

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
 Data File : VL042217.D
 Acq On : 04 Apr 2025 10:13
 Operator : SY/MD
 Sample : QC040125 CAN 10258
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC040125 CAN 10258

Quant Time: Apr 05 02:00:05 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)

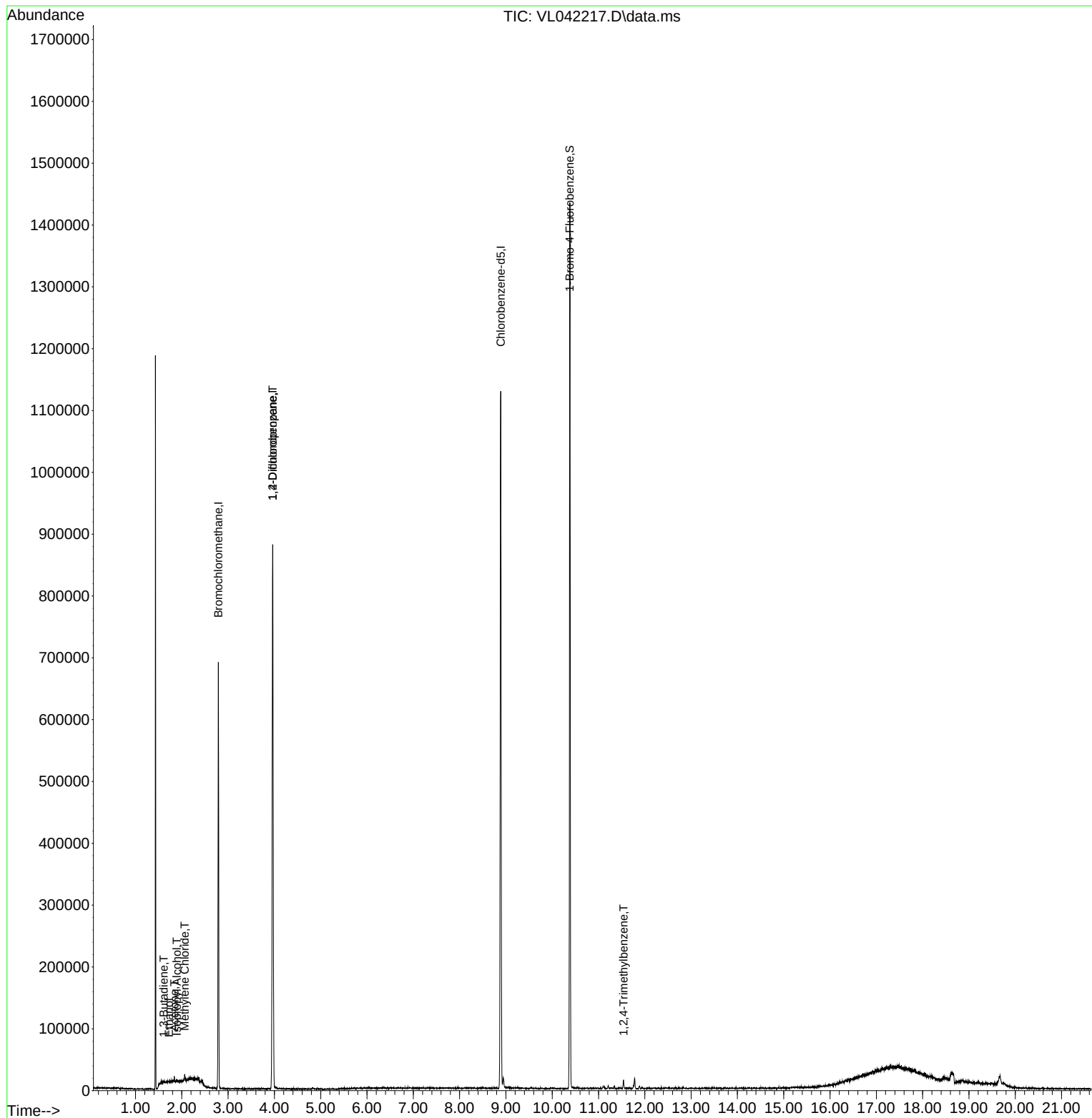
Internal Standards						
1) Bromochloromethane	2.790	49	183378	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	501262	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	446987	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	346584	9.442	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.400%
Target Compounds						
					Qvalue	
13) Ethanol	1.722	45	346	0.289	ppbv #	27
15) Acetone	1.839	43	4913	0.192	ppbv	90
16) 1,3-Butadiene	1.609	39	446	0.036	ppbv #	11
19) Isopropyl Alcohol	1.890	45	675	0.047	ppbv #	30
20) Methylene Chloride	2.065	84	1464	0.153	ppbv #	86
39) 1,2-Dichloropropane	3.962	63	131061	7.242	ppbv #	23
74) 1,2,4-Trimethylbenzene	11.539	105	4604	0.058	ppbv #	66

