

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087514.D
 Acq On : 12 Aug 2025 15:07
 Operator : JC\MD
 Sample : Q2816-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1058-MW-11(15)

Quant Time: Aug 13 03:05:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	245218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	533590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	497794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	234425	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	255216	61.338	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	122.680%
35) Dibromofluoromethane	8.153	113	183717	49.914	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.820%
50) Toluene-d8	10.547	98	685529	52.213	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.420%
62) 4-Bromofluorobenzene	12.829	95	253983	52.360	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.720%

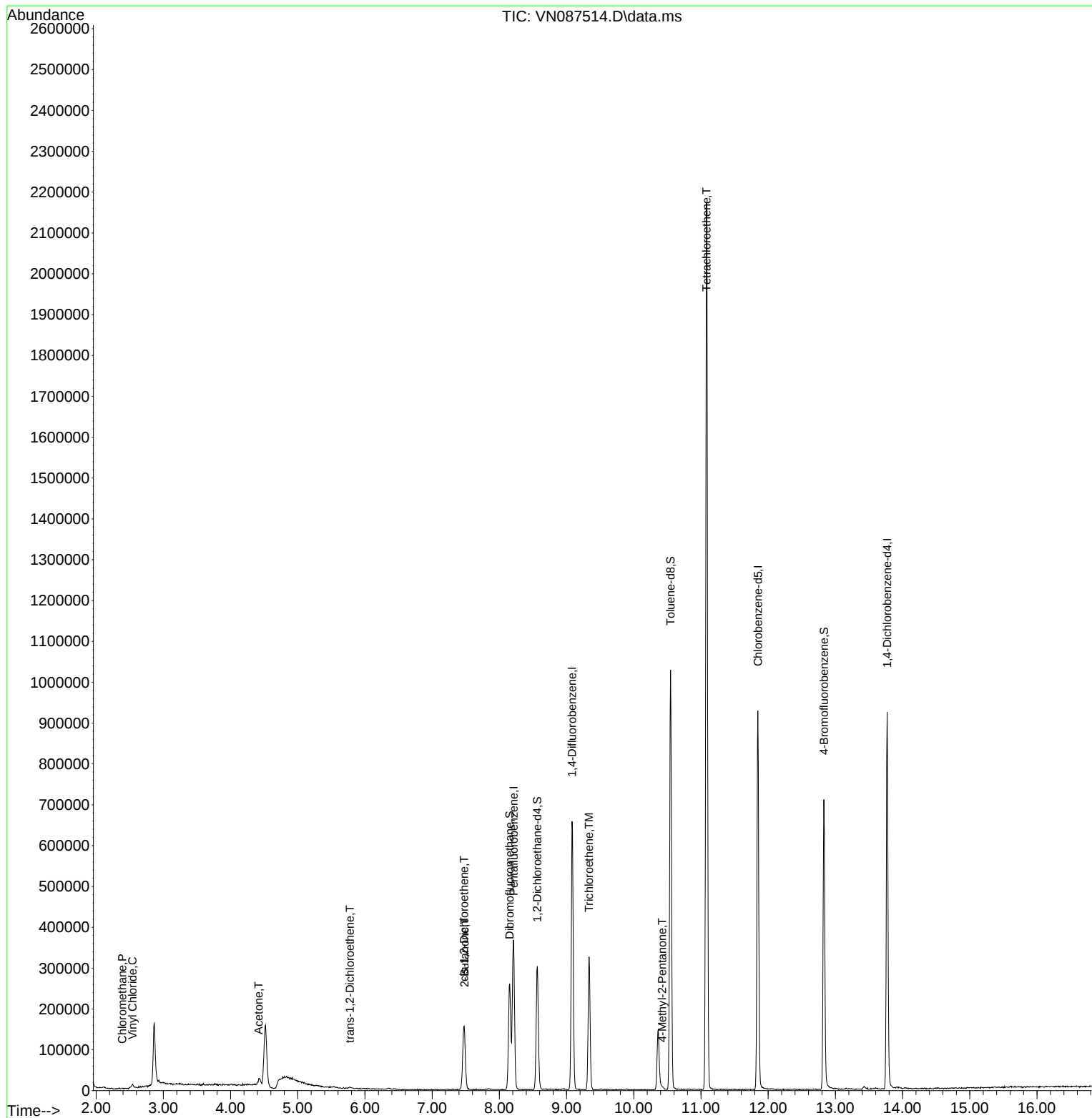
Target Compounds					Qvalue	
3) Chloromethane	2.389	50	1146	0.350	ug/l #	86
4) Vinyl Chloride	2.542	62	6862	2.108	ug/l	96
16) Acetone	4.418	43	33399	17.120	ug/l	99
21) trans-1,2-Dichloroethene	5.777	96	1745	0.553	ug/l	90
25) 2-Butanone	7.483	43	8824	2.927	ug/l #	82
27) cis-1,2-Dichloroethene	7.477	96	88700	24.405	ug/l	92
44) Trichloroethene	9.335	130	108002	29.082	ug/l	98
51) 4-Methyl-2-Pentanone	10.424	43	3226	0.468	ug/l #	75
64) Tetrachloroethene	11.082	164	457072	142.664	ug/l	96

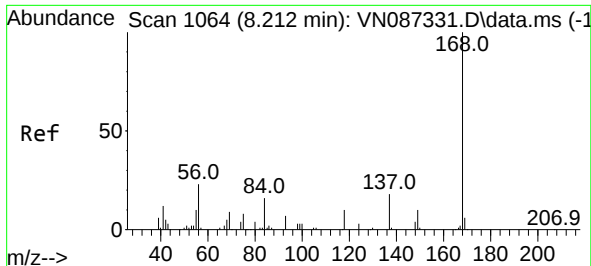
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

