

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042590.D
 Acq On : 29 May 2025 17:55
 Operator : SY/MD
 Sample : Q2124-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: May 30 02:11:12 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)

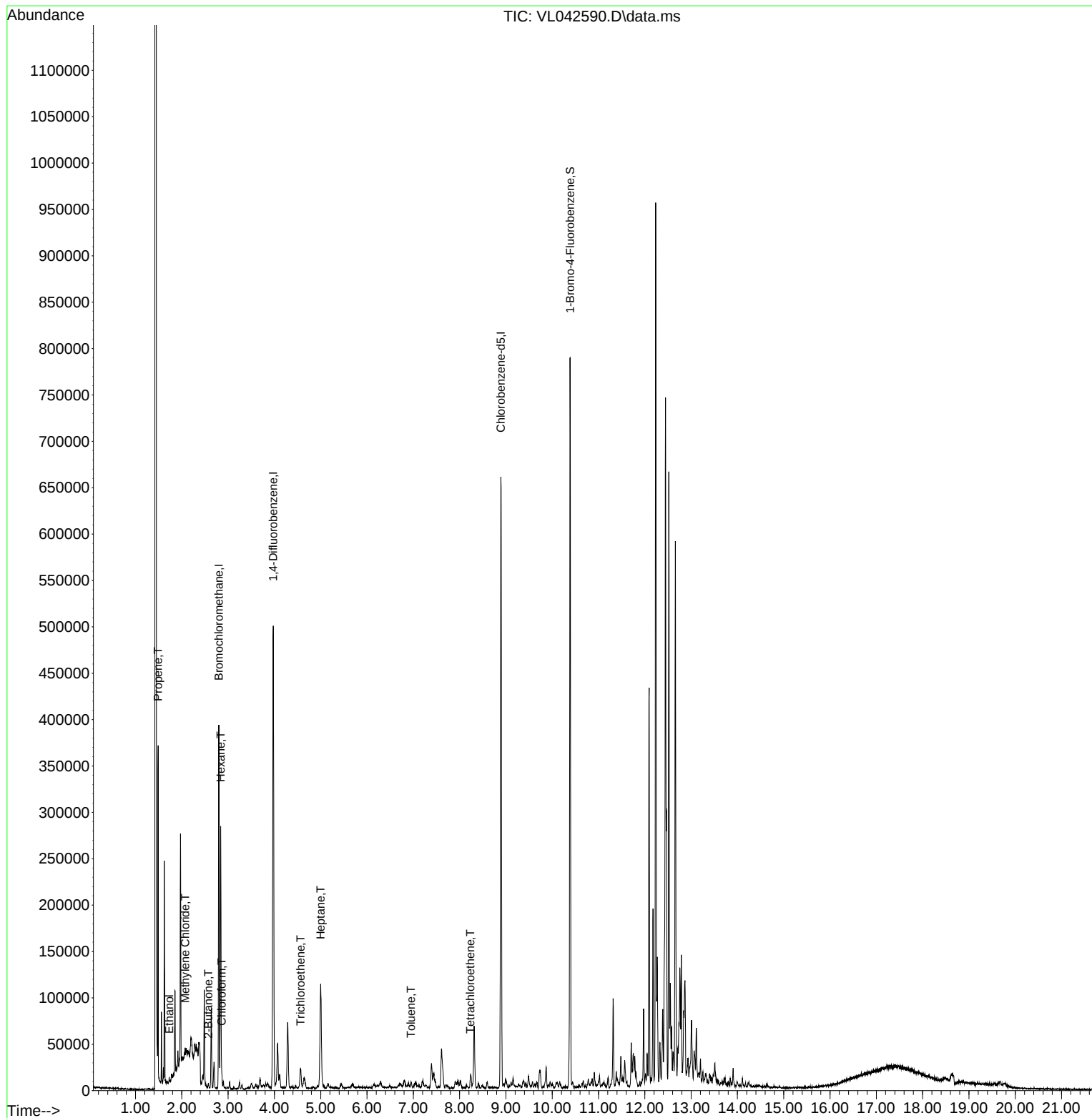
Internal Standards							
1) Bromochloromethane		2.800	49	109658	10.000	ppbv	0.01
33) 1,4-Difluorobenzene		3.975	114	314559	10.000	ppbv	0.01
55) Chlorobenzene-d5		8.891	117	278591	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.387	95	209427	10.028	ppbv	0.00
Spiked Amount		10.000	Range 65 - 135		Recovery	= 100.300%	
Target Compounds							
							Qvalue
9) Propene		1.489	41	25753	3.445	ppbv	# 67
10) Heptane		4.998	43	52482	2.491	ppbv	98
13) Ethanol		1.729	45	2004m	2.250	ppbv	
20) Methylene Chloride		2.072	84	1221	0.280	ppbv	94
26) Hexane		2.839	57	72379	4.407	ppbv	# 41
29) Chloroform		2.862	83	5962	0.279	ppbv	100
34) 2-Butanone		2.573	43	3661	0.163	ppbv	98
38) Trichloroethene		4.564	130	1476m	0.112	ppbv	
52) Tetrachloroethene		8.231	164	1823m	0.157	ppbv	
53) Toluene		6.949	91	4045m	0.113	ppbv	

