

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087775.D
 Acq On : 10 Sep 2025 12:25
 Operator : JC\MD
 Sample : VN0910MBL01
 Misc : 5.0g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBL01

Quant Time: Sep 11 02:01:19 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)

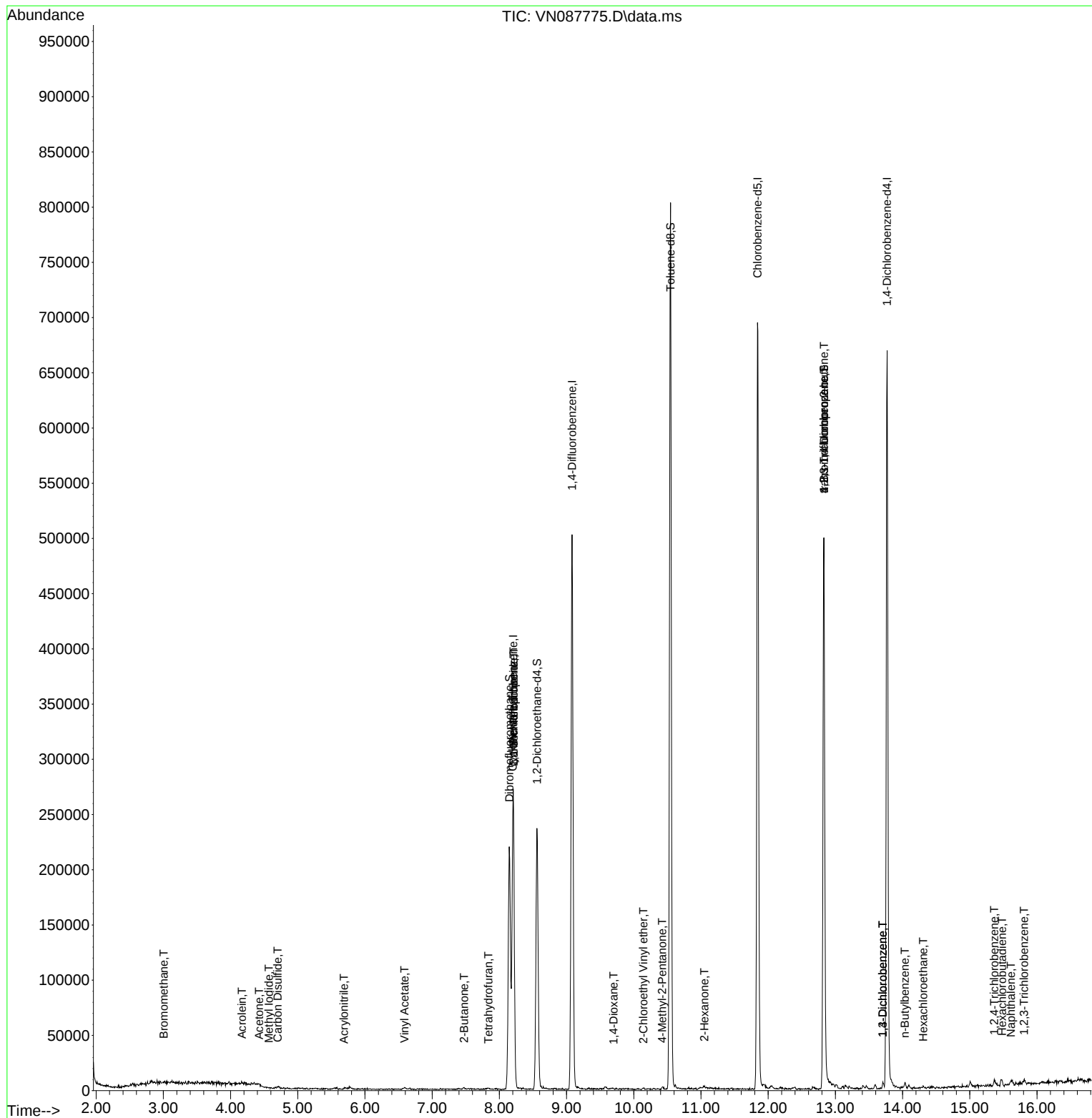
Internal Standards						
1) Pentafluorobenzene	8.206	168	181513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	418665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	392018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	178322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	194084	52.187	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.380%			
35) Dibromofluoromethane	8.147	113	157950	52.254	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.500%			
50) Toluene-d8	10.547	98	534785	47.269	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.540%			
62) 4-Bromofluorobenzene	12.829	95	175536	43.628	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.260%			
Target Compounds						Qvalue
5) Bromomethane	3.006	94	859	0.542	ug/l #	54
10) Methyl Iodide	4.571	142	193	6.898	ug/l #	38
13) Acrolein	4.171	56	977	1.231	ug/l #	70
15) Acrylonitrile	5.689	53	435	0.239	ug/l #	1
16) Acetone	4.424	43	2458	1.214	ug/l	93
17) Carbon Disulfide	4.700	76	2811	0.390	ug/l #	74
20) Methylene Chloride	5.259	84	156	Below Cal	#	23
23) Vinyl Acetate	6.589	43	2679	0.288	ug/l #	72
25) 2-Butanone	7.477	43	1058	0.397	ug/l #	50
29) Tetrahydrofuran	7.836	42	1207	0.704	ug/l #	55
31) Cyclohexane	8.200	56	6275	1.341	ug/l #	52
36) 1,1-Dichloropropene	8.212	75	16735	3.609	ug/l #	52
38) Carbon Tetrachloride	8.212	117	21803	4.762	ug/l #	15
49) 1,4-Dioxane	9.700	88	137	2.259	ug/l #	13
51) 4-Methyl-2-Pentanone	10.424	43	1673	0.280	ug/l #	65
58) 2-Chloroethyl Vinyl ether	10.141	63	648	0.220	ug/l #	72
59) 2-Hexanone	11.053	43	1805	0.478	ug/l	65
76) 1,2,3-Trichloropropane	12.829	75	97413	23.295	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	97413	61.670	ug/l #	1
87) 1,3-Dichlorobenzene	13.706	146	1469	0.220	ug/l	79
88) 1,4-Dichlorobenzene	13.706	146	1469	0.211	ug/l	80
89) n-Butylbenzene	14.035	91	3235	0.261	ug/l	95
90) Hexachloroethane	14.306	117	577	0.243	ug/l #	55
93) 1,2,4-Trichlorobenzene	15.364	180	1712	0.449	ug/l #	84
94) Hexachlorobutadiene	15.482	225	994	0.731	ug/l	78
95) Naphthalene	15.611	128	4903	0.363	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.806	180	926	0.249	ug/l #	53

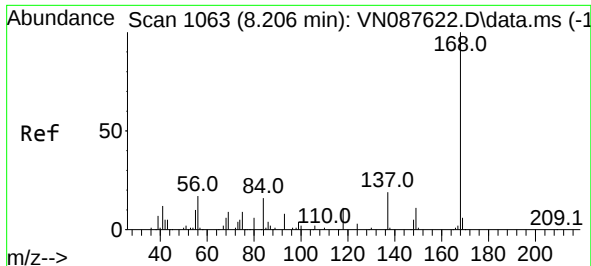
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087775.D
Acq On : 10 Sep 2025 12:25
Operator : JC\MD
Sample : VN0910MBL01
Misc : 5.0g/10mL/100uL/5.0mL/MSVOA_N/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Quant Time: Sep 11 02:01:19 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

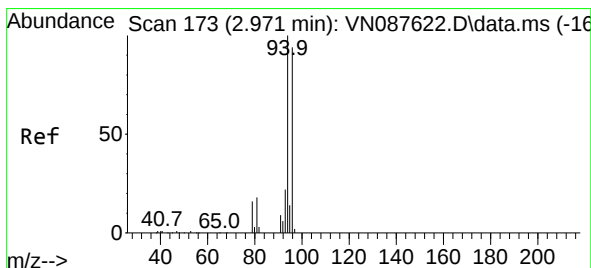
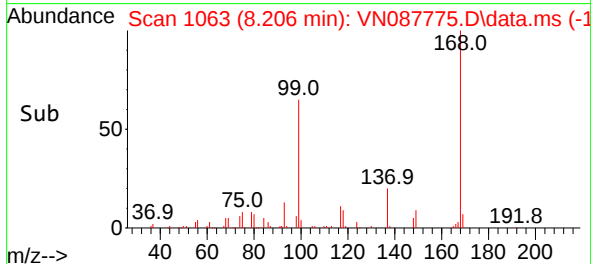
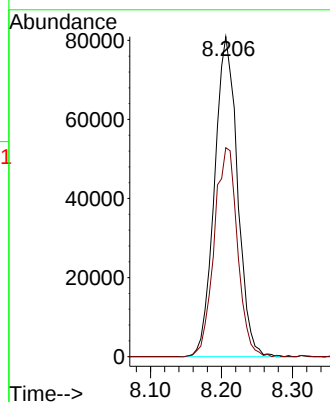
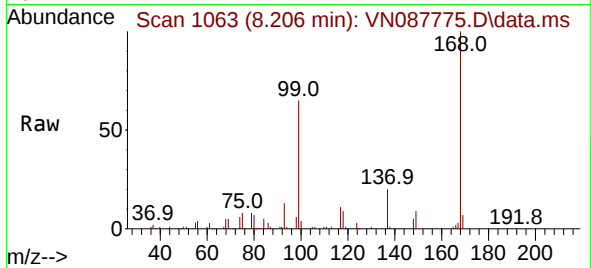




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

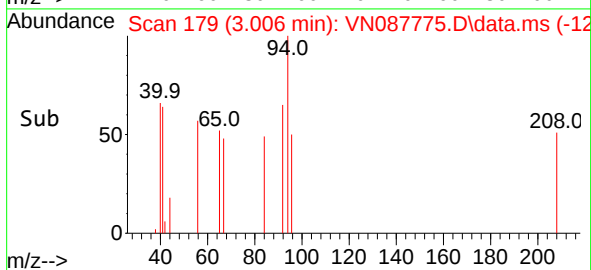
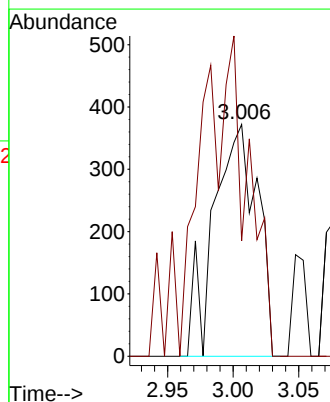
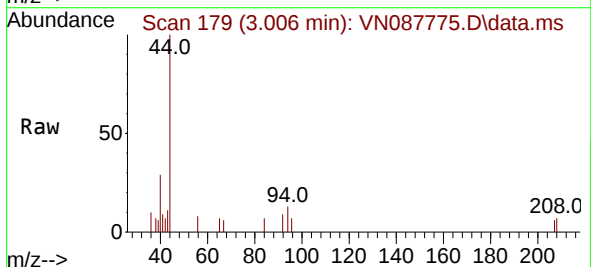
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

