

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088425.D
 Acq On : 03 Dec 2025 13:53
 Operator : JC\MD
 Sample : Q3756-03 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BR-01-190-120225

Quant Time: Dec 04 00:18:35 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	174817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	411266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	398817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	182896	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	198155	60.171	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	120.340%
35) Dibromofluoromethane	8.147	113	146765	51.495	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.000%
50) Toluene-d8	10.541	98	501799	47.320	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.640%
62) 4-Bromofluorobenzene	12.829	95	177307	48.730	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.460%

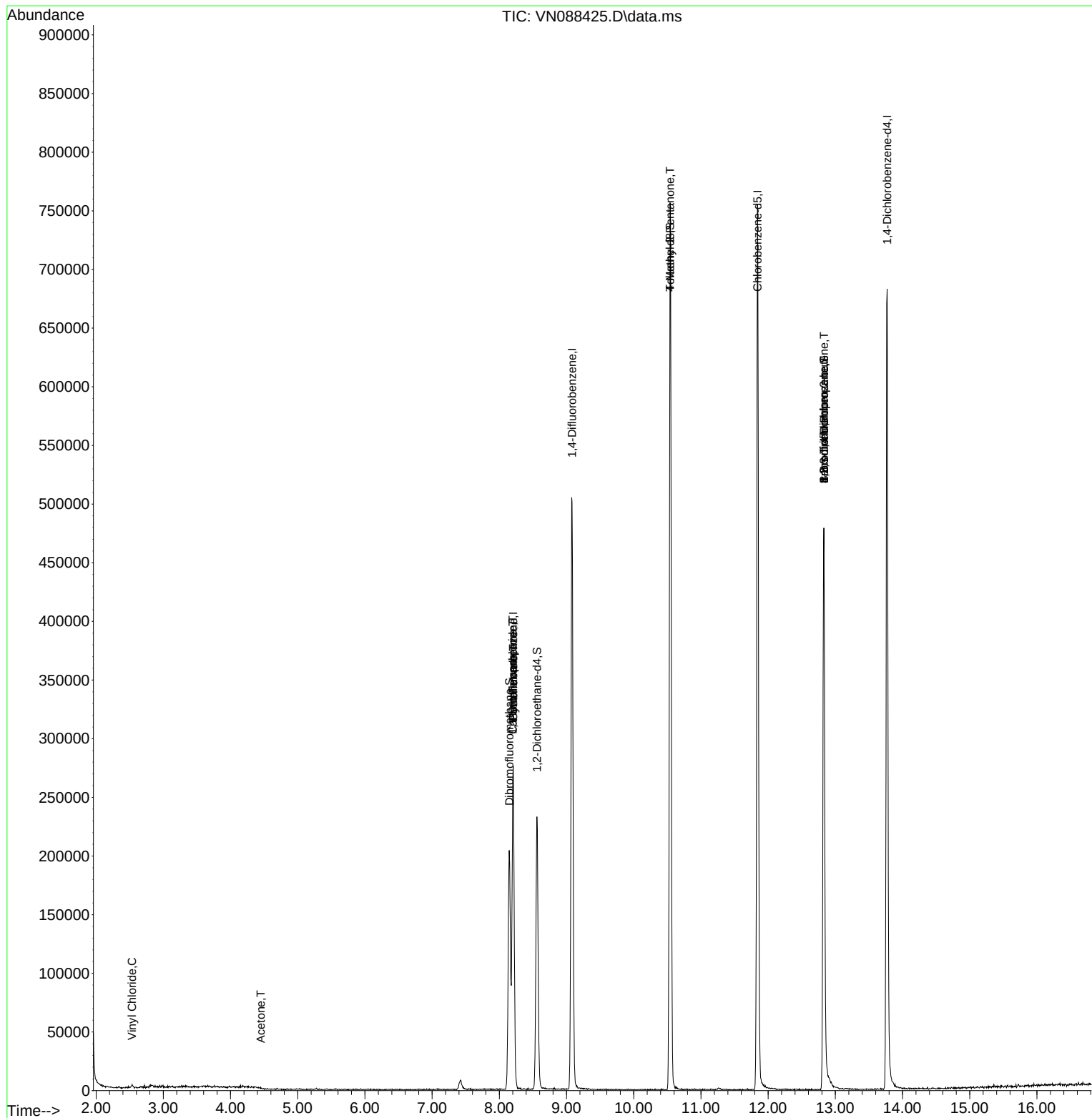
Target Compounds					Qvalue	
4) Vinyl Chloride	2.536	62	912	0.318	ug/l #	61
16) Acetone	4.448	43	1059	0.889	ug/l #	48
31) Cyclohexane	8.206	56	6022	1.390	ug/l #	31
36) 1,1-Dichloropropene	8.200	75	19370	4.404	ug/l #	50
38) Carbon Tetrachloride	8.200	117	19819	4.526	ug/l #	15
51) 4-Methyl-2-Pentanone	10.541	43	2846	0.546	ug/l #	1
71) Bromoform	12.829	173	1850	0.836	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	104438	24.380	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	104438	69.165	ug/l #	1

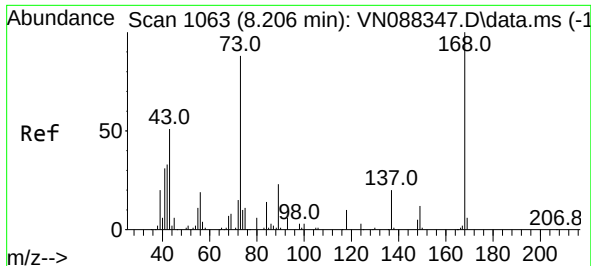
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
Data File : VN088425.D
Acq On : 03 Dec 2025 13:53
Operator : JC\MD
Sample : Q3756-03 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BR-01-190-120225

