

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
 Data File : VN088021.D
 Acq On : 03 Oct 2025 14:17
 Operator : JC\MD
 Sample : Q3274-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4

Quant Time: Oct 04 02:56:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	261013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	577276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	582521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	296966	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	229841	52.324	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.640%	
35) Dibromofluoromethane	8.147	113	188989	45.090	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 90.180%	
50) Toluene-d8	10.541	98	735191	49.880	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.760%	
62) 4-Bromofluorobenzene	12.823	95	278766	52.912	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.820%	

Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	634	1.002	ug/l #	71
13) Acrolein	4.147	56	2805	3.455	ug/l #	1
14) Allyl chloride	5.118	41	10593	2.373	ug/l #	46
15) Acrylonitrile	5.806	53	35532	17.904	ug/l #	22
16) Acetone	4.424	43	55776	30.861	ug/l #	79
17) Carbon Disulfide	4.700	76	1975	0.231	ug/l #	43
20) Methylene Chloride	5.253	84	2644	0.723	ug/l #	1
23) Vinyl Acetate	6.630	43	7400	0.843	ug/l #	72
24) 1,1-Dichloroethane	6.635	63	2176	0.357	ug/l #	81
25) 2-Butanone	7.482	43	13982	5.061	ug/l #	82
29) Tetrahydrofuran	7.847	42	2730	1.543	ug/l #	52
30) Chloroform	7.924	83	33486	5.031	ug/l #	18
31) Cyclohexane	8.241	56	638794	129.685	ug/l #	95
36) 1,1-Dichloropropene	8.200	75	24041	4.770	ug/l #	46
37) Ethyl Acetate	7.482	43	13982	2.113	ug/l #	71
38) Carbon Tetrachloride	8.200	117	28987	5.012	ug/l #	18
39) Methylcyclohexane	9.582	83	1978856	355.926	ug/l	98
40) Benzene	8.582	78	63341	3.796	ug/l	98
41) Methacrylonitrile	7.718	41	3488	1.020	ug/l #	35
42) 1,2-Dichloroethane	8.706	62	3688	0.592	ug/l #	1
43) Isopropyl Acetate	8.688	43	81201	7.795	ug/l #	57
45) 1,2-Dichloropropane	9.582	63	24741	5.913	ug/l #	1
46) Dibromomethane	9.700	93	693	0.210	ug/l #	1
48) Methyl methacrylate	9.582	41	1000725	207.438	ug/l #	73
51) 4-Methyl-2-Pentanone	10.470	43	3790	0.583	ug/l #	54
52) Toluene	10.612	92	15963	1.524	ug/l	89
55) 1,1,2-Trichloroethane	10.982	97	140129	32.911	ug/l #	18
56) Ethyl methacrylate	10.835	69	6766	1.100	ug/l #	6
58) 2-Chloroethyl Vinyl ether	10.135	63	2248	0.777	ug/l #	47
59) 2-Hexanone	11.147	43	26491	6.163	ug/l #	30
67) Ethyl Benzene	11.941	91	255552	12.354	ug/l	98
68) m/p-Xylenes	12.047	106	16580	2.096	ug/l	85
69) o-Xylene	12.376	106	4681	0.616	ug/l	91
73) Isopropylbenzene	12.670	105	371414	20.180	ug/l	100
74) N-amyl acetate	12.523	43	3568	0.588	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.900	83	3054	0.461	ug/l #	90

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

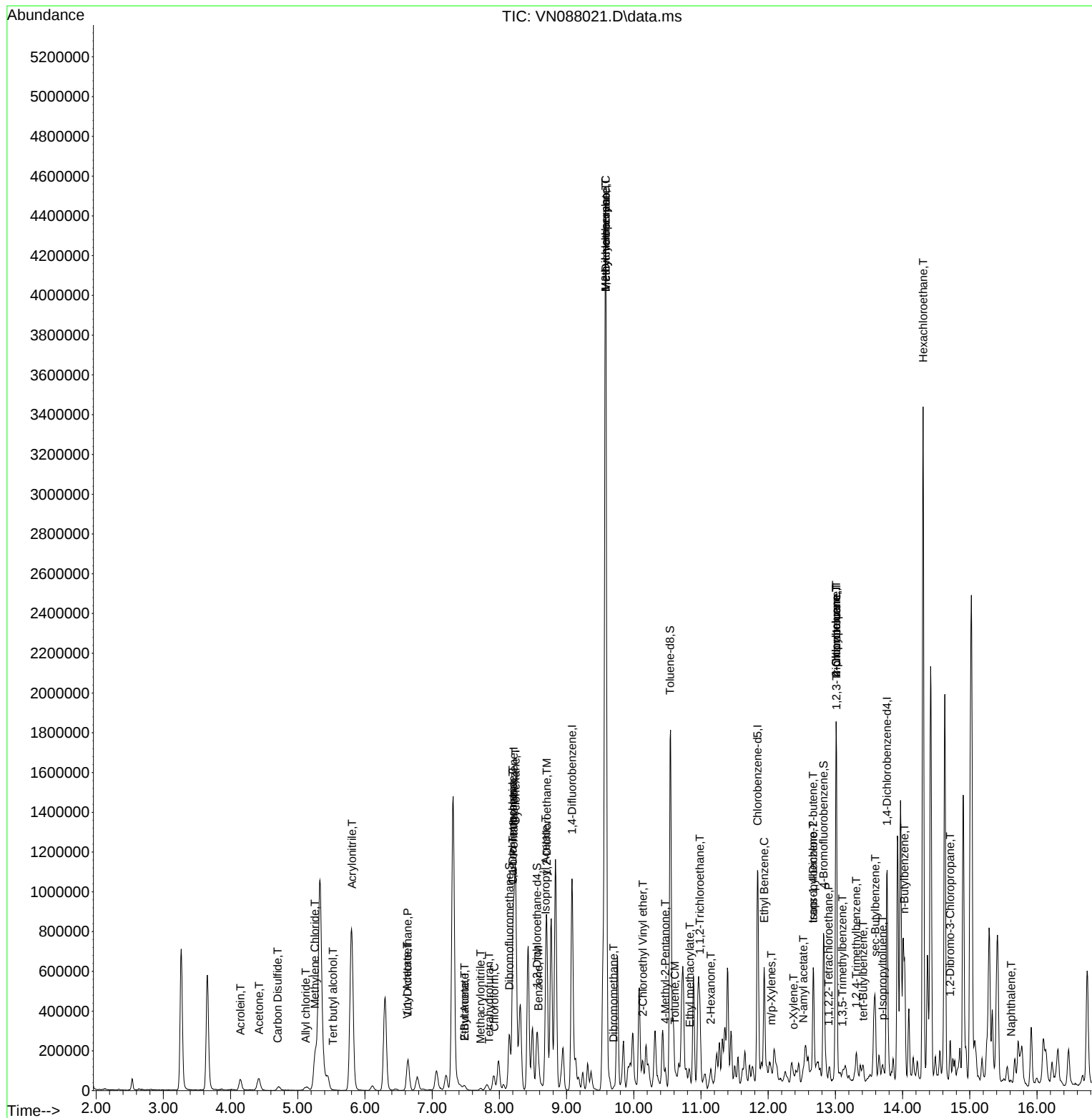
76) 1,2,3-Trichloropropane	13.017	75	10548	1.802	ug/l #	1
78) n-propylbenzene	13.012	91	1443514	62.731	ug/l	100
79) 2-Chlorotoluene	13.012	91	1443514	103.025	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.106	105	31925	2.005	ug/l	77
81) trans-1,4-Dichloro-2-b...	12.670	75	4725	2.241	ug/l #	55
82) 4-Chlorotoluene	13.012	91	1443514	102.245	ug/l #	41
83) tert-Butylbenzene	13.411	119	26053	1.933	ug/l	87
84) 1,2,4-Trimethylbenzene	13.312	105	93650	5.735	ug/l	79
85) sec-Butylbenzene	13.594	105	261070	13.215	ug/l #	66
86) p-Isopropyltoluene	13.706	119	31294	1.870	ug/l	93
89) n-Butylbenzene	14.029	91	360744	22.813	ug/l #	78
90) Hexachloroethane	14.306	117	185809	53.161	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.706	75	1045	0.678	ug/l #	4
95) Naphthalene	15.617	128	17968	1.029	ug/l #	82

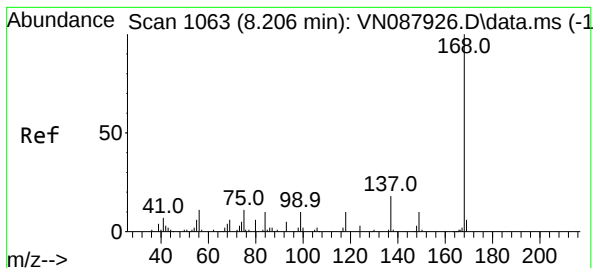
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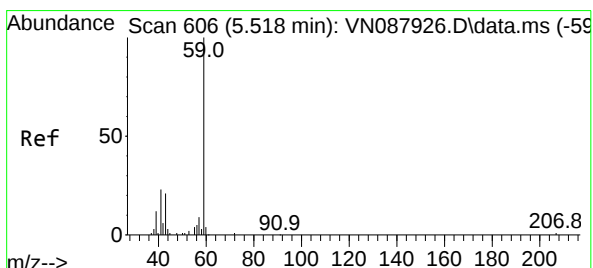
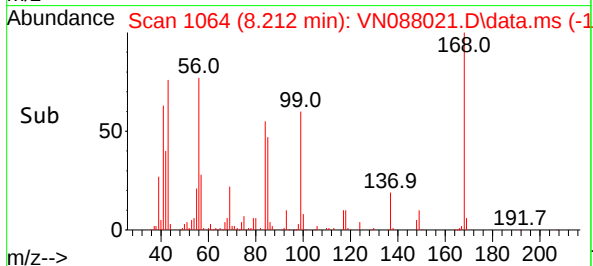
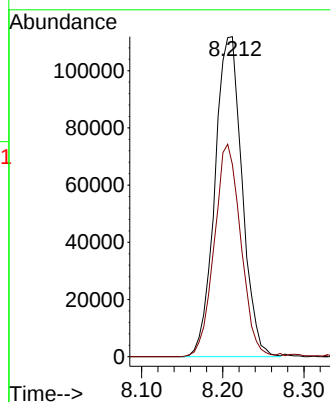
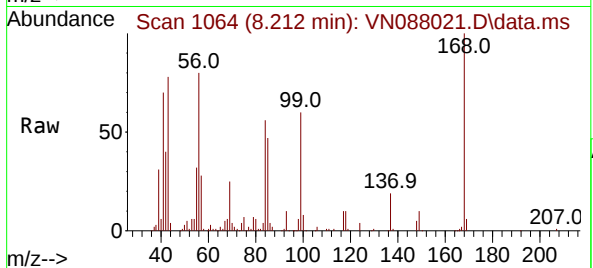




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

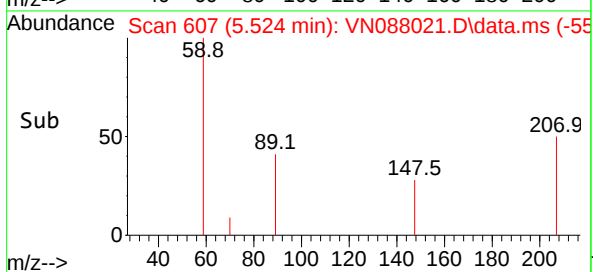
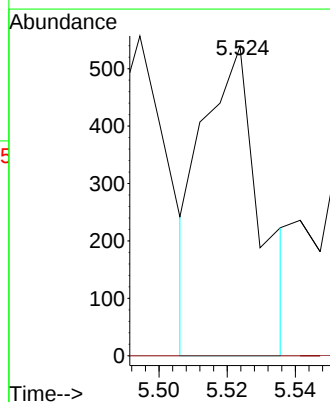
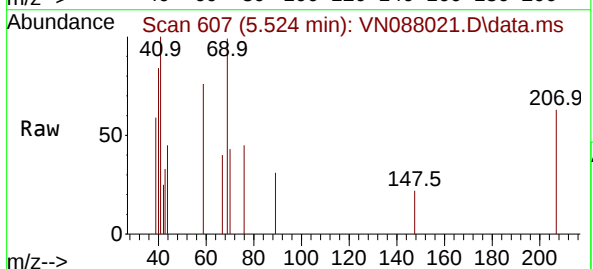
Instrument :
MSVOA_N
ClientSampleId :
MW4

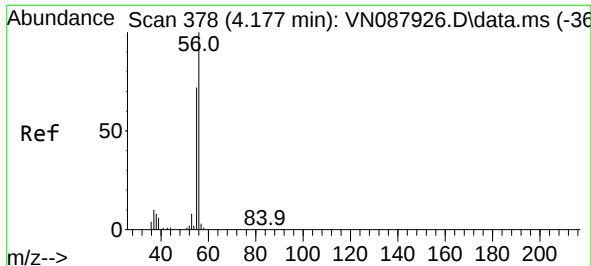
Tgt Ion:168 Resp: 261013
Ion Ratio Lower Upper
168 100
99 60.1 52.2 78.2



#11
Tert butyl alcohol
Concen: 1.002 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 59 Resp: 634
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#





