

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088385.D
 Acq On : 01 Dec 2025 15:56
 Operator : JC\MD
 Sample : Q3745-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 00:16:30 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)

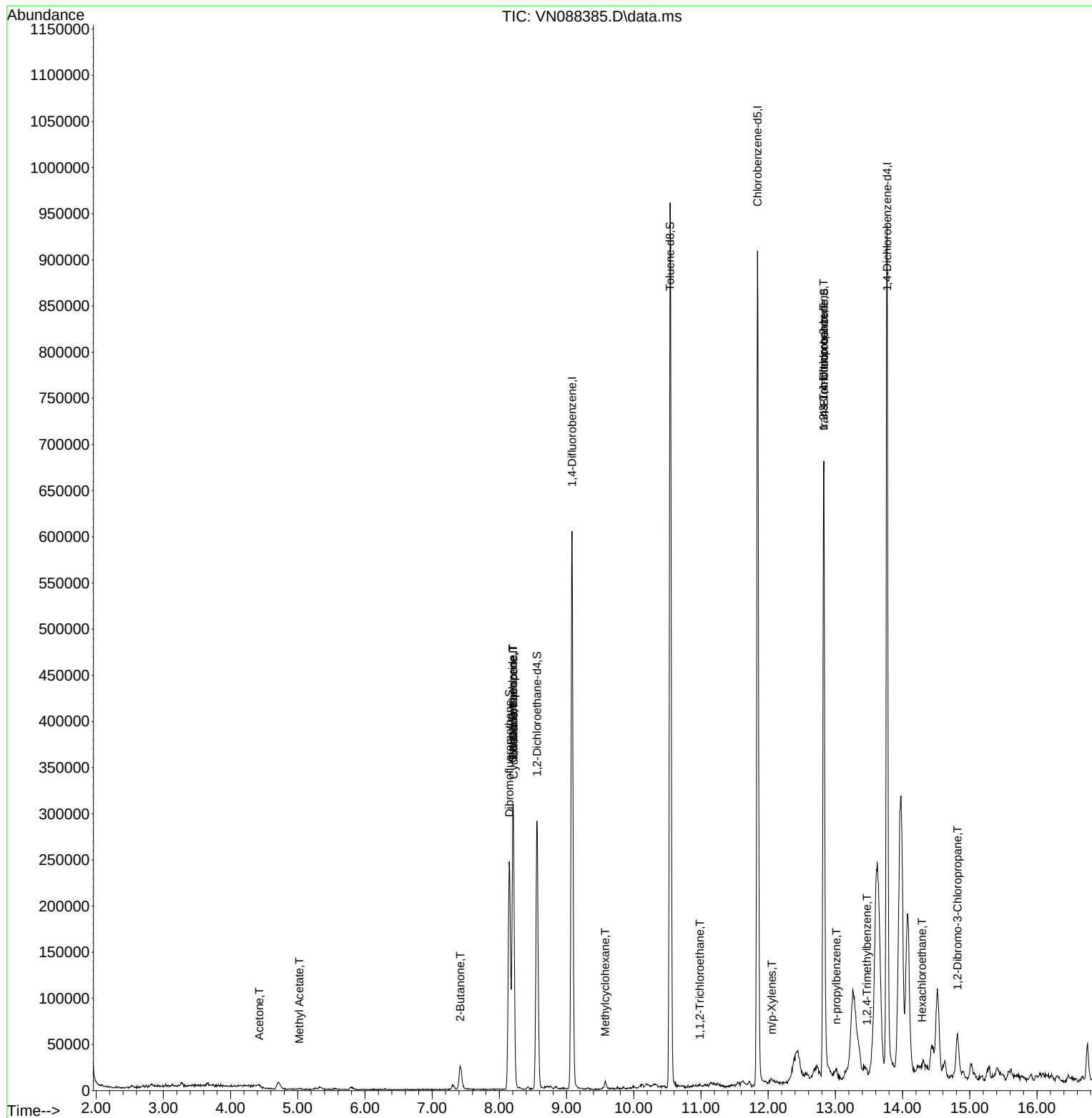
Internal Standards						
1) Pentafluorobenzene	8.206	168	205619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	482246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	480122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	242777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	242301	62.554	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 125.100%#		
35) Dibromofluoromethane	8.147	113	176056	52.681	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.360%		
50) Toluene-d8	10.541	98	636172	51.161	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.320%		
62) 4-Bromofluorobenzene	12.829	95	243816	57.146	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 114.300%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	5535	3.951	ug/l	100
18) Methyl Acetate	5.024	43	1527	0.366	ug/l #	63
25) 2-Butanone	7.418	43	1808	0.803	ug/l #	49
31) Cyclohexane	8.212	56	8286	1.627	ug/l #	16
36) 1,1-Dichloropropene	8.206	75	20961	4.064	ug/l #	50
38) Carbon Tetrachloride	8.200	117	24626	4.796	ug/l #	14
39) Methylcyclohexane	9.577	83	3085	0.559	ug/l #	83
55) 1,1,2-Trichloroethane	10.982	97	826	0.244	ug/l #	40
68) m/p-Xylenes	12.053	106	1530	0.219	ug/l #	71
76) 1,2,3-Trichloropropane	12.823	75	146660	25.792	ug/l #	1
78) n-propylbenzene	13.018	91	5971	0.272	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.823	75	146660	73.170	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.470	105	3710	0.251	ug/l	67
90) Hexachloroethane	14.288	117	1094	0.402	ug/l #	20
92) 1,2-Dibromo-3-Chloropr...	14.817	75	2422	1.720	ug/l	64

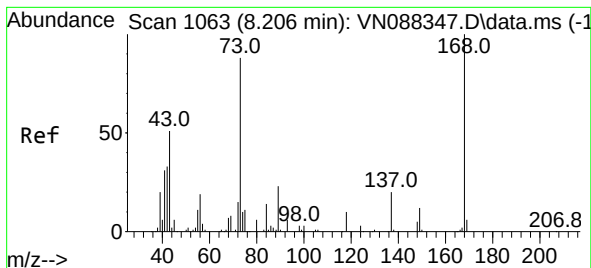
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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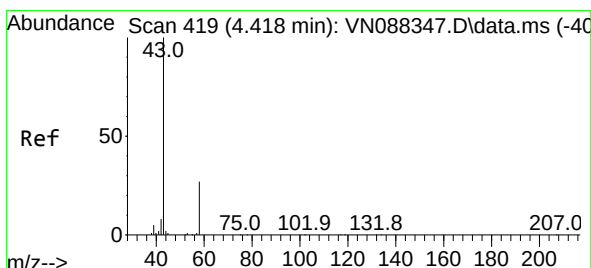
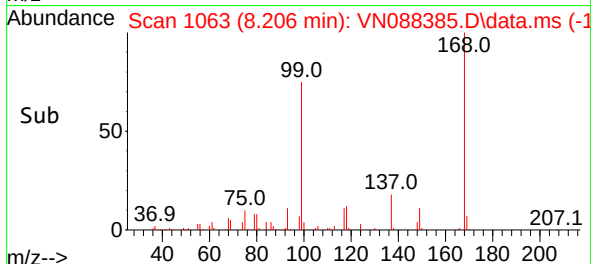
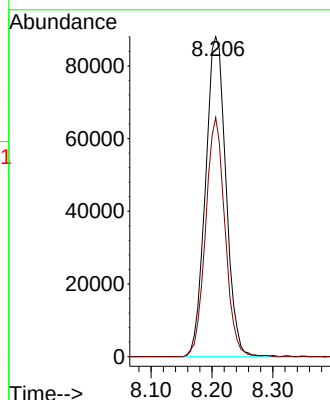
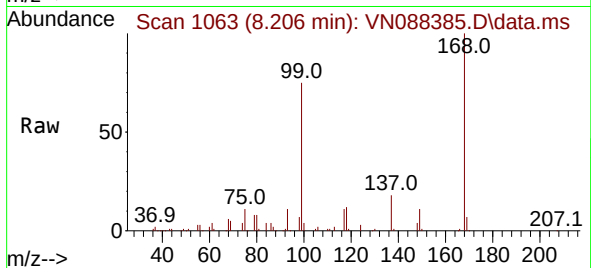




