

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042492.D
 Acq On : 06 May 2025 12:19
 Operator : SY/MD
 Sample : QC042225 CAN 10669
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC042225 CAN 10669

Quant Time: May 07 01:38:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

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

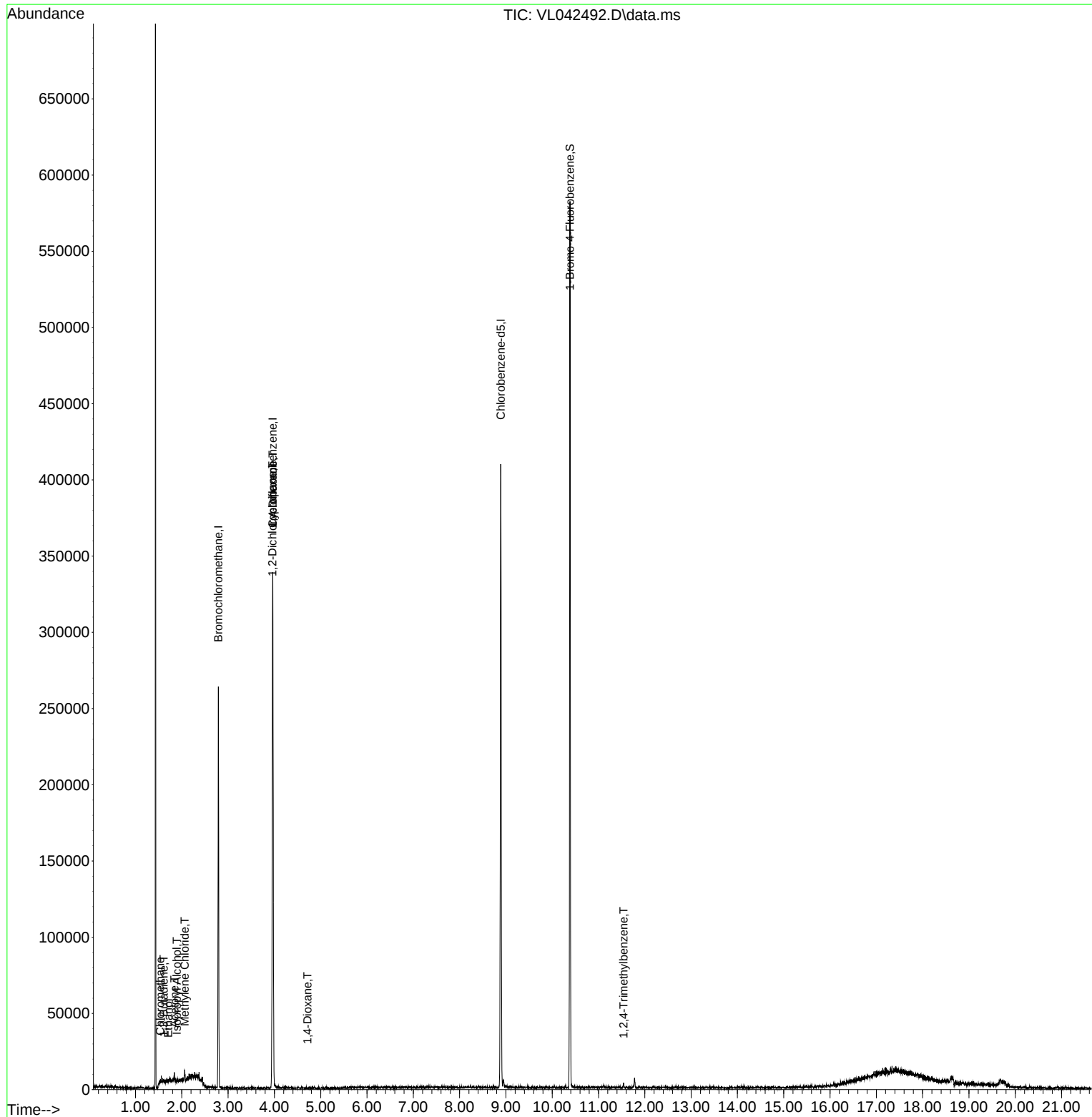
Internal Standards						
1) Bromochloromethane	2.790	49	63187	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	172595	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	143665	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	131884	9.901	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
					Qvalue	
4) Chloromethane	1.531	50	112	0.026	ppbv #	45
13) Ethanol	1.706	45	123	0.168	ppbv #	37
15) Acetone	1.839	43	2122	0.184	ppbv #	88
16) 1,3-Butadiene	1.609	39	166	0.033	ppbv #	15
19) Isopropyl Alcohol	1.894	45	217	0.034	ppbv #	94
20) Methylene Chloride	2.065	84	775	0.223	ppbv #	76
30) Cyclohexane	3.962	84	829	0.123	ppbv #	1
39) 1,2-Dichloropropane	3.959	63	50376	8.262	ppbv #	19
40) 1,4-Dioxane	4.716	88	62	0.022	ppbv #	100
74) 1,2,4-Trimethylbenzene	11.542	105	685	0.027	ppbv #	42

