

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
 Data File : VN087836.D
 Acq On : 15 Sep 2025 14:41
 Operator : JC\MD
 Sample : Q3092-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 279182

Quant Time: Sep 16 01:38:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	167937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	381423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	378732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	173457	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	180797	52.544	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.080%
35) Dibromofluoromethane	8.153	113	144632	52.520	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.040%
50) Toluene-d8	10.547	98	518056	50.261	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.520%
62) 4-Bromofluorobenzene	12.829	95	170688	46.565	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.140%

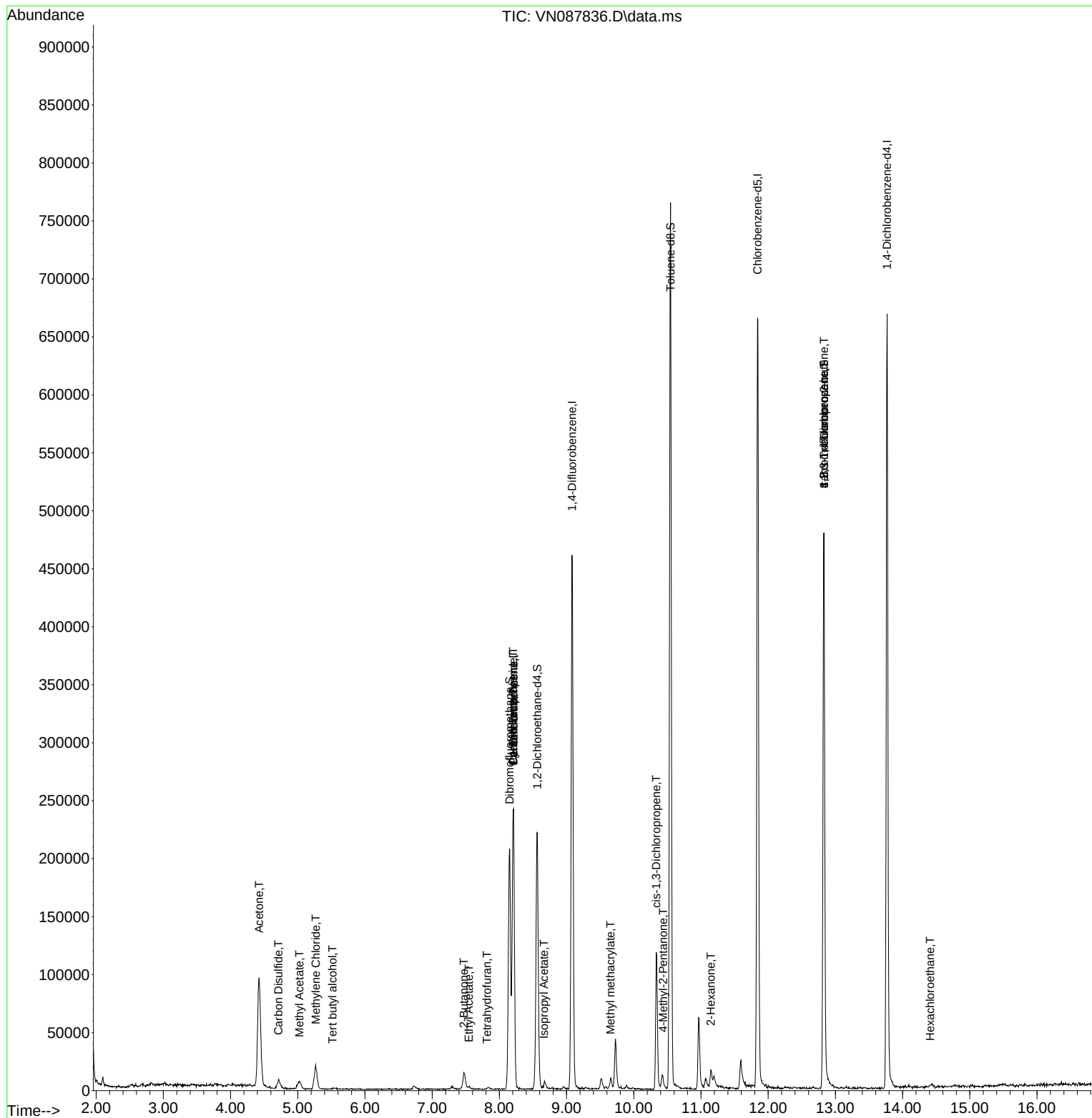
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	593	0.993	ug/l #	71
16) Acetone	4.424	43	189640	101.245	ug/l	96
17) Carbon Disulfide	4.712	76	1441	0.216	ug/l #	74
18) Methyl Acetate	5.024	43	15450	3.939	ug/l	98
20) Methylene Chloride	5.271	84	14391	4.174	ug/l #	85
25) 2-Butanone	7.471	43	24097	9.779	ug/l	92
29) Tetrahydrofuran	7.818	42	364	0.230	ug/l #	34
31) Cyclohexane	8.206	56	5085	1.175	ug/l #	26
36) 1,1-Dichloropropene	8.206	75	16070	3.804	ug/l #	53
37) Ethyl Acetate	7.547	43	2830	0.490	ug/l #	89
38) Carbon Tetrachloride	8.206	117	19061	4.570	ug/l #	13
43) Isopropyl Acetate	8.665	43	6607	0.733	ug/l #	58
48) Methyl methacrylate	9.653	41	2105	0.494	ug/l #	34
51) 4-Methyl-2-Pentanone	10.435	43	10156	1.868	ug/l	92
54) cis-1,3-Dichloropropene	10.335	75	20976	3.918	ug/l #	66
59) 2-Hexanone	11.147	43	12780	3.719	ug/l #	26
76) 1,2,3-Trichloropropane	12.829	75	95532	23.486	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	95532	62.176	ug/l #	1
90) Hexachloroethane	14.411	117	822	0.355	ug/l #	22

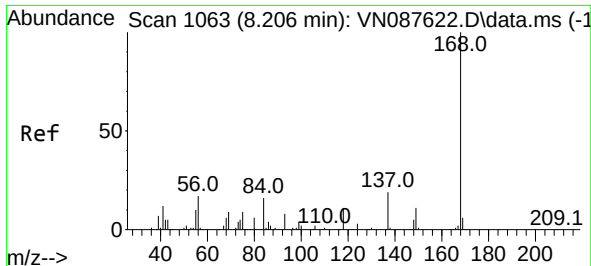
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
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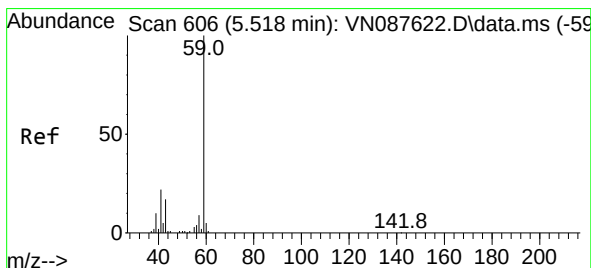
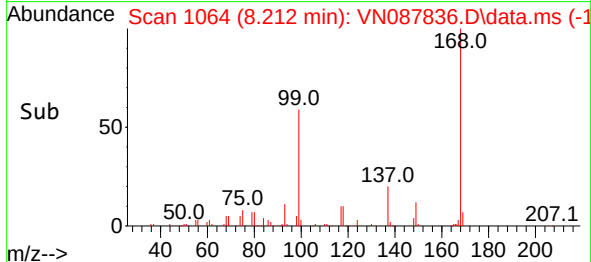
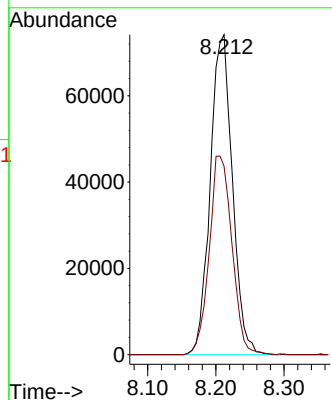
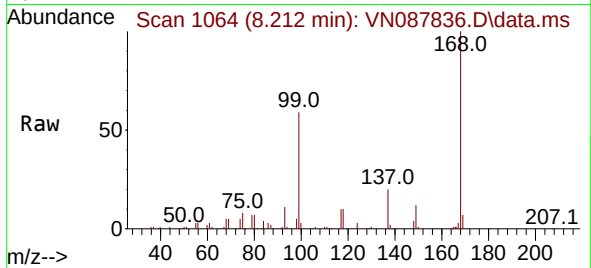