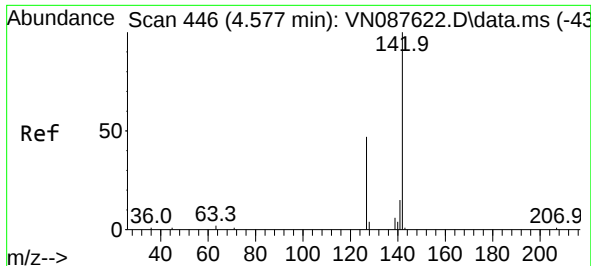
Tgt Ion:168 Resp: 181513
Ion Ratio Lower Upper
168 100
99 65.3 57.2 85.8



#5
Bromomethane
Concen: 0.542 ug/l
RT: 3.006 min Scan# 179
Delta R.T. 0.035 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

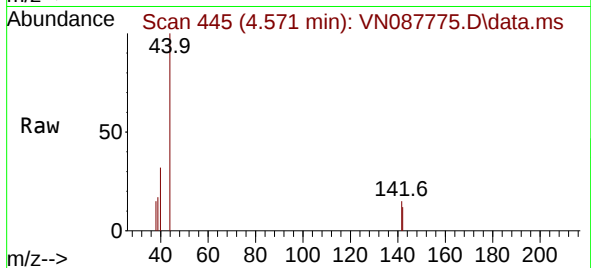
Tgt Ion: 94 Resp: 859
Ion Ratio Lower Upper
94 100
96 49.7 75.4 113.2#



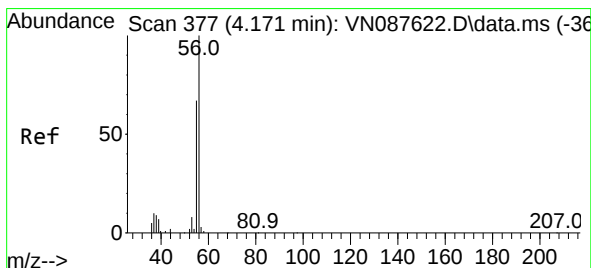
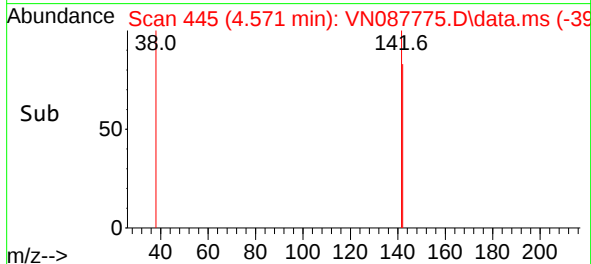
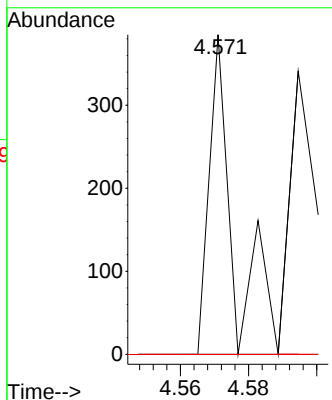


#10
Methyl Iodide
Concen: 6.898 ug/l
RT: 4.571 min Scan# 446
Delta R.T. -0.006 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

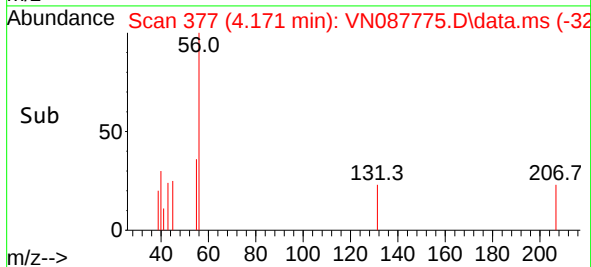
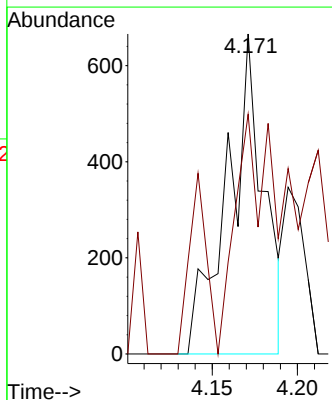
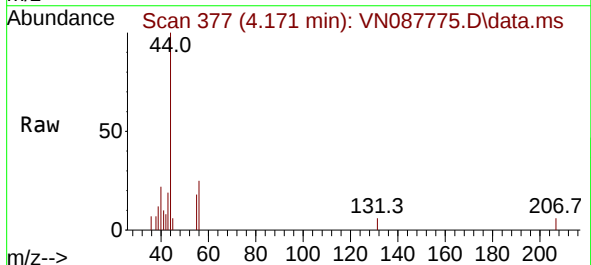


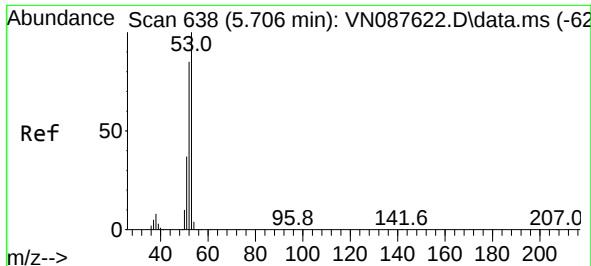
Tgt Ion:142 Resp: 193
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 1.231 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.000 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

Tgt Ion: 56 Resp: 977
Ion Ratio Lower Upper
56 100
55 46.9 57.3 85.9#

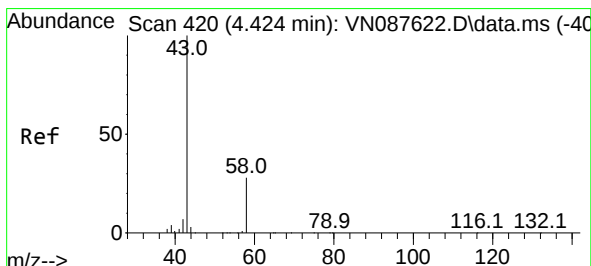
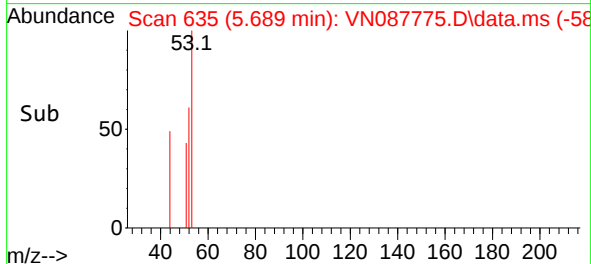
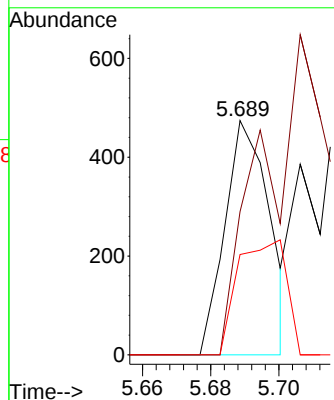
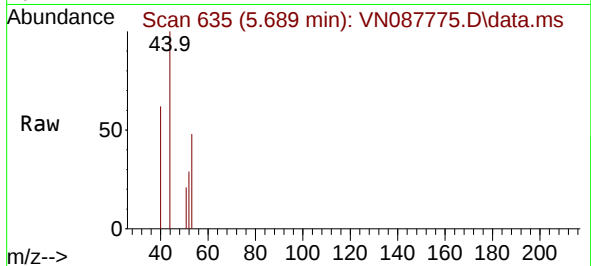




#15
Acrylonitrile
Concen: 0.239 ug/l
RT: 5.689 min Scan# 61
Delta R.T. -0.018 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

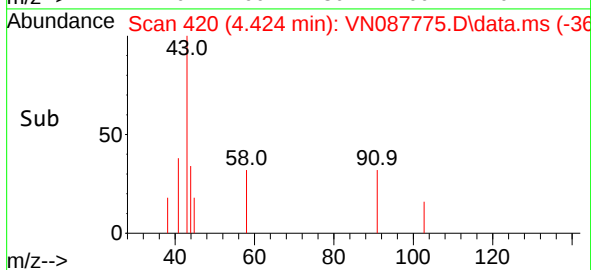
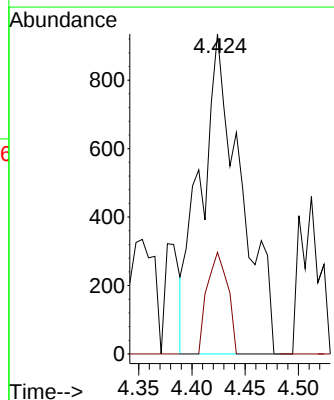
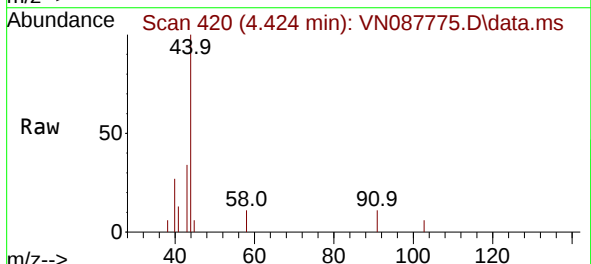
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

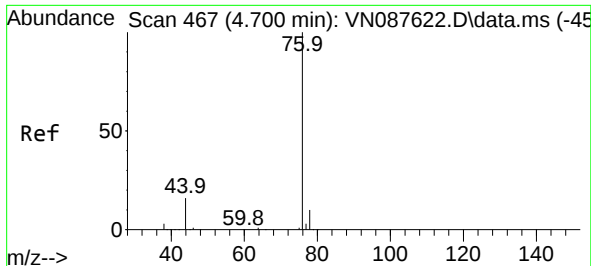
Tgt Ion: 53 Resp: 435
Ion Ratio Lower Upper
53 100
52 232.2 67.6 101.4#
51 52.6 30.1 45.1#



