

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088531.D
 Acq On : 16 Dec 2025 16:07
 Operator : JC\MD
 Sample : Q3852-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TK 9&10 12"

Quant Time: Dec 17 01:44:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

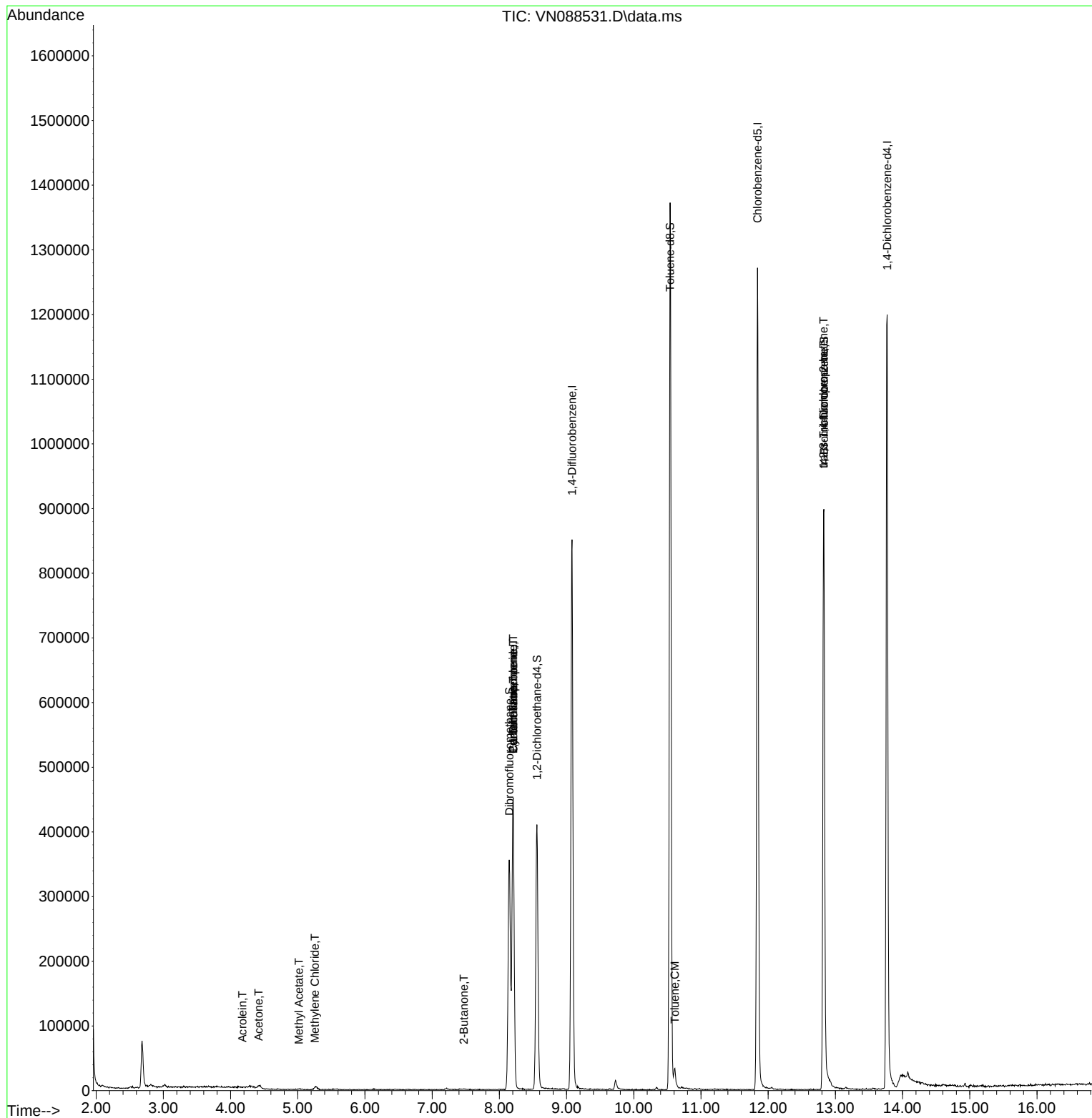
Internal Standards						
1) Pentafluorobenzene	8.206	168	300923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	700237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	708093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	340309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	350784	61.880	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 123.760%			
35) Dibromofluoromethane	8.147	113	262505	54.096	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.200%			
50) Toluene-d8	10.541	98	922343	51.084	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.829	95	355347	57.359	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.720%			
Target Compounds						
					Qvalue	
13) Acrolein	4.177	56	179	0.207	ug/l #	20
16) Acetone	4.418	43	10804	5.270	ug/l	94
18) Methyl Acetate	5.018	43	1726	0.283	ug/l	100
20) Methylene Chloride	5.253	84	1507	0.344	ug/l #	78
25) 2-Butanone	7.471	43	813	0.247	ug/l #	49
31) Cyclohexane	8.206	56	8975	1.204	ug/l #	6
36) 1,1-Dichloropropene	8.206	75	28745	3.838	ug/l #	53
38) Carbon Tetrachloride	8.206	117	35602	4.775	ug/l #	19
52) Toluene	10.612	92	12135	0.956	ug/l	97
76) 1,2,3-Trichloropropane	12.823	75	191073	23.972	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	191073	68.007	ug/l #	1

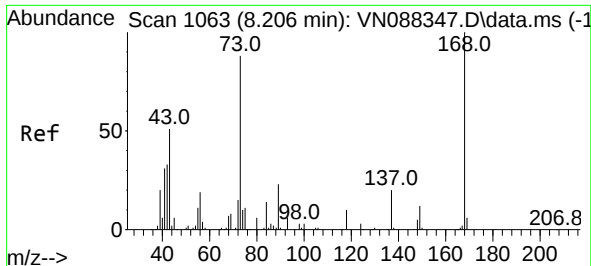
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

