

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
 Data File : VL042315.D
 Acq On : 11 Apr 2025 12:08
 Operator : SY/MD
 Sample : QC041025CAN 10596
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC041025CAN 10596

Quant Time: Apr 11 22:58:40 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	174101	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	431750	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	360710	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	265594	8.966	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.700%

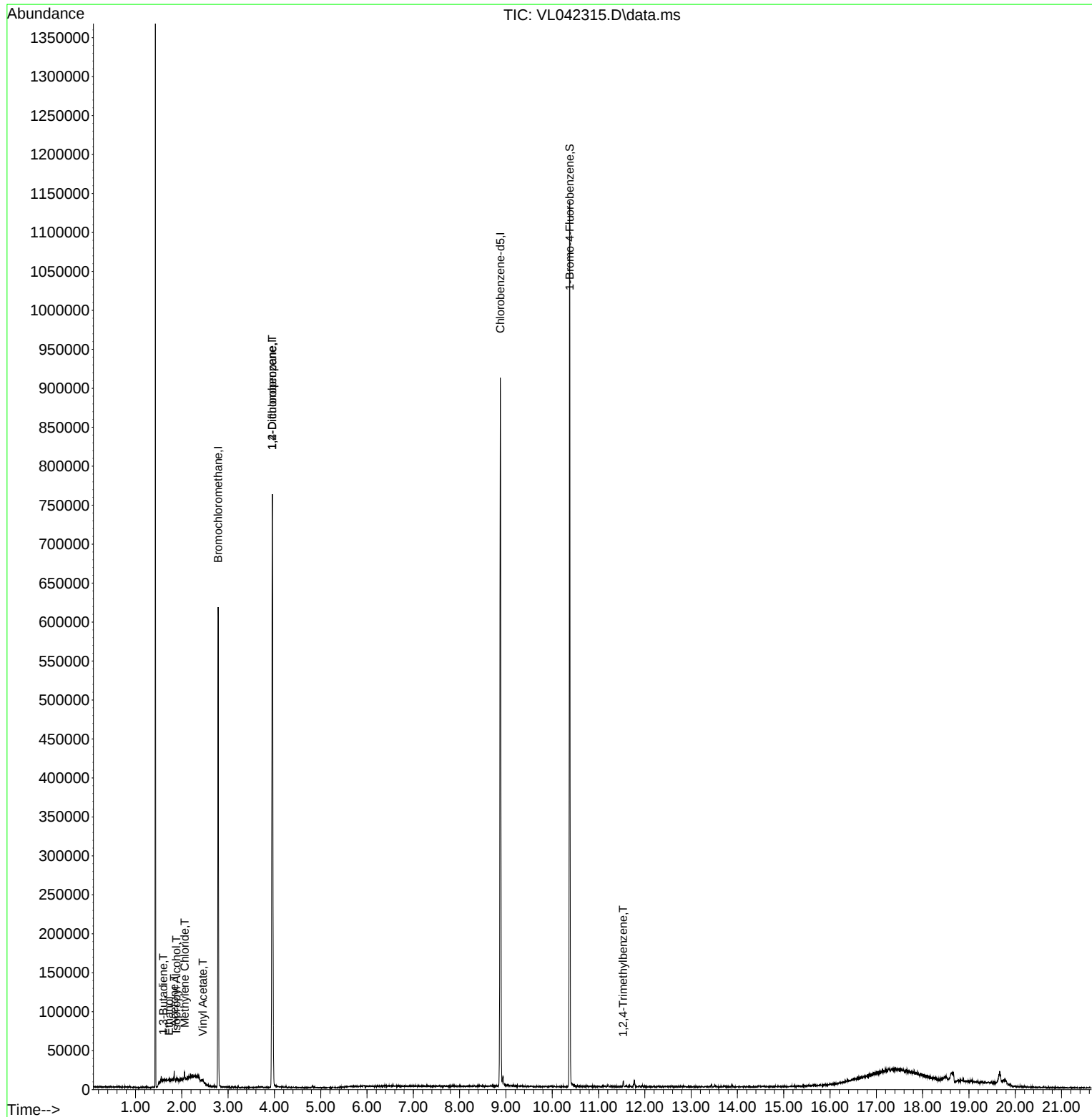
Target Compounds						Qvalue
13) Ethanol	1.722	45	179	0.157	ppbv #	27
15) Acetone	1.835	43	4737	0.195	ppbv #	86
16) 1,3-Butadiene	1.602	39	370	0.031	ppbv #	61
19) Isopropyl Alcohol	1.884	45	624	0.045	ppbv #	1
20) Methylene Chloride	2.062	84	1356	0.150	ppbv #	92
23) Vinyl Acetate	2.454	43	978	0.093	ppbv #	72
39) 1,2-Dichloropropane	3.955	63	110431	7.084	ppbv #	22
74) 1,2,4-Trimethylbenzene	11.532	105	2193	0.034	ppbv #	70

