

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100925\
 Data File : VX048083.D
 Acq On : 09 Oct 2025 14:00
 Operator : JC/MD
 Sample : Q3311-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1D

Quant Time: Oct 10 01:24:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	125884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	264953	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	275267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142615	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	110914	55.353	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.700%
35) Dibromofluoromethane	5.373	113	88996	50.084	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.160%
50) Toluene-d8	8.635	98	302025	49.122	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.240%
62) 4-Bromofluorobenzene	11.061	95	134616	57.689	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.380%

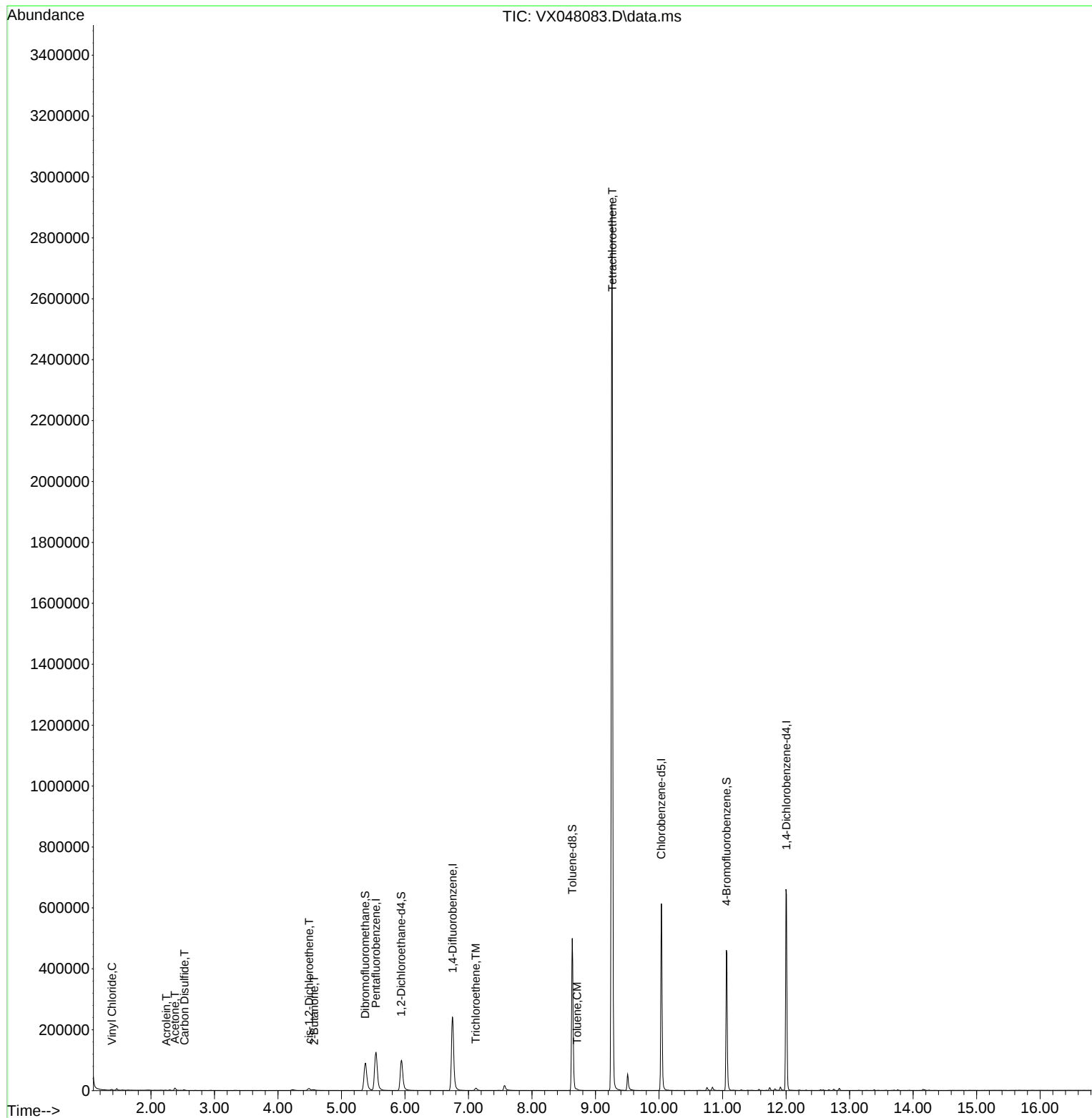
Target Compounds						Qvalue
4) Vinyl Chloride	1.386	62	1023	0.610	ug/l	94
13) Acrolein	2.239	56	290	1.410	ug/l	92
16) Acetone	2.380	43	9921	11.387	ug/l	96
17) Carbon Disulfide	2.526	76	2528	0.617	ug/l #	84
25) 2-Butanone	4.568	43	4499	4.140	ug/l #	87
27) cis-1,2-Dichloroethene	4.489	96	4775	2.421	ug/l	85
44) Trichloroethene	7.117	130	3216	1.687	ug/l	86
52) Toluene	8.708	92	1225	0.252	ug/l	89
64) Tetrachloroethene	9.263	164	559434	311.758	ug/l	98

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

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MSVOA_X
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Quant Time: Oct 10 01:24:10 2025
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Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