Quant Time: Dec 04 00:18:35 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

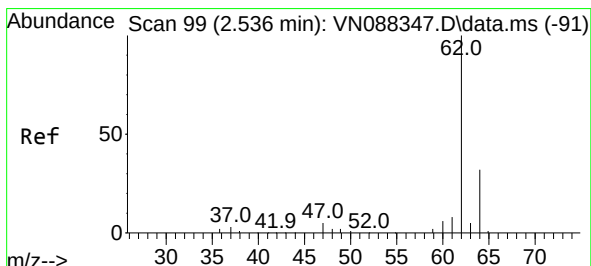
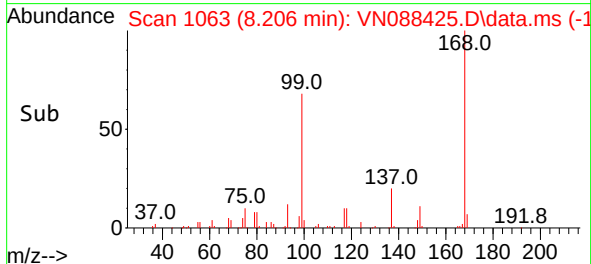
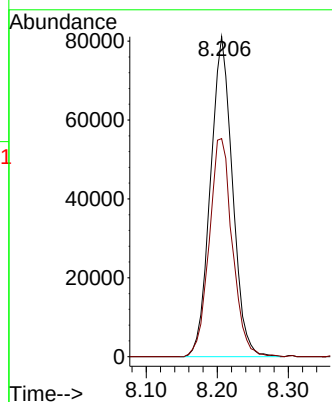
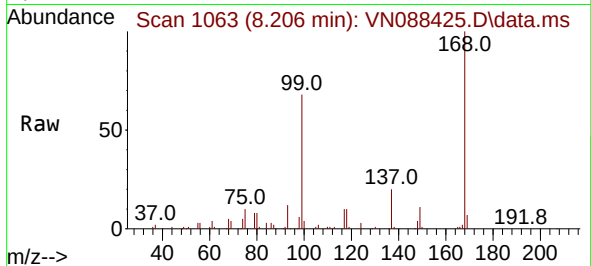




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088425.D
Acq: 03 Dec 2025 13:53

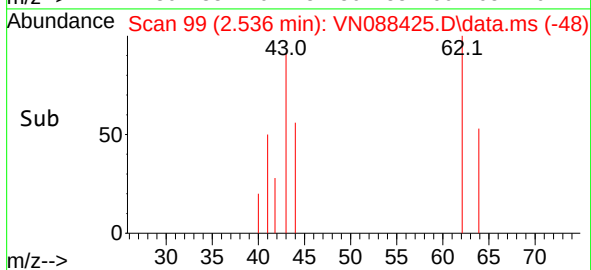
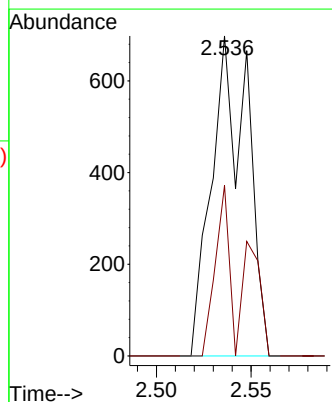
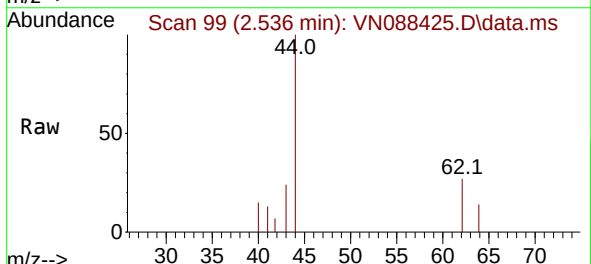
Instrument :
MSVOA_N
ClientSampleId :
BR-01-190-120225

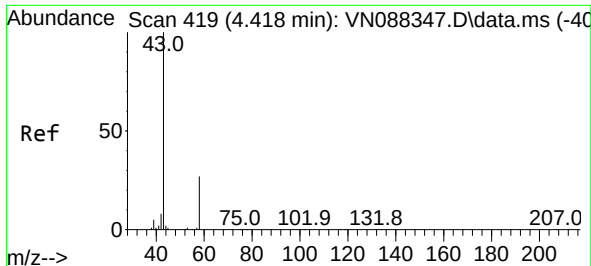
Tgt Ion:168 Resp: 174817
Ion Ratio Lower Upper
168 100
99 68.2 57.1 85.7



#4
Vinyl Chloride
Concen: 0.318 ug/l
RT: 2.536 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN088425.D
Acq: 03 Dec 2025 13:53