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042315.D
Acq On : 11 Apr 2025 12:08
Operator : SY/MD
Sample : QC041025CAN 10596
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC041025CAN 10596

Quant Time: Apr 11 22:58:40 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

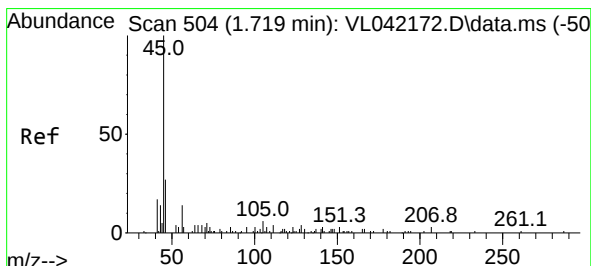
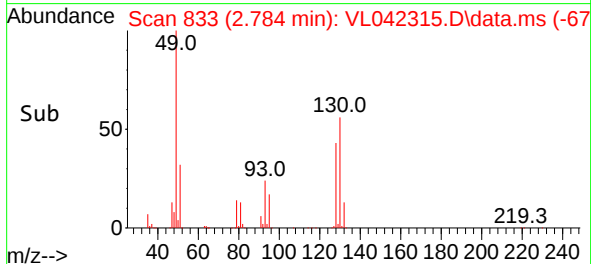
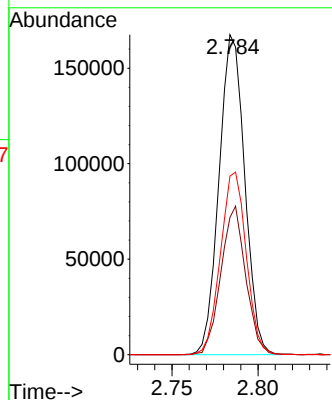
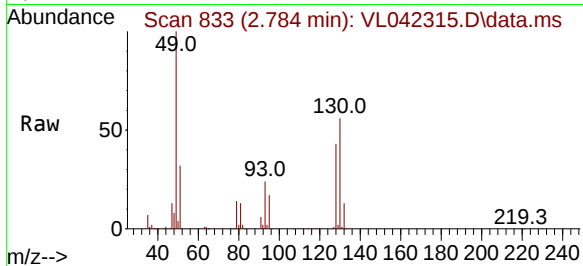




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042315.D
Acq: 11 Apr 2025 12:08

