

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043331.D
 Acq On : 09 Dec 2025 07:30
 Operator : SY/MD
 Sample : Q3799-03DL2 400X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10-IA-1DL2

Quant Time: Dec 10 02:12:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

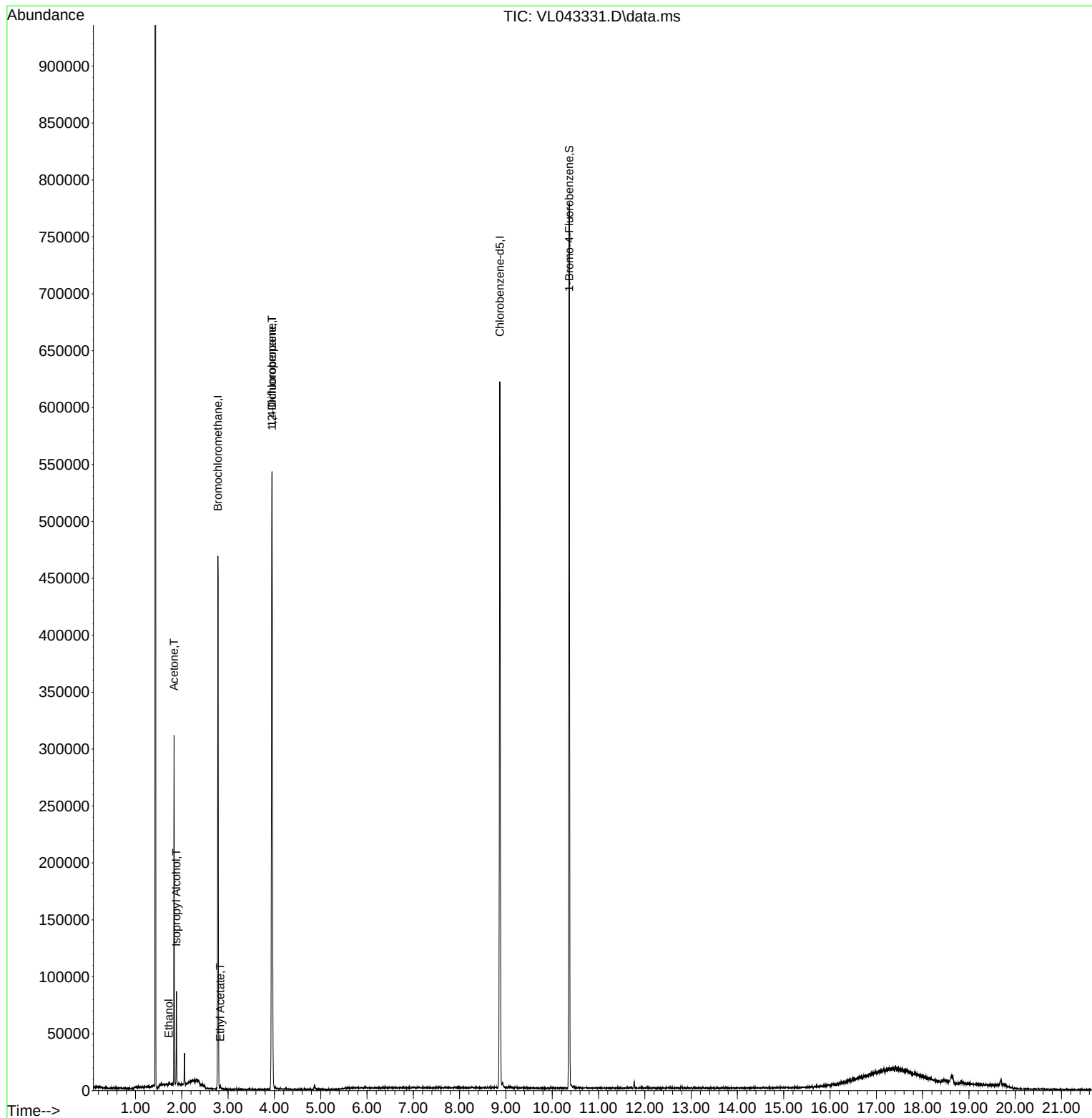
Internal Standards						
1) Bromochloromethane	2.780	49	122404	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	307022	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	245820	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	171652	9.526	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.300%
Target Compounds						
					Qvalue	
13) Ethanol	1.719	45	710	0.280	ppbv #	38
15) Acetone	1.832	43	127495	7.497	ppbv	100
19) Isopropyl Alcohol	1.884	45	32181	3.349	ppbv #	1
20) Methylene Chloride	2.055	84	3914	Below Cal	#	83
25) Ethyl Acetate	2.829	43	1495	0.041	ppbv #	86
39) 1,2-Dichloropropane	3.946	63	78942	7.336	ppbv #	24