#13

Acrolein

Concen: 3.455 ug/l

RT: 4.147 min Scan# 31

Delta R.T. -0.030 min

Lab File: VN088021.D

Acq: 03 Oct 2025 14:17

Instrument :

MSVOA_N

ClientSampleId :

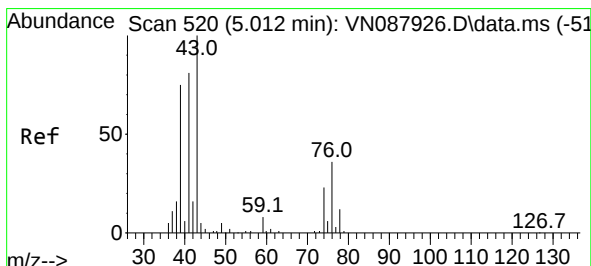
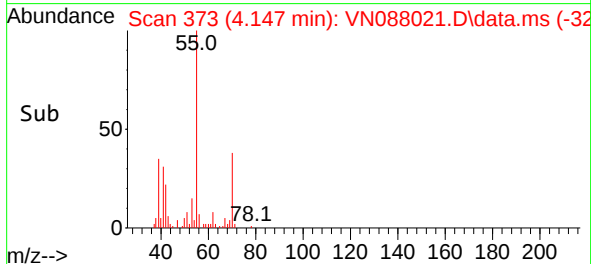
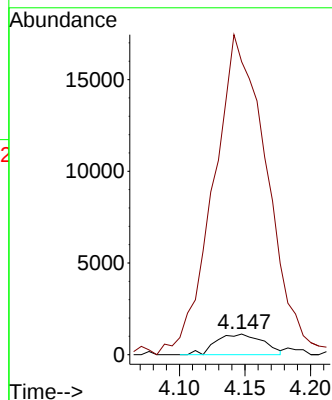
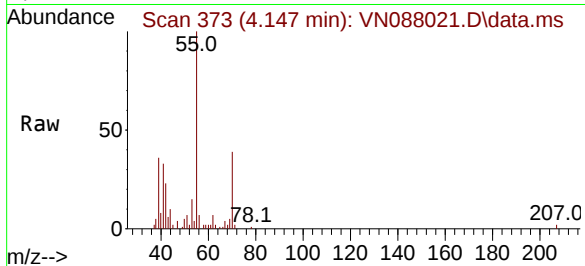
MW4

Tgt Ion: 56 Resp: 2805

Ion Ratio Lower Upper

56 100

55 1774.1 59.3 88.9#



#14

Allyl chloride

Concen: 2.373 ug/l

RT: 5.118 min Scan# 538

Delta R.T. 0.106 min

Lab File: VN088021.D

Acq: 03 Oct 2025 14:17

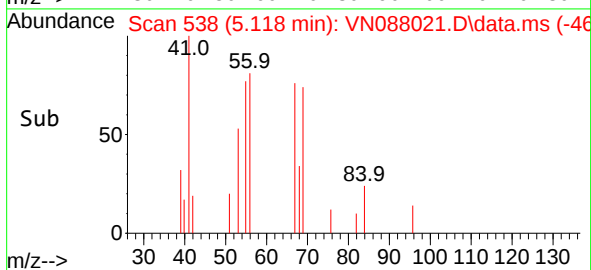
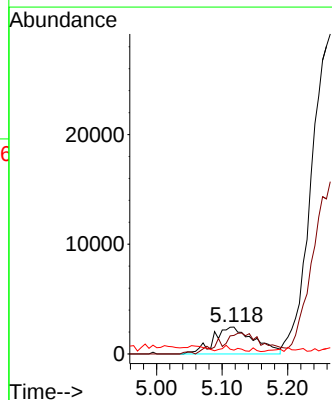
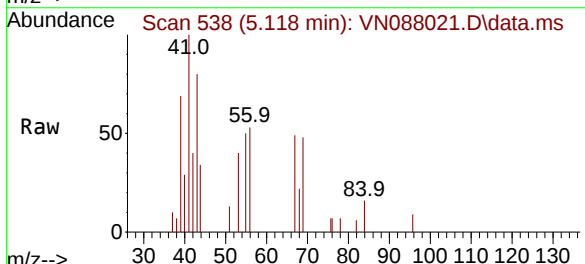
Tgt Ion: 41 Resp: 10593

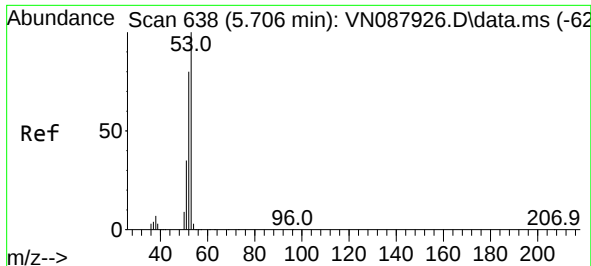
Ion Ratio Lower Upper

41 100

39 37.5 63.8 95.8#

76 0.0 33.0 49.6#

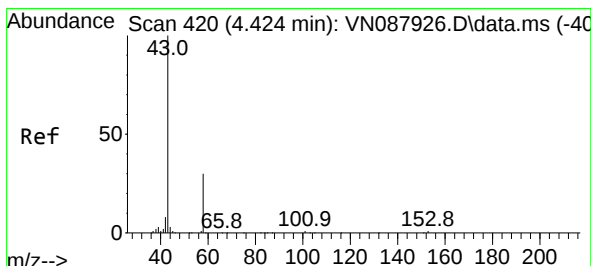
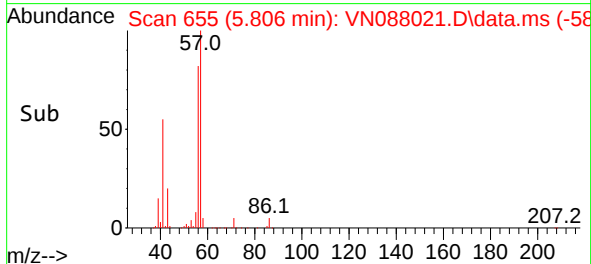
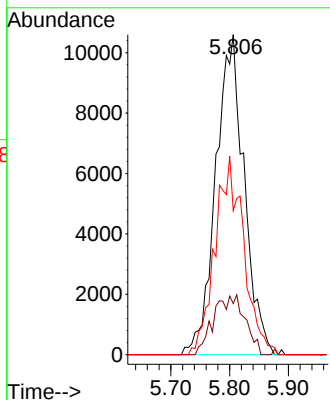
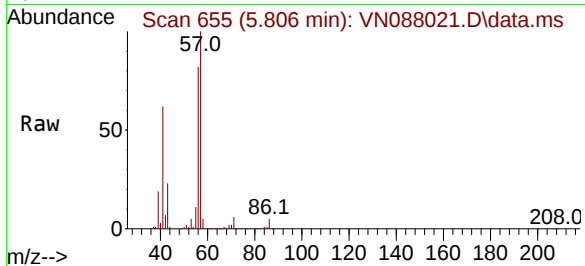




#15
Acrylonitrile
Concen: 17.904 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.100 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

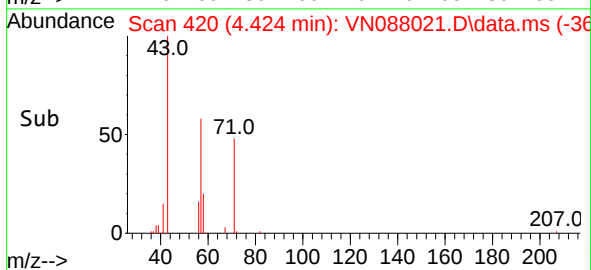
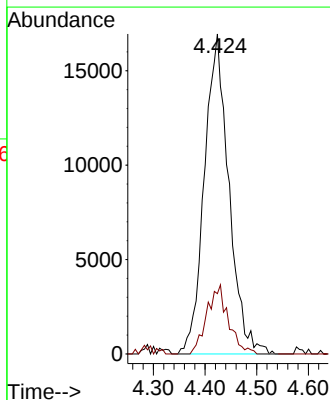
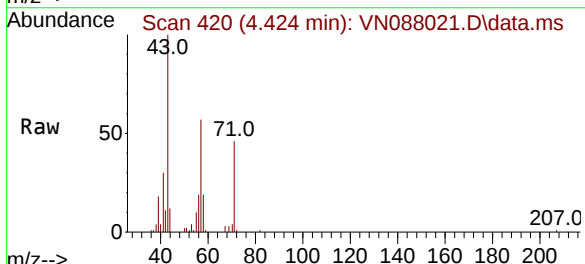
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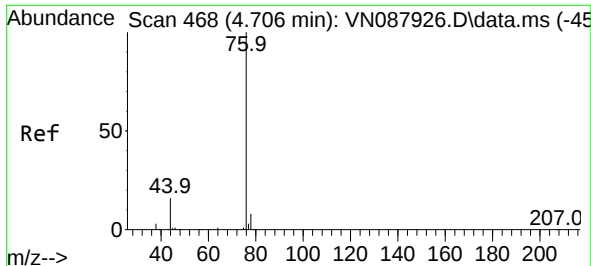
Tgt Ion: 53 Resp: 35532
Ion Ratio Lower Upper
53 100
52 0.0 66.6 99.8#
51 62.5 29.0 43.4#



#16
Acetone
Concen: 30.861 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 43 Resp: 55776
Ion Ratio Lower Upper
43 100
58 18.8 24.1 36.1#

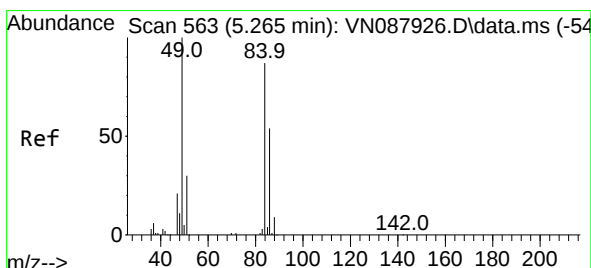
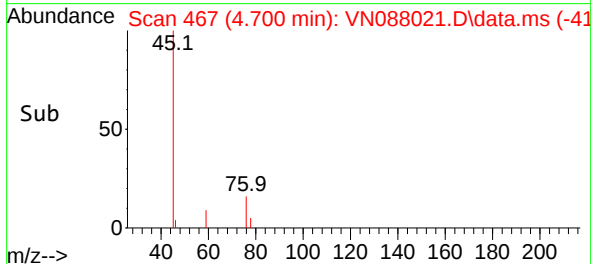
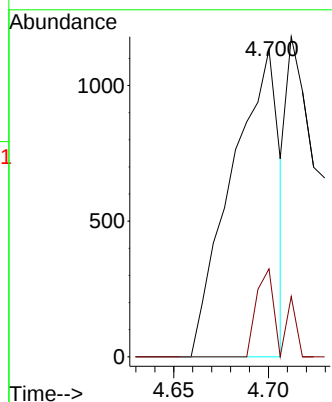
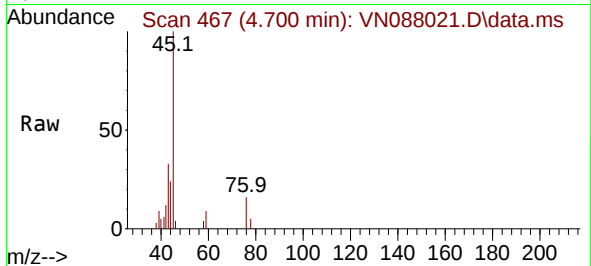




#17
Carbon Disulfide
Concen: 0.231 ug/l
RT: 4.700 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

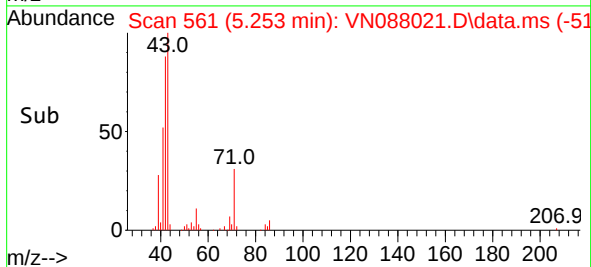
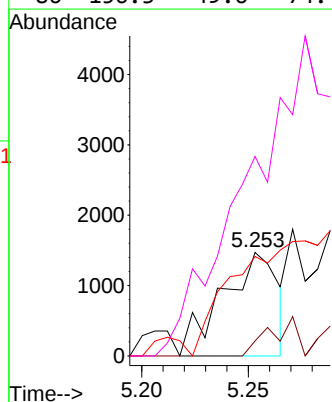
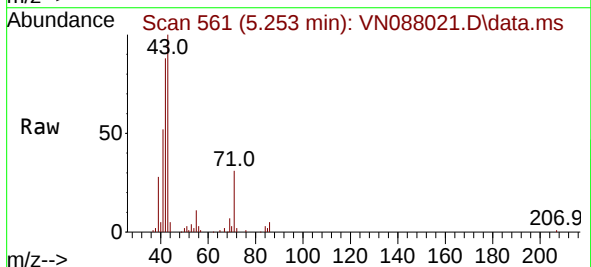
Instrument :
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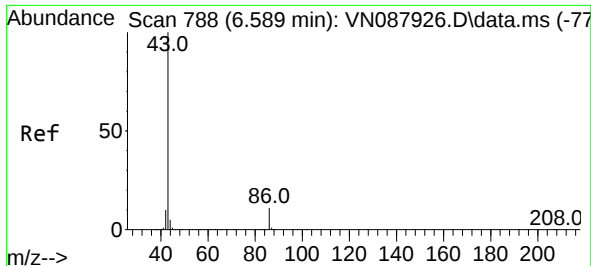
Tgt Ion: 76 Resp: 1975
Ion Ratio Lower Upper
76 100
78 28.6 6.7 10.1#