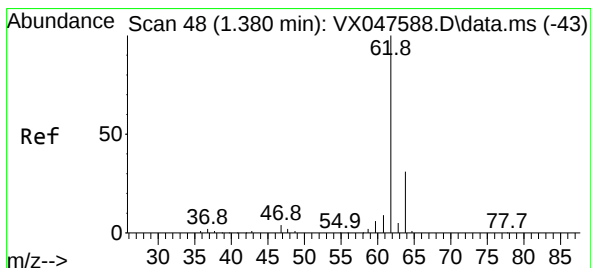
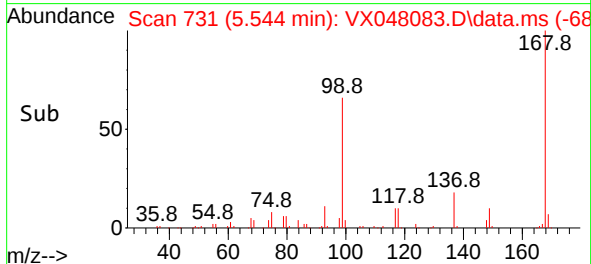
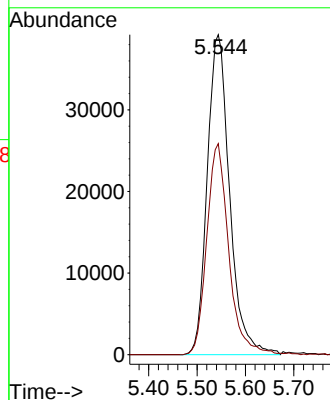
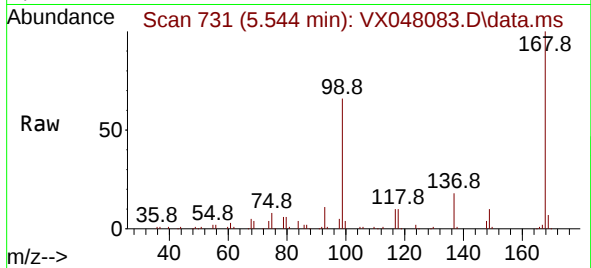




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

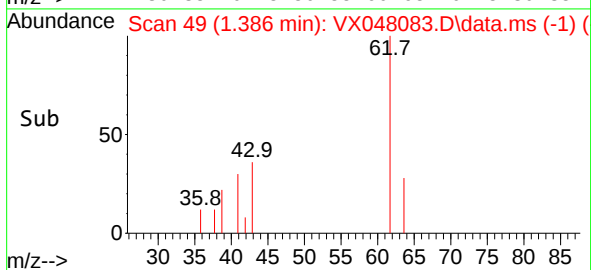
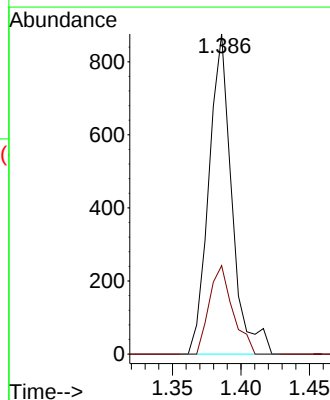
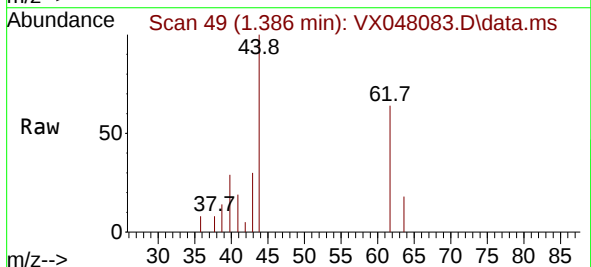
Instrument :
MSVOA_X
ClientSampleId :
MW-1D

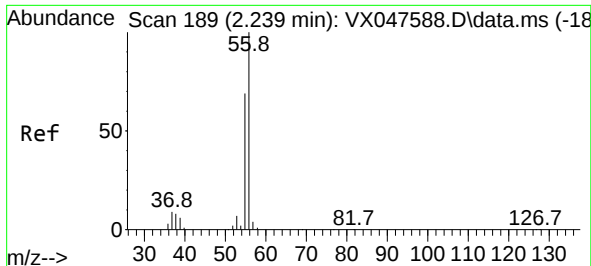
Tgt Ion:168 Resp: 125884
Ion Ratio Lower Upper
168 100
99 66.0 48.8 73.2



#4
Vinyl Chloride
Concen: 0.610 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