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

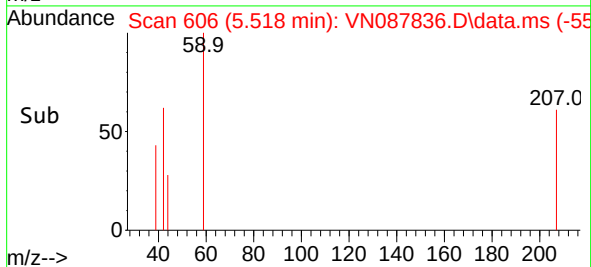
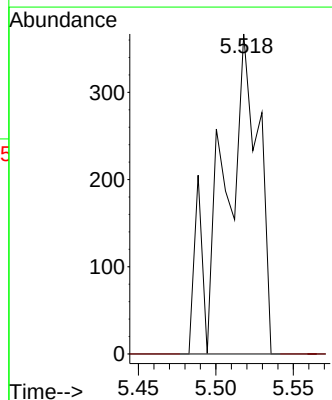
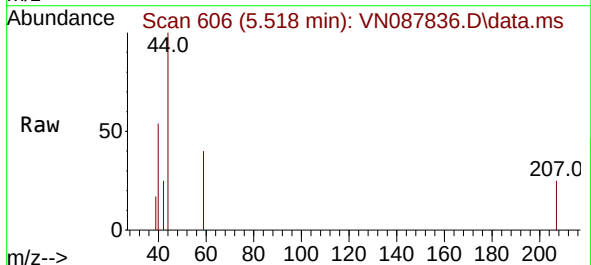
Instrument :
MSVOA_N
ClientSampleId :
279182

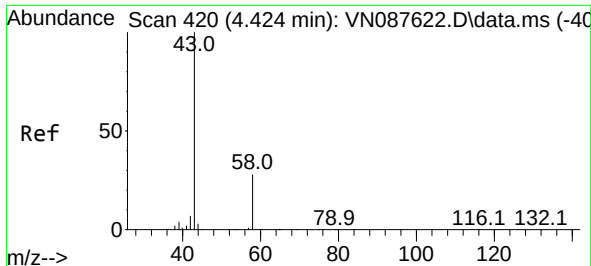
Tgt Ion:168 Resp: 167937
Ion Ratio Lower Upper
168 100
99 58.9 57.2 85.8



#11
Tert butyl alcohol
Concen: 0.993 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

Tgt Ion: 59 Resp: 593
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

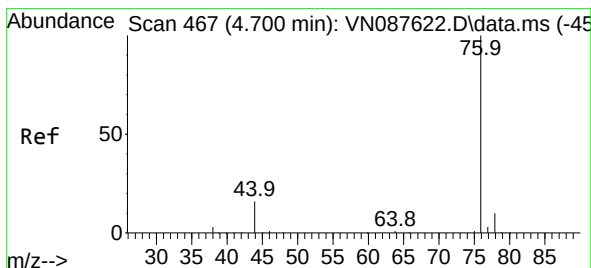
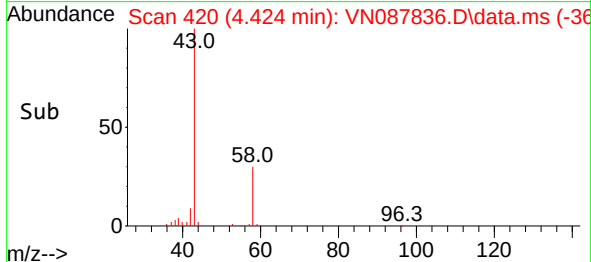
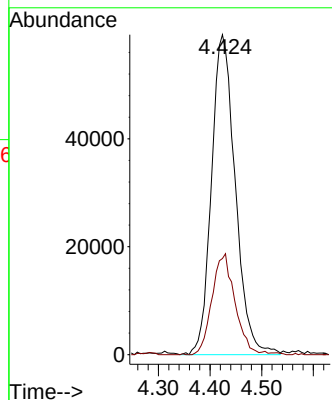
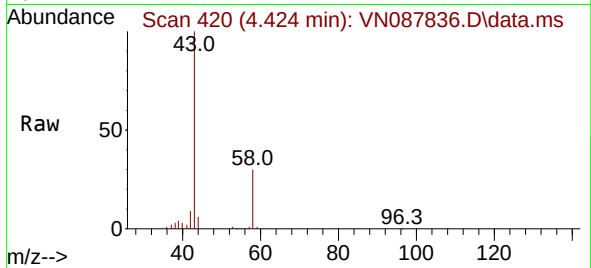




#16
Acetone
Concen: 101.245 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

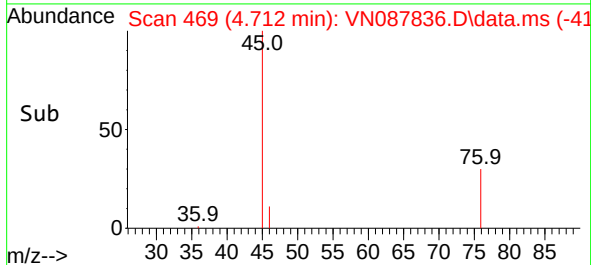
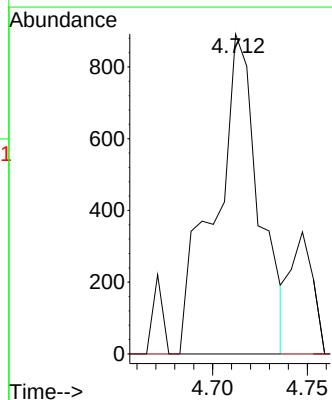
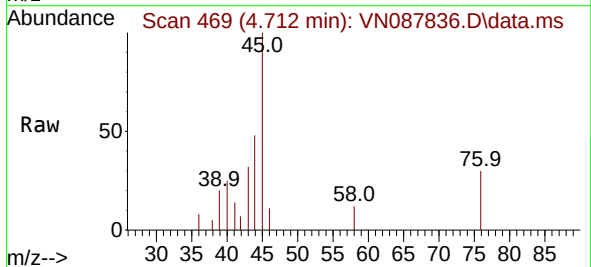
Instrument :
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ClientSampleId :
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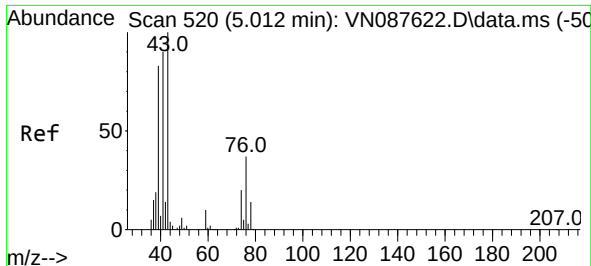
Tgt Ion: 43 Resp: 189640
Ion Ratio Lower Upper
43 100
58 30.1 22.6 33.8



#17
Carbon Disulfide
Concen: 0.216 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.012 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

Tgt Ion: 76 Resp: 1441
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

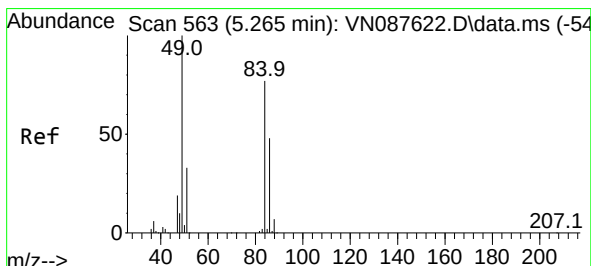
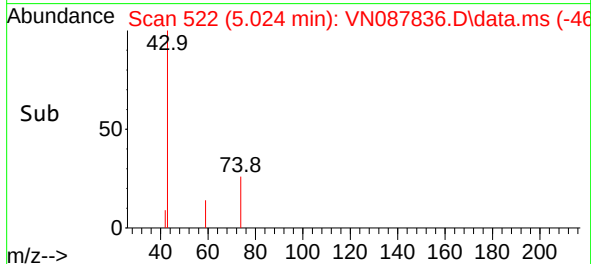
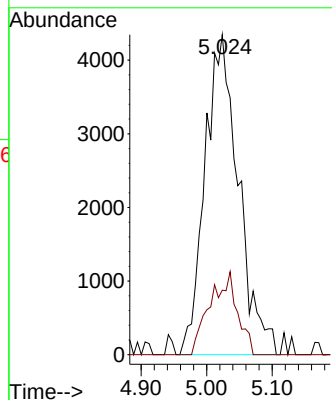
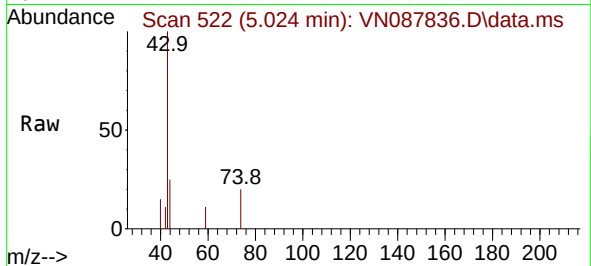