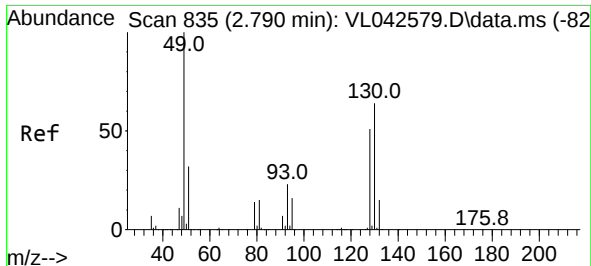
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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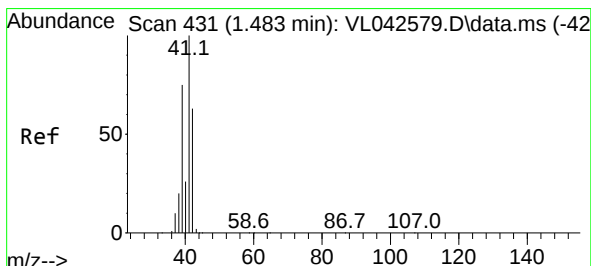
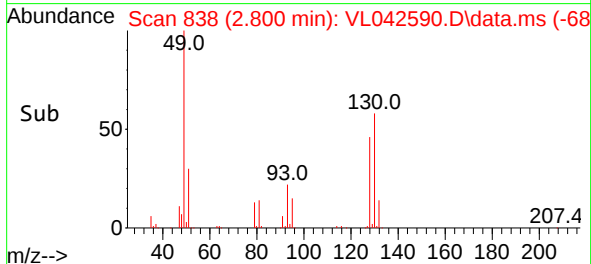
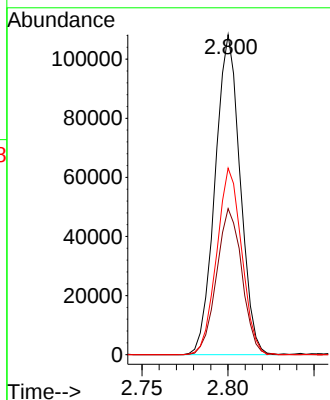
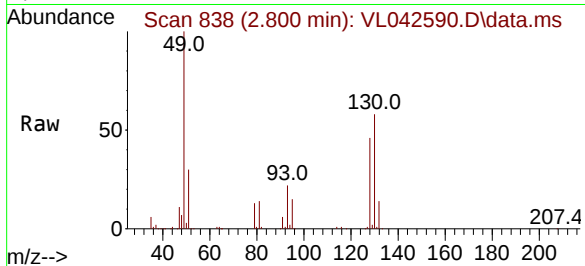




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042590.D
Acq: 29 May 2025 17:55

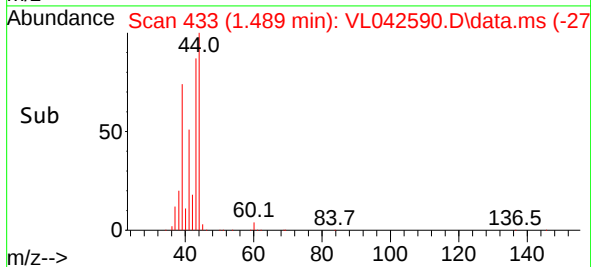
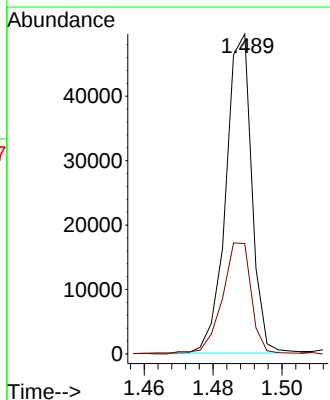
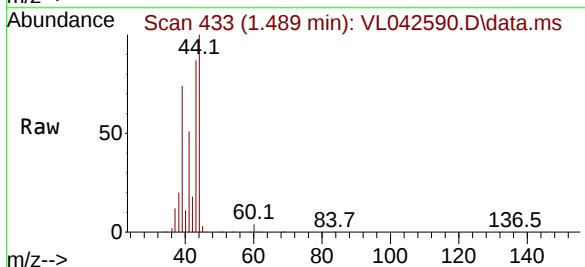
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