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088385.D
Acq: 01 Dec 2025 15:56

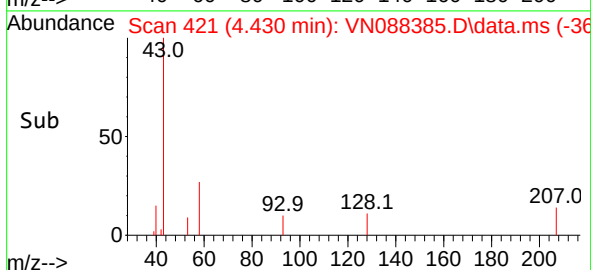
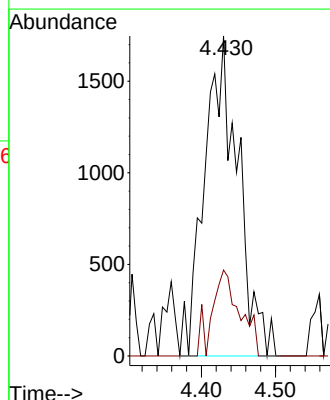
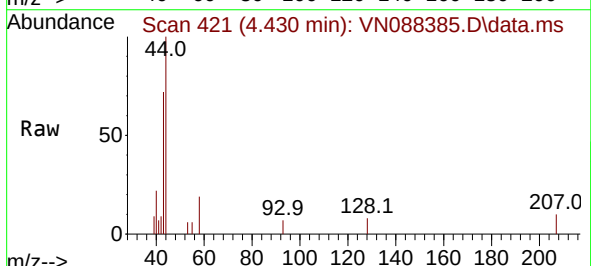
Instrument :
MSVOA_N
ClientSampleId :

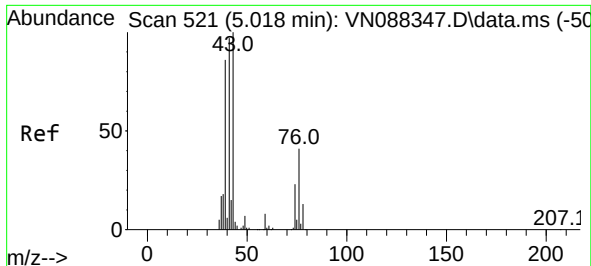
Tgt Ion:168 Resp: 205619
Ion Ratio Lower Upper
168 100
99 74.7 57.1 85.7



#16
Acetone
Concen: 3.951 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN088385.D
Acq: 01 Dec 2025 15:56

Tgt Ion: 43 Resp: 5535
Ion Ratio Lower Upper
43 100
58 26.8 21.7 32.5

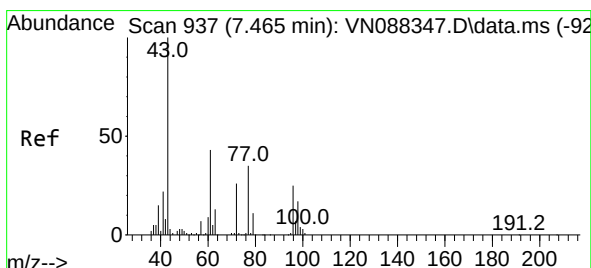
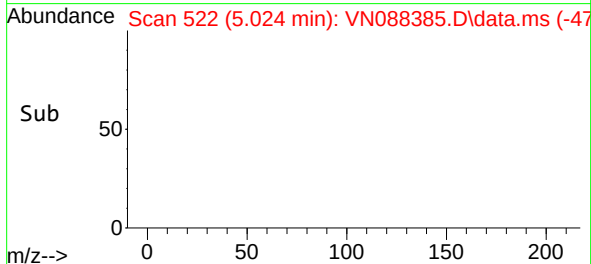
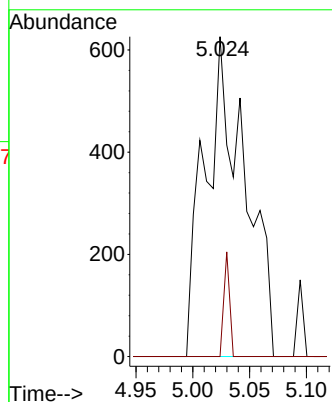
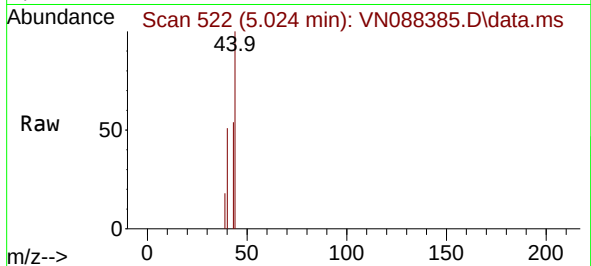




#18
Methyl Acetate
Concen: 0.366 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088385.D
Acq: 01 Dec 2025 15:56

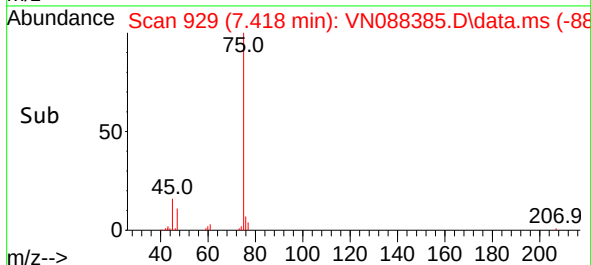
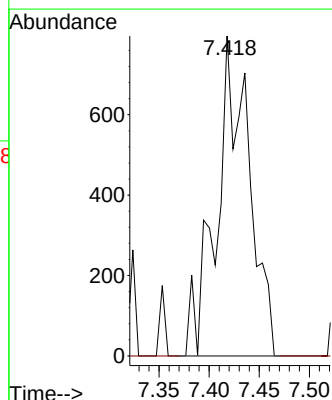
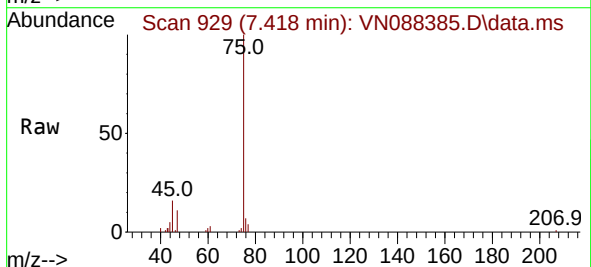
Instrument :
MSVOA_N
ClientSampleId :