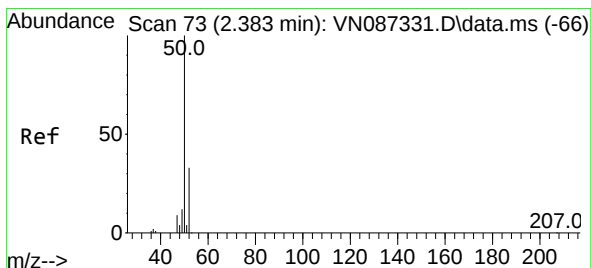
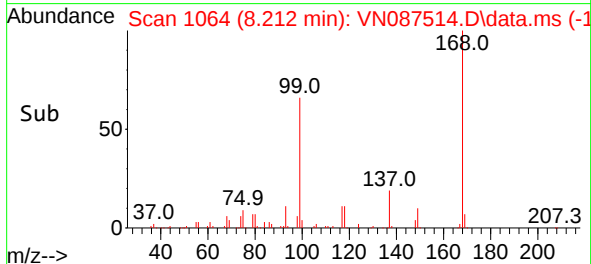
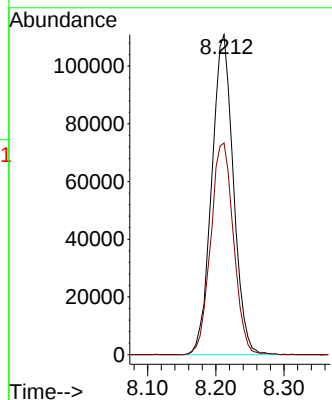
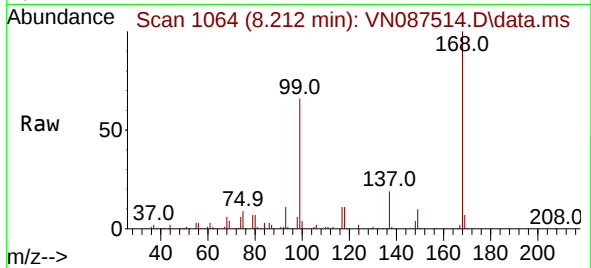




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087514.D
Acq: 12 Aug 2025 15:07

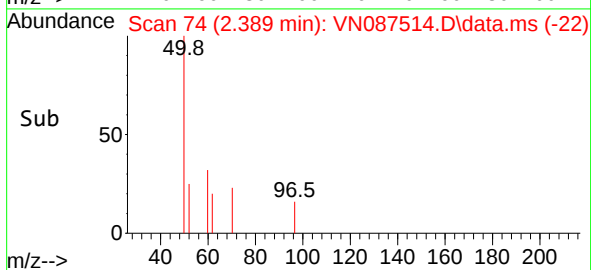
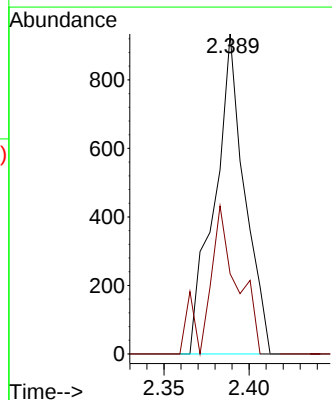
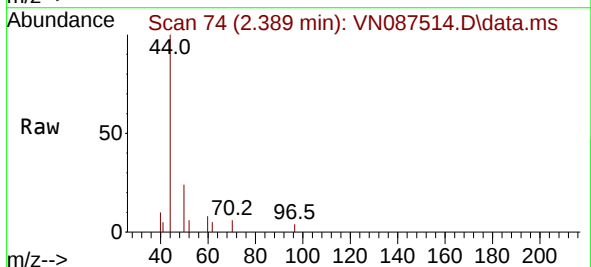
Instrument :
MSVOA_N
ClientSampleId :
1058-MW-11(15)

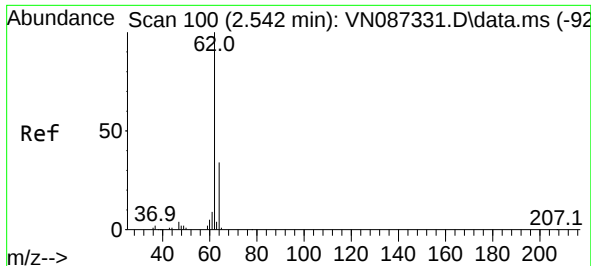
Tgt Ion:168 Resp: 245218
Ion Ratio Lower Upper
168 100
99 66.1 47.9 71.9



#3
Chloromethane
Concen: 0.350 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN087514.D
Acq: 12 Aug 2025 15:07

