

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
 Data File : VL042331.D
 Acq On : 15 Apr 2025 14:29
 Operator : SY/MD
 Sample : Q1665-18DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-3-3242025DL

Quant Time: Apr 16 01:32:02 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)

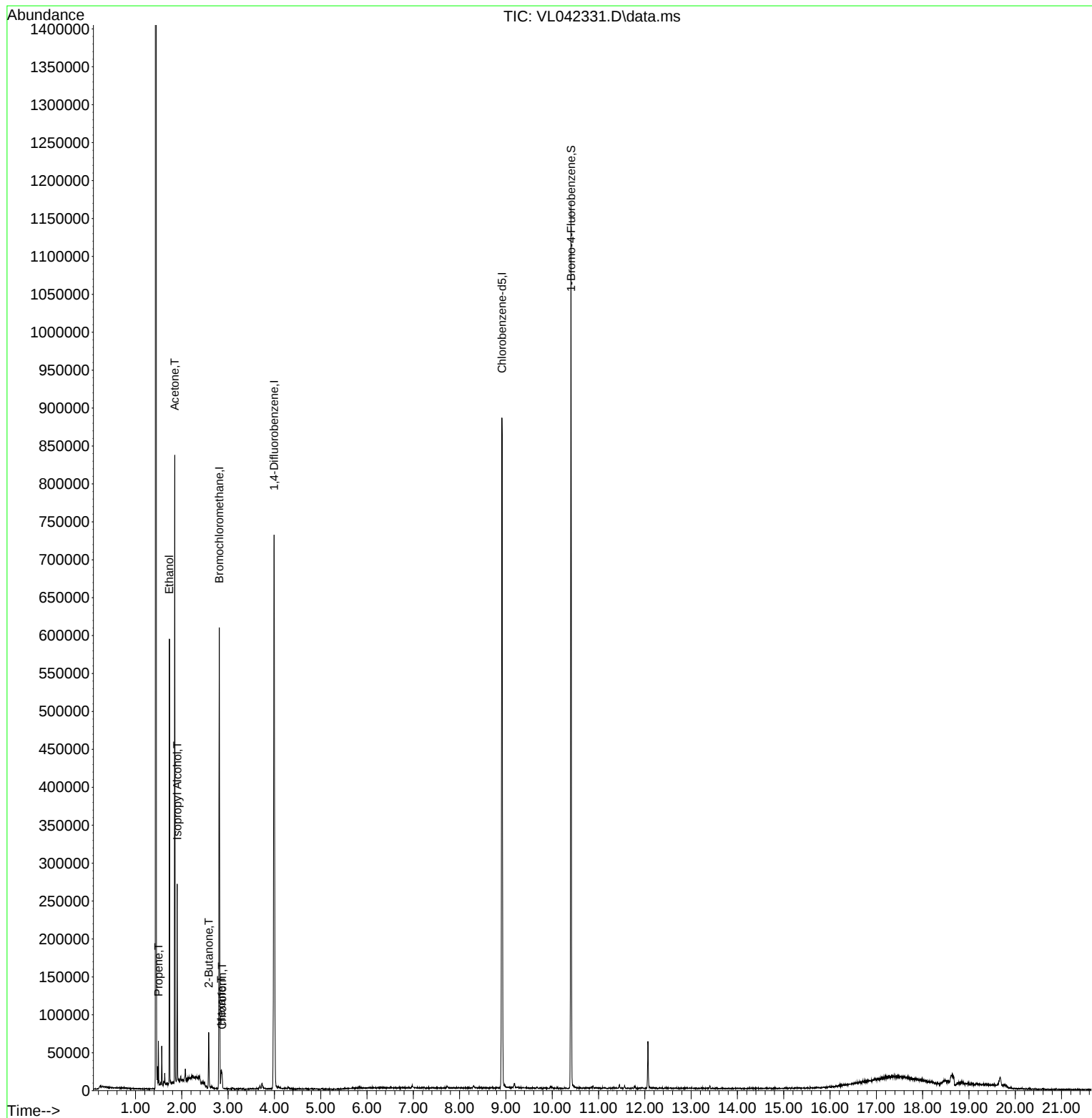
Internal Standards						
1) Bromochloromethane	2.810	49	168977	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.994	114	401158	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.914	117	339800	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	265292	9.507	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.100%
Target Compounds						
					Qvalue	
9) Propene	1.495	41	4953	0.424	ppbv	90
13) Ethanol	1.732	45	197027	178.408	ppbv	81
15) Acetone	1.848	43	351816	14.887	ppbv	96
19) Isopropyl Alcohol	1.900	45	105242	7.893	ppbv #	35
26) Hexane	2.852	57	4022	0.170	ppbv #	86
29) Chloroform	2.871	83	4529	0.131	ppbv	89
34) 2-Butanone	2.580	43	44053	1.514	ppbv	100