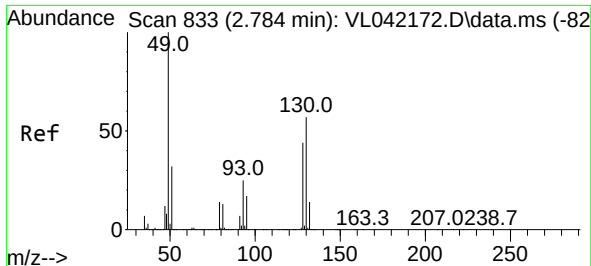
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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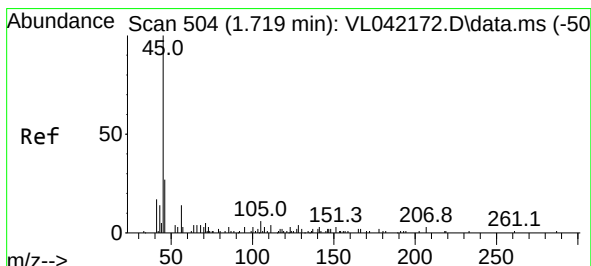
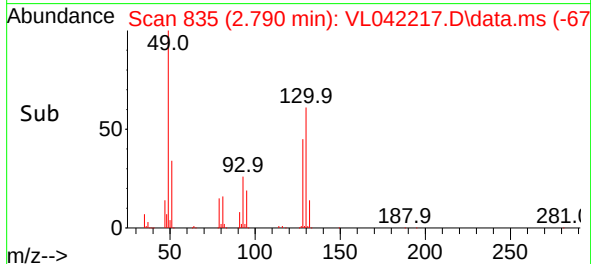
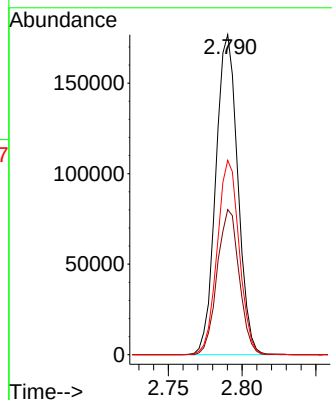
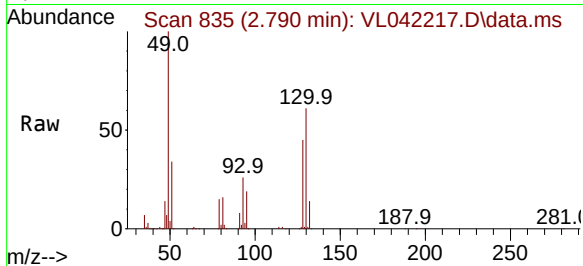




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042217.D
Acq: 04 Apr 2025 10:13

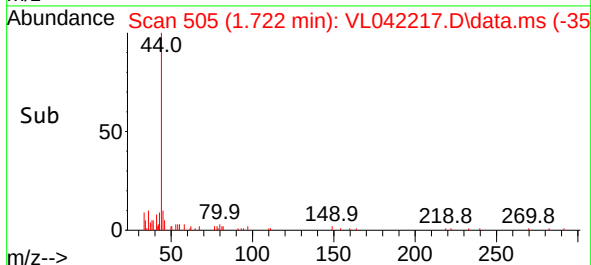
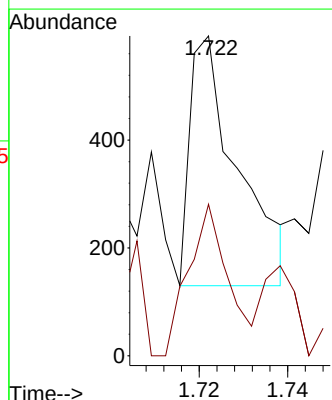
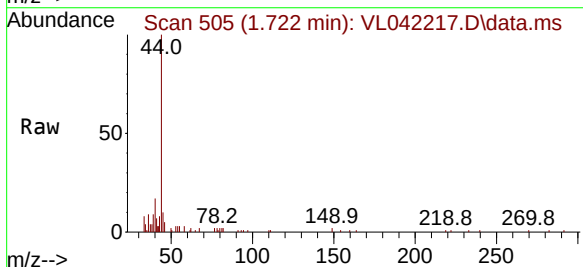
Instrument :
MSVOA_L
ClientSampleId :
QC040125 CAN 10258