#18
Methyl Acetate
Concen: 3.939 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

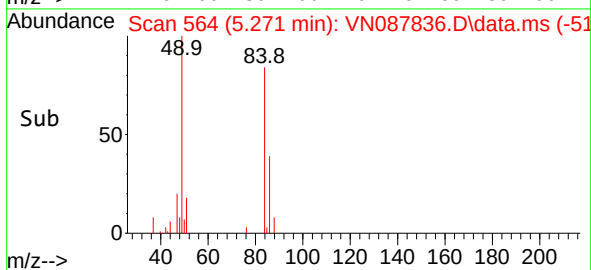
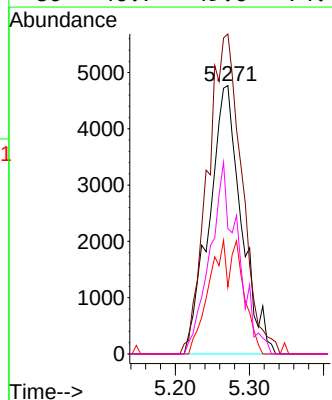
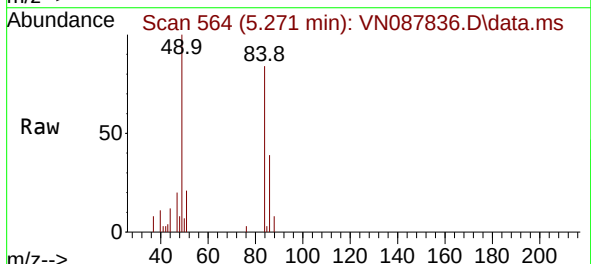
Instrument :
MSVOA_N
ClientSampleId :
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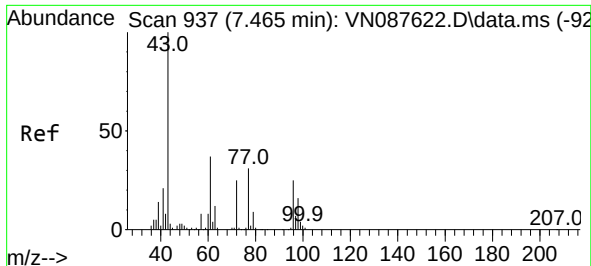
Tgt Ion: 43 Resp: 15450
Ion Ratio Lower Upper
43 100
74 21.0 17.6 26.4



#20
Methylene Chloride
Concen: 4.174 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

Tgt Ion: 84 Resp: 14391
Ion Ratio Lower Upper
84 100
49 119.2 103.4 155.2
51 24.9 33.8 50.8#
86 46.7 49.6 74.4#

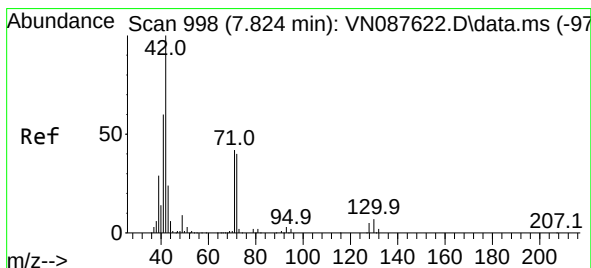
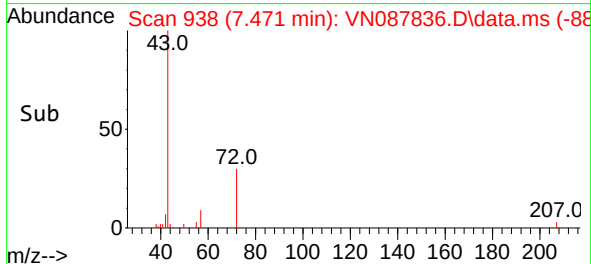
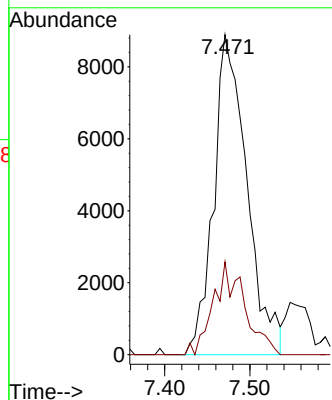
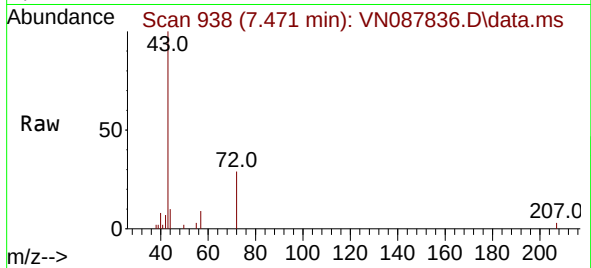




#25
2-Butanone
Concen: 9.779 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

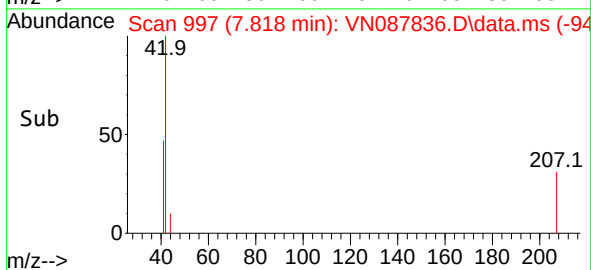
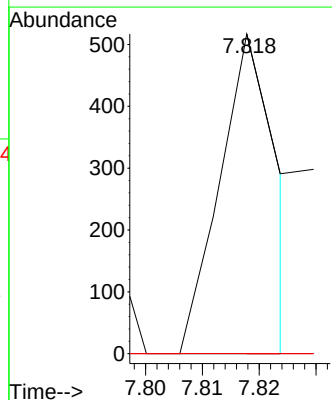
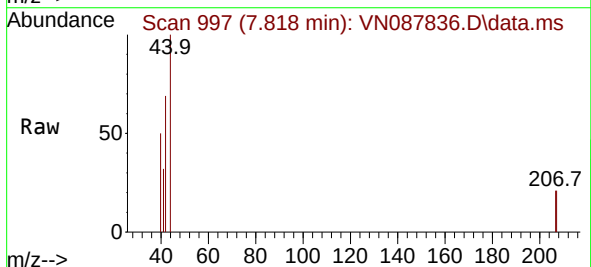
Instrument :
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ClientSampleId :
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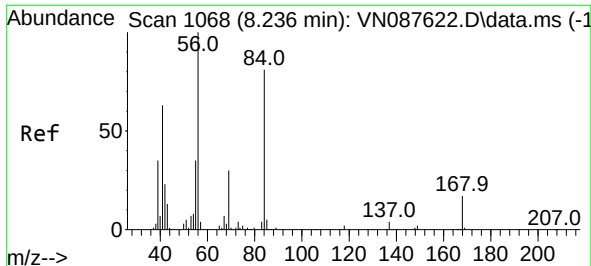
Tgt Ion: 43 Resp: 24097
Ion Ratio Lower Upper
43 100
72 29.0 19.9 29.9



#29
Tetrahydrofuran
Concen: 0.230 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

Tgt Ion: 42 Resp: 364
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.9 47.9#

