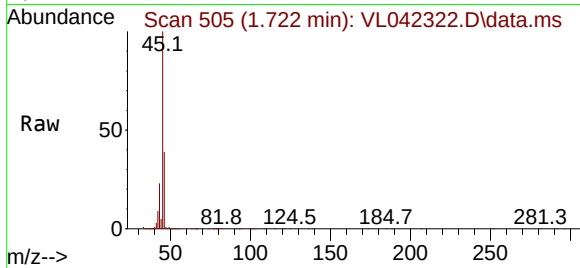




#13
Ethanol
Concen: 177.037 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042322.D
Acq: 11 Apr 2025 16:08

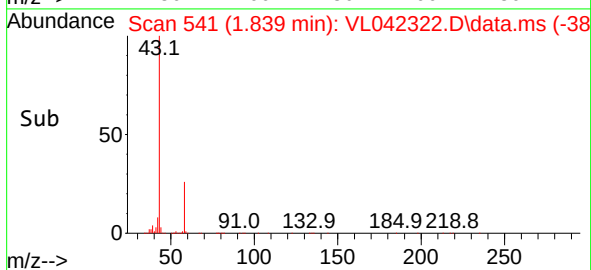
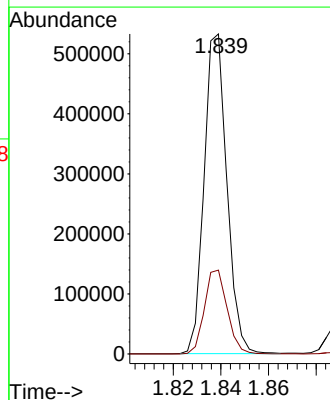
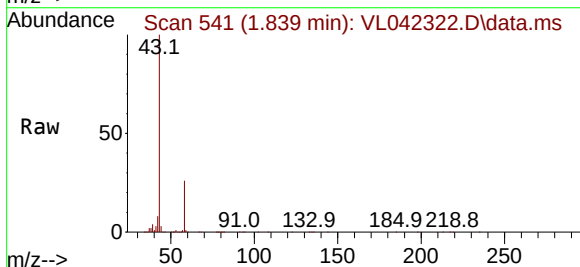
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-2-3242025DL

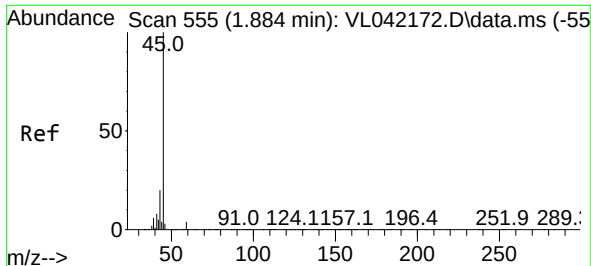
Tgt Ion: 45 Resp: 212244
Ion Ratio Lower Upper
45 100
46 39.1 20.2 80.8



#15
Acetone
Concen: 13.822 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.007 min
Lab File: VL042322.D
Acq: 11 Apr 2025 16:08