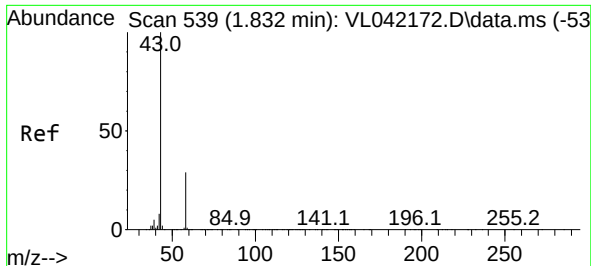
Tgt Ion: 49 Resp: 183378
Ion Ratio Lower Upper
49 100
128 45.5 22.9 68.5
130 60.7 28.8 86.4



#13
Ethanol
Concen: 0.289 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042217.D
Acq: 04 Apr 2025 10:13

Tgt Ion: 45 Resp: 346
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





#15

Acetone

Concen: 0.192 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL042217.D

Acq: 04 Apr 2025 10:13

Instrument :

MSVOA_L

ClientSampleId :

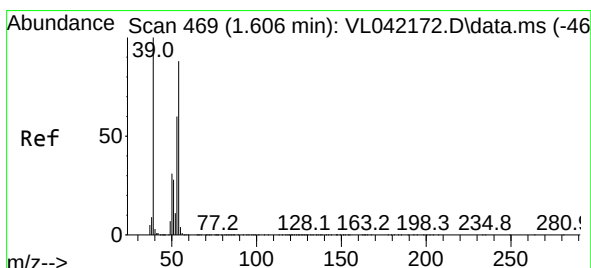
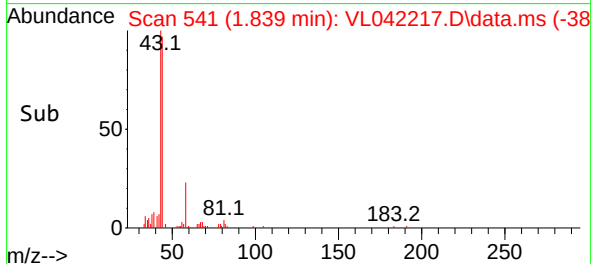
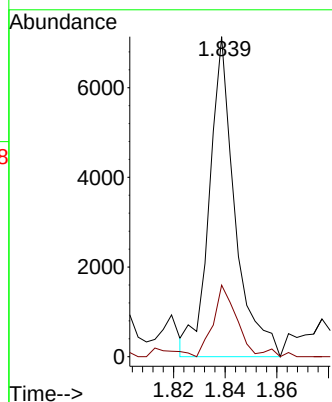
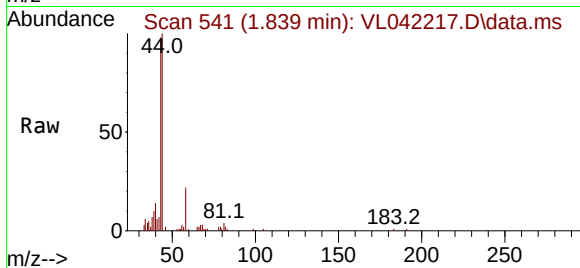
QC040125 CAN 10258