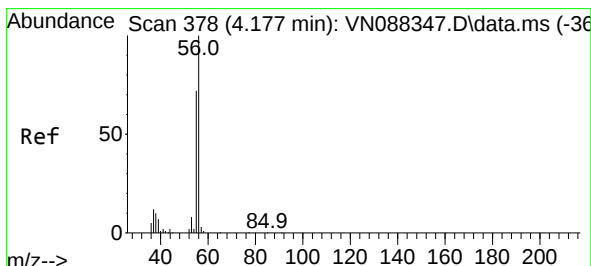
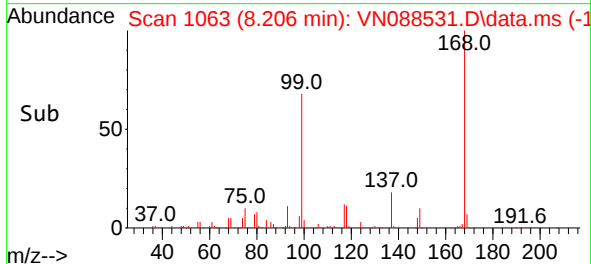
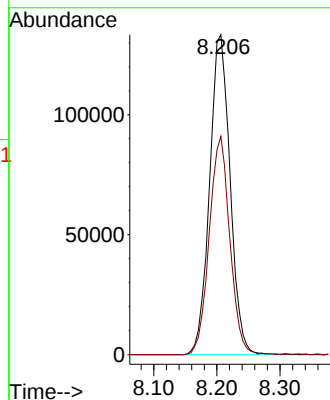
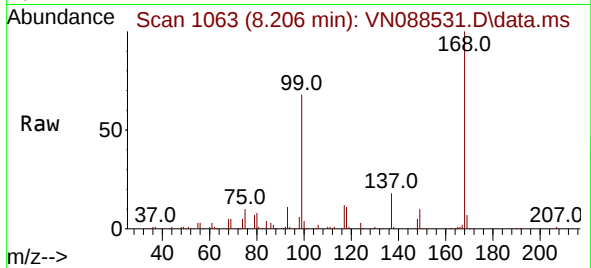




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

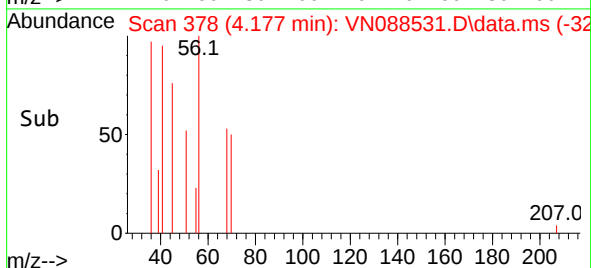
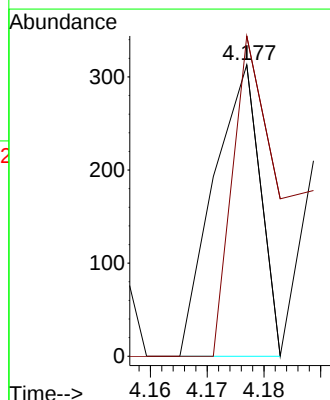
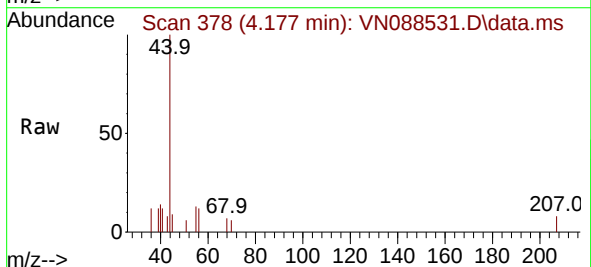
Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 12"

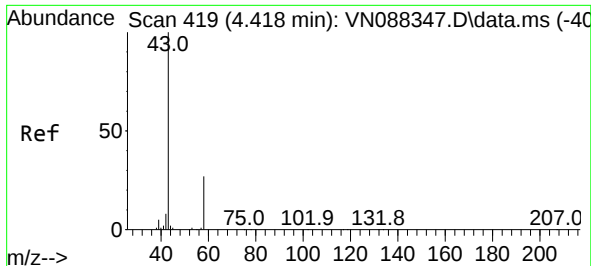
Tgt Ion:168 Resp: 300923
Ion Ratio Lower Upper
168 100
99 68.2 57.1 85.7



#13
Acrolein
Concen: 0.207 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

Tgt Ion: 56 Resp: 179
Ion Ratio Lower Upper
56 100
55 136.3 56.3 84.5#

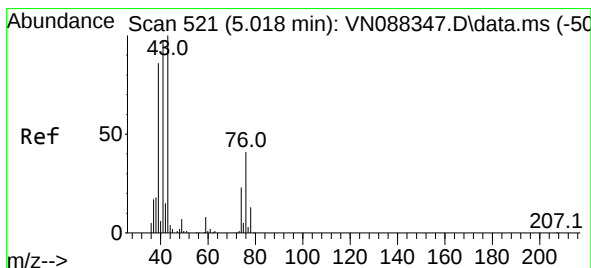
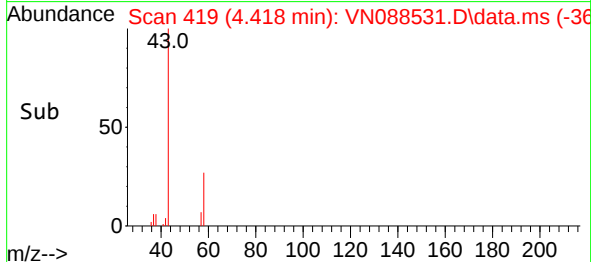
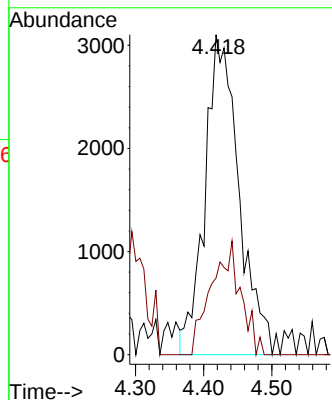
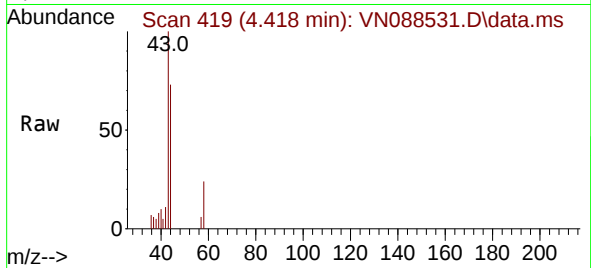




