

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043093.D
 Acq On : 09 Oct 2025 18:20
 Operator : SY/MD
 Sample : Q3320-04DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Quant Time: Oct 09 22:19:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

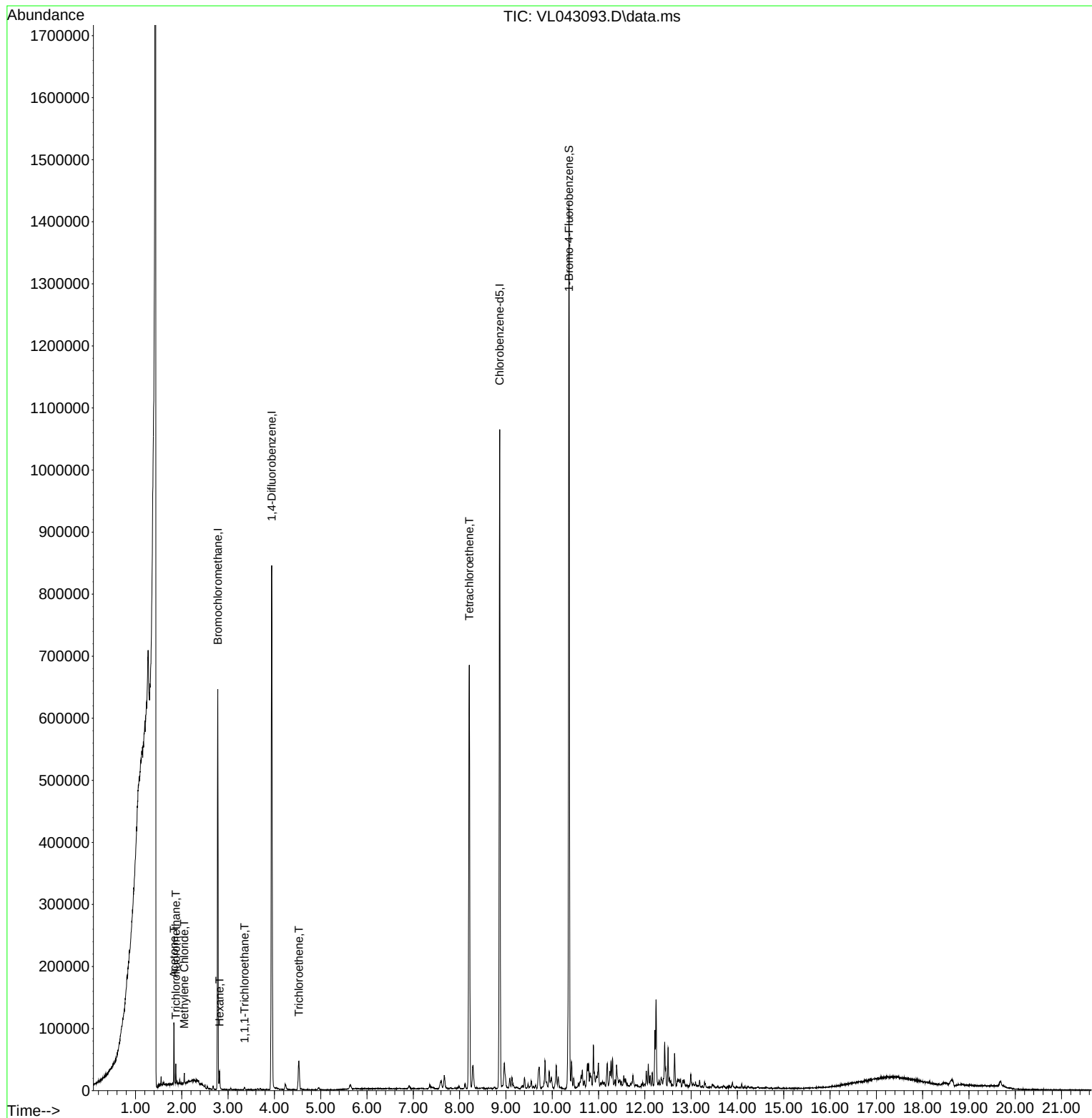
Internal Standards						
1) Bromochloromethane	2.777	49	169568	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	455409	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	411145	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	349829	11.811	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	118.100%
Target Compounds						
					Qvalue	
11) Trichlorofluoromethane	1.871	101	8693	0.296	ppbv	94
15) Acetone	1.829	43	41689	1.756	ppbv	93
20) Methylene Chloride	2.055	84	2511	0.242	ppbv	93
26) Hexane	2.816	57	5091	0.222	ppbv #	30
32) 1,1,1-Trichloroethane	3.353	97	1586	0.042	ppbv	94
38) Trichloroethene	4.528	130	12930	0.713	ppbv	96
52) Tetrachloroethene	8.208	164	119406	7.412	ppbv	96

