

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062325\
 Data File : VL042668.D
 Acq On : 23 Jun 2025 13:08
 Operator : SY/MD
 Sample : Q2390-01DL DUP 200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL DUP

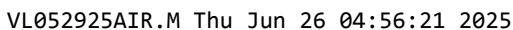
Quant Time: Jun 26 04:56:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

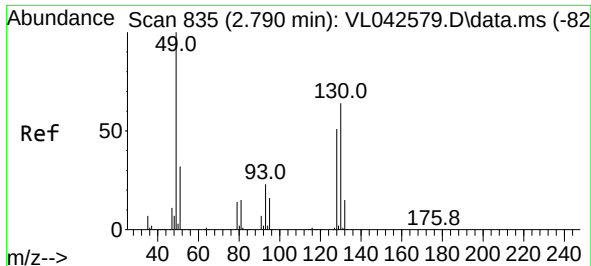
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.787	49	105933	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	267802	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	238220	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	179633	10.059	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.600%	
Target Compounds						
					Qvalue	
9) Propene	1.622	41	251	0.035	ppbv	93
13) Ethanol	1.431	45	85722	99.611	ppbv	100
15) Acetone	1.835	43	8518	0.668	ppbv	98
16) 1,3-Butadiene	1.602	39	264	0.044	ppbv #	13
19) Isopropyl Alcohol	1.431	45	85722	11.238	ppbv #	38
20) Methylene Chloride	2.062	84	1079	0.256	ppbv	85
25) Ethyl Acetate	2.832	43	1223	0.035	ppbv #	75
26) Hexane	2.826	57	2388	0.151	ppbv #	34
34) 2-Butanone	2.567	43	999	0.052	ppbv #	77
38) Trichloroethene	4.548	130	731	0.065	ppbv #	63
39) 1,2-Dichloropropane	3.959	63	68152	6.988	ppbv #	23
52) Tetrachloroethene	8.231	164	108653	11.026	ppbv	98

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

Quant Time: Jun 26 04:56:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

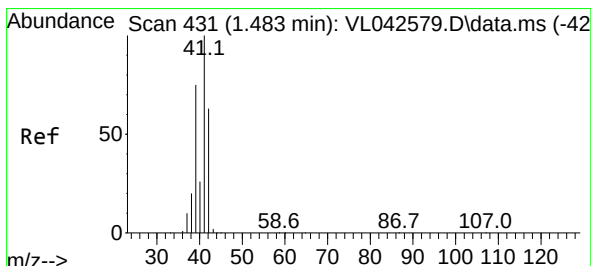
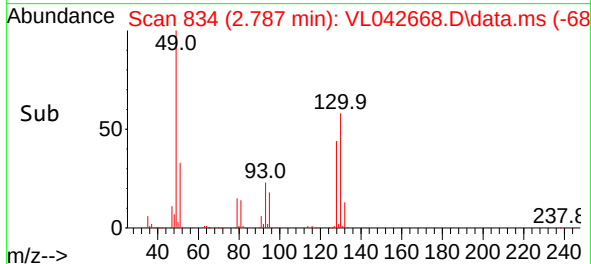
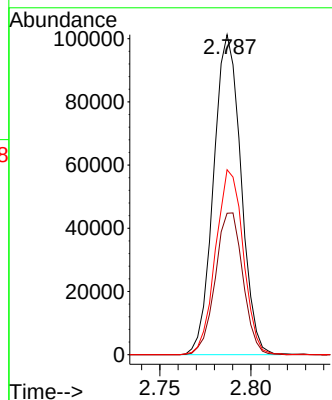
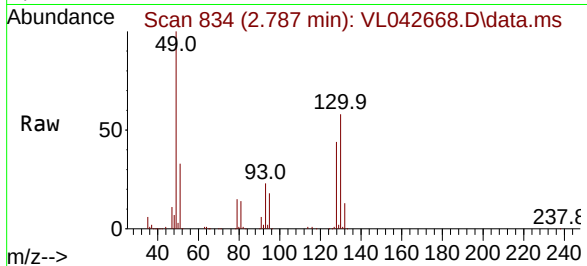




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042668.D
Acq: 23 Jun 2025 13:08

