

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
 Data File : VL042219.D
 Acq On : 04 Apr 2025 11:16
 Operator : SY/MD
 Sample : QC040325 CAN 10300
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC040325 CAN 10300

Quant Time: Apr 05 02:00:53 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)

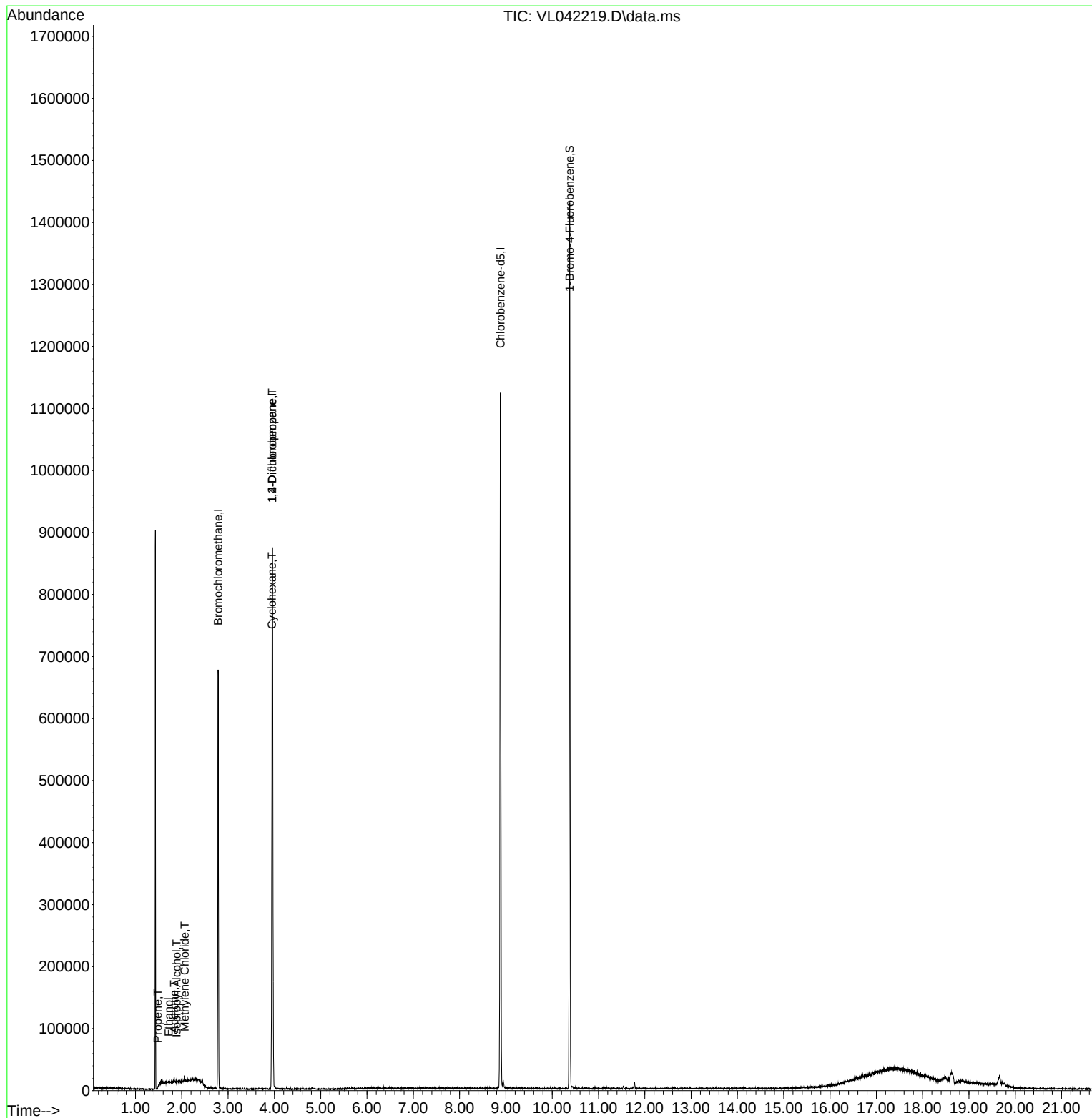
Internal Standards						
1) Bromochloromethane	2.784	49	181629	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	492050	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	439540	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	344682	9.549	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.500%
Target Compounds						
					Qvalue	
9) Propene	1.483	41	416	0.033	ppbv #	58
13) Ethanol	1.716	45	422	0.356	ppbv	74
15) Acetone	1.836	43	2994	0.118	ppbv #	82
19) Isopropyl Alcohol	1.887	45	836	0.058	ppbv #	40
20) Methylene Chloride	2.062	84	1467	0.155	ppbv	96
30) Cyclohexane	3.949	84	2449	0.111	ppbv #	1
39) 1,2-Dichloropropane	3.956	63	129274	7.277	ppbv #	21