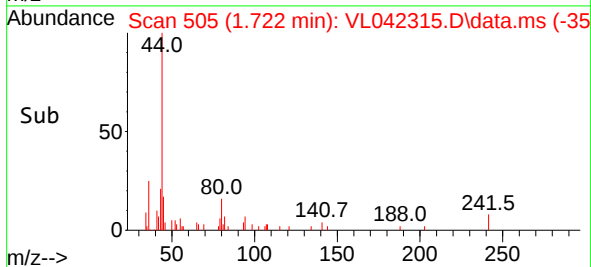
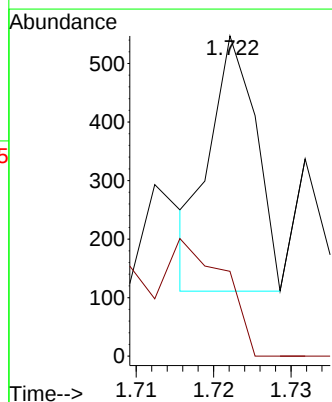
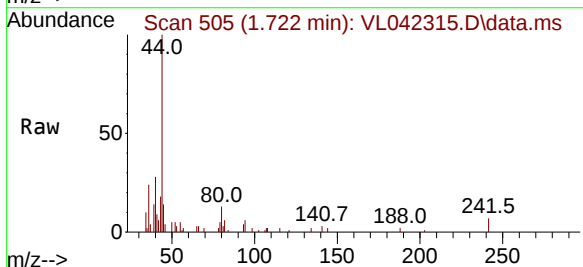
Instrument :
MSVOA_L
ClientSampleId :
QC041025CAN 10596

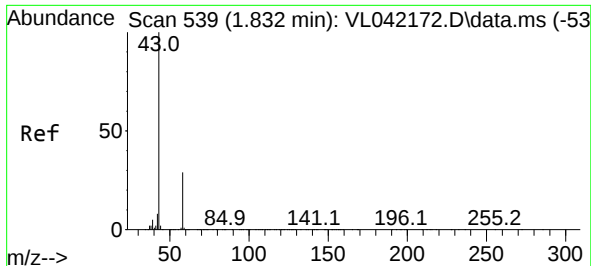
Tgt Ion: 49 Resp: 174101
Ion Ratio Lower Upper
49 100
128 44.9 22.9 68.5
130 57.4 28.8 86.4



#13
Ethanol
Concen: 0.157 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042315.D
Acq: 11 Apr 2025 12:08

Tgt Ion: 45 Resp: 179
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





#15

Acetone

Concen: 0.195 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042315.D

Acq: 11 Apr 2025 12:08

Instrument :

MSVOA_L

ClientSampleId :

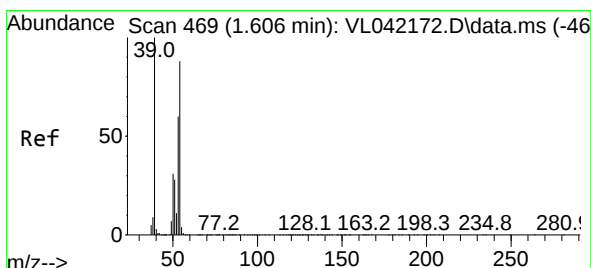
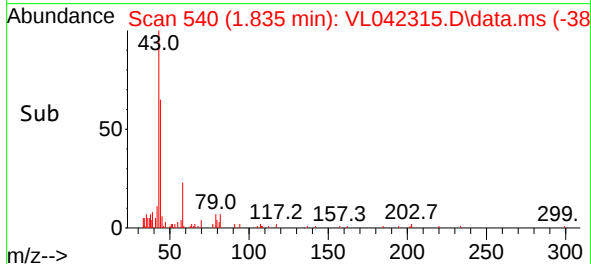
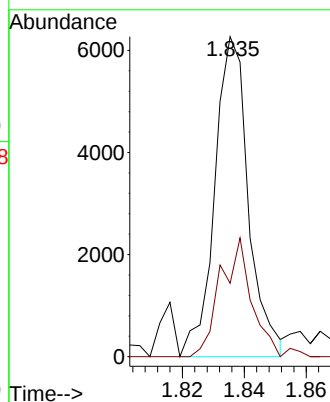
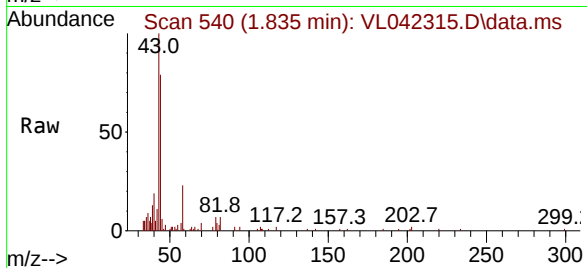
QC041025CAN 10596