#16
Acetone
Concen: 1.214 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

Tgt Ion: 43 Resp: 2458
Ion Ratio Lower Upper
43 100
58 31.8 22.6 33.8

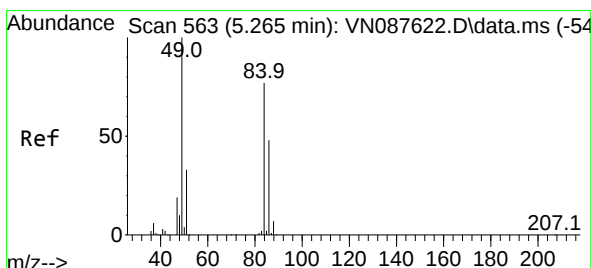
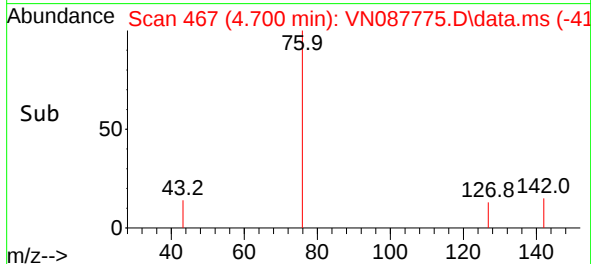
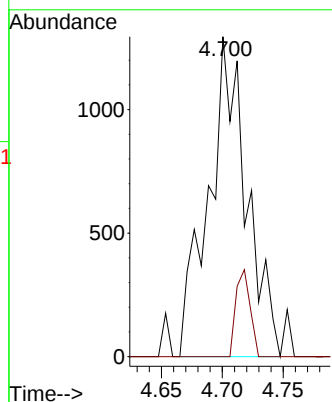
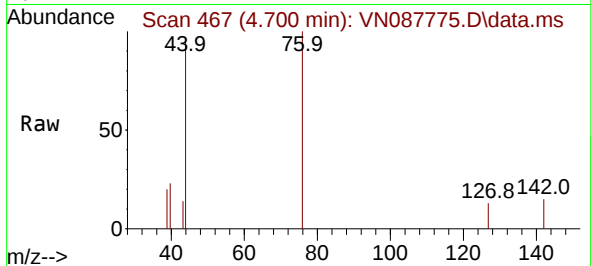




#17
Carbon Disulfide
Concen: 0.390 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

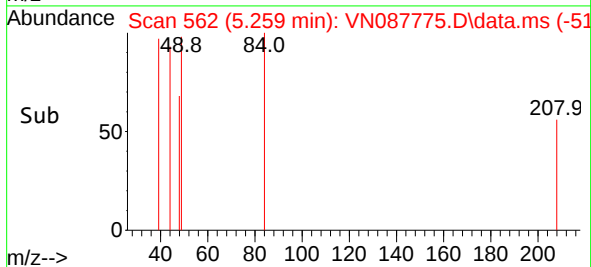
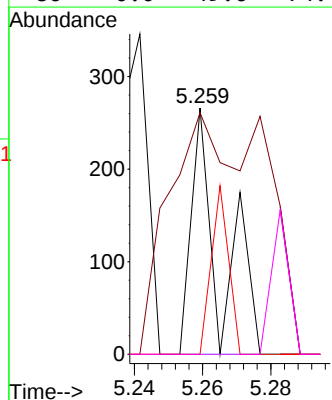
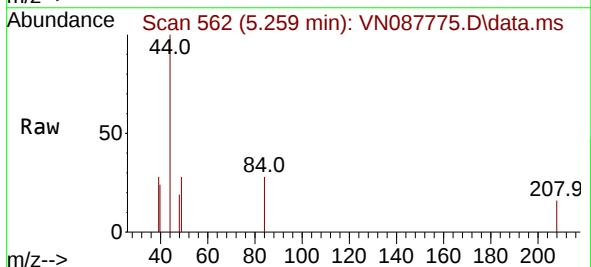
Instrument :
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ClientSampleId :
VN0910MBL01

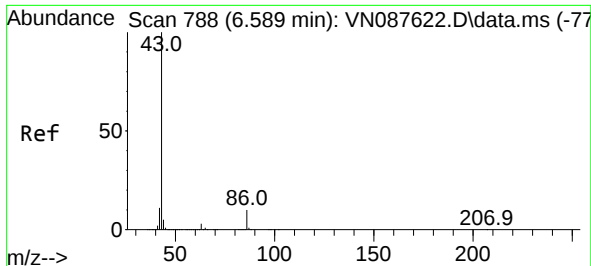
Tgt Ion: 76 Resp: 2811
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

Tgt Ion: 84 Resp: 156
Ion Ratio Lower Upper
84 100
49 38.0 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#

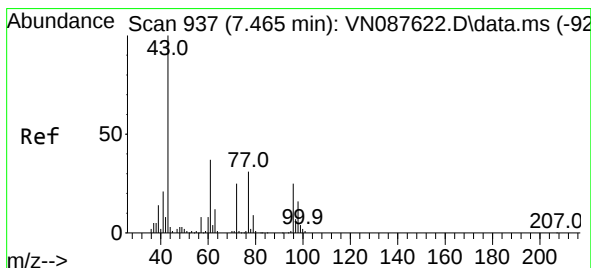
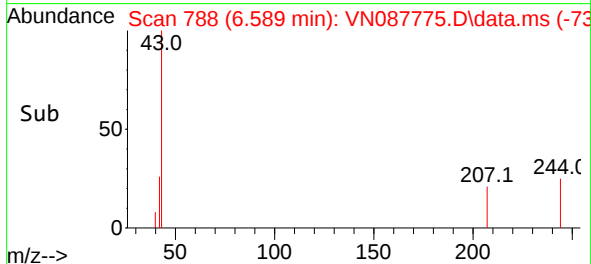
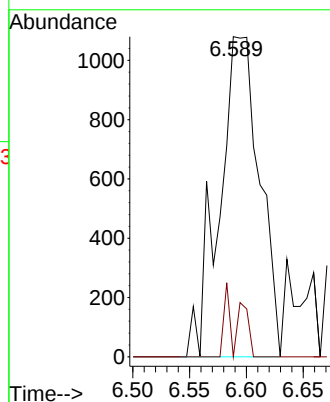
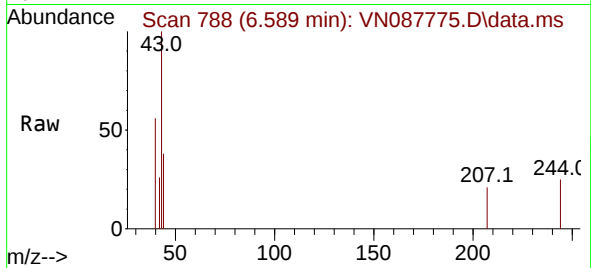




#23
 Vinyl Acetate
 Concen: 0.288 ug/l
 RT: 6.589 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VN087775.D
 Acq: 10 Sep 2025 12:25

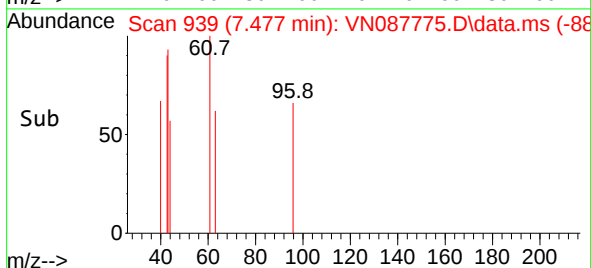
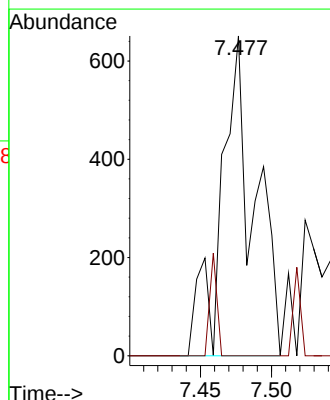
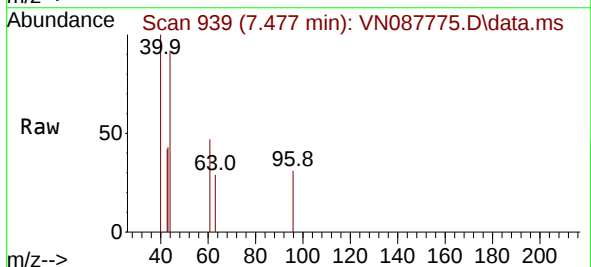
Instrument :
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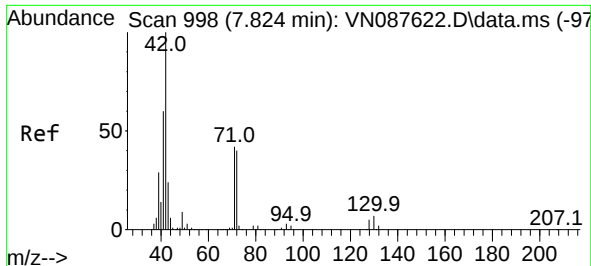
Tgt Ion: 43 Resp: 2679
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 0.397 ug/l
 RT: 7.477 min Scan# 939
 Delta R.T. 0.012 min
 Lab File: VN087775.D
 Acq: 10 Sep 2025 12:25

Tgt Ion: 43 Resp: 1058
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.9 29.9#





#29

Tetrahydrofuran

Concen: 0.704 ug/l

RT: 7.836 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN087775.D

Acq: 10 Sep 2025 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL01

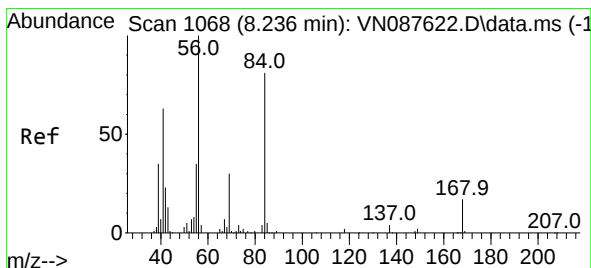
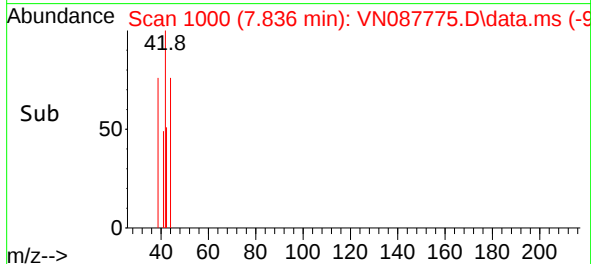
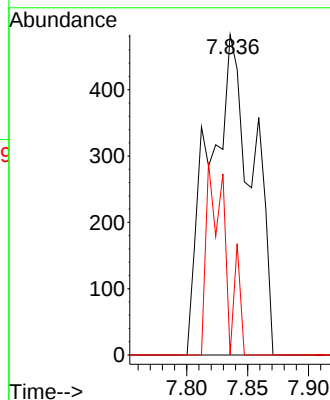
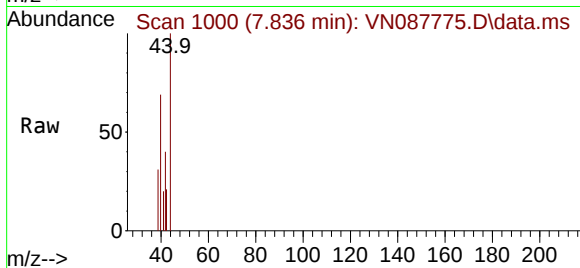
Tgt Ion: 42 Resp: 1207