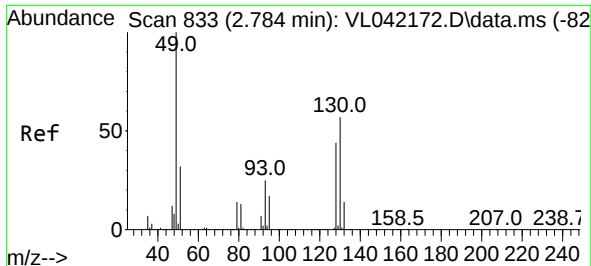
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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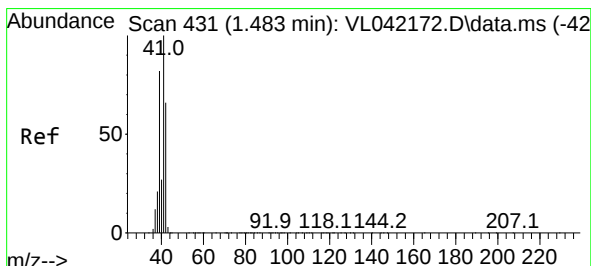
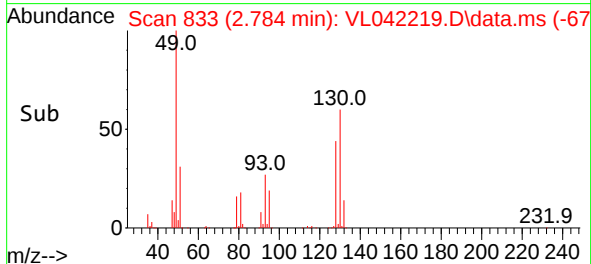
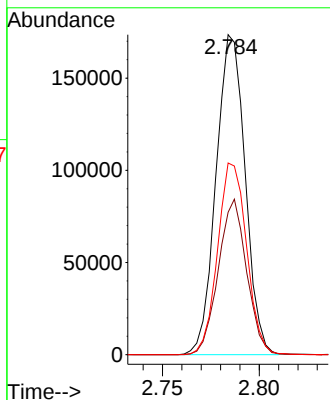
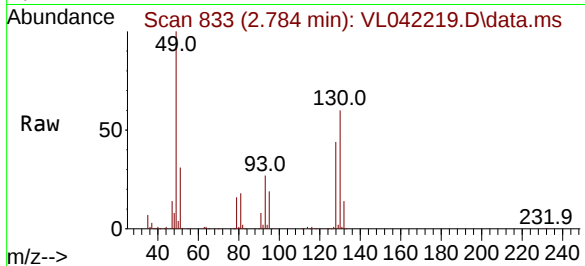




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042219.D
Acq: 04 Apr 2025 11:16

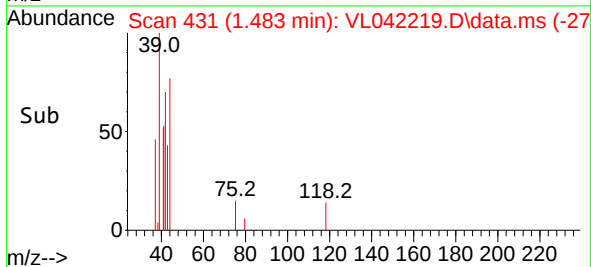
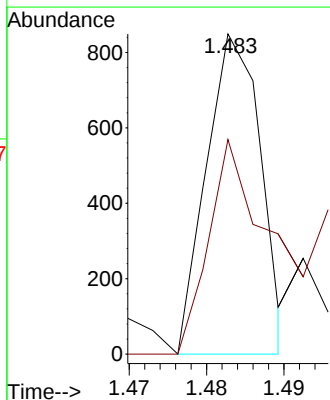
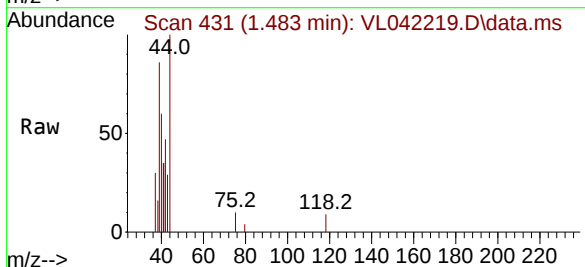
Instrument :
MSVOA_L
ClientSampleId :
QC040325 CAN 10300