Tgt Ion: 62 Resp: 912
Ion Ratio Lower Upper
62 100
64 53.3 25.4 38.2#

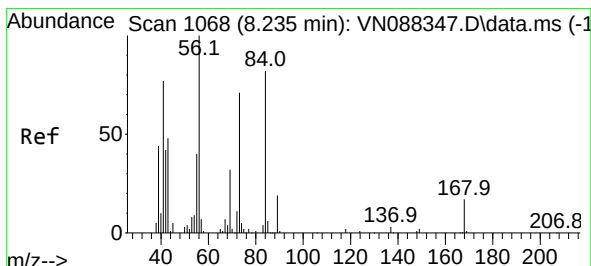
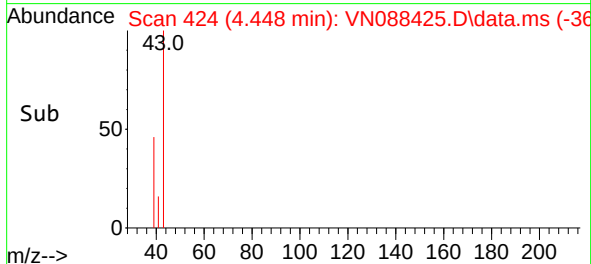
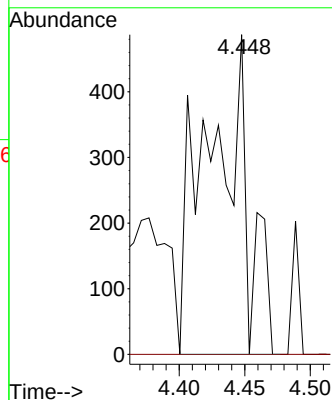
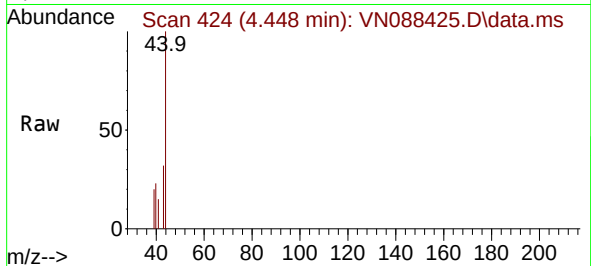




#16
Acetone
Concen: 0.889 ug/l
RT: 4.448 min Scan# 419
Delta R.T. 0.030 min
Lab File: VN088425.D
Acq: 03 Dec 2025 13:53

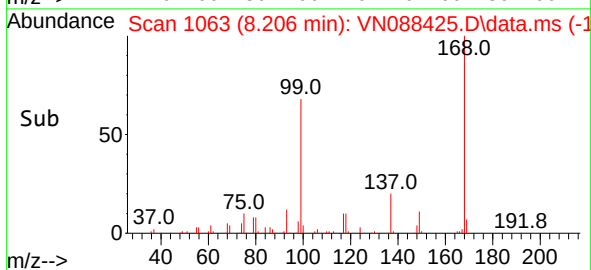
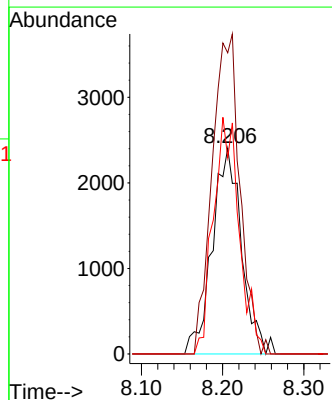
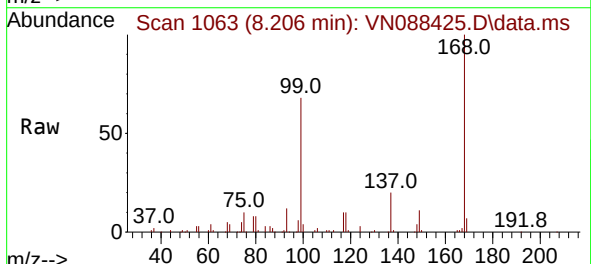
Instrument :
MSVOA_N
ClientSampleId :
BR-01-190-120225

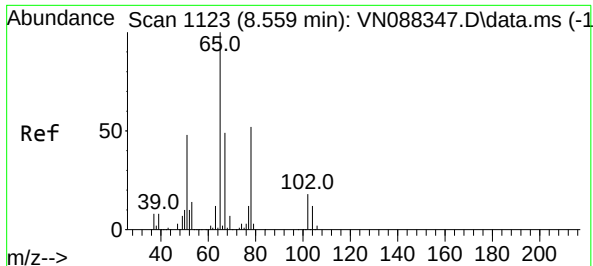
Tgt Ion: 43 Resp: 1059
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 1.390 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088425.D
Acq: 03 Dec 2025 13:53

Tgt Ion: 56 Resp: 6022
Ion Ratio Lower Upper
56 100
69 146.4 25.3 37.9#
84 95.3 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 60.171 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088425.D

Acq: 03 Dec 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

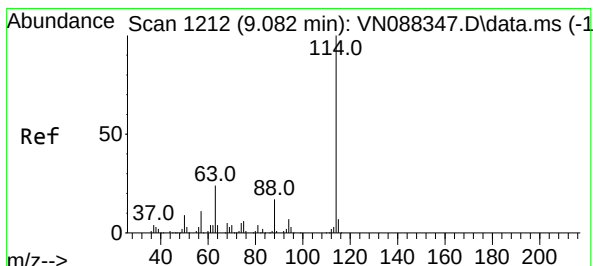
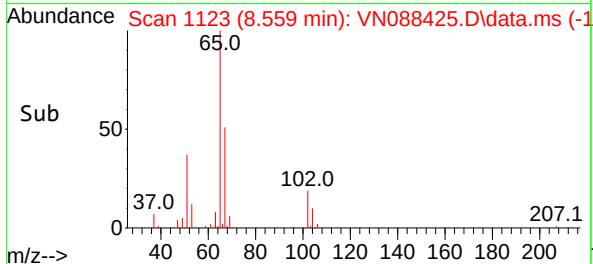
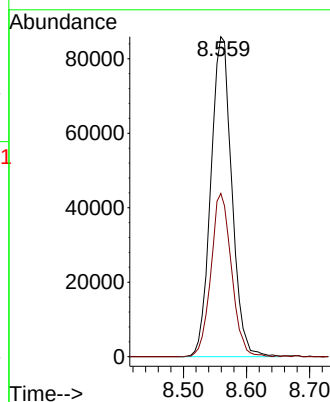
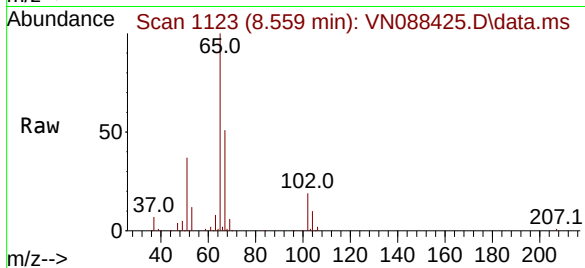
BR-01-190-120225

