

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088260.D
 Acq On : 11 Nov 2025 16:08
 Operator : JC\MD
 Sample : Q3601-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Quant Time: Nov 12 01:18:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

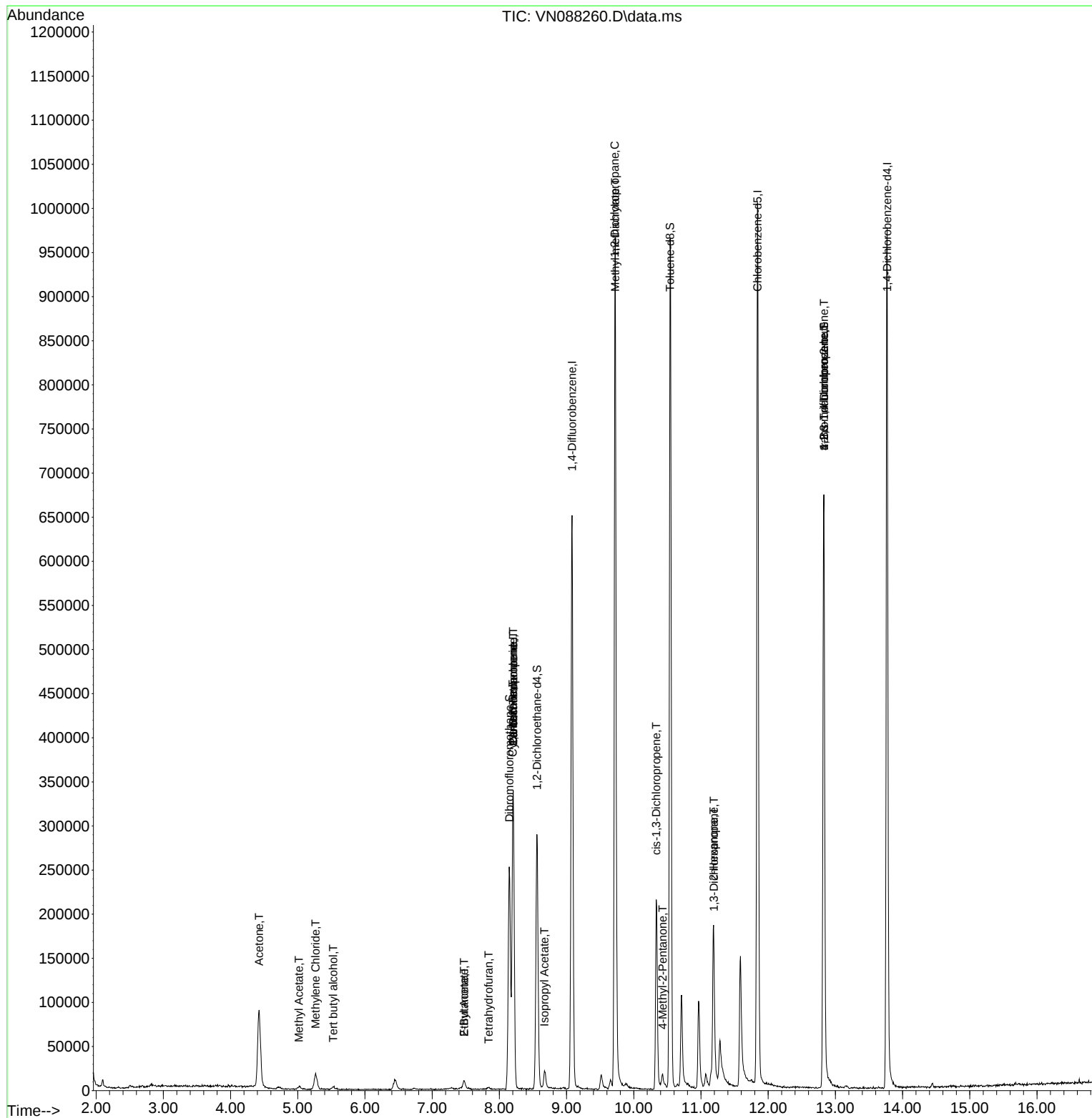
Internal Standards						
1) Pentafluorobenzene	8.206	168	223280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	525402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	529264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	254198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	239670	62.075	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.140%			
35) Dibromofluoromethane	8.147	113	175359	49.681	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.360%			
50) Toluene-d8	10.541	98	643738	47.332	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.660%			
62) 4-Bromofluorobenzene	12.829	95	245858	51.187	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.380%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	4133	6.214	ug/l #	89
16) Acetone	4.424	43	175202	90.324	ug/l	96
18) Methyl Acetate	5.018	43	6726	1.694	ug/l #	75
20) Methylene Chloride	5.265	84	12811	3.935	ug/l	93
25) 2-Butanone	7.477	43	18693	7.313	ug/l	94
29) Tetrahydrofuran	7.841	42	1614	0.969	ug/l #	42
31) Cyclohexane	8.200	56	7246	1.341	ug/l #	48
36) 1,1-Dichloropropene	8.206	75	21858	4.241	ug/l #	52
37) Ethyl Acetate	7.477	43	18693	2.811	ug/l #	72
38) Carbon Tetrachloride	8.206	117	27134	5.098	ug/l #	15
43) Isopropyl Acetate	8.671	43	25268	2.472	ug/l	94
45) 1,2-Dichloropropane	9.718	63	1080	0.273	ug/l #	43
48) Methyl methacrylate	9.724	41	96740	20.503	ug/l #	46
51) 4-Methyl-2-Pentanone	10.429	43	16541	2.736	ug/l #	83
54) cis-1,3-Dichloropropene	10.335	75	38359	6.003	ug/l #	73
57) 1,3-Dichloropropane	11.194	76	2231	0.346	ug/l #	42
59) 2-Hexanone	11.188	43	38534	9.608	ug/l #	53
76) 1,2,3-Trichloropropane	12.829	75	145642	25.060	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	145642	69.905	ug/l #	1

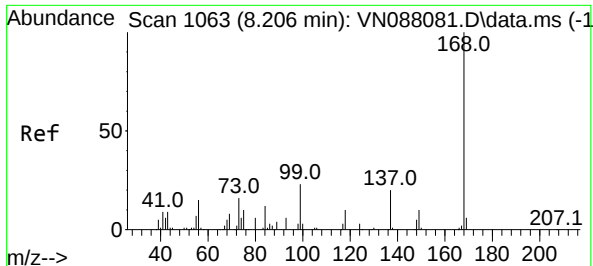
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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TP-5

Quant Time: Nov 12 01:18:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

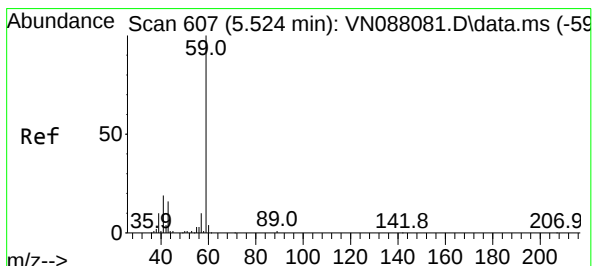
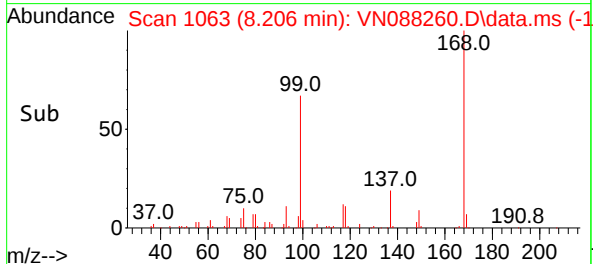
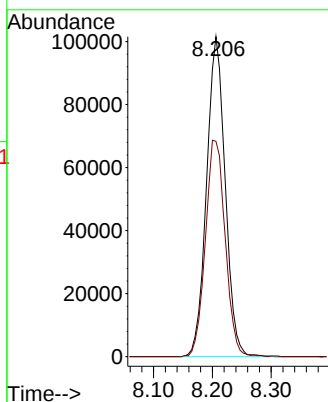
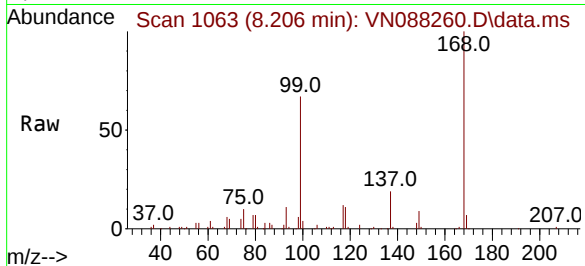