Tgt Ion: 43 Resp: 4913

Ion Ratio Lower Upper

43 100

58 23.9 23.2 34.8



#16

1,3-Butadiene

Concen: 0.036 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL042217.D

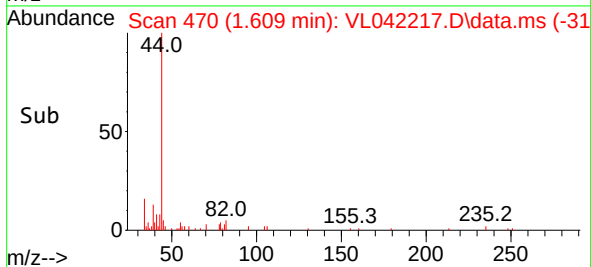
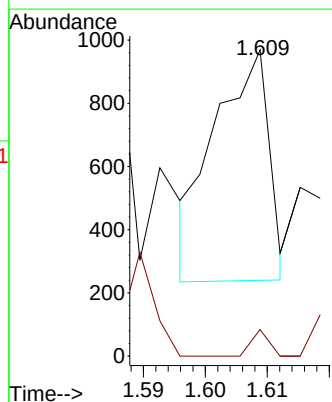
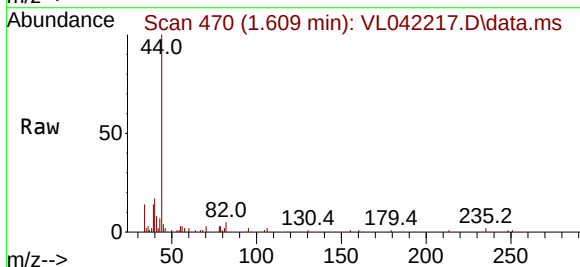
Acq: 04 Apr 2025 10:13

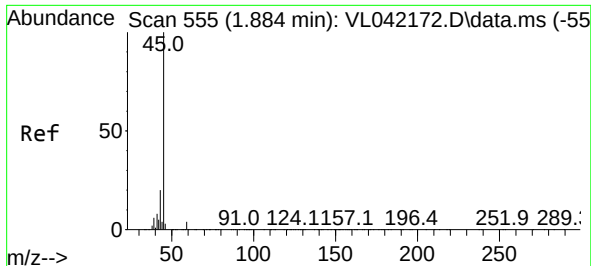
Tgt Ion: 39 Resp: 446

Ion Ratio Lower Upper

39 100

54 0.0 60.7 91.1#

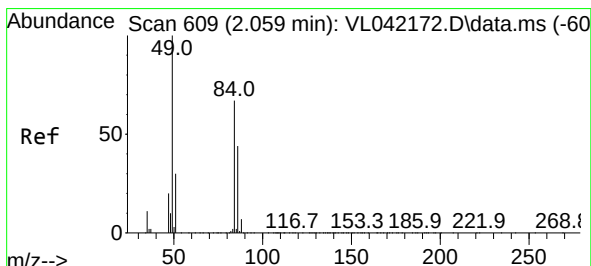
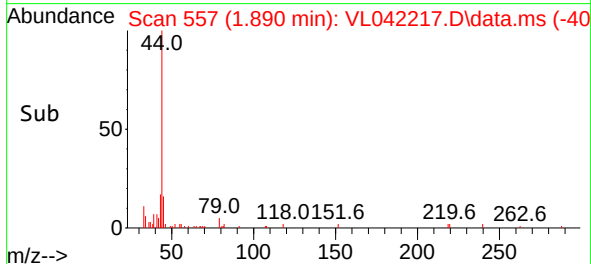
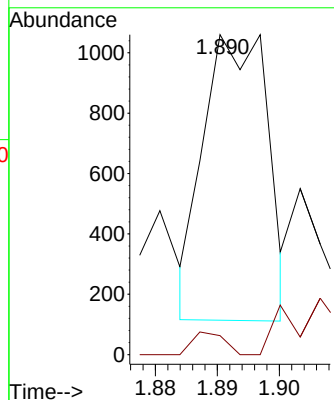
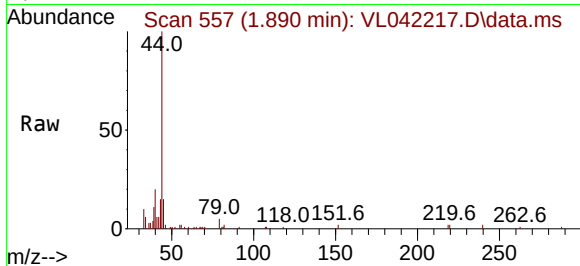




#19
Isopropyl Alcohol
Concen: 0.047 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042217.D
Acq: 04 Apr 2025 10:13