Tgt Ion: 50 Resp: 1146
Ion Ratio Lower Upper
50 100
52 25.1 26.3 39.5#

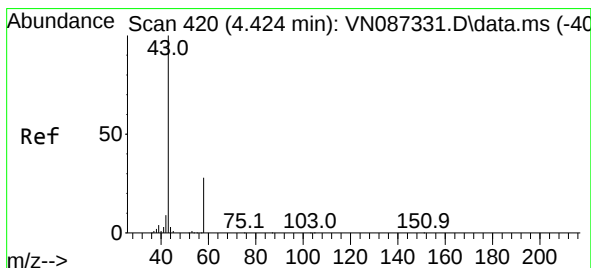
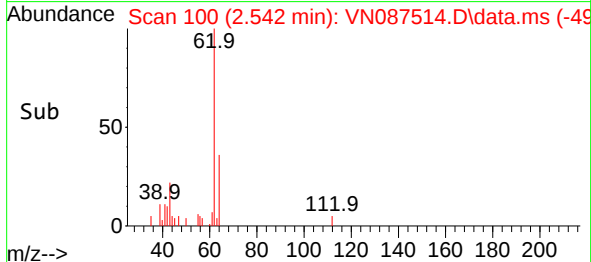
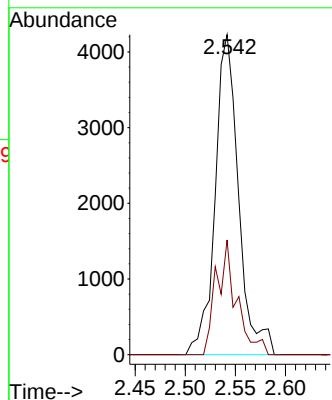
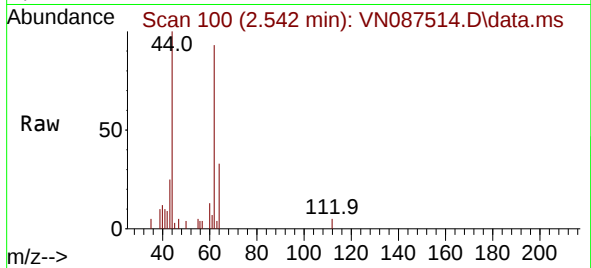




#4
 Vinyl Chloride
 Concen: 2.108 ug/l
 RT: 2.542 min Scan# 100
 Delta R.T. 0.000 min
 Lab File: VN087514.D
 Acq: 12 Aug 2025 15:07

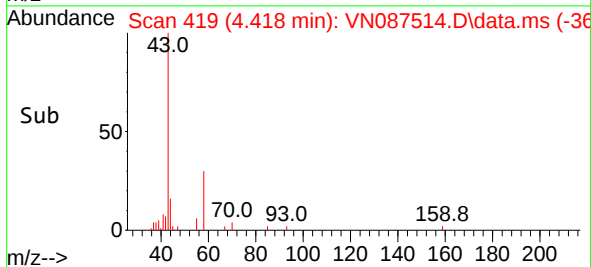
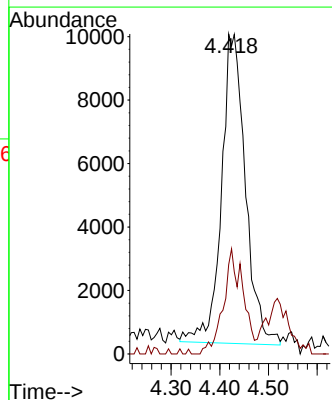
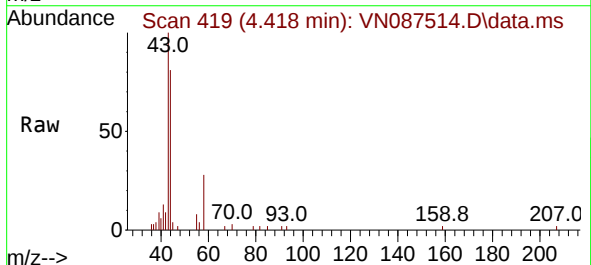
Instrument :
 MSVOA_N
 ClientSampleId :
 1058-MW-11(15)

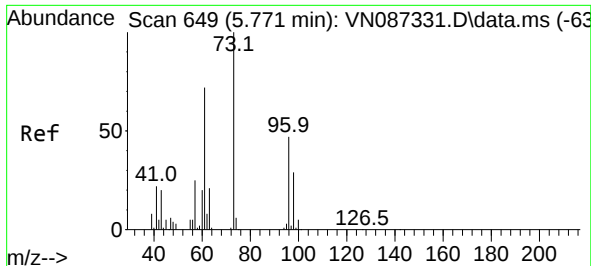
Tgt Ion: 62 Resp: 6862
 Ion Ratio Lower Upper
 62 100
 64 35.8 27.0 40.6



#16
 Acetone
 Concen: 17.120 ug/l
 RT: 4.418 min Scan# 419
 Delta R.T. -0.006 min
 Lab File: VN087514.D
 Acq: 12 Aug 2025 15:07

Tgt Ion: 43 Resp: 33399
 Ion Ratio Lower Upper
 43 100
 58 27.3 22.3 33.5

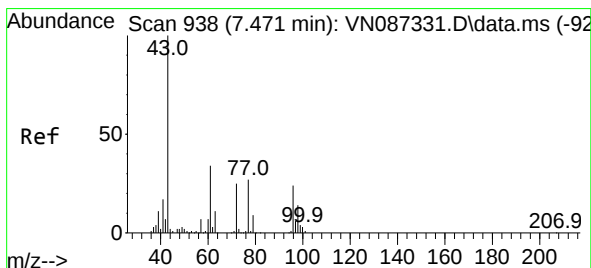
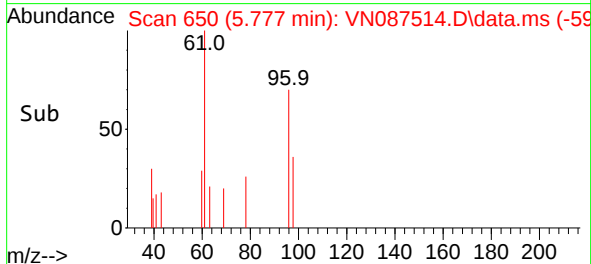
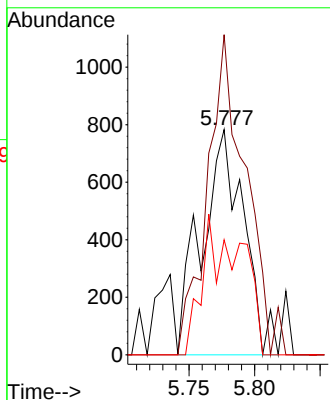
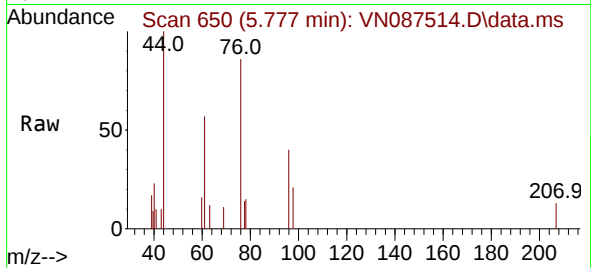