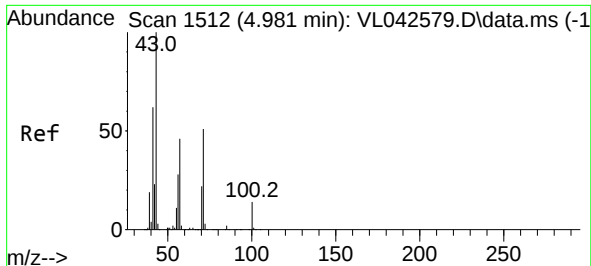
Tgt Ion: 49 Resp: 109658
Ion Ratio Lower Upper
49 100
128 46.1 24.2 72.6
130 58.2 30.4 91.2



#9
Propene
Concen: 3.445 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042590.D
Acq: 29 May 2025 17:55

Tgt Ion: 41 Resp: 25753
Ion Ratio Lower Upper
41 100
42 40.4 53.3 79.9#

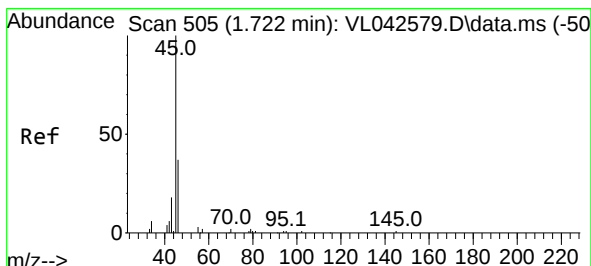
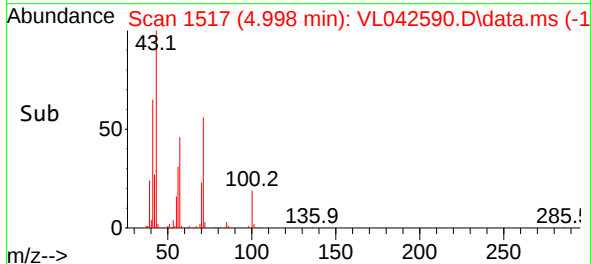
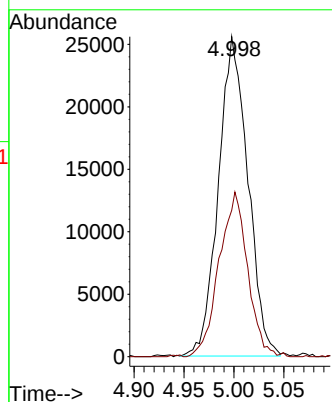
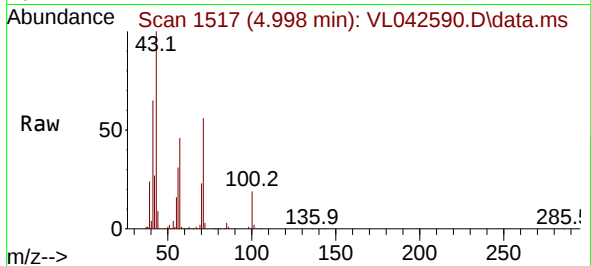




#10
Heptane
Concen: 2.491 ppbv
RT: 4.998 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL042590.D
Acq: 29 May 2025 17:55

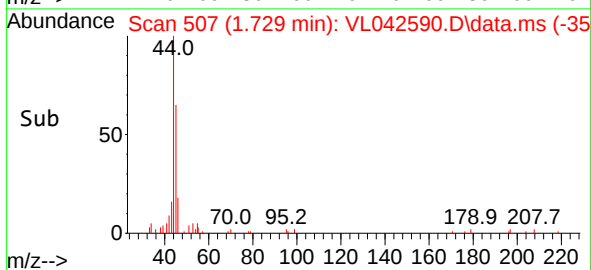
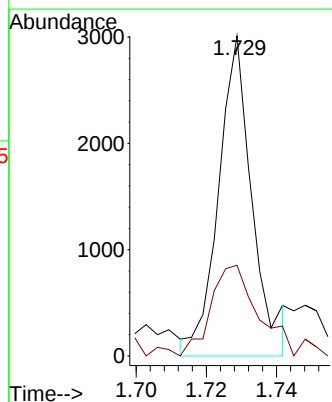
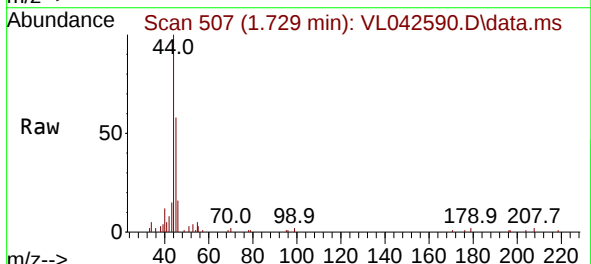
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