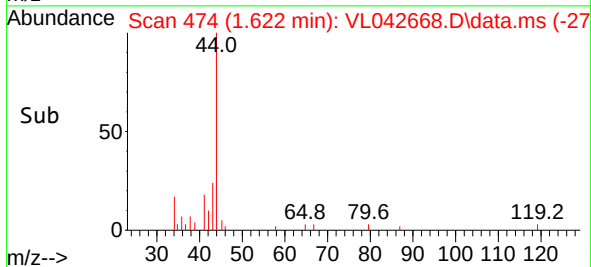
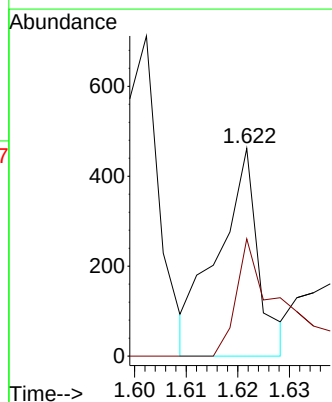
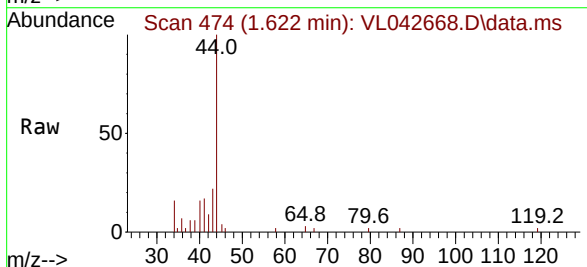
Instrument :
MSVOA_L
ClientSampleId :
SV1DL DUP

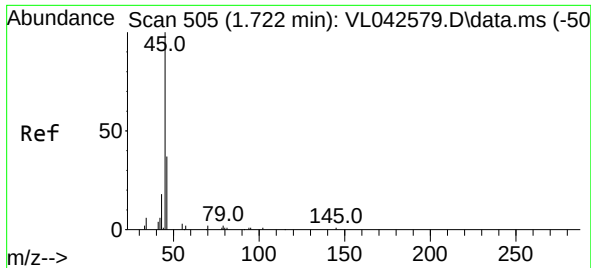
Tgt Ion: 49 Resp: 105933
Ion Ratio Lower Upper
49 100
128 44.6 24.2 72.6
130 58.3 30.4 91.2



#9
Propene
Concen: 0.035 ppbv
RT: 1.622 min Scan# 474
Delta R.T. 0.139 min
Lab File: VL042668.D
Acq: 23 Jun 2025 13:08

Tgt Ion: 41 Resp: 251
Ion Ratio Lower Upper
41 100
42 72.5 53.3 79.9





#13

Ethanol

Concen: 99.611 ppbv

RT: 1.431 min Scan# 415

Delta R.T. -0.291 min

Lab File: VL042668.D

Acq: 23 Jun 2025 13:08

Instrument :

MSVOA_L

ClientSampleId :

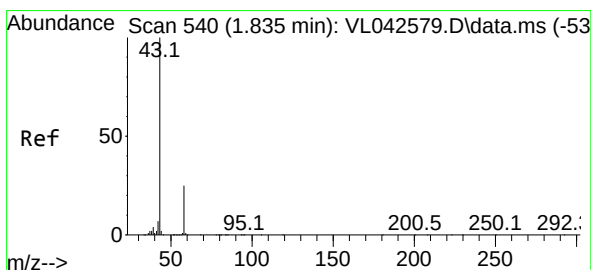
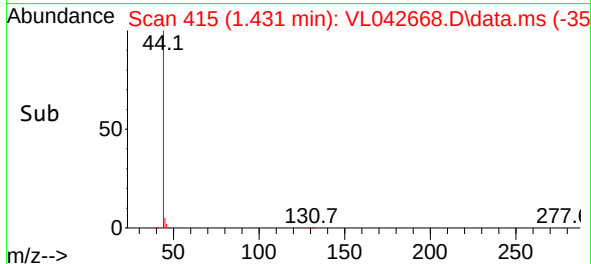
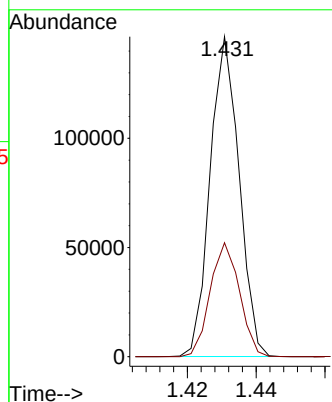
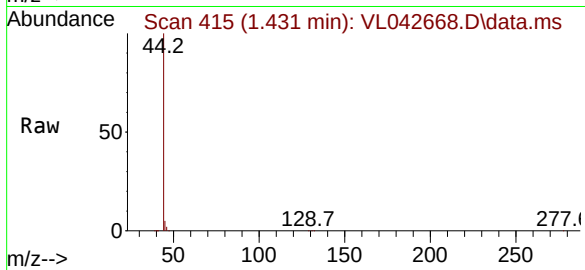
SV1DL DUP