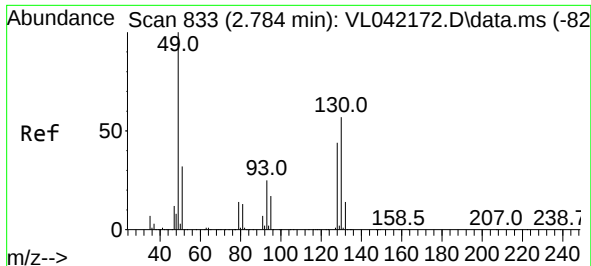
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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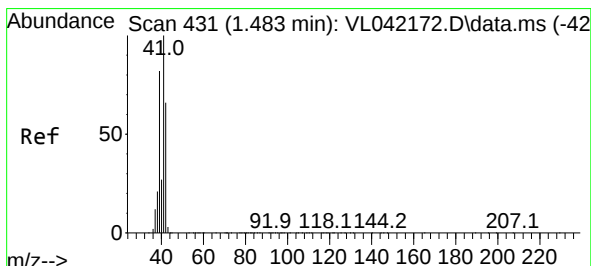
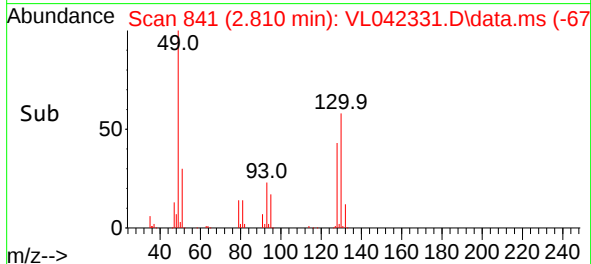
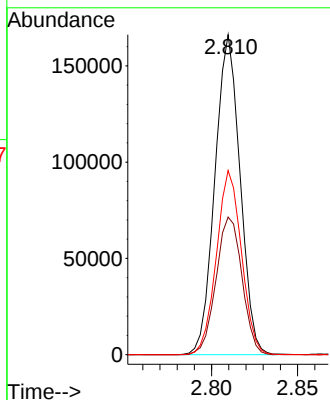
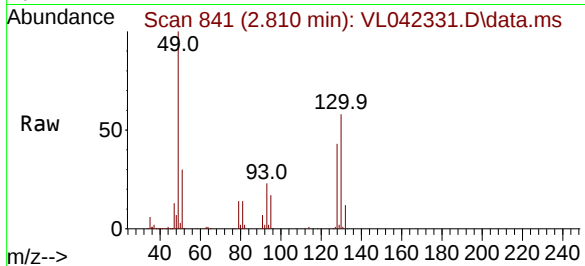




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.810 min Scan# 841
Delta R.T. 0.026 min
Lab File: VL042331.D
Acq: 15 Apr 2025 14:29

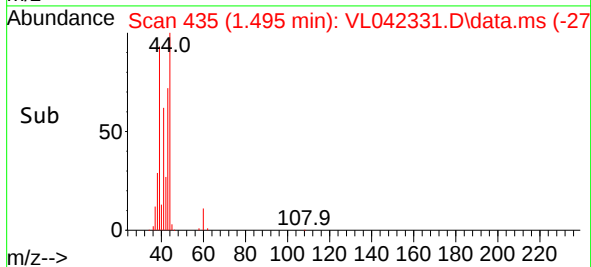
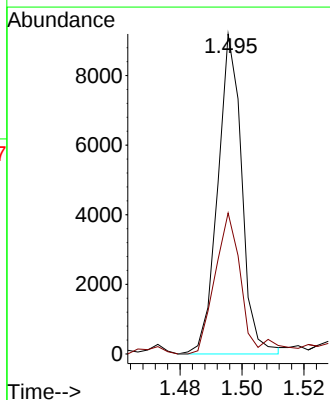
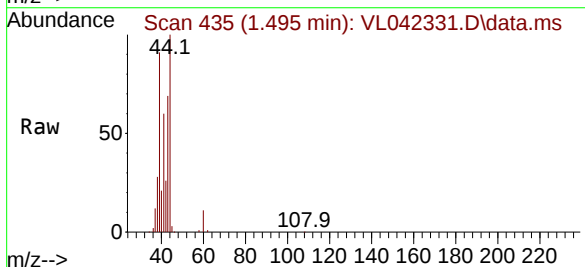
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025DL