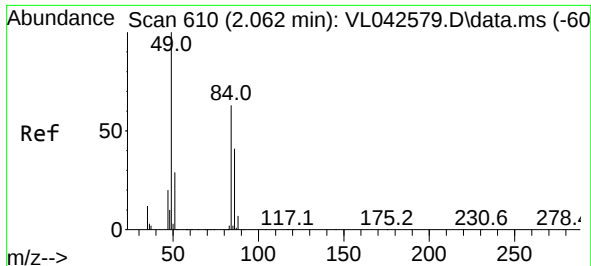
Tgt Ion: 43 Resp: 52482
Ion Ratio Lower Upper
43 100
57 50.0 38.9 58.3



#13
Ethanol
Concen: 2.250 ppbv m
RT: 1.729 min Scan# 507
Delta R.T. 0.007 min
Lab File: VL042590.D
Acq: 29 May 2025 17:55

Tgt Ion: 45 Resp: 2004
Ion Ratio Lower Upper
45 100
46 11595.6 14.5 58.1#

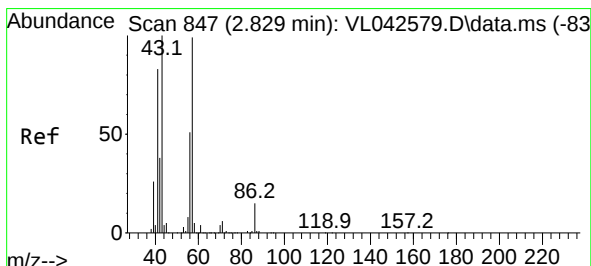
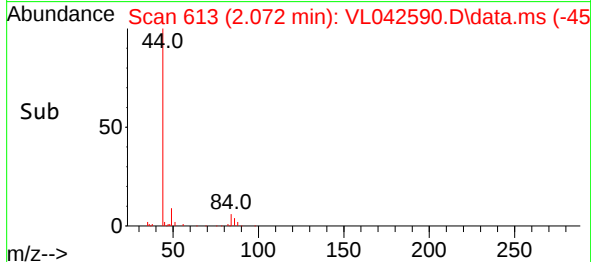
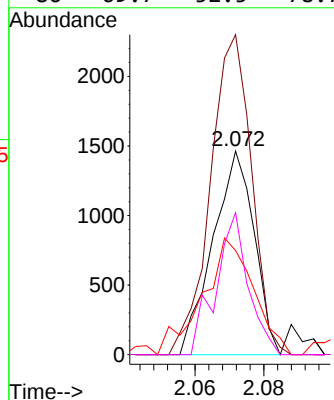
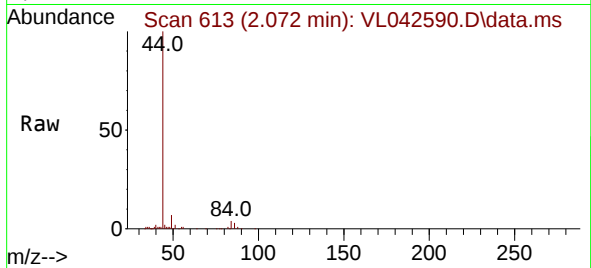




#20
Methylene Chloride
Concen: 0.280 ppbv
RT: 2.072 min Scan# 610
Delta R.T. 0.010 min
Lab File: VL042590.D
Acq: 29 May 2025 17:55

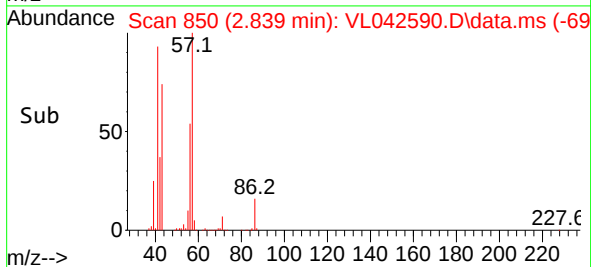
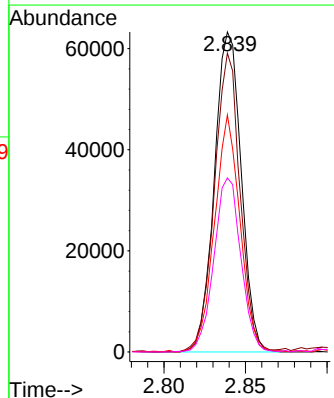
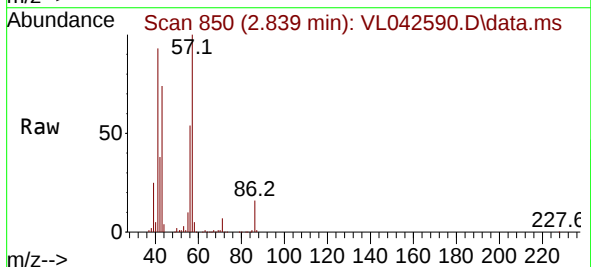
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