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

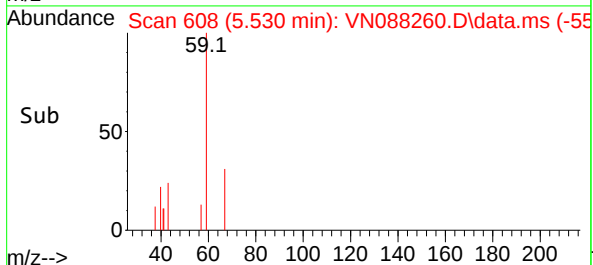
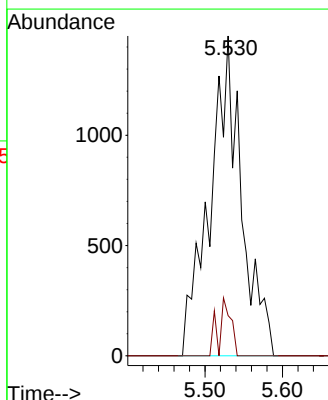
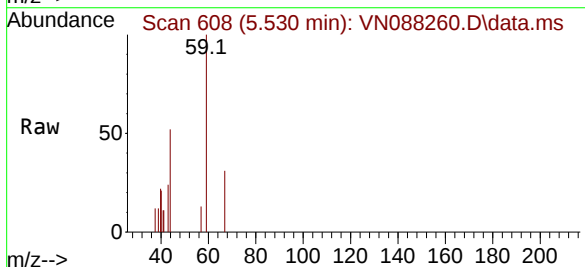
Instrument :
MSVOA_N
ClientSampleId :
TP-5

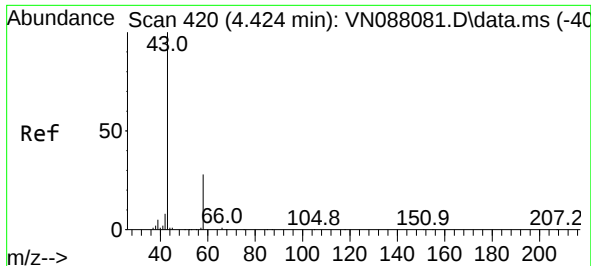
Tgt Ion:168 Resp: 223280
Ion Ratio Lower Upper
168 100
99 67.3 57.2 85.8



#11
Tert butyl alcohol
Concen: 6.214 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

Tgt Ion: 59 Resp: 4133
Ion Ratio Lower Upper
59 100
57 6.9 9.0 13.4#

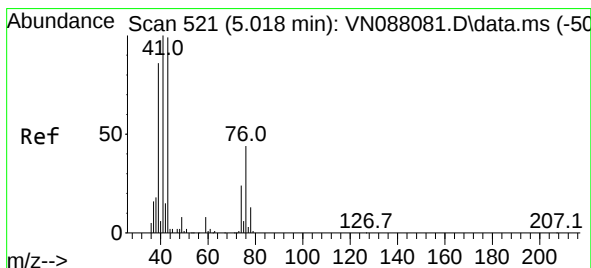
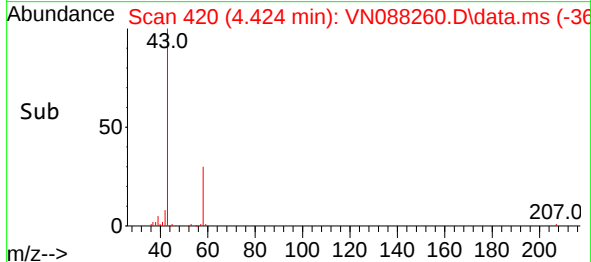
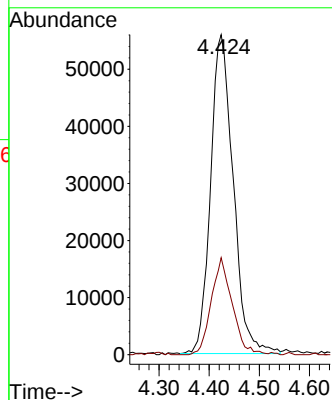
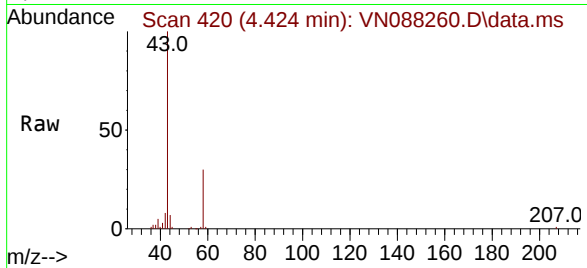




#16
Acetone
Concen: 90.324 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

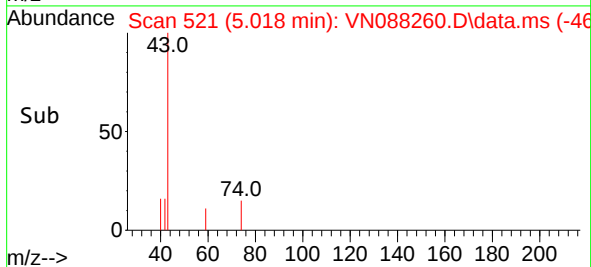
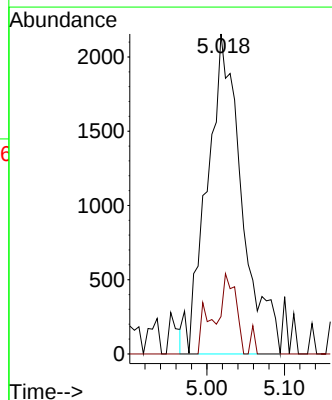
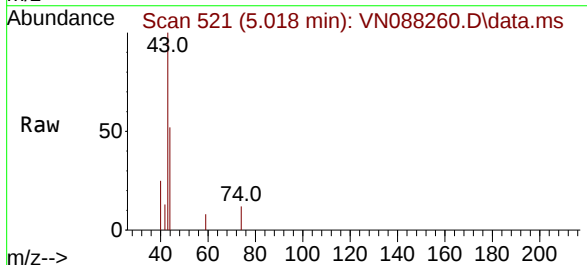
Instrument :
MSVOA_N
ClientSampleId :
TP-5

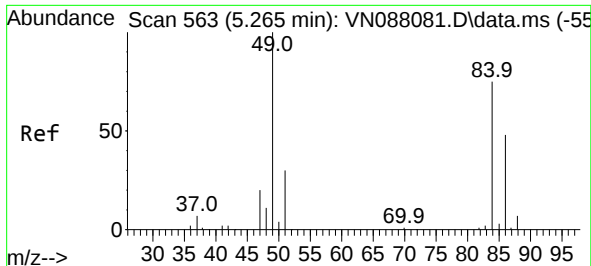
Tgt Ion: 43 Resp: 175202
Ion Ratio Lower Upper
43 100
58 30.4 22.6 33.8



#18
Methyl Acetate
Concen: 1.694 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

Tgt Ion: 43 Resp: 6726
Ion Ratio Lower Upper
43 100
74 10.0 17.6 26.4#

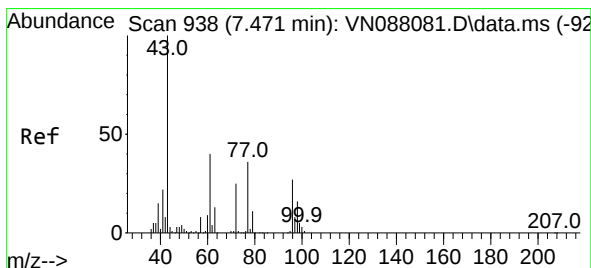
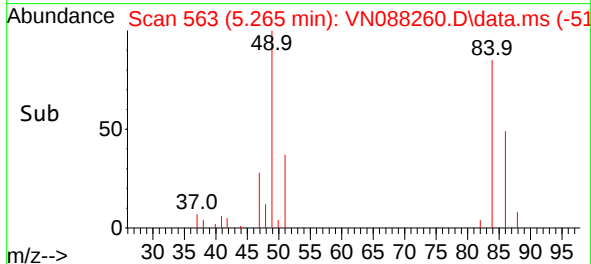
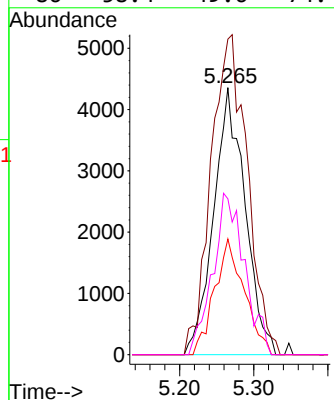
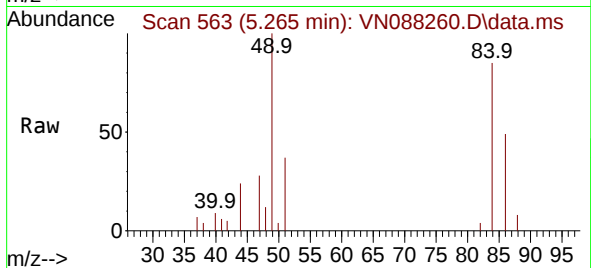