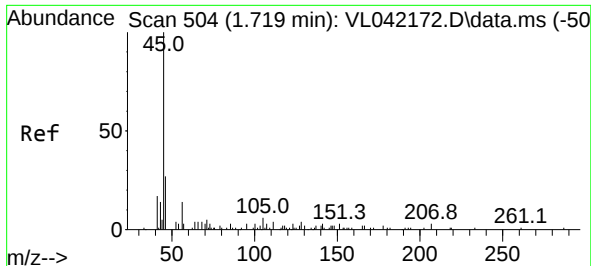
Tgt Ion: 49 Resp: 168977
Ion Ratio Lower Upper
49 100
128 44.4 22.9 68.5
130 57.3 28.8 86.4



#9
Propene
Concen: 0.424 ppbv
RT: 1.495 min Scan# 435
Delta R.T. 0.013 min
Lab File: VL042331.D
Acq: 15 Apr 2025 14:29

Tgt Ion: 41 Resp: 4953
Ion Ratio Lower Upper
41 100
42 61.5 55.4 83.2

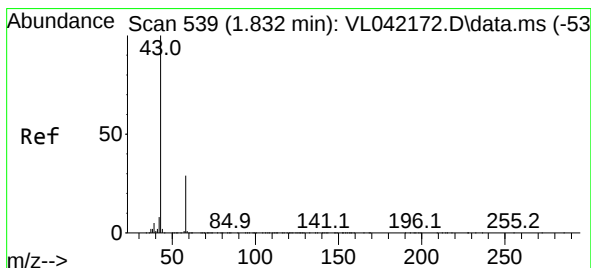
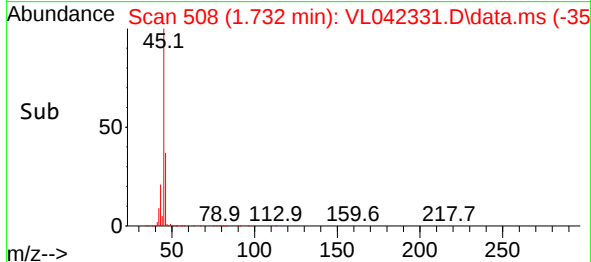
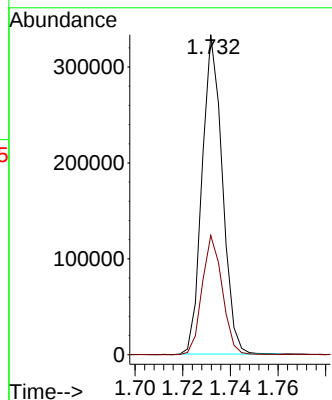
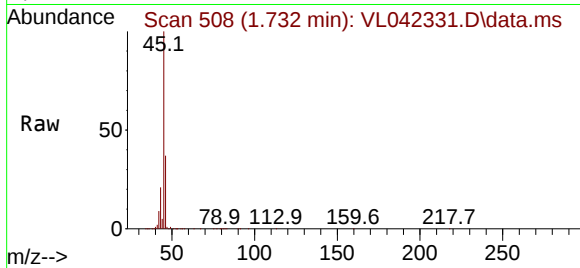




#13
Ethanol
Concen: 178.408 ppbv
RT: 1.732 min Scan# 504
Delta R.T. 0.013 min
Lab File: VL042331.D
Acq: 15 Apr 2025 14:29