Tgt Ion: 65 Resp: 198155

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088425.D

Acq: 03 Dec 2025 13:53

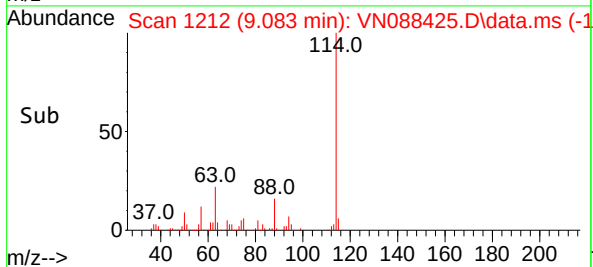
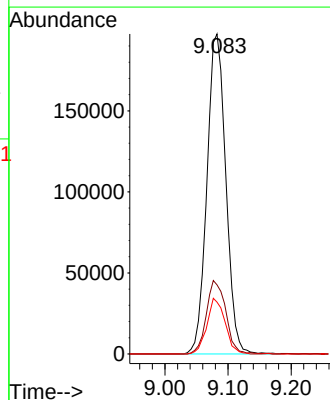
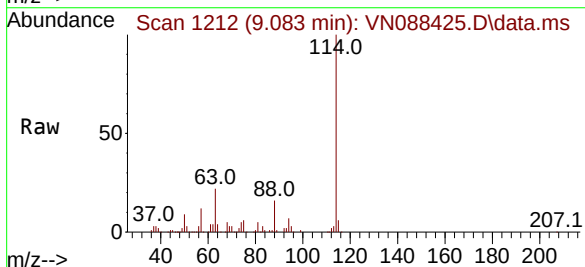
Tgt Ion: 114 Resp: 411266

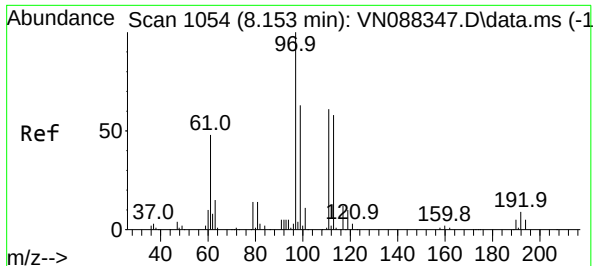
Ion Ratio Lower Upper

114 100

63 21.6 0.0 49.0

88 16.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 51.495 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088425.D

Acq: 03 Dec 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

BR-01-190-120225

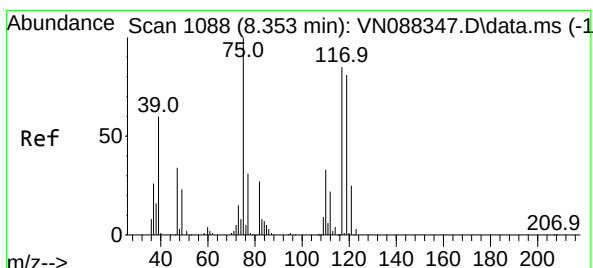
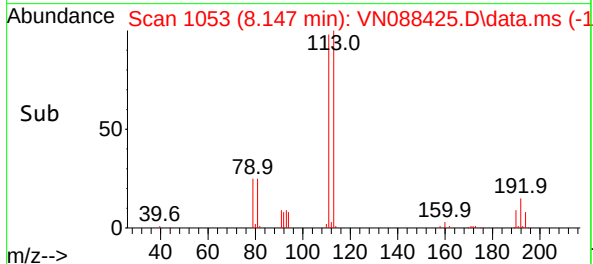
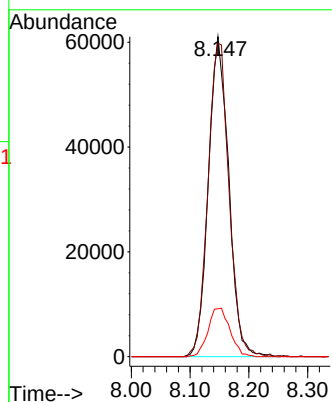
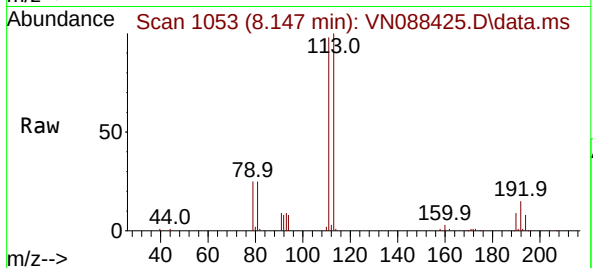
Tgt Ion:113 Resp: 146765