Tgt Ion: 45 Resp: 85722

Ion Ratio Lower Upper

45 100

46 36.1 14.5 58.1



#15

Acetone

Concen: 0.668 ppbv

RT: 1.835 min Scan# 540

Delta R.T. -0.000 min

Lab File: VL042668.D

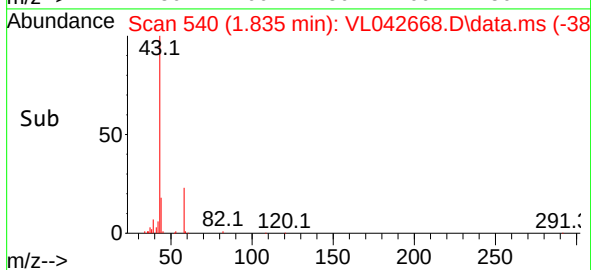
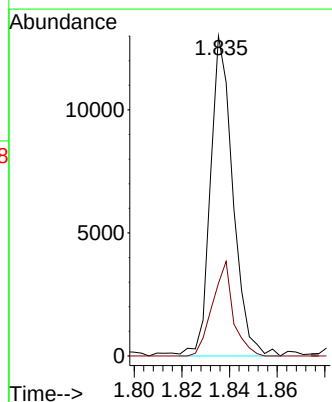
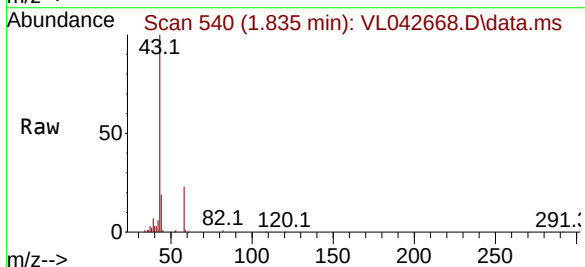
Acq: 23 Jun 2025 13:08

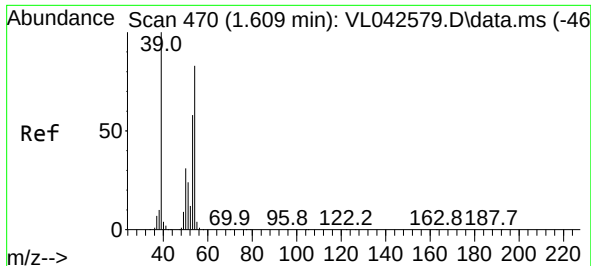
Tgt Ion: 43 Resp: 8518

Ion Ratio Lower Upper

43 100

58 27.3 21.0 31.4

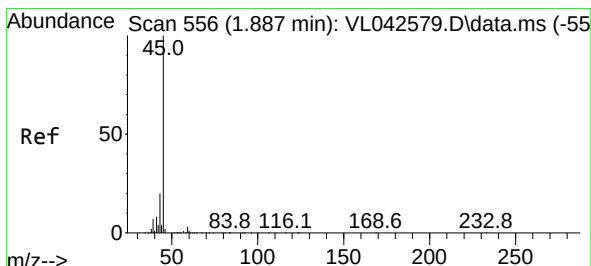
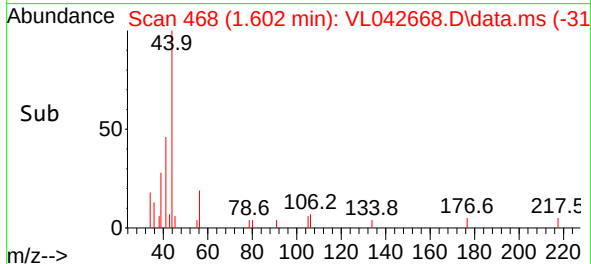
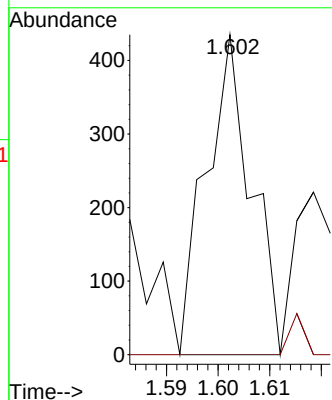
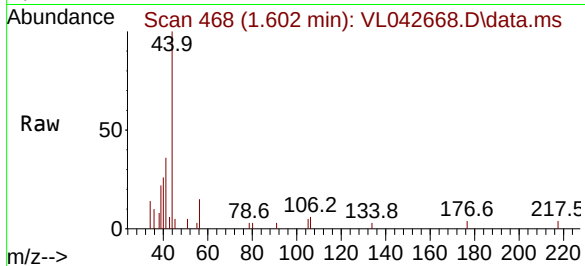




#16
1,3-Butadiene
Concen: 0.044 ppbv
RT: 1.602 min Scan# 415
Delta R.T. -0.007 min
Lab File: VL042668.D
Acq: 23 Jun 2025 13:08