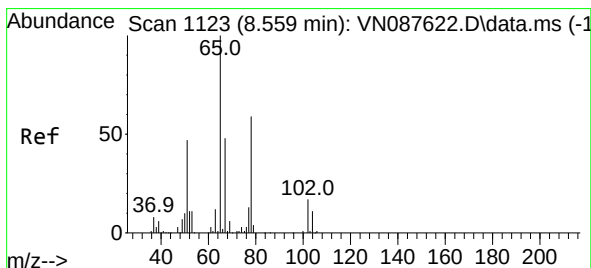
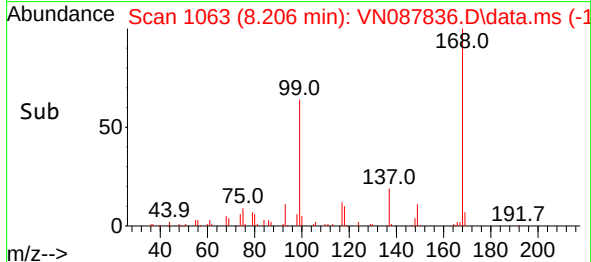
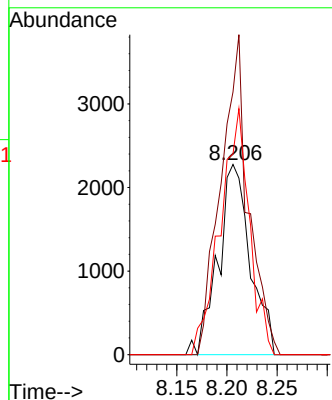
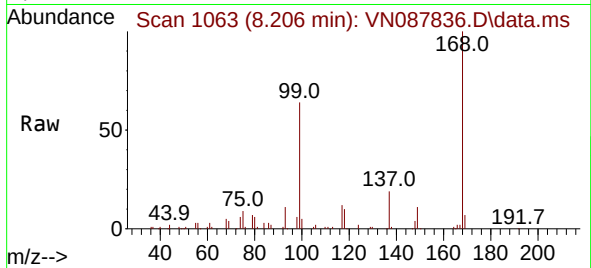




#31
Cyclohexane
Concen: 1.175 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

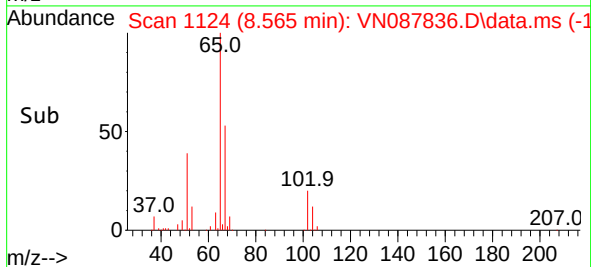
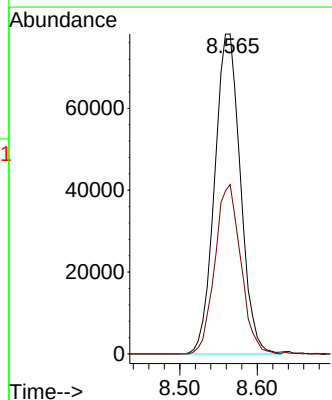
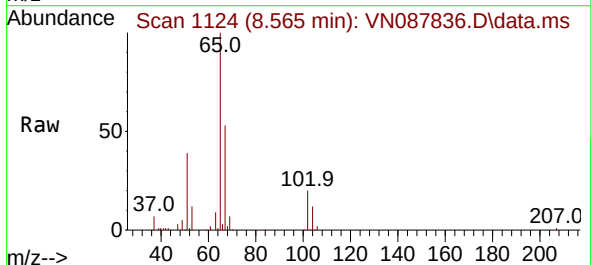
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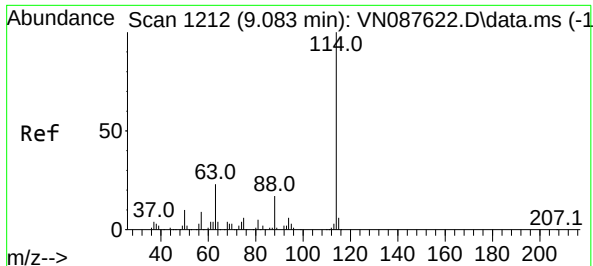
Tgt Ion: 56 Resp: 5085
Ion Ratio Lower Upper
56 100
69 138.2 23.7 35.5#
84 105.6 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 52.544 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

Tgt Ion: 65 Resp: 180797
Ion Ratio Lower Upper
65 100
67 53.1 0.0 100.0

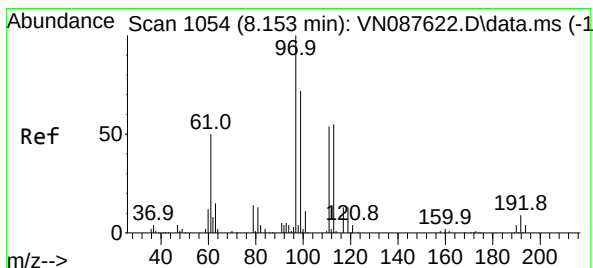
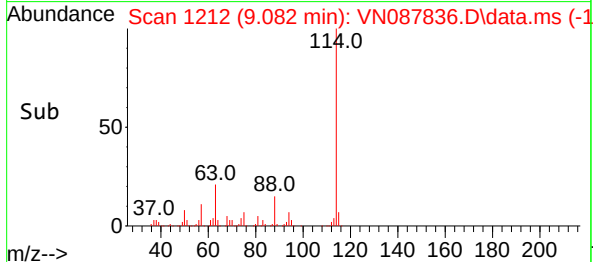
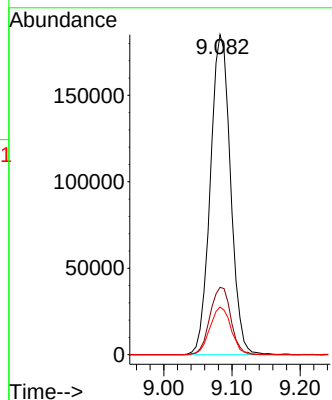
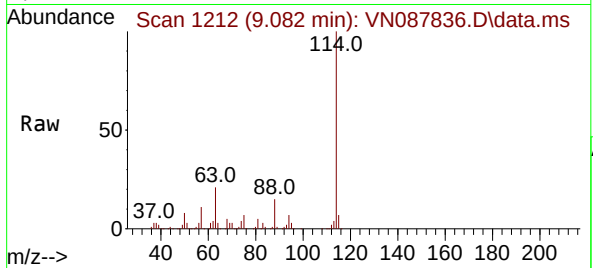




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

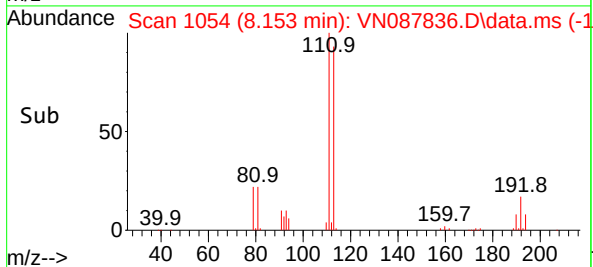
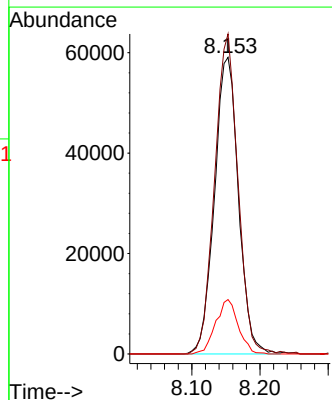
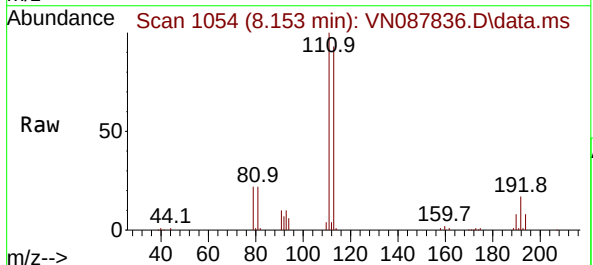
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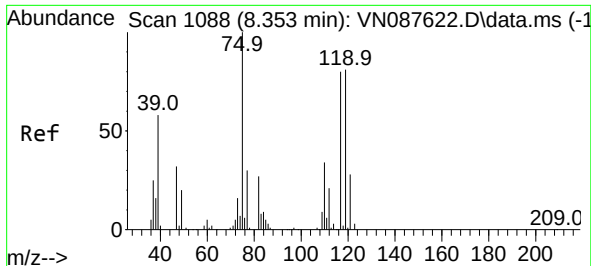
Tgt Ion:114 Resp: 381423
Ion Ratio Lower Upper
114 100
63 21.0 0.0 45.2
88 14.9 0.0 33.4