Ion Ratio Lower Upper

113 100

111 101.0 82.5 123.7

192 16.4 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.404 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088425.D

Acq: 03 Dec 2025 13:53

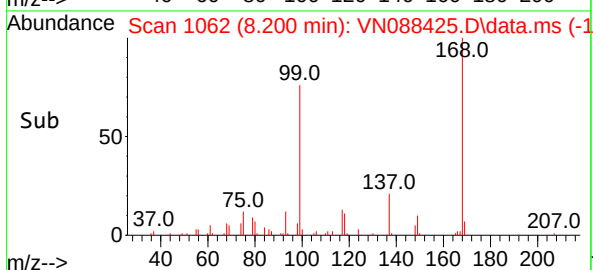
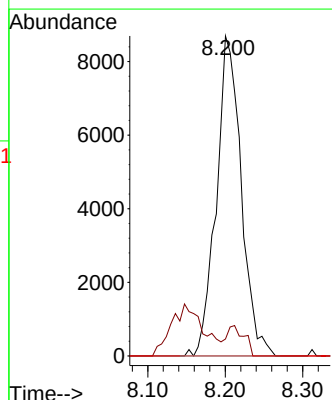
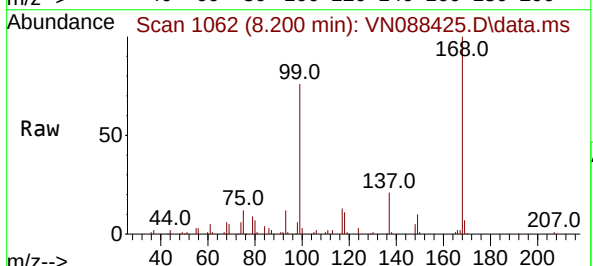
Tgt Ion: 75 Resp: 19370

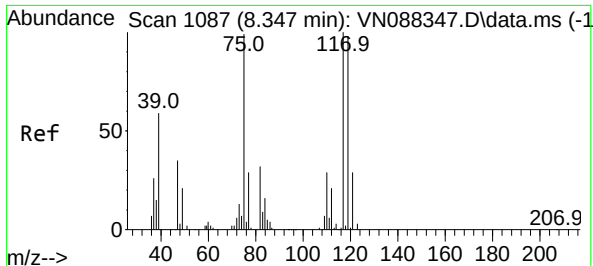
Ion Ratio Lower Upper

75 100

110 6.8 15.8 47.4#

77 0.0 24.2 36.2#

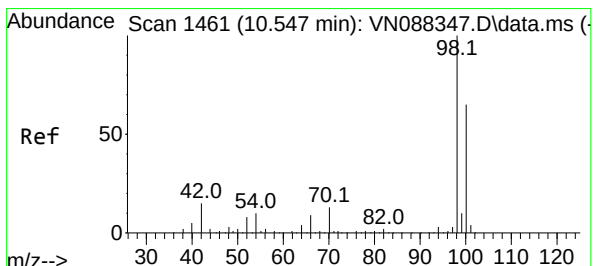
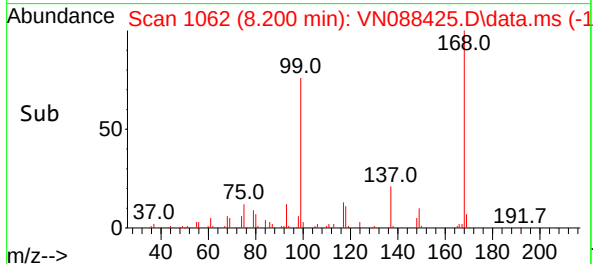
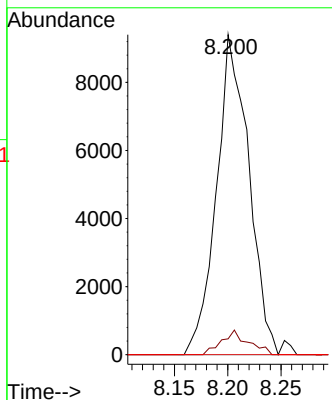
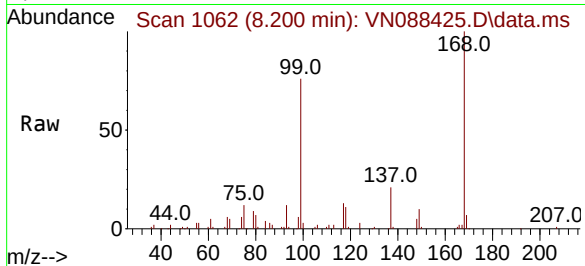




#38
Carbon Tetrachloride
Concen: 4.526 ug/l
RT: 8.200 min Scan# 1087
Delta R.T. -0.147 min
Lab File: VN088425.D
Acq: 03 Dec 2025 13:53