#16
Acetone
Concen: 5.270 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

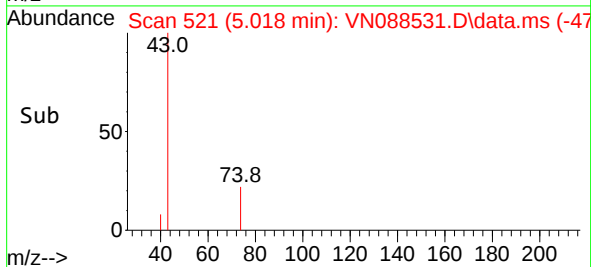
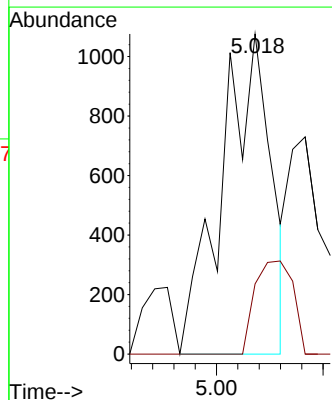
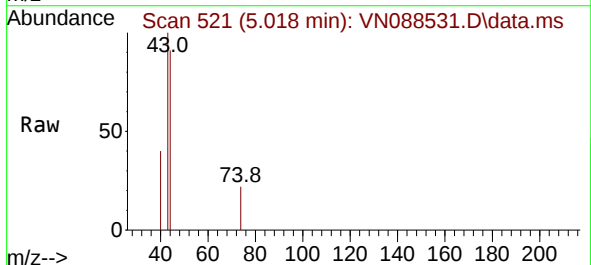
Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 12"

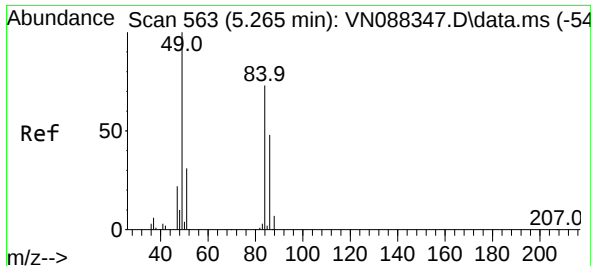
Tgt Ion: 43 Resp: 10804
Ion Ratio Lower Upper
43 100
58 24.0 21.7 32.5



#18
Methyl Acetate
Concen: 0.283 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

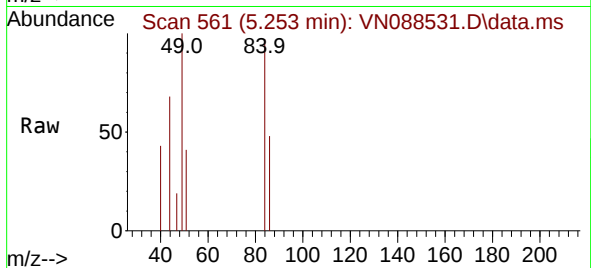
Tgt Ion: 43 Resp: 1726
Ion Ratio Lower Upper
43 100
74 22.5 17.9 26.9



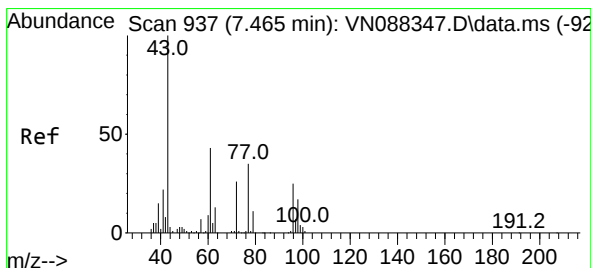
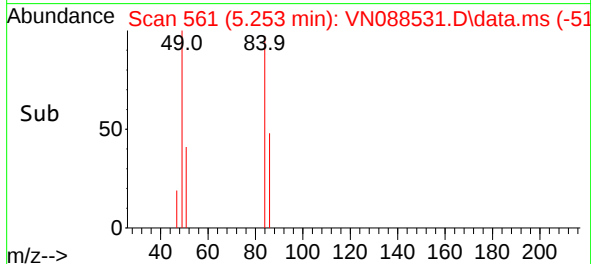
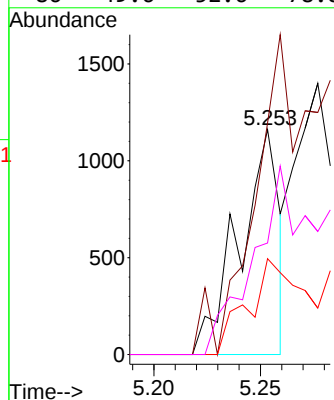


#20
Methylene Chloride
Concen: 0.344 ug/l
RT: 5.253 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 12"