#35
Dibromofluoromethane
Concen: 52.520 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

Tgt Ion:113 Resp: 144632
Ion Ratio Lower Upper
113 100
111 104.5 82.8 124.2
192 17.3 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.804 ug/l

RT: 8.206 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN087836.D

Acq: 15 Sep 2025 14:41

Instrument :

MSVOA_N

ClientSampleId :

279182

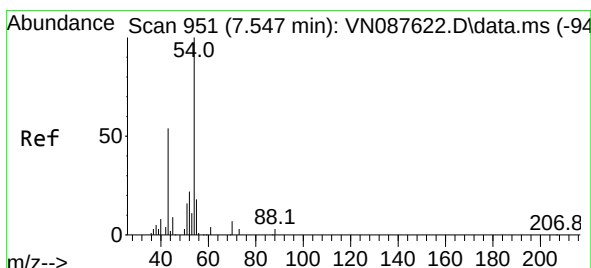
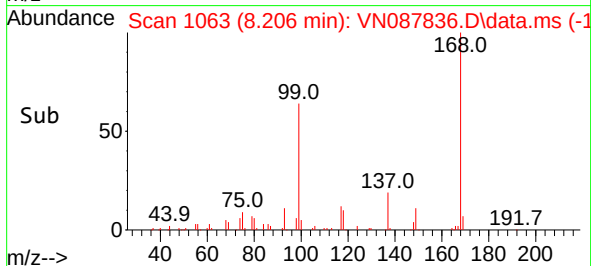
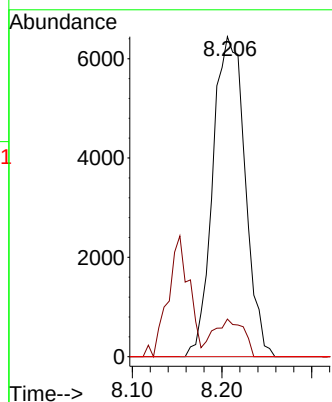
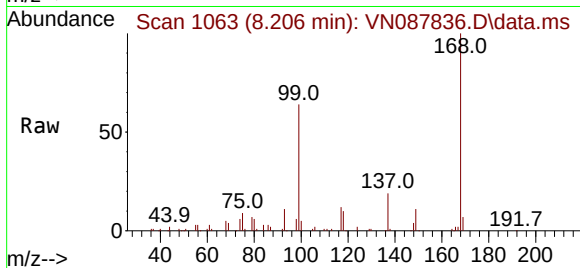
Tgt Ion: 75 Resp: 16070

Ion Ratio Lower Upper

75 100

110 10.3 15.9 47.6#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.490 ug/l

RT: 7.547 min Scan# 951

Delta R.T. -0.000 min

Lab File: VN087836.D

Acq: 15 Sep 2025 14:41

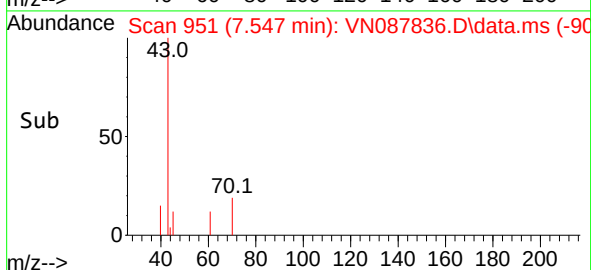
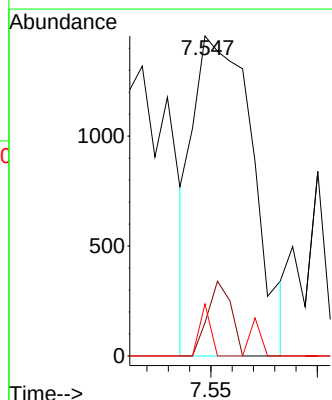
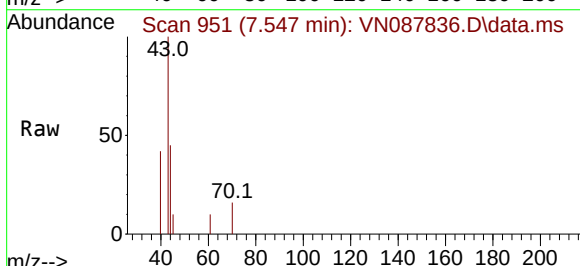
Tgt Ion: 43 Resp: 2830

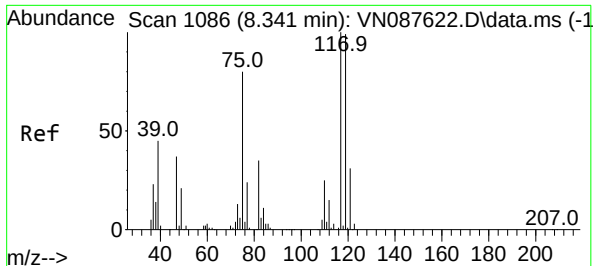
Ion Ratio Lower Upper

43 100

61 9.2 9.3 13.9#

70 2.9 7.0 10.6#

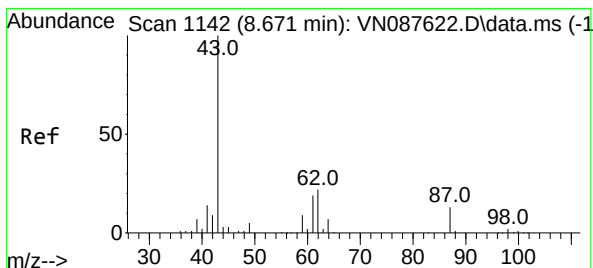
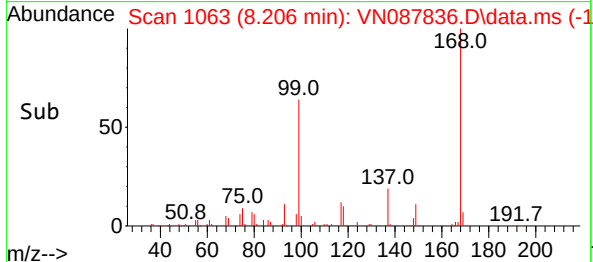
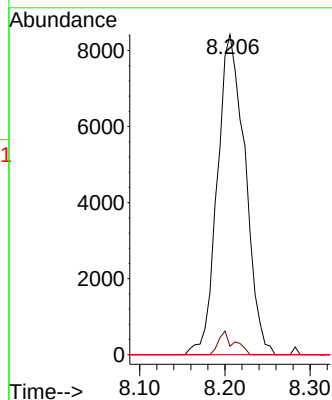
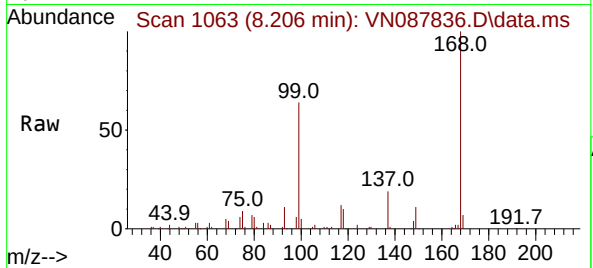




#38
Carbon Tetrachloride
Concen: 4.570 ug/l
RT: 8.206 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

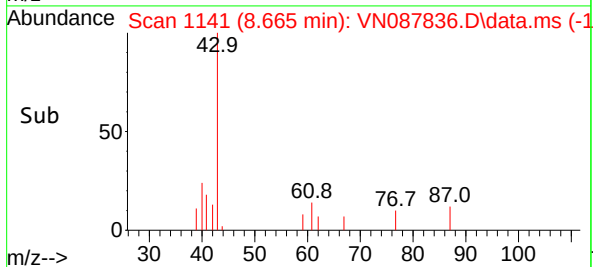
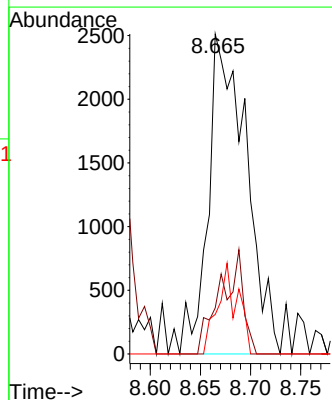
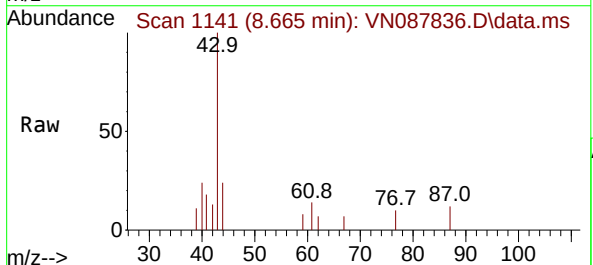
Instrument :
MSVOA_N
ClientSampleId :
279182