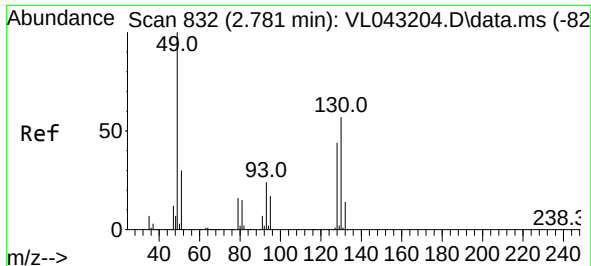
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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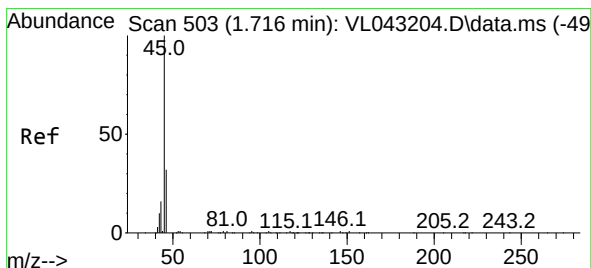
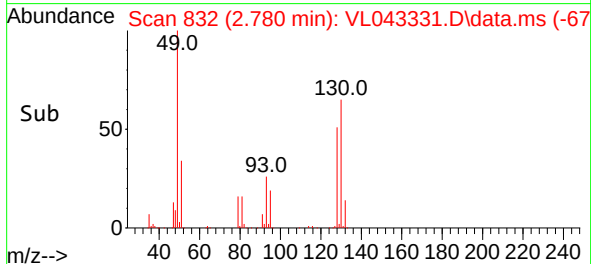
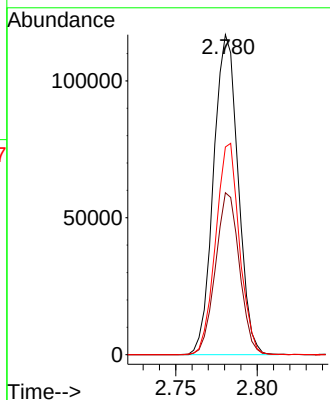
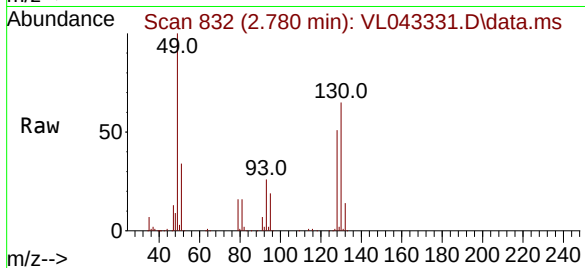




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.001 min
Lab File: VL043331.D
Acq: 09 Dec 2025 07:30

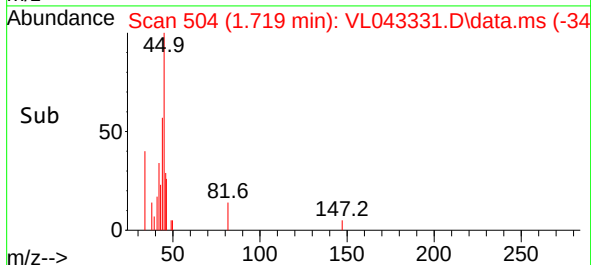
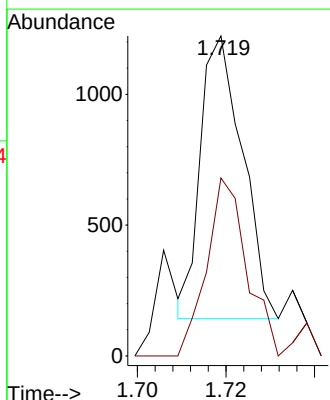
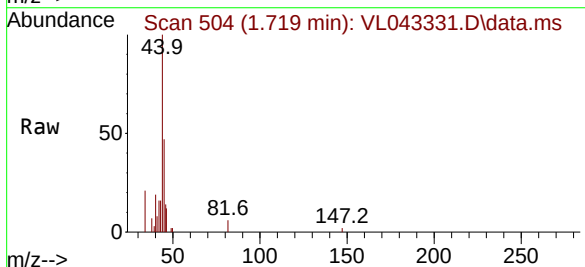
Instrument :
MSVOA_L
ClientSampleId :
10-IA-1DL2