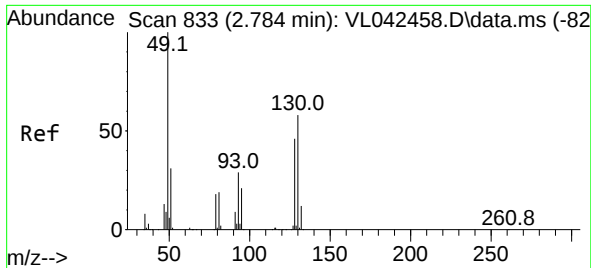
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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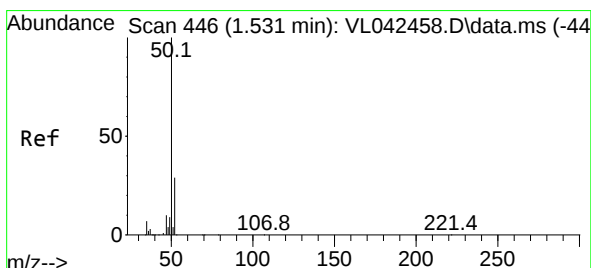
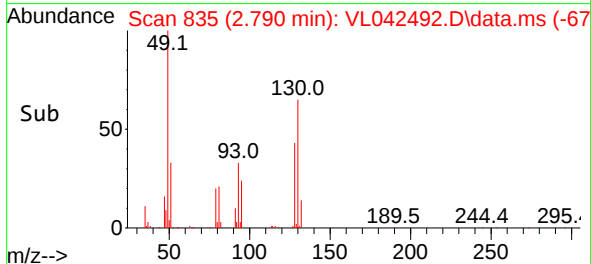
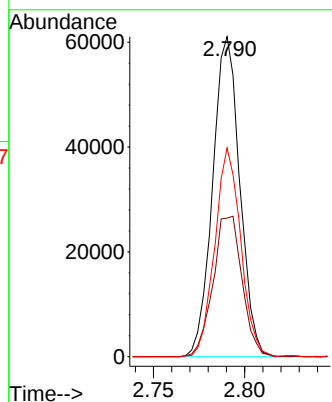
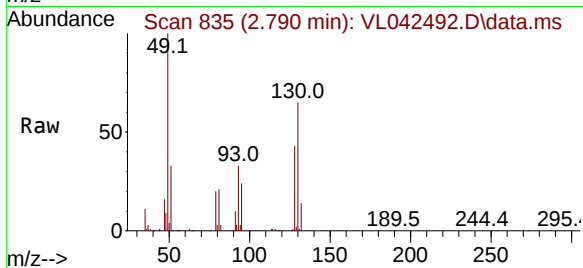




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042492.D
Acq: 06 May 2025 12:19

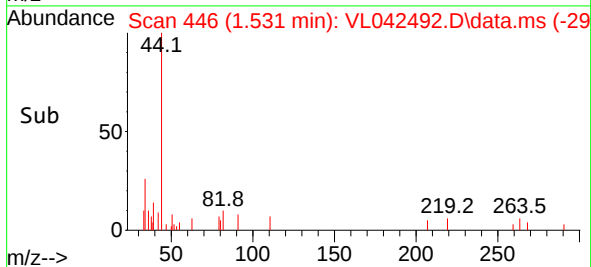
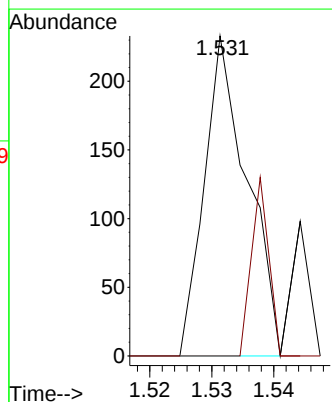
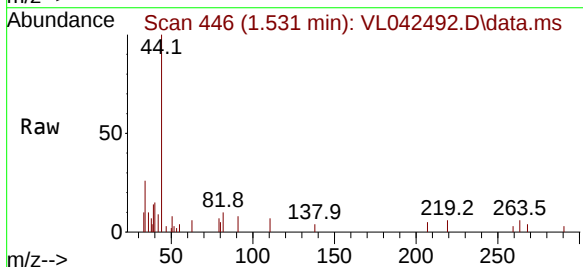
Instrument :
MSVOA_L
ClientSampleId :
QC042225 CAN 10669