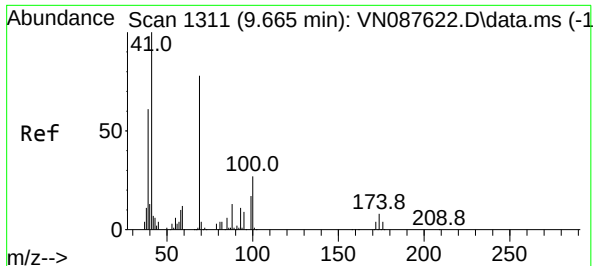
Tgt Ion:117 Resp: 19061
Ion Ratio Lower Upper
117 100
119 2.6 79.0 118.6#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 0.733 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

Tgt Ion: 43 Resp: 6607
Ion Ratio Lower Upper
43 100
61 0.0 18.8 28.2#
87 0.0 9.6 14.4#

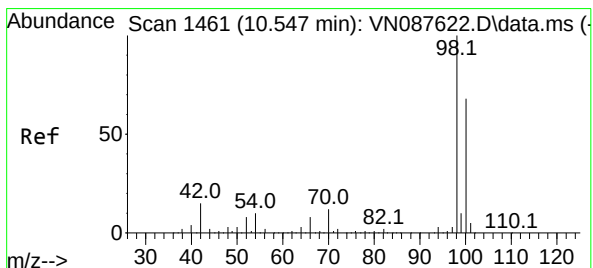
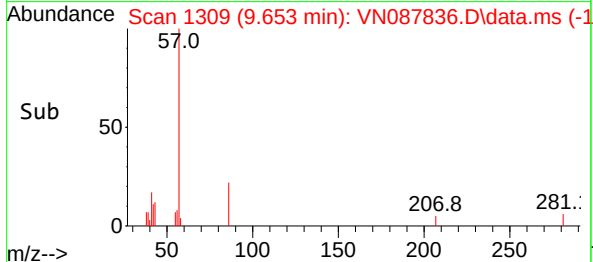
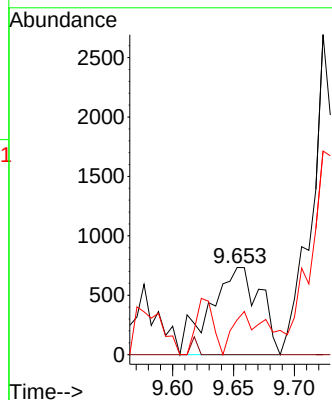
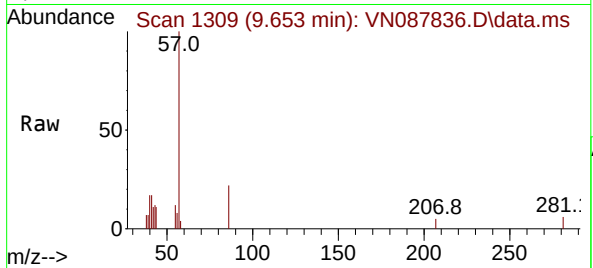




#48
Methyl methacrylate
Concen: 0.494 ug/l
RT: 9.653 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

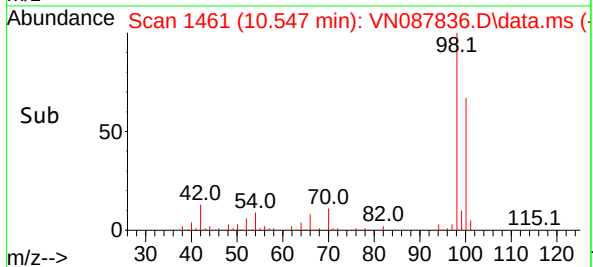
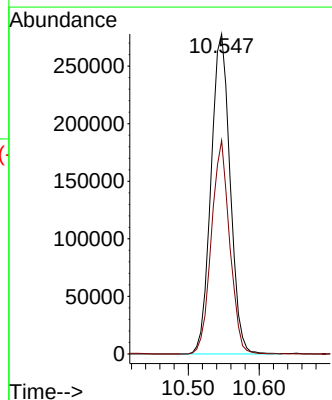
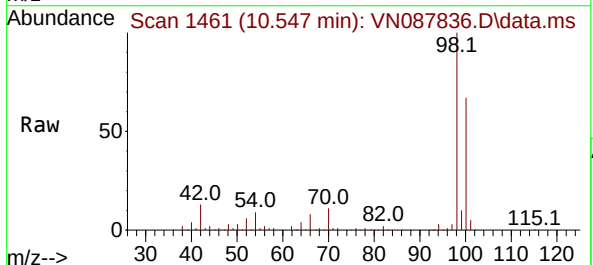
Instrument :
MSVOA_N
ClientSampleId :
279182

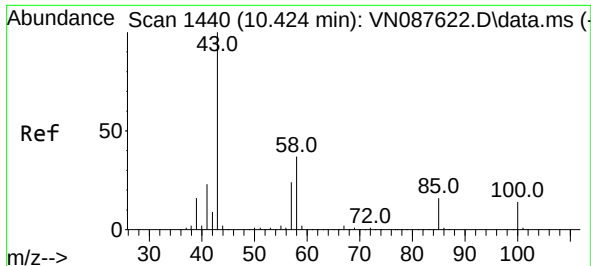
Tgt Ion: 41 Resp: 2105
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 36.6 52.9 79.3#



#50
Toluene-d8
Concen: 50.261 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

Tgt Ion: 98 Resp: 518056
Ion Ratio Lower Upper
98 100
100 63.7 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 1.868 ug/l

RT: 10.435 min Scan# 1440

Delta R.T. 0.012 min

Lab File: VN087836.D

Acq: 15 Sep 2025 14:41

Instrument :

MSVOA_N

ClientSampleId :

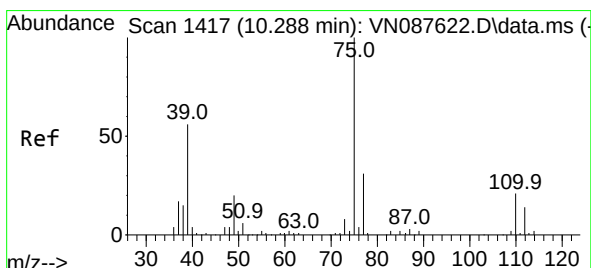
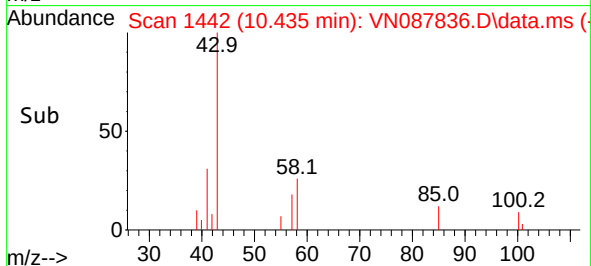
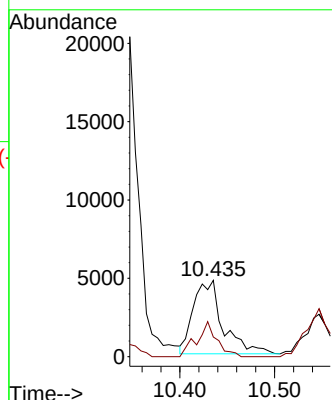
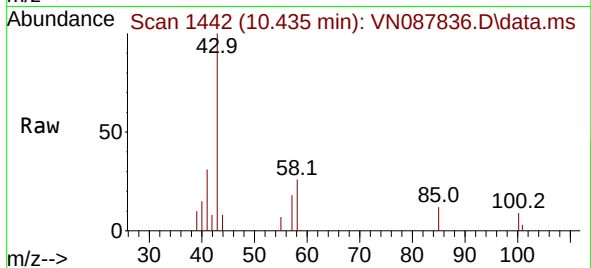
279182