#21
trans-1,2-Dichloroethene
Concen: 0.553 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087514.D
Acq: 12 Aug 2025 15:07

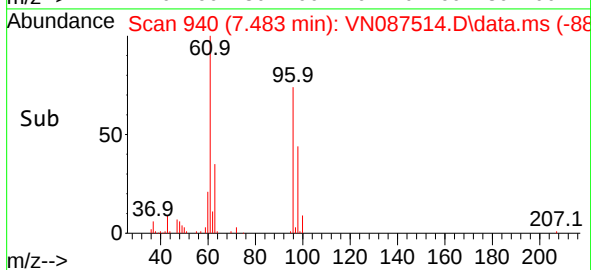
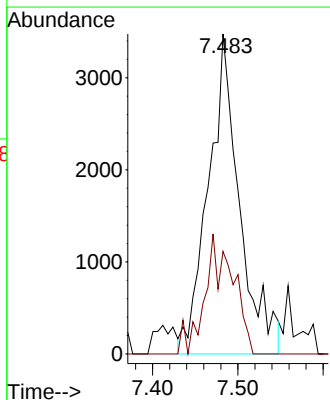
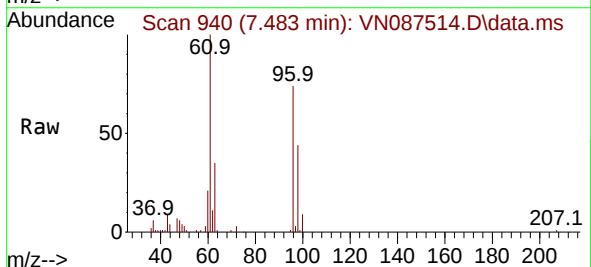
Instrument :
MSVOA_N
ClientSampleId :
1058-MW-11(15)

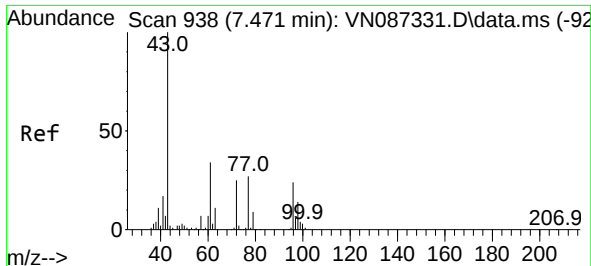
Tgt Ion: 96 Resp: 1745
Ion Ratio Lower Upper
96 100
61 142.1 122.0 183.0
98 51.1 50.0 75.0



#25
2-Butanone
Concen: 2.927 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087514.D
Acq: 12 Aug 2025 15:07

Tgt Ion: 43 Resp: 8824
Ion Ratio Lower Upper
43 100
72 33.6 19.6 29.4#

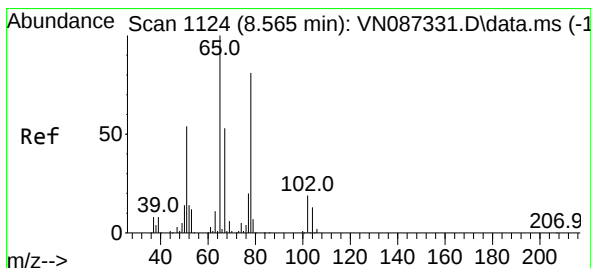
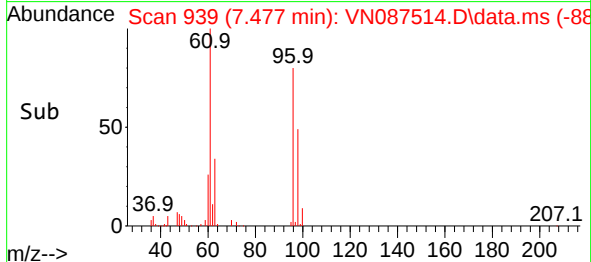
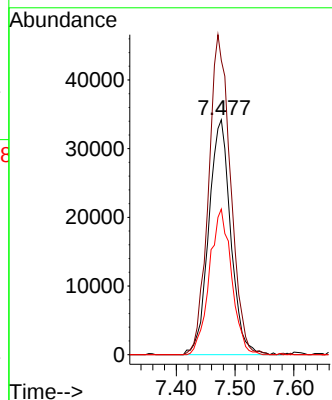
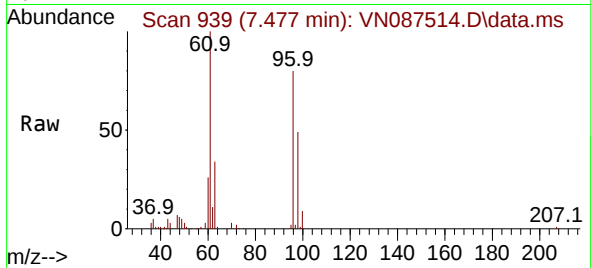




#27
 cis-1,2-Dichloroethene
 Concen: 24.405 ug/l
 RT: 7.477 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN087514.D
 Acq: 12 Aug 2025 15:07