Tgt Ion: 43 Resp: 4737

Ion Ratio Lower Upper

43 100

58 36.2 23.2 34.8#



#16

1,3-Butadiene

Concen: 0.031 ppbv

RT: 1.602 min Scan# 468

Delta R.T. -0.003 min

Lab File: VL042315.D

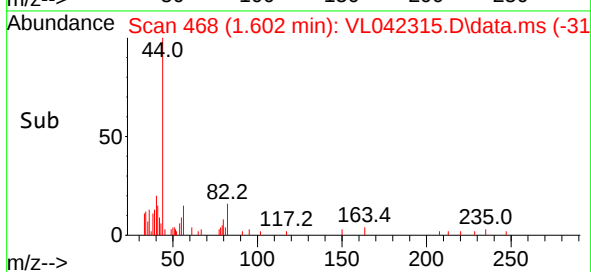
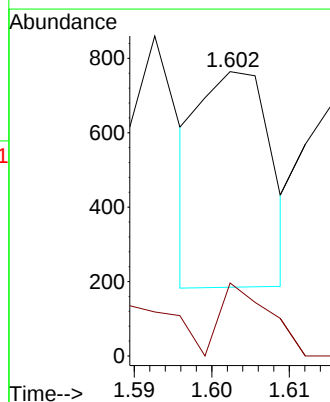
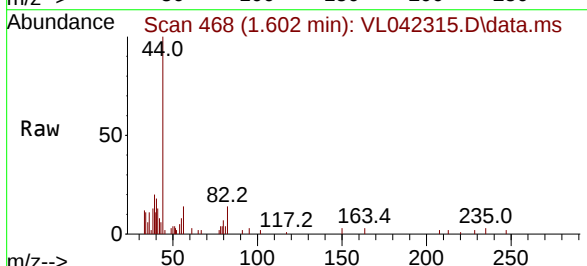
Acq: 11 Apr 2025 12:08

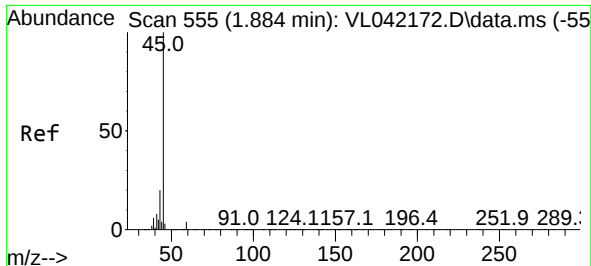
Tgt Ion: 39 Resp: 370

Ion Ratio Lower Upper

39 100

54 42.2 60.7 91.1#

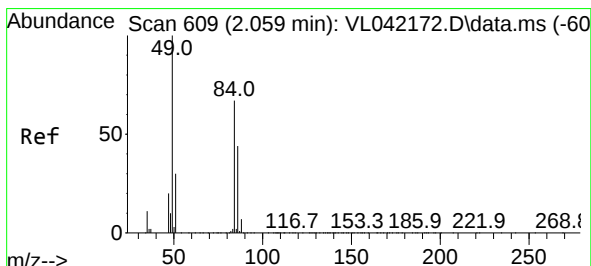
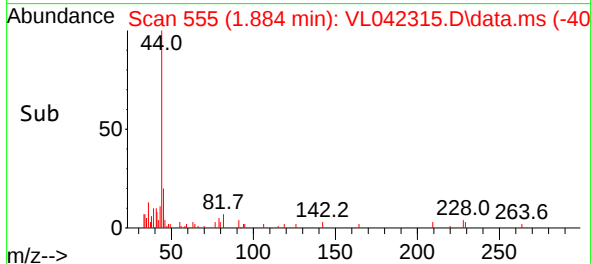
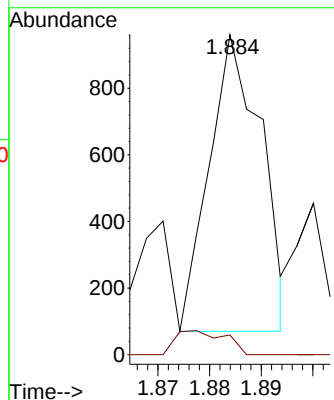
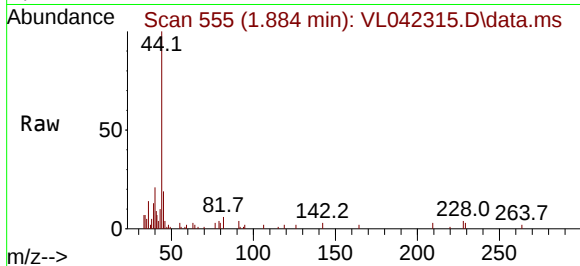