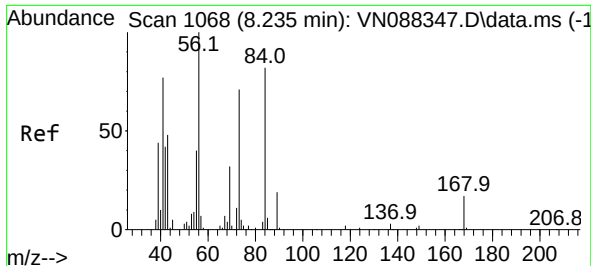
Tgt Ion: 43 Resp: 1527
Ion Ratio Lower Upper
43 100
74 4.7 17.9 26.9#



#25
2-Butanone
Concen: 0.803 ug/l
RT: 7.418 min Scan# 929
Delta R.T. -0.047 min
Lab File: VN088385.D
Acq: 01 Dec 2025 15:56

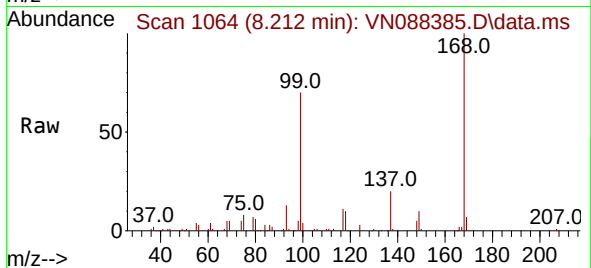
Tgt Ion: 43 Resp: 1808
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



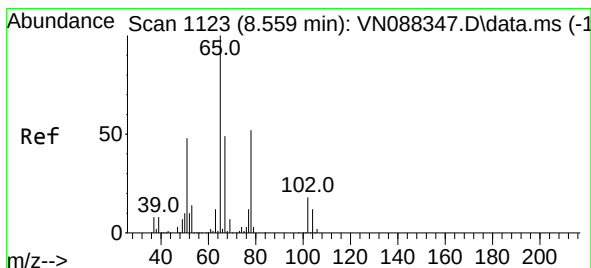
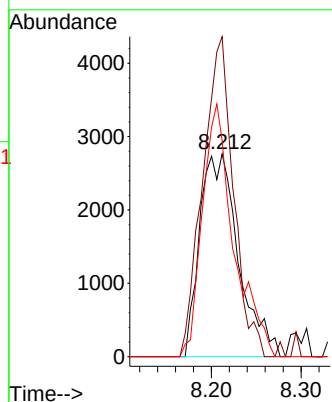
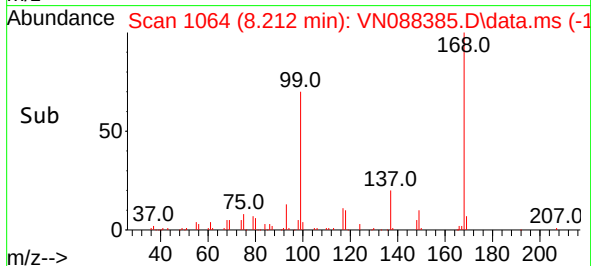


#31
Cyclohexane
Concen: 1.627 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.023 min
Lab File: VN088385.D
Acq: 01 Dec 2025 15:56

Instrument :
MSVOA_N
ClientSampleId :

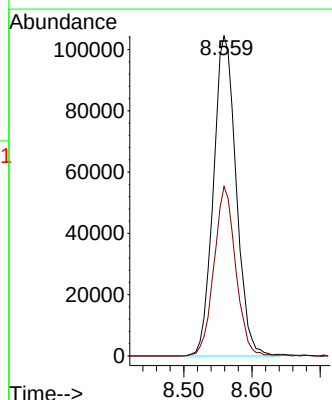
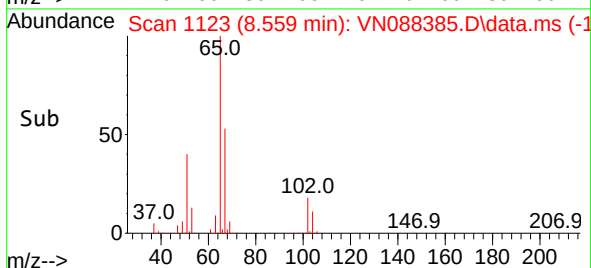
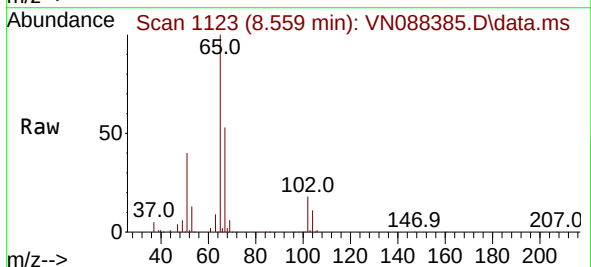


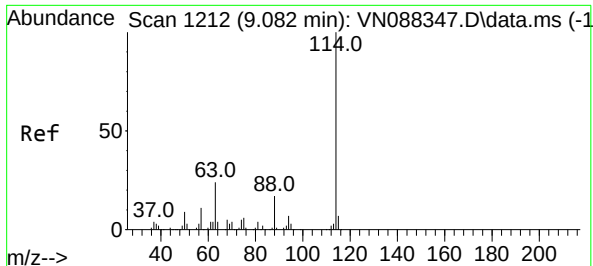
Tgt Ion: 56 Resp: 8286
Ion Ratio Lower Upper
56 100
69 157.9 25.3 37.9#
84 106.7 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 62.554 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088385.D
Acq: 01 Dec 2025 15:56

Tgt Ion: 65 Resp: 242301
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088385.D

Acq: 01 Dec 2025 15:56

Instrument :

MSVOA_N

ClientSampleId :

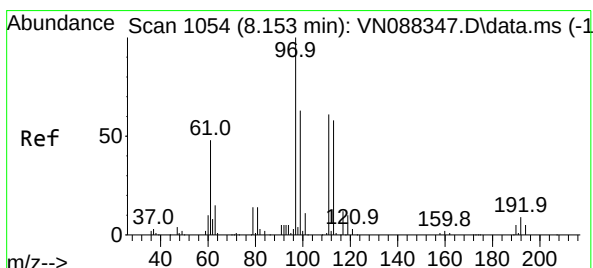
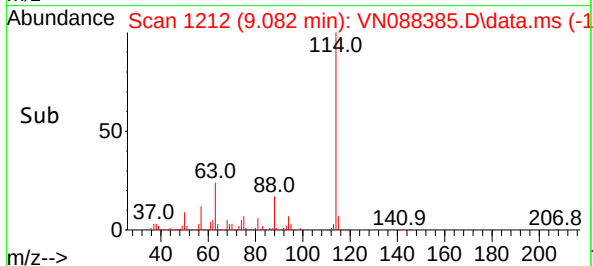
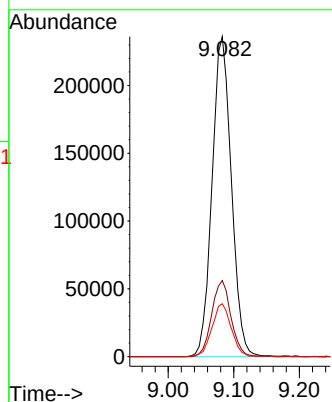
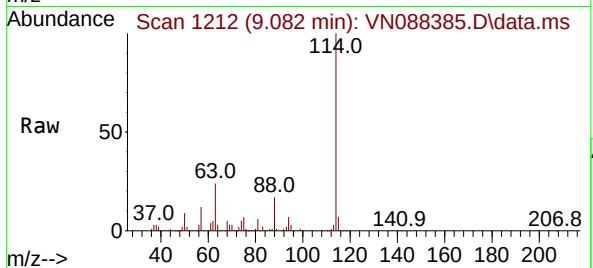
Tgt Ion:114 Resp: 482246