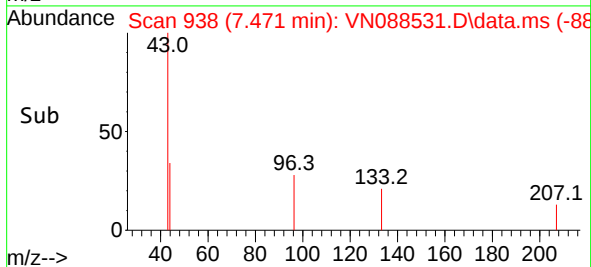
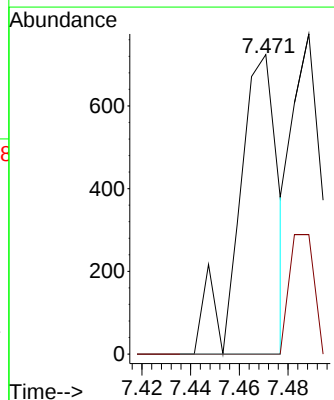
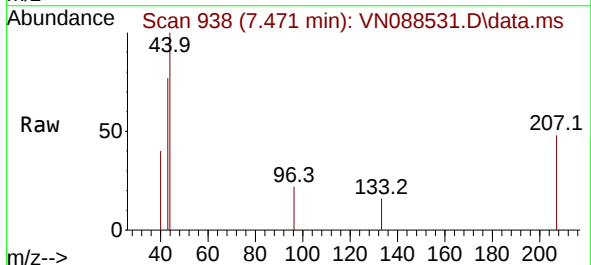


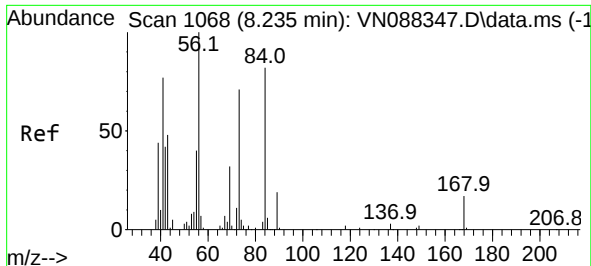
Tgt Ion: 84 Resp: 1507
Ion Ratio Lower Upper
84 100
49 102.9 110.2 165.2#
51 42.6 34.1 51.1
86 49.6 52.6 78.8#



#25
2-Butanone
Concen: 0.247 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

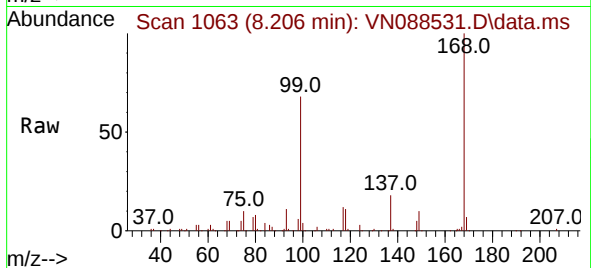
Tgt Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



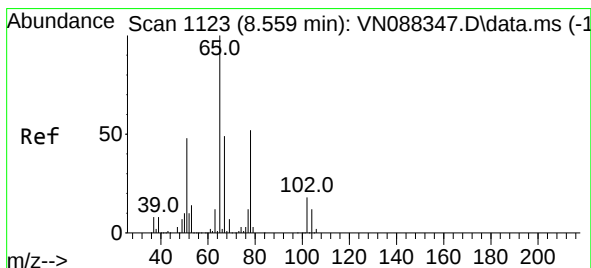
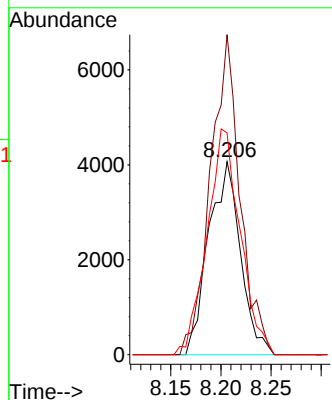
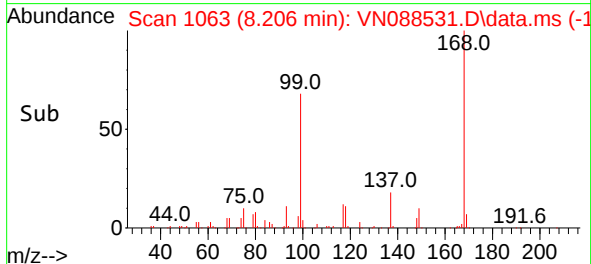


#31
Cyclohexane
Concen: 1.204 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 12"

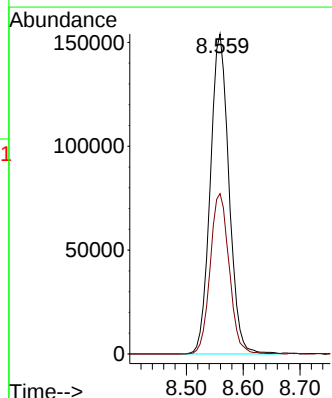
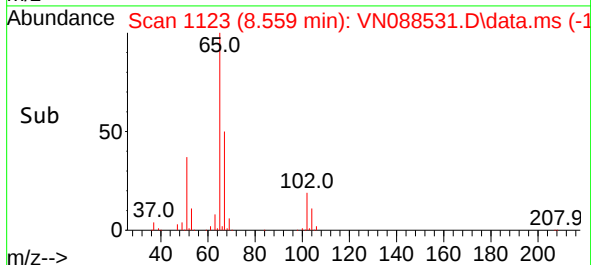
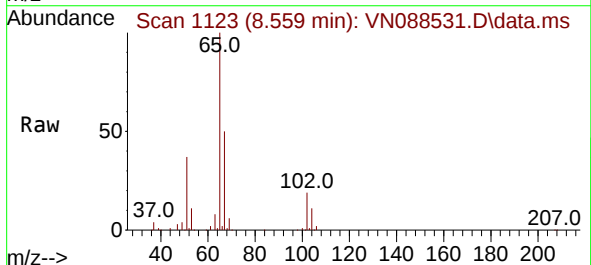


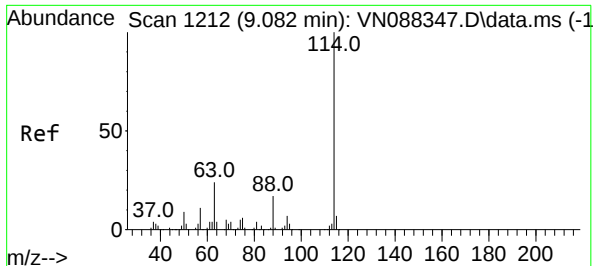
Tgt Ion: 56 Resp: 8975
Ion Ratio Lower Upper
56 100
69 165.8 25.3 37.9#
84 114.9 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 61.880 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