#19
Isopropyl Alcohol
Concen: 0.045 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042315.D
Acq: 11 Apr 2025 12:08

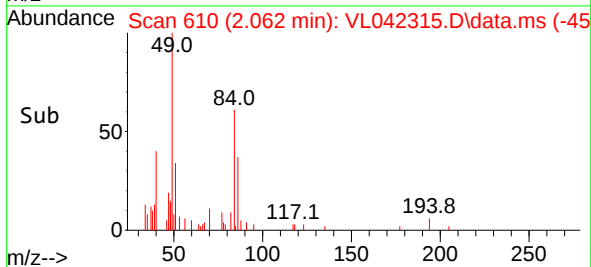
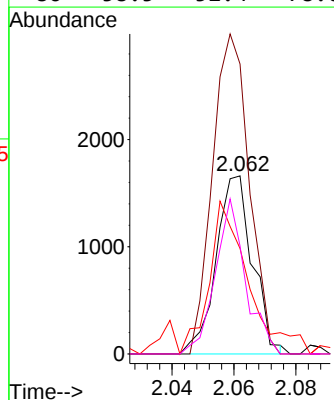
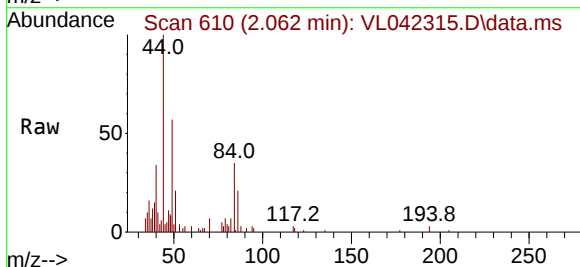
Instrument :
MSVOA_L
ClientSampleId :
QC041025CAN 10596

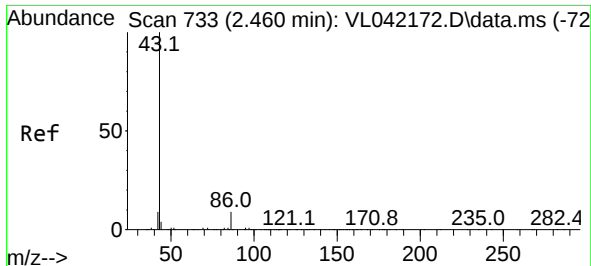
Tgt Ion: 45 Resp: 624
Ion Ratio Lower Upper
45 100
58 267.1 36.9 55.3#



#20
Methylene Chloride
Concen: 0.150 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042315.D
Acq: 11 Apr 2025 12:08

Tgt Ion: 84 Resp: 1356
Ion Ratio Lower Upper
84 100
49 157.1 120.2 180.4
51 57.1 37.4 56.0#
86 58.5 52.4 78.6