Ion Ratio Lower Upper

114 100

63 23.8 0.0 49.0

88 16.5 0.0 34.0



#35

Dibromofluoromethane

Concen: 52.681 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088385.D

Acq: 01 Dec 2025 15:56

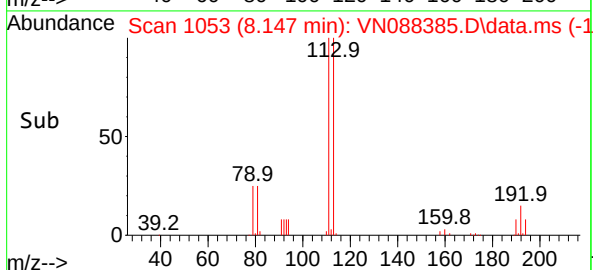
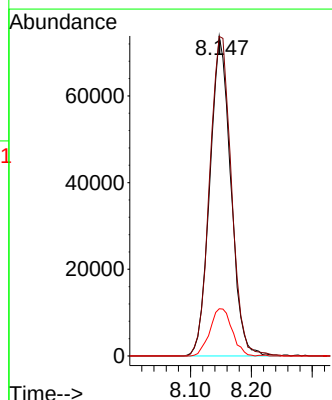
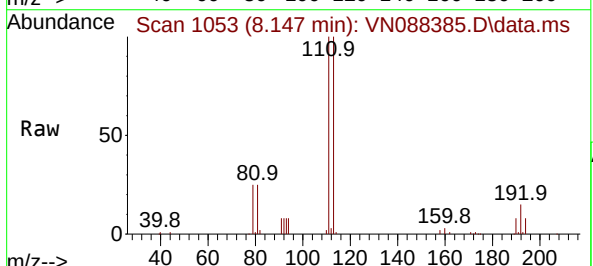
Tgt Ion:113 Resp: 176056

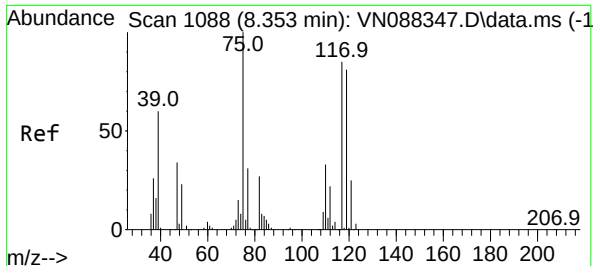
Ion Ratio Lower Upper

113 100

111 103.7 82.5 123.7

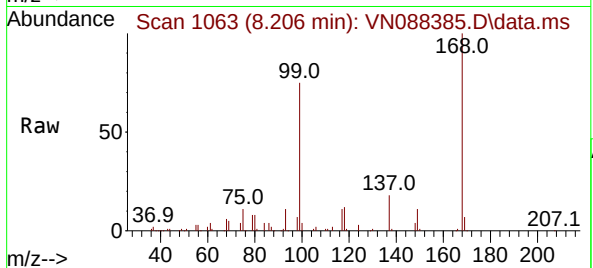
192 15.6 12.8 19.2



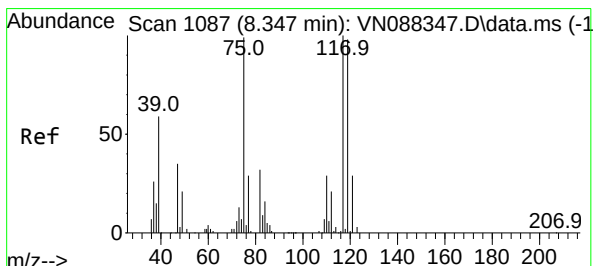
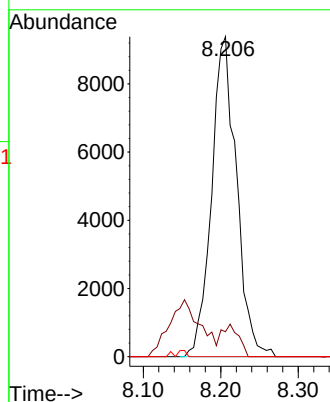
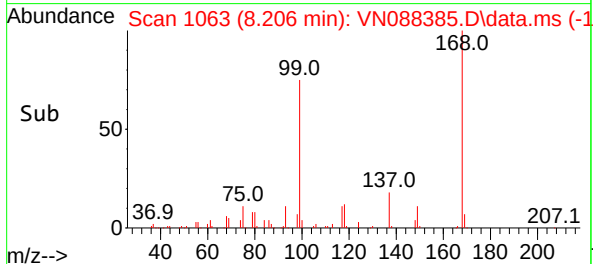


#36
1,1-Dichloropropene
Concen: 4.064 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088385.D
Acq: 01 Dec 2025 15:56

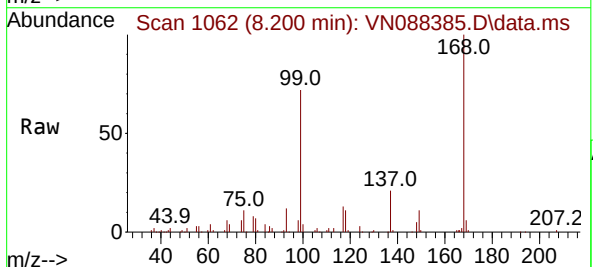
Instrument :
MSVOA_N
ClientSampleId :



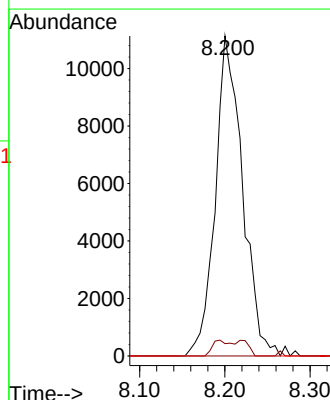
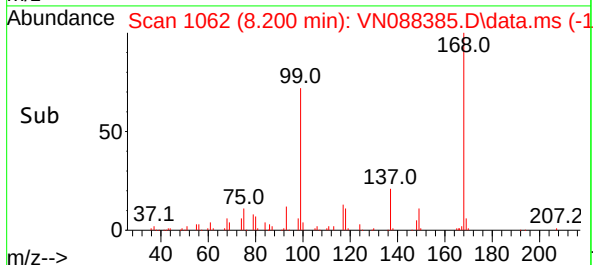
Tgt Ion: 75 Resp: 20961
Ion Ratio Lower Upper
75 100
110 6.9 15.8 47.4#
77 0.0 24.2 36.2#

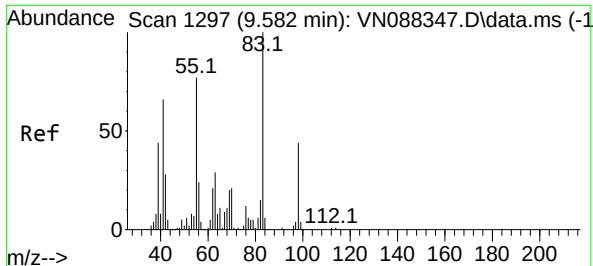


#38
Carbon Tetrachloride
Concen: 4.796 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.147 min
Lab File: VN088385.D
Acq: 01 Dec 2025 15:56



Tgt Ion: 117 Resp: 24626
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.4#
121 0.0 23.4 35.2#