#20
Methylene Chloride
Concen: 3.935 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

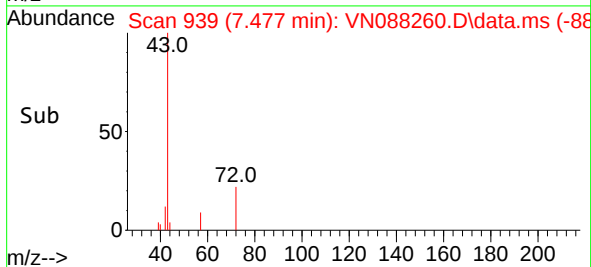
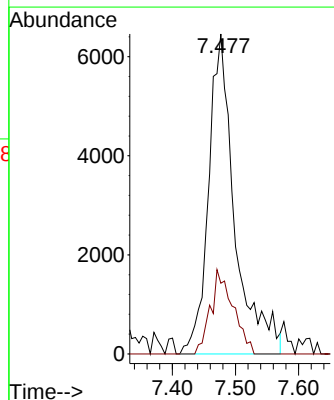
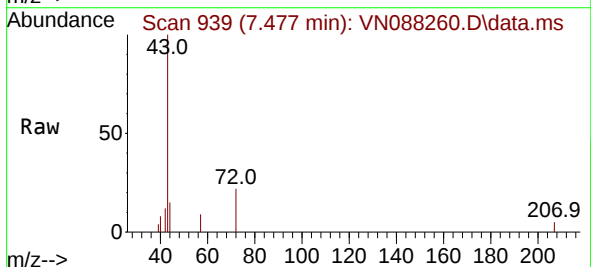
Instrument :
MSVOA_N
ClientSampleId :
TP-5

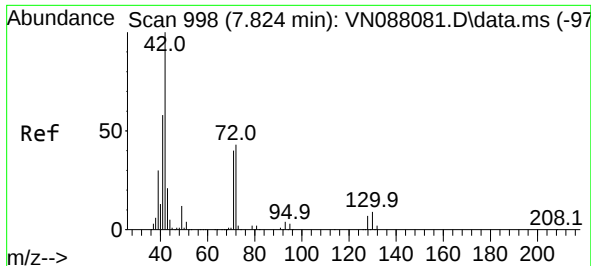
Tgt Ion:	84	Resp:	12811
Ion	Ratio	Lower	Upper
84	100		
49	118.2	103.4	155.2
51	43.3	33.8	50.8
86	58.4	49.6	74.4



#25
2-Butanone
Concen: 7.313 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

Tgt Ion:	43	Resp:	18693
Ion	Ratio	Lower	Upper
43	100		
72	22.1	19.9	29.9

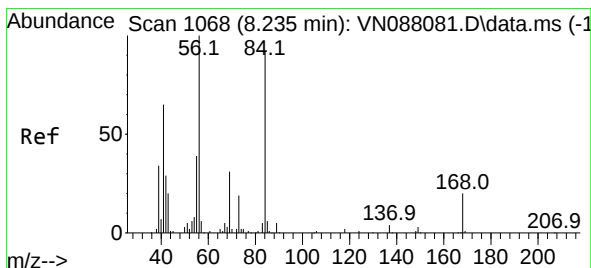
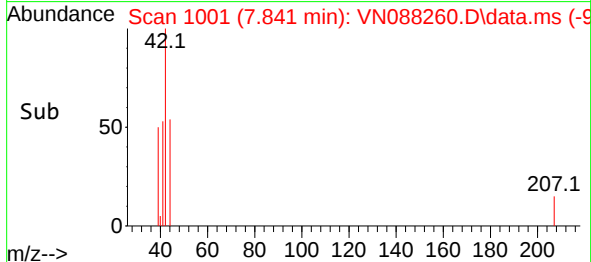
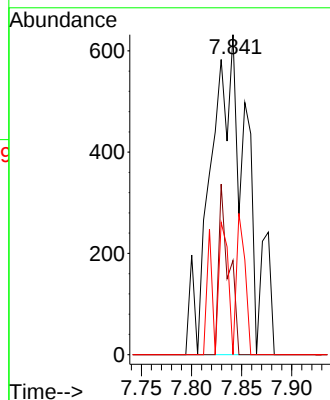
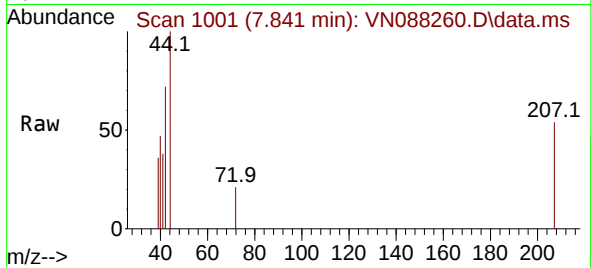




#29
Tetrahydrofuran
Concen: 0.969 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.018 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

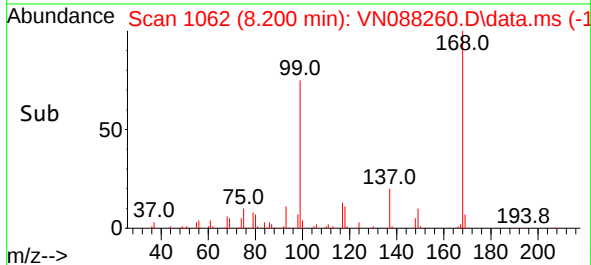
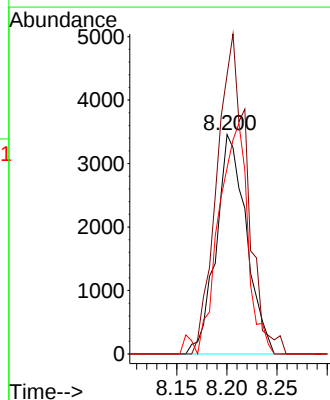
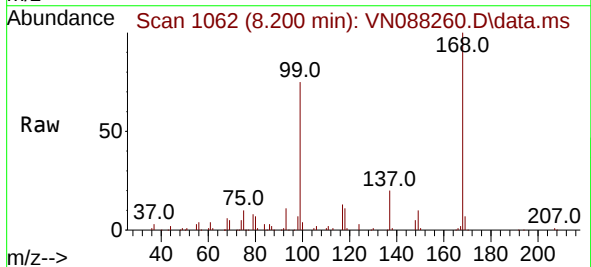
Instrument :
MSVOA_N
ClientSampleId :
TP-5

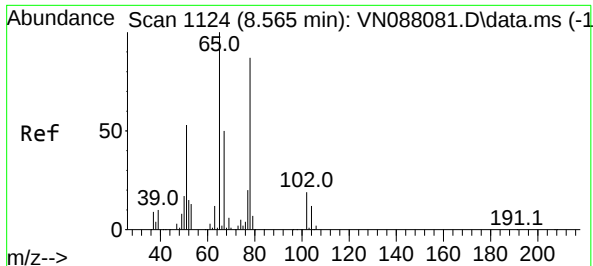
Tgt Ion: 42 Resp: 1614
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 10.2 31.9 47.9#



#31
Cyclohexane
Concen: 1.341 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

Tgt Ion: 56 Resp: 7246
Ion Ratio Lower Upper
56 100
69 127.3 23.7 35.5#
84 84.8 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 62.075 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088260.D