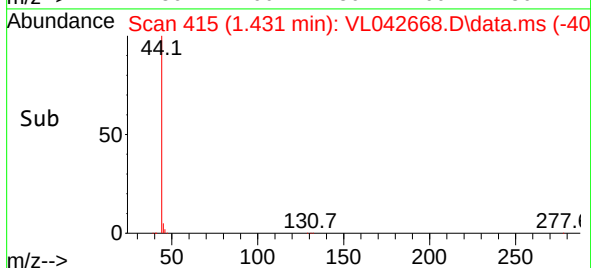
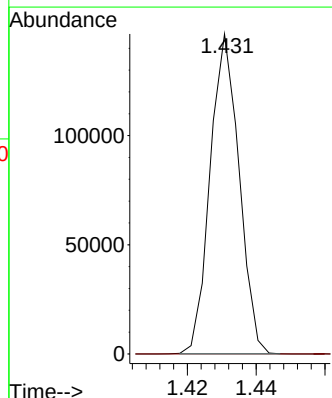
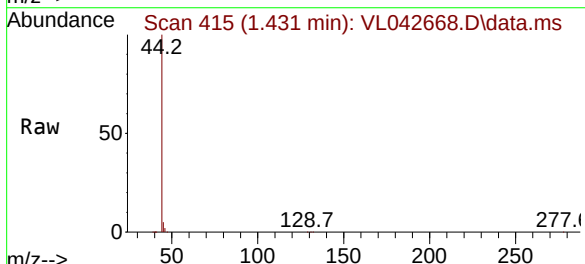
Instrument :
MSVOA_L
ClientSampleId :
SV1DLDP

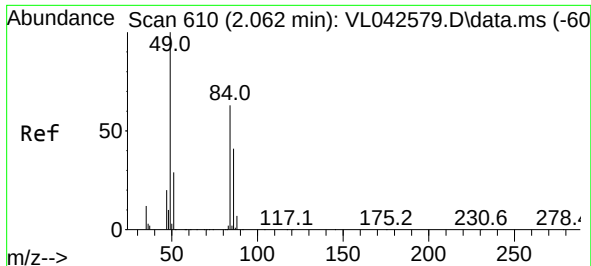
Tgt Ion: 39 Resp: 264
Ion Ratio Lower Upper
39 100
54 0.0 57.9 86.9#



#19
Isopropyl Alcohol
Concen: 11.238 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.456 min
Lab File: VL042668.D
Acq: 23 Jun 2025 13:08

Tgt Ion: 45 Resp: 85722
Ion Ratio Lower Upper
45 100
58 0.0 29.4 44.2#

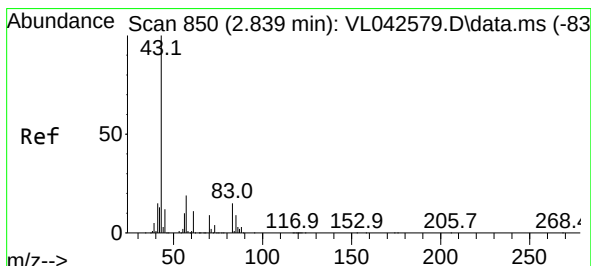
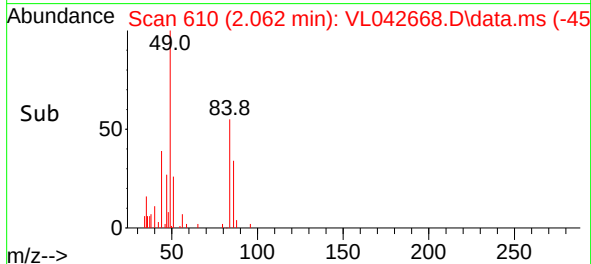
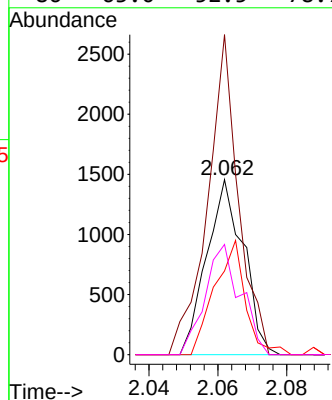
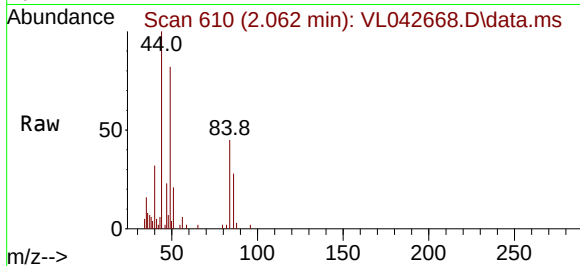




#20
Methylene Chloride
Concen: 0.256 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042668.D
Acq: 23 Jun 2025 13:08