#20
Methylene Chloride
Concen: 0.723 ug/l
RT: 5.253 min Scan# 561
Delta R.T. -0.012 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 84 Resp: 2644
Ion Ratio Lower Upper
84 100
49 14.5 92.1 138.1#
51 81.3 27.7 41.5#
86 156.3 49.6 74.4#

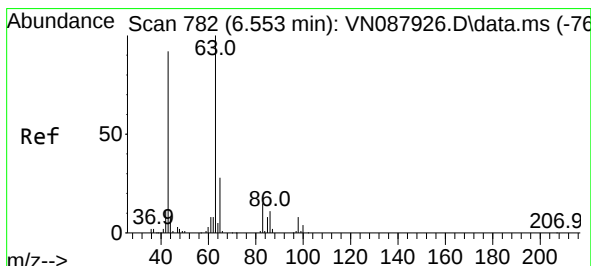
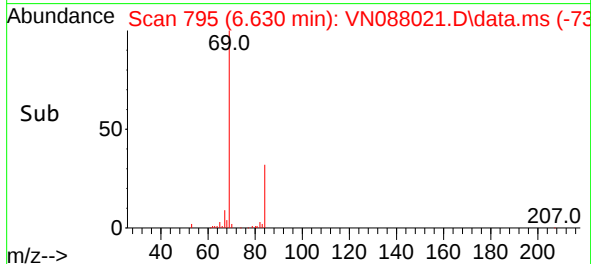
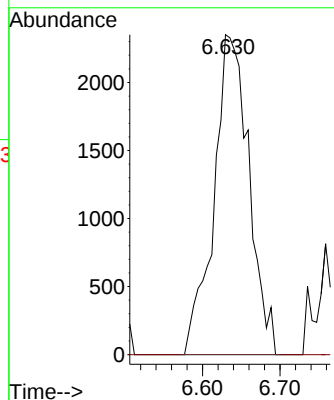
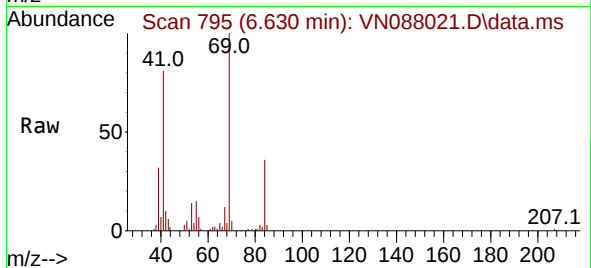




#23
 Vinyl Acetate
 Concen: 0.843 ug/l
 RT: 6.630 min Scan# 795
 Delta R.T. 0.041 min
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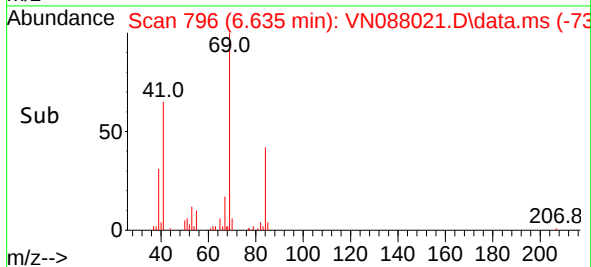
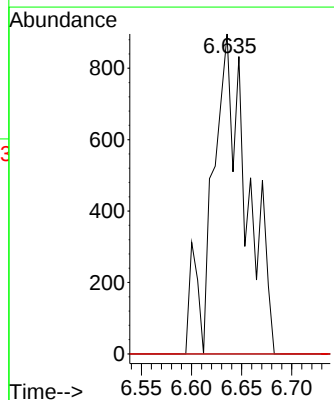
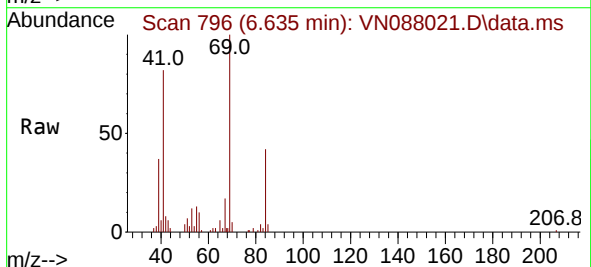
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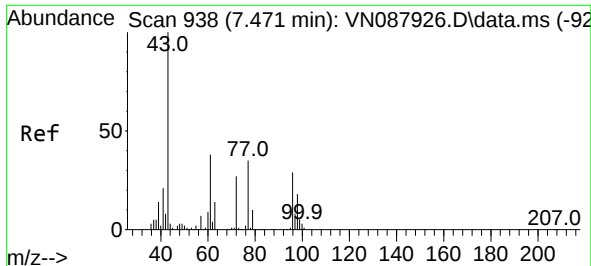
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 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#24
 1,1-Dichloroethane
 Concen: 0.357 ug/l
 RT: 6.635 min Scan# 796
 Delta R.T. 0.082 min
 Lab File: VN088021.D
 Acq: 03 Oct 2025 14:17

Tgt Ion: 63 Resp: 2176
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.5#
 100 0.0 2.1 6.5#

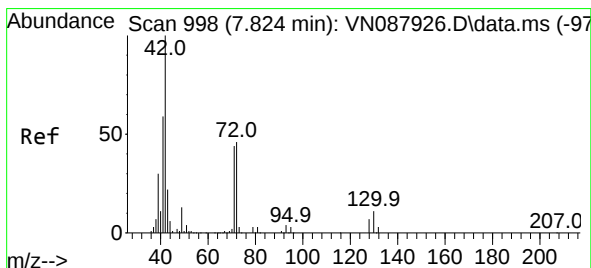
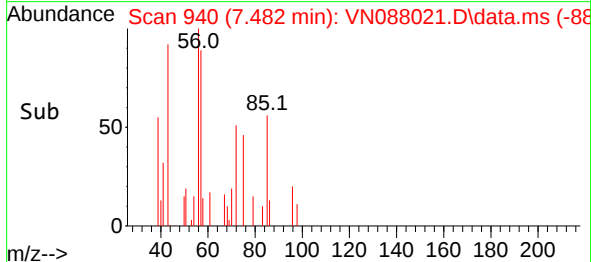
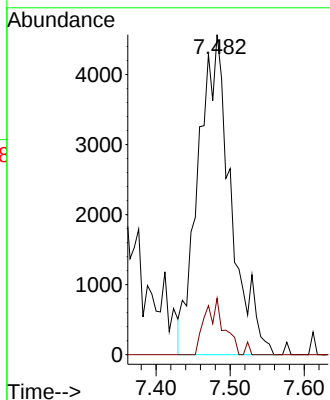
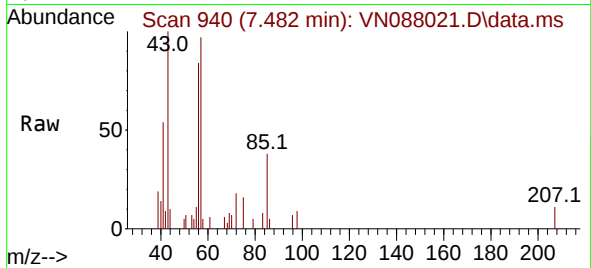




#25
2-Butanone
Concen: 5.061 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

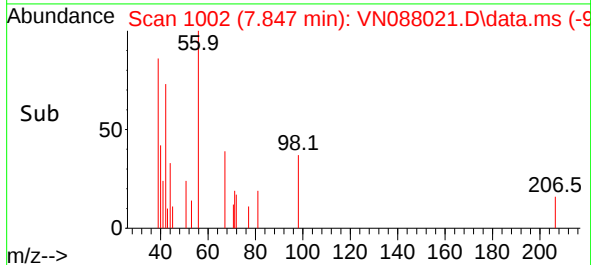
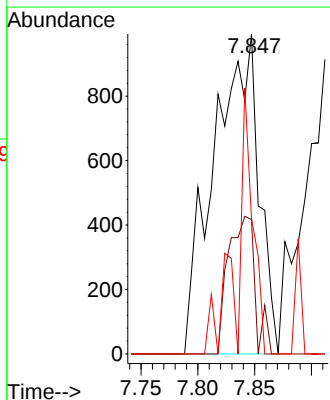
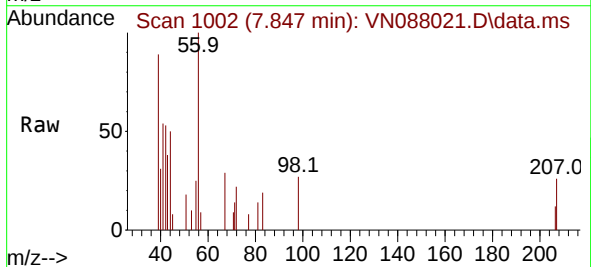
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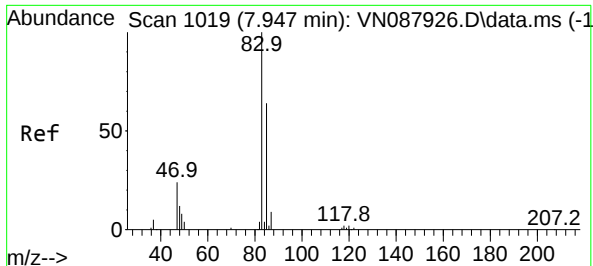
Tgt Ion: 43 Resp: 13982
Ion Ratio Lower Upper
43 100
72 17.7 21.5 32.3#



#29
Tetrahydrofuran
Concen: 1.543 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.023 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 42 Resp: 2730
Ion Ratio Lower Upper
42 100
72 25.6 36.5 54.7#
71 0.0 33.8 50.8#

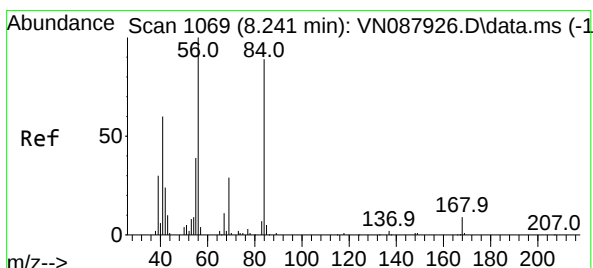
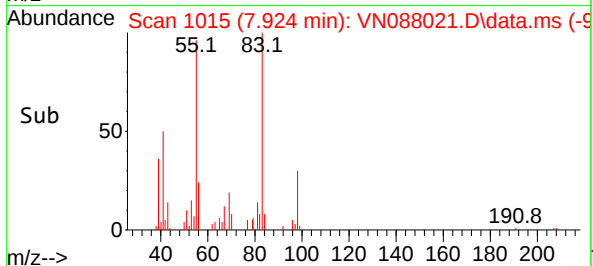
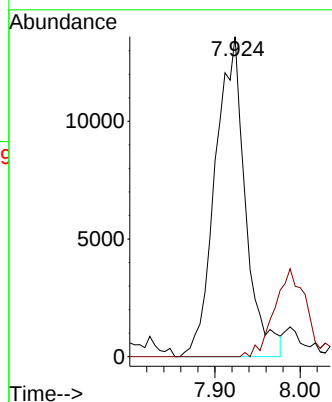
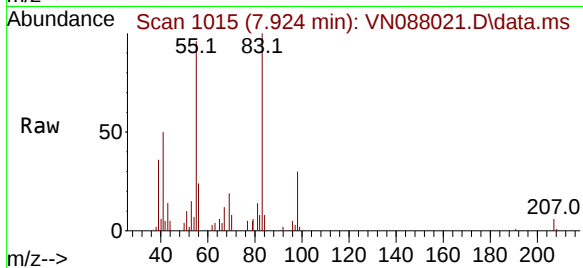




#30
Chloroform
Concen: 5.031 ug/l
RT: 7.924 min Scan# 1015
Delta R.T. -0.024 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

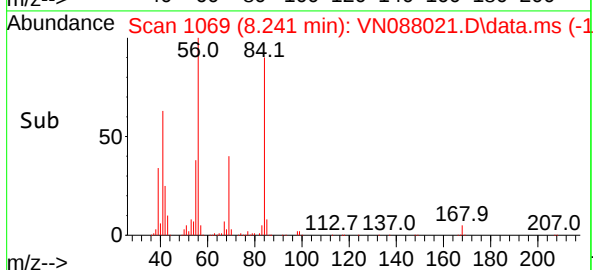
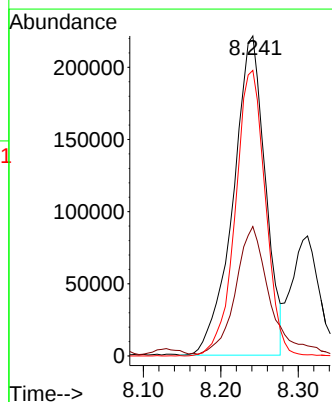
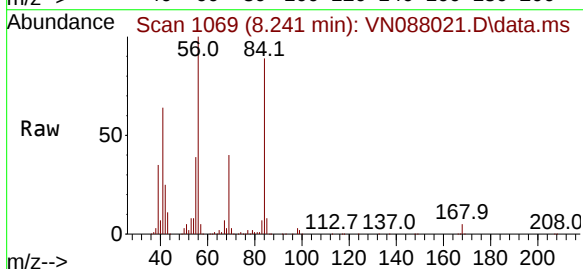
Instrument :
MSVOA_N
ClientSampleId :
MW4