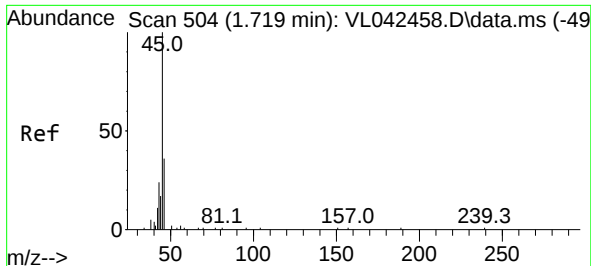
Tgt Ion: 49 Resp: 63187
Ion Ratio Lower Upper
49 100
128 47.1 23.3 69.9
130 62.5 29.5 88.6



#4
Chloromethane
Concen: 0.026 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042492.D
Acq: 06 May 2025 12:19

Tgt Ion: 50 Resp: 112
Ion Ratio Lower Upper
50 100
52 0.0 23.5 35.3#

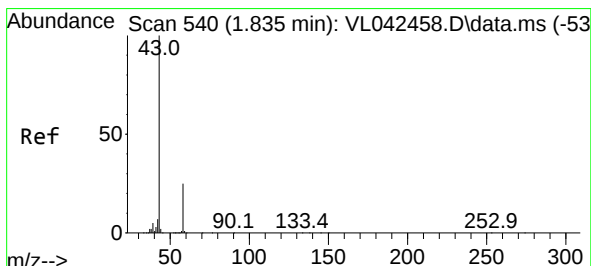
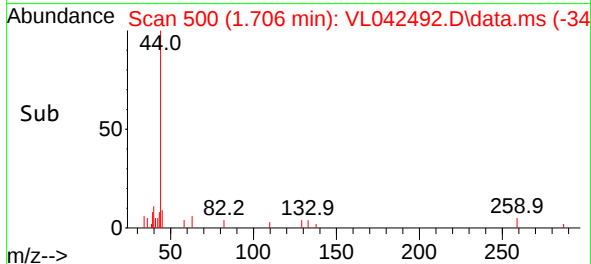
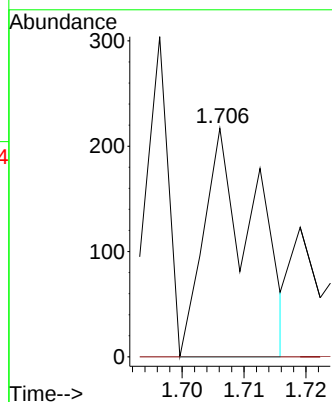
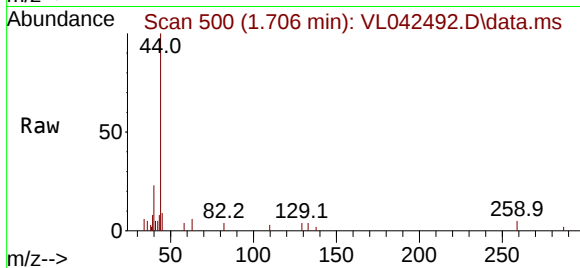




#13
Ethanol
Concen: 0.168 ppbv
RT: 1.706 min Scan# 504
Delta R.T. -0.013 min
Lab File: VL042492.D
Acq: 06 May 2025 12:19

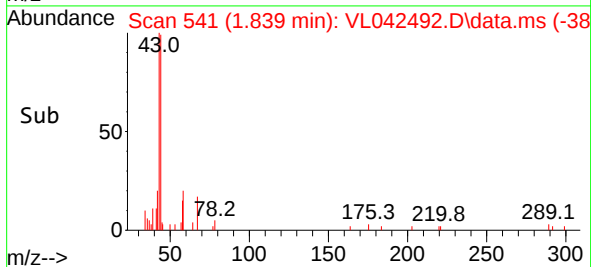
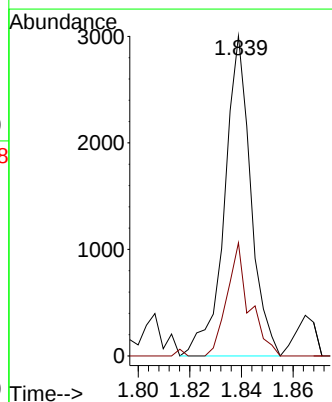
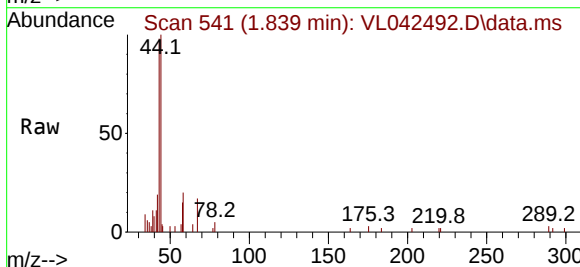
Instrument :
MSVOA_L
ClientSampleId :
QC042225 CAN 10669