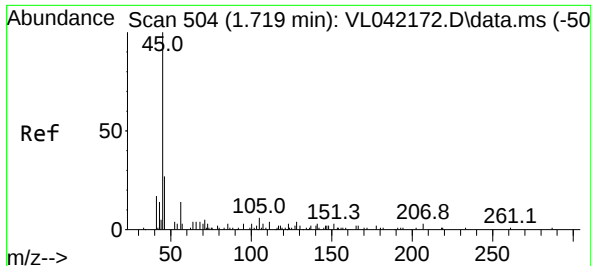
Tgt Ion: 49 Resp: 181629
Ion Ratio Lower Upper
49 100
128 47.4 22.9 68.5
130 59.7 28.8 86.4



#9
Propene
Concen: 0.033 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.000 min
Lab File: VL042219.D
Acq: 04 Apr 2025 11:16

Tgt Ion: 41 Resp: 416
Ion Ratio Lower Upper
41 100
42 103.4 55.4 83.2#





#13

Ethanol

Concen: 0.356 ppbv

RT: 1.716 min Scan# 50

Delta R.T. -0.003 min

Lab File: VL042219.D

Acq: 04 Apr 2025 11:16

Instrument :

MSVOA_L

ClientSampleId :

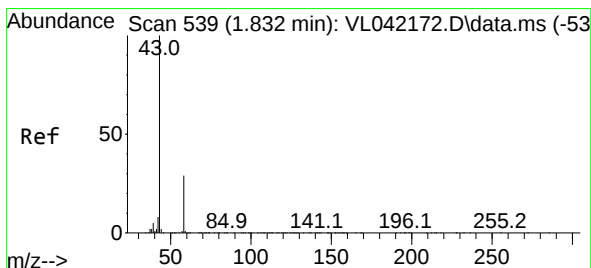
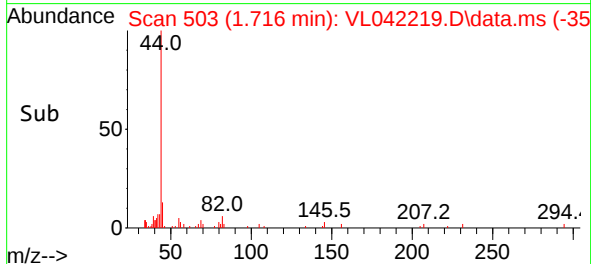
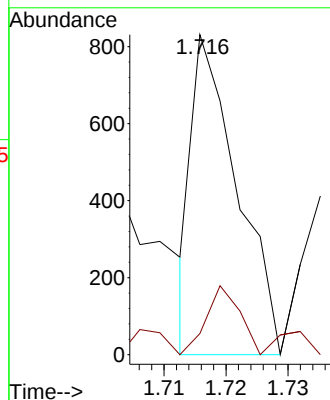
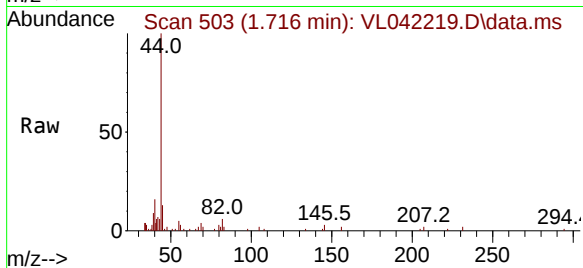
QC040325 CAN 10300