Tgt Ion: 43 Resp: 354601
Ion Ratio Lower Upper
43 100
58 26.3 23.2 34.8

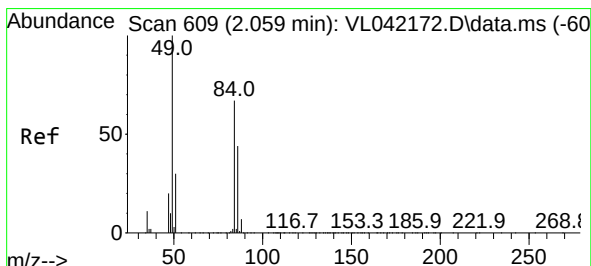
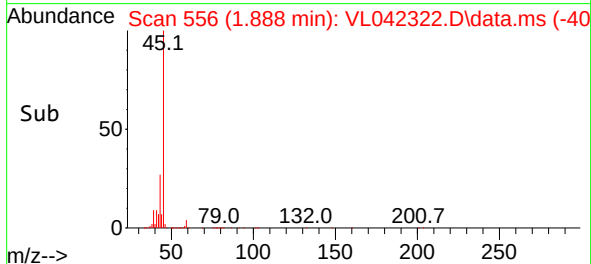
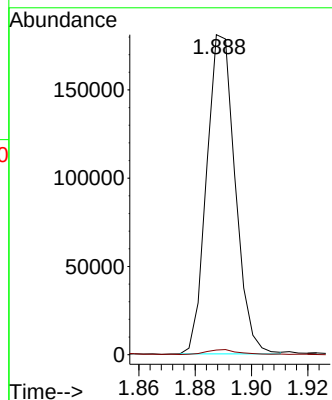
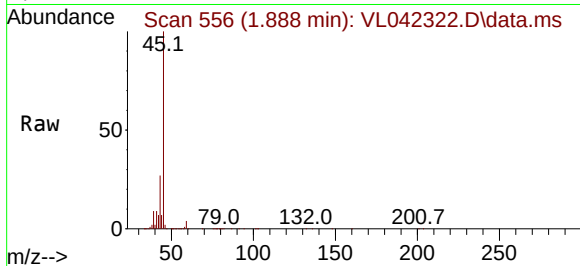




#19
Isopropyl Alcohol
Concen: 8.796 ppbv
RT: 1.888 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042322.D
Acq: 11 Apr 2025 16:08

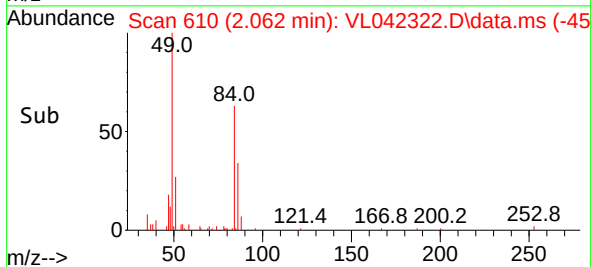
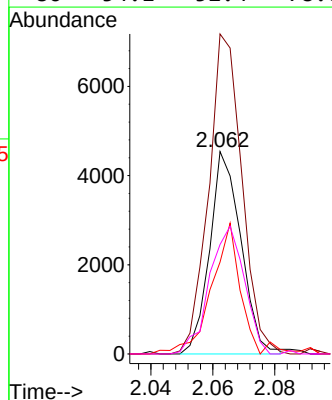
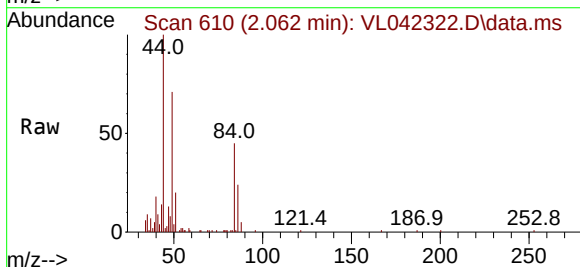
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-2-3242025DL

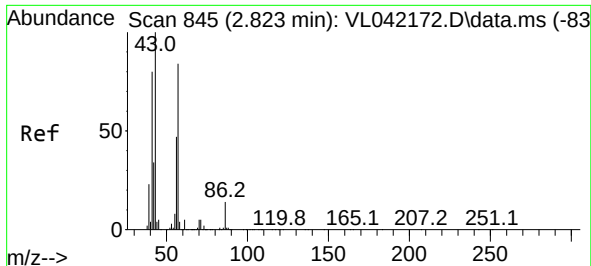
Tgt Ion: 45 Resp: 127328
Ion Ratio Lower Upper
45 100
58 73.2 36.9 55.3#



#20
Methylene Chloride
Concen: 0.333 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042322.D
Acq: 11 Apr 2025 16:08

Tgt Ion: 84 Resp: 3179
Ion Ratio Lower Upper
84 100
49 156.6 120.2 180.4
51 43.2 37.4 56.0
86 54.1 52.4 78.6