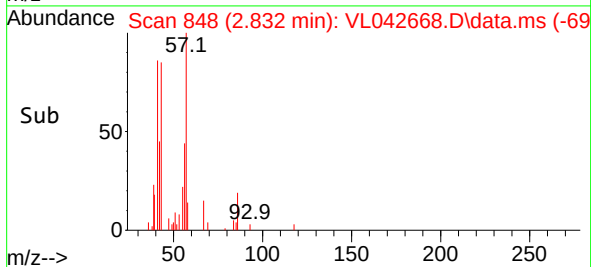
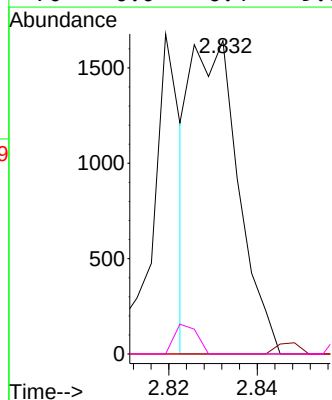
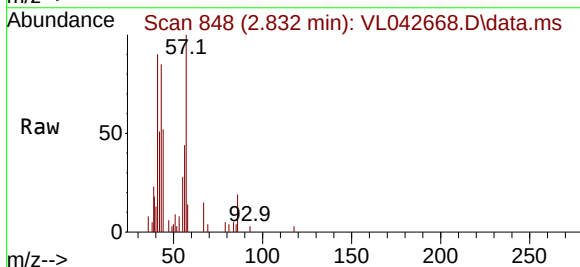
Instrument :
MSVOA_L
ClientSampleId :
SV1DLDUP

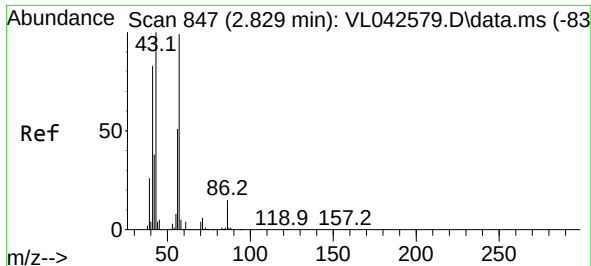
Tgt Ion: 84	Resp: 1079
Ion Ratio	Lower Upper
84 100	
49 192.2	128.8 193.2
51 47.8	38.6 57.8
86 63.0	52.5 78.7



#25
Ethyl Acetate
Concen: 0.035 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.007 min
Lab File: VL042668.D
Acq: 23 Jun 2025 13:08

Tgt	Ion: 43	Resp:	1223
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.2#
61	0.0	7.1	10.7#
70	0.0	6.4	9.6#

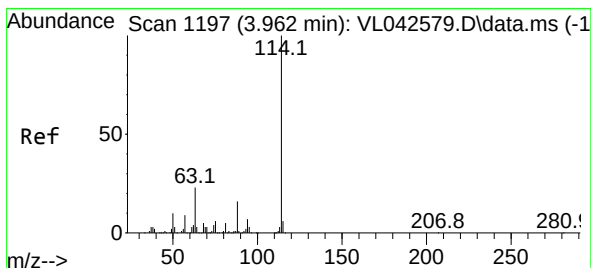
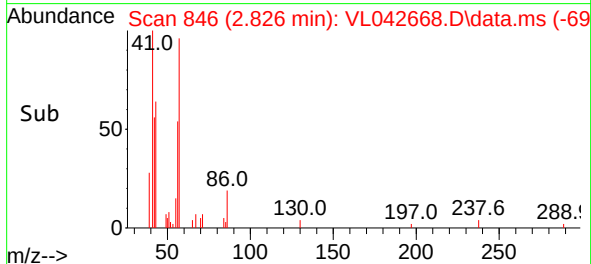
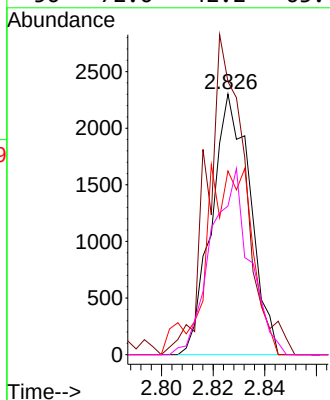
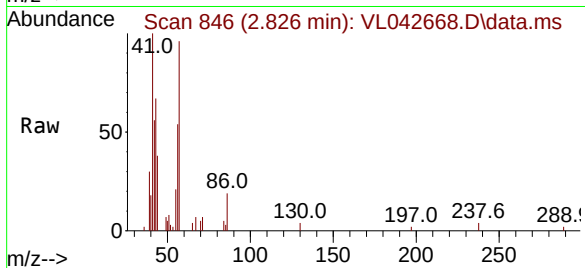




#26
Hexane
Concen: 0.151 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042668.D
Acq: 23 Jun 2025 13:08