Tgt Ion: 45 Resp: 422

Ion Ratio Lower Upper

45 100

46 32.7 20.2 80.8



#15

Acetone

Concen: 0.118 ppbv

RT: 1.836 min Scan# 540

Delta R.T. 0.003 min

Lab File: VL042219.D

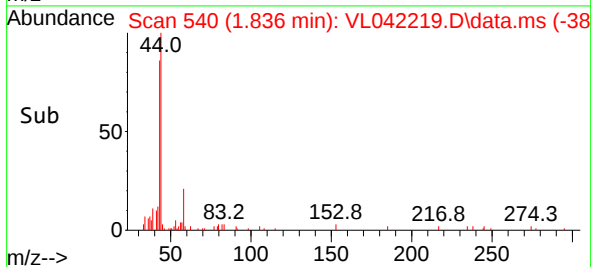
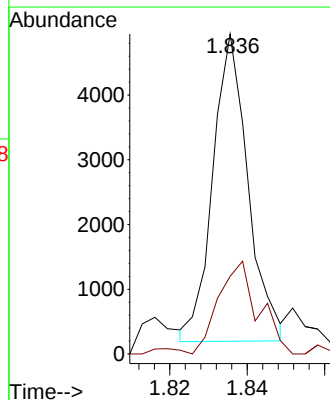
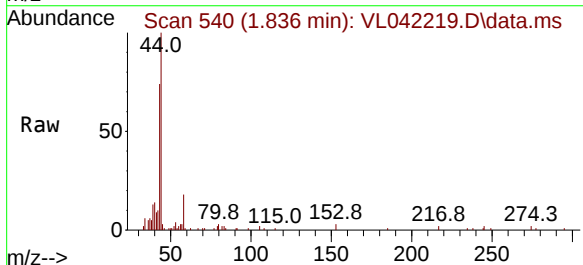
Acq: 04 Apr 2025 11:16

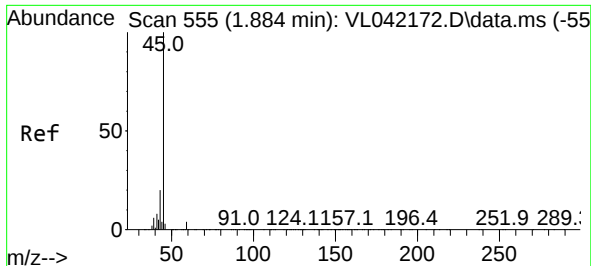
Tgt Ion: 43 Resp: 2994

Ion Ratio Lower Upper

43 100

58 38.9 23.2 34.8#





#19

Isopropyl Alcohol

Concen: 0.058 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL042219.D

Acq: 04 Apr 2025 11:16

Instrument :

MSVOA_L

ClientSampleId :

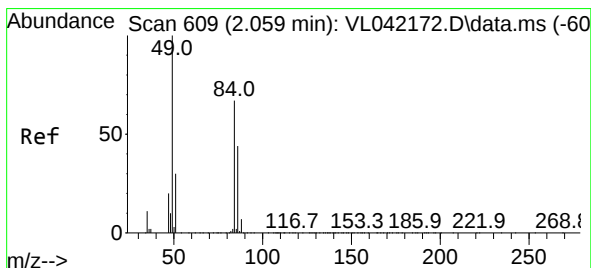
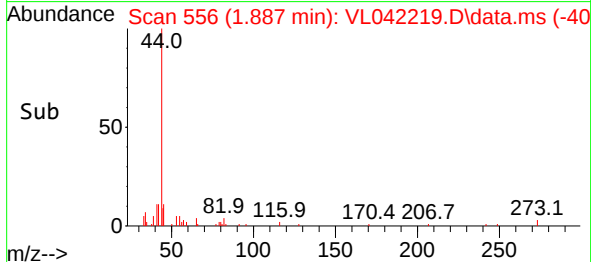
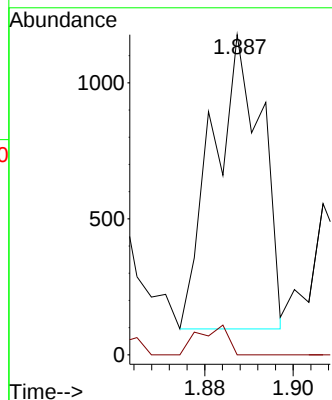
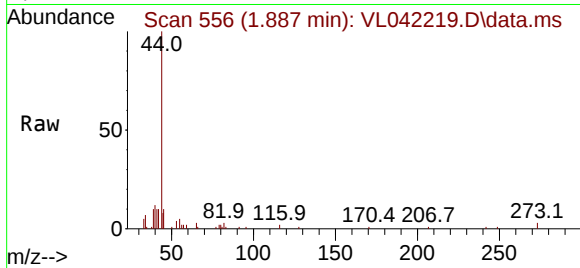
QC040325 CAN 10300