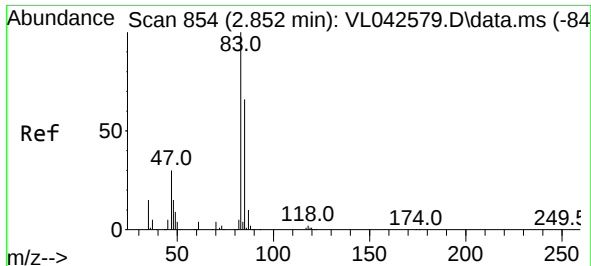
Tgt Ion:	84	Resp:	1221
Ion	Ratio	Lower	Upper
84	100		
49	153.4	128.8	193.2
51	42.9	38.6	57.8
86	69.7	52.5	78.7



#26
Hexane
Concen: 4.407 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL042590.D
Acq: 29 May 2025 17:55

Tgt Ion:	57	Resp:	72379
Ion	Ratio	Lower	Upper
57	100		
41	90.0	70.6	106.0
43	71.0	181.1	271.7#
56	55.0	42.2	63.4





#29

Chloroform

Concen: 0.279 ppbv

RT: 2.862 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL042590.D

Acq: 29 May 2025 17:55

Instrument :

MSVOA_L

ClientSampleId :

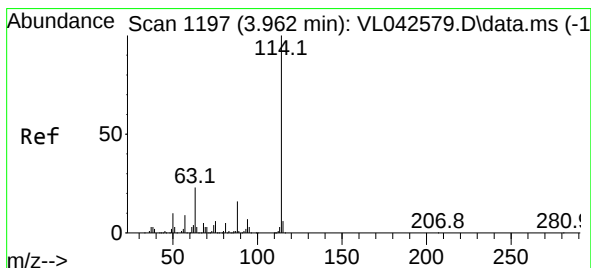
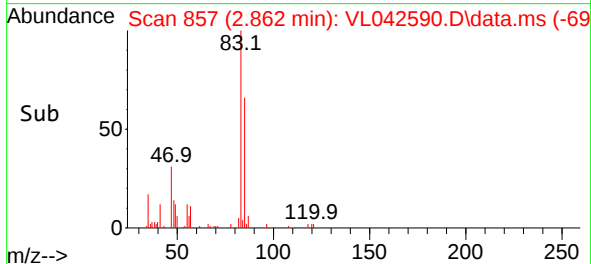
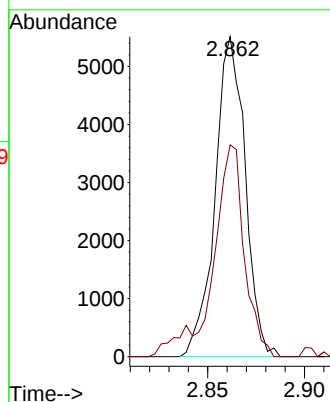
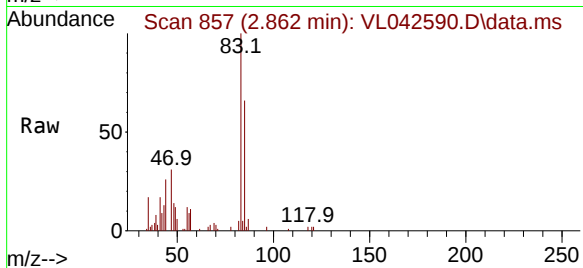
SV1DL