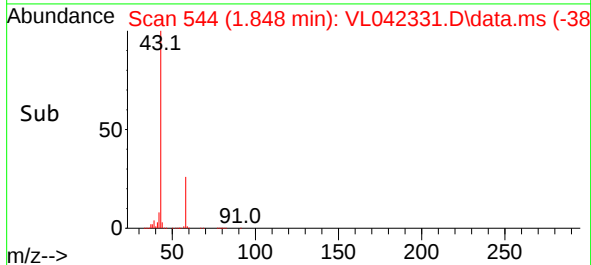
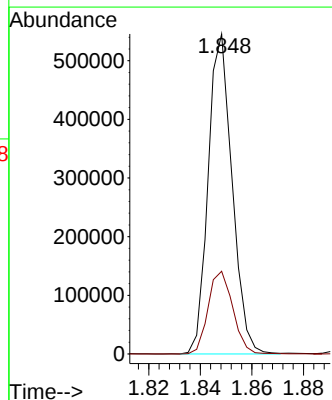
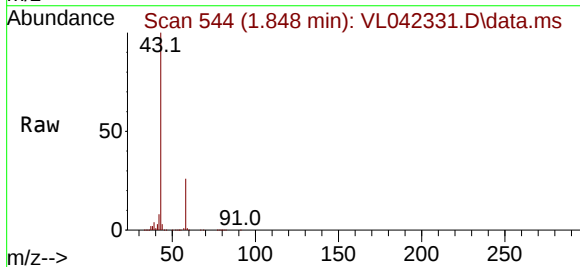
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025DL

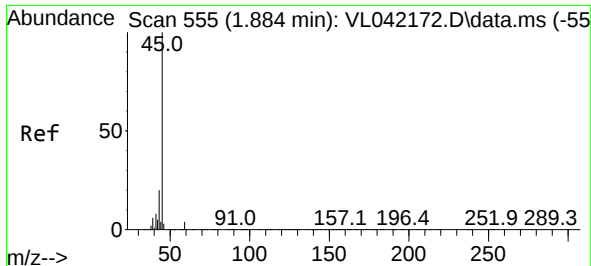
Tgt Ion: 45 Resp: 197027
Ion Ratio Lower Upper
45 100
46 37.5 20.2 80.8



#15
Acetone
Concen: 14.887 ppbv
RT: 1.848 min Scan# 544
Delta R.T. 0.016 min
Lab File: VL042331.D
Acq: 15 Apr 2025 14:29

Tgt Ion: 43 Resp: 351816
Ion Ratio Lower Upper
43 100
58 26.7 23.2 34.8





#19

Isopropyl Alcohol

Concen: 7.893 ppbv

RT: 1.900 min Scan# 5

Delta R.T. 0.016 min

Lab File: VL042331.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_L

ClientSampleId :

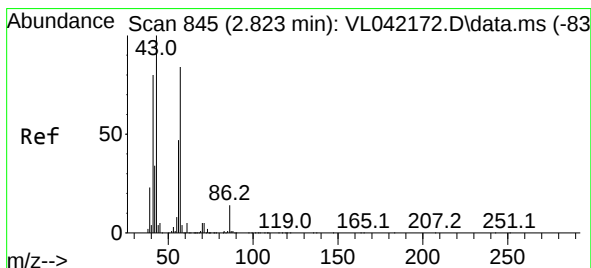
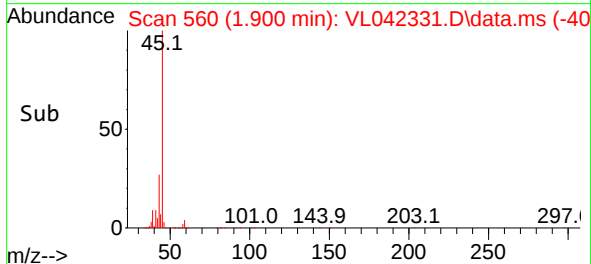
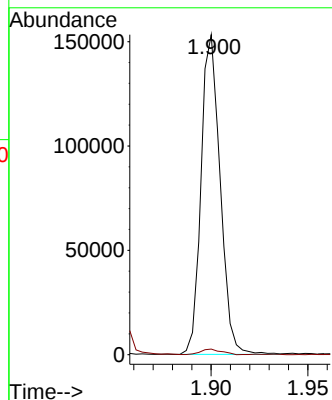
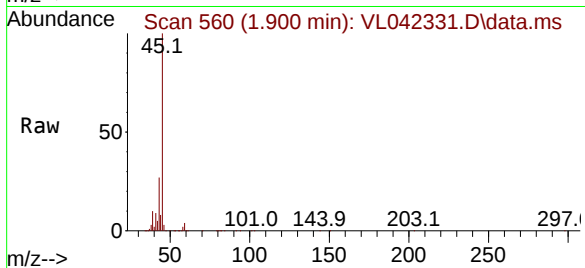
IA-B10-3-3242025DL