Tgt Ion: 65 Resp: 350784
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088531.D

Acq: 16 Dec 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

TK 9&10 12"

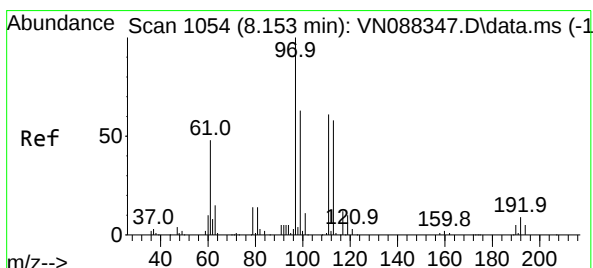
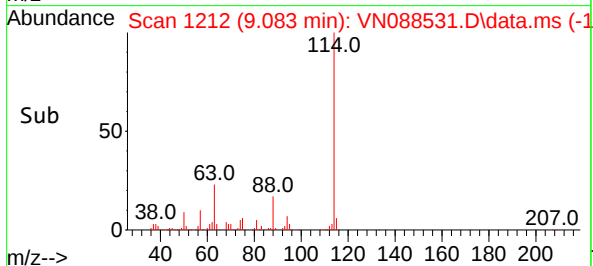
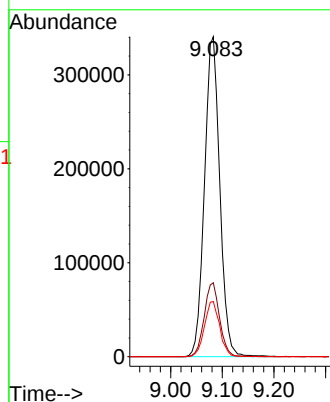
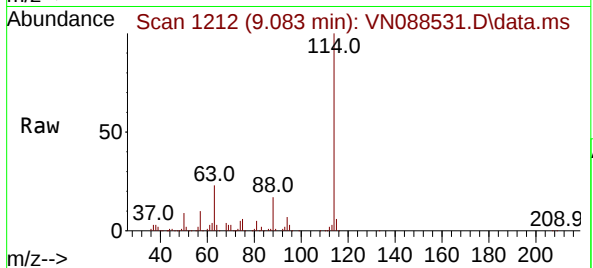
Tgt Ion:114 Resp: 700237

Ion Ratio Lower Upper

114 100

63 23.1 0.0 49.0

88 17.3 0.0 34.0



#35

Dibromofluoromethane

Concen: 54.096 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088531.D

Acq: 16 Dec 2025 16:07

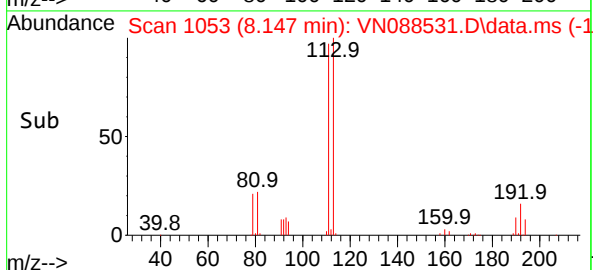
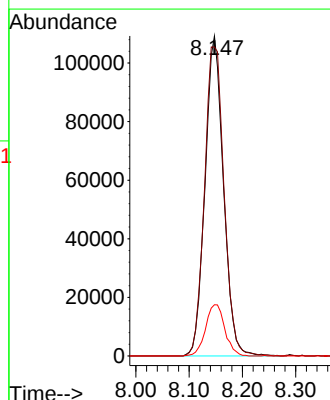
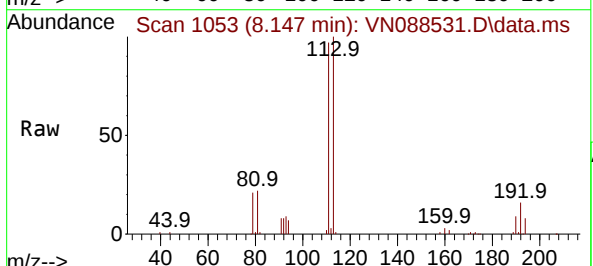
Tgt Ion:113 Resp: 262505

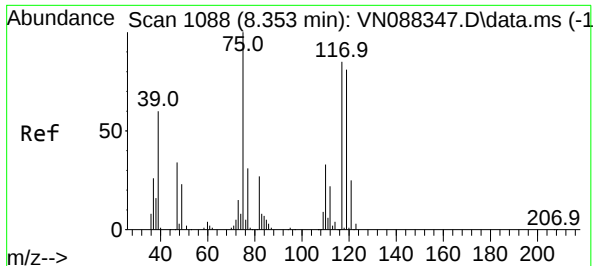
Ion Ratio Lower Upper

113 100

111 102.8 82.5 123.7

192 16.8 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.838 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088531.D

Acq: 16 Dec 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

TK 9&10 12"