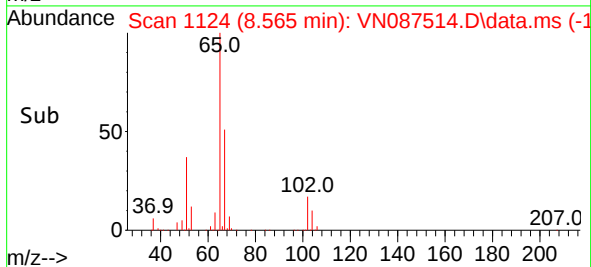
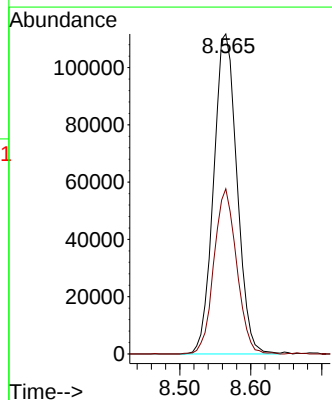
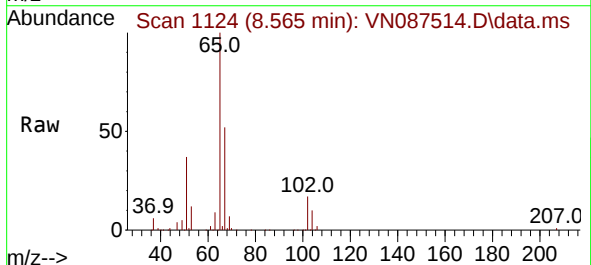
Instrument :
 MSVOA_N
 ClientSampleId :
 1058-MW-11(15)

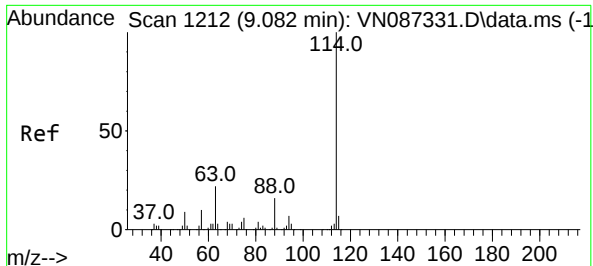
Tgt Ion: 96 Resp: 88700
 Ion Ratio Lower Upper
 96 100
 61 136.8 0.0 297.8
 98 62.6 0.0 132.4



#33
 1,2-Dichloroethane-d4
 Concen: 61.338 ug/l
 RT: 8.565 min Scan# 1124
 Delta R.T. 0.000 min
 Lab File: VN087514.D
 Acq: 12 Aug 2025 15:07

Tgt Ion: 65 Resp: 255216
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087514.D

Acq: 12 Aug 2025 15:07

Instrument :

MSVOA_N

ClientSampleId :

1058-MW-11(15)

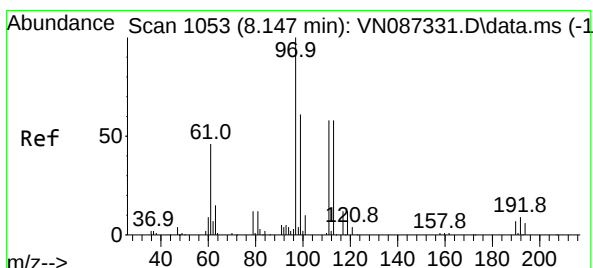
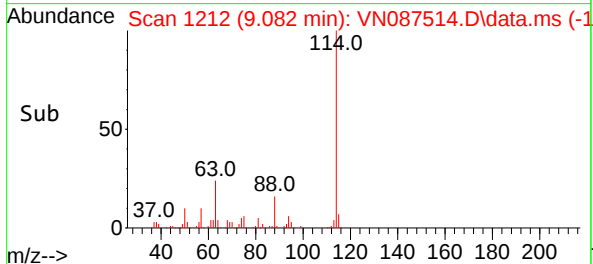
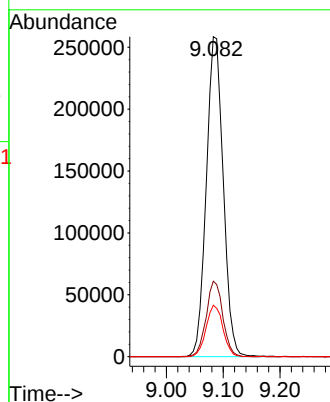
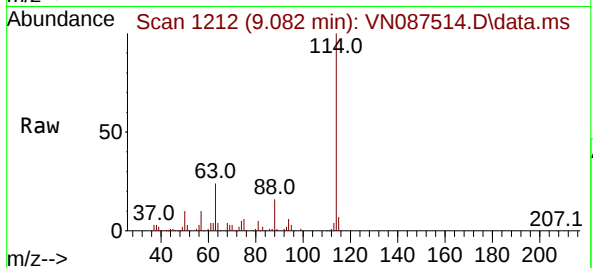
Tgt Ion:114 Resp: 533590

Ion Ratio Lower Upper

114 100

63 23.6 0.0 44.6

88 16.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.914 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087514.D