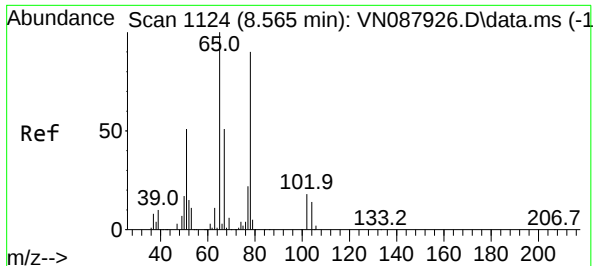
Tgt Ion: 83 Resp: 33486
Ion Ratio Lower Upper
83 100
85 0.0 50.9 76.3#



#31
Cyclohexane
Concen: 129.685 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 56 Resp: 638794
Ion Ratio Lower Upper
56 100
69 38.9 23.4 35.0#
84 89.4 70.8 106.2





#33

1,2-Dichloroethane-d4

Concen: 52.324 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN088021.D

Acq: 03 Oct 2025 14:17

Instrument :

MSVOA_N

ClientSampleId :

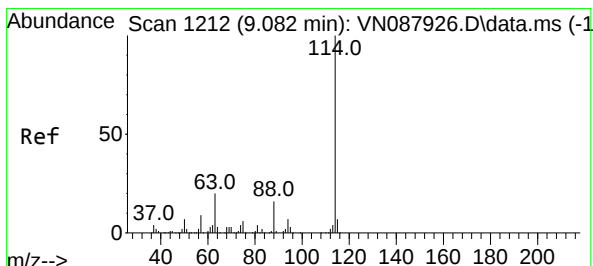
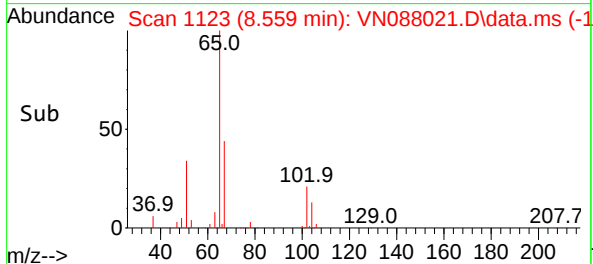
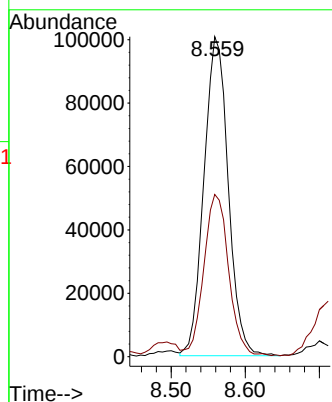
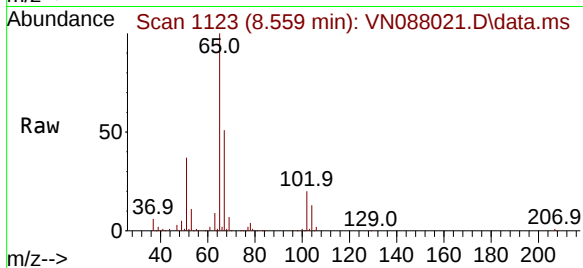
MW4

Tgt Ion: 65 Resp: 229841

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088021.D

Acq: 03 Oct 2025 14:17

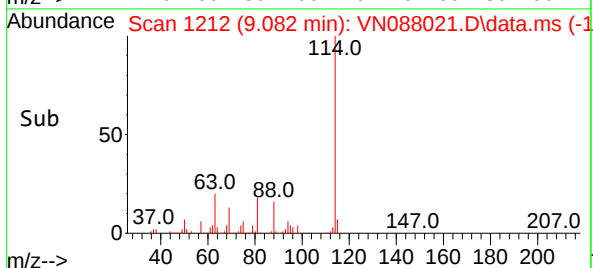
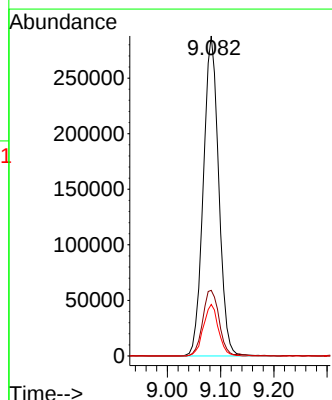
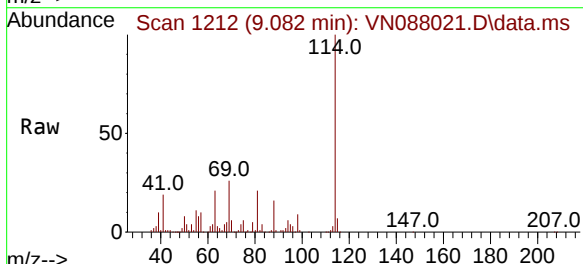
Tgt Ion: 114 Resp: 577276

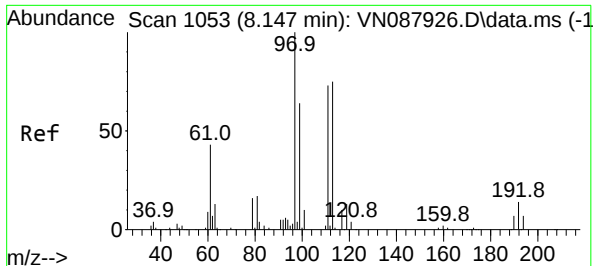
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

88 16.1 0.0 31.8

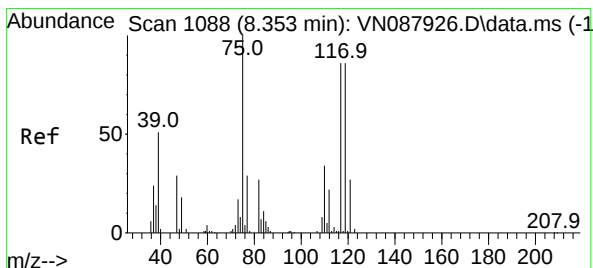
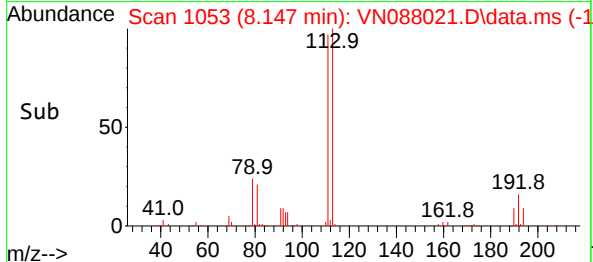
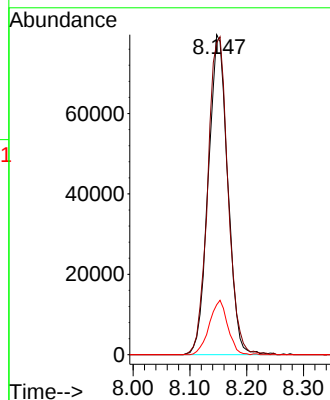
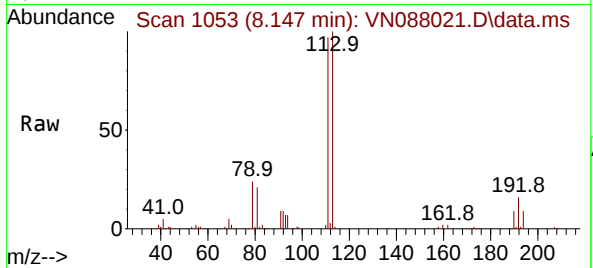




#35
Dibromofluoromethane
Concen: 45.090 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

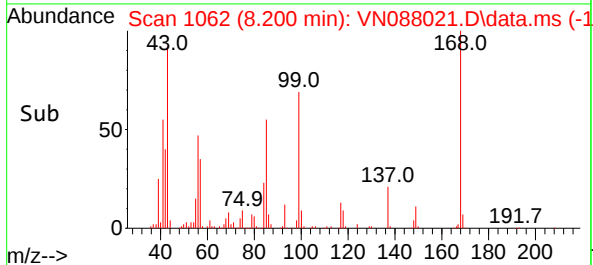
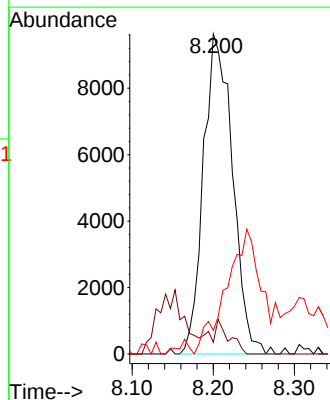
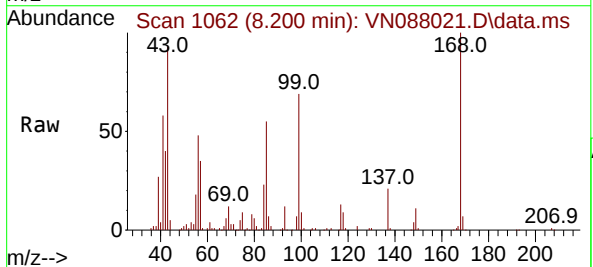
Instrument :
MSVOA_N
ClientSampleId :
MW4

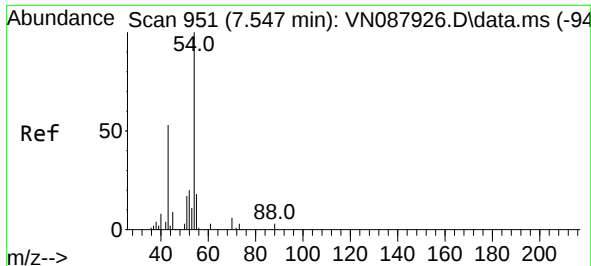
Tgt Ion:113 Resp: 188989
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 16.1 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.770 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.153 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 75 Resp: 24041
Ion Ratio Lower Upper
75 100
110 4.8 17.1 51.3#
77 0.0 24.8 37.2#

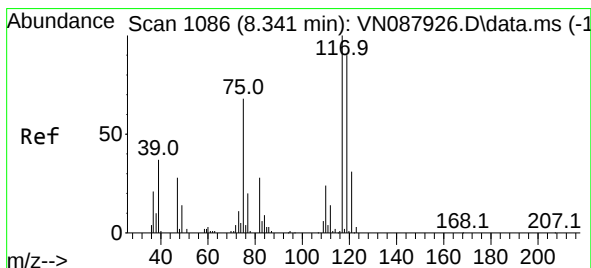
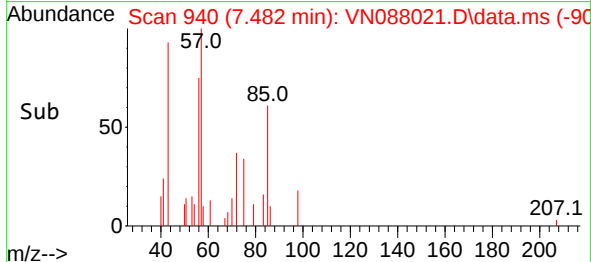
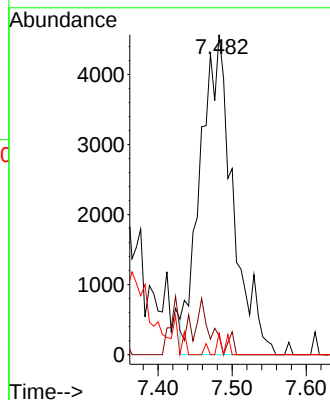
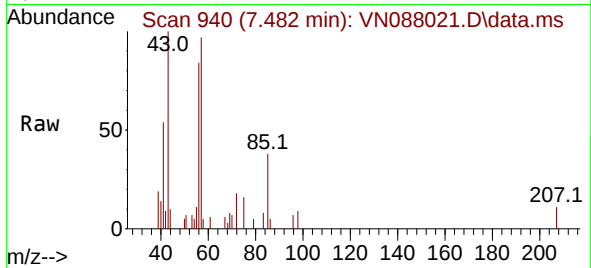




#37
Ethyl Acetate
Concen: 2.113 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.065 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

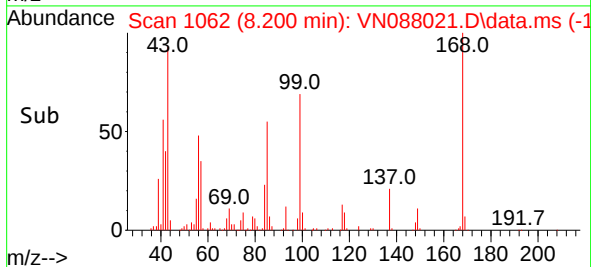
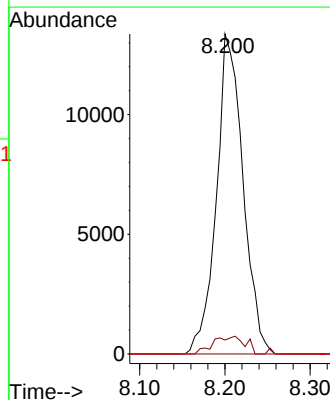
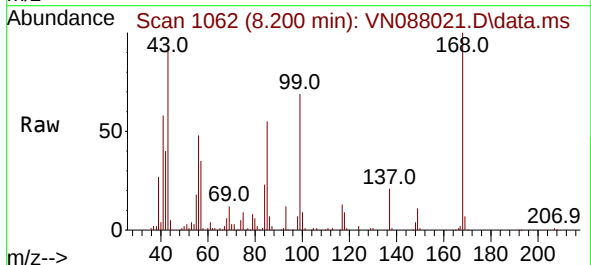
Instrument :
MSVOA_N
ClientSampleId :
MW4