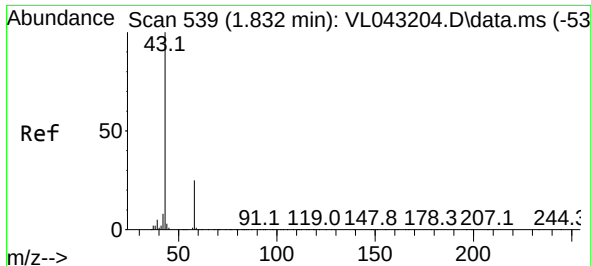
Tgt Ion: 49 Resp: 122404
Ion Ratio Lower Upper
49 100
128 49.5 23.0 69.0
130 64.0 29.9 89.7



#13
Ethanol
Concen: 0.280 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043331.D
Acq: 09 Dec 2025 07:30

Tgt Ion: 45 Resp: 710
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8#

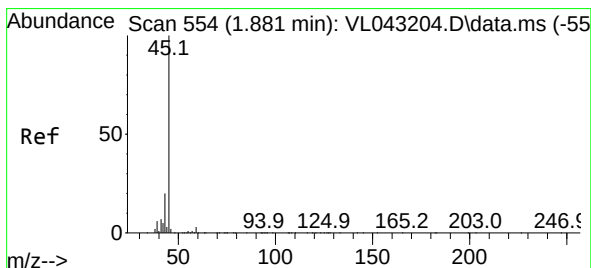
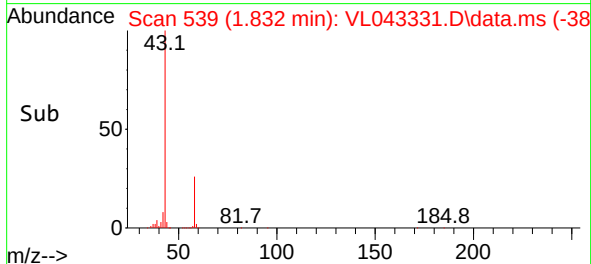
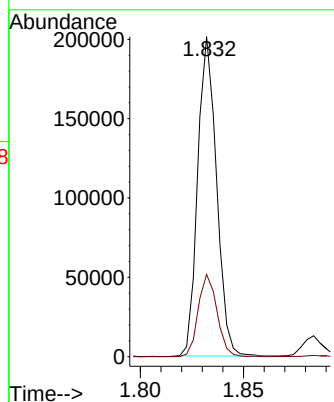
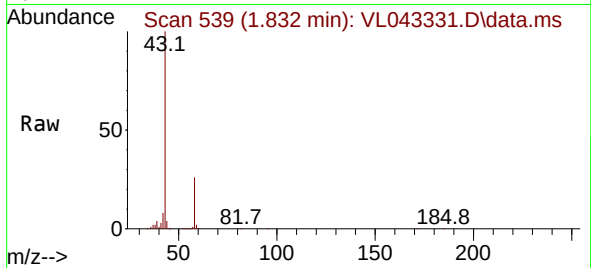




#15
Acetone
Concen: 7.497 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043331.D
Acq: 09 Dec 2025 07:30