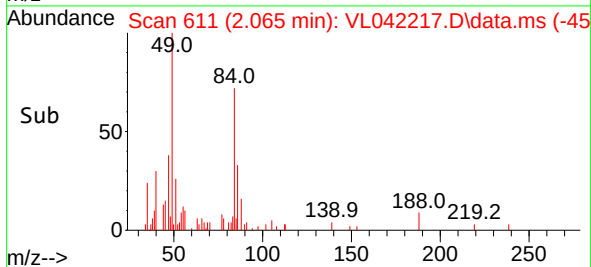
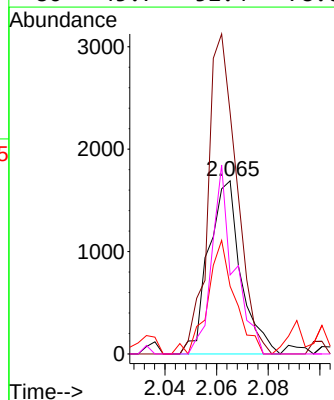
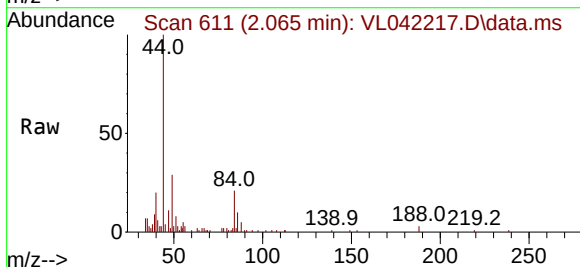
Instrument :
MSVOA_L
ClientSampleId :
QC040125 CAN 10258

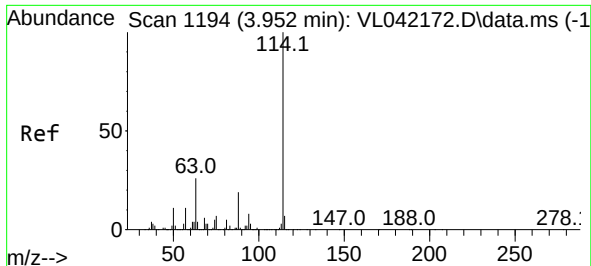
Tgt Ion: 45 Resp: 675
Ion Ratio Lower Upper
45 100
58 0.0 36.9 55.3#



#20
Methylene Chloride
Concen: 0.153 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042217.D
Acq: 04 Apr 2025 10:13

Tgt Ion: 84 Resp: 1464
Ion Ratio Lower Upper
84 100
49 139.4 120.2 180.4
51 35.1 37.4 56.0#
86 45.7 52.4 78.6#

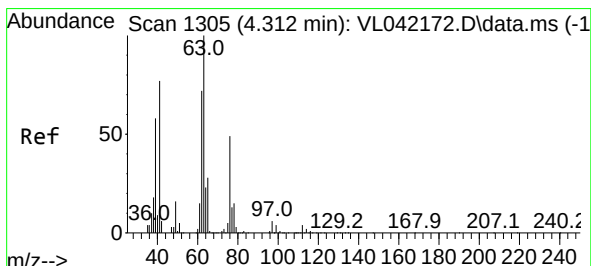
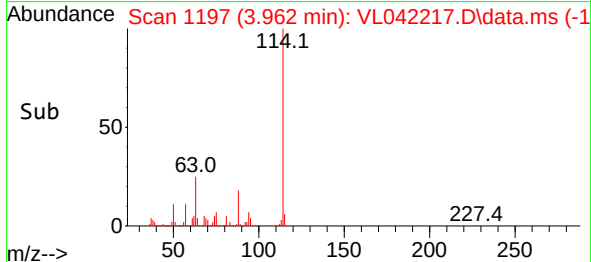
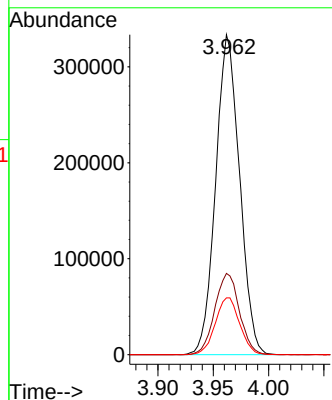
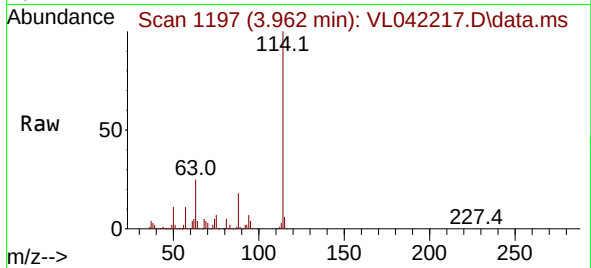