Tgt Ion: 43 Resp: 10156

Ion Ratio Lower Upper

43 100

58 32.4 29.6 44.4



#54

cis-1,3-Dichloropropene

Concen: 3.918 ug/l

RT: 10.335 min Scan# 1425

Delta R.T. 0.047 min

Lab File: VN087836.D

Acq: 15 Sep 2025 14:41

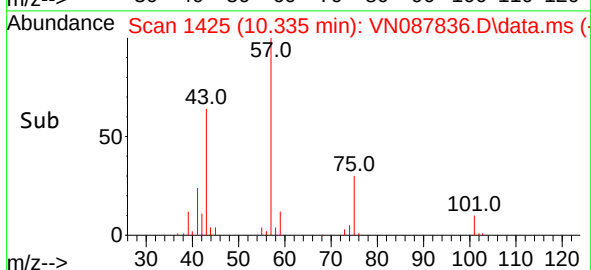
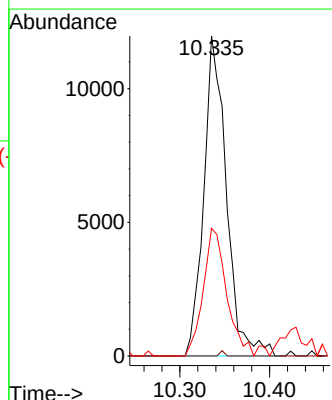
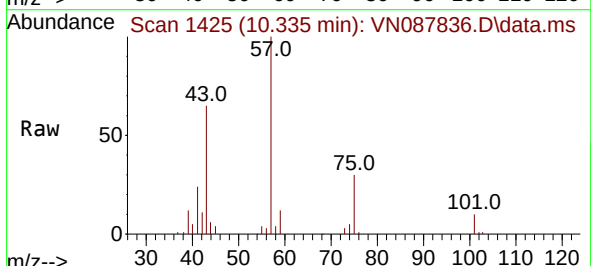
Tgt Ion: 75 Resp: 20976

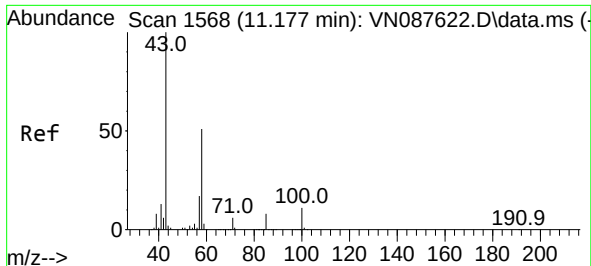
Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 39.9 45.2 67.8#

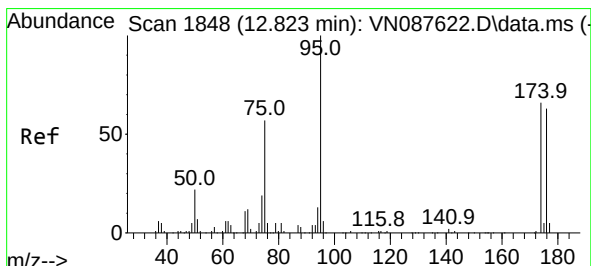
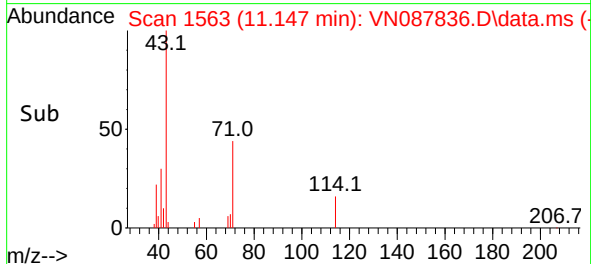
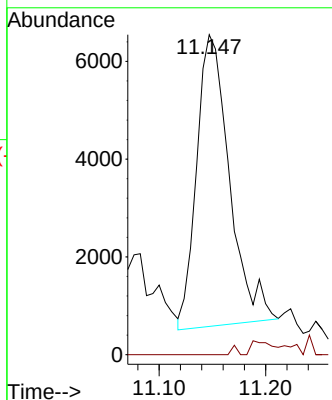
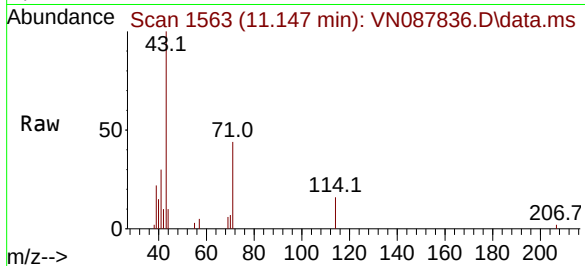




#59
2-Hexanone
Concen: 3.719 ug/l
RT: 11.147 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

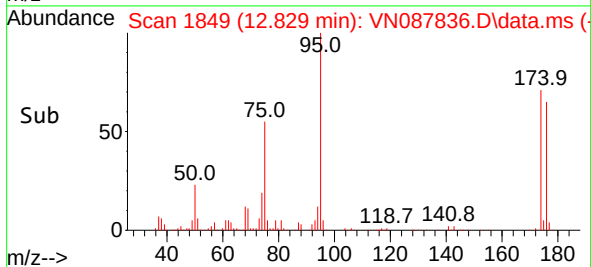
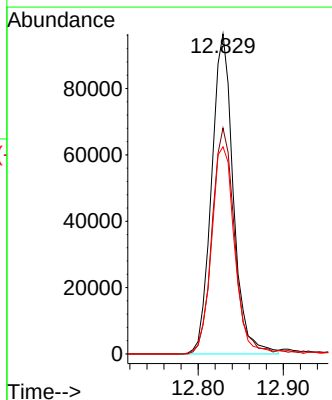
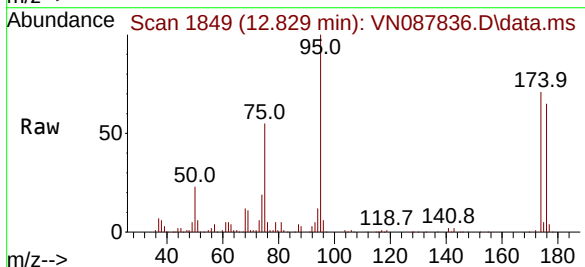
Instrument :
MSVOA_N
ClientSampleId :
279182

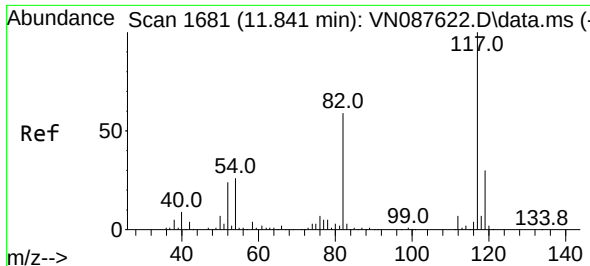
Tgt Ion: 43 Resp: 12780
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 46.565 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

Tgt Ion: 95 Resp: 170688
Ion Ratio Lower Upper
95 100
174 73.6 0.0 138.4
176 68.6 0.0 132.6

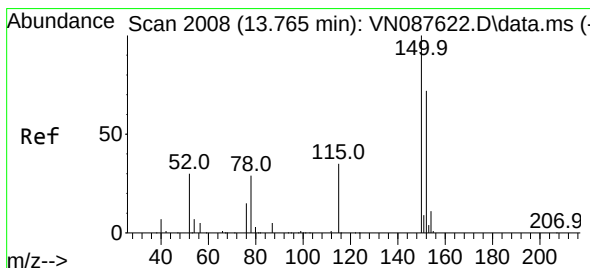
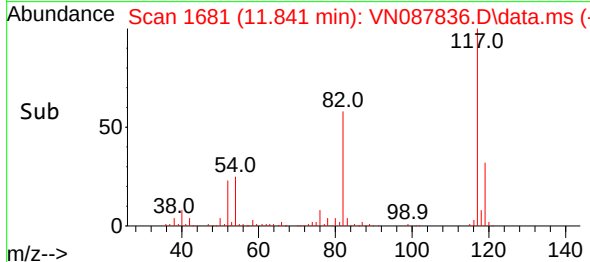
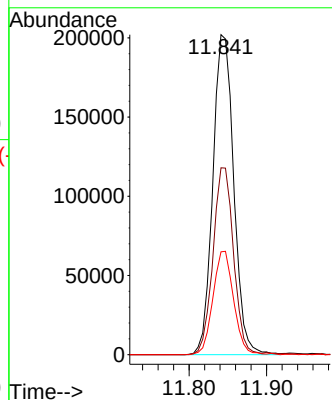
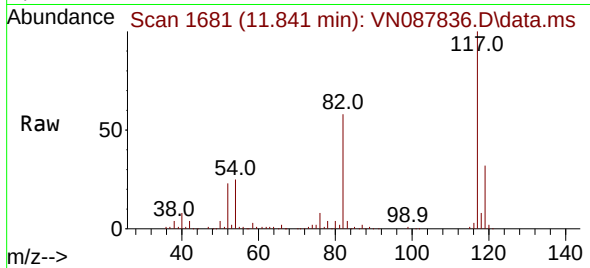