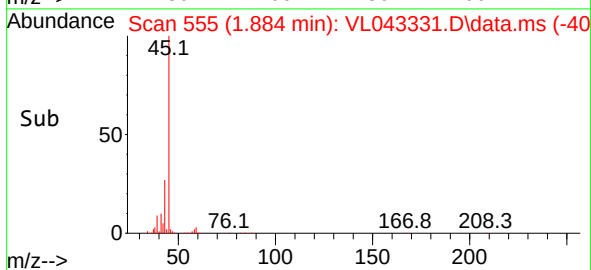
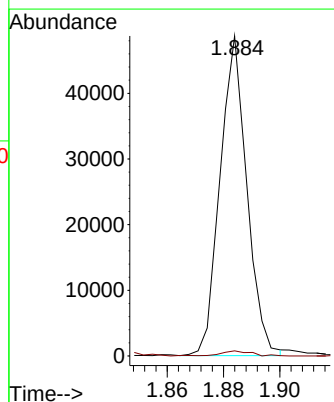
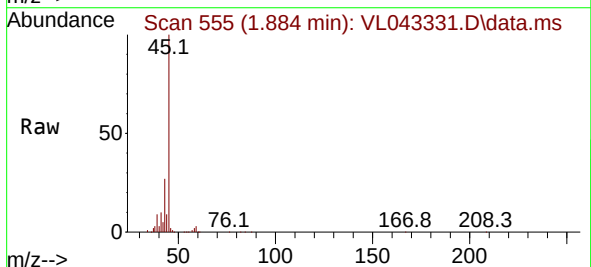
Instrument :
MSVOA_L
ClientSampleId :
10-IA-1DL2

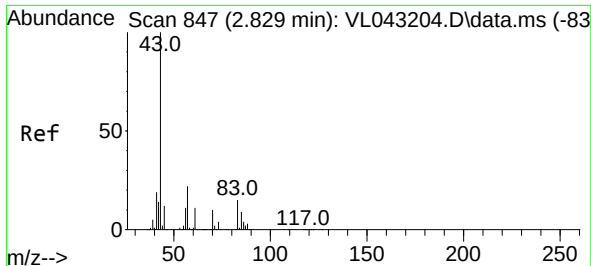
Tgt Ion: 43 Resp: 127495
Ion Ratio Lower Upper
43 100
58 25.7 20.7 31.1



#19
Isopropyl Alcohol
Concen: 3.349 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043331.D
Acq: 09 Dec 2025 07:30

Tgt Ion: 45 Resp: 32181
Ion Ratio Lower Upper
45 100
58 101.7 31.3 46.9#





#25

Ethyl Acetate

Concen: 0.041 ppbv

RT: 2.829 min Scan# 847

Delta R.T. -0.000 min

Lab File: VL043331.D

Acq: 09 Dec 2025 07:30

Instrument :

MSVOA_1

ClientSampleId :

10-IA-1DL2

Tgt Ion: 43 Resp: 1495

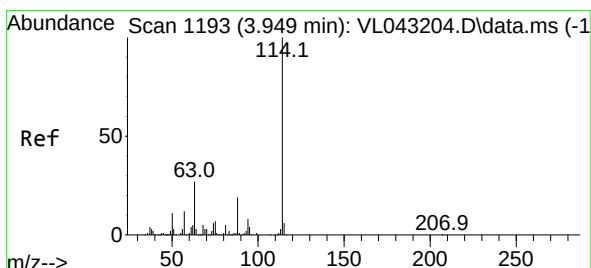
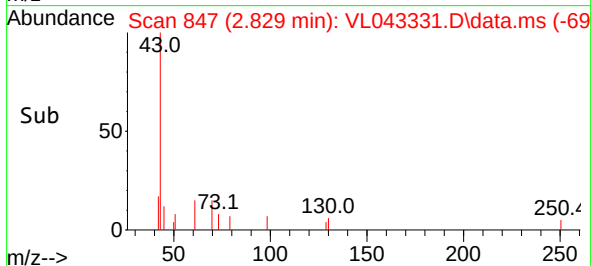
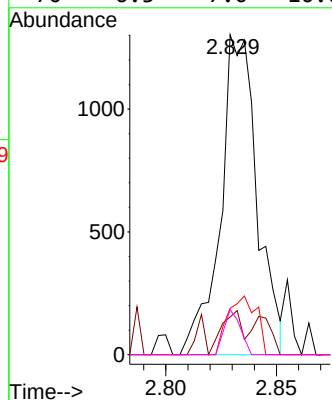
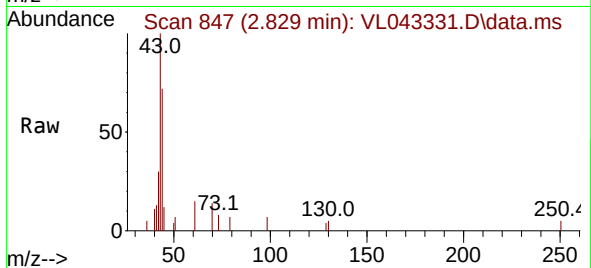
Ion Ratio Lower Upper