Tgt Ion: 83 Resp: 5962

Ion Ratio Lower Upper

83 100

85 66.2 52.8 79.2



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1201

Delta R.T. 0.013 min

Lab File: VL042590.D

Acq: 29 May 2025 17:55

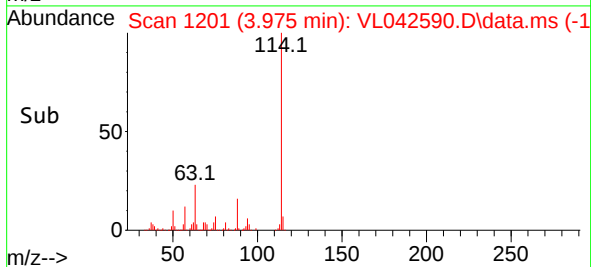
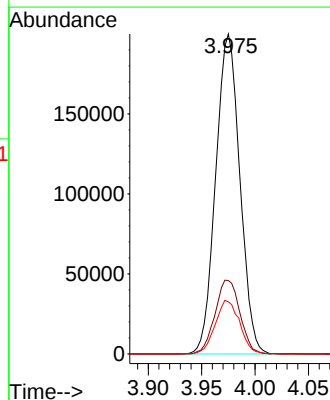
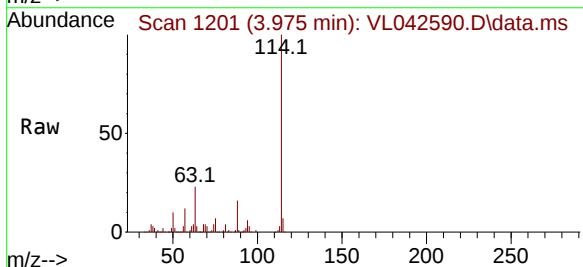
Tgt Ion: 114 Resp: 314559

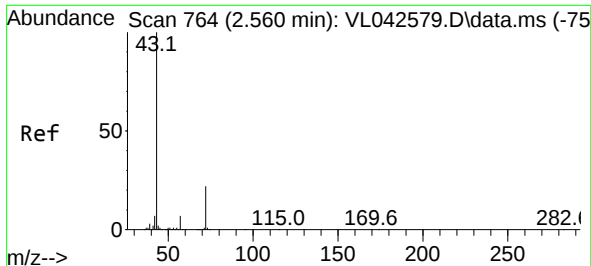
Ion Ratio Lower Upper

114 100

63 23.8 19.0 28.6

88 17.0 13.6 20.4

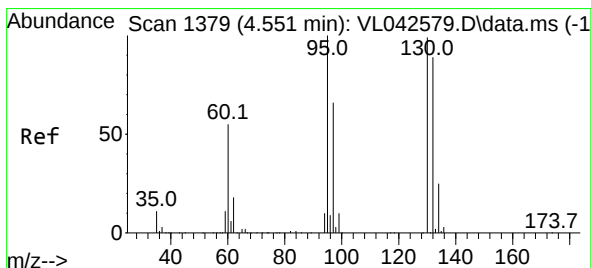
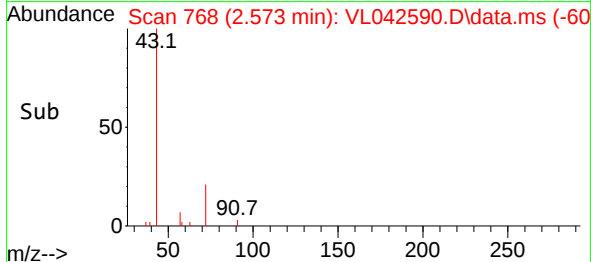
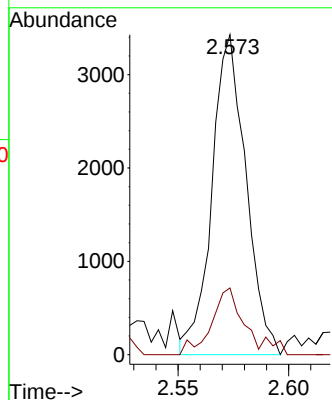
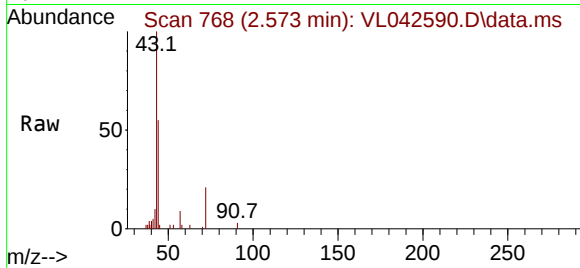




#34
2-Butanone
Concen: 0.163 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.013 min
Lab File: VL042590.D
Acq: 29 May 2025 17:55