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 26.6 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: VN087775.D

Acq: 10 Sep 2025 12:25

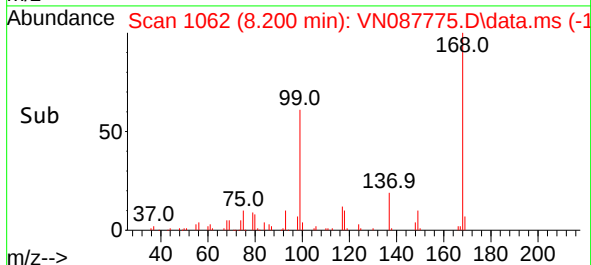
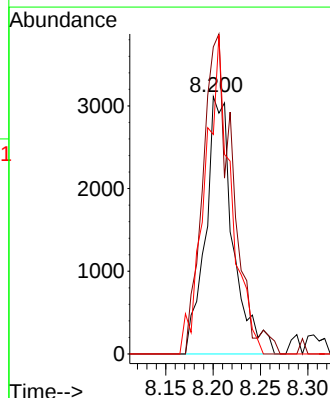
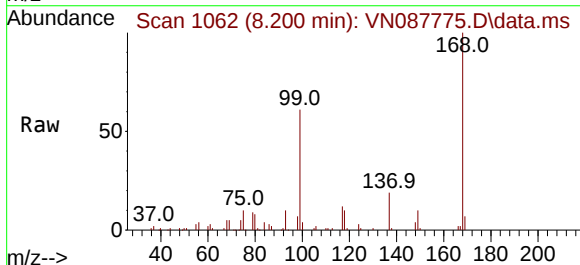
Tgt Ion: 56 Resp: 6275

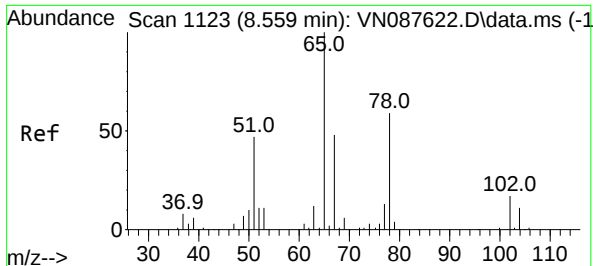
Ion Ratio Lower Upper

56 100

69 119.3 23.7 35.5#

84 85.3 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 52.187 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087775.D

Acq: 10 Sep 2025 12:25

Instrument :

MSVOA_N

ClientSampleId :

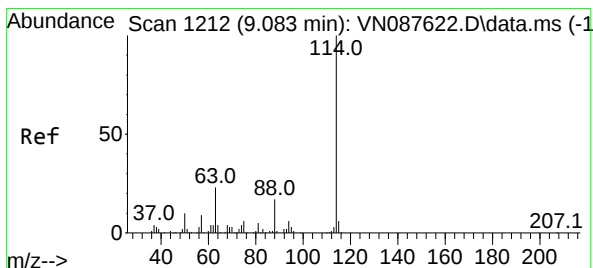
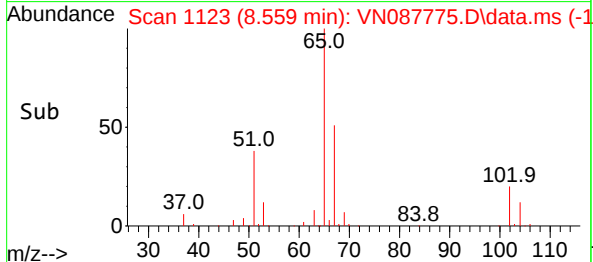
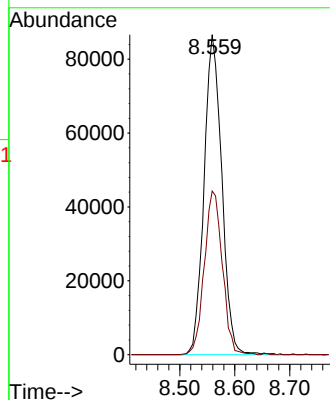
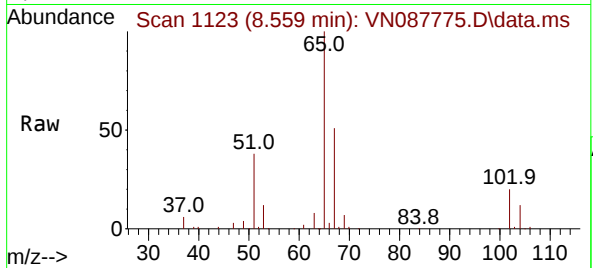
VN0910MBL01

Tgt Ion: 65 Resp: 194084

Ion Ratio Lower Upper

65 100

67 52.1 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: VN087775.D

Acq: 10 Sep 2025 12:25

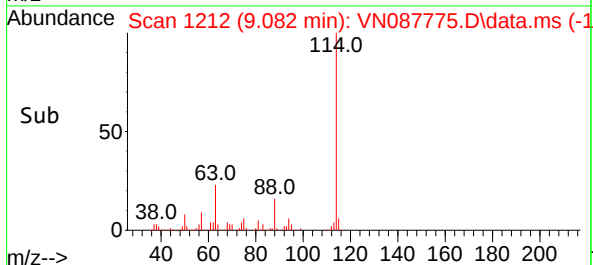
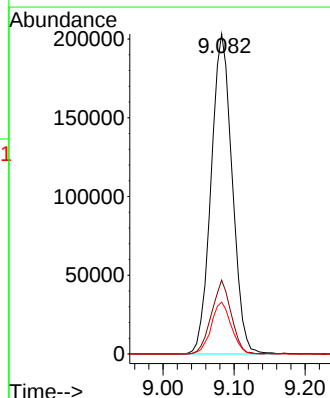
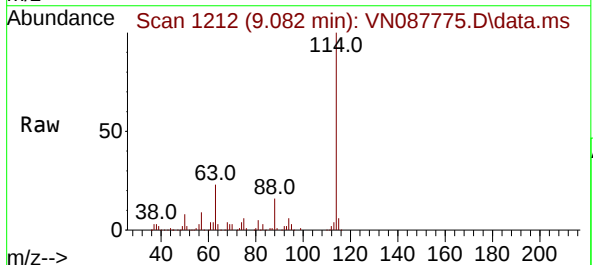
Tgt Ion: 114 Resp: 418665

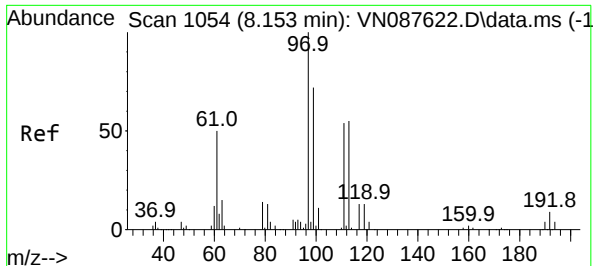
Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.254 ug/l

RT: 8.147 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN087775.D

Acq: 10 Sep 2025 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL01

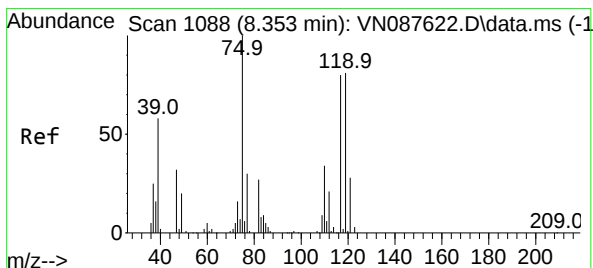
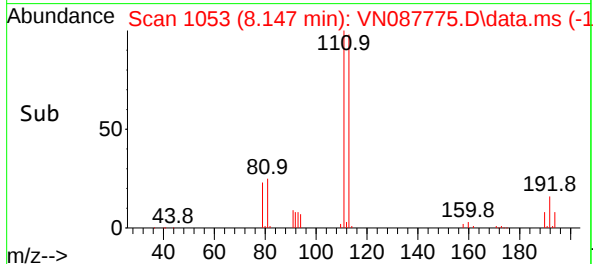
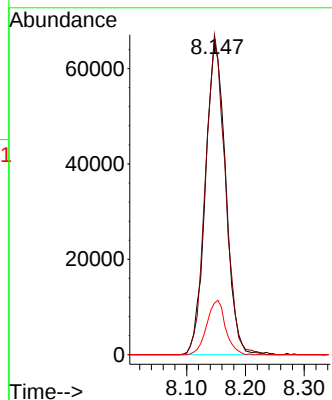
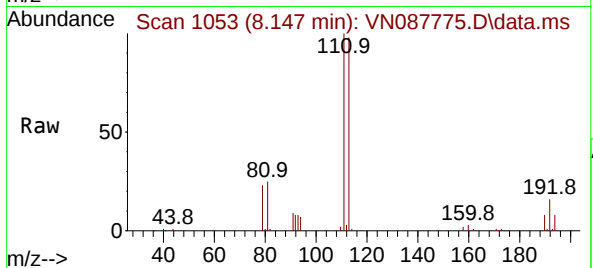
Tgt Ion:113 Resp: 157950

Ion Ratio Lower Upper

113 100

111 99.6 82.8 124.2

192 16.0 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.609 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087775.D

Acq: 10 Sep 2025 12:25

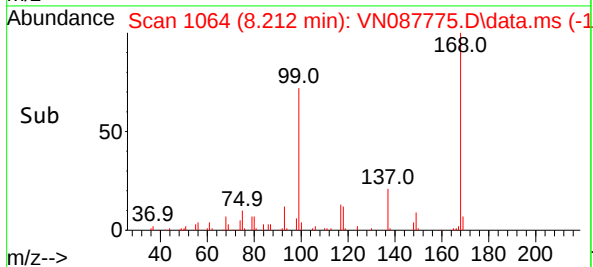
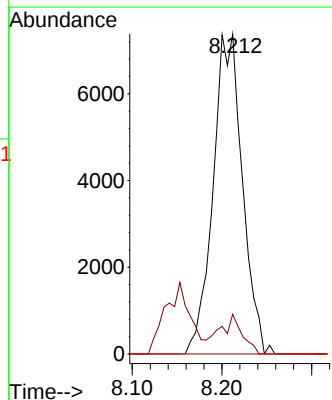
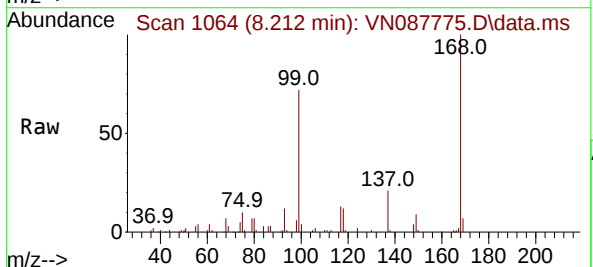
Tgt Ion: 75 Resp: 16735