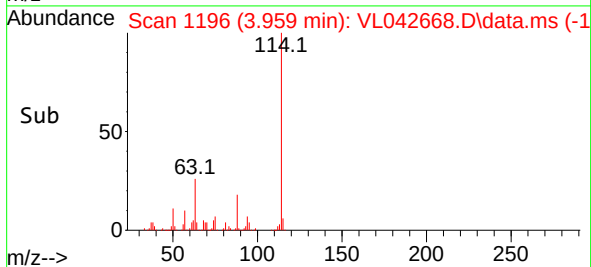
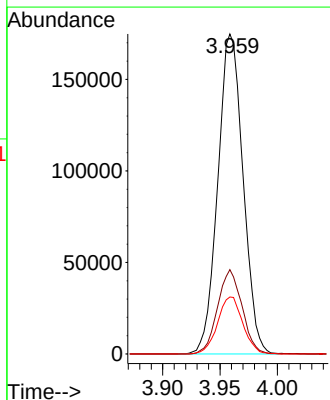
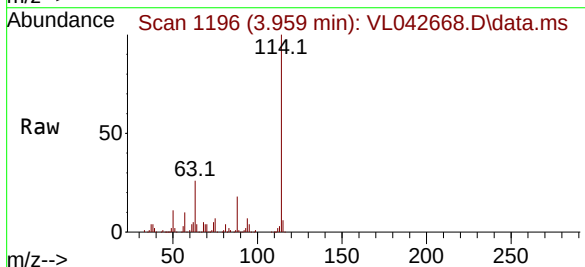
Instrument :
MSVOA_L
ClientSampleId :
SV1DLDUP

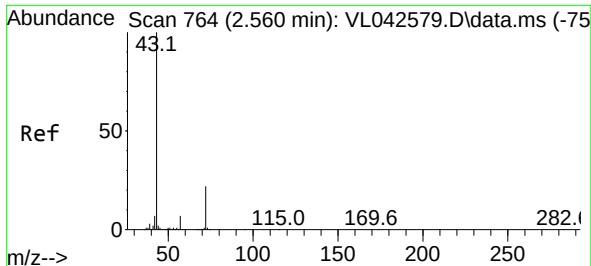
Tgt Ion: 57	Resp: 2388
Ion Ratio	Lower Upper
57 100	
41 125.5	70.6 106.0#
43 86.6	181.1 271.7#
56 72.6	42.2 63.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL042668.D
Acq: 23 Jun 2025 13:08

Tgt Ion:114	Resp: 267802
Ion Ratio	Lower Upper
114 100	
63 25.5	19.0 28.6
88 17.8	13.6 20.4

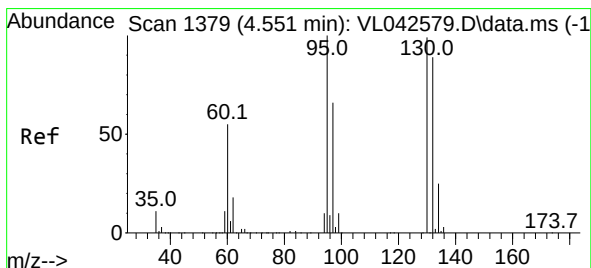
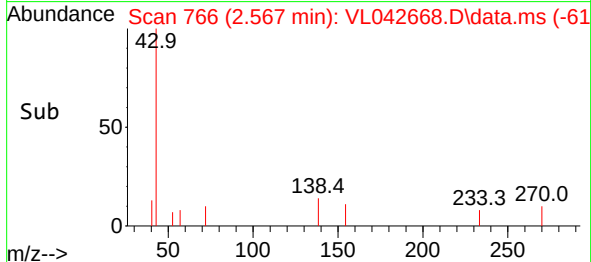
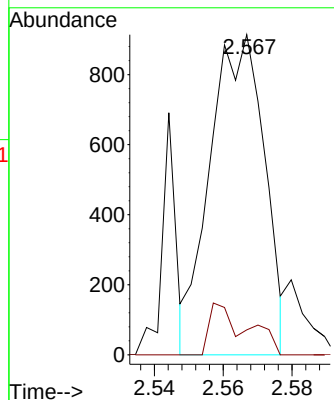
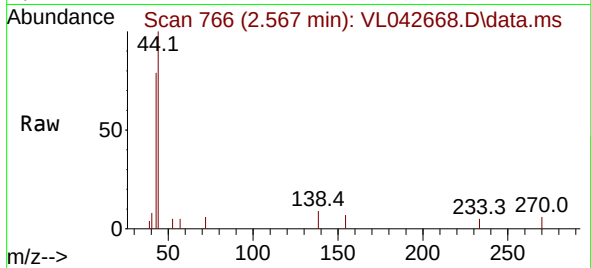




#34
2-Butanone
Concen: 0.052 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.006 min
Lab File: VL042668.D
Acq: 23 Jun 2025 13:08