Acq: 11 Nov 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

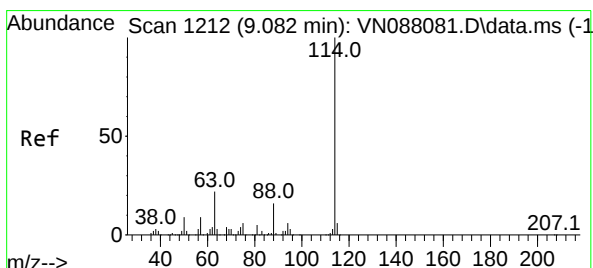
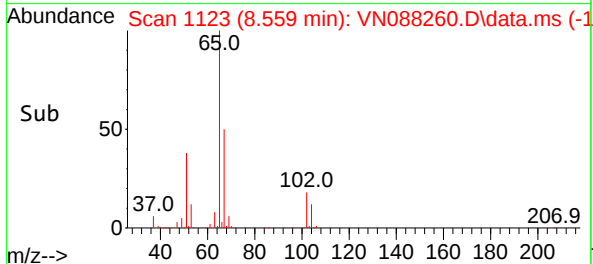
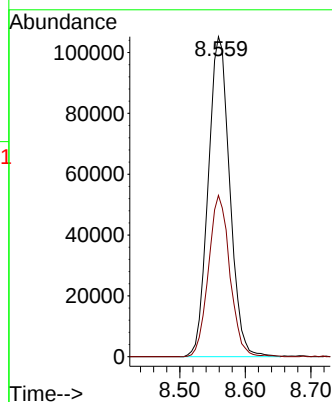
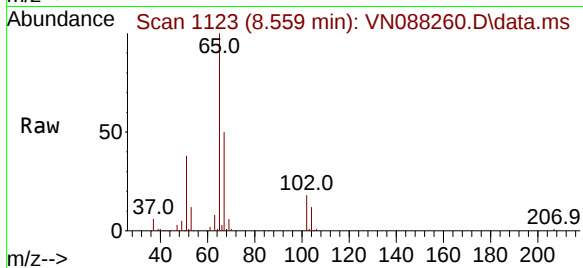
TP-5

Tgt Ion: 65 Resp: 239670

Ion Ratio Lower Upper

65 100

67 50.1 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088260.D

Acq: 11 Nov 2025 16:08

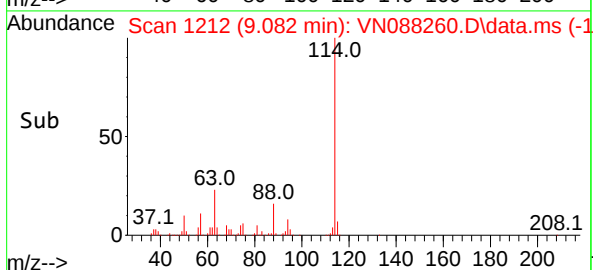
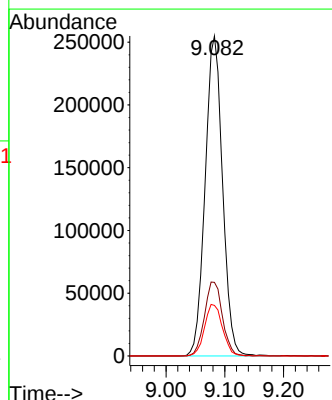
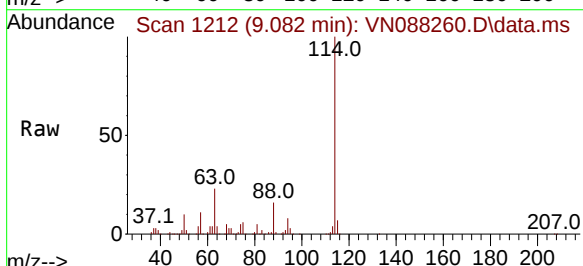
Tgt Ion: 114 Resp: 525402

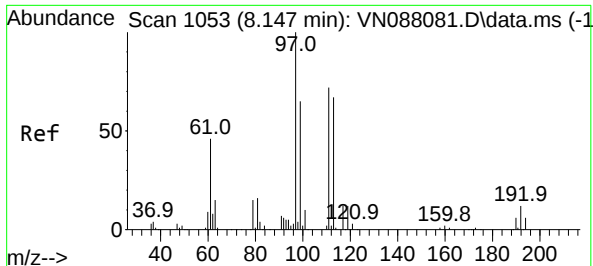
Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

88 15.8 0.0 33.4

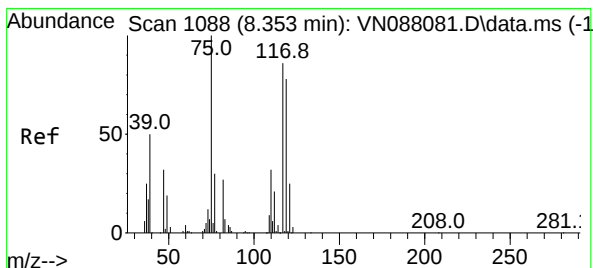
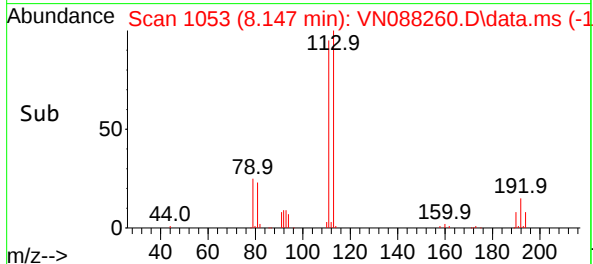
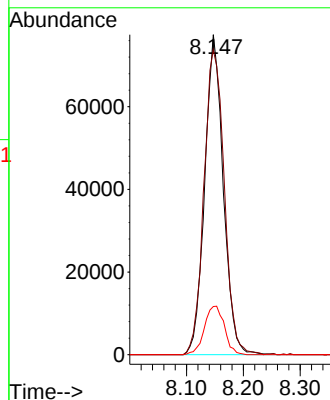
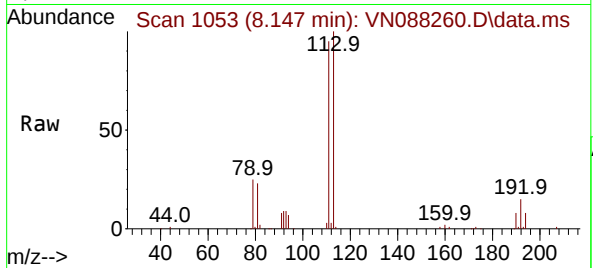




#35
Dibromofluoromethane
Concen: 49.681 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

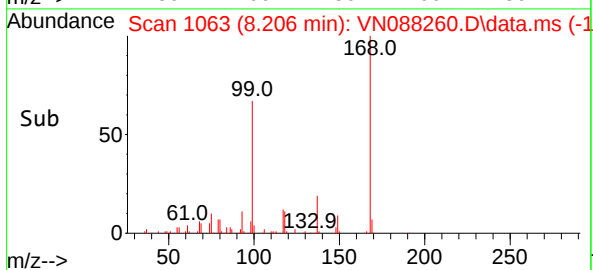
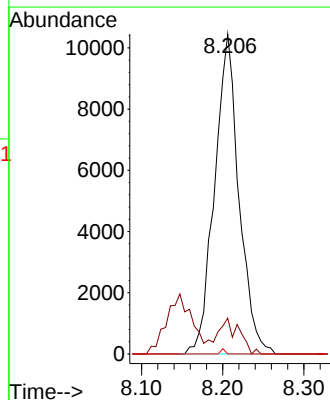
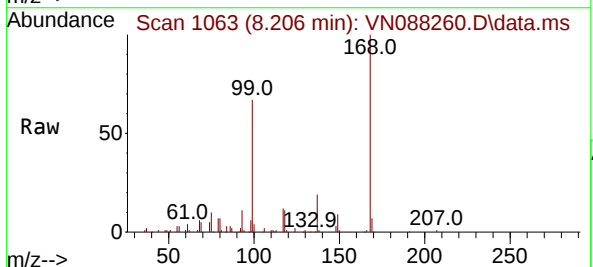
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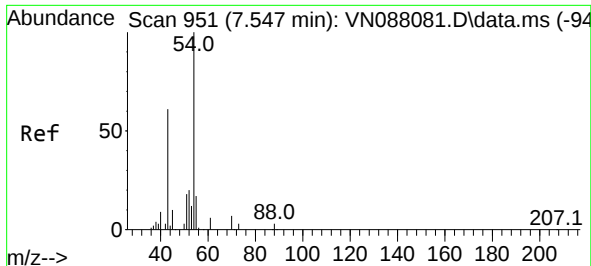
Tgt Ion:113 Resp: 175359
Ion Ratio Lower Upper
113 100
111 104.0 82.8 124.2
192 16.3 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.241 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