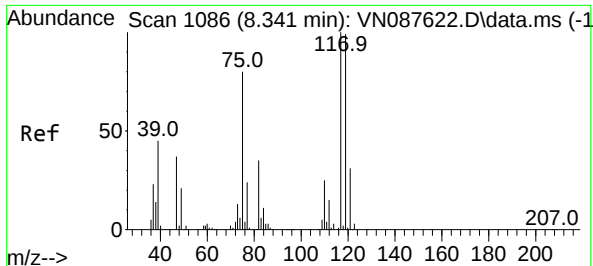
Ion Ratio Lower Upper

75 100

110 9.5 15.9 47.6#

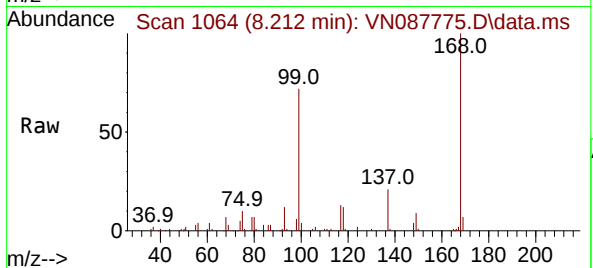
77 0.0 24.4 36.6#



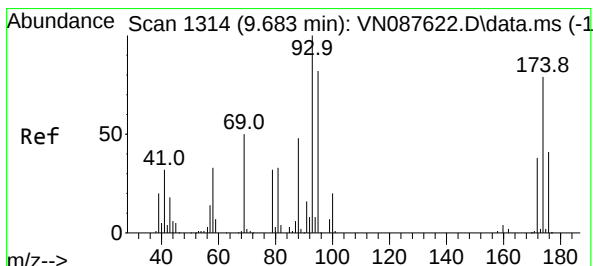
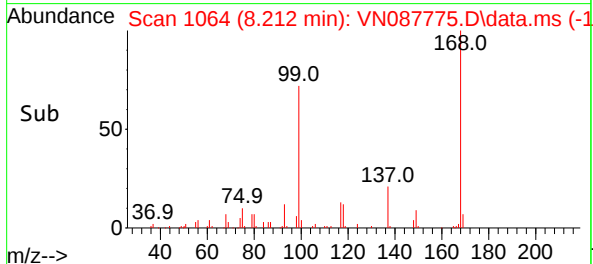
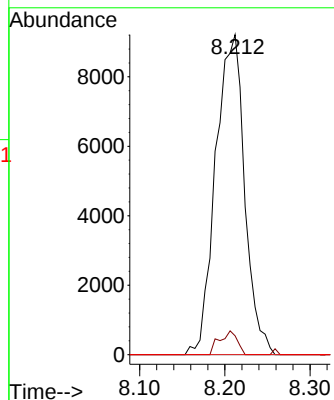


#38
Carbon Tetrachloride
Concen: 4.762 ug/l
RT: 8.212 min Scan# 117
Delta R.T. -0.129 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

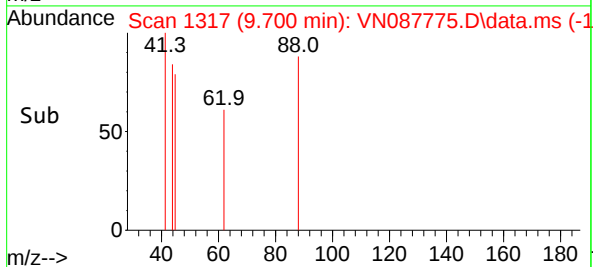
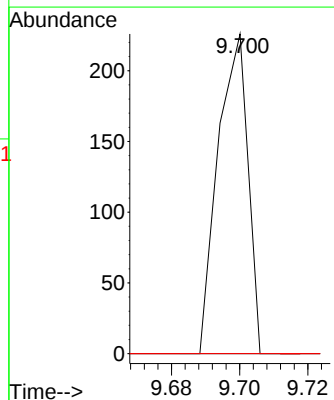
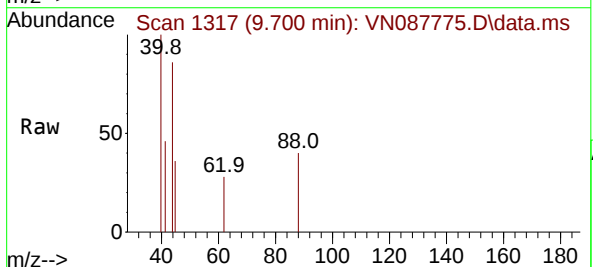


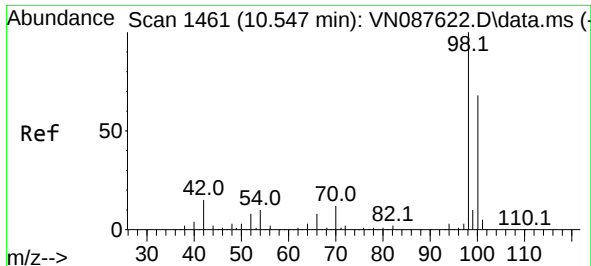
Tgt Ion:117 Resp: 21803
Ion Ratio Lower Upper
117 100
119 5.9 79.0 118.6#
121 0.0 25.0 37.6#



#49
1,4-Dioxane
Concen: 2.259 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.018 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

Tgt Ion: 88 Resp: 137
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 57.9 86.9#

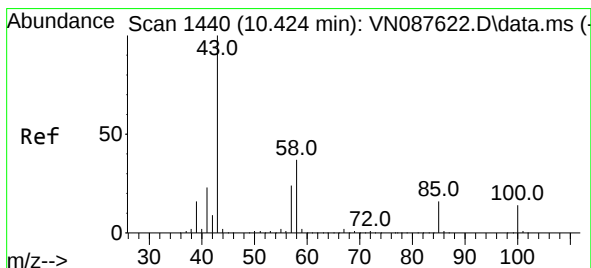
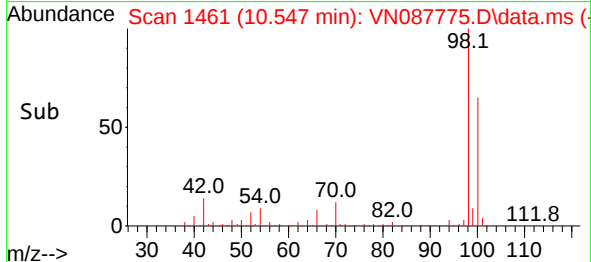
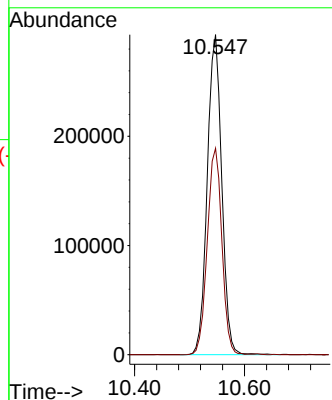
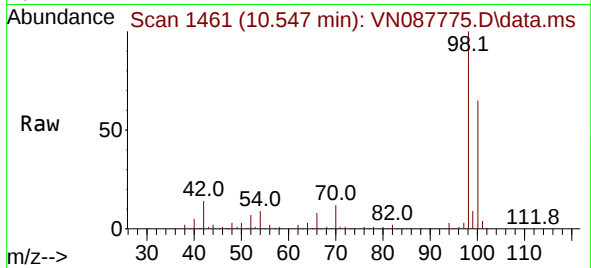




#50
Toluene-d8
Concen: 47.269 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

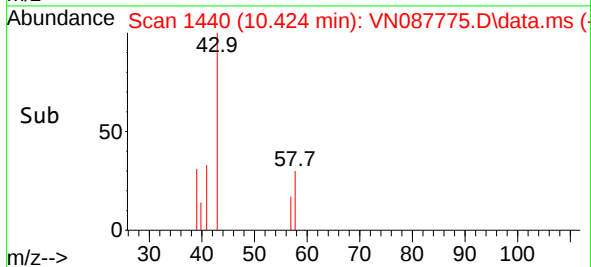
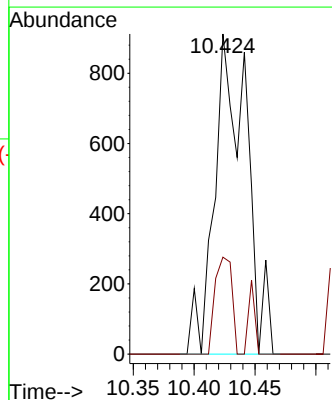
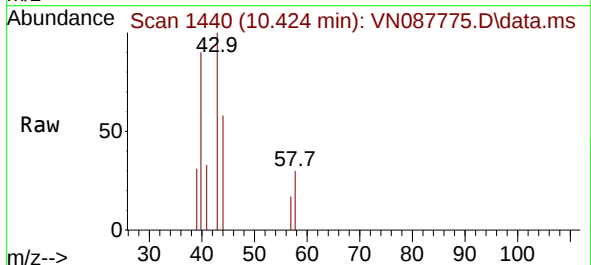
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

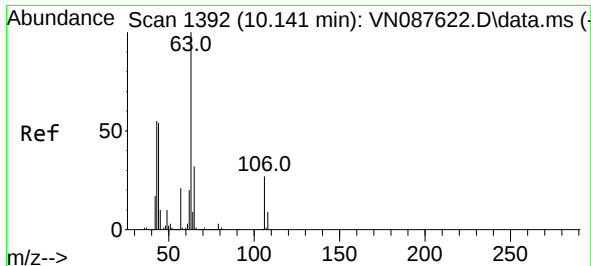
Tgt Ion: 98 Resp: 534785
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.280 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