Tgt Ion: 62 Resp: 1023
Ion Ratio Lower Upper
62 100
64 27.6 24.9 37.3

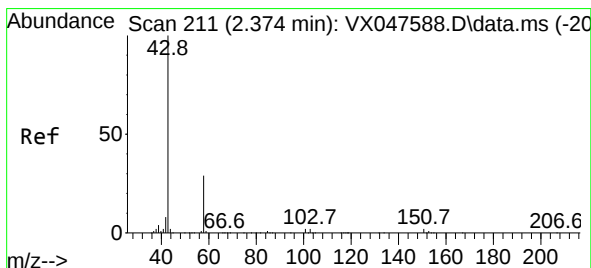
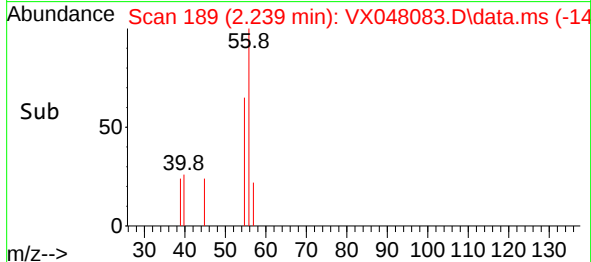
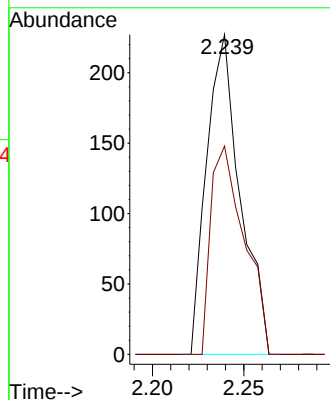
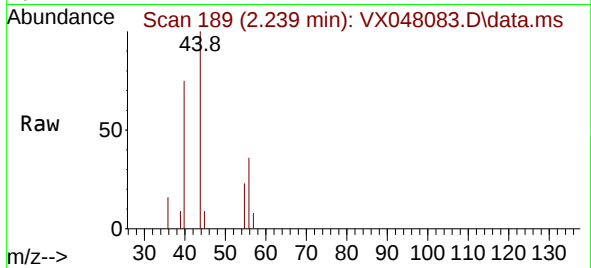




#13
Acrolein
Concen: 1.410 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

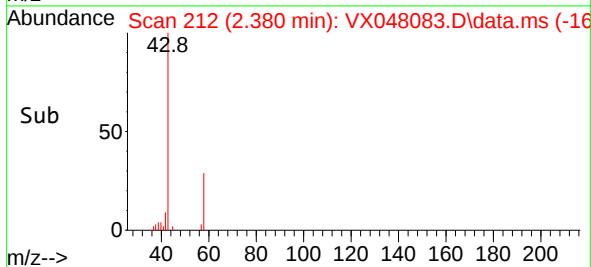
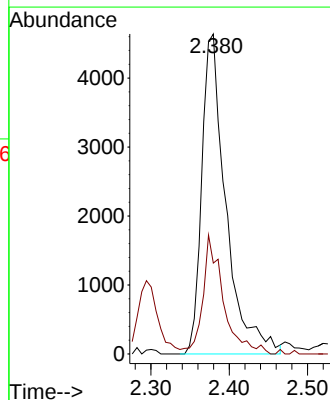
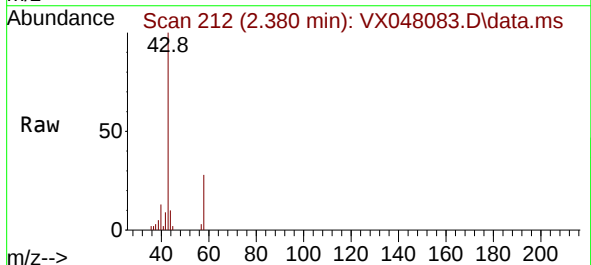
Instrument :
MSVOA_X
ClientSampleId :
MW-1D

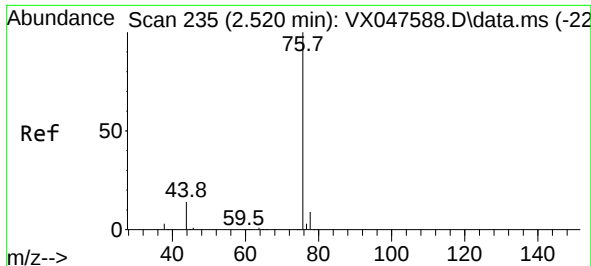
Tgt Ion: 56 Resp: 290
Ion Ratio Lower Upper
56 100
55 65.2 57.2 85.8



#16
Acetone
Concen: 11.387 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

Tgt Ion: 43 Resp: 9921
Ion Ratio Lower Upper
43 100
58 27.0 23.4 35.0

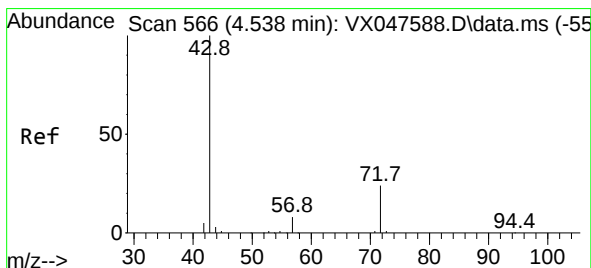
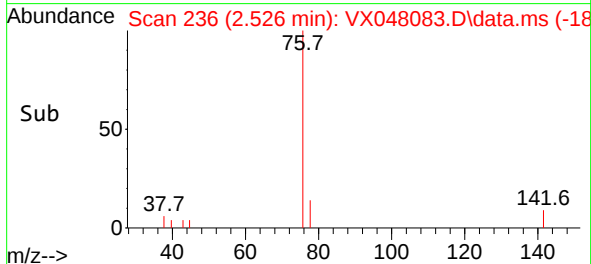
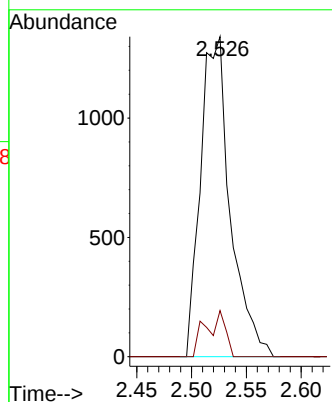
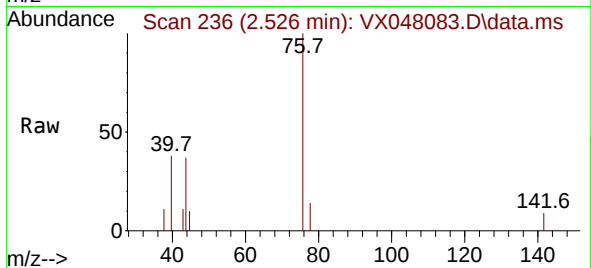