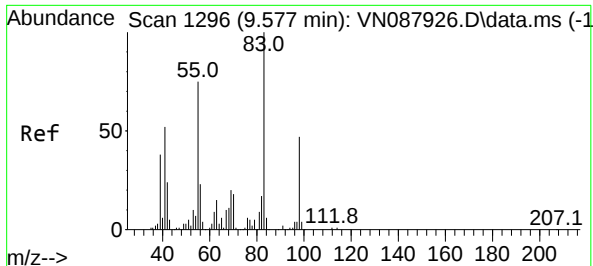
Tgt Ion: 43 Resp: 13982
Ion Ratio Lower Upper
43 100
61 1.3 10.7 16.1#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.012 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.141 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 117 Resp: 28987
Ion Ratio Lower Upper
117 100
119 4.4 72.1 108.1#
121 0.0 24.6 36.8#





#39

Methylcyclohexane

Concen: 355.926 ug/l

RT: 9.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN088021.D

Acq: 03 Oct 2025 14:17

Instrument :

MSVOA_N

ClientSampleId :

MW4

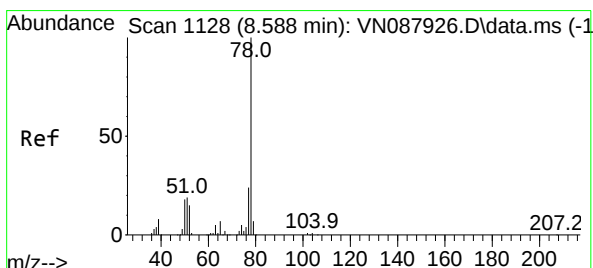
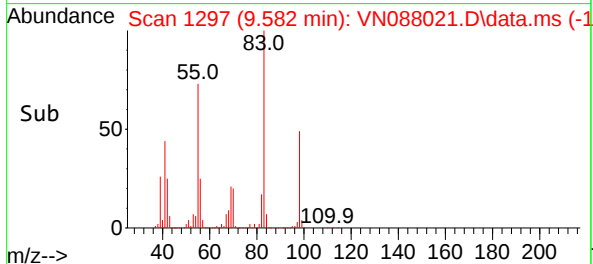
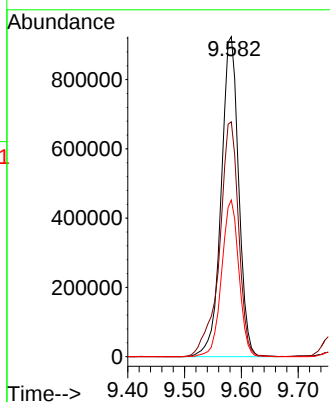
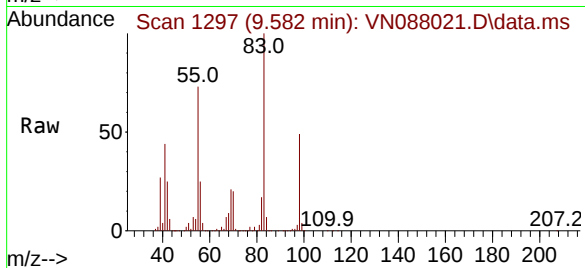
Tgt Ion: 83 Resp: 1978856

Ion Ratio Lower Upper

83 100

55 73.4 59.9 89.9

98 48.9 37.4 56.2



#40

Benzene

Concen: 3.796 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN088021.D

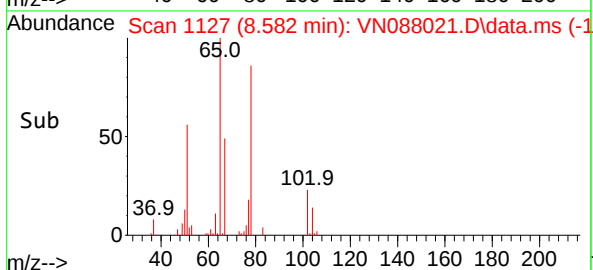
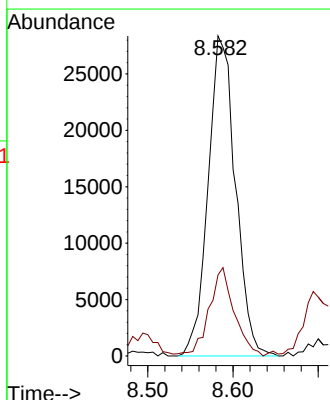
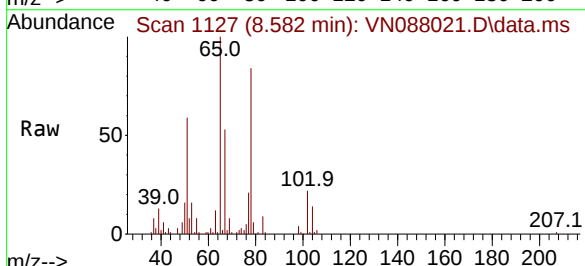
Acq: 03 Oct 2025 14:17

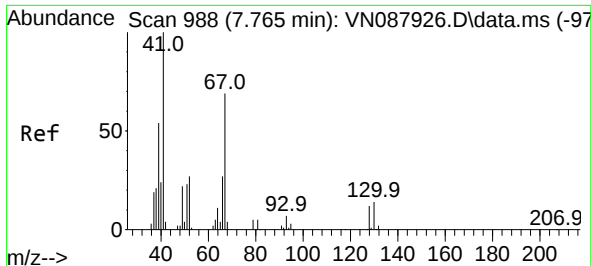
Tgt Ion: 78 Resp: 63341

Ion Ratio Lower Upper

78 100

77 24.8 19.0 28.6

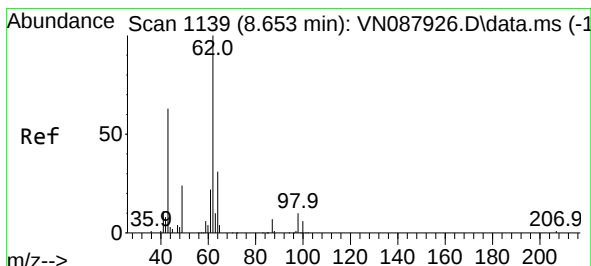
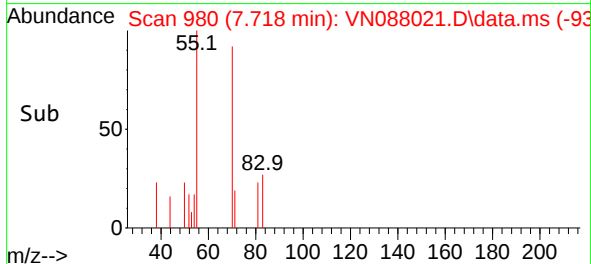
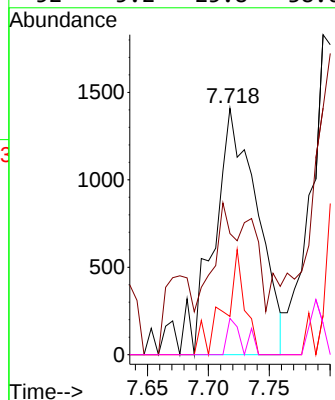
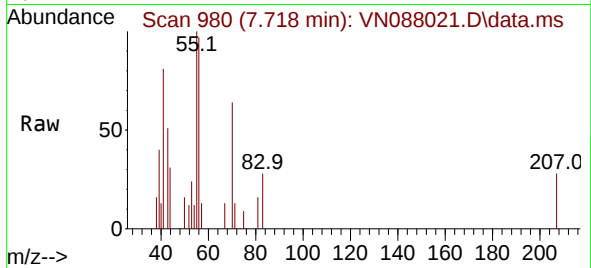




#41
Methacrylonitrile
Concen: 1.020 ug/l
RT: 7.718 min Scan# 91
Delta R.T. -0.047 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

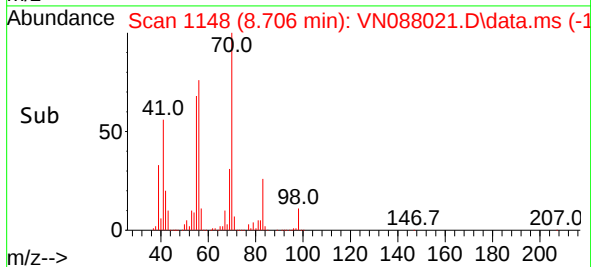
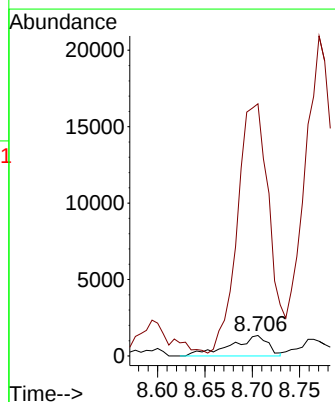
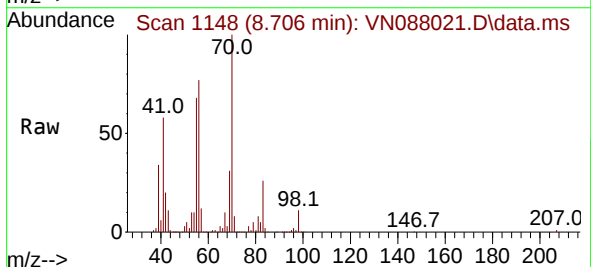
Instrument :
MSVOA_N
ClientSampleId :
MW4

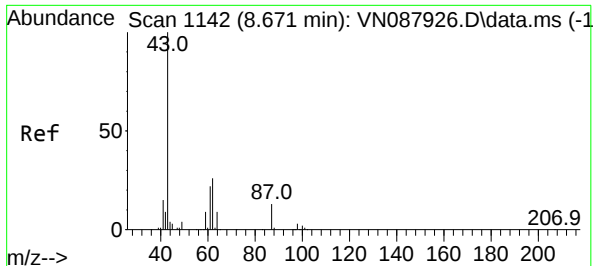
Tgt Ion: 41 Resp: 3488
Ion Ratio Lower Upper
41 100
39 21.2 43.5 65.3#
67 0.0 57.6 86.4#
52 5.2 25.8 38.6#



#42
1,2-Dichloroethane
Concen: 0.592 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.053 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 62 Resp: 3688
Ion Ratio Lower Upper
62 100
98 1036.6 0.0 18.6#





#43

Isopropyl Acetate

Concen: 7.795 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN088021.D

Acq: 03 Oct 2025 14:17

Instrument :

MSVOA_N

ClientSampleId :

MW4

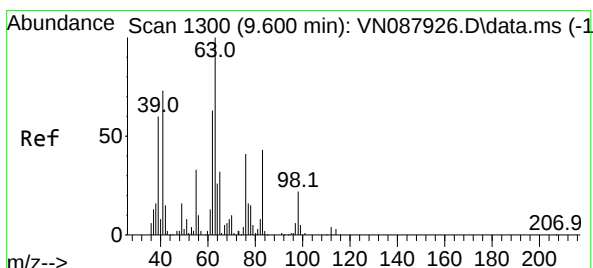
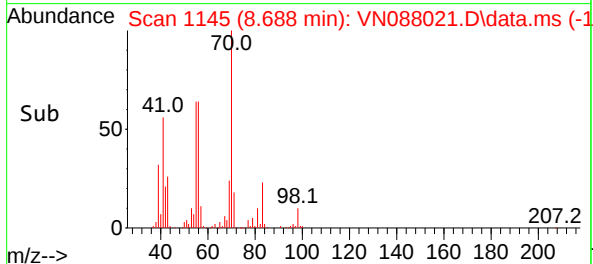
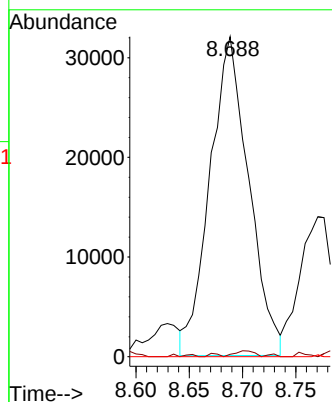
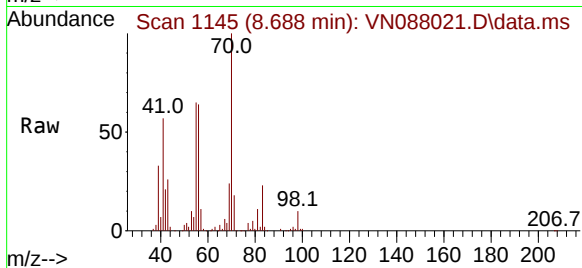
Tgt Ion: 43 Resp: 81201