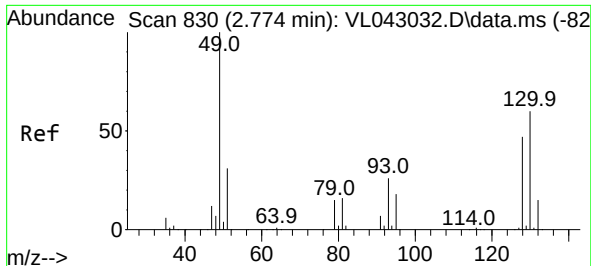
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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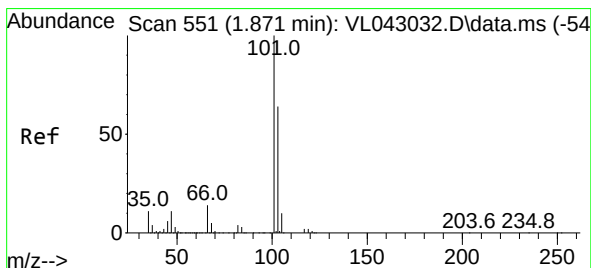
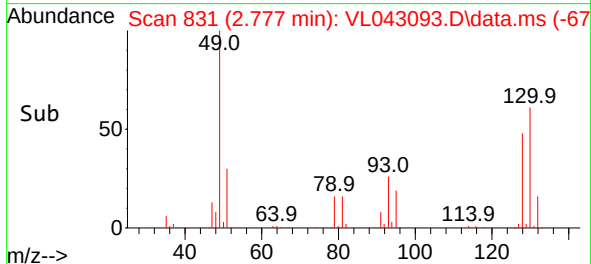
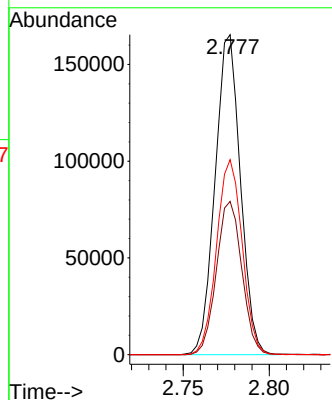
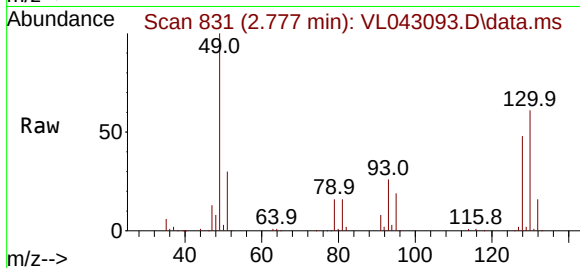




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

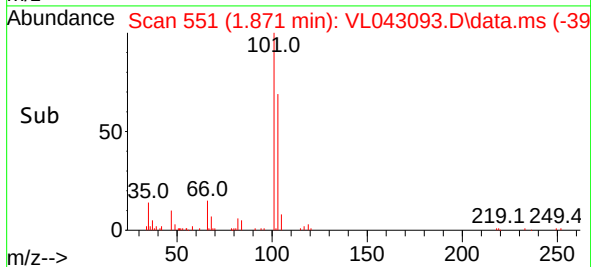
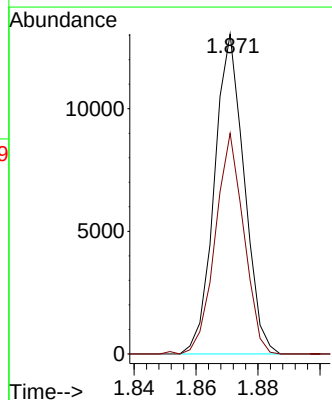
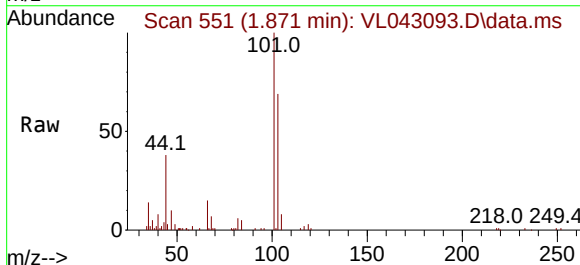
Instrument :
MSVOA_1
ClientSampleId :
SV2DL