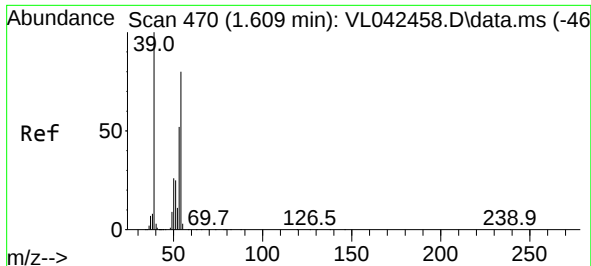
Tgt Ion: 45 Resp: 123
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1#



#15
Acetone
Concen: 0.184 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042492.D
Acq: 06 May 2025 12:19

Tgt Ion: 43 Resp: 2122
Ion Ratio Lower Upper
43 100
58 30.9 19.8 29.8#

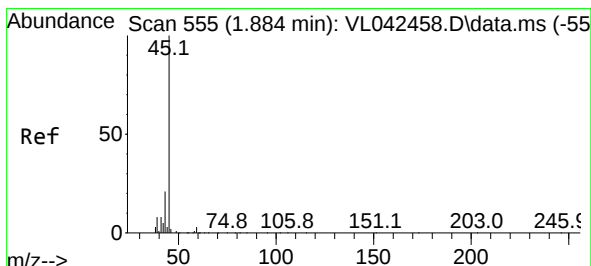
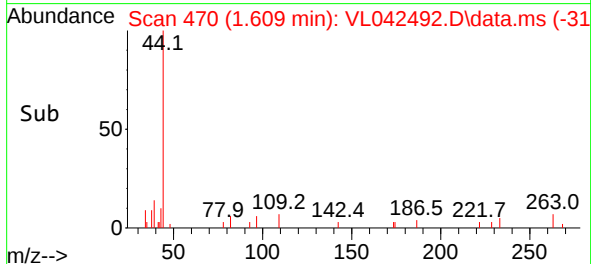
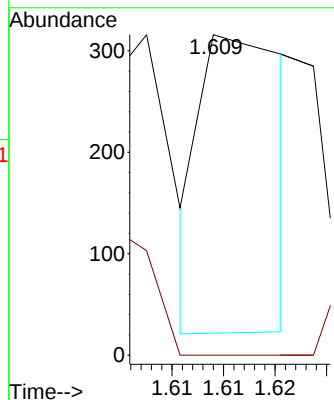
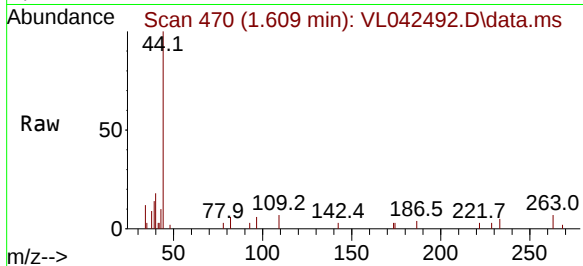




#16
1,3-Butadiene
Concen: 0.033 ppbv
RT: 1.609 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042492.D
Acq: 06 May 2025 12:19

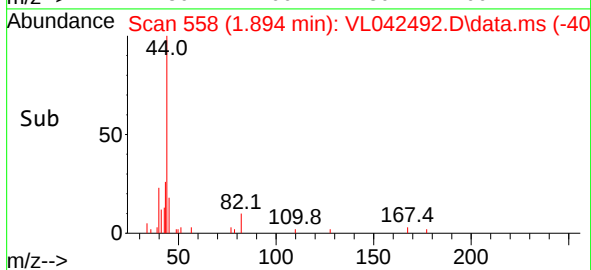
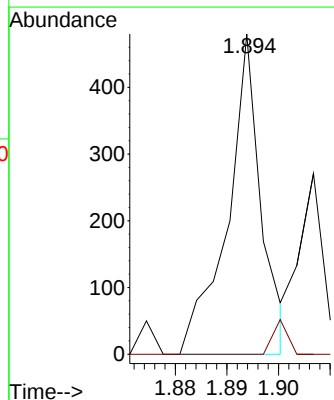
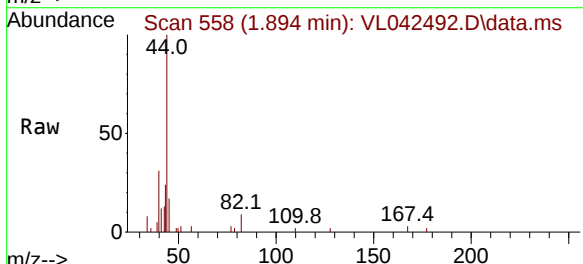
Instrument :
MSVOA_L
ClientSampleId :
QC042225 CAN 10669