#39

Methylcyclohexane

Concen: 0.559 ug/l

RT: 9.577 min Scan# 1

Delta R.T. -0.006 min

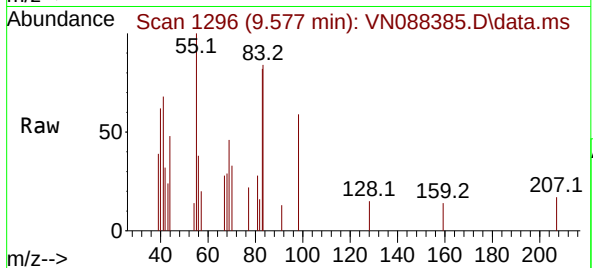
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Acq: 01 Dec 2025 15:56

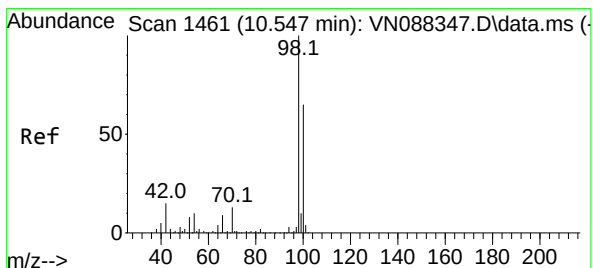
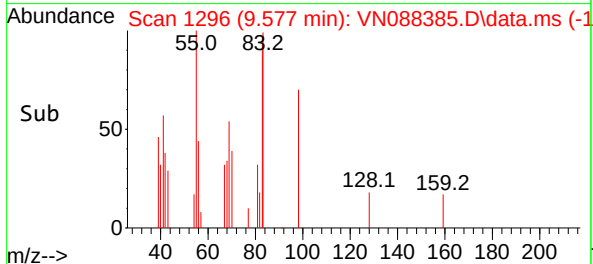
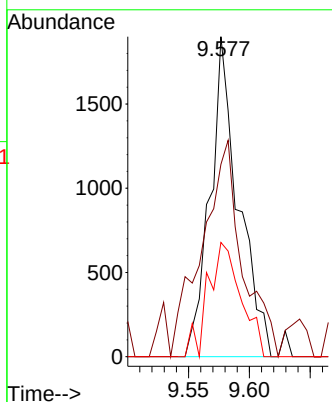
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 83	Resp: 3085
Ion Ratio	Lower Upper
83	100
55	60.1 61.6 92.4#
98	35.7 35.3 52.9



#50

Toluene-d8

Concen: 51.161 ug/l

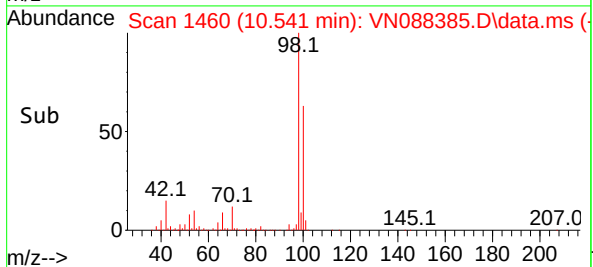
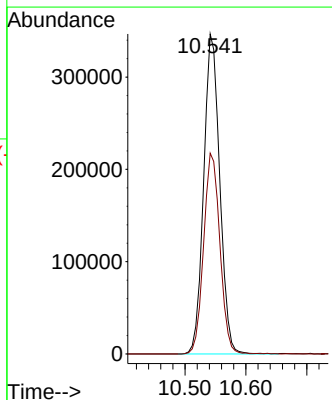
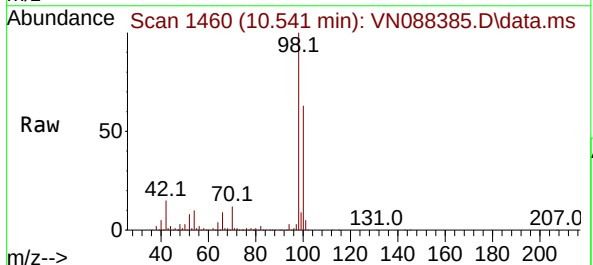
RT: 10.541 min Scan# 1460

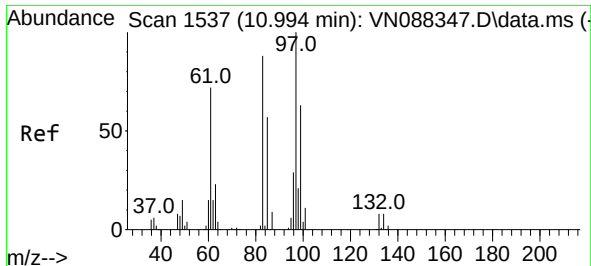
Delta R.T. -0.006 min

Lab File: VN088385.D

Acq: 01 Dec 2025 15:56

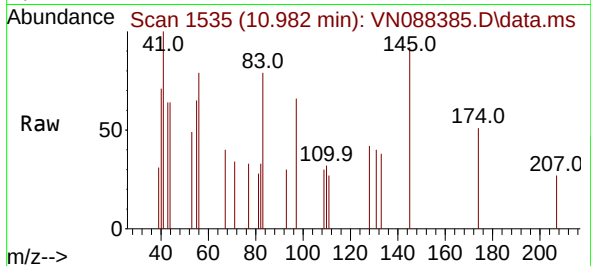
Tgt Ion: 98	Resp: 636172
Ion Ratio	Lower Upper
98	100
100	63.4 52.2 78.2



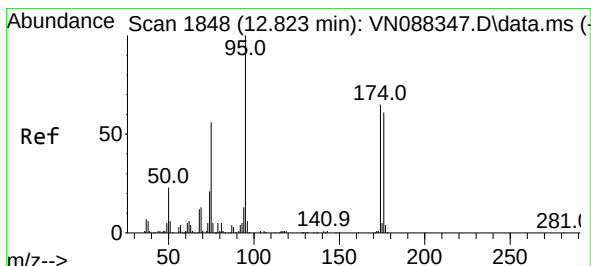
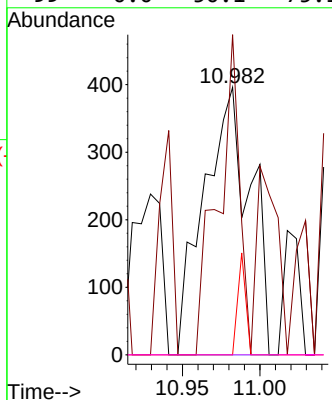
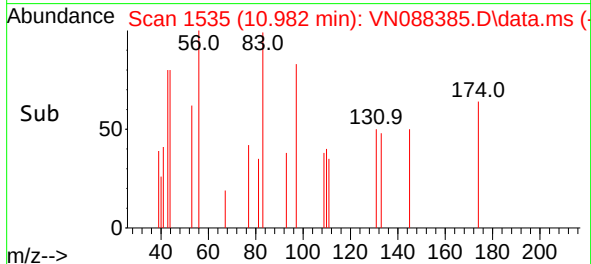


#55
1,1,2-Trichloroethane
Concen: 0.244 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. -0.012 min
Lab File: VN088385.D
Acq: 01 Dec 2025 15:56