Tgt Ion: 75 Resp: 21858
Ion Ratio Lower Upper
75 100
110 8.9 15.9 47.6#
77 0.3 24.4 36.6#

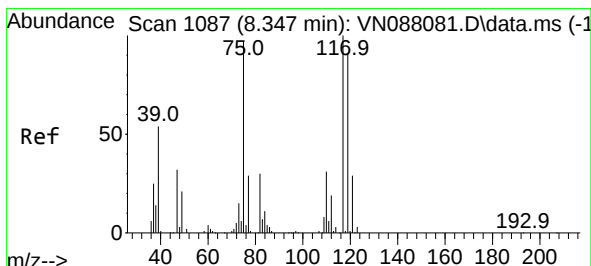
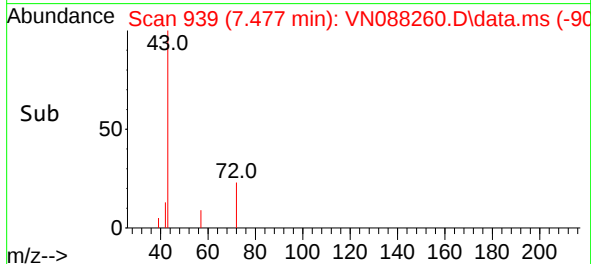
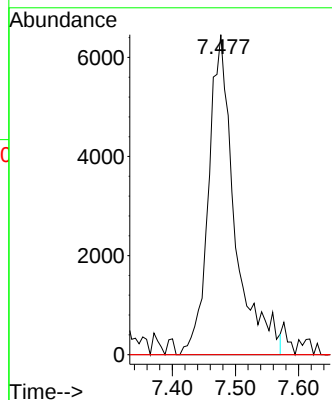
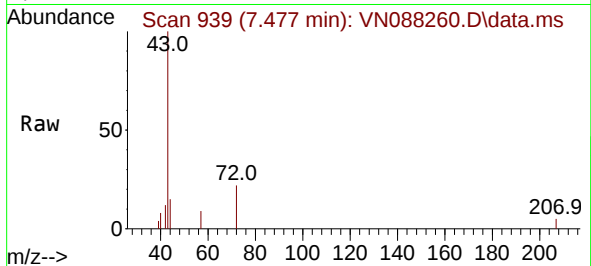




#37
Ethyl Acetate
Concen: 2.811 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.071 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

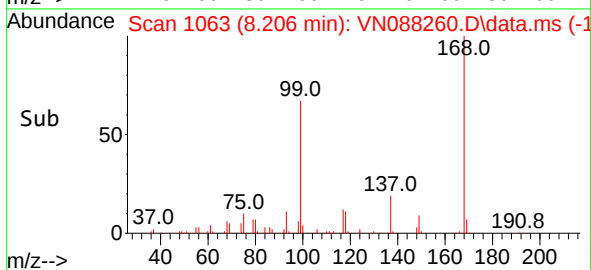
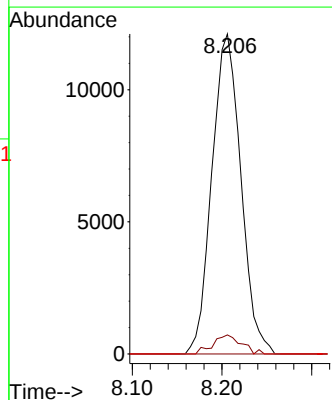
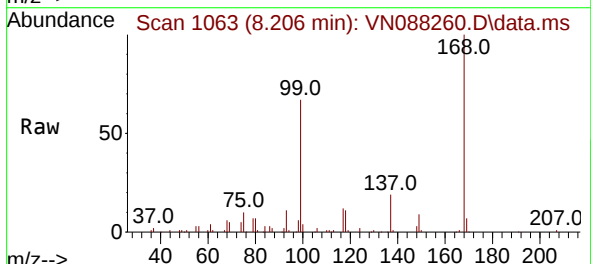
Instrument :
MSVOA_N
ClientSampleId :
TP-5

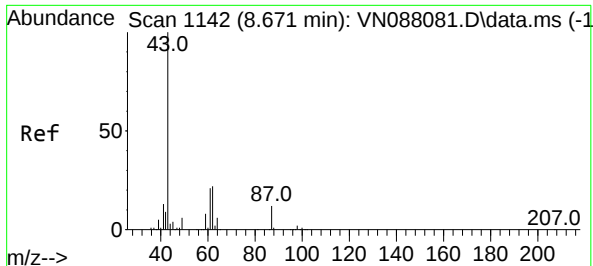
Tgt Ion: 43 Resp: 18693
Ion Ratio Lower Upper
43 100
61 0.0 9.3 13.9#
70 0.0 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.098 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

Tgt Ion: 117 Resp: 27134
Ion Ratio Lower Upper
117 100
119 6.0 79.0 118.6#
121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 2.472 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN088260.D

Acq: 11 Nov 2025 16:08

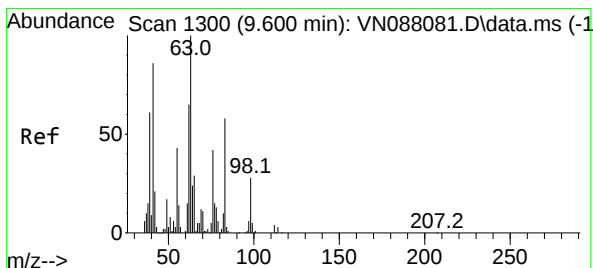
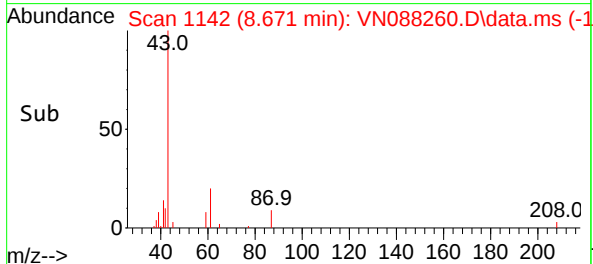
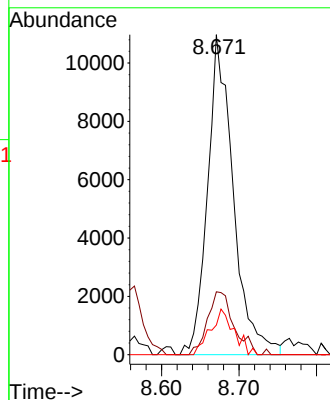
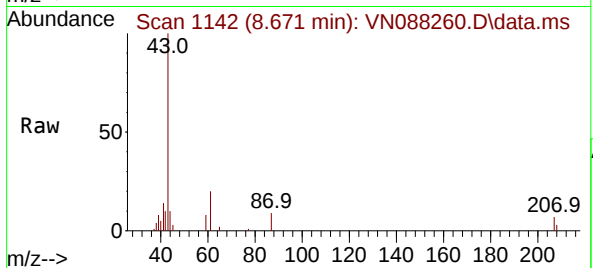
Instrument :

MSVOA_N

ClientSampleId :

TP-5

Tgt Ion:	43	Resp:	25268
Ion	Ratio	Lower	Upper
43	100		
61	20.1	18.8	28.2
87	13.0	9.6	14.4