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. 0.010 min
 Lab File: VL042217.D
 Acq: 04 Apr 2025 10:13

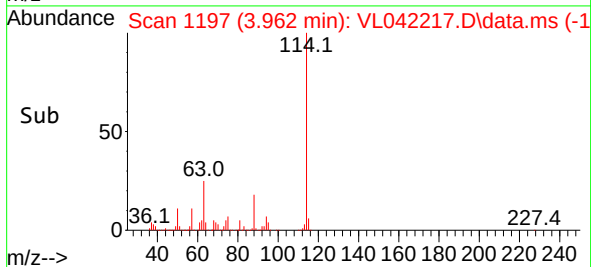
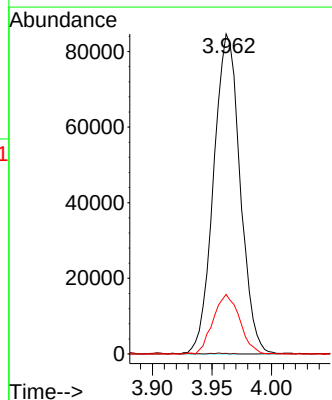
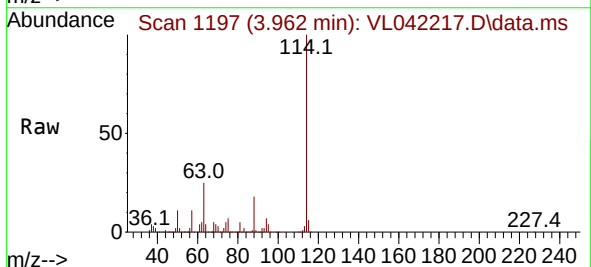
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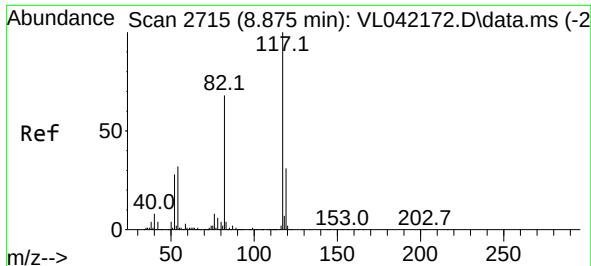
Tgt Ion:114 Resp: 501262
 Ion Ratio Lower Upper
 114 100
 63 26.2 20.7 31.1
 88 18.2 15.0 22.4



#39
 1,2-Dichloropropane
 Concen: 7.242 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. -0.350 min
 Lab File: VL042217.D
 Acq: 04 Apr 2025 10:13

Tgt Ion: 63 Resp: 131061
 Ion Ratio Lower Upper
 63 100
 41 0.2 61.7 92.5#
 62 18.6 57.6 86.4#

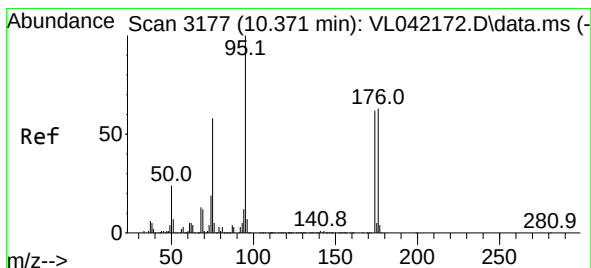
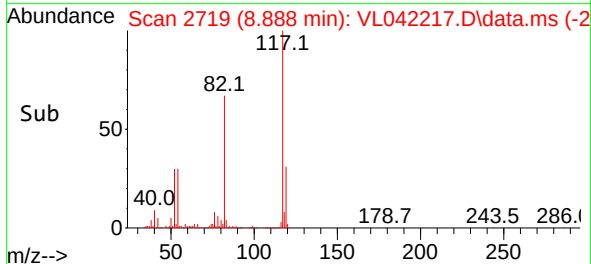
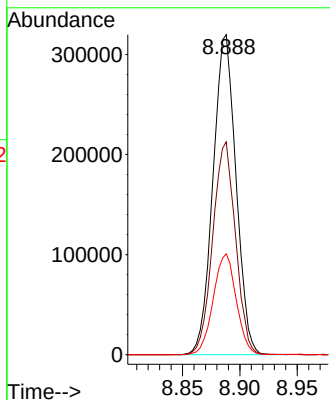
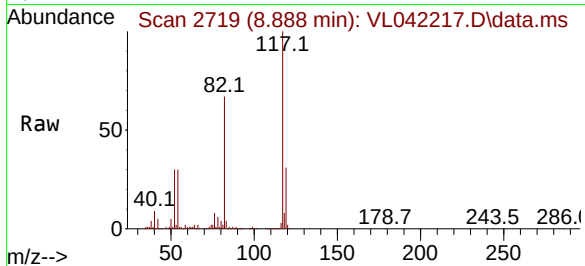