Tgt Ion: 43 Resp: 1673
Ion Ratio Lower Upper
43 100
58 15.9 29.6 44.4#

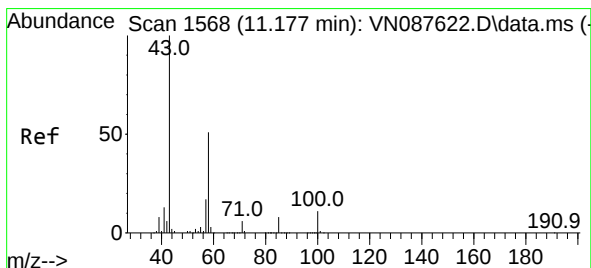
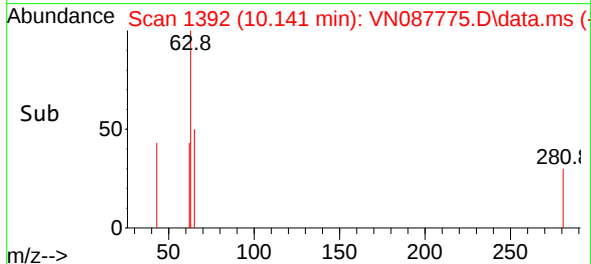
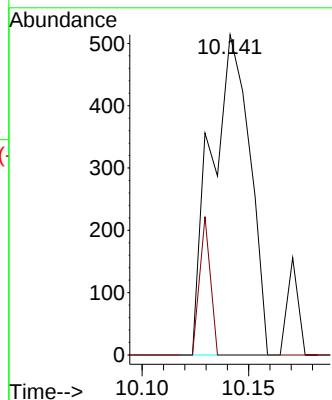
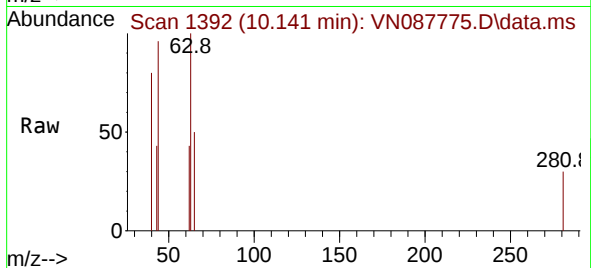




#58
2-Chloroethyl Vinyl ether
Concen: 0.220 ug/l
RT: 10.141 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

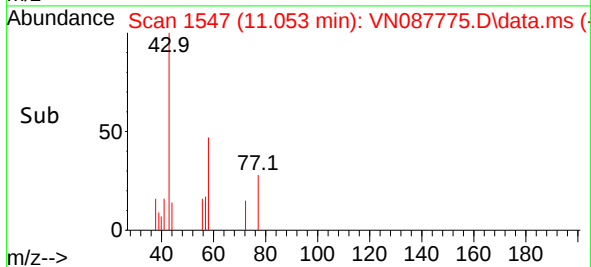
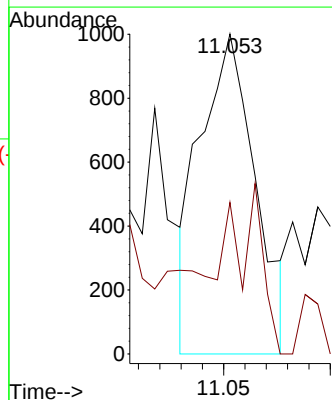
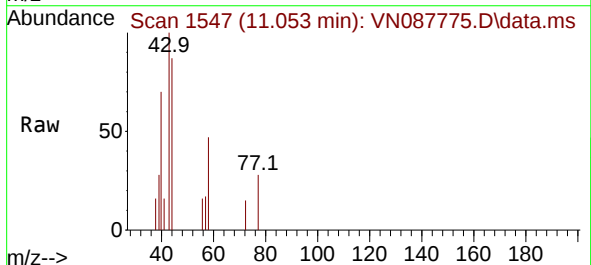
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

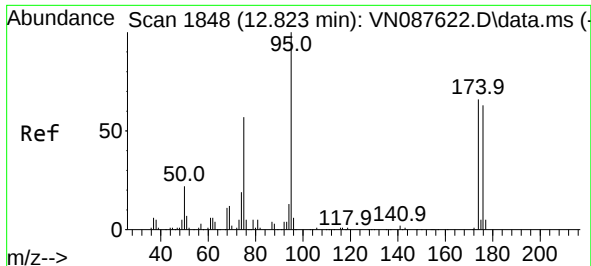
Tgt Ion: 63 Resp: 648
Ion Ratio Lower Upper
63 100
106 12.0 21.1 31.7#



#59
2-Hexanone
Concen: 0.478 ug/l
RT: 11.053 min Scan# 1547
Delta R.T. -0.124 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

Tgt Ion: 43 Resp: 1805
Ion Ratio Lower Upper
43 100
58 27.3 25.9 77.8

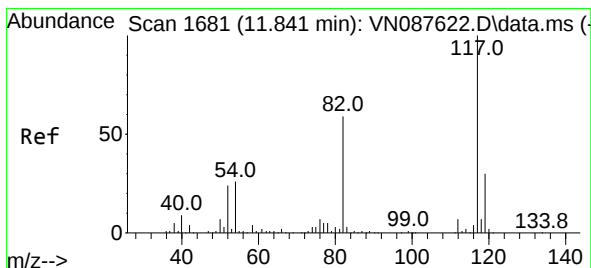
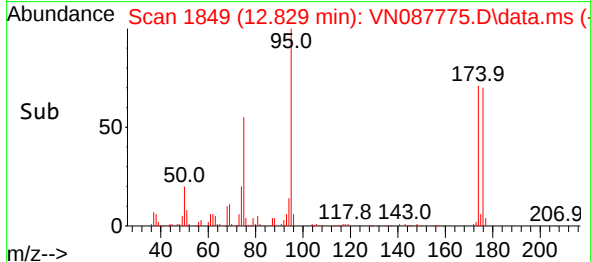
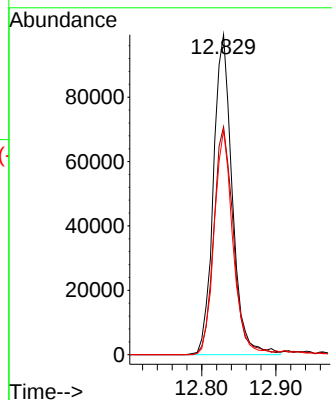
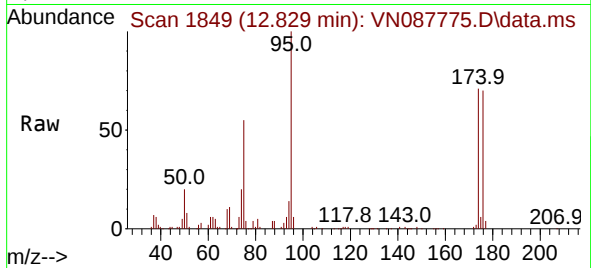




#62
4-Bromofluorobenzene
Concen: 43.628 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

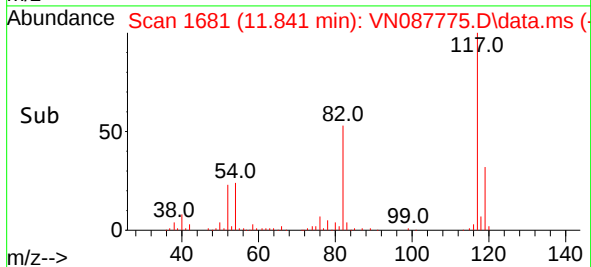
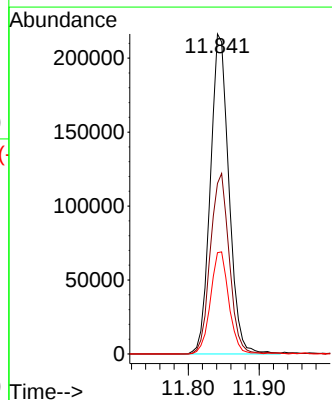
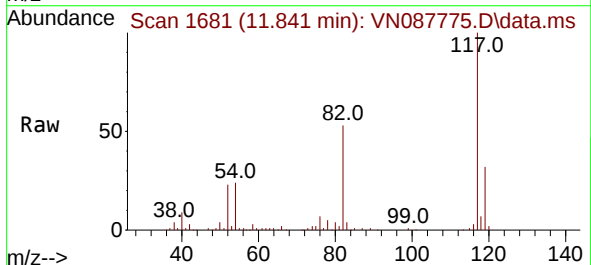
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

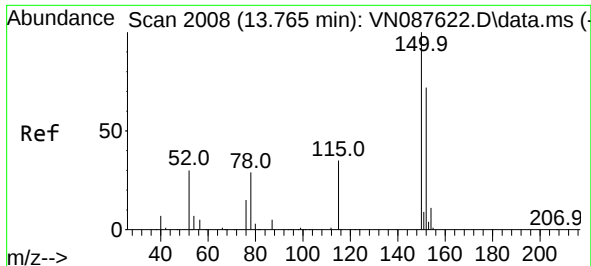
Tgt Ion: 95 Resp: 175536
Ion Ratio Lower Upper
95 100
174 74.3 0.0 138.4
176 70.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

Tgt Ion: 117 Resp: 392018
Ion Ratio Lower Upper
117 100
82 53.3 47.4 71.2
119 31.7 24.3 36.5

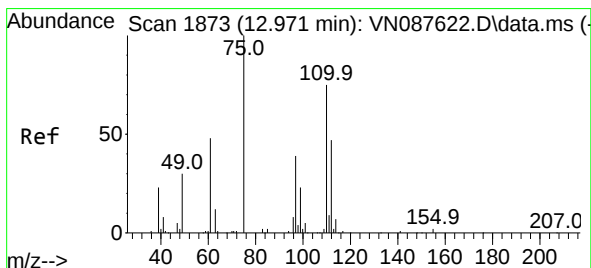
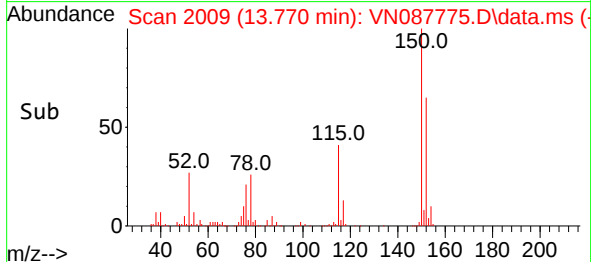
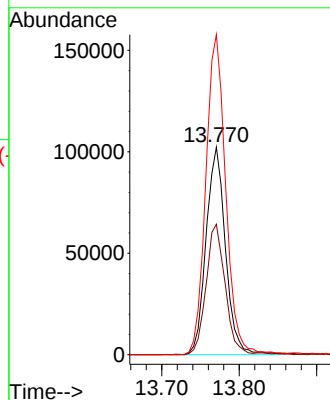
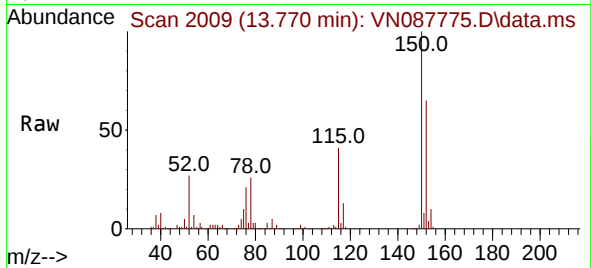




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087775.D
 Acq: 10 Sep 2025 12:25