Ion Ratio Lower Upper

43 100

61 1.0 20.2 30.2#

87 0.0 10.9 16.3#



#45

1,2-Dichloropropane

Concen: 5.913 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. -0.018 min

Lab File: VN088021.D

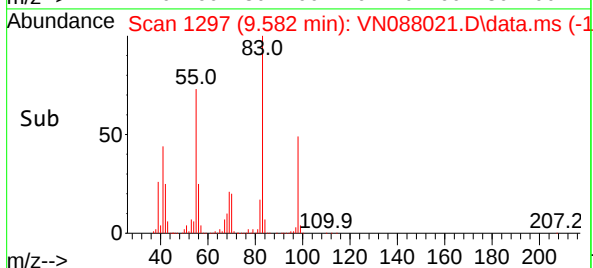
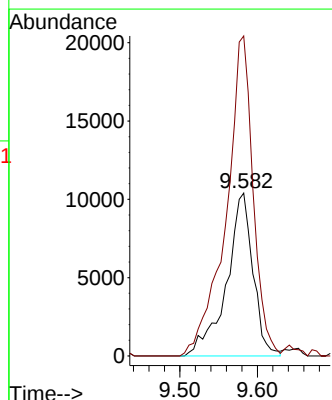
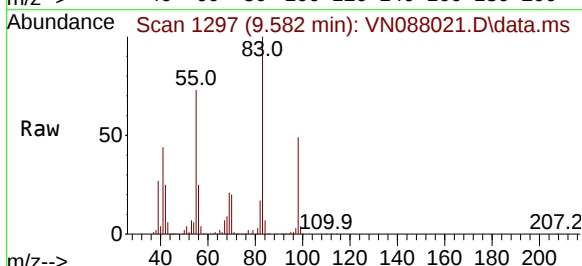
Acq: 03 Oct 2025 14:17

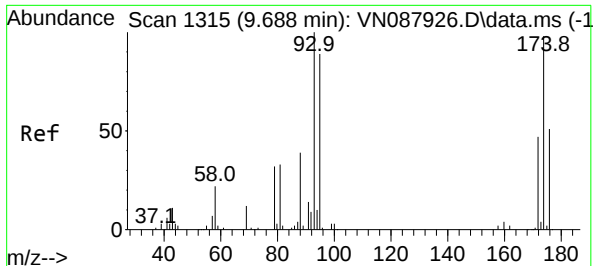
Tgt Ion: 63 Resp: 24741

Ion Ratio Lower Upper

63 100

65 196.5 25.4 38.0#

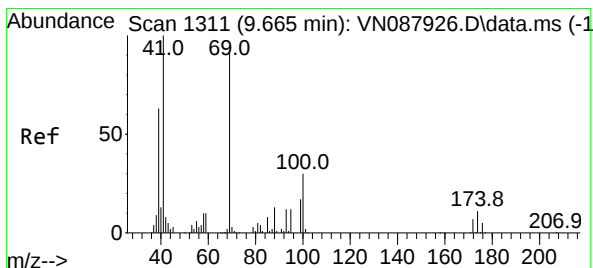
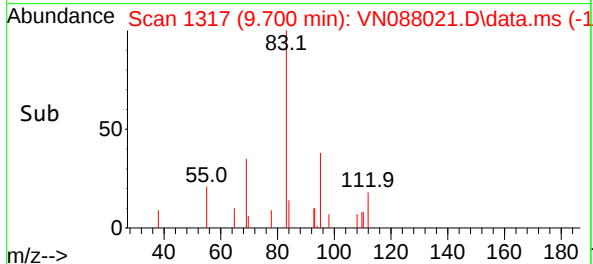
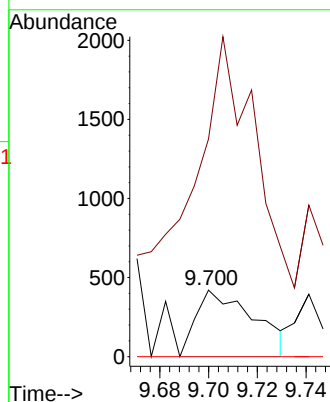
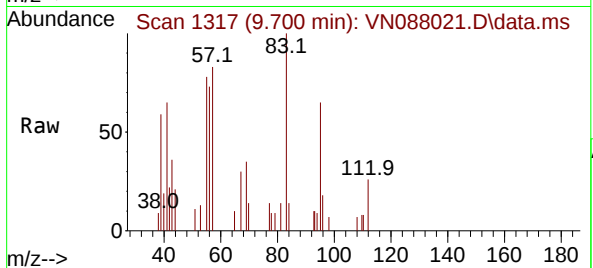




#46
Dibromomethane
Concen: 0.210 ug/l
RT: 9.700 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

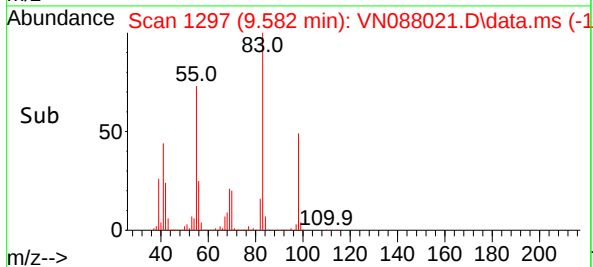
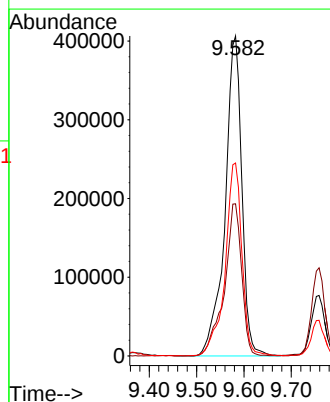
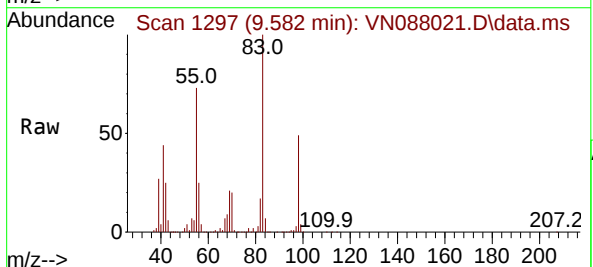
Instrument :
MSVOA_N
ClientSampleId :
MW4

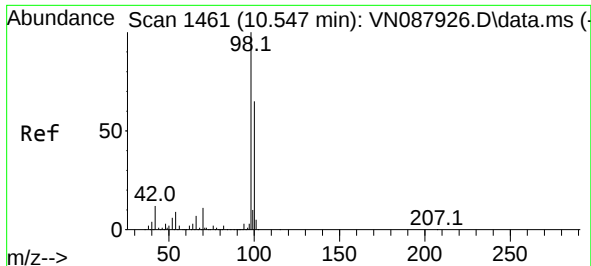
Tgt Ion: 93 Resp: 693
Ion Ratio Lower Upper
93 100
95 358.2 67.6 101.4#
174 0.0 75.4 113.0#



#48
Methyl methacrylate
Concen: 207.438 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.082 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 41 Resp: 1000725
Ion Ratio Lower Upper
41 100
69 49.1 70.9 106.3#
39 60.5 52.9 79.3

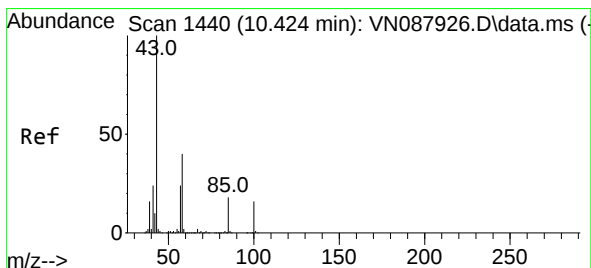
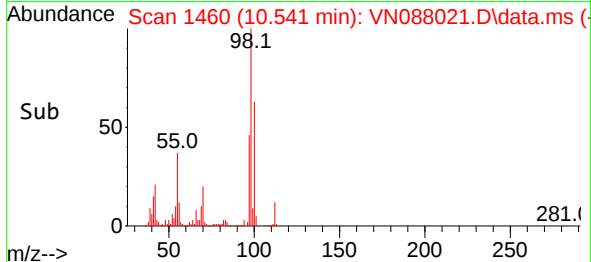
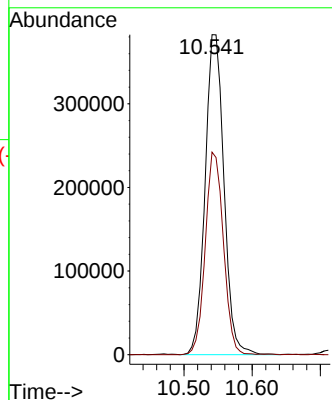
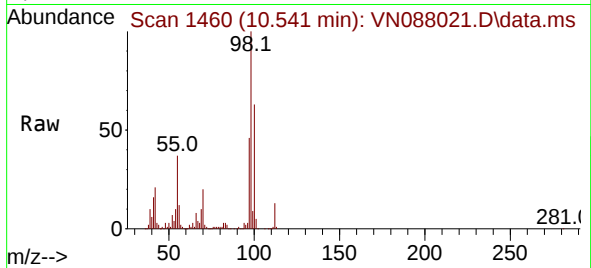




#50
Toluene-d8
Concen: 49.880 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

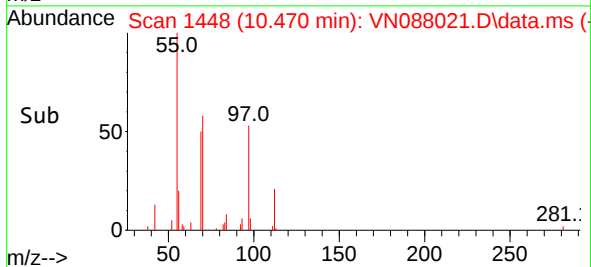
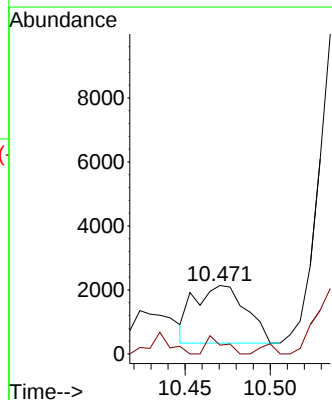
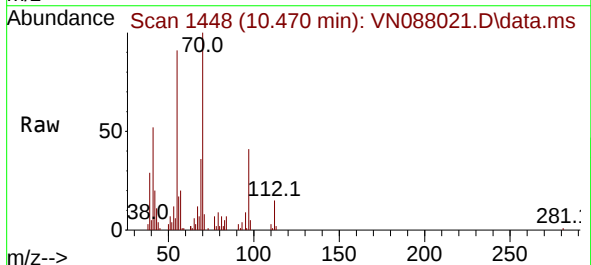
Instrument :
MSVOA_N
ClientSampleId :
MW4

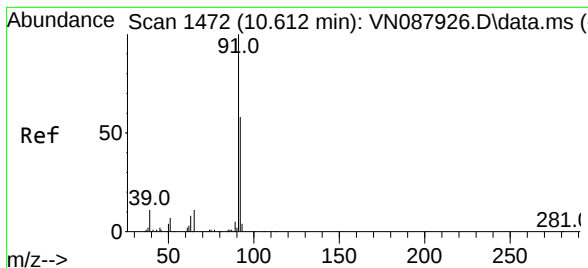
Tgt Ion: 98 Resp: 735191
Ion Ratio Lower Upper
98 100
100 61.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.583 ug/l
RT: 10.470 min Scan# 1448
Delta R.T. 0.047 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 43 Resp: 3790
Ion Ratio Lower Upper
43 100
58 10.8 31.0 46.6#





#52

Toluene

Concen: 1.524 ug/l

RT: 10.612 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VN088021.D

Acq: 03 Oct 2025 14:17

Instrument :

MSVOA_N

ClientSampleId :

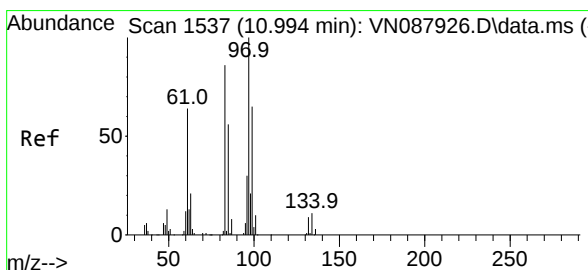
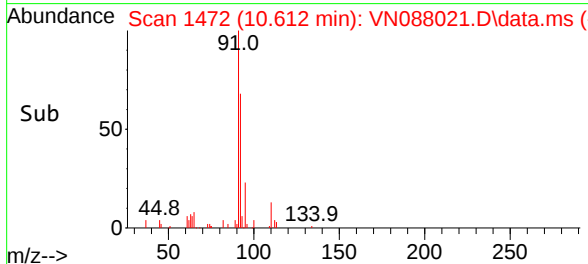
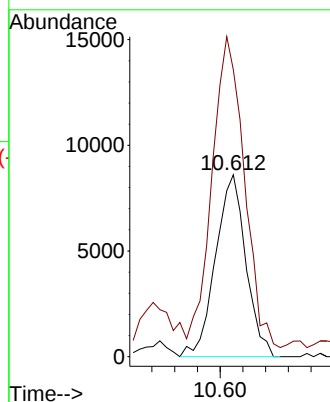
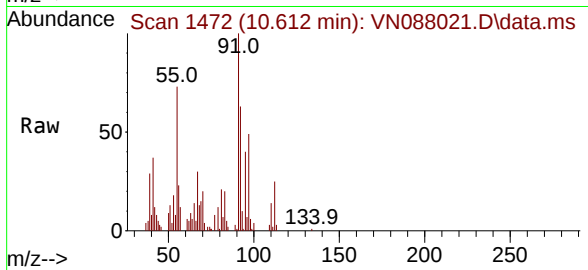
MW4