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042217.D
Acq: 04 Apr 2025 10:13

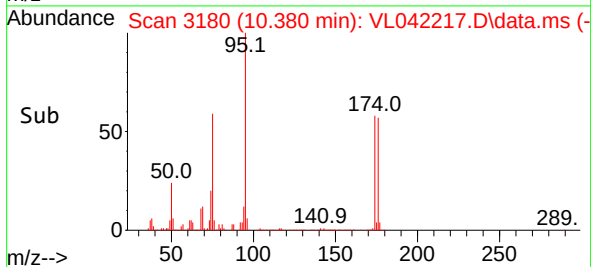
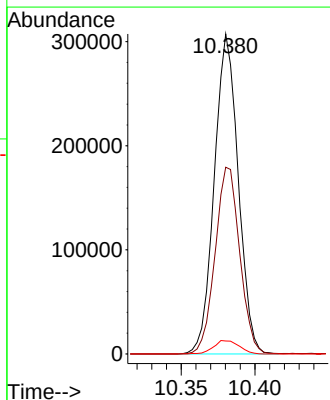
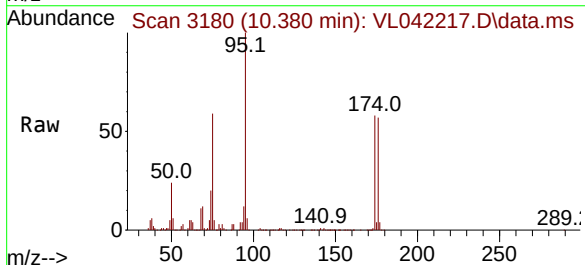
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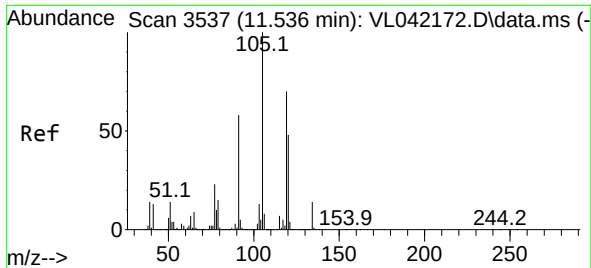
Tgt Ion:117 Resp: 446987
Ion Ratio Lower Upper
117 100
82 65.9 55.8 83.6
119 31.5 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.442 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.009 min
Lab File: VL042217.D
Acq: 04 Apr 2025 10:13

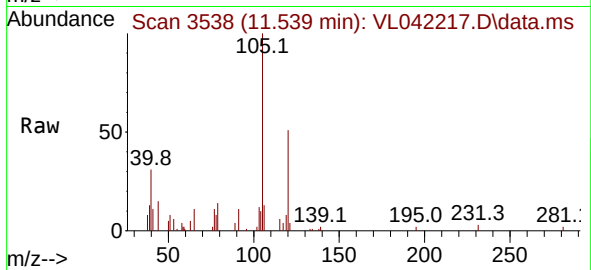
Tgt Ion: 95 Resp: 346584
Ion Ratio Lower Upper
95 100
174 60.2 50.6 76.0
175 4.5 3.8 5.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.058 ppbv
 RT: 11.539 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VL042217.D
 Acq: 04 Apr 2025 10:13

Instrument :
 MSVOA_L
 ClientSampleId :
 QC040125 CAN 10258



Tgt Ion:	105	Resp:	4604
Ion	Ratio	Lower	Upper
105	100		
120	50.8	38.6	58.0
91	11.3	46.2	69.2#
77	11.4	18.6	27.8#