#17
Carbon Disulfide
Concen: 0.617 ug/l
RT: 2.526 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

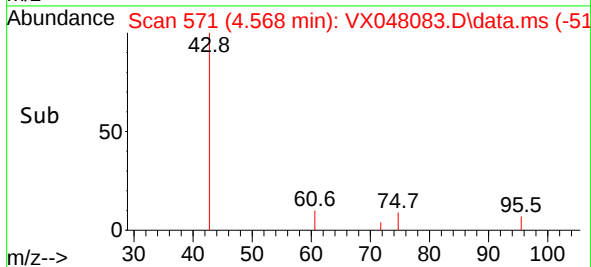
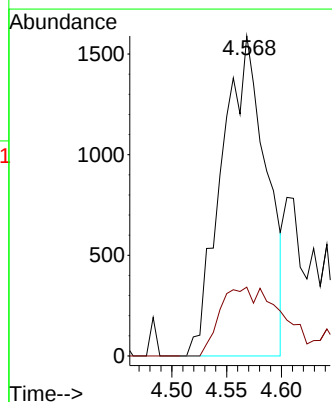
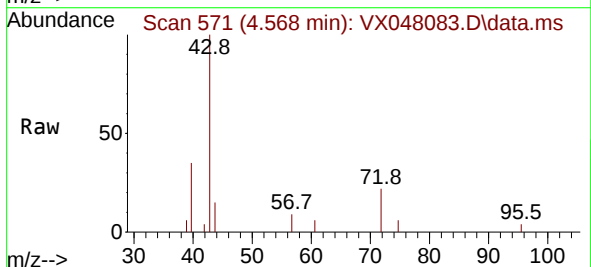
Instrument :
MSVOA_X
ClientSampleId :
MW-1D

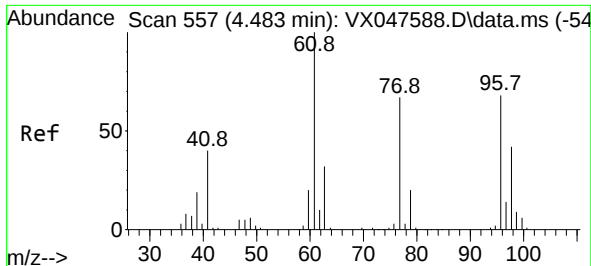
Tgt Ion: 76 Resp: 2528
Ion Ratio Lower Upper
76 100
78 14.4 6.8 10.2#



#25
2-Butanone
Concen: 4.140 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.030 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

Tgt Ion: 43 Resp: 4499
Ion Ratio Lower Upper
43 100
72 18.8 20.1 30.1#

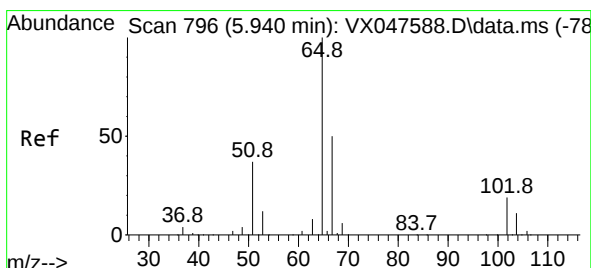
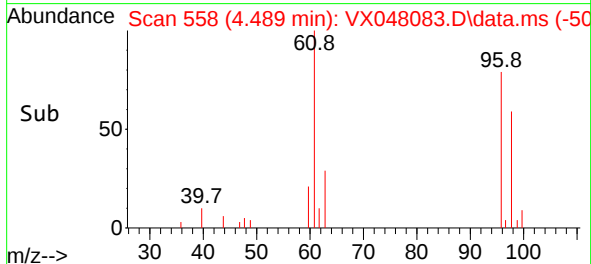
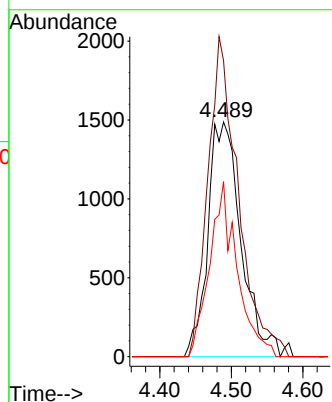
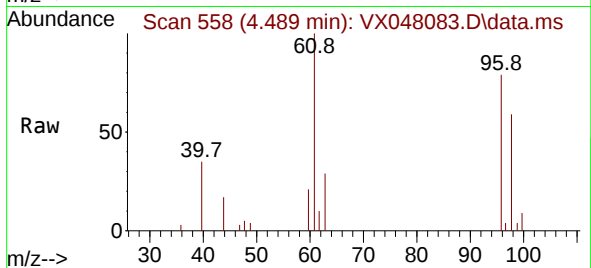




#27
 cis-1,2-Dichloroethene
 Concen: 2.421 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX048083.D
 Acq: 09 Oct 2025 14:00