Tgt Ion: 45 Resp: 836

Ion Ratio Lower Upper

45 100

58 6.1 36.9 55.3#



#20

Methylene Chloride

Concen: 0.155 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL042219.D

Acq: 04 Apr 2025 11:16

Tgt Ion: 84 Resp: 1467

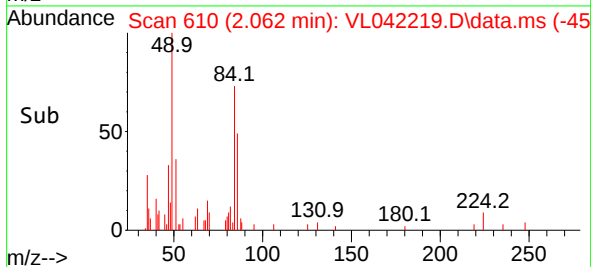
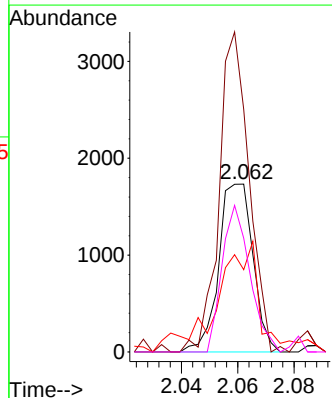
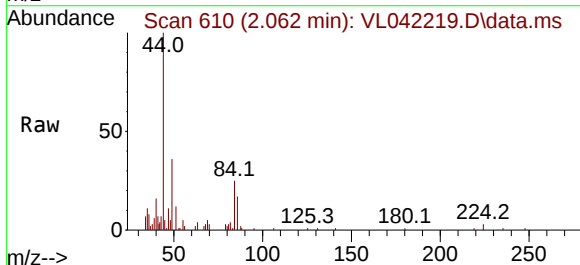
Ion Ratio Lower Upper

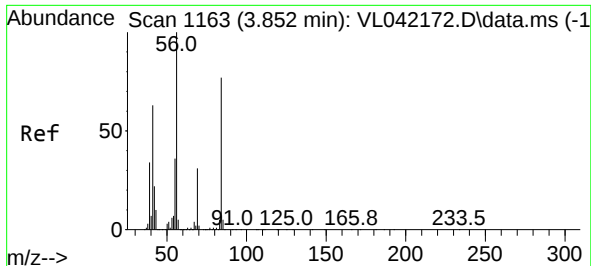
84 100

49 144.5 120.2 180.4

51 43.9 37.4 56.0

86 67.7 52.4 78.6

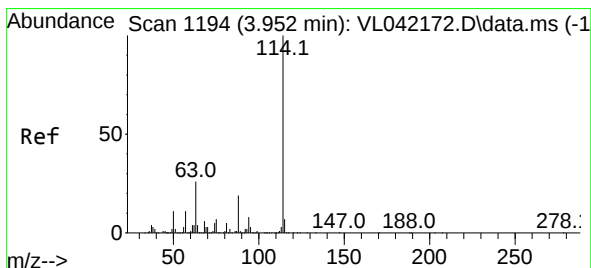
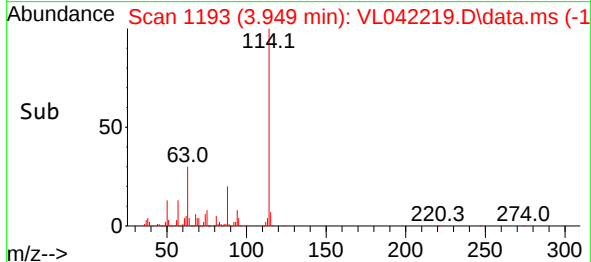
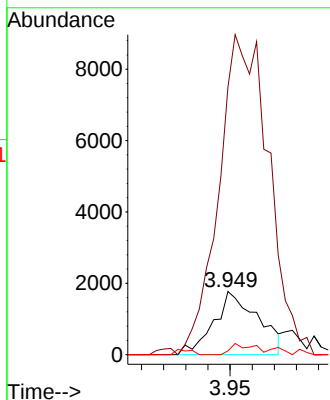
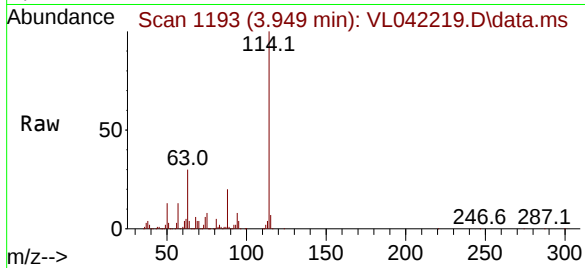