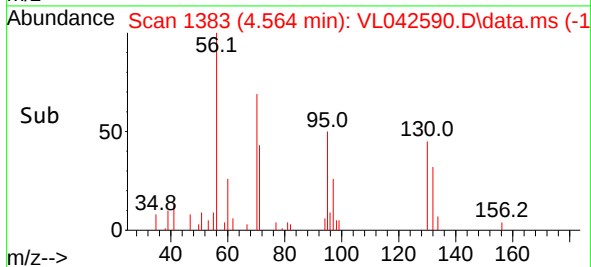
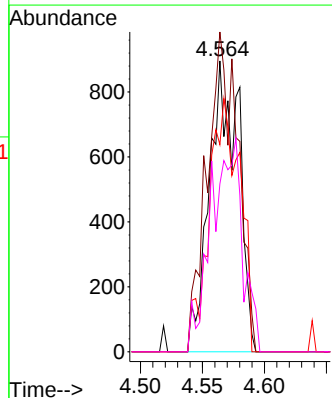
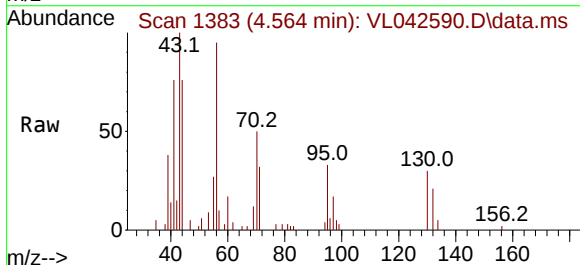
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

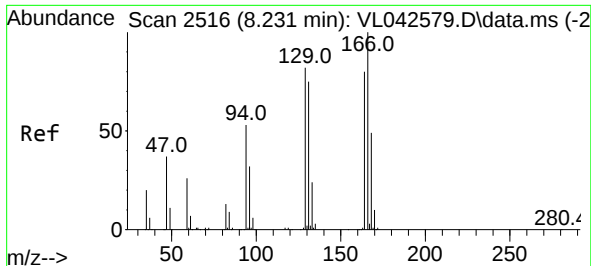
Tgt Ion: 43 Resp: 3661
Ion Ratio Lower Upper
43 100
72 21.0 17.7 26.5



#38
Trichloroethene
Concen: 0.112 ppbv m
RT: 4.564 min Scan# 1383
Delta R.T. 0.013 min
Lab File: VL042590.D
Acq: 29 May 2025 17:55

Tgt Ion:130 Resp: 1476
Ion Ratio Lower Upper
130 100
95 109.9 80.6 121.0
132 71.2 71.8 107.6#
97 57.7 53.0 79.4

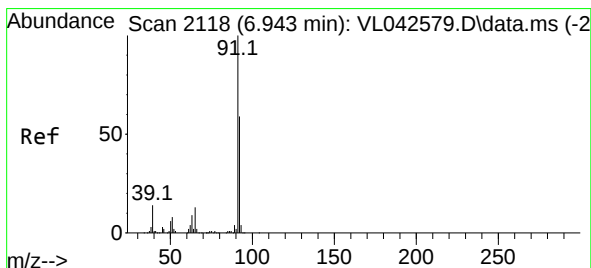
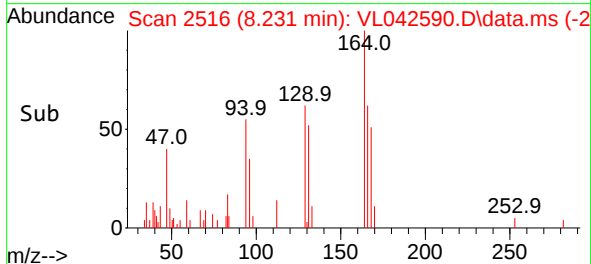
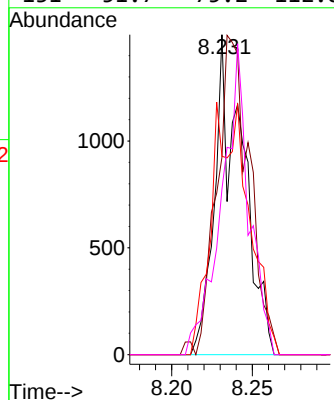
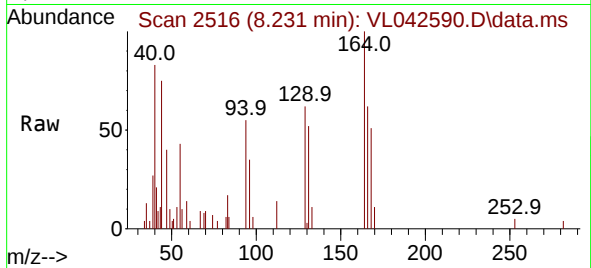




#52
Tetrachloroethene
Concen: 0.157 ppbv m
RT: 8.231 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VL042590.D
Acq: 29 May 2025 17:55