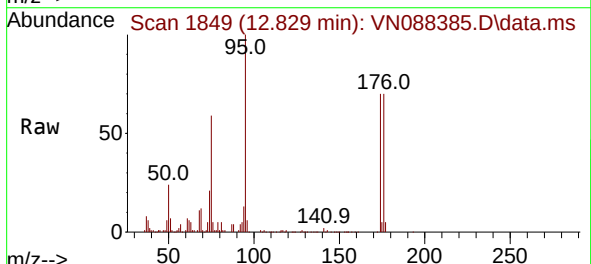
Instrument :
MSVOA_N
ClientSampleId :



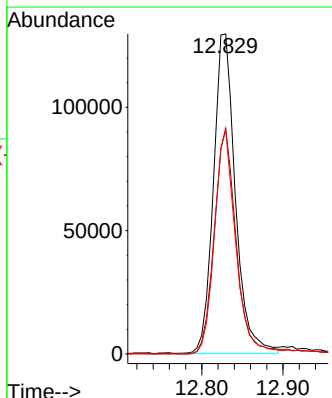
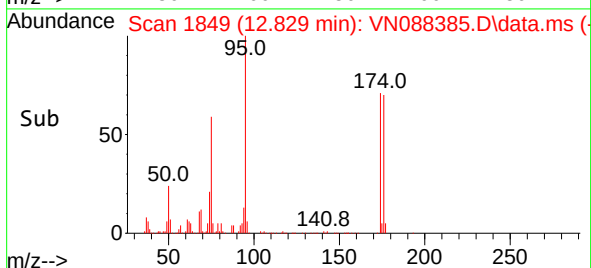
Tgt Ion: 97 Resp: 826
Ion Ratio Lower Upper
97 100
83 119.7 70.4 105.6#
85 0.0 45.4 68.2#
99 0.0 50.1 75.1#

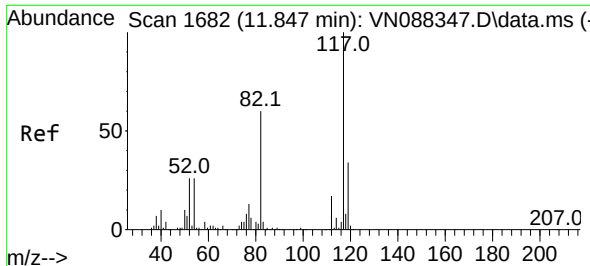


#62
4-Bromofluorobenzene
Concen: 57.146 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088385.D
Acq: 01 Dec 2025 15:56



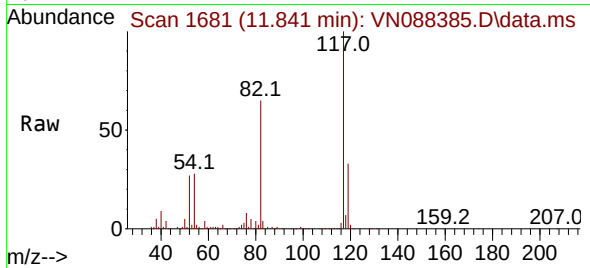
Tgt Ion: 95 Resp: 243816
Ion Ratio Lower Upper
95 100
174 71.8 0.0 139.0
176 67.7 0.0 132.4



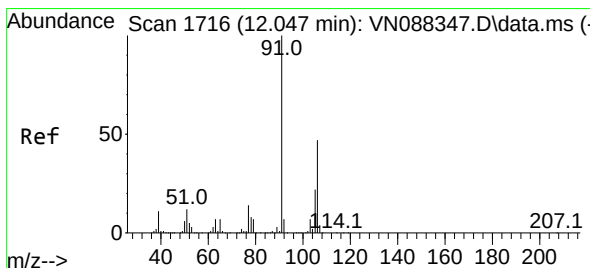
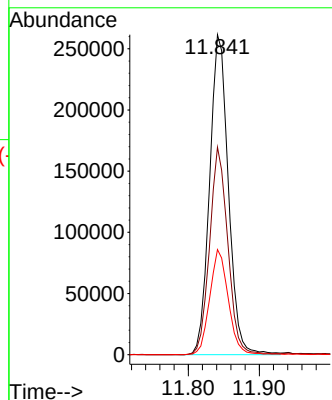
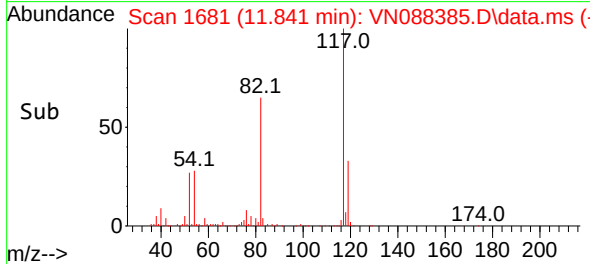


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088385.D
Acq: 01 Dec 2025 15:56

Instrument :
MSVOA_N
ClientSampleId :

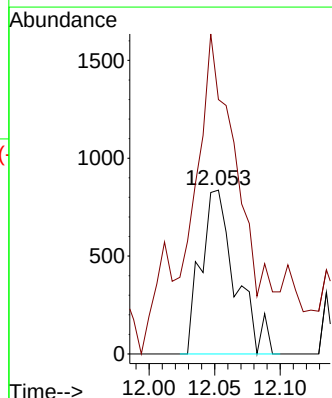
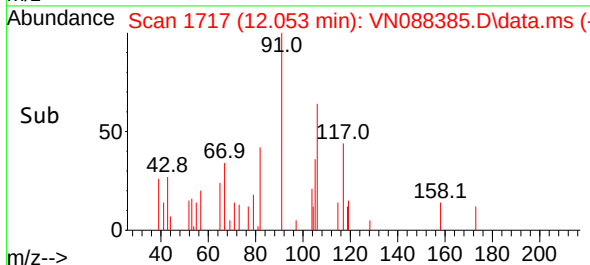
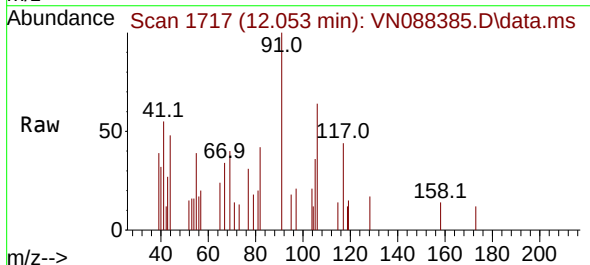


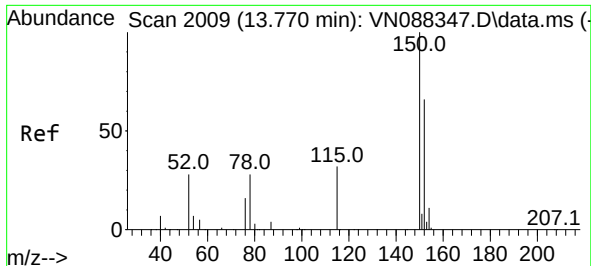
Tgt Ion:117 Resp: 480122
Ion Ratio Lower Upper
117 100
82 64.9 47.8 71.8
119 32.9 26.9 40.3



#68
m/p-Xylenes
Concen: 0.219 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088385.D
Acq: 01 Dec 2025 15:56

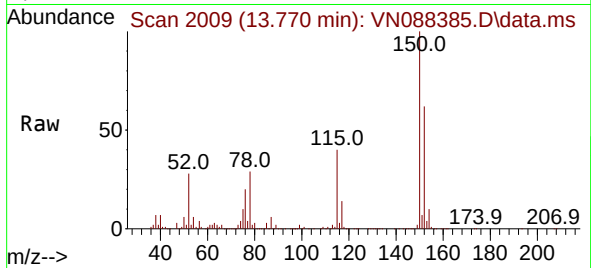
Tgt Ion:106 Resp: 1530
Ion Ratio Lower Upper
106 100
91 165.2 167.8 251.6#