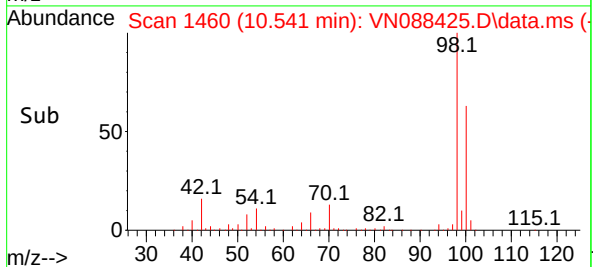
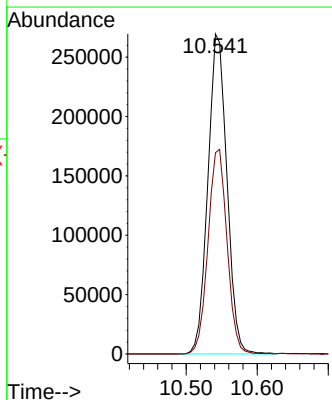
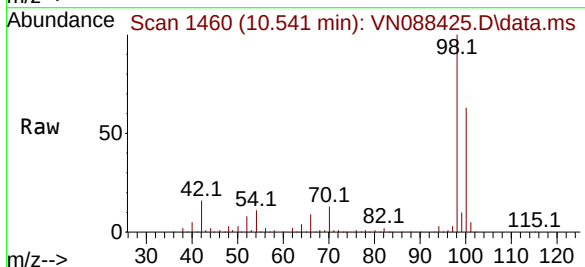
Instrument :
MSVOA_N
ClientSampleId :
BR-01-190-120225

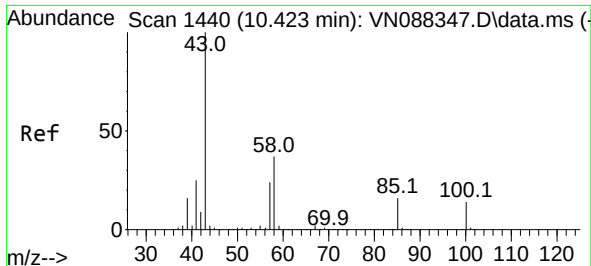
Tgt Ion:117 Resp: 19819
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.4#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 47.320 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088425.D
Acq: 03 Dec 2025 13:53

Tgt Ion: 98 Resp: 501799
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2

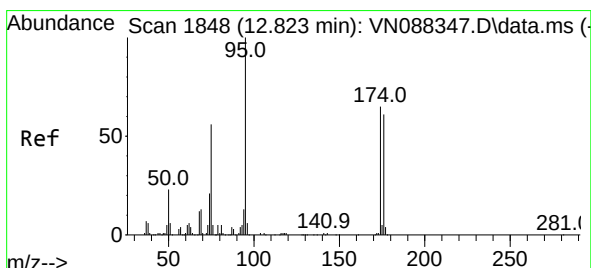
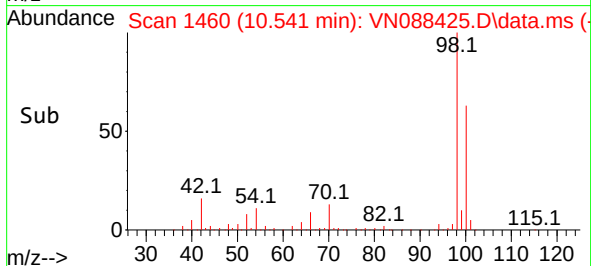
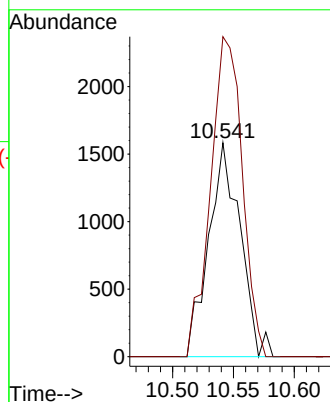
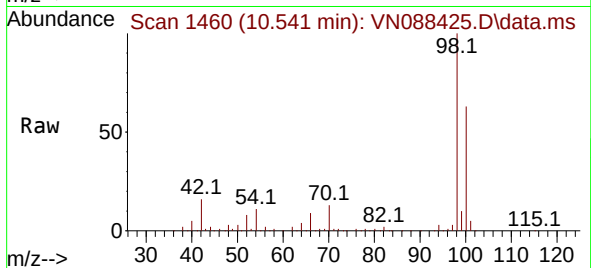




#51
4-Methyl-2-Pentanone
Concen: 0.546 ug/l
RT: 10.541 min Scan# 1440
Delta R.T. 0.118 min
Lab File: VN088425.D
Acq: 03 Dec 2025 13:53

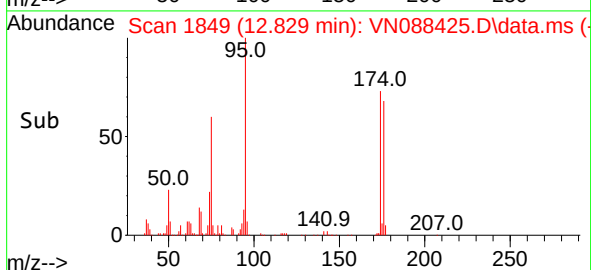
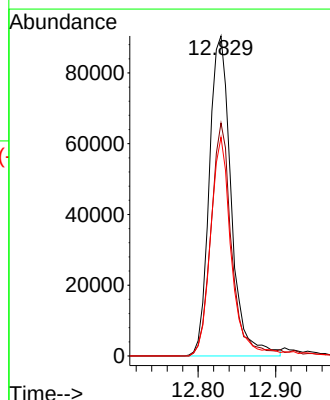
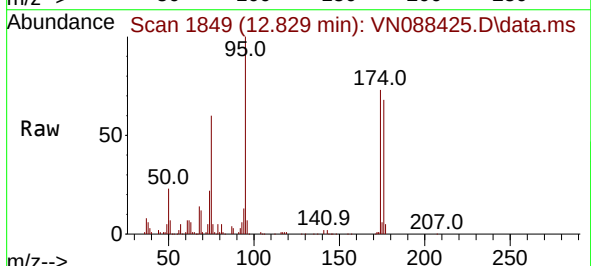
Instrument :
MSVOA_N
ClientSampleId :
BR-01-190-120225