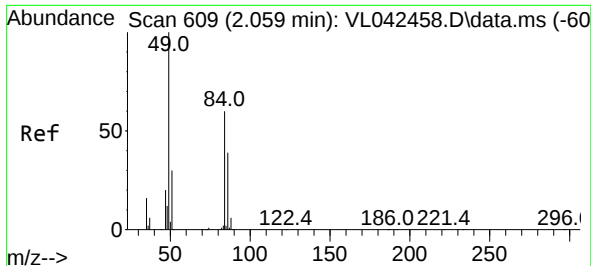
Tgt Ion: 39 Resp: 166
Ion Ratio Lower Upper
39 100
54 0.0 55.2 82.8#



#19
Isopropyl Alcohol
Concen: 0.034 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.010 min
Lab File: VL042492.D
Acq: 06 May 2025 12:19

Tgt Ion: 45 Resp: 217
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#

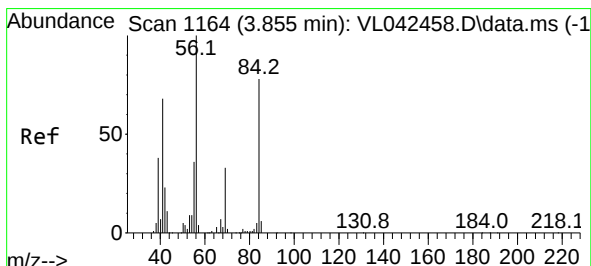
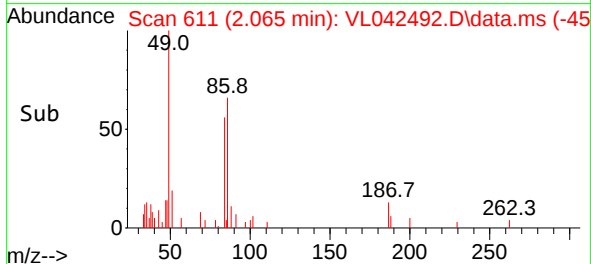
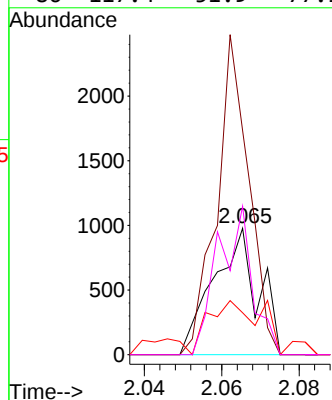
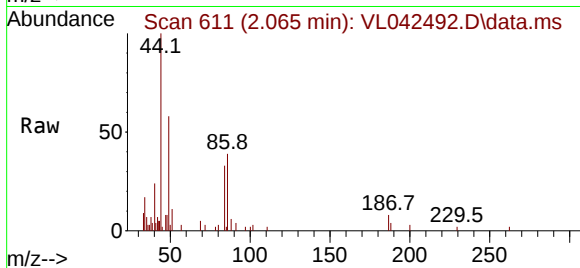




#20
Methylene Chloride
Concen: 0.223 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042492.D
Acq: 06 May 2025 12:19

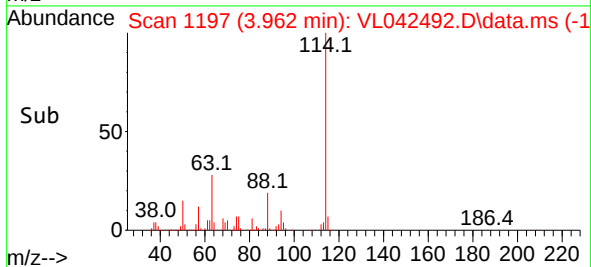
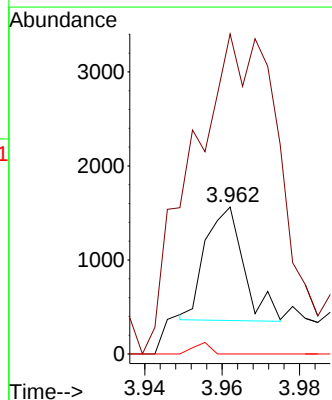
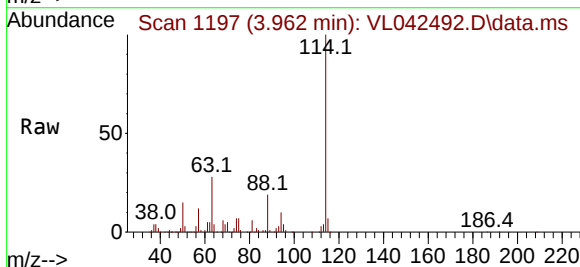
Instrument :
MSVOA_1
ClientSampleId :
QC042225 CAN 10669