Tgt Ion: 92 Resp: 15963

Ion Ratio Lower Upper

92 100

91 188.5 138.2 207.2



#55

1,1,2-Trichloroethane

Concen: 32.911 ug/l

RT: 10.982 min Scan# 1535

Delta R.T. -0.012 min

Lab File: VN088021.D

Acq: 03 Oct 2025 14:17

Tgt Ion: 97 Resp: 140129

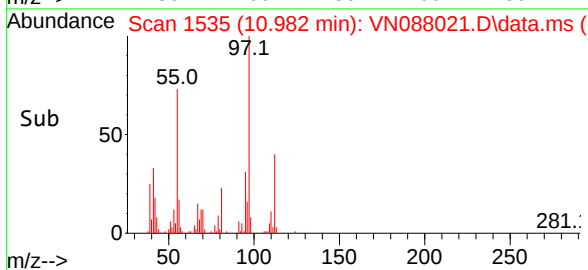
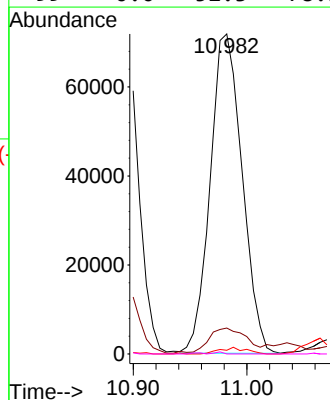
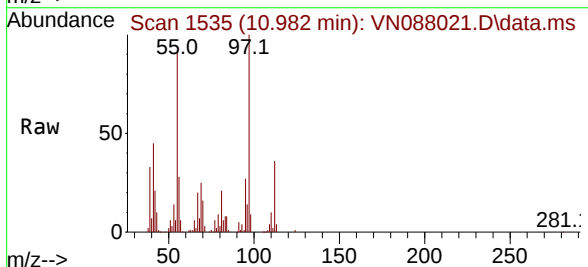
Ion Ratio Lower Upper

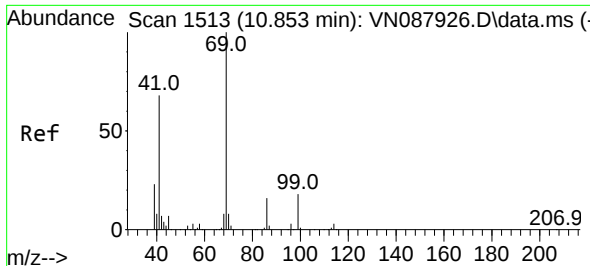
97 100

83 7.3 69.0 103.4#

85 1.1 44.4 66.6#

99 0.0 52.3 78.5#

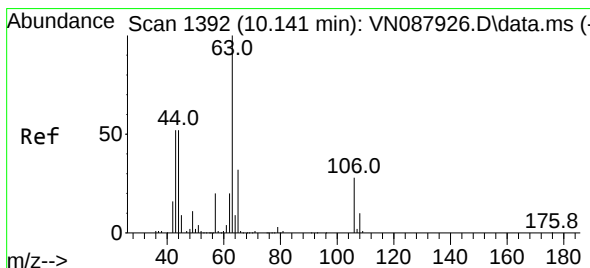
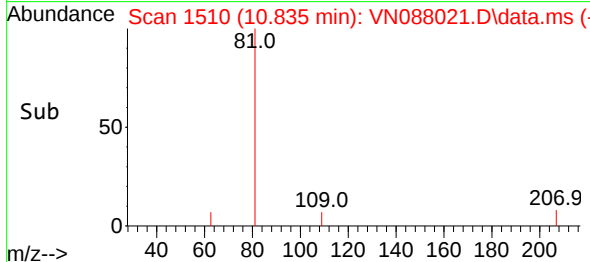
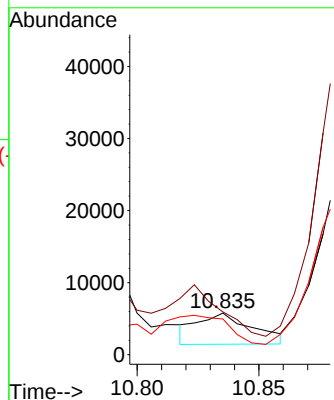
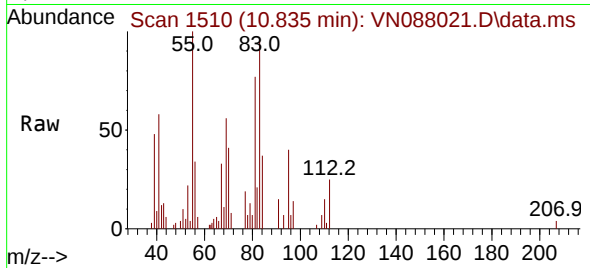




#56
Ethyl methacrylate
Concen: 1.100 ug/l
RT: 10.835 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

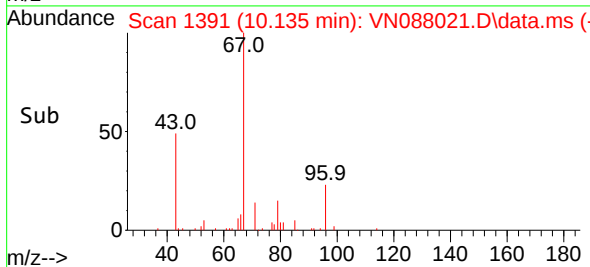
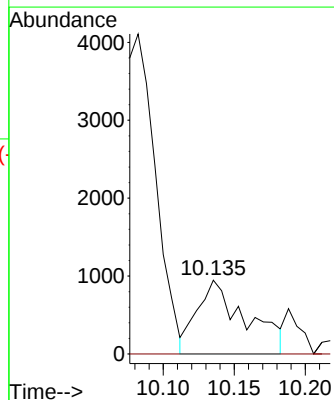
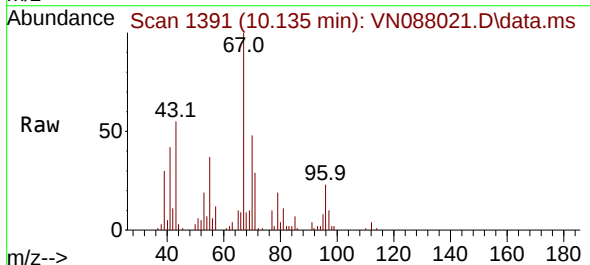
Instrument :
MSVOA_N
ClientSampleId :
MW4

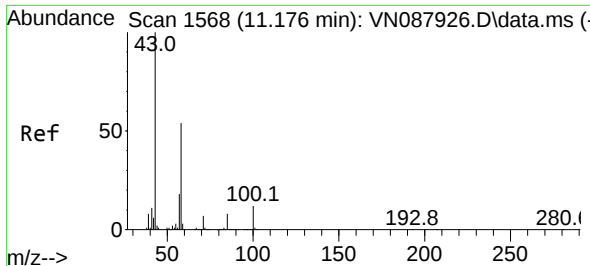
Tgt Ion: 69 Resp: 6766
Ion Ratio Lower Upper
69 100
41 142.8 53.8 80.6#
39 104.2 34.7 52.1#



#58
2-Chloroethyl Vinyl ether
Concen: 0.777 ug/l
RT: 10.135 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 63 Resp: 2248
Ion Ratio Lower Upper
63 100
106 0.0 22.6 33.8#

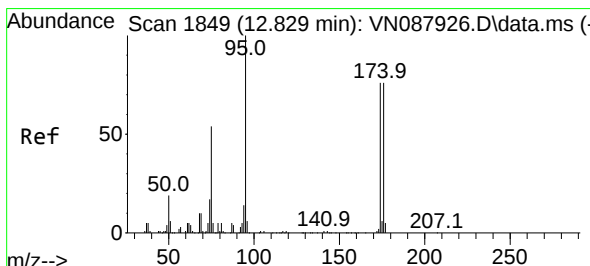
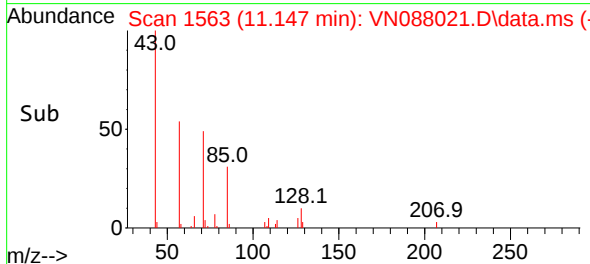
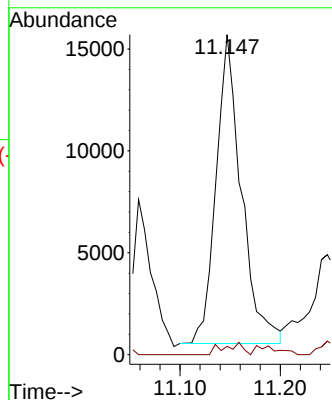
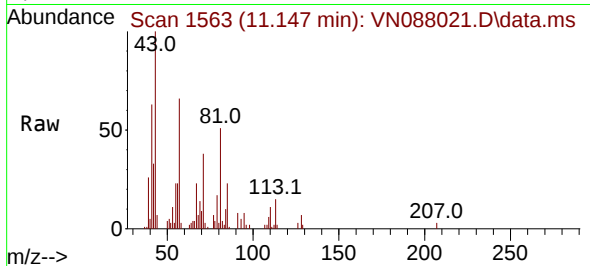




#59
2-Hexanone
Concen: 6.163 ug/l
RT: 11.147 min Scan# 111
Delta R.T. -0.030 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

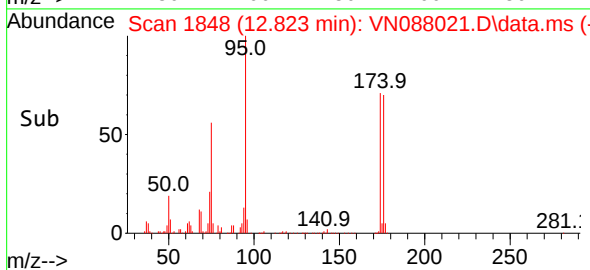
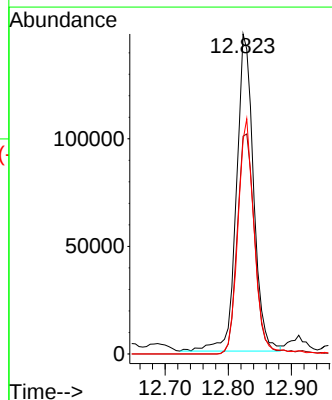
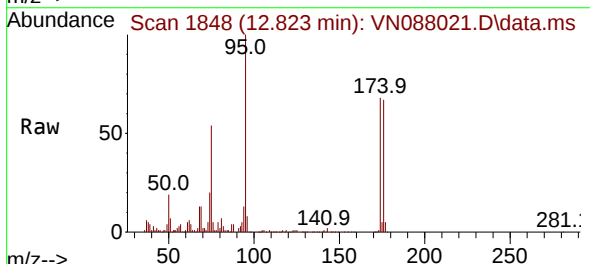
Instrument :
MSVOA_N
ClientSampleId :
MW4

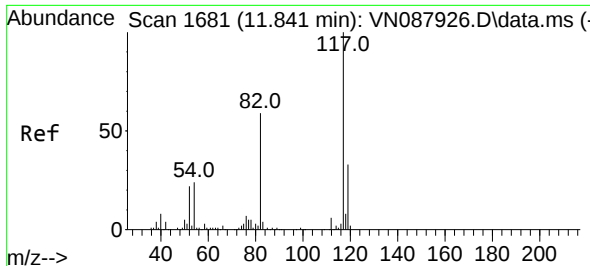
Tgt Ion: 43 Resp: 26491
Ion Ratio Lower Upper
43 100
58 3.0 26.4 79.2#



#62
4-Bromofluorobenzene
Concen: 52.912 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 95 Resp: 278766
Ion Ratio Lower Upper
95 100
174 70.4 0.0 159.2
176 69.9 0.0 152.6