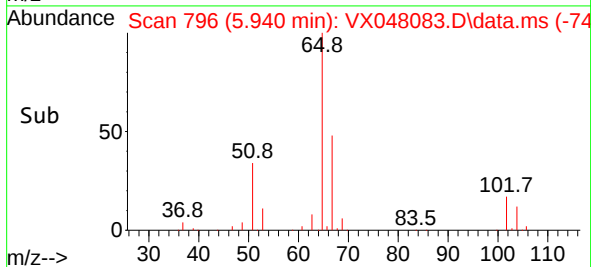
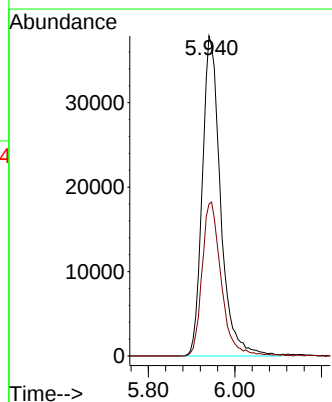
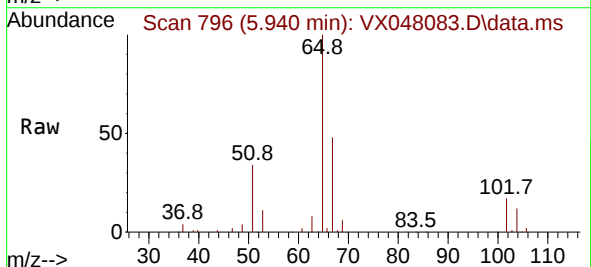
Instrument :
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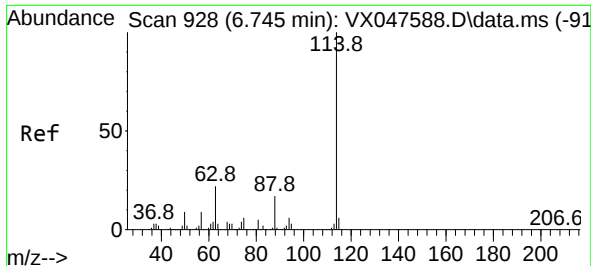
Tgt Ion: 96 Resp: 4775
 Ion Ratio Lower Upper
 96 100
 61 125.3 0.0 303.2
 98 61.9 0.0 127.8



#33
 1,2-Dichloroethane-d4
 Concen: 55.353 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048083.D
 Acq: 09 Oct 2025 14:00

Tgt Ion: 65 Resp: 110914
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 103.0

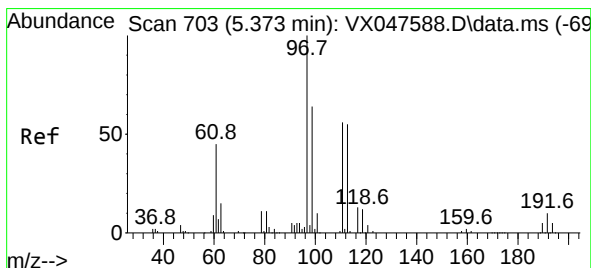
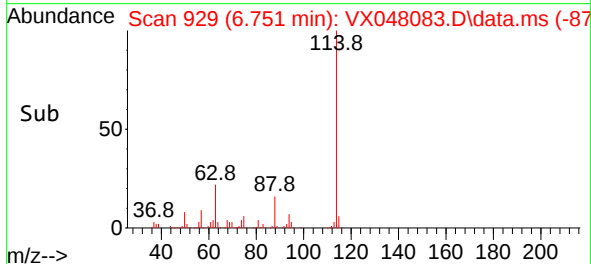
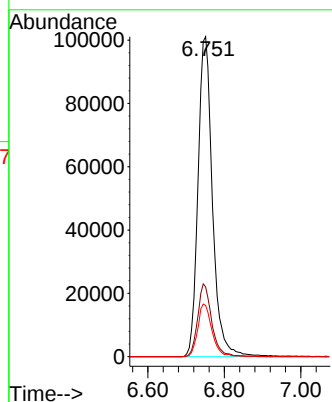
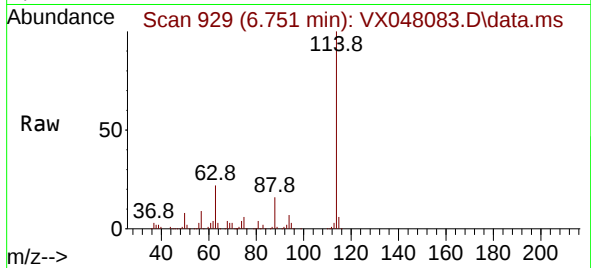




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

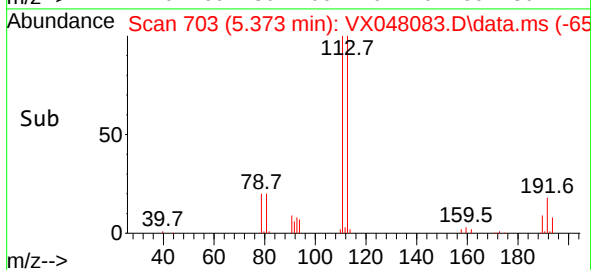
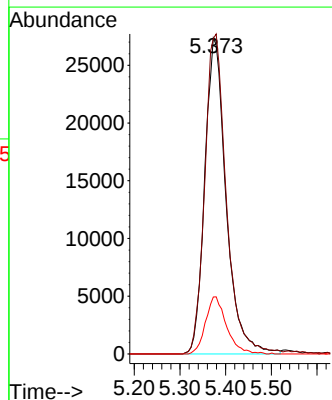
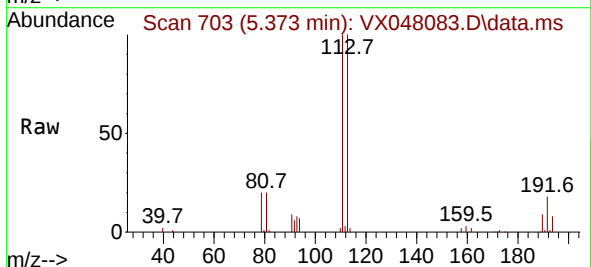
Instrument :
MSVOA_X
ClientSampleId :
MW-1D