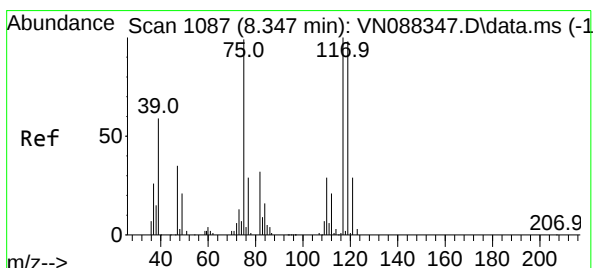
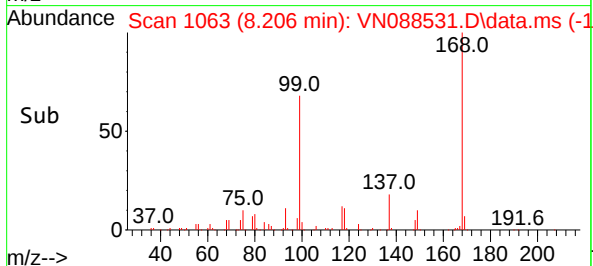
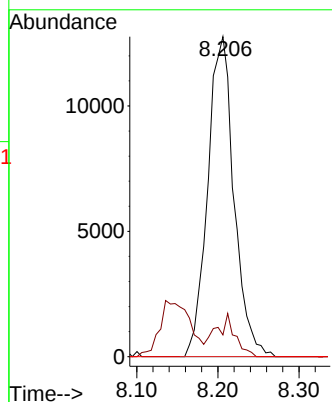
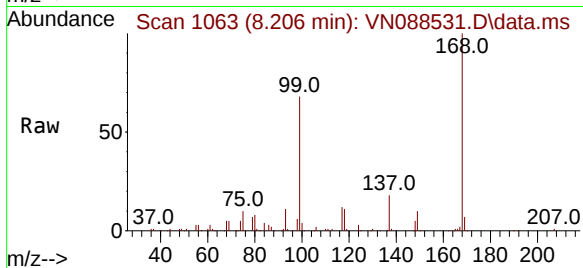
Tgt Ion: 75 Resp: 28745

Ion Ratio Lower Upper

75 100

110 9.9 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.775 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN088531.D

Acq: 16 Dec 2025 16:07

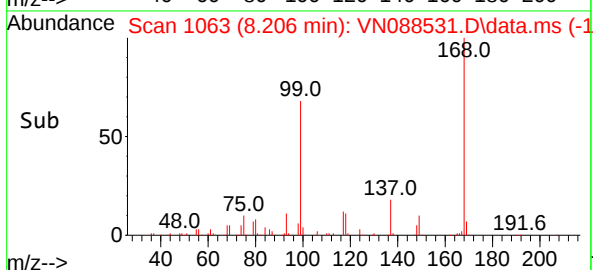
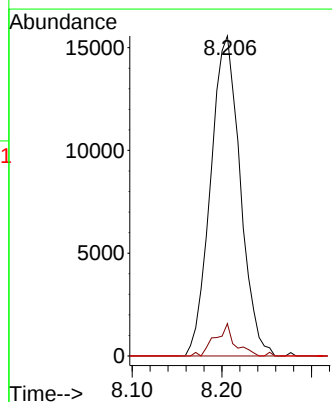
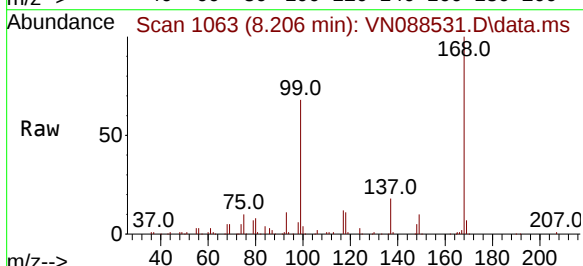
Tgt Ion: 117 Resp: 35602

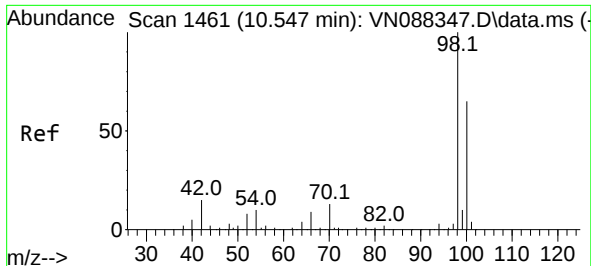
Ion Ratio Lower Upper

117 100

119 10.1 78.2 117.4#

121 0.0 23.4 35.2#

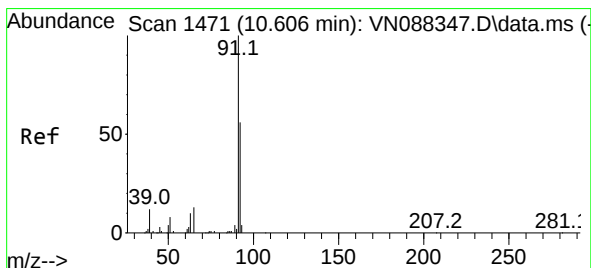
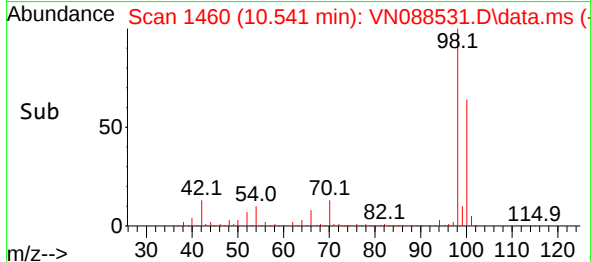
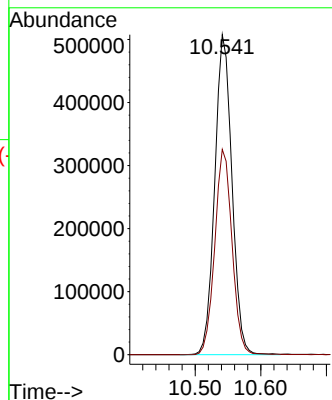
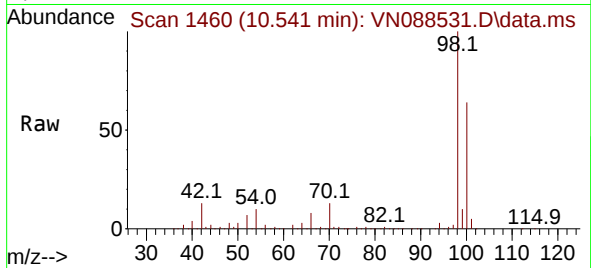