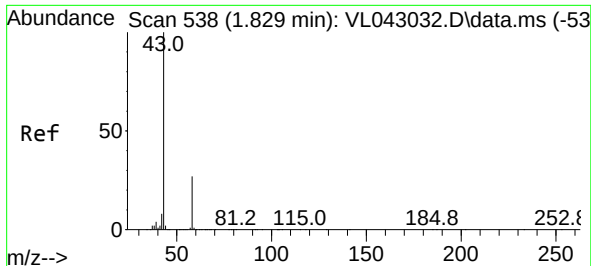
Tgt Ion: 49 Resp: 169568
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.2
130 61.6 31.4 94.3



#11
Trichlorofluoromethane
Concen: 0.296 ppbv
RT: 1.871 min Scan# 551
Delta R.T. -0.000 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

Tgt Ion:101 Resp: 8693
Ion Ratio Lower Upper
101 100
103 69.0 51.1 76.7

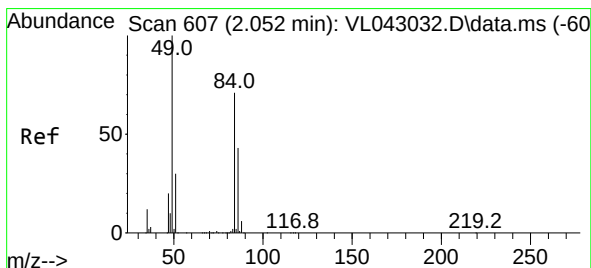
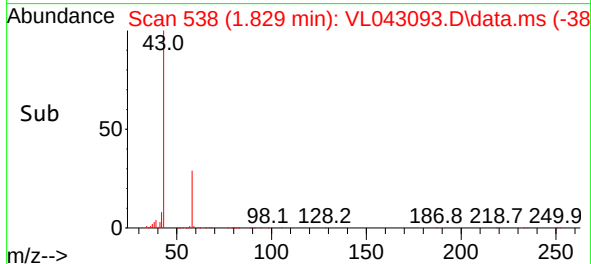
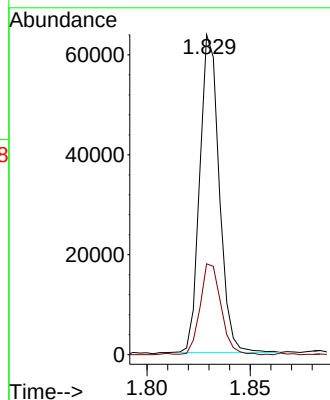
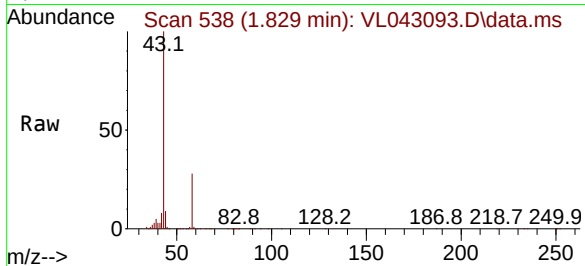