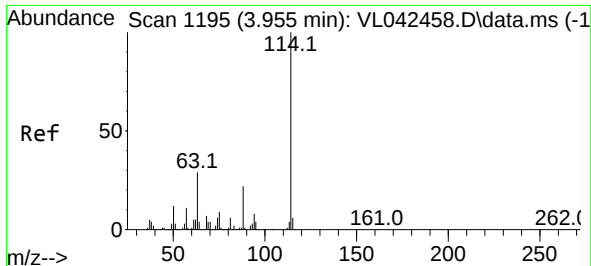
Tgt Ion:	84	Resp:	775
Ion	Ratio	Lower	Upper
84	100		
49	177.3	133.9	200.9
51	33.2	41.0	61.6#
86	117.4	51.9	77.9#



#30
Cyclohexane
Concen: 0.123 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.107 min
Lab File: VL042492.D
Acq: 06 May 2025 12:19

Tgt Ion:	84	Resp:	829
Ion	Ratio	Lower	Upper
84	100		
56	688.7	98.1	147.1#
41	4.5	65.8	98.8#

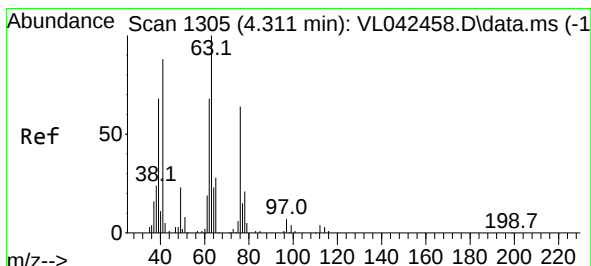
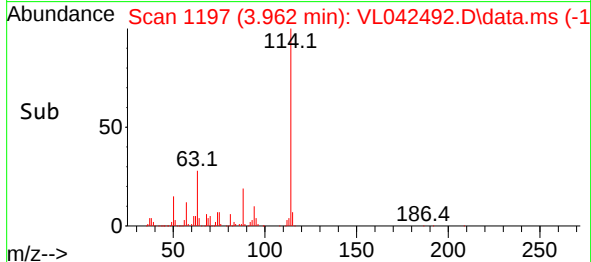
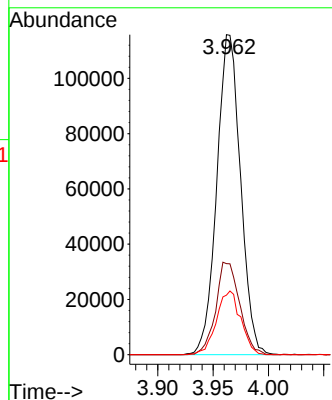
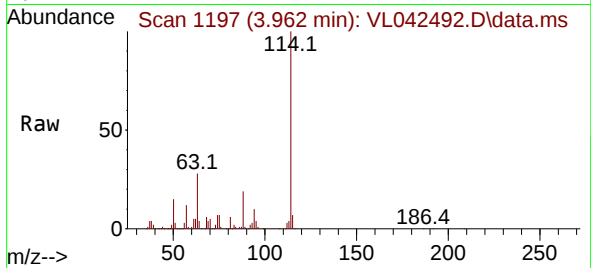




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1195
Delta R.T. 0.007 min
Lab File: VL042492.D
Acq: 06 May 2025 12:19

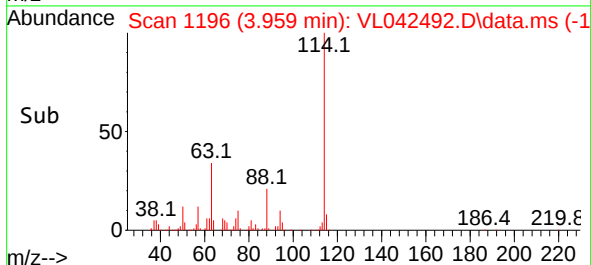
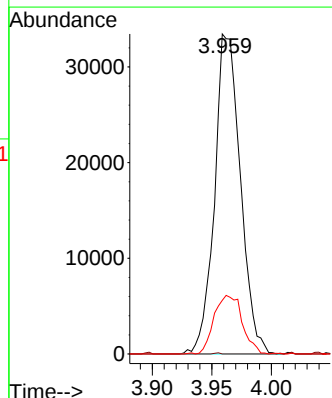
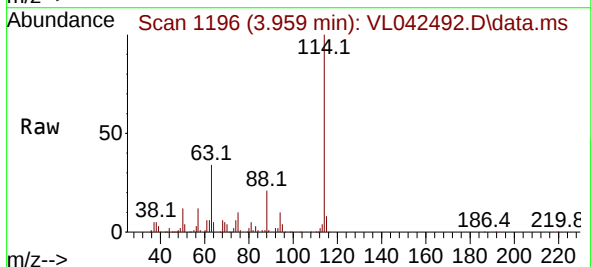
Instrument :
MSVOA_1
ClientSampleId :
QC042225 CAN 10669