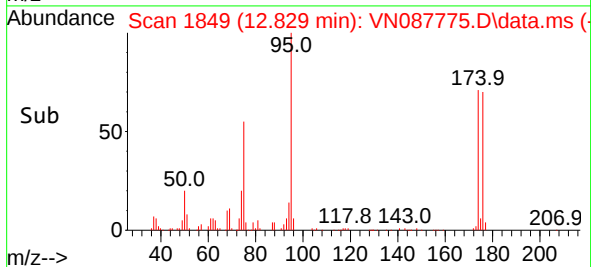
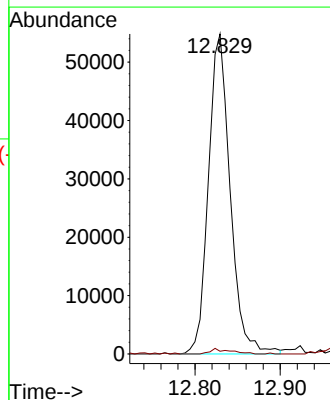
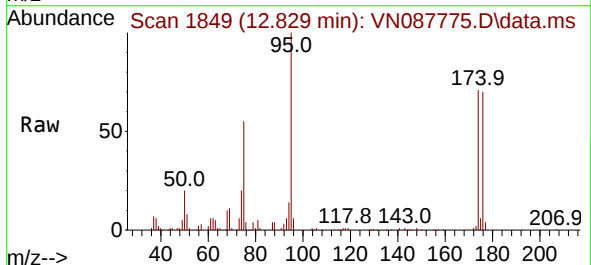
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBL01

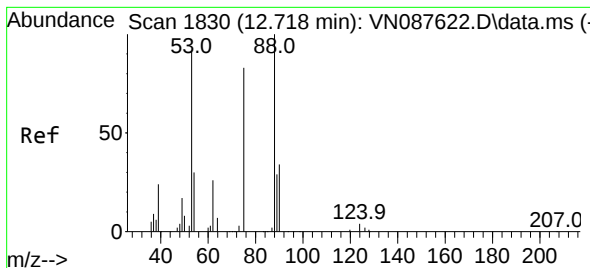
Tgt Ion:152 Resp: 178322
 Ion Ratio Lower Upper
 152 100
 115 61.6 32.3 96.8
 150 157.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 23.295 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087775.D
 Acq: 10 Sep 2025 12:25

Tgt Ion: 75 Resp: 97413
 Ion Ratio Lower Upper
 75 100
 77 1.5 89.1 267.4#

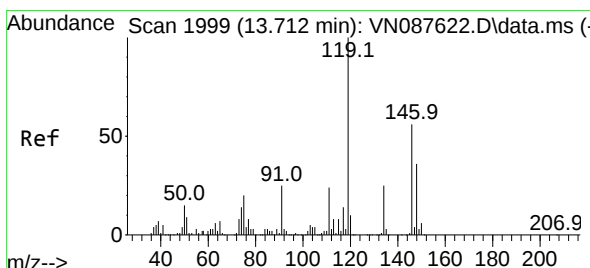
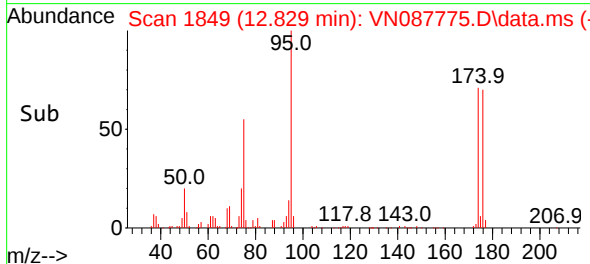
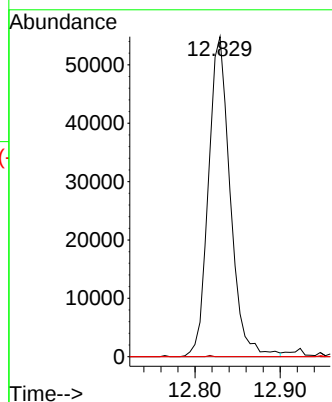
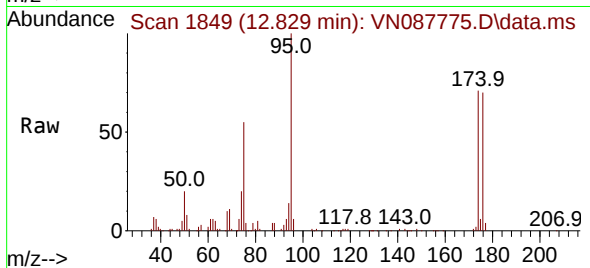




#81
trans-1,4-Dichloro-2-butene
Concen: 61.670 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

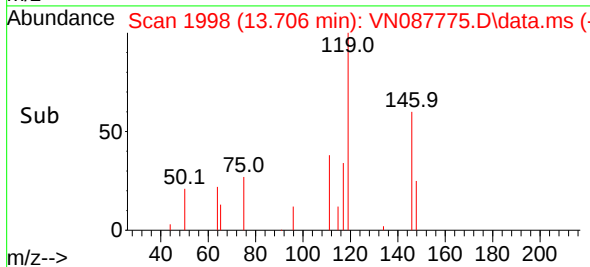
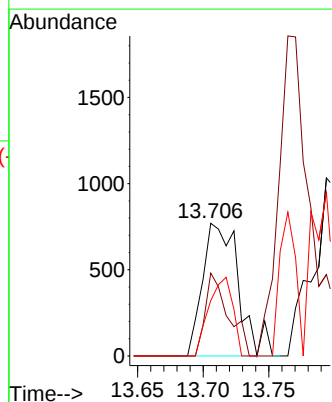
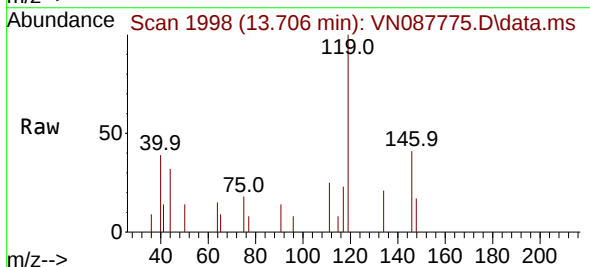
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

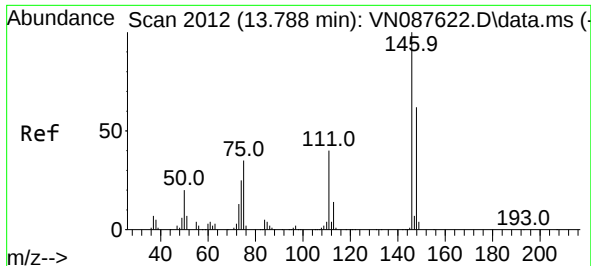
Tgt Ion: 75 Resp: 97413
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#



#87
1,3-Dichlorobenzene
Concen: 0.220 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.006 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

Tgt Ion:146 Resp: 1469
Ion Ratio Lower Upper
146 100
111 40.1 22.1 66.5
148 39.3 32.0 96.2

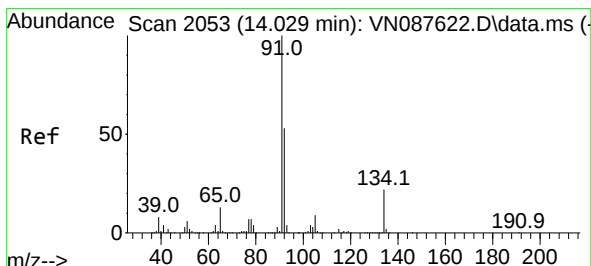
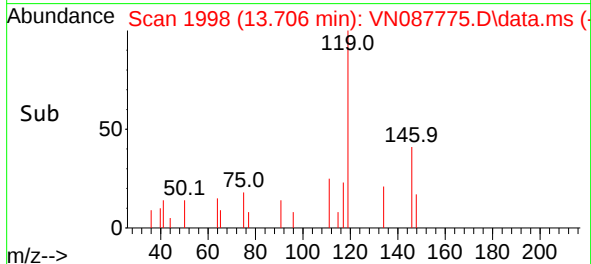
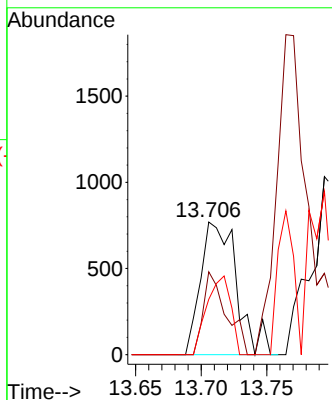
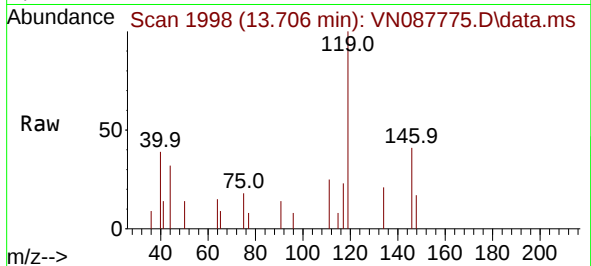




#88
1,4-Dichlorobenzene
Concen: 0.211 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.082 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

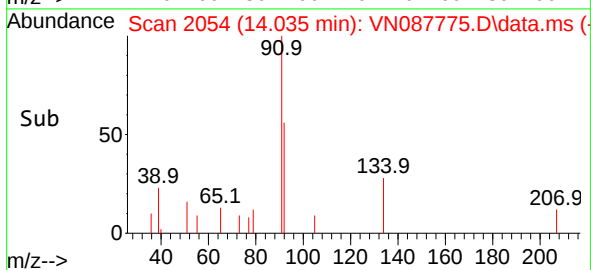
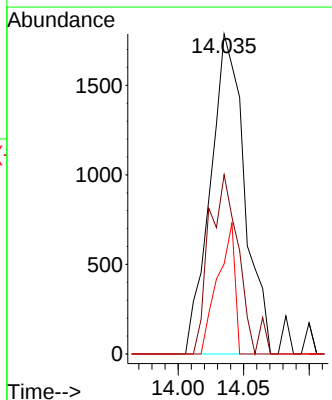
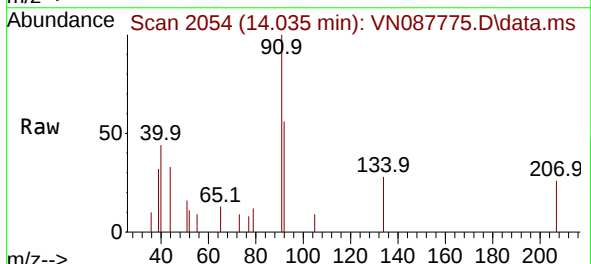
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