#15
Acetone
Concen: 1.756 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

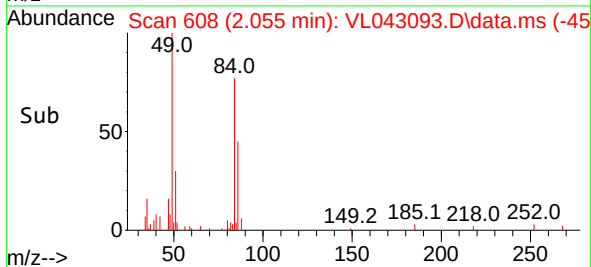
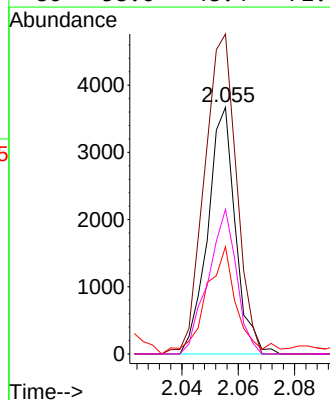
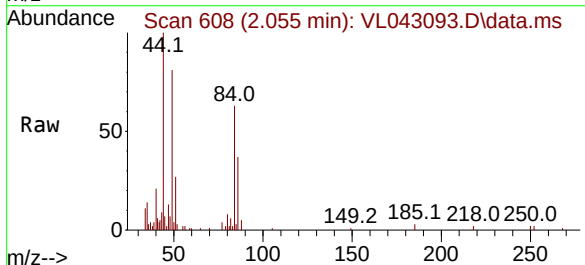
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

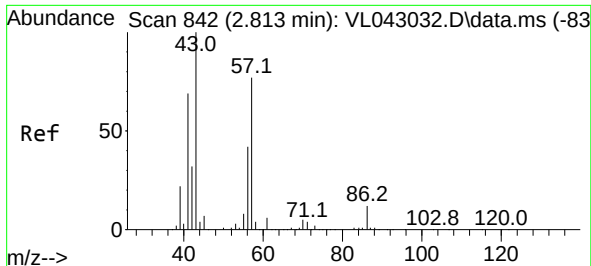
Tgt Ion: 43 Resp: 41689
Ion Ratio Lower Upper
43 100
58 31.7 22.2 33.4



#20
Methylene Chloride
Concen: 0.242 ppbv
RT: 2.055 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

Tgt Ion: 84 Resp: 2511
Ion Ratio Lower Upper
84 100
49 129.7 112.5 168.7
51 47.0 34.2 51.2
86 58.6 48.4 72.6

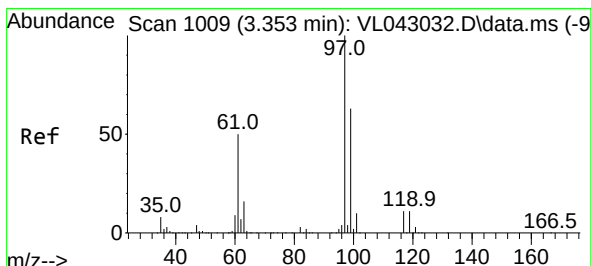
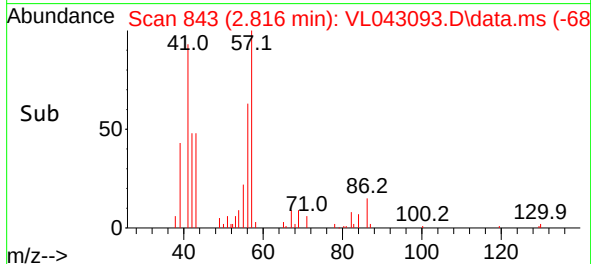
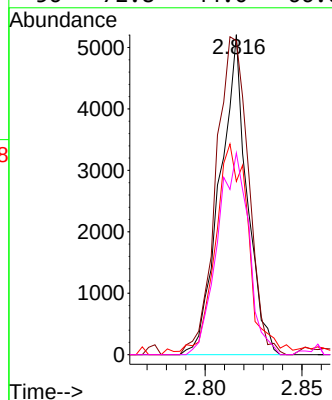
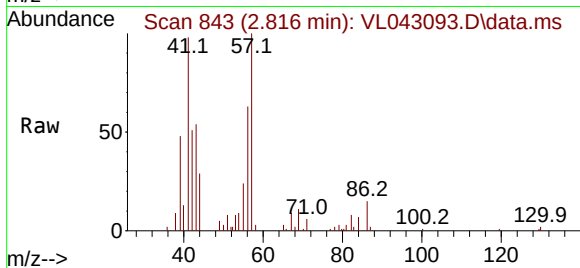




#26
Hexane
Concen: 0.222 ppbv
RT: 2.816 min Scan# 842
Delta R.T. 0.003 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