Acq: 12 Aug 2025 15:07

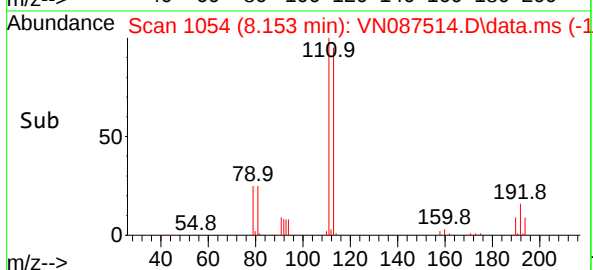
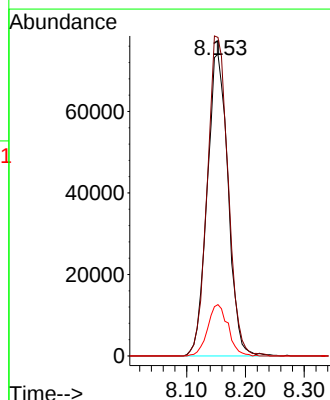
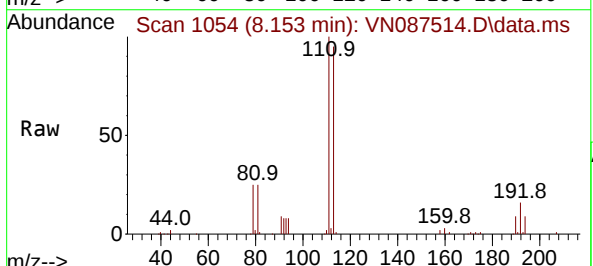
Tgt Ion:113 Resp: 183717

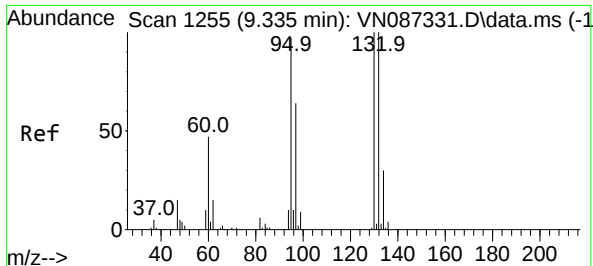
Ion Ratio Lower Upper

113 100

111 105.0 82.5 123.7

192 16.6 13.7 20.5

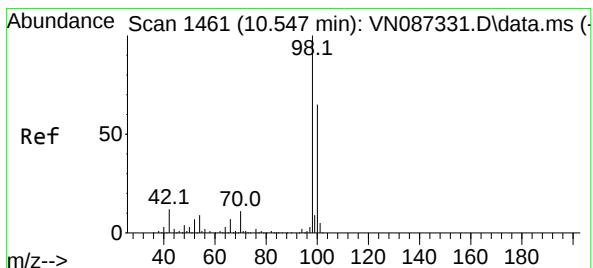
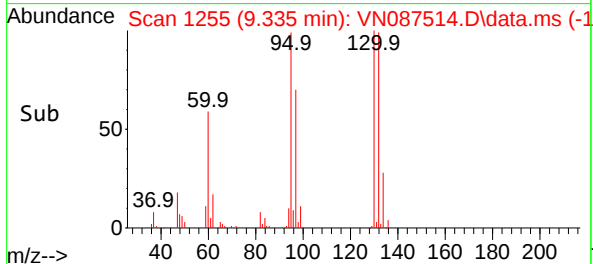
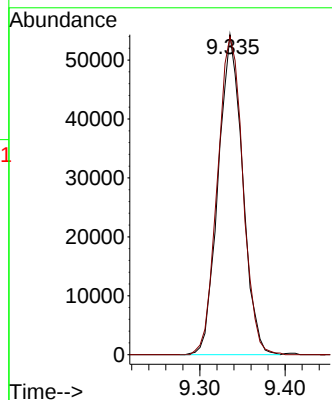
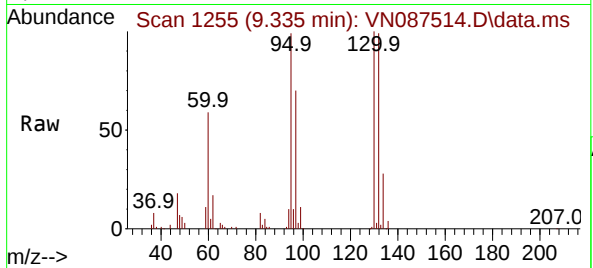




#44
Trichloroethene
Concen: 29.082 ug/l
RT: 9.335 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087514.D
Acq: 12 Aug 2025 15:07

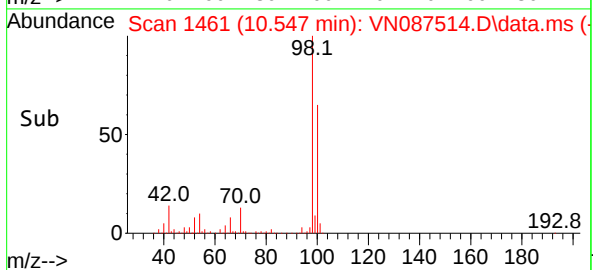
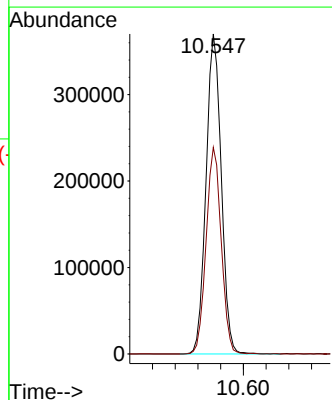
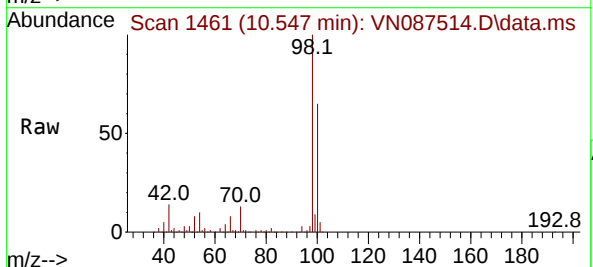
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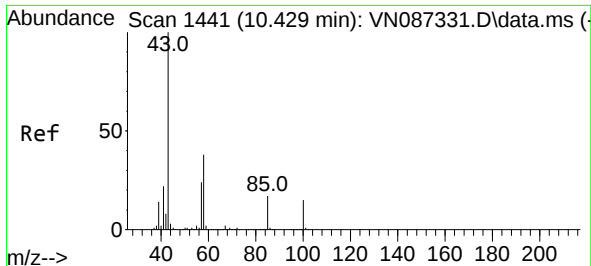
Tgt Ion:130 Resp: 108002
Ion Ratio Lower Upper
130 100
95 99.3 0.0 195.2