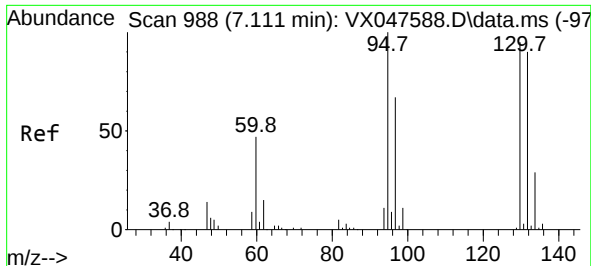
Tgt Ion:114 Resp: 264953
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.0
88 16.0 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.084 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

Tgt Ion:113 Resp: 88996
Ion Ratio Lower Upper
113 100
111 102.5 80.9 121.3
192 17.8 14.2 21.4

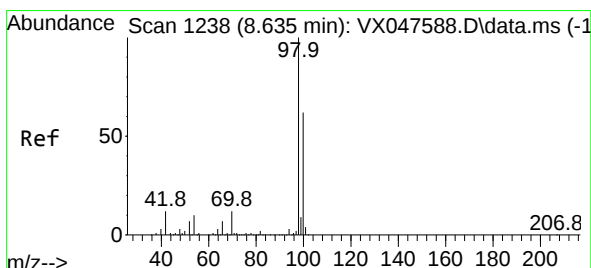
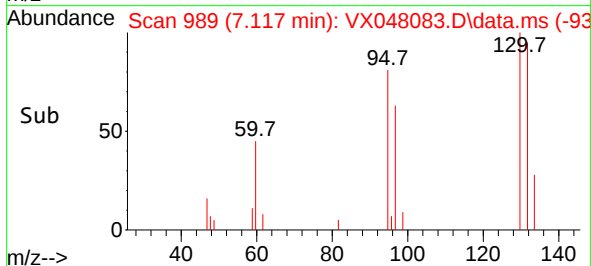
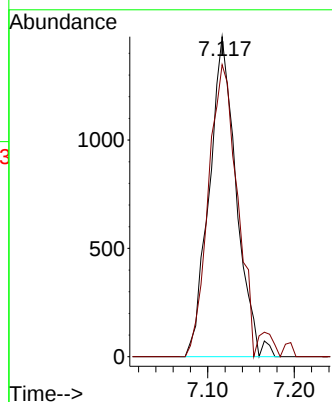
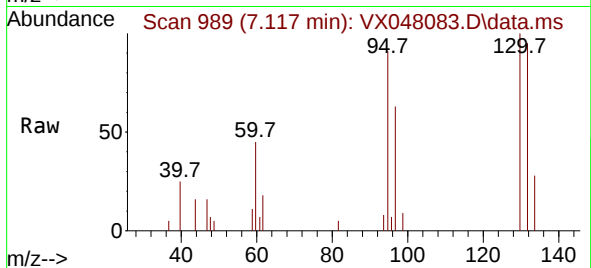




#44
Trichloroethene
Concen: 1.687 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

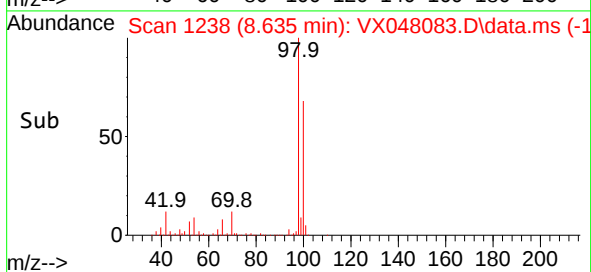
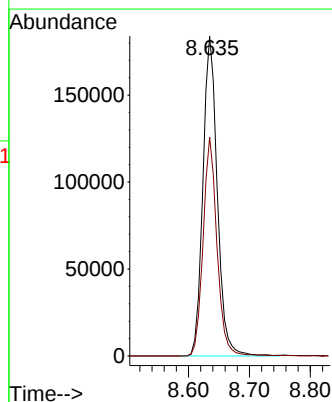
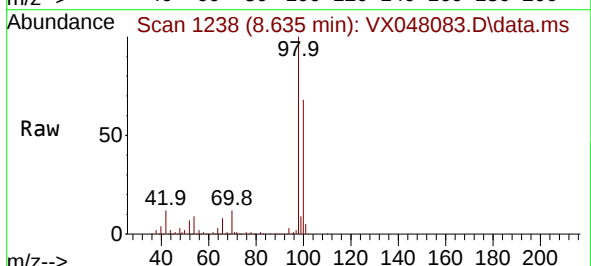
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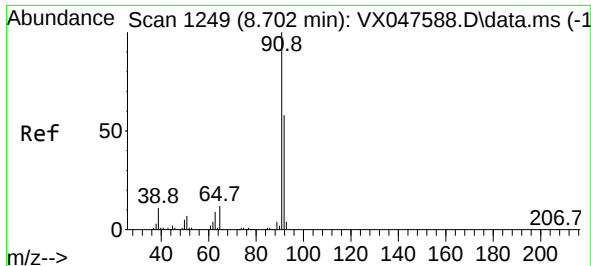
Tgt Ion:130 Resp: 3216
Ion Ratio Lower Upper
130 100
95 91.3 0.0 210.8