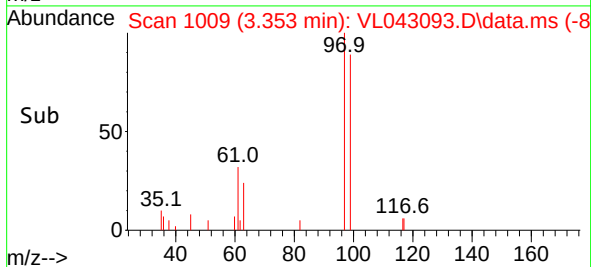
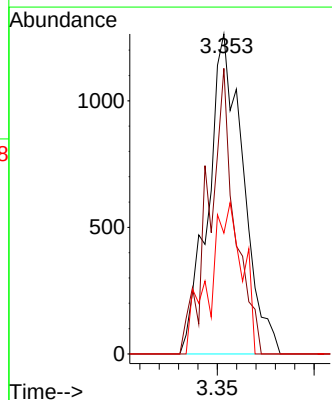
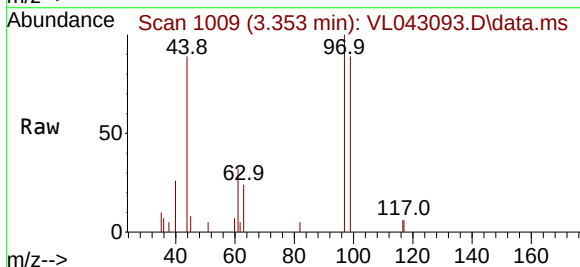
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

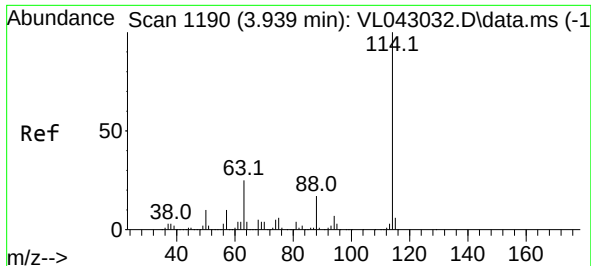
Tgt Ion:	57	Resp:	5091
Ion	Ratio	Lower	Upper
57	100		
41	121.6	76.1	114.1#
43	83.5	201.4	302.0#
56	72.8	44.0	66.0#



#32
1,1,1-Trichloroethane
Concen: 0.042 ppbv
RT: 3.353 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

Tgt Ion:	97	Resp:	1586
Ion	Ratio	Lower	Upper
97	100		
99	67.1	51.2	76.8
61	44.7	40.1	60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.942 min Scan# 1191

Delta R.T. 0.003 min

Lab File: VL043093.D

Acq: 09 Oct 2025 18:20

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

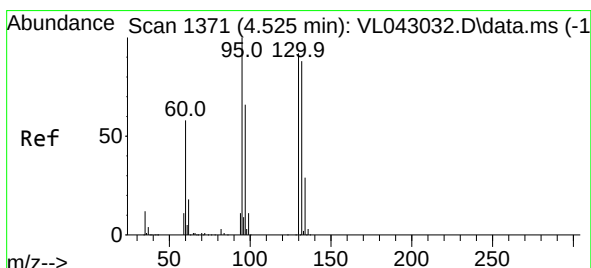
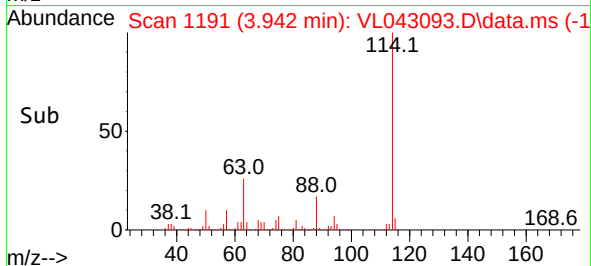
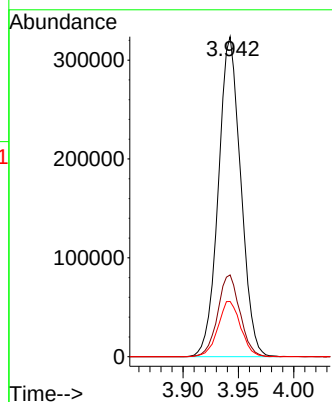
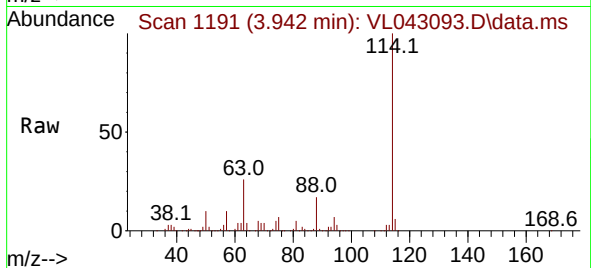
Tgt Ion:114 Resp: 455409