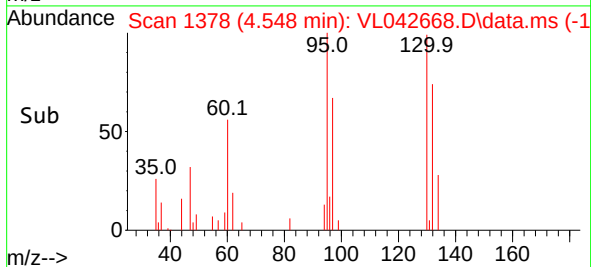
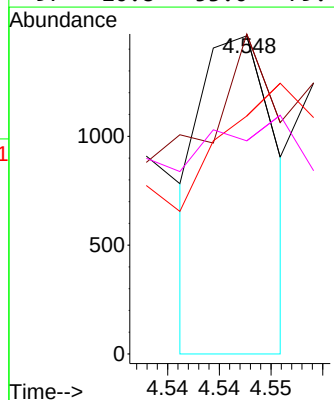
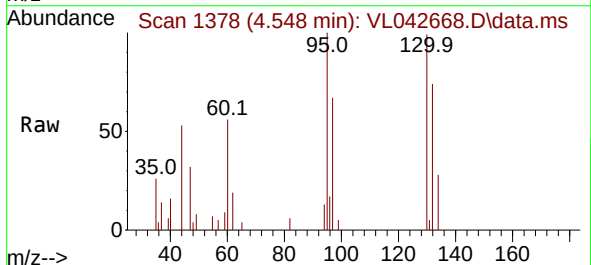
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MSVOA_1
ClientSampleId :
SV1DLDP

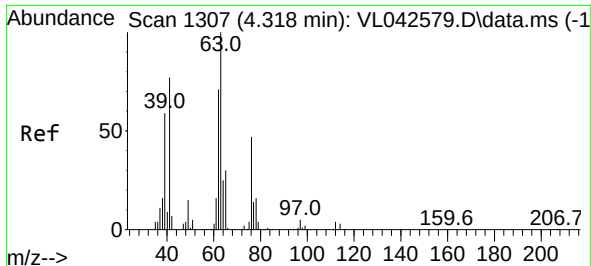
Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
72 10.9 17.7 26.5#



#38
Trichloroethene
Concen: 0.065 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL042668.D
Acq: 23 Jun 2025 13:08

Tgt Ion:130 Resp: 731
Ion Ratio Lower Upper
130 100
95 68.2 80.6 121.0#
132 64.5 71.8 107.6#
97 20.8 53.0 79.4#





#39

1,2-Dichloropropane

Concen: 6.988 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.359 min

Lab File: VL042668.D

Acq: 23 Jun 2025 13:08

Instrument :

MSVOA_L

ClientSampleId :

SV1DLDP

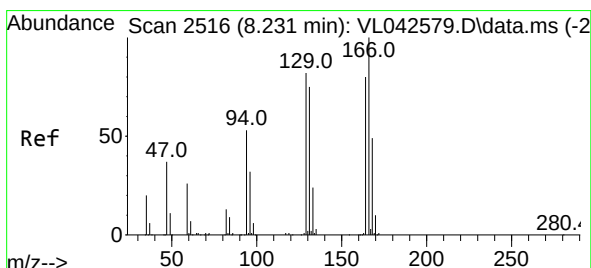
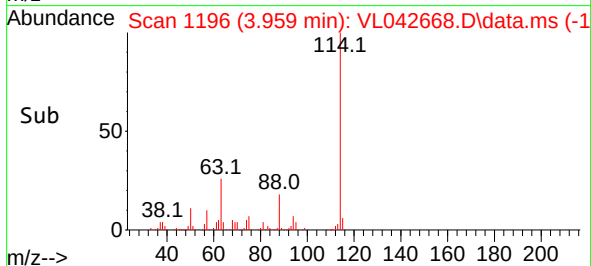
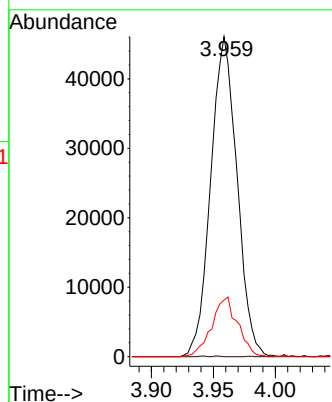
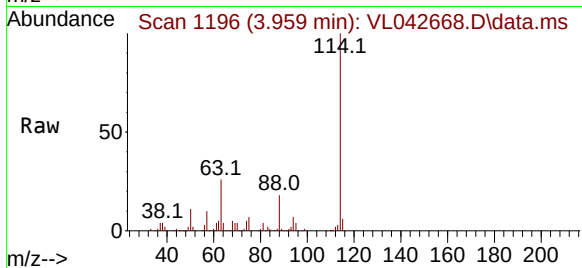
Tgt Ion: 63 Resp: 68152