#45

1,2-Dichloropropane

Concen: 0.273 ug/l

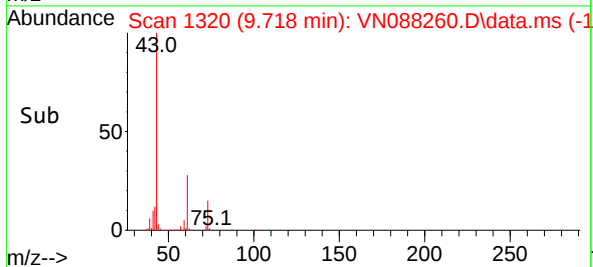
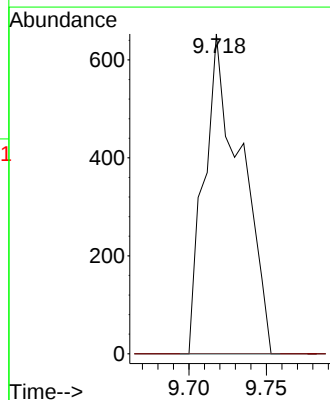
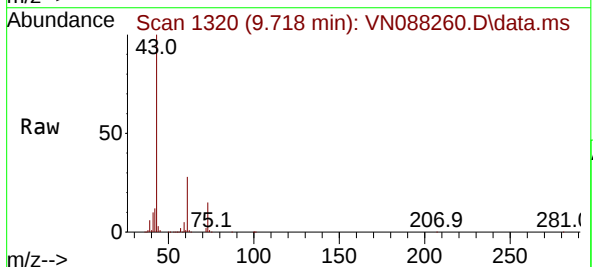
RT: 9.718 min Scan# 1320

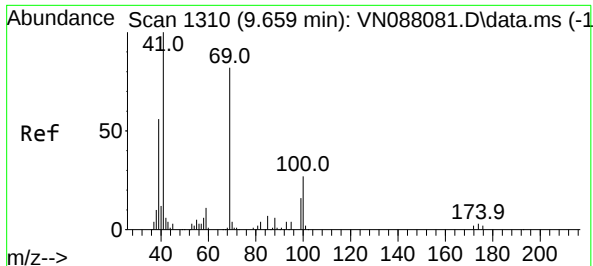
Delta R.T. 0.118 min

Lab File: VN088260.D

Acq: 11 Nov 2025 16:08

Tgt Ion:	63	Resp:	1080
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#





#48

Methyl methacrylate

Concen: 20.503 ug/l

RT: 9.724 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN088260.D

Acq: 11 Nov 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

TP-5

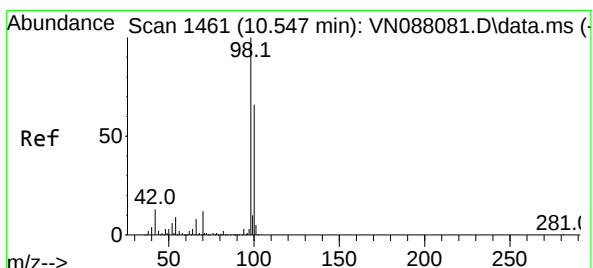
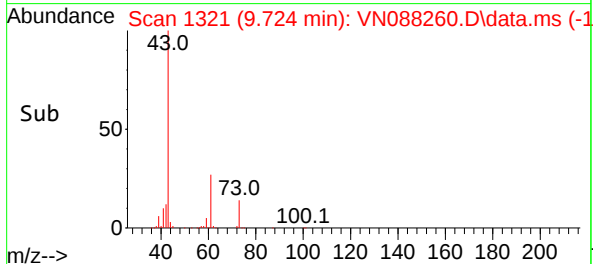
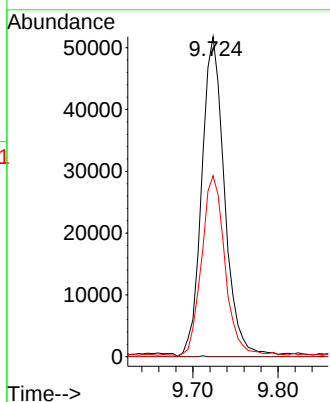
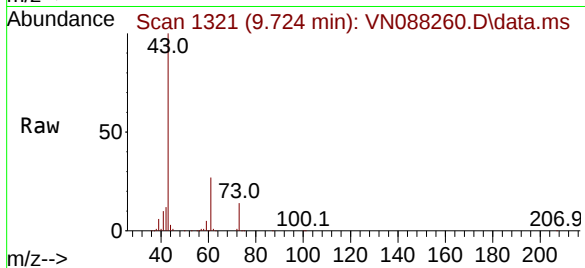
Tgt Ion: 41 Resp: 96740

Ion Ratio Lower Upper

41 100

69 0.1 62.7 94.1#

39 57.2 52.9 79.3



#50

Toluene-d8

Concen: 47.332 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088260.D

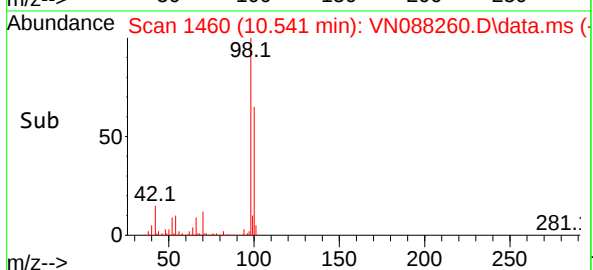
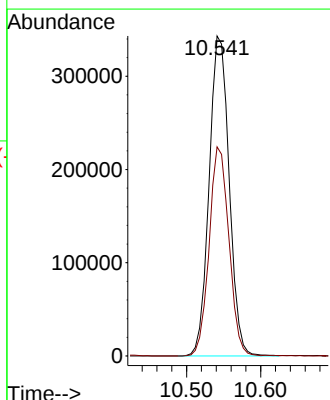
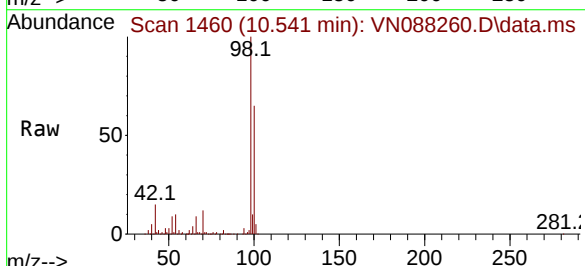
Acq: 11 Nov 2025 16:08

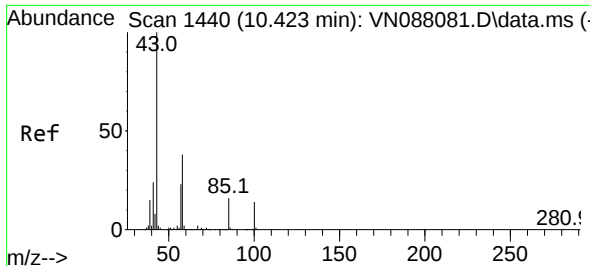
Tgt Ion: 98 Resp: 643738

Ion Ratio Lower Upper

98 100

100 64.7 52.8 79.2

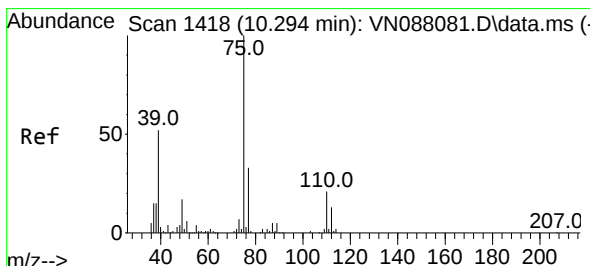
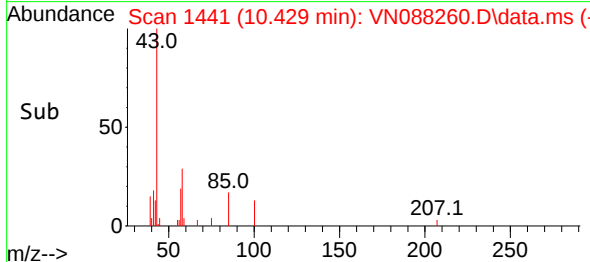
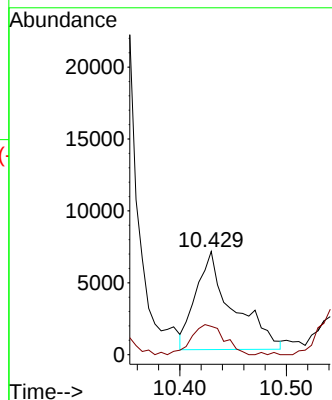
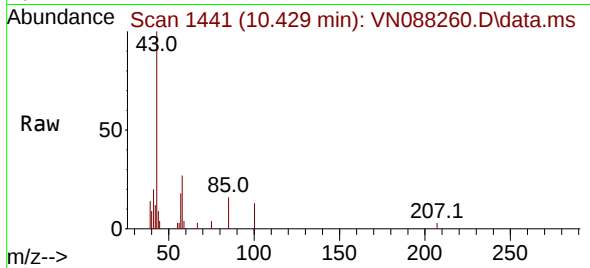