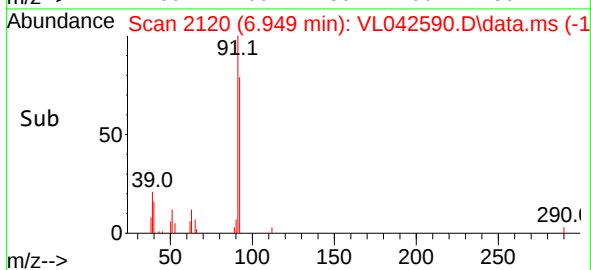
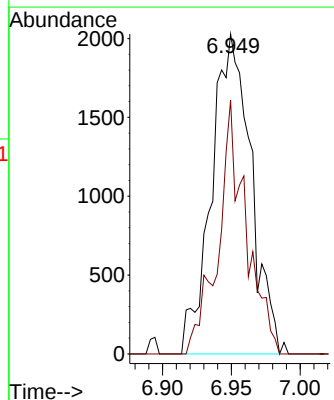
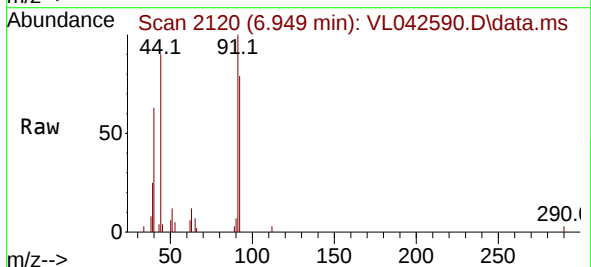
Instrument :
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SV1DL

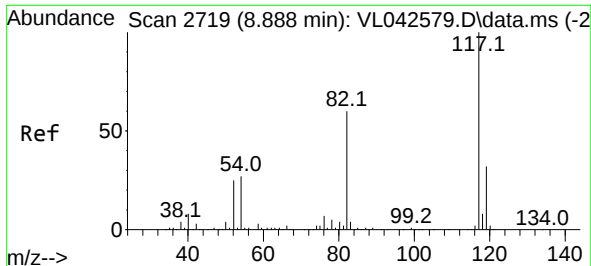
Tgt Ion:164 Resp: 1823
Ion Ratio Lower Upper
164 100
166 61.7 100.0 150.0#
129 62.0 82.2 123.4#
131 51.7 75.2 112.8#



#53
Toluene
Concen: 0.113 ppbv m
RT: 6.949 min Scan# 2120
Delta R.T. 0.007 min
Lab File: VL042590.D
Acq: 29 May 2025 17:55

Tgt Ion: 91 Resp: 4045
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042590.D

Acq: 29 May 2025 17:55

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

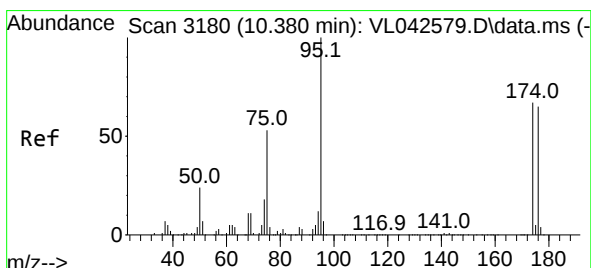
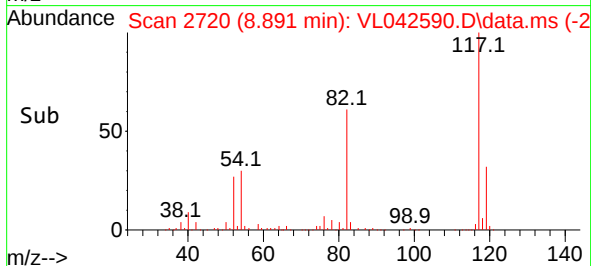
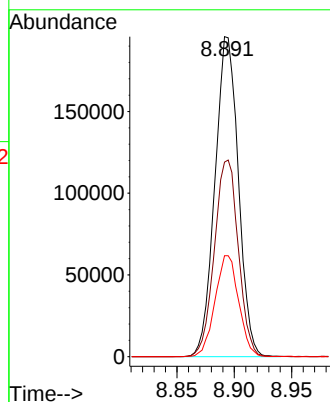
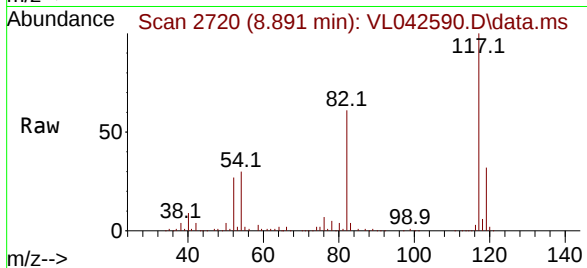
Tgt Ion:117 Resp: 278591

Ion Ratio Lower Upper

117 100

82 62.7 51.2 76.8

119 31.9 26.3 39.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.028 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.007 min

Lab File: VL042590.D

Acq: 29 May 2025 17:55

Tgt Ion: 95 Resp: 209427

Ion Ratio Lower Upper

95 100

174 65.1 53.1 79.7

175 4.8 4.2 6.2