#50
Toluene-d8
Concen: 51.084 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

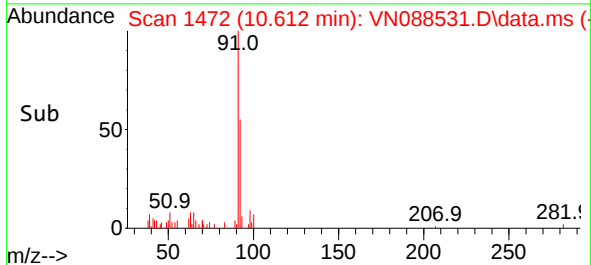
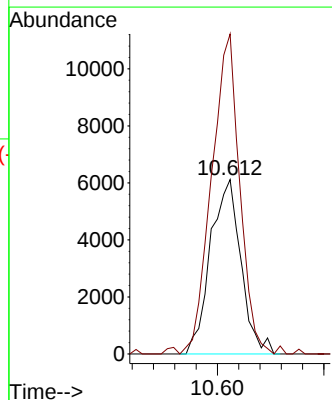
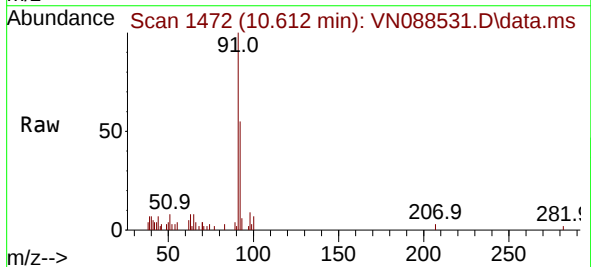
Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 12"

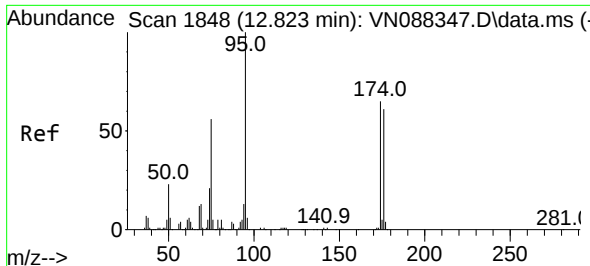
Tgt Ion: 98 Resp: 922343
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2



#52
Toluene
Concen: 0.956 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

Tgt Ion: 92 Resp: 12135
Ion Ratio Lower Upper
92 100
91 170.5 140.2 210.2

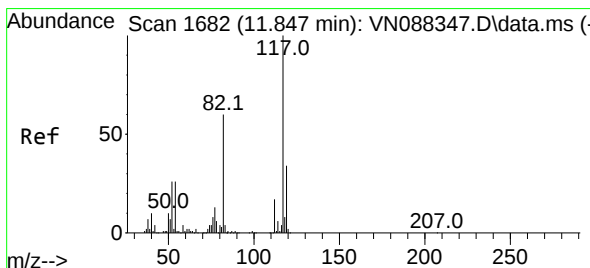
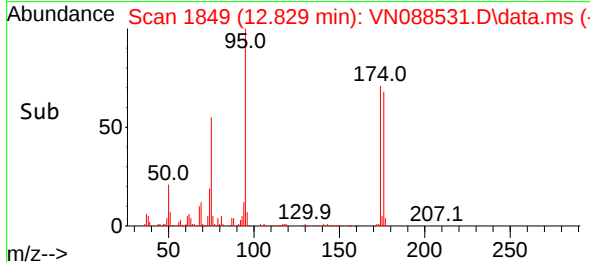
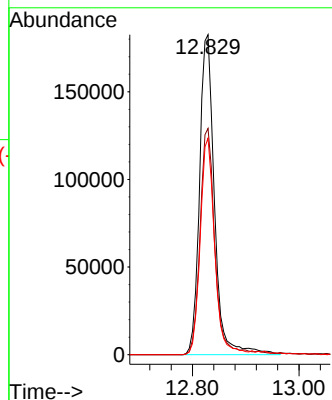
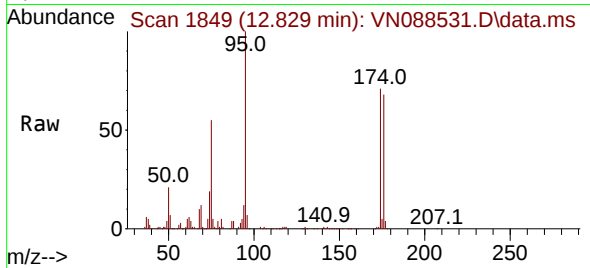




#62
4-Bromofluorobenzene
Concen: 57.359 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

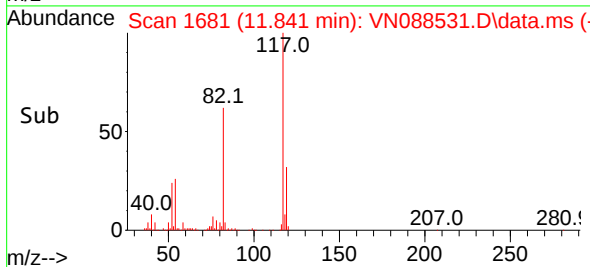
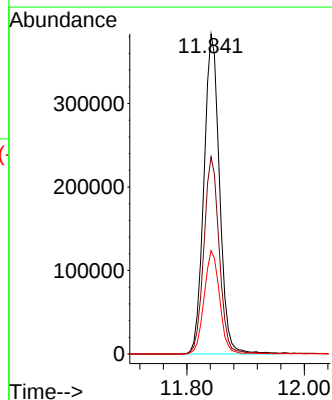
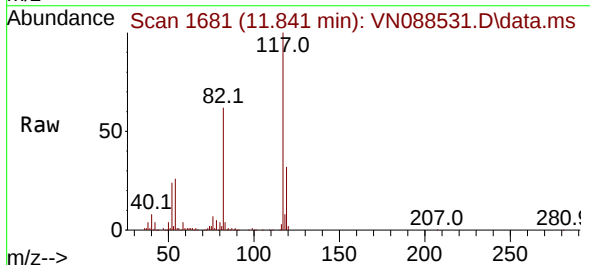
Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 12"