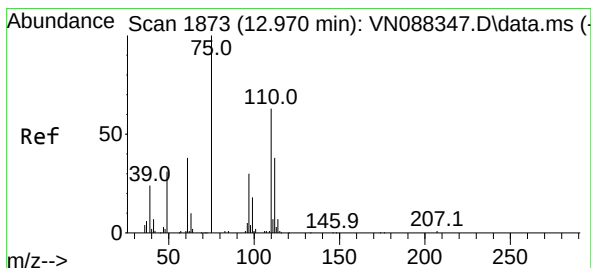
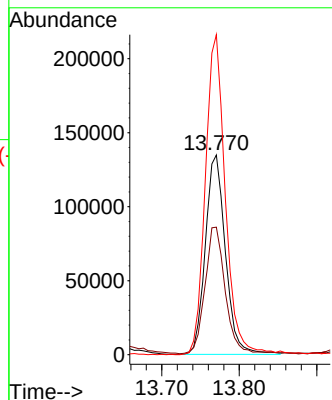
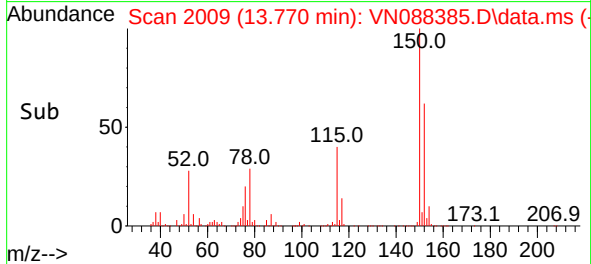


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088385.D
 Acq: 01 Dec 2025 15:56

Instrument :
 MSVOA_N
 ClientSampleId :

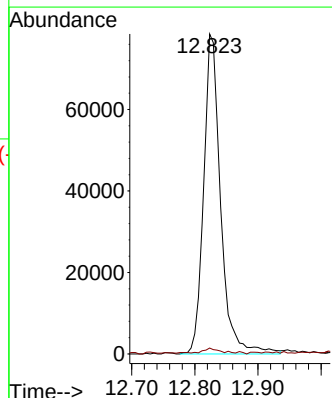
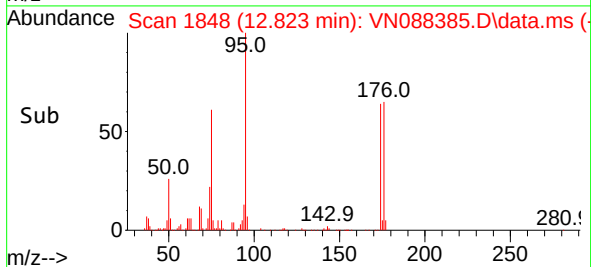
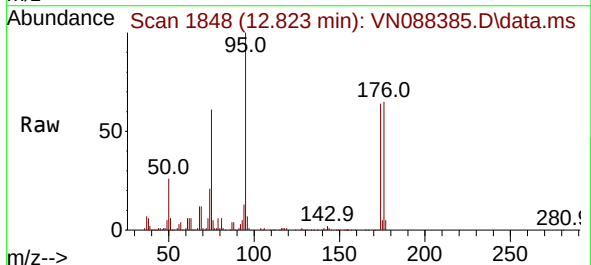


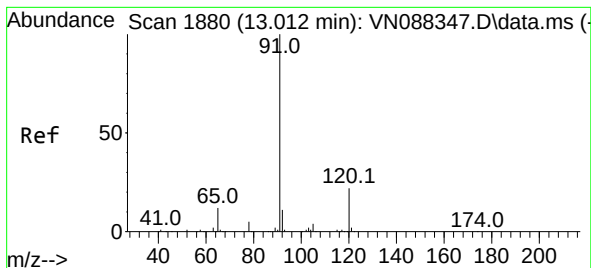
Tgt Ion:152 Resp: 242777
 Ion Ratio Lower Upper
 152 100
 115 64.5 33.0 98.9
 150 160.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.792 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. -0.147 min
 Lab File: VN088385.D
 Acq: 01 Dec 2025 15:56

Tgt Ion: 75 Resp: 146660
 Ion Ratio Lower Upper
 75 100
 77 1.5 87.2 261.6#





#78

n-propylbenzene

Concen: 0.272 ug/l

RT: 13.018 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN088385.D

Acq: 01 Dec 2025 15:56

Instrument :

MSVOA_N

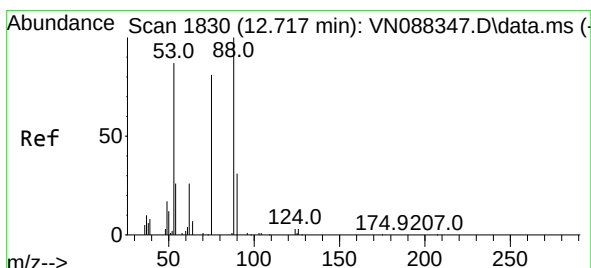
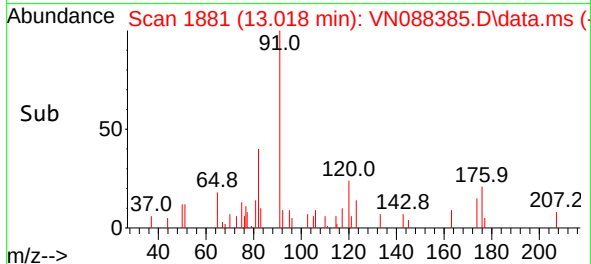
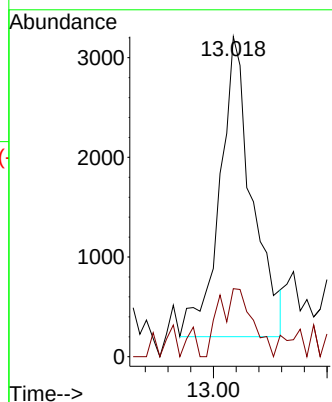
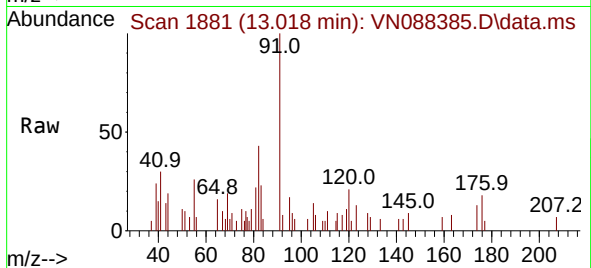
ClientSampleId :