Tgt Ion: 45 Resp: 105242

Ion Ratio Lower Upper

45 100

58 89.3 36.9 55.3#



#26

Hexane

Concen: 0.170 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.029 min

Lab File: VL042331.D

Acq: 15 Apr 2025 14:29

Tgt Ion: 57 Resp: 4022

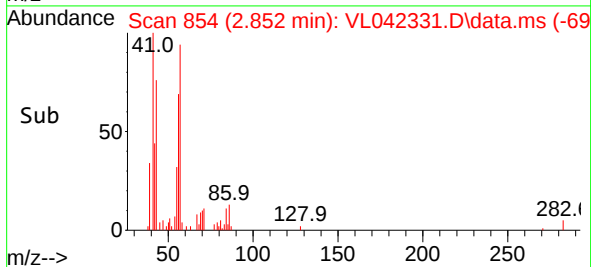
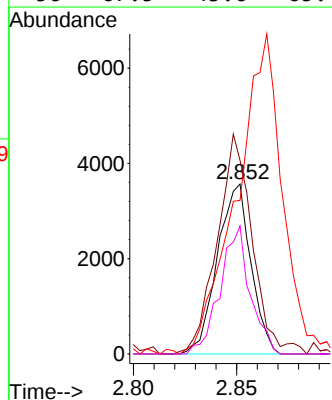
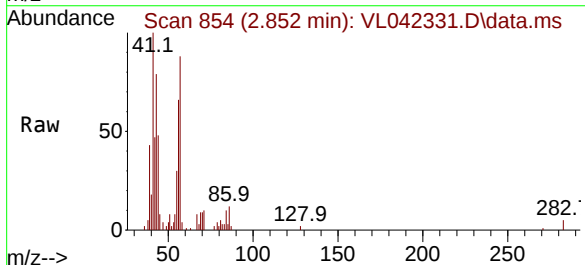
Ion Ratio Lower Upper

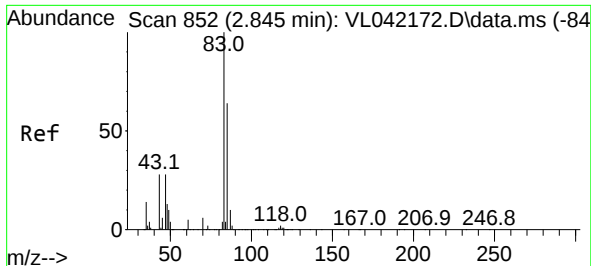
57 100

41 141.6 76.6 114.8#

43 262.3 207.8 311.8

56 67.5 43.6 65.4#





#29

Chloroform

Concen: 0.131 ppbv

RT: 2.871 min Scan# 80

Delta R.T. 0.026 min

Lab File: VL042331.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_L

ClientSampleId :

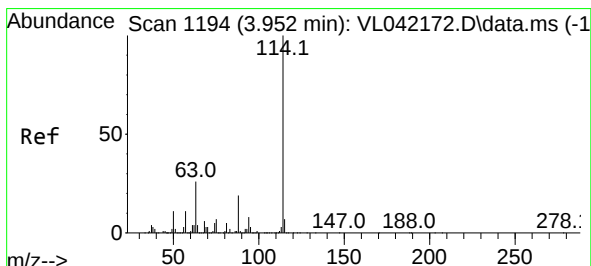
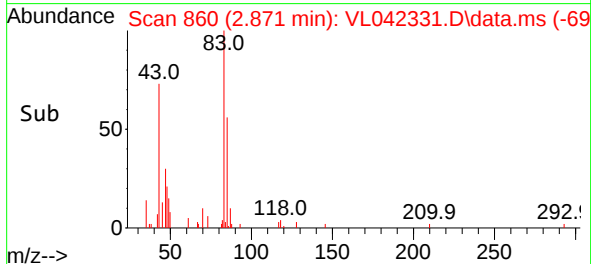
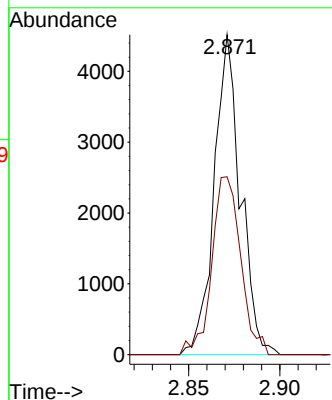
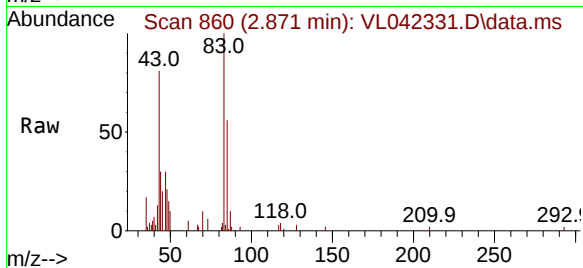
IA-B10-3-3242025DL