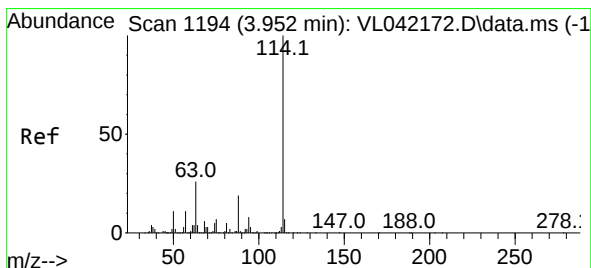
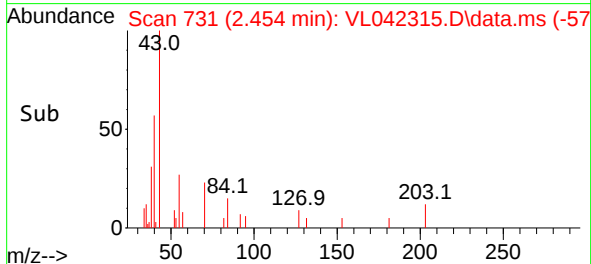
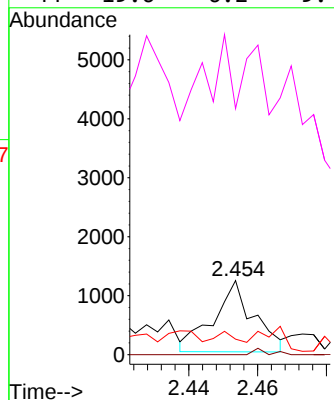
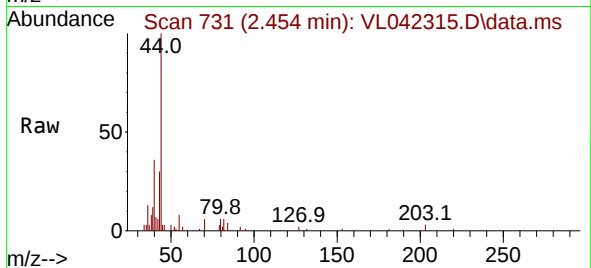




#23
 Vinyl Acetate
 Concen: 0.093 ppbv
 RT: 2.454 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: VL042315.D
 Acq: 11 Apr 2025 12:08

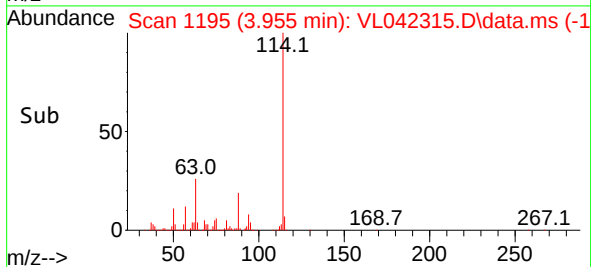
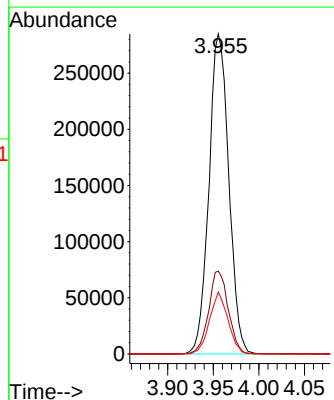
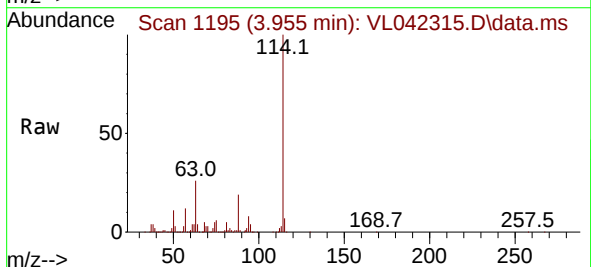
Instrument :
 MSVOA_1
 ClientSampleId :
 QC041025CAN 10596

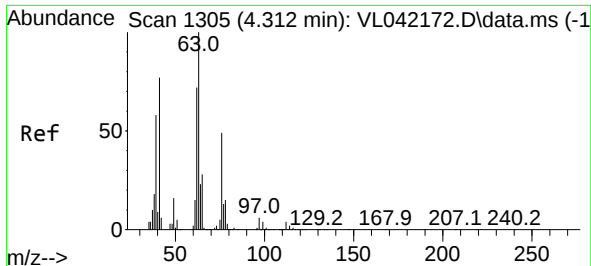
Tgt Ion: 43	Resp: 978
Ion Ratio	Lower Upper
43 100	
86 0.0	5.5 8.3#
42 0.0	8.6 13.0#
44 19.6	6.2 9.4#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.955 min Scan# 1195
 Delta R.T. 0.003 min
 Lab File: VL042315.D
 Acq: 11 Apr 2025 12:08