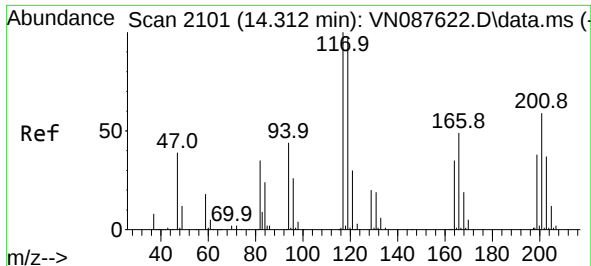
Tgt Ion:	146	Resp:	1469
Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.0	63.0
148	39.3	32.0	96.0



#89
n-Butylbenzene
Concen: 0.261 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

Tgt Ion:	91	Resp:	3235
Ion	Ratio	Lower	Upper
91	100		
92	48.7	25.9	77.8
134	20.5	11.7	35.0

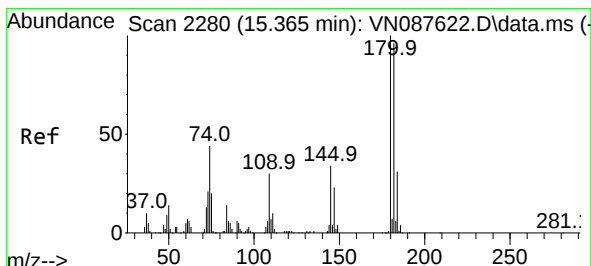
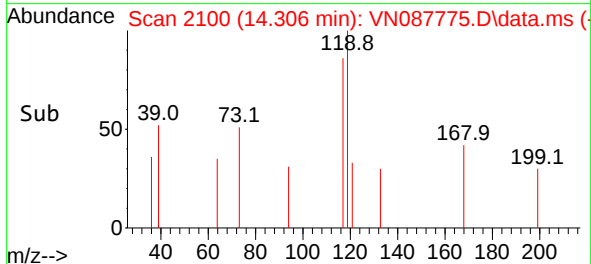
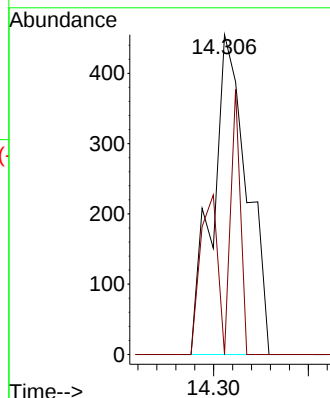
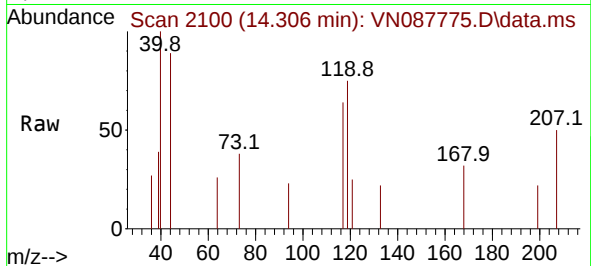




#90
Hexachloroethane
Concen: 0.243 ug/l
RT: 14.306 min Scan# 2101
Delta R.T. -0.006 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

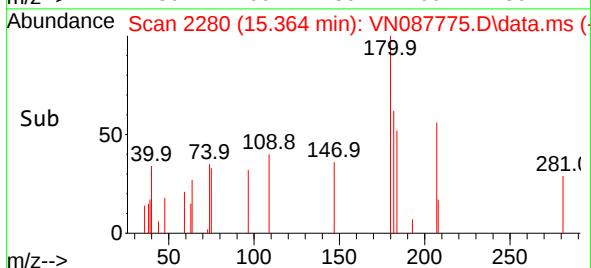
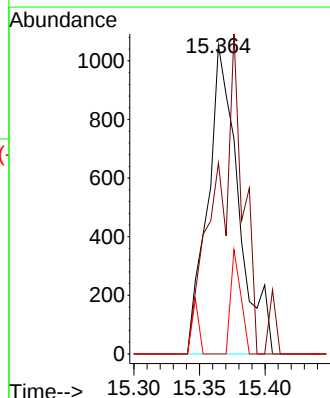
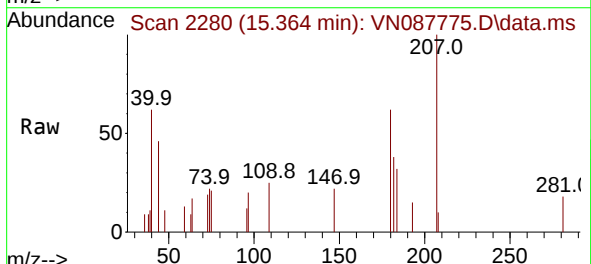
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

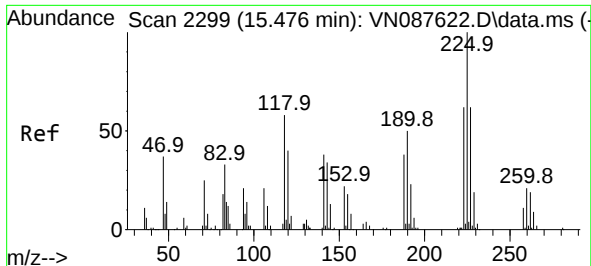
Tgt Ion:117 Resp: 577
Ion Ratio Lower Upper
117 100
201 25.0 29.1 87.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.449 ug/l
RT: 15.364 min Scan# 2280
Delta R.T. -0.000 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

Tgt Ion:180 Resp: 1712
Ion Ratio Lower Upper
180 100
182 87.4 47.6 142.9
145 11.2 16.5 49.5#

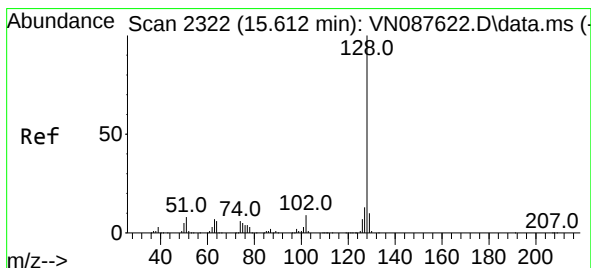
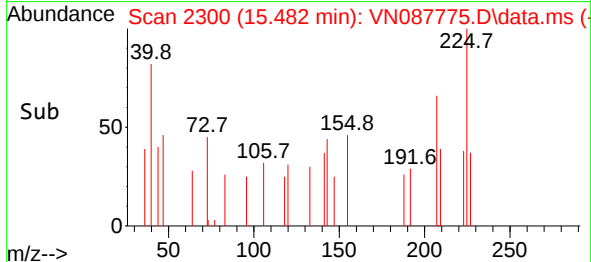
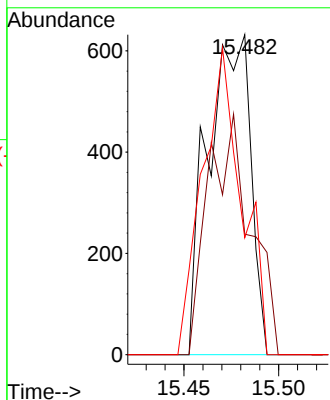
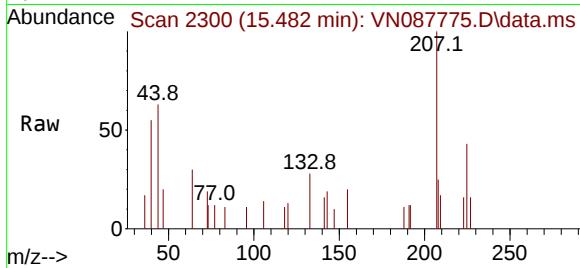




#94
Hexachlorobutadiene
Concen: 0.731 ug/l
RT: 15.482 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

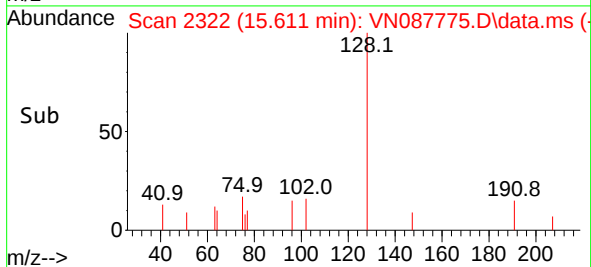
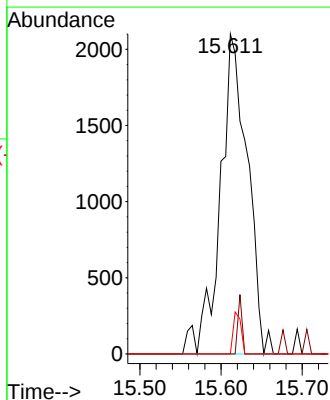
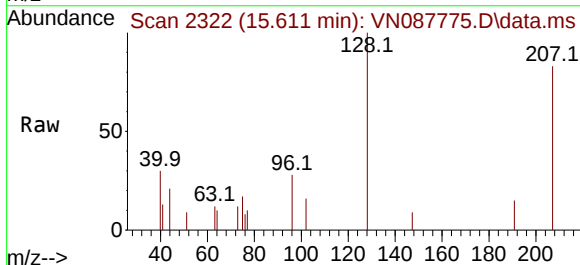
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

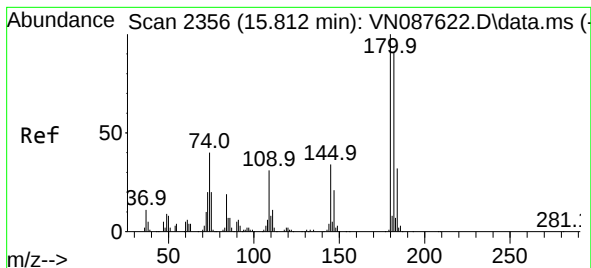
Tgt Ion:225 Resp: 994
Ion Ratio Lower Upper
225 100
223 74.6 32.0 96.2
227 87.8 32.1 96.5



#95
Naphthalene
Concen: 0.363 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN087775.D
Acq: 10 Sep 2025 12:25

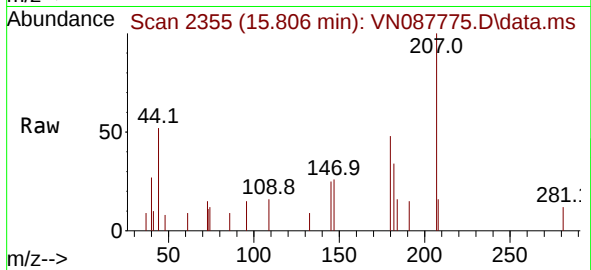
Tgt Ion:128 Resp: 4903
Ion Ratio Lower Upper
128 100
127 2.8 10.6 15.8#
129 3.6 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.249 ug/l
 RT: 15.806 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN087775.D
 Acq: 10 Sep 2025 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBL01



Tgt Ion:180 Resp: 926
 Ion Ratio Lower Upper
 180 100
 182 142.8 46.8 140.3#
 145 55.6 17.3 52.0#