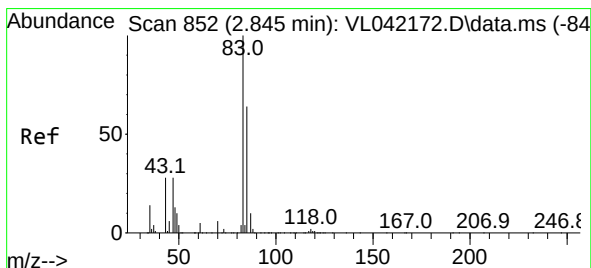
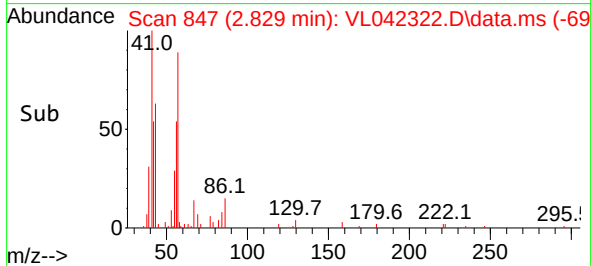
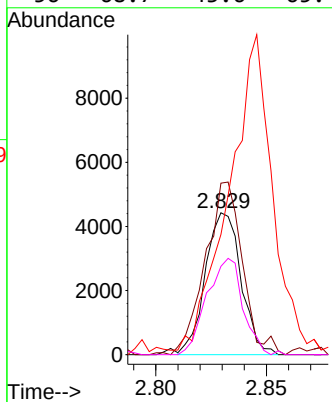
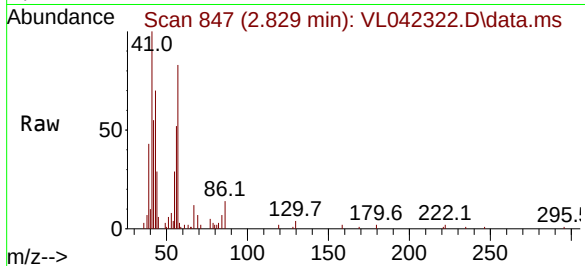




#26
Hexane
Concen: 0.193 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.007 min
Lab File: VL042322.D
Acq: 11 Apr 2025 16:08

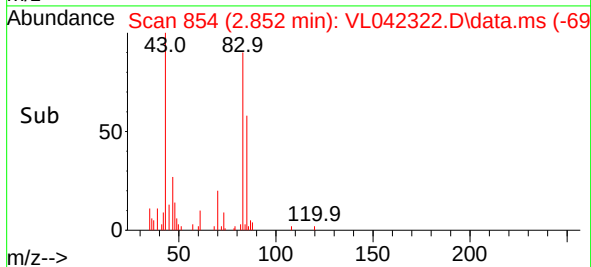
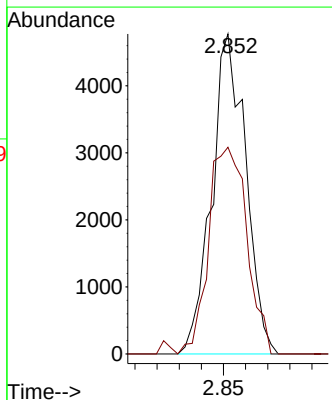
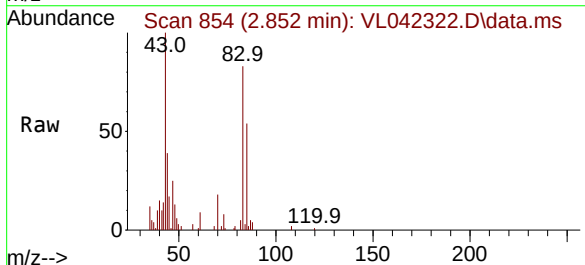
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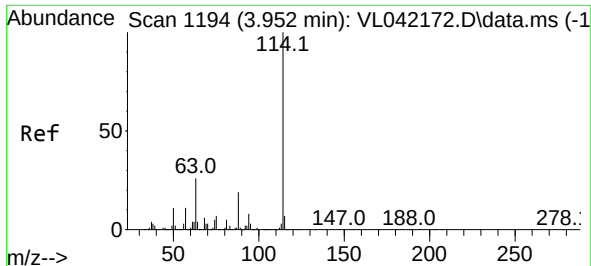
Tgt Ion: 57 Resp: 4958
Ion Ratio Lower Upper
57 100
41 135.9 76.6 114.8#
43 284.3 207.8 311.8
56 68.7 43.6 65.4#