#50
Toluene-d8
Concen: 52.213 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087514.D
Acq: 12 Aug 2025 15:07

Tgt Ion: 98 Resp: 685529
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1

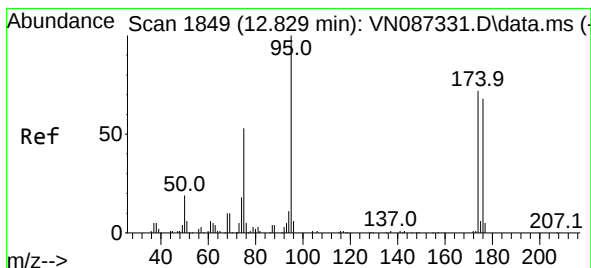
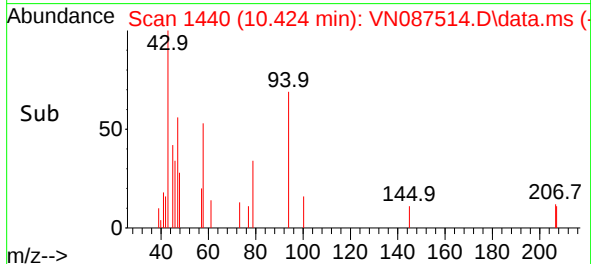
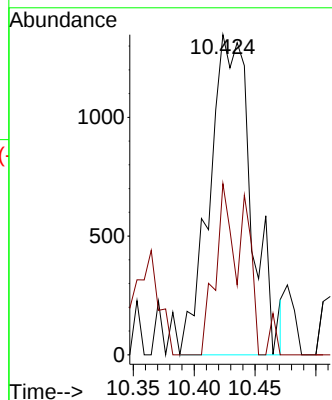
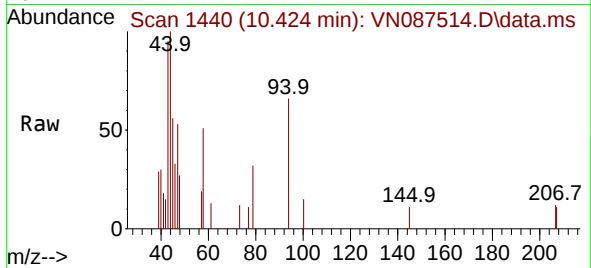




#51
4-Methyl-2-Pentanone
Concen: 0.468 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.005 min
Lab File: VN087514.D
Acq: 12 Aug 2025 15:07

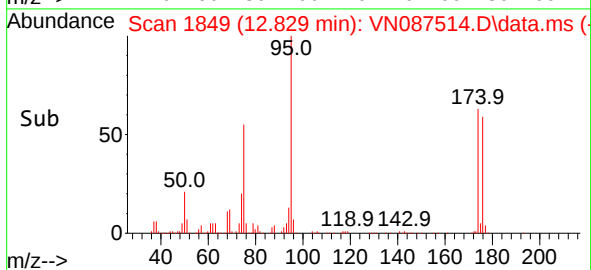
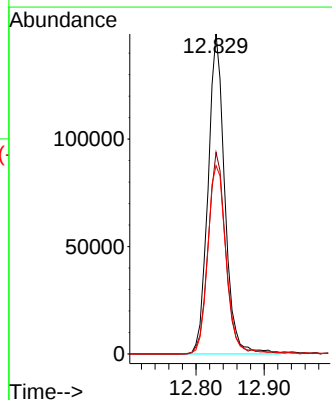
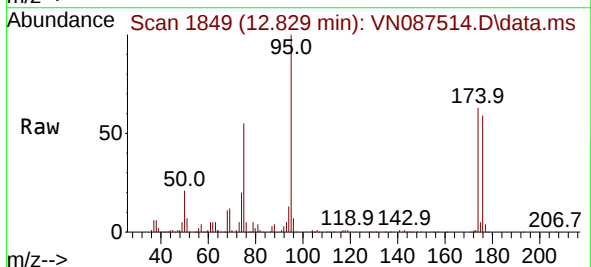
Instrument :
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1058-MW-11(15)

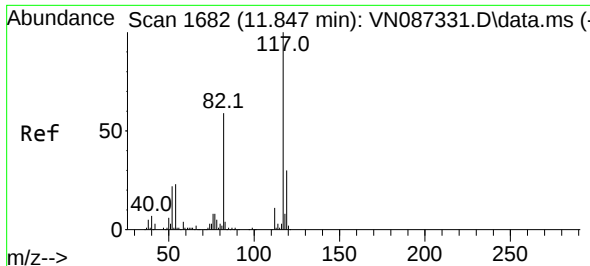
Tgt Ion: 43 Resp: 3226
Ion Ratio Lower Upper
43 100
58 23.1 30.8 46.2#



#62
4-Bromofluorobenzene
Concen: 52.360 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087514.D
Acq: 12 Aug 2025 15:07

Tgt Ion: 95 Resp: 253983
Ion Ratio Lower Upper
95 100
174 66.1 0.0 149.4
176 64.8 0.0 141.2