Tgt Ion: 91 Resp: 5971

Ion Ratio Lower Upper

91 100

120 23.0 10.9 32.6



#81

trans-1,4-Dichloro-2-butene

Concen: 73.170 ug/l

RT: 12.823 min Scan# 1848

Delta R.T. 0.106 min

Lab File: VN088385.D

Acq: 01 Dec 2025 15:56

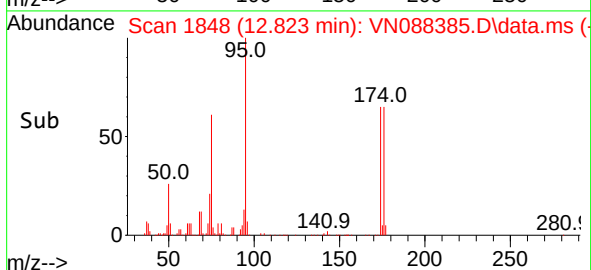
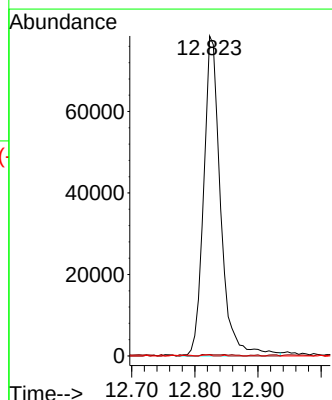
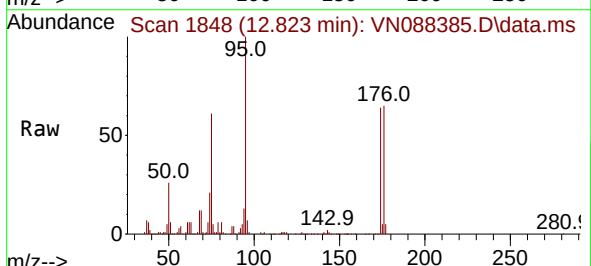
Tgt Ion: 75 Resp: 146660

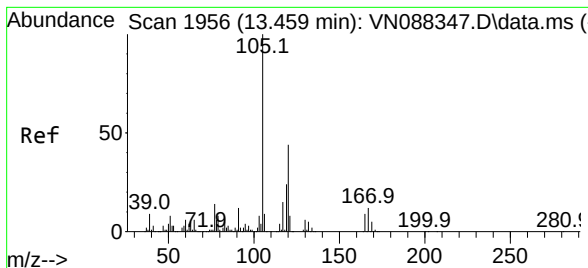
Ion Ratio Lower Upper

75 100

53 0.4 92.2 138.4#

89 0.2 0.0 0.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.251 ug/l

RT: 13.470 min Scan# 1956

Delta R.T. 0.012 min

Lab File: VN088385.D

Acq: 01 Dec 2025 15:56

Instrument :

MSVOA_N

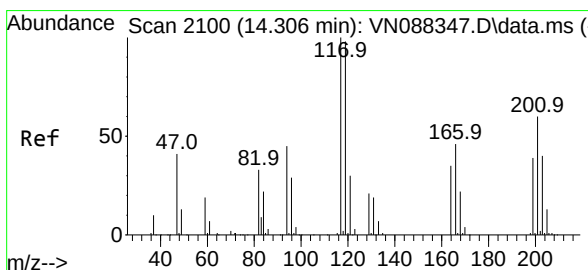
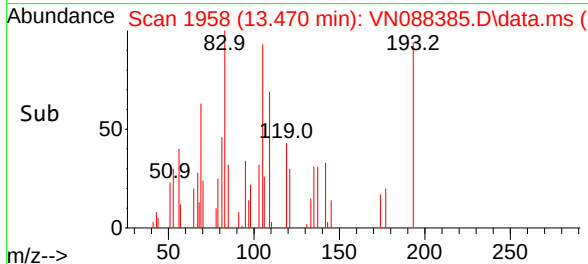
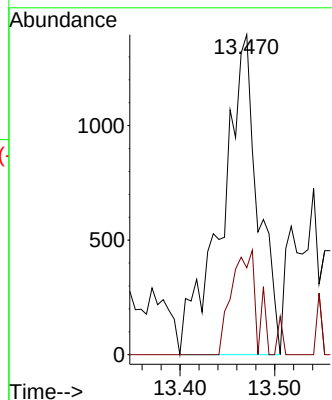
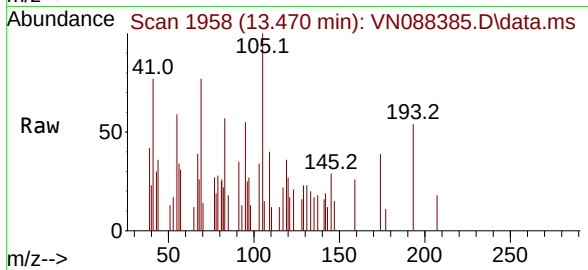
ClientSampleId :

Tgt Ion:105 Resp: 3710

Ion Ratio Lower Upper

105 100

120 22.5 22.1 66.1



#90

Hexachloroethane

Concen: 0.402 ug/l

RT: 14.288 min Scan# 2097

Delta R.T. -0.018 min

Lab File: VN088385.D

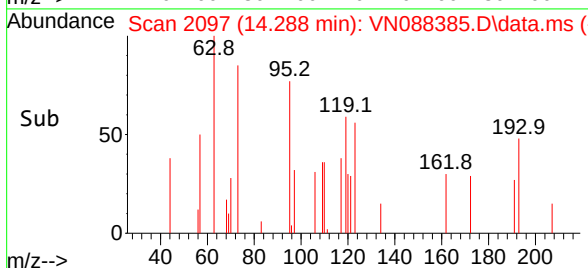
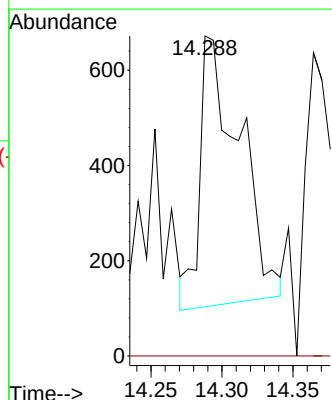
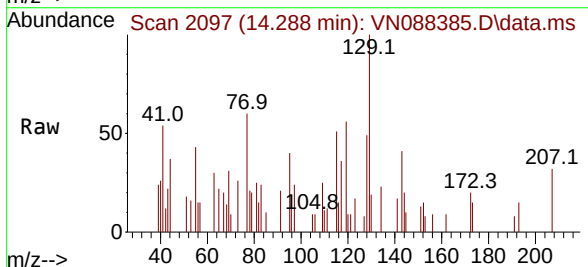
Acq: 01 Dec 2025 15:56

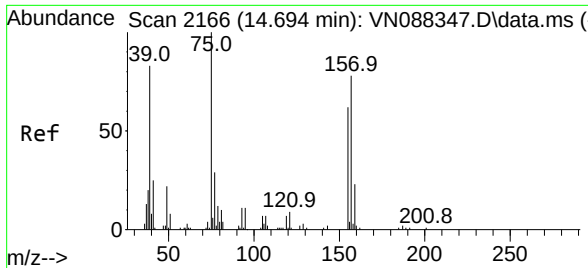
Tgt Ion:117 Resp: 1094

Ion Ratio Lower Upper

117 100

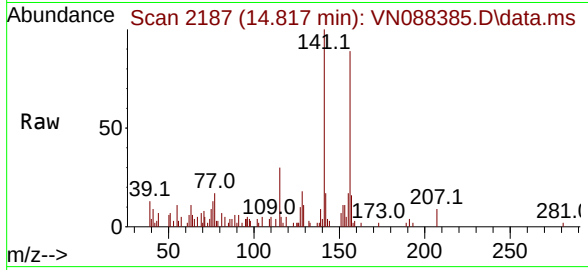
201 0.0 30.3 90.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.720 ug/l
 RT: 14.817 min Scan# 2166
 Delta R.T. 0.124 min
 Lab File: VN088385.D
 Acq: 01 Dec 2025 15:56

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 2422

Ion	Ratio	Lower	Upper
75	100		
155	100.8	33.7	101.1
157	116.7	43.8	131.3