Tgt Ion:114	Resp:	431750	
Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.7	31.1
88	18.0	15.0	22.4





#39

1,2-Dichloropropane

Concen: 7.084 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.356 min

Lab File: VL042315.D

Acq: 11 Apr 2025 12:08

Instrument :

MSVOA_L

ClientSampleId :

QC041025CAN 10596

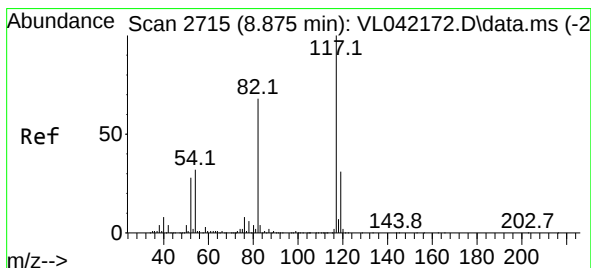
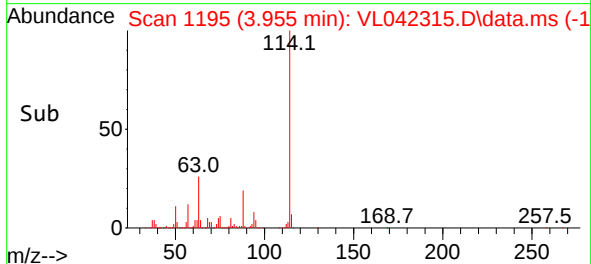
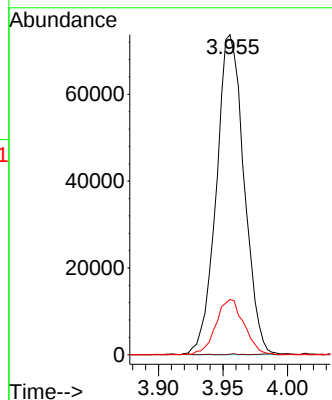
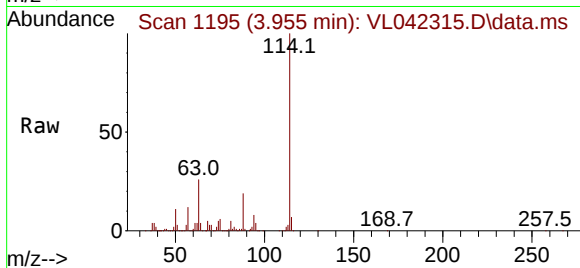
Tgt Ion: 63 Resp: 110431

Ion Ratio Lower Upper

63 100

41 0.2 61.7 92.5#

62 17.3 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2716

Delta R.T. 0.003 min

Lab File: VL042315.D

Acq: 11 Apr 2025 12:08

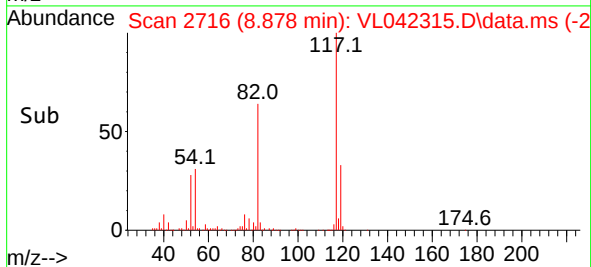
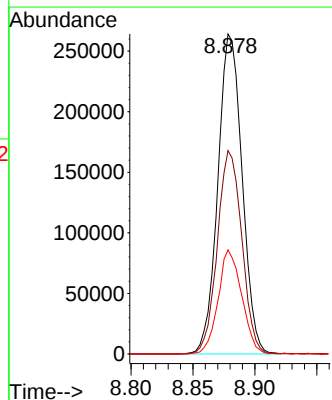
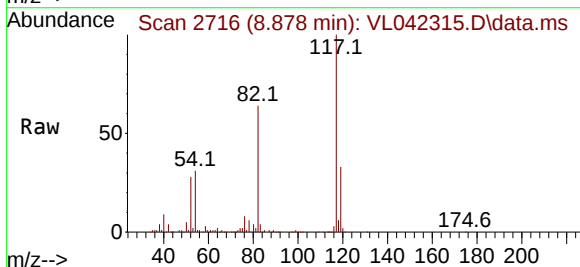
Tgt Ion: 117 Resp: 360710