Tgt Ion: 83 Resp: 4529

Ion Ratio Lower Upper

83 100

85 55.6 51.4 77.2



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.994 min Scan# 1207

Delta R.T. 0.042 min

Lab File: VL042331.D

Acq: 15 Apr 2025 14:29

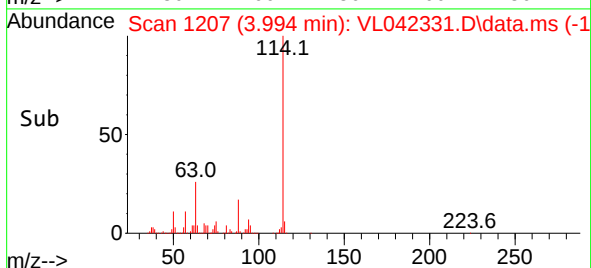
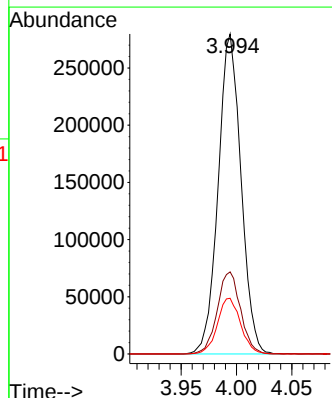
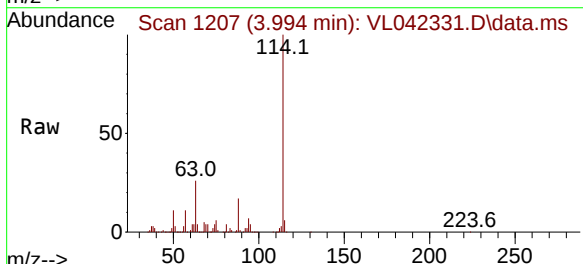
Tgt Ion: 114 Resp: 401158

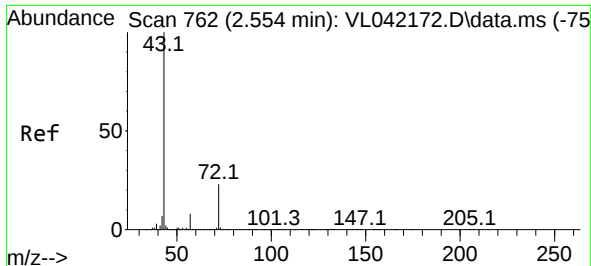
Ion Ratio Lower Upper

114 100

63 26.2 20.7 31.1

88 17.7 15.0 22.4

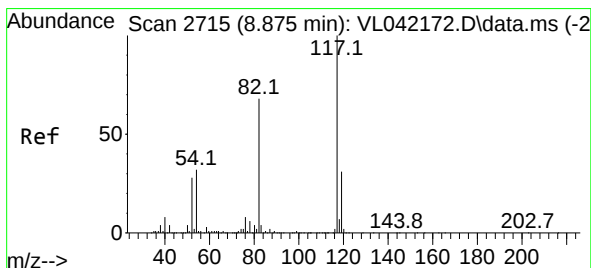
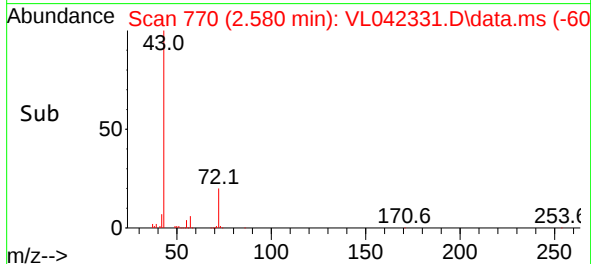
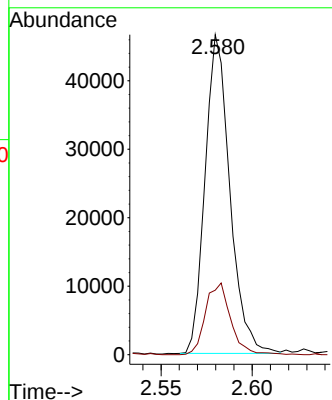
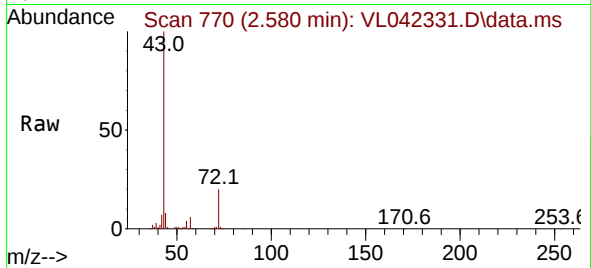