Ion Ratio Lower Upper

63 100

41 0.0 61.8 92.6#

62 17.7 56.6 85.0#



#52

Tetrachloroethene

Concen: 11.026 ppbv

RT: 8.231 min Scan# 2516

Delta R.T. -0.000 min

Lab File: VL042668.D

Acq: 23 Jun 2025 13:08

Tgt Ion: 164 Resp: 108653

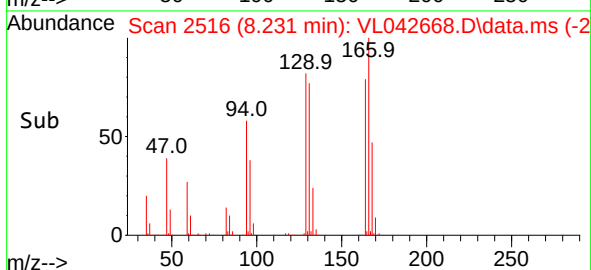
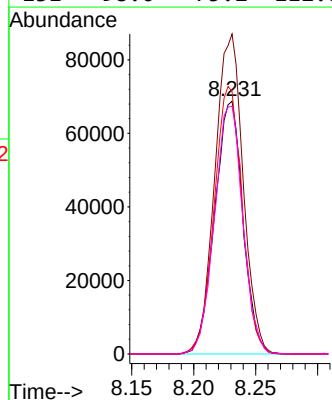
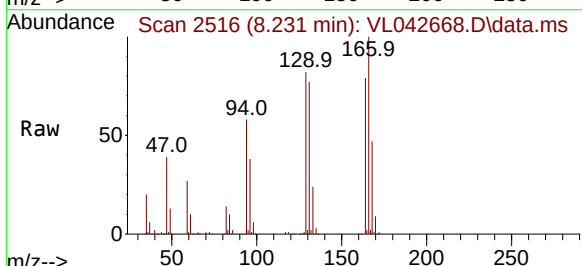
Ion Ratio Lower Upper

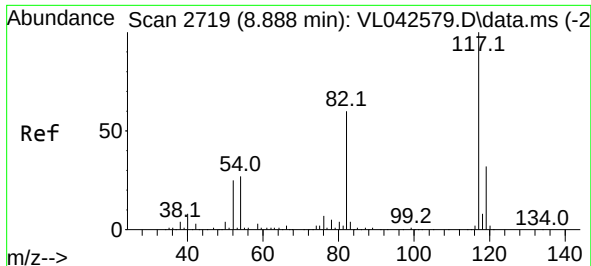
164 100

166 126.5 100.0 150.0

129 103.9 82.2 123.4

131 98.0 75.2 112.8

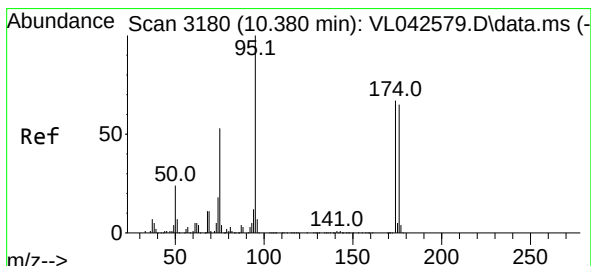
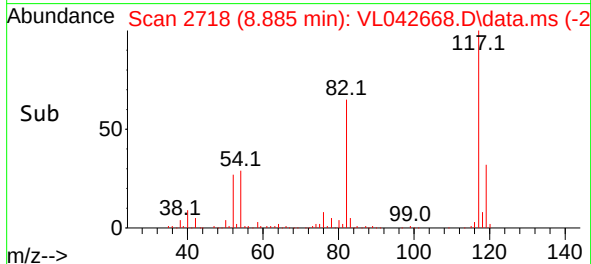
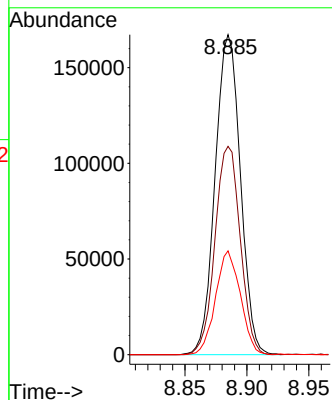
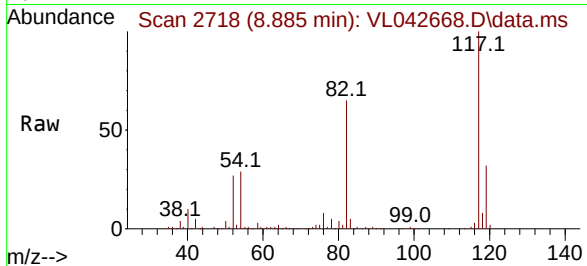




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042668.D
Acq: 23 Jun 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
SV1DLDUP

Tgt Ion:117 Resp: 238220
Ion Ratio Lower Upper
117 100
82 65.1 51.2 76.8
119 31.9 26.3 39.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.059 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL042668.D
Acq: 23 Jun 2025 13:08

Tgt Ion: 95 Resp: 179633
Ion Ratio Lower Upper
95 100
174 63.5 53.1 79.7
175 4.4 4.2 6.2