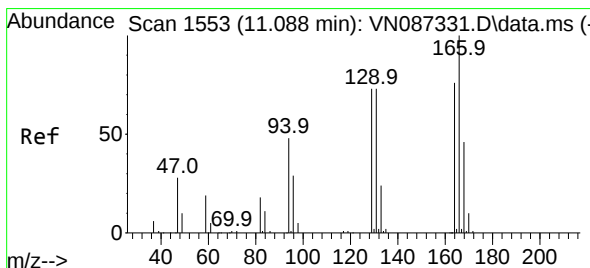
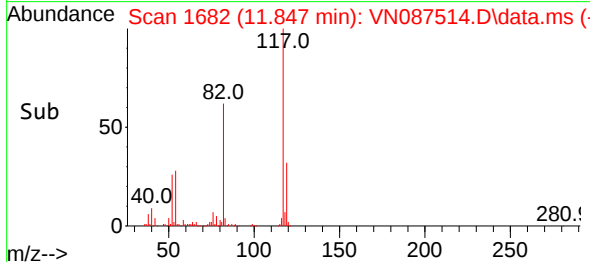
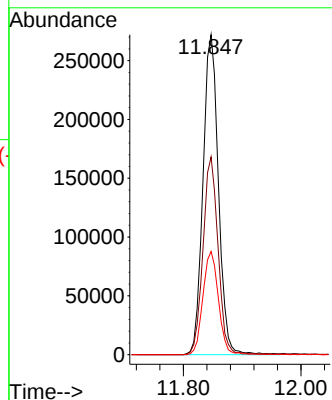
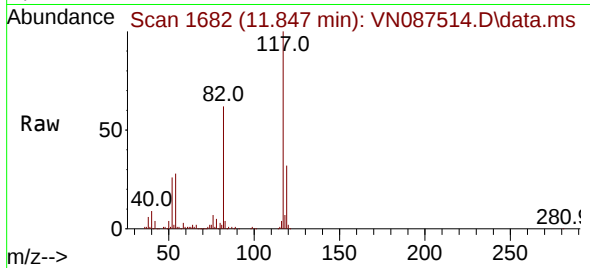




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN087514.D
Acq: 12 Aug 2025 15:07

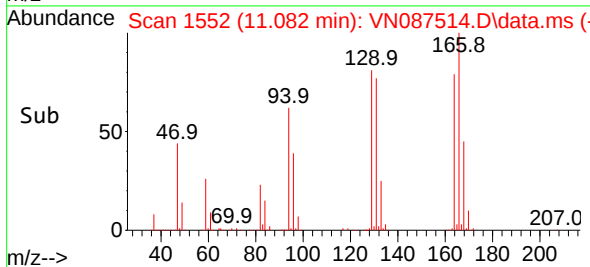
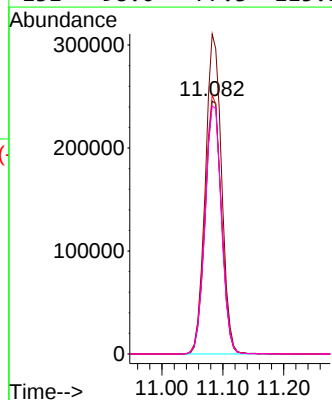
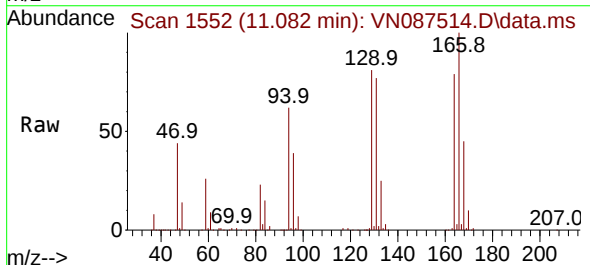
Instrument :
MSVOA_N
ClientSampleId :
1058-MW-11(15)

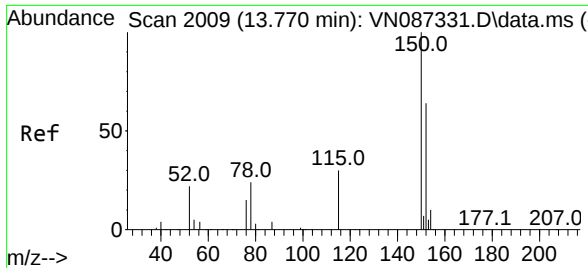
Tgt Ion:117 Resp: 497794
Ion Ratio Lower Upper
117 100
82 61.8 47.4 71.2
119 32.2 23.8 35.8



#64
Tetrachloroethene
Concen: 142.664 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087514.D
Acq: 12 Aug 2025 15:07

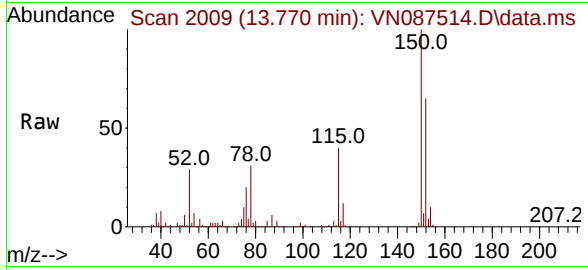
Tgt Ion:164 Resp: 457072
Ion Ratio Lower Upper
164 100
166 126.6 105.5 158.3
129 102.4 77.4 116.2
131 98.0 77.3 115.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087514.D
 Acq: 12 Aug 2025 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 1058-MW-11(15)



Tgt Ion:152 Resp: 234425
 Ion Ratio Lower Upper
 152 100
 115 64.2 31.1 93.5
 150 155.0 0.0 349.0