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

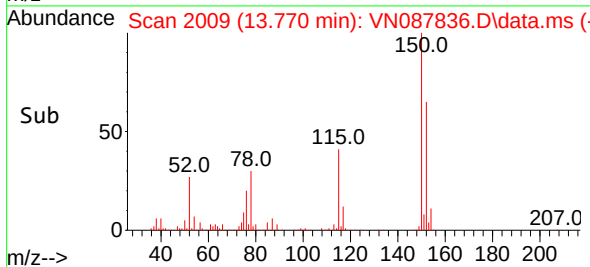
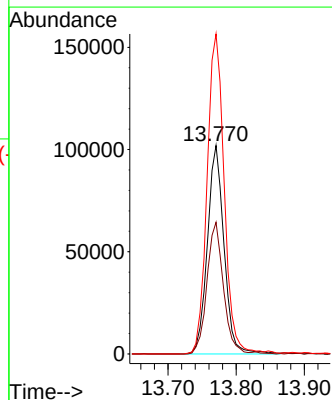
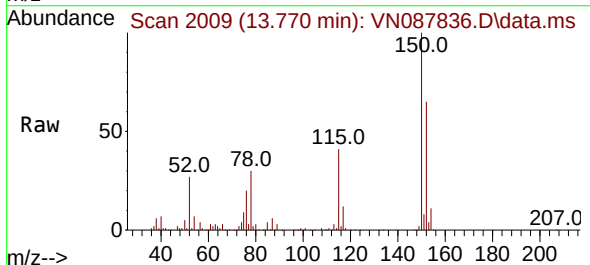
Instrument :
MSVOA_N
ClientSampleId :
279182

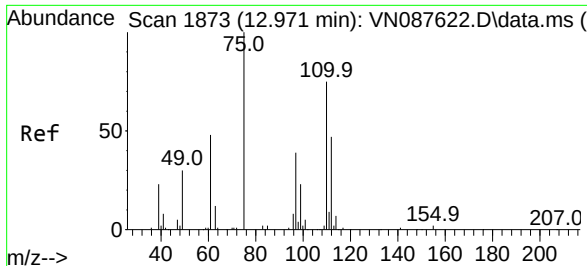
Tgt Ion:117 Resp: 378732
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 32.1 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

Tgt Ion:152 Resp: 173457
Ion Ratio Lower Upper
152 100
115 62.9 32.3 96.8
150 158.1 0.0 351.0

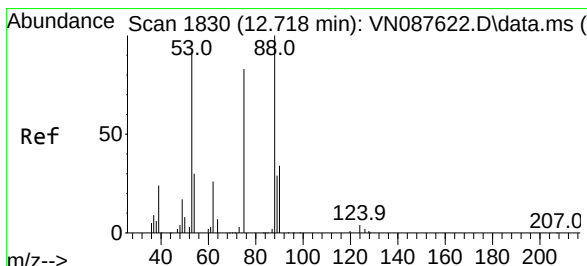
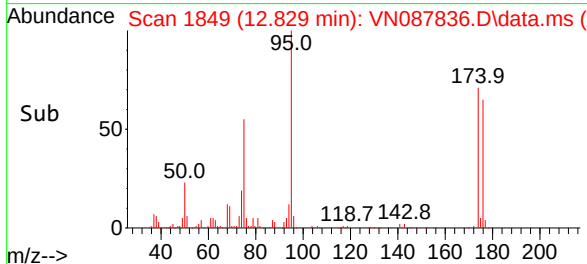
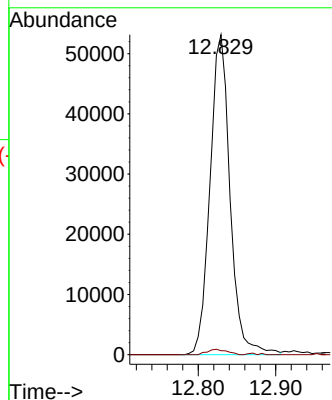
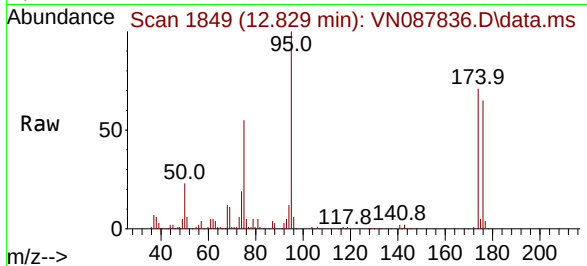




#76
1,2,3-Trichloropropane
Concen: 23.486 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

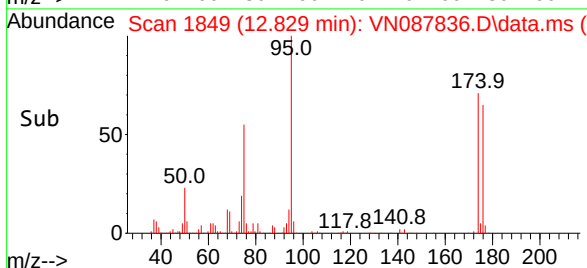
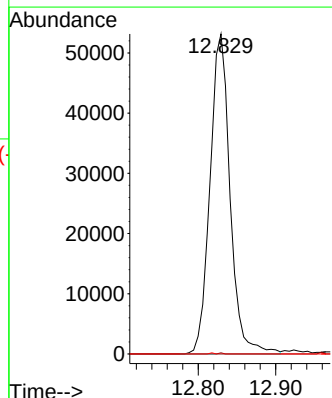
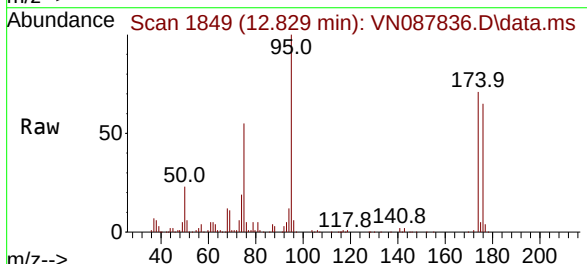
Instrument :
MSVOA_N
ClientSampleId :
279182

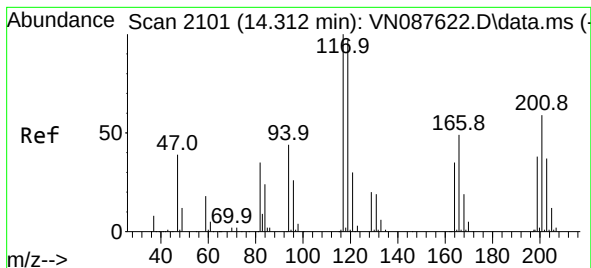
Tgt Ion: 75 Resp: 95532
Ion Ratio Lower Upper
75 100
77 1.7 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.176 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087836.D
Acq: 15 Sep 2025 14:41

Tgt Ion: 75 Resp: 95532
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.1 35.6 53.4#





#90

Hexachloroethane

Concen: 0.355 ug/l

RT: 14.411 min Scan# 21

Delta R.T. 0.100 min

Lab File: VN087836.D

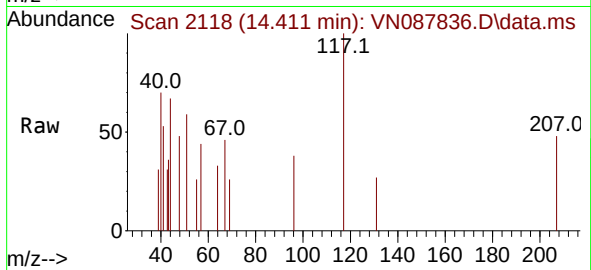
Acq: 15 Sep 2025 14:41

Instrument :

MSVOA_N

ClientSampleId :

279182



Tgt Ion:117 Resp: 822

Ion Ratio Lower Upper

117 100

201 0.0 29.1 87.4#