#30
Cyclohexane
Concen: 0.111 ppbv
RT: 3.949 min Scan# 1163
Delta R.T. 0.097 min
Lab File: VL042219.D
Acq: 04 Apr 2025 11:16

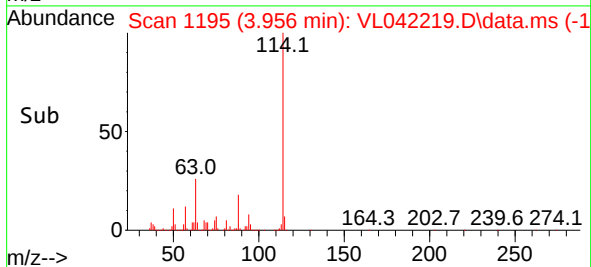
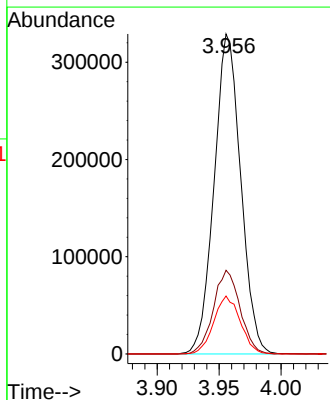
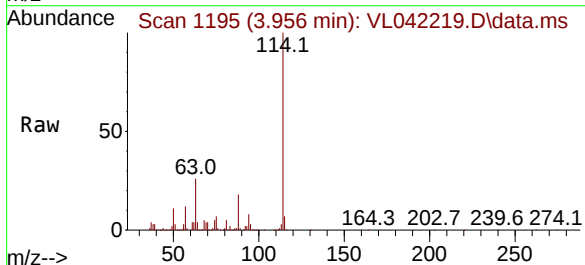
Instrument :
MSVOA_L
ClientSampleId :
QC040325 CAN 10300

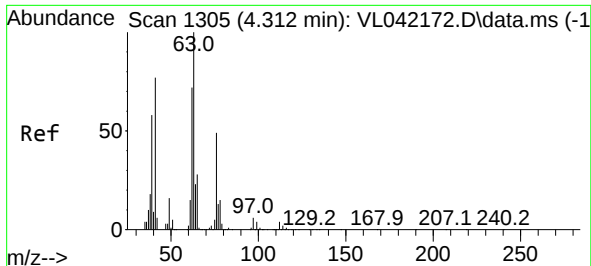
Tgt Ion: 84 Resp: 2449
Ion Ratio Lower Upper
84 100
56 576.2 102.8 154.2#
41 17.5 66.5 99.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1195
Delta R.T. 0.003 min
Lab File: VL042219.D
Acq: 04 Apr 2025 11:16

Tgt Ion: 114 Resp: 492050
Ion Ratio Lower Upper
114 100
63 26.3 20.7 31.1
88 18.1 15.0 22.4





#39

1,2-Dichloropropane

Concen: 7.277 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.356 min

Lab File: VL042219.D

Acq: 04 Apr 2025 11:16

Instrument :

MSVOA_L

ClientSampleId :