43 100

45 16.9 8.1 12.1#

61 14.4 7.0 10.4#

70 6.3 7.0 10.6#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VL043331.D

Acq: 09 Dec 2025 07:30

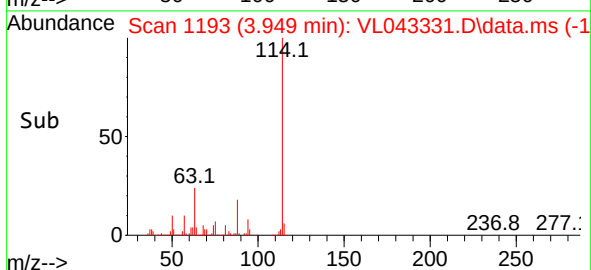
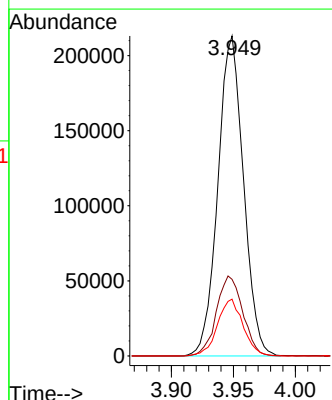
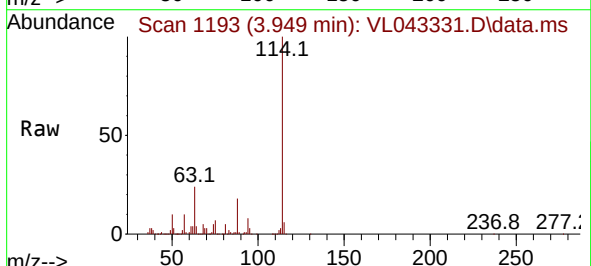
Tgt Ion: 114 Resp: 307022

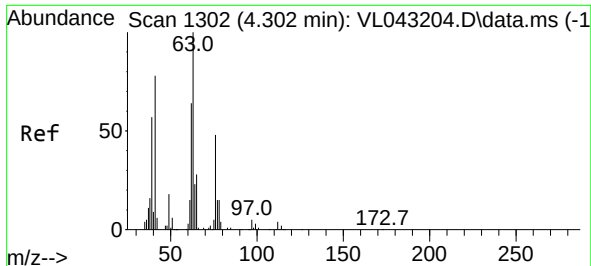
Ion Ratio Lower Upper

114 100

63 25.7 21.0 31.6

88 17.7 14.9 22.3





#39

1,2-Dichloropropane

Concen: 7.336 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.356 min

Lab File: VL043331.D

Acq: 09 Dec 2025 07:30

Instrument :

MSVOA_L

ClientSampleId :