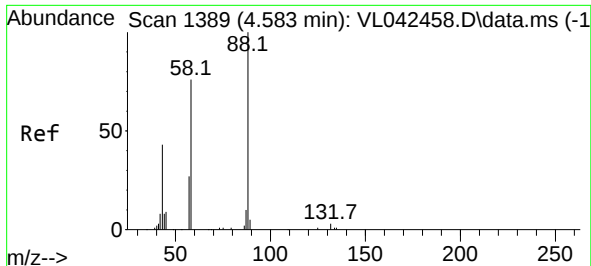
Tgt Ion:114 Resp: 172595
Ion Ratio Lower Upper
114 100
63 29.2 23.1 34.7
88 20.4 16.1 24.1



#39
1,2-Dichloropropane
Concen: 8.262 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.353 min
Lab File: VL042492.D
Acq: 06 May 2025 12:19

Tgt Ion: 63 Resp: 50376
Ion Ratio Lower Upper
63 100
41 0.0 69.8 104.6#
62 16.7 54.3 81.5#





#40

1,4-Dioxane

Concen: 0.022 ppbv

RT: 4.716 min Scan# 14

Delta R.T. 0.133 min

Lab File: VL042492.D

Acq: 06 May 2025 12:19

Instrument :

MSVOA_L

ClientSampleId :

QC042225 CAN 10669

Tgt Ion: 88 Resp: 62

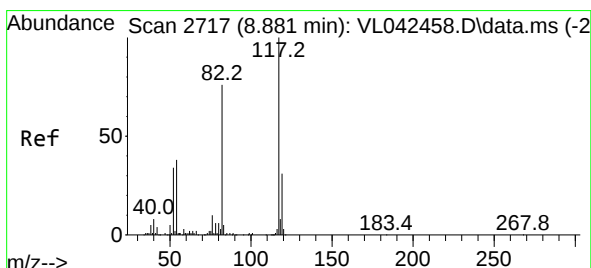
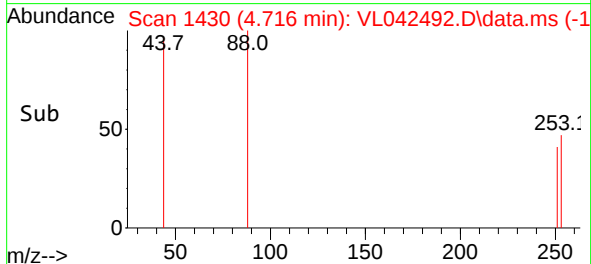
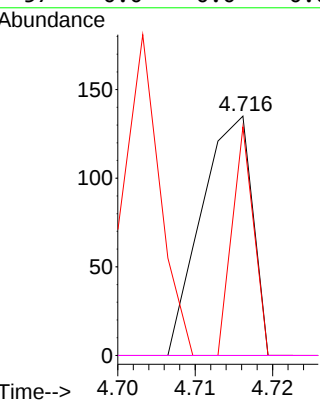
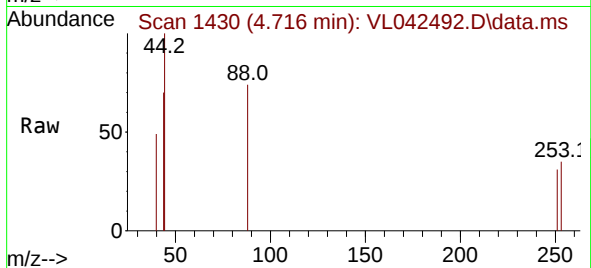
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 200.0 0.0 0.0#