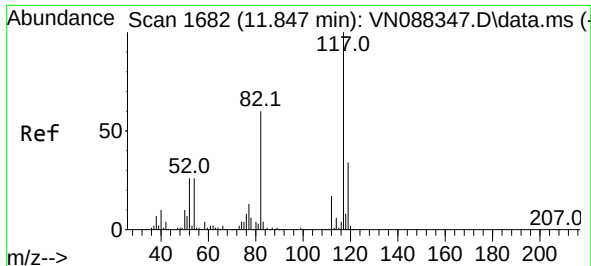
Tgt Ion: 43 Resp: 2846
Ion Ratio Lower Upper
43 100
58 151.4 29.1 43.7#



#62
4-Bromofluorobenzene
Concen: 48.730 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088425.D
Acq: 03 Dec 2025 13:53

Tgt Ion: 95 Resp: 177307
Ion Ratio Lower Upper
95 100
174 69.5 0.0 139.0
176 66.5 0.0 132.4

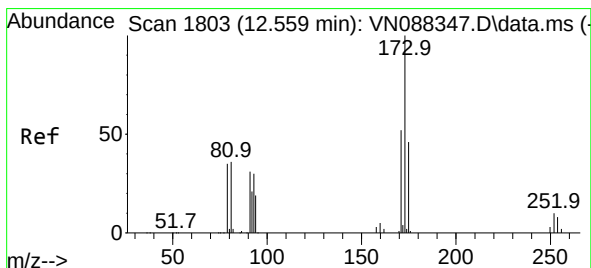
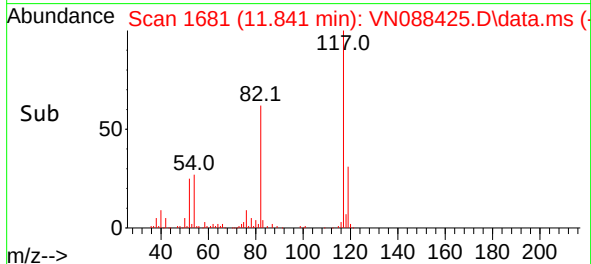
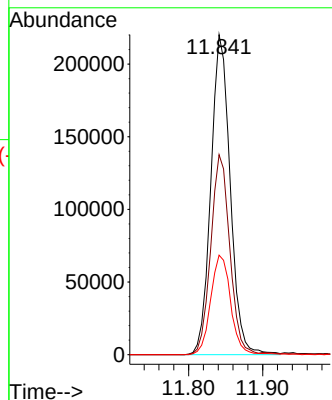
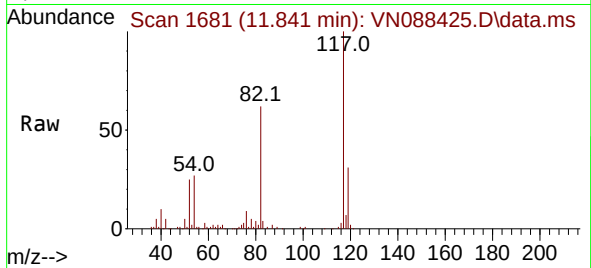




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088425.D
Acq: 03 Dec 2025 13:53

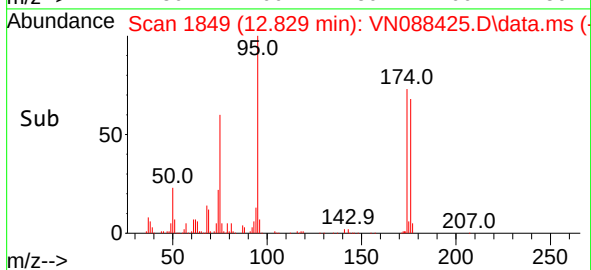
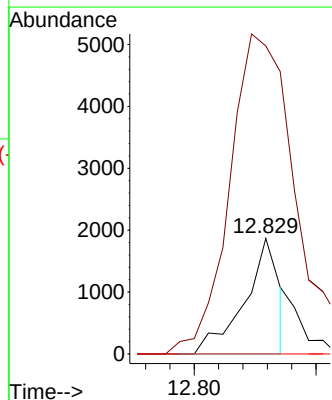
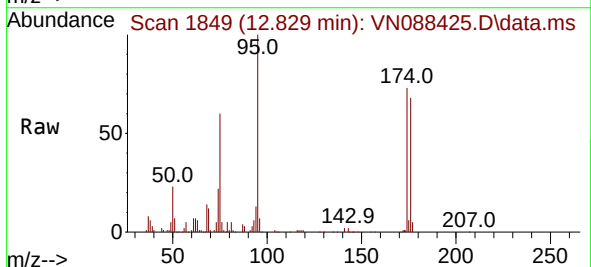
Instrument :
MSVOA_N
ClientSampleId :
BR-01-190-120225

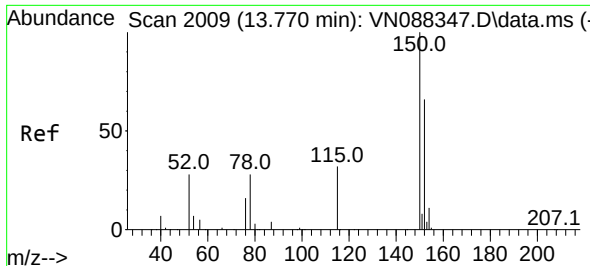
Tgt Ion:117 Resp: 398817
Ion Ratio Lower Upper
117 100
82 62.5 47.8 71.8
119 31.1 26.9 40.3