10-IA-1DL2

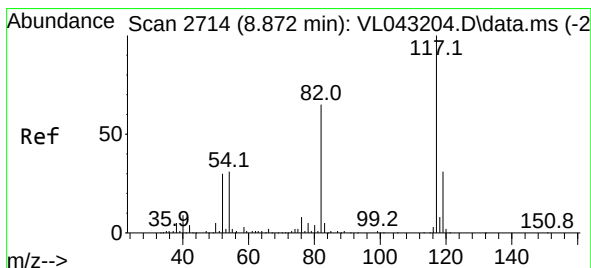
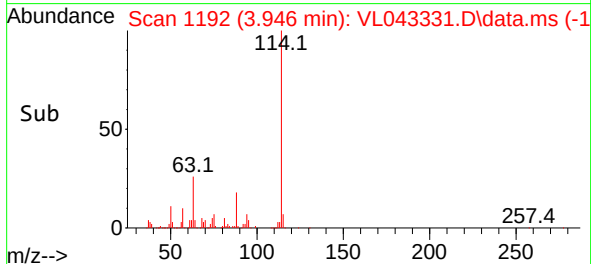
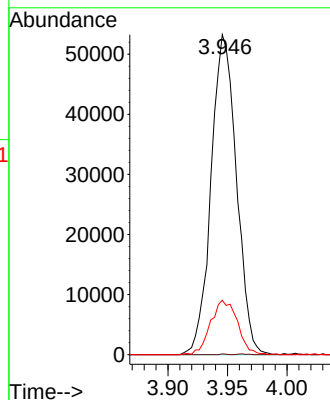
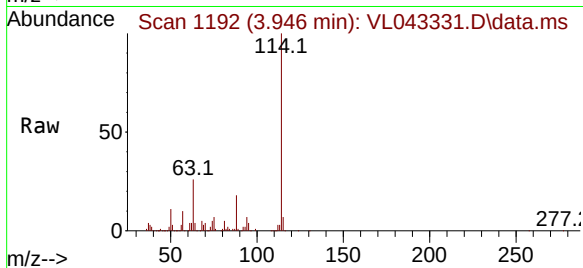
Tgt Ion: 63 Resp: 78942

Ion Ratio Lower Upper

63 100

41 0.3 62.6 93.8#

62 17.0 51.0 76.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.869 min Scan# 2713

Delta R.T. -0.004 min

Lab File: VL043331.D

Acq: 09 Dec 2025 07:30

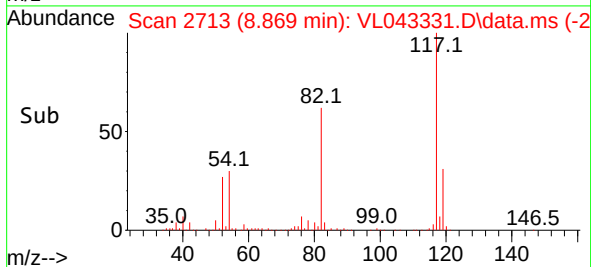
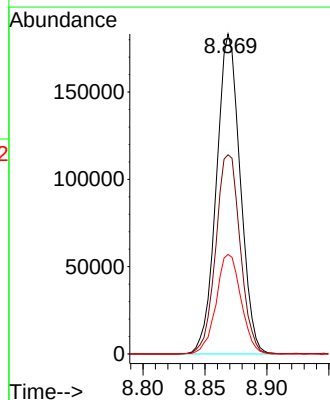
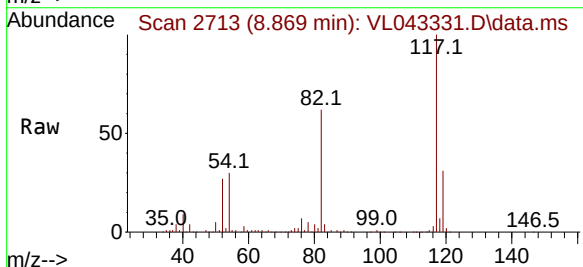
Tgt Ion: 117 Resp: 245820

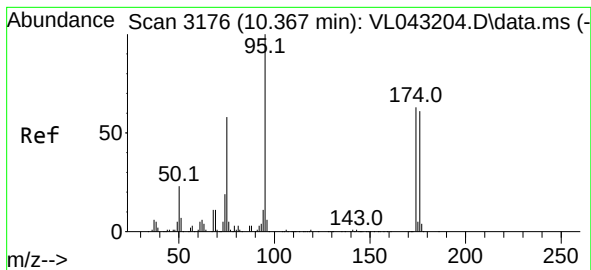
Ion Ratio Lower Upper

117 100

82 63.9 56.1 84.1

119 32.4 25.0 37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.526 ppbv
 RT: 10.367 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VL043331.D
 Acq: 09 Dec 2025 07:30

Instrument :
 MSVOA_L
 ClientSampleId :
 10-IA-1DL2

Tgt Ion: 95 Resp: 171652
 Ion Ratio Lower Upper
 95 100
 174 69.1 50.2 75.2
 175 5.0 4.1 6.1