#34
2-Butanone
Concen: 1.514 ppbv
RT: 2.580 min Scan# 71
Delta R.T. 0.026 min
Lab File: VL042331.D
Acq: 15 Apr 2025 14:29

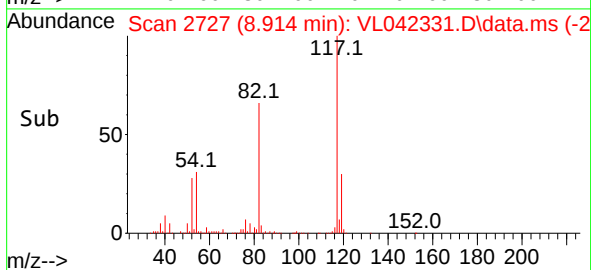
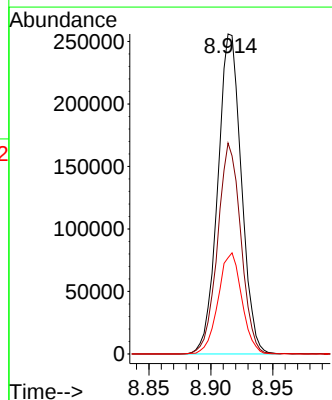
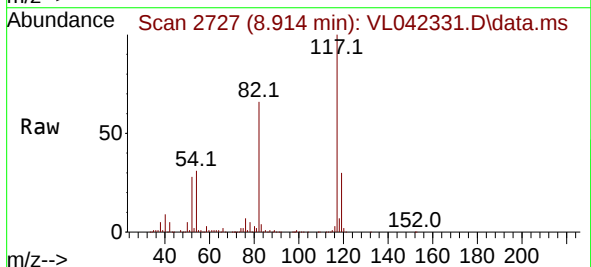
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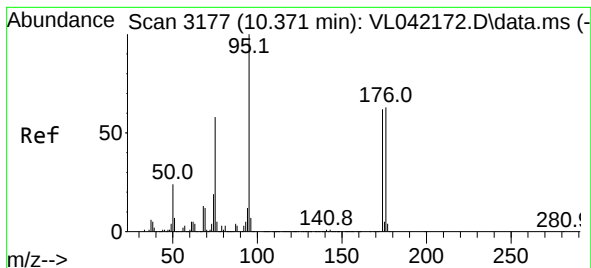
Tgt Ion: 43 Resp: 44053
Ion Ratio Lower Upper
43 100
72 22.9 18.2 27.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.914 min Scan# 2727
Delta R.T. 0.039 min
Lab File: VL042331.D
Acq: 15 Apr 2025 14:29

Tgt Ion: 117 Resp: 339800
Ion Ratio Lower Upper
117 100
82 65.2 55.8 83.6
119 31.8 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.507 ppbv

RT: 10.406 min Scan# 31

Delta R.T. 0.035 min

Lab File: VL042331.D

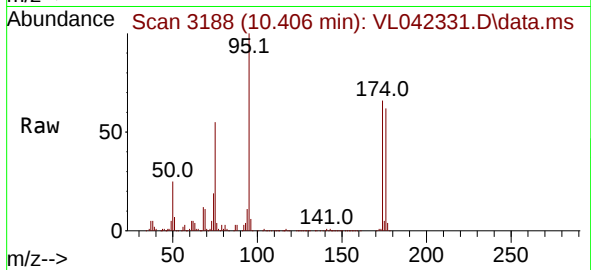
Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_L

ClientSampleId :

IA-B10-3-3242025DL



Tgt Ion: 95 Resp: 265292

Ion Ratio Lower Upper

95 100

174 64.1 50.6 76.0

175 4.7 3.8 5.6