#71
Bromoform
Concen: 0.836 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.271 min
Lab File: VN088425.D
Acq: 03 Dec 2025 13:53

Tgt Ion:173 Resp: 1850
Ion Ratio Lower Upper
173 100
175 412.2 23.9 71.8#
254 0.0 0.1 0.1#

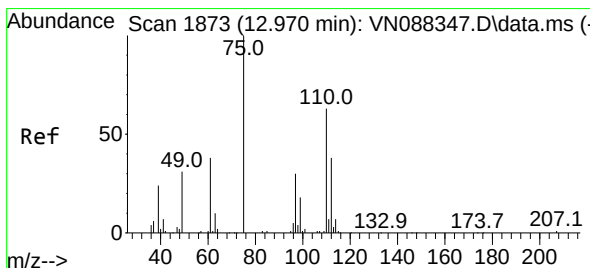
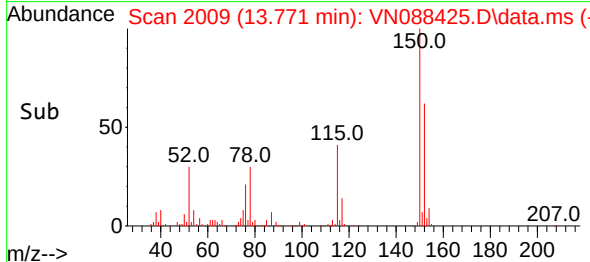
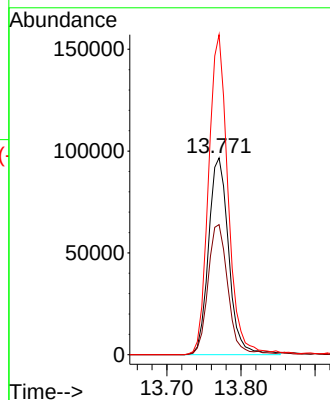
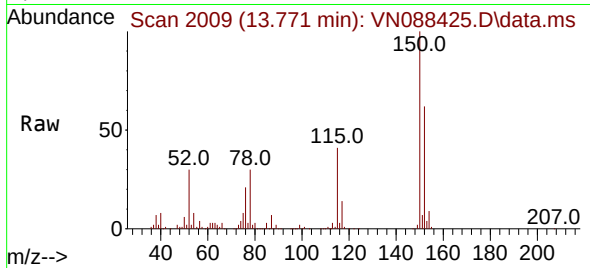




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088425.D
 Acq: 03 Dec 2025 13:53

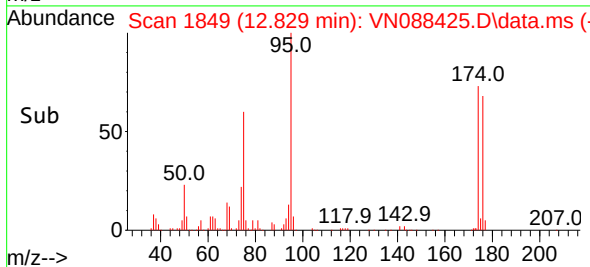
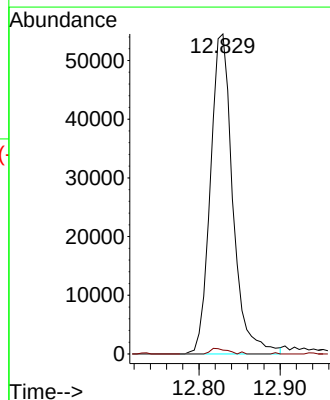
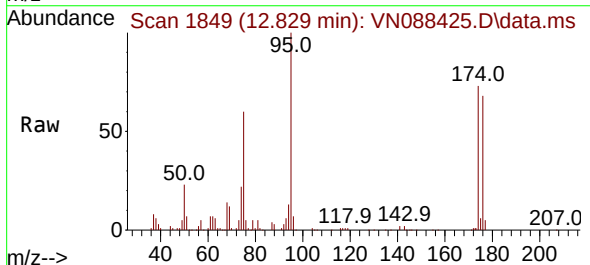
Instrument :
 MSVOA_N
 ClientSampleId :
 BR-01-190-120225

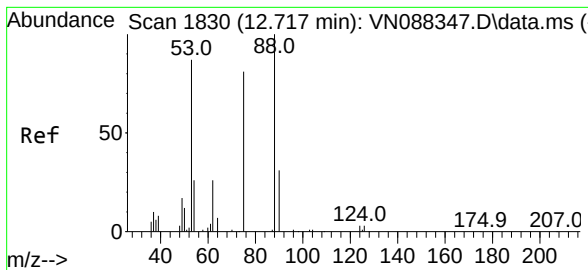
Tgt Ion:152 Resp: 182896
 Ion Ratio Lower Upper
 152 100
 115 65.5 33.0 98.9
 150 157.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.380 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088425.D
 Acq: 03 Dec 2025 13:53

Tgt Ion: 75 Resp: 104438
 Ion Ratio Lower Upper
 75 100
 77 1.4 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.165 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088425.D
 Acq: 03 Dec 2025 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 BR-01-190-120225

Tgt Ion: 75 Resp: 104438
 Ion Ratio Lower Upper
 75 100
 53 0.2 92.2 138.4#
 89 0.0 0.0 0.0