#51
4-Methyl-2-Pentanone
Concen: 2.736 ug/l
RT: 10.429 min Scan# 1440
Delta R.T. 0.006 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

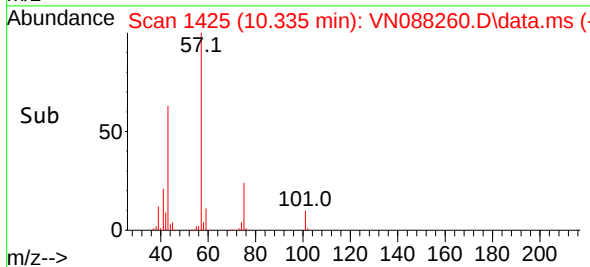
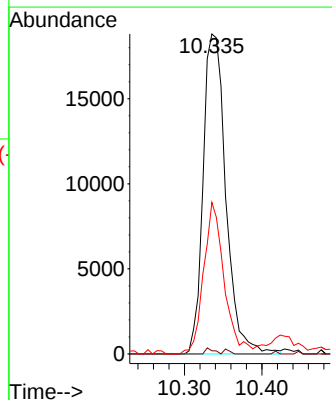
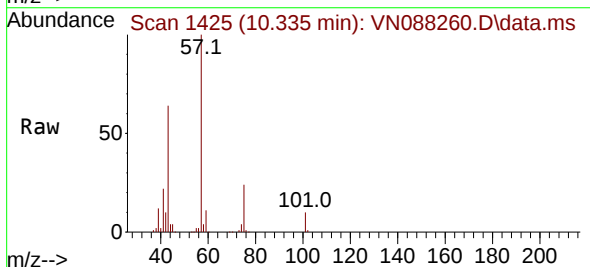
Instrument :
MSVOA_N
ClientSampleId :
TP-5

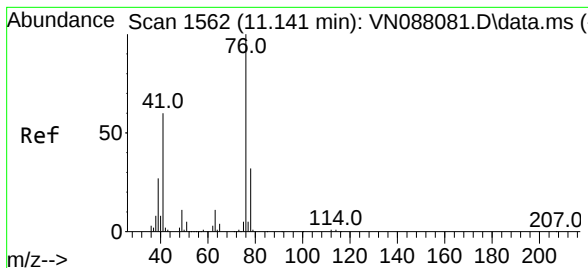
Tgt Ion: 43 Resp: 16541
Ion Ratio Lower Upper
43 100
58 27.1 29.6 44.4#



#54
cis-1,3-Dichloropropene
Concen: 6.003 ug/l
RT: 10.335 min Scan# 1425
Delta R.T. 0.047 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

Tgt Ion: 75 Resp: 38359
Ion Ratio Lower Upper
75 100
77 1.0 24.6 37.0#
39 47.3 45.2 67.8

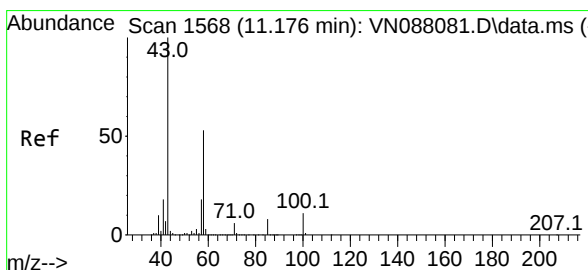
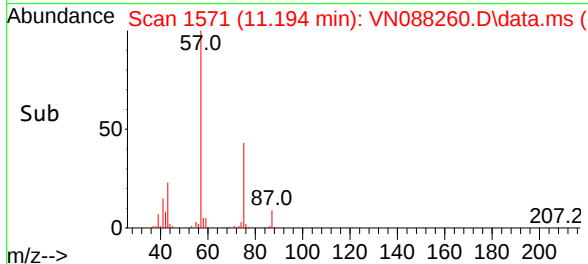
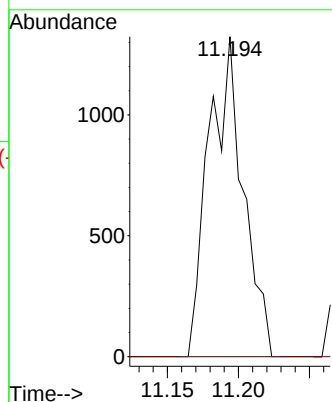
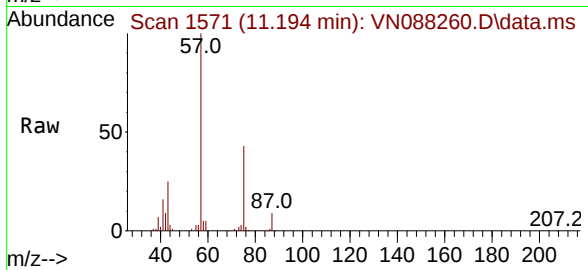




#57
1,3-Dichloropropane
Concen: 0.346 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.053 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

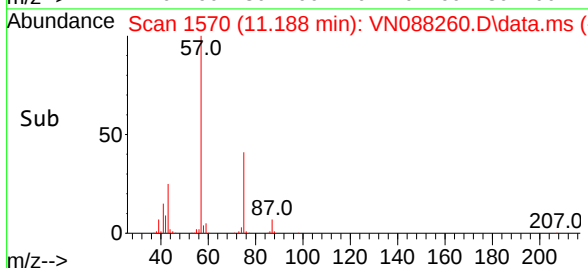
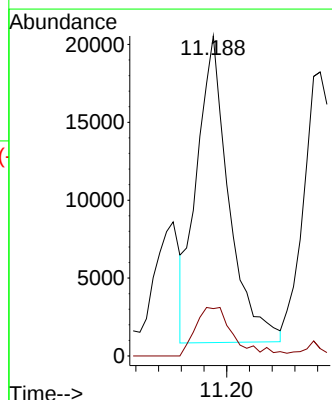
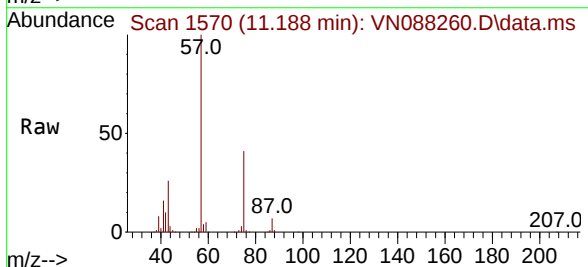
Instrument :
MSVOA_N
ClientSampleId :
TP-5

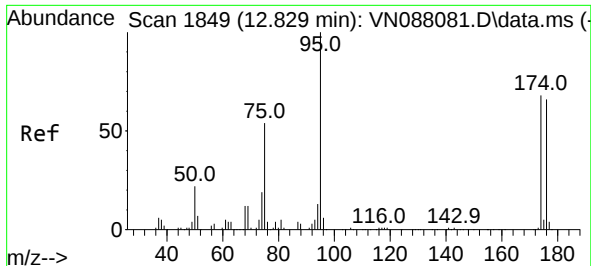
Tgt Ion: 76 Resp: 2231
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 9.608 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. 0.012 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