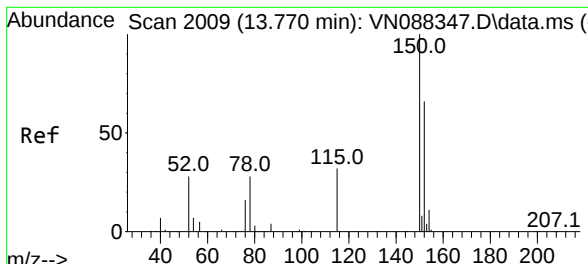
Tgt Ion: 95 Resp: 355347
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.0
176 65.2 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

Tgt Ion: 117 Resp: 708093
Ion Ratio Lower Upper
117 100
82 61.6 47.8 71.8
119 32.3 26.9 40.3

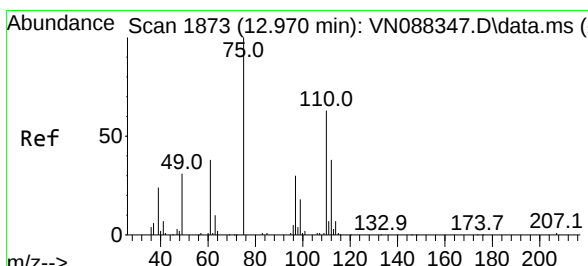
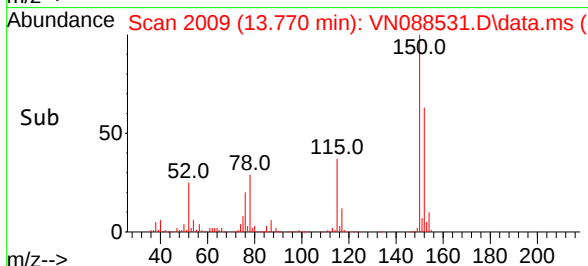
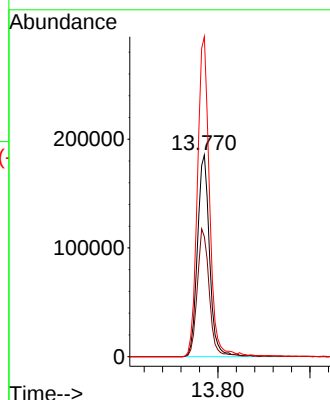
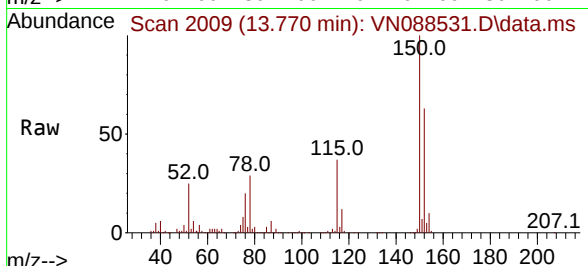




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088531.D
 Acq: 16 Dec 2025 16:07

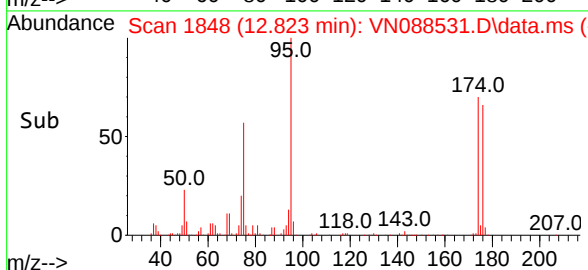
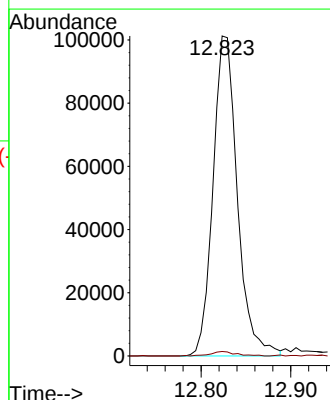
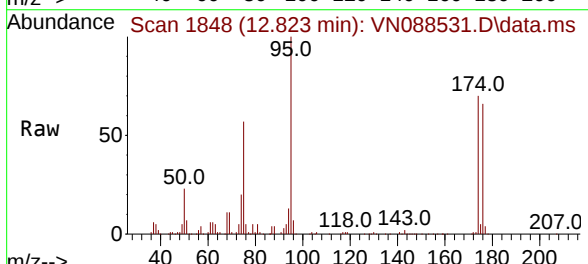
Instrument :
 MSVOA_N
 ClientSampleId :
 TK 9&10 12"

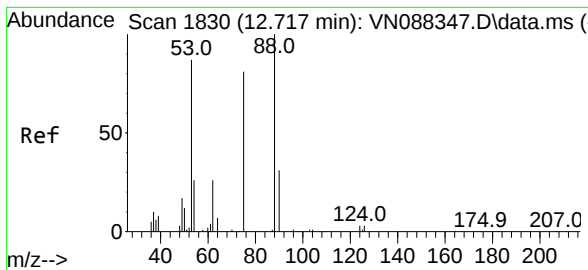
Tgt Ion:152 Resp: 340309
 Ion Ratio Lower Upper
 152 100
 115 62.1 33.0 98.9
 150 157.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 23.972 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. -0.147 min
 Lab File: VN088531.D
 Acq: 16 Dec 2025 16:07

Tgt Ion: 75 Resp: 191073
 Ion Ratio Lower Upper
 75 100
 77 1.5 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.007 ug/l
 RT: 12.823 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN088531.D
 Acq: 16 Dec 2025 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 TK 9&10 12"

Tgt Ion: 75 Resp: 191073
 Ion Ratio Lower Upper
 75 100
 53 0.2 92.2 138.4#
 89 0.0 0.0 0.0