#29
Chloroform
Concen: 0.135 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.007 min
Lab File: VL042322.D
Acq: 11 Apr 2025 16:08

Tgt Ion: 83 Resp: 5087
Ion Ratio Lower Upper
83 100
85 64.6 51.4 77.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.013 min

Lab File: VL042322.D

Acq: 11 Apr 2025 16:08

Instrument :

MSVOA_L

ClientSampleId :

IA-B10-2-3242025DL

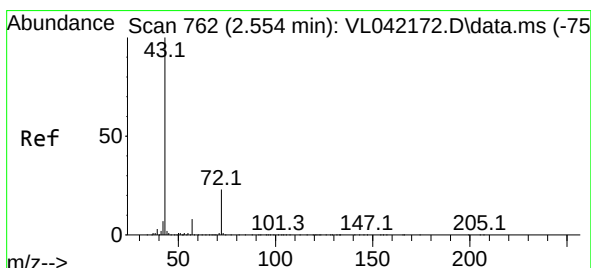
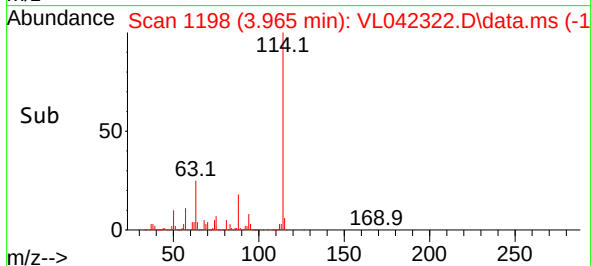
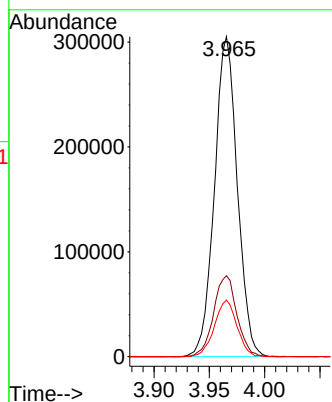
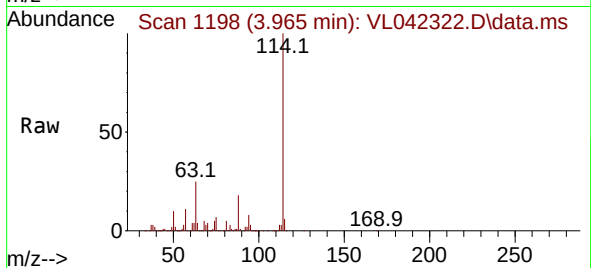
Tgt Ion:114 Resp: 437835

Ion Ratio Lower Upper

114 100

63 25.9 20.7 31.1

88 17.5 15.0 22.4



#34

2-Butanone

Concen: 2.149 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.010 min

Lab File: VL042322.D

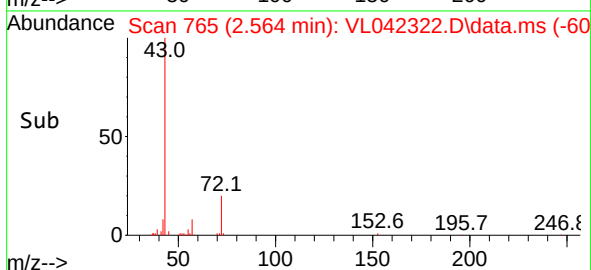
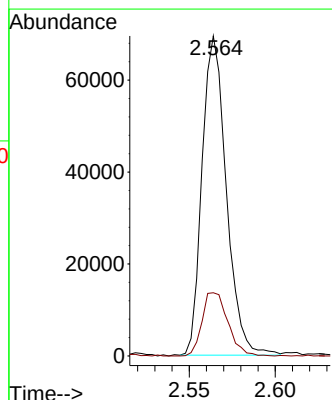
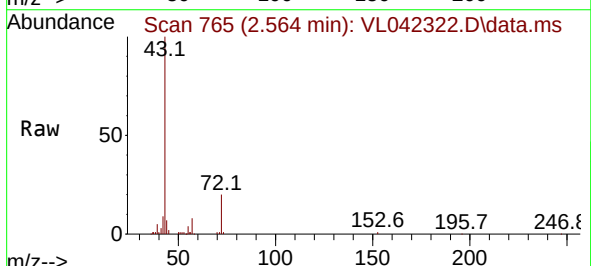
Acq: 11 Apr 2025 16:08