Ion Ratio Lower Upper

114 100

63 25.5 19.4 29.2

88 17.5 13.9 20.9



#38

Trichloroethene

Concen: 0.713 ppbv

RT: 4.528 min Scan# 1372

Delta R.T. 0.003 min

Lab File: VL043093.D

Acq: 09 Oct 2025 18:20

Tgt Ion:130 Resp: 12930

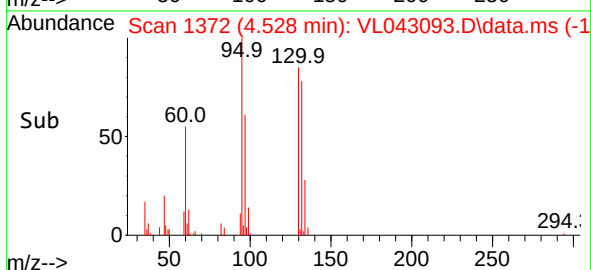
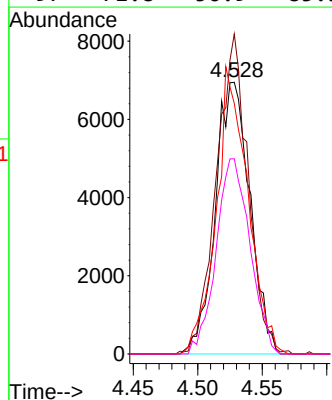
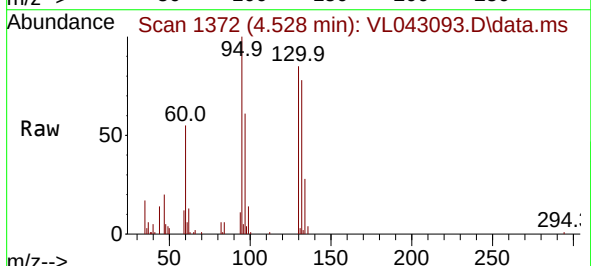
Ion Ratio Lower Upper