#50
Toluene-d8
Concen: 49.122 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

Tgt Ion: 98 Resp: 302025
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4

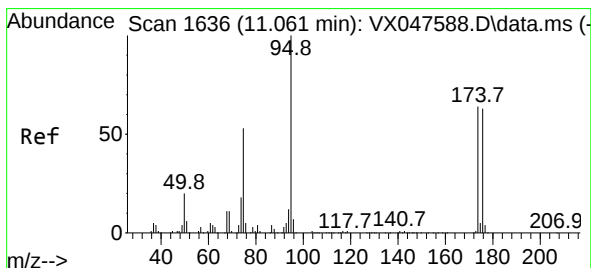
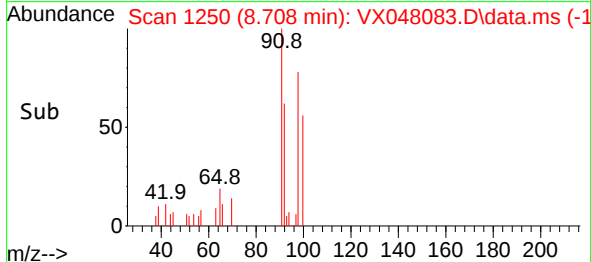
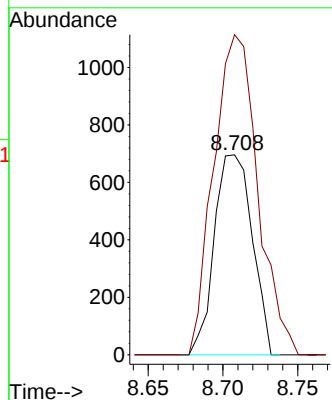
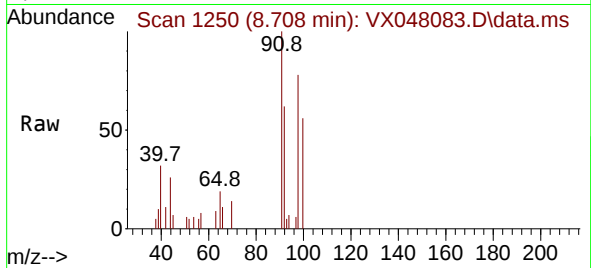




#52
Toluene
Concen: 0.252 ug/l
RT: 8.708 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

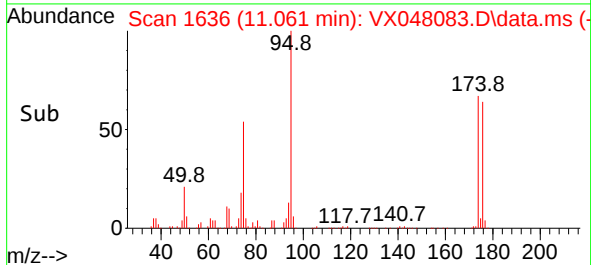
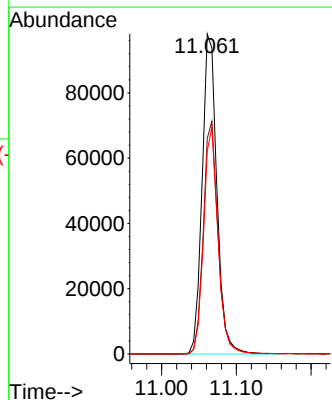
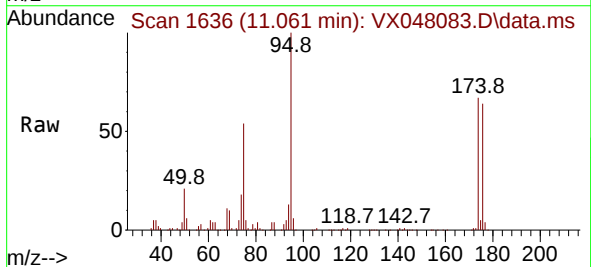
Instrument :
MSVOA_X
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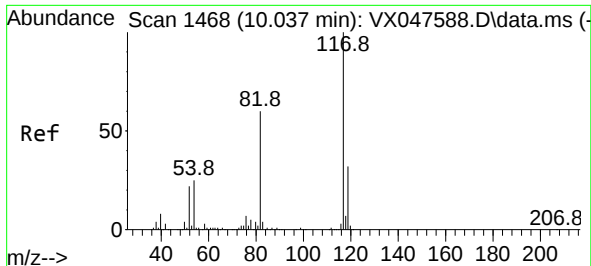
Tgt Ion: 92 Resp: 1225
Ion Ratio Lower Upper
92 100
91 186.5 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 57.689 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

Tgt Ion: 95 Resp: 134616
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.6
176 69.0 0.0 138.4