QC040325 CAN 10300

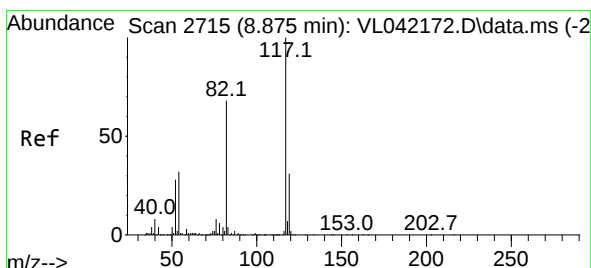
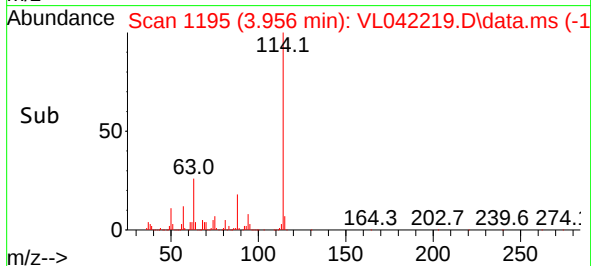
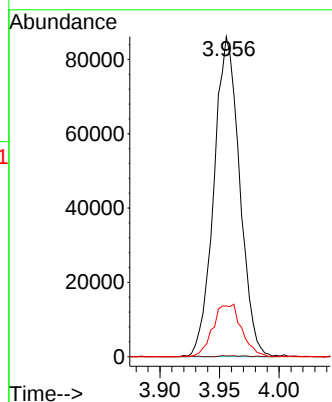
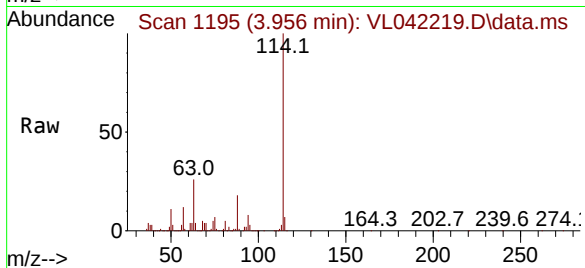
Tgt Ion: 63 Resp: 129274

Ion Ratio Lower Upper

63 100

41 0.2 61.7 92.5#

62 15.9 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. 0.006 min

Lab File: VL042219.D

Acq: 04 Apr 2025 11:16

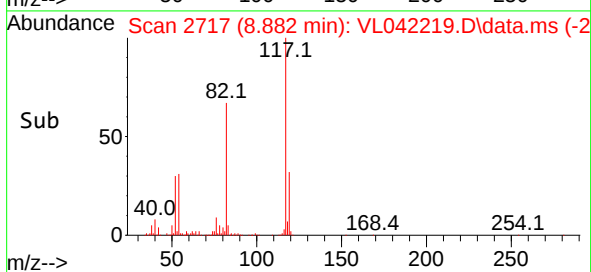
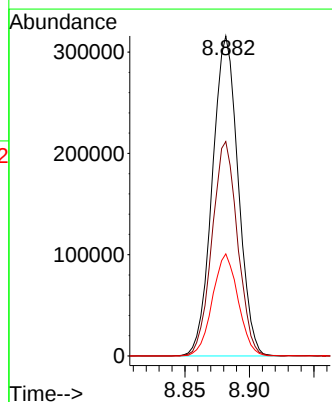
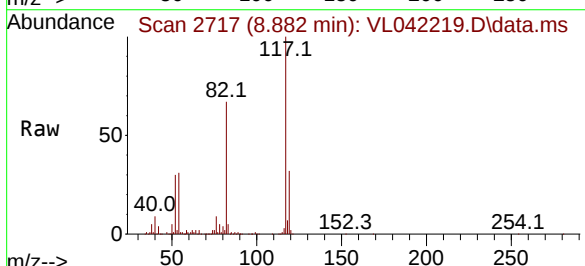
Tgt Ion: 117 Resp: 439540

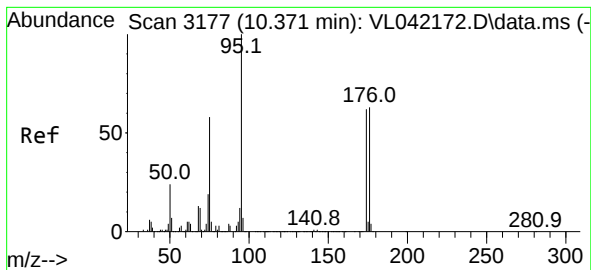
Ion Ratio Lower Upper

117 100

82 66.4 55.8 83.6

119 31.8 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.549 ppbv
 RT: 10.377 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VL042219.D
 Acq: 04 Apr 2025 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 QC040325 CAN 10300

Tgt Ion: 95 Resp: 344682
 Ion Ratio Lower Upper
 95 100
 174 60.5 50.6 76.0
 175 4.5 3.8 5.6