Tgt Ion: 43 Resp: 38534
Ion Ratio Lower Upper
43 100
58 18.9 25.9 77.8#

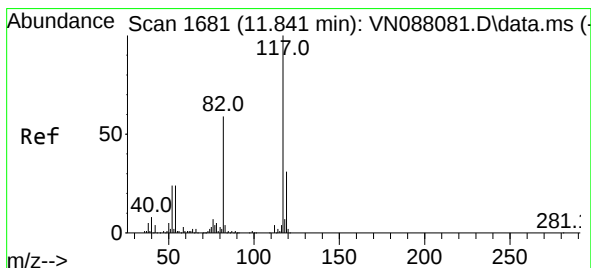
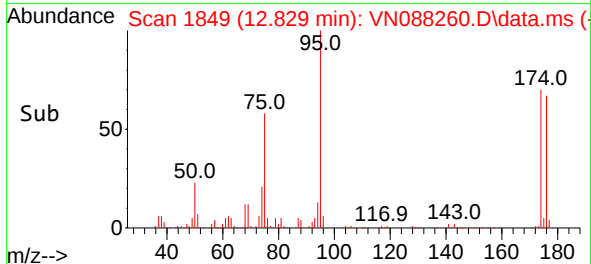
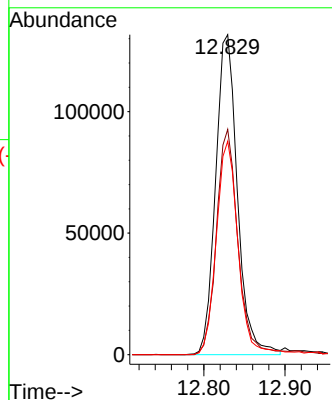
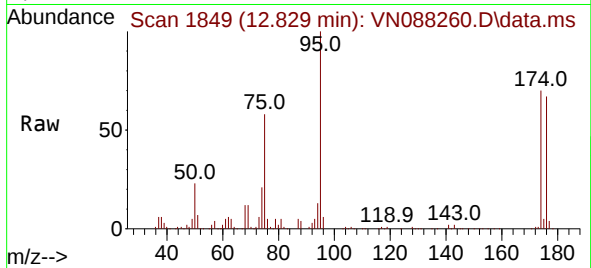




#62
4-Bromofluorobenzene
Concen: 51.187 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

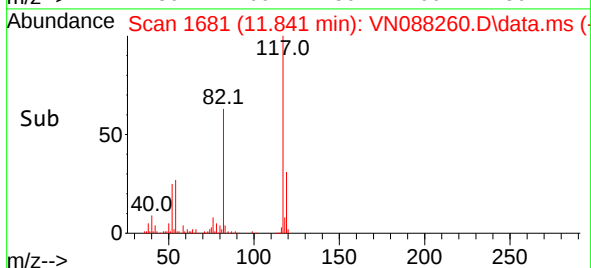
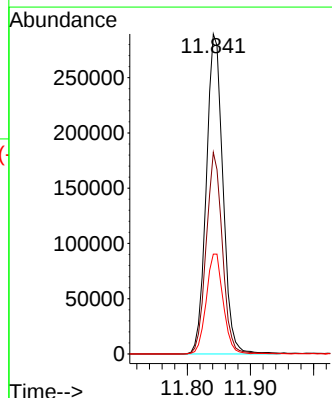
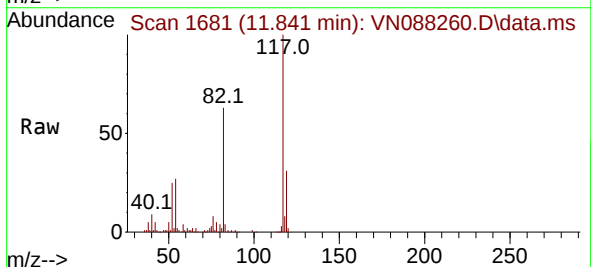
Instrument :
MSVOA_N
ClientSampleId :
TP-5

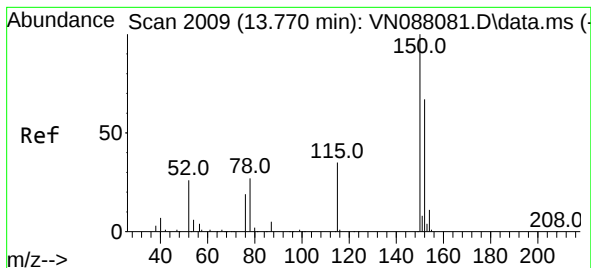
Tgt Ion: 95 Resp: 245858
Ion Ratio Lower Upper
95 100
174 69.5 0.0 138.4
176 66.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

Tgt Ion: 117 Resp: 529264
Ion Ratio Lower Upper
117 100
82 63.0 47.4 71.2
119 31.2 24.3 36.5

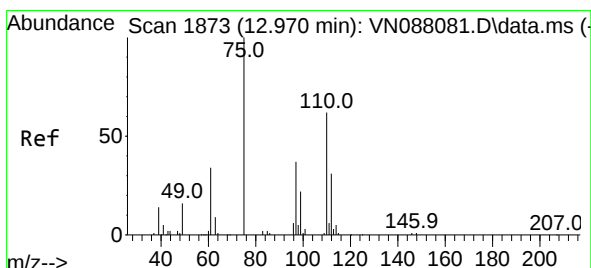
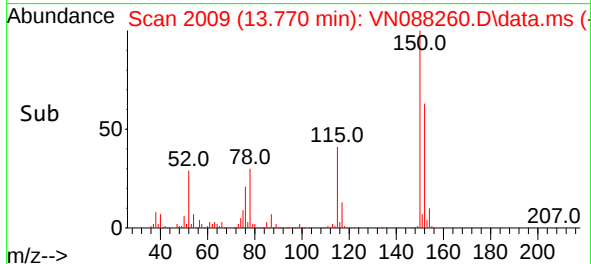
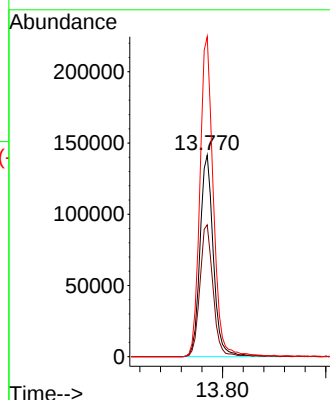
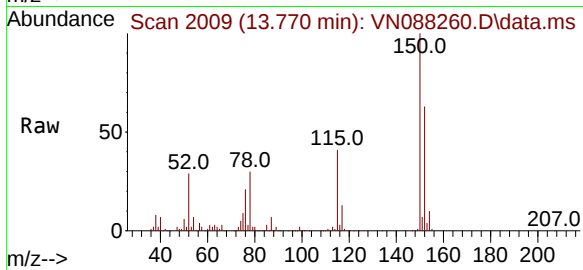




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

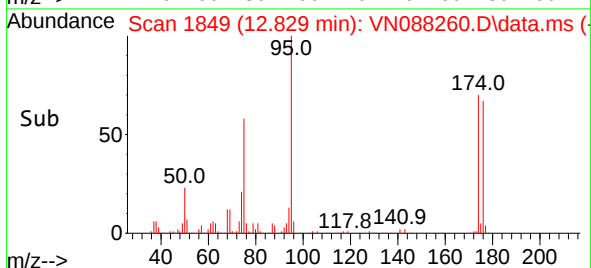
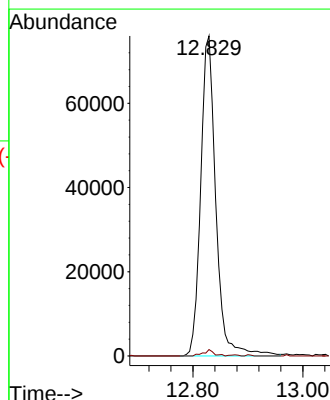
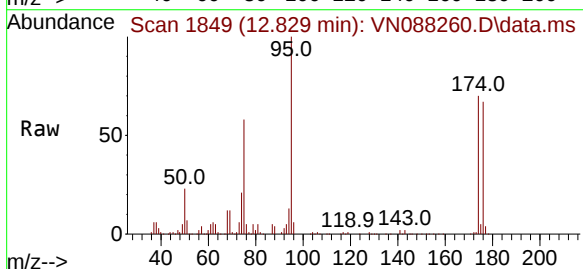
Instrument :
MSVOA_N
ClientSampleId :
TP-5

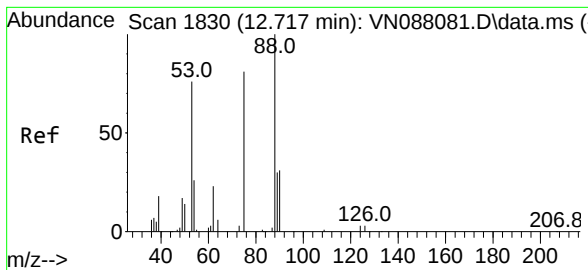
Tgt Ion:152 Resp: 254198
Ion Ratio Lower Upper
152 100
115 64.2 32.3 96.8
150 158.8 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 25.060 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088260.D
Acq: 11 Nov 2025 16:08

Tgt Ion: 75 Resp: 145642
Ion Ratio Lower Upper
75 100
77 1.4 89.1 267.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.905 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088260.D
 Acq: 11 Nov 2025 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Tgt Ion: 75 Resp: 145642
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 35.6 53.4#