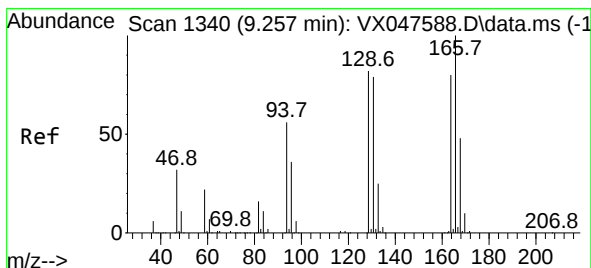
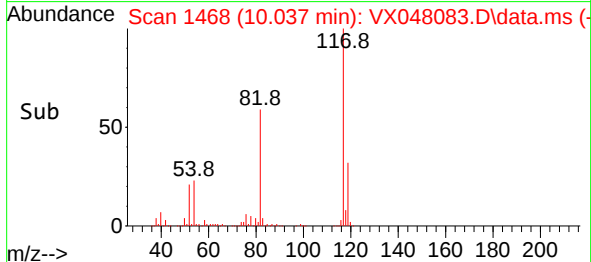
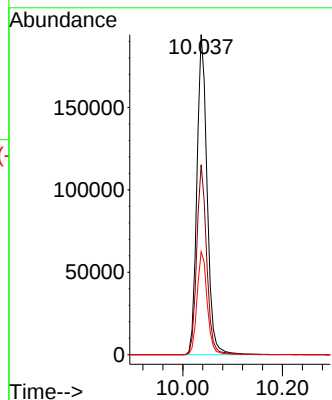
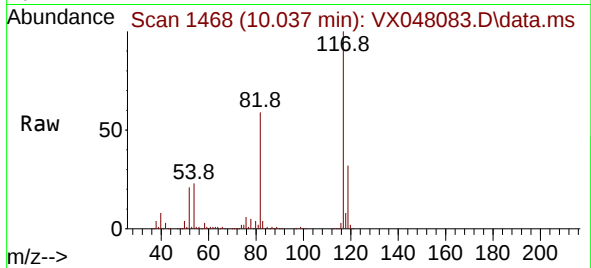




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

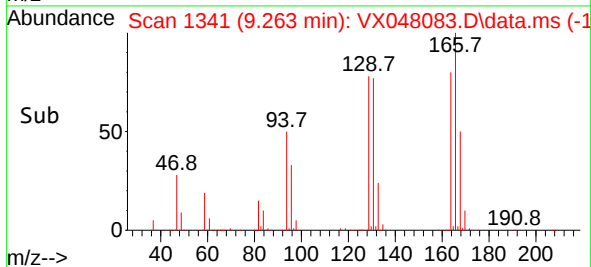
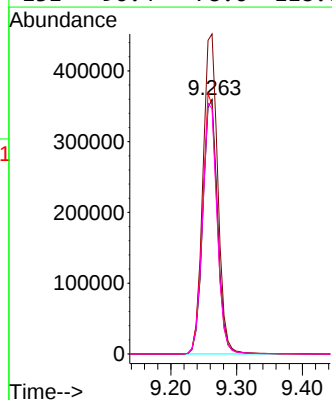
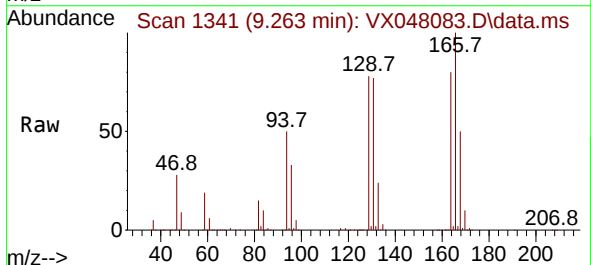
Instrument :
MSVOA_X
ClientSampleId :
MW-1D

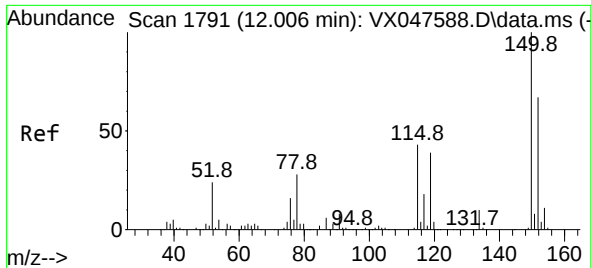
Tgt Ion:117 Resp: 275267
Ion Ratio Lower Upper
117 100
82 59.3 47.8 71.6
119 32.1 25.2 37.8



#64
Tetrachloroethene
Concen: 311.758 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048083.D
Acq: 09 Oct 2025 14:00

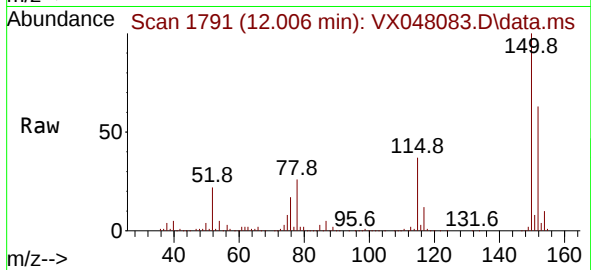
Tgt Ion:164 Resp: 559434
Ion Ratio Lower Upper
164 100
166 125.8 100.2 150.2
129 97.8 81.8 122.6
131 96.4 78.6 118.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048083.D
 Acq: 09 Oct 2025 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1D



Tgt Ion:152 Resp: 142615
 Ion Ratio Lower Upper
 152 100
 115 61.9 44.9 134.5
 150 155.2 0.0 352.0