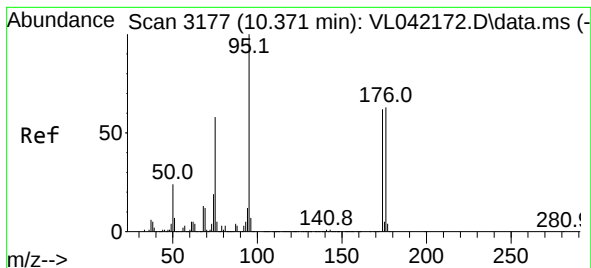
Ion Ratio Lower Upper

117 100

82 64.1 55.8 83.6

119 31.7 25.5 38.3

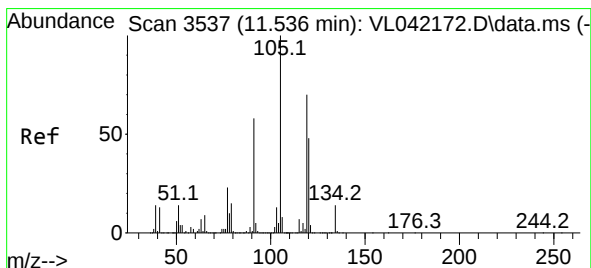
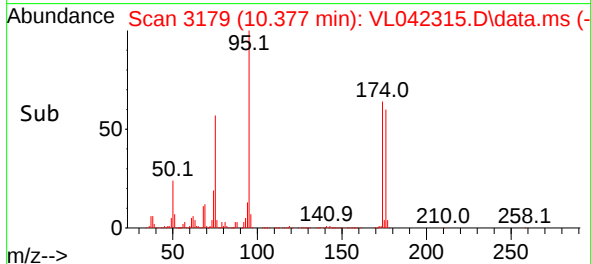
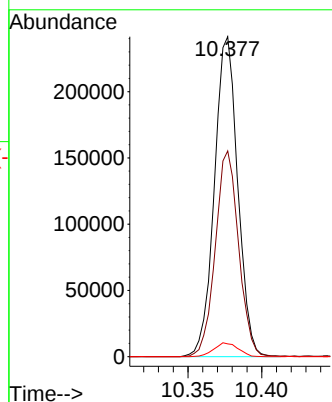
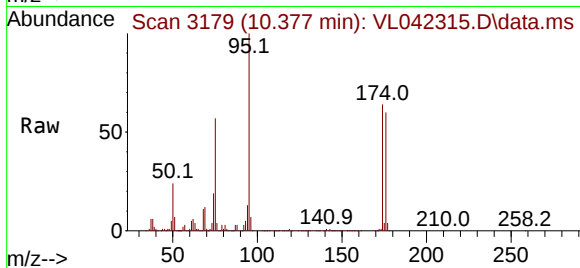




#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.966 ppbv
 RT: 10.377 min Scan# 3177
 Delta R.T. 0.006 min
 Lab File: VL042315.D
 Acq: 11 Apr 2025 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 QC041025CAN 10596

Tgt Ion: 95 Resp: 265594
 Ion Ratio Lower Upper
 95 100
 174 64.6 50.6 76.0
 175 4.5 3.8 5.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.034 ppbv
 RT: 11.532 min Scan# 3536
 Delta R.T. -0.003 min
 Lab File: VL042315.D
 Acq: 11 Apr 2025 12:08

Tgt Ion: 105 Resp: 2193
 Ion Ratio Lower Upper
 105 100
 120 43.2 38.6 58.0
 91 12.7 46.2 69.2#
 77 24.5 18.6 27.8