57 0.0 0.0 0.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.007 min

Lab File: VL042492.D

Acq: 06 May 2025 12:19

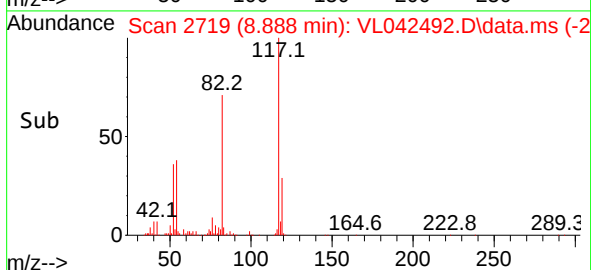
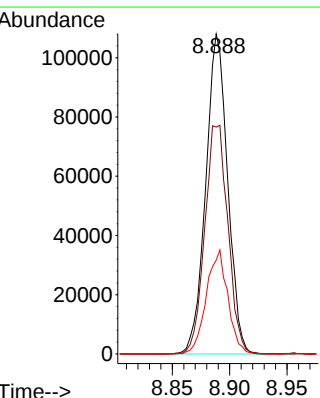
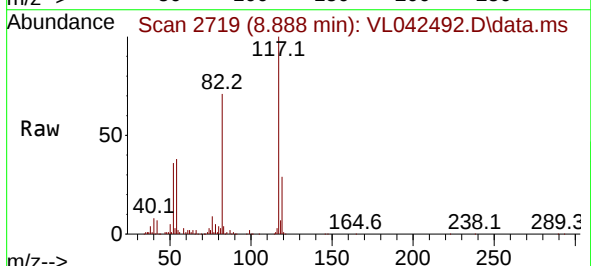
Tgt Ion: 117 Resp: 143665

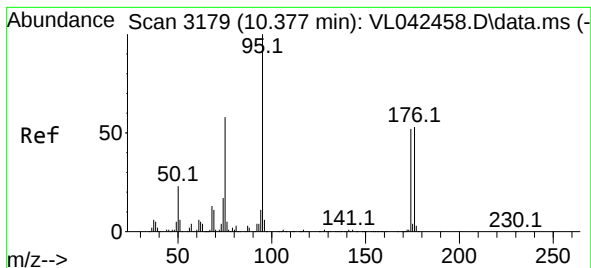
Ion Ratio Lower Upper

117 100

82 75.5 63.5 95.3

119 31.9 25.8 38.8

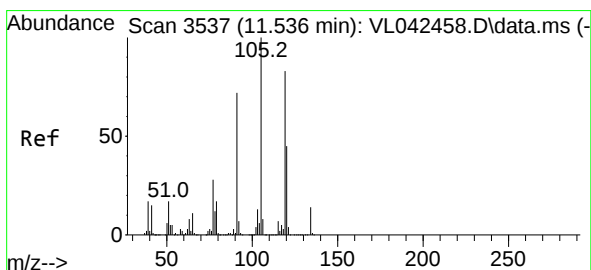
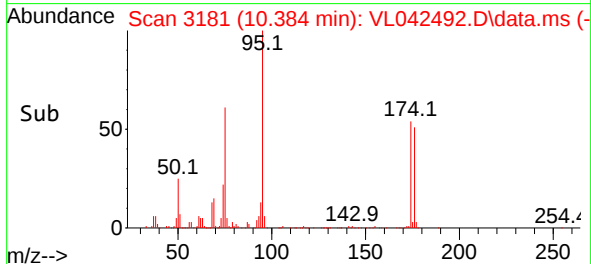
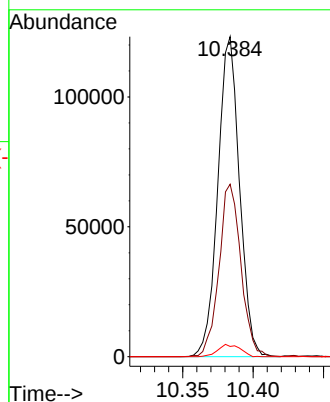
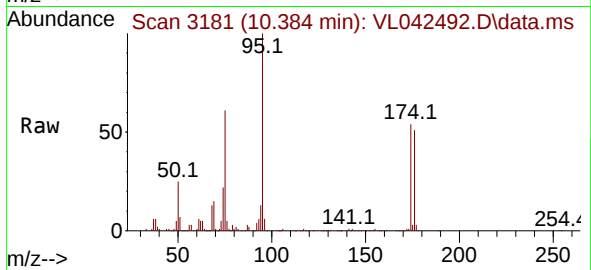




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.901 ppbv
 RT: 10.384 min Scan# 3179
 Delta R.T. 0.007 min
 Lab File: VL042492.D
 Acq: 06 May 2025 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 QC042225 CAN 10669

Tgt Ion: 95 Resp: 131884
 Ion Ratio Lower Upper
 95 100
 174 54.7 42.7 64.1
 175 3.9 3.6 5.4



#74
 1,2,4-Trimethylbenzene
 Concen: 0.027 ppbv
 RT: 11.542 min Scan# 3539
 Delta R.T. 0.007 min
 Lab File: VL042492.D
 Acq: 06 May 2025 12:19

Tgt Ion: 105 Resp: 685
 Ion Ratio Lower Upper
 105 100
 120 15.9 36.1 54.1#
 91 8.6 57.6 86.4#
 77 11.5 22.1 33.1#