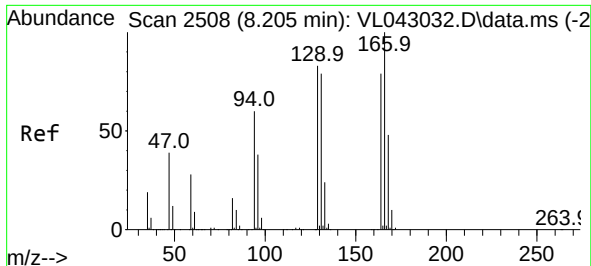
130 100

95 117.0 86.4 129.6

132 92.2 75.7 113.5

97 71.8 56.9 85.3

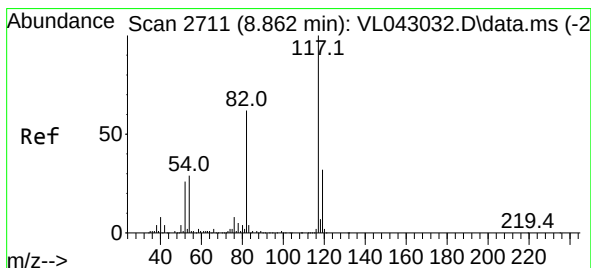
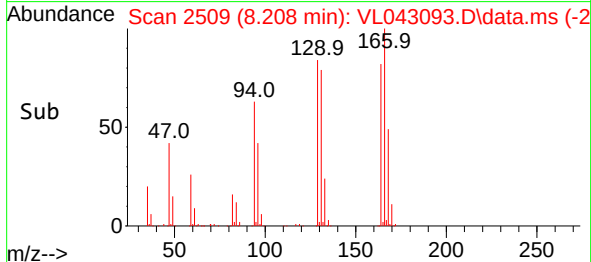
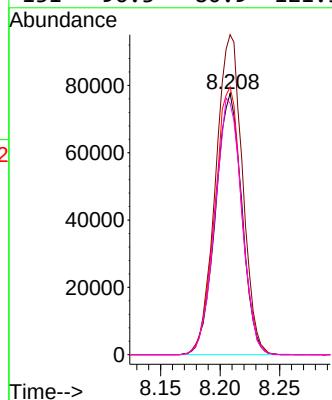
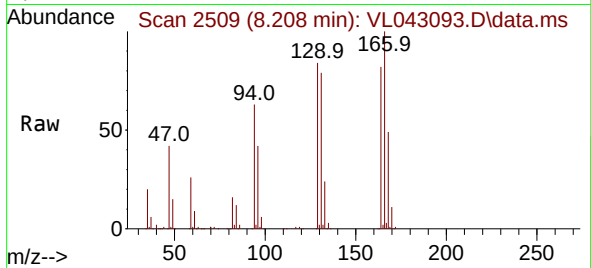




#52
Tetrachloroethene
Concen: 7.412 ppbv
RT: 8.208 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

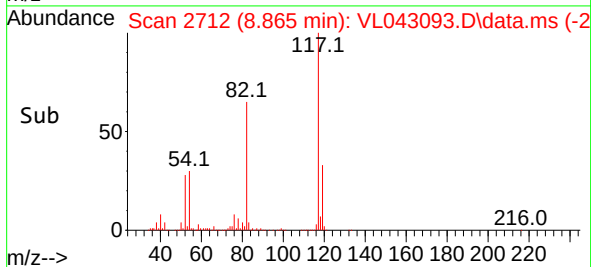
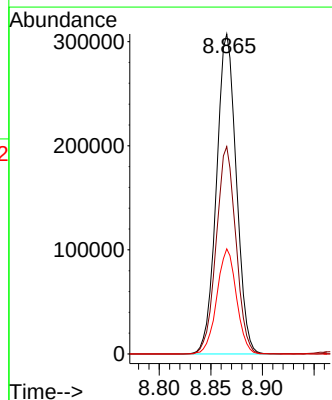
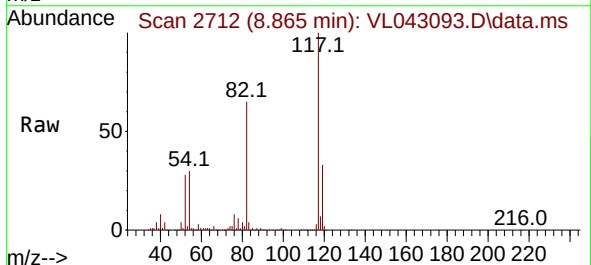
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

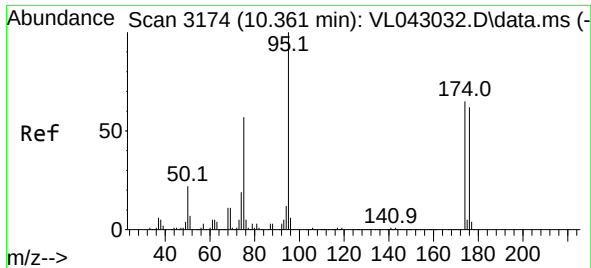
Tgt Ion:164 Resp: 119406
Ion Ratio Lower Upper
164 100
166 122.5 101.8 152.8
129 102.5 84.5 126.7
131 96.3 80.9 121.3



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 2712
Delta R.T. 0.003 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

Tgt Ion:117 Resp: 411145
Ion Ratio Lower Upper
117 100
82 64.3 53.0 79.6
119 32.5 25.4 38.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.811 ppbv
 RT: 10.361 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VL043093.D
 Acq: 09 Oct 2025 18:20

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Tgt Ion: 95 Resp: 349829
 Ion Ratio Lower Upper
 95 100
 174 64.7 52.3 78.5
 175 4.7 3.8 5.8