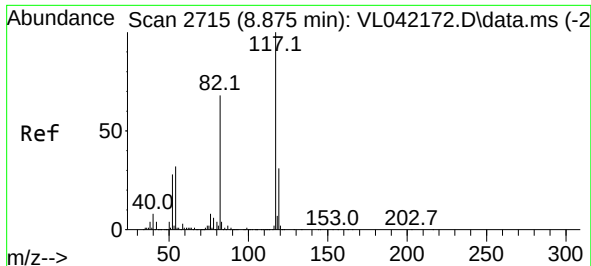
Tgt Ion: 43 Resp: 68236

Ion Ratio Lower Upper

43 100

72 21.2 18.2 27.2

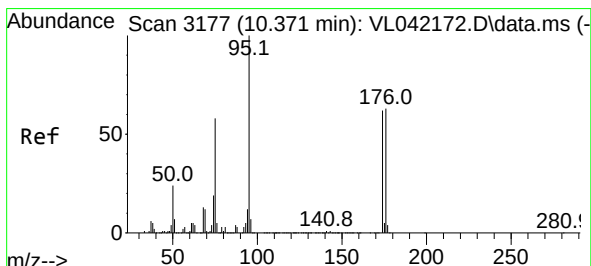
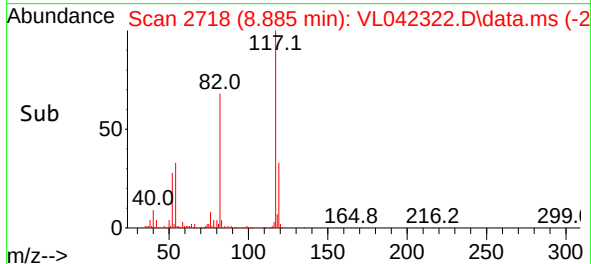
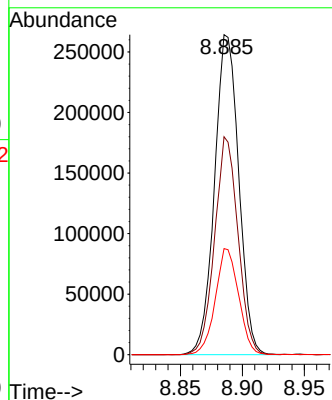
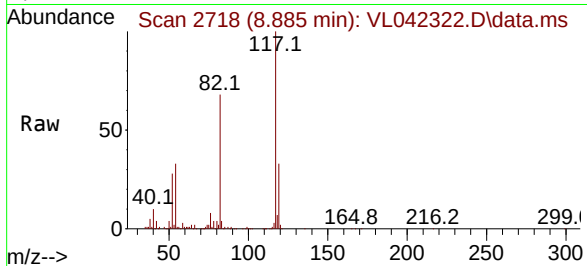




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042322.D
Acq: 11 Apr 2025 16:08

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Tgt Ion:117 Resp: 360512
Ion Ratio Lower Upper
117 100
82 65.6 55.8 83.6
119 31.9 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.070 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.010 min
Lab File: VL042322.D
Acq: 11 Apr 2025 16:08

Tgt Ion: 95 Resp: 268511
Ion Ratio Lower Upper
95 100
174 64.6 50.6 76.0
175 4.7 3.8 5.6