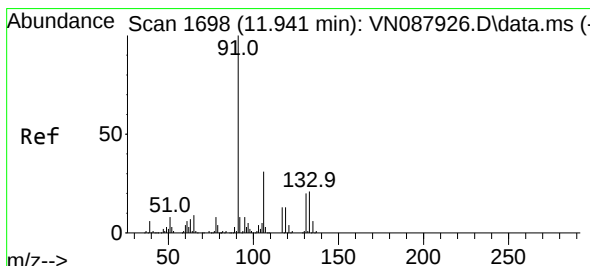
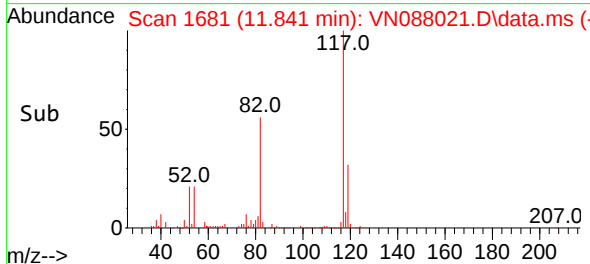
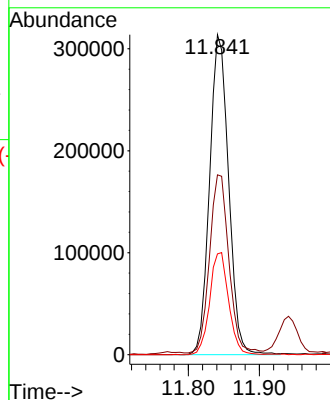
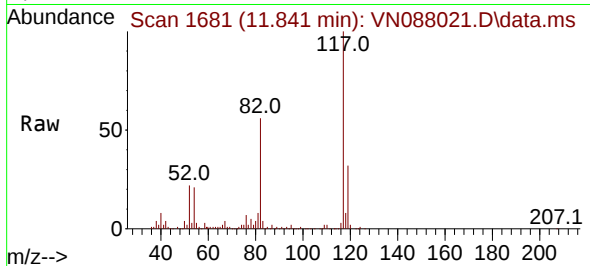




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

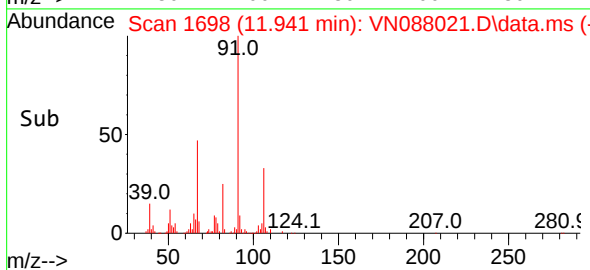
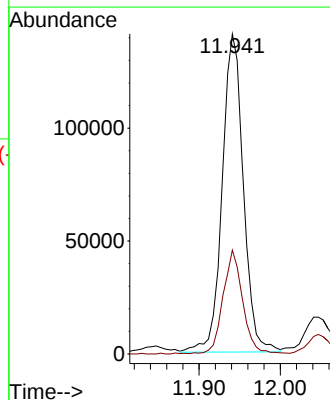
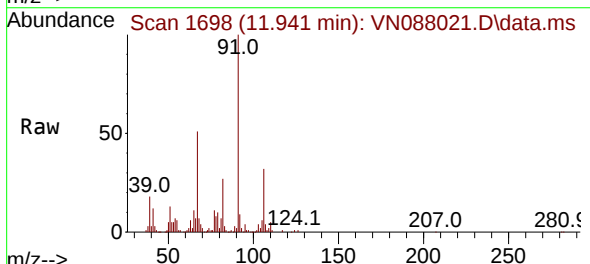
Instrument :
MSVOA_N
ClientSampleId :
MW4

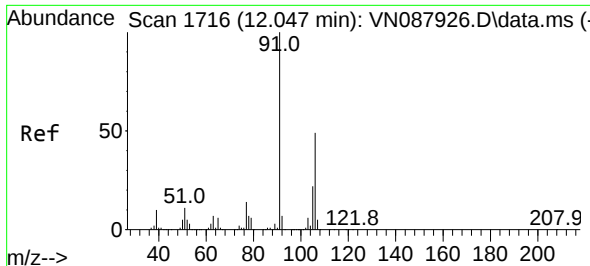
Tgt Ion:117 Resp: 582521
Ion Ratio Lower Upper
117 100
82 55.5 47.0 70.4
119 31.5 26.1 39.1



#67
Ethyl Benzene
Concen: 12.354 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 91 Resp: 255552
Ion Ratio Lower Upper
91 100
106 32.5 25.2 37.8

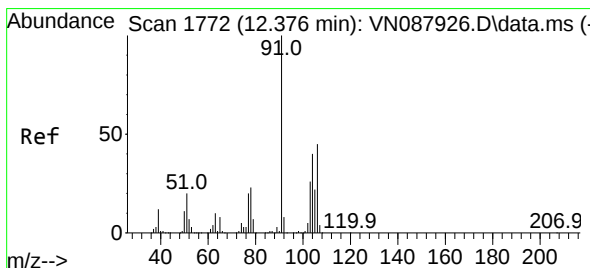
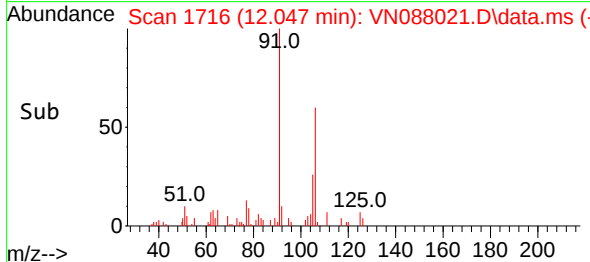
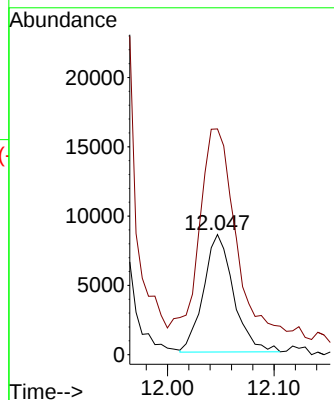
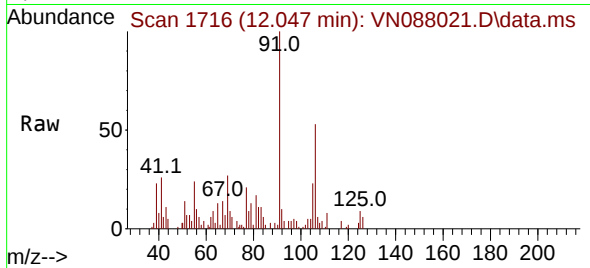




#68
m/p-Xylenes
Concen: 2.096 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

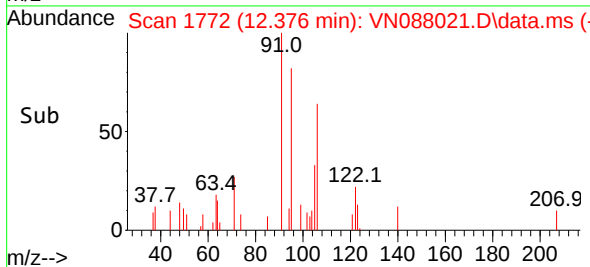
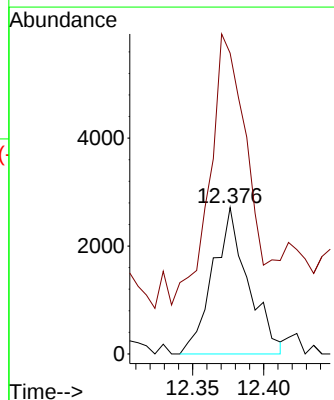
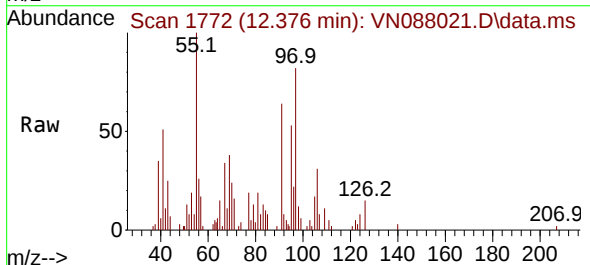
Instrument :
MSVOA_N
ClientSampleId :
MW4

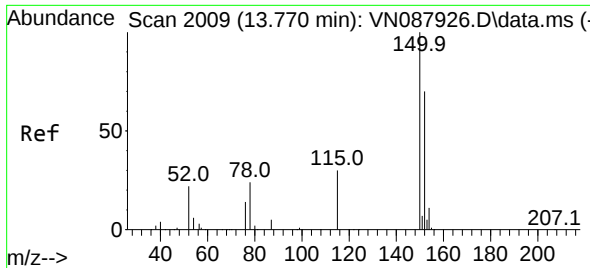
Tgt Ion:106 Resp: 16580
Ion Ratio Lower Upper
106 100
91 226.6 162.9 244.3



#69
o-Xylene
Concen: 0.616 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:106 Resp: 4681
Ion Ratio Lower Upper
106 100
91 202.5 108.2 324.6

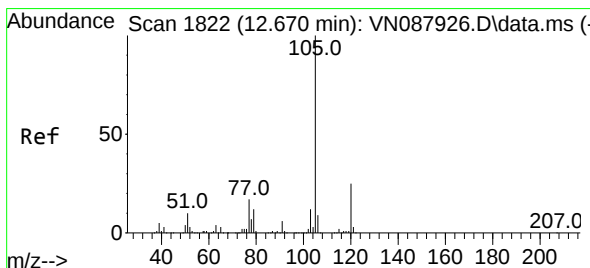
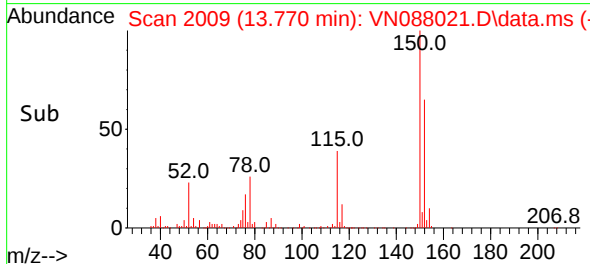
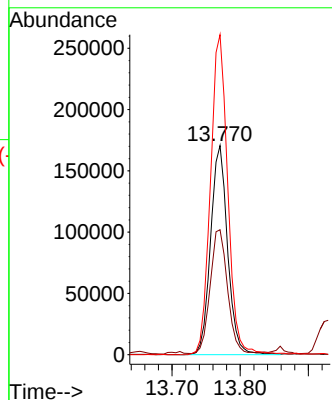
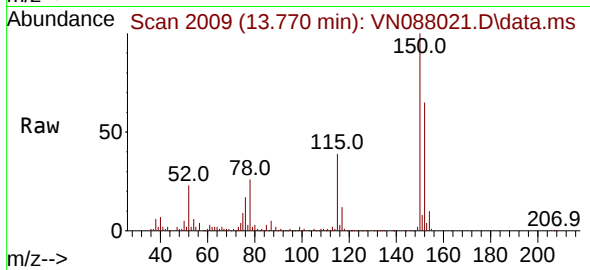




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. -0.000 min
 Lab File: VN088021.D
 Acq: 03 Oct 2025 14:17

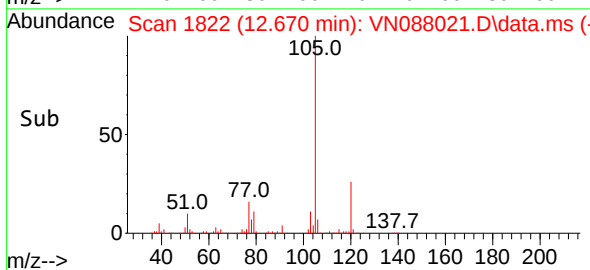
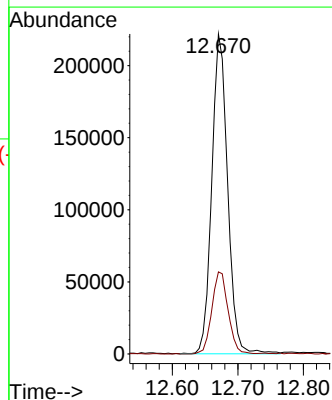
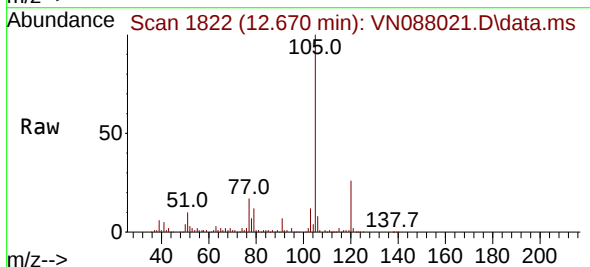
Instrument :
 MSVOA_N
 ClientSampleId :
 MW4

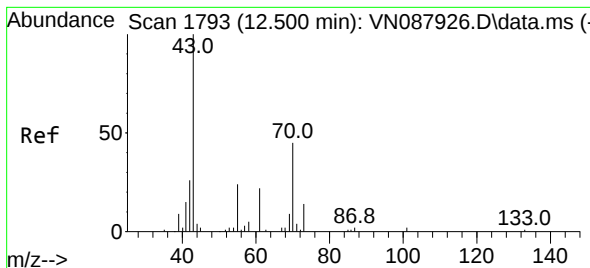
Tgt Ion:152 Resp: 296966
 Ion Ratio Lower Upper
 152 100
 115 60.1 29.9 89.7
 150 155.2 0.0 335.0



#73
 Isopropylbenzene
 Concen: 20.180 ug/l
 RT: 12.670 min Scan# 1822
 Delta R.T. -0.000 min
 Lab File: VN088021.D
 Acq: 03 Oct 2025 14:17

Tgt Ion:105 Resp: 371414
 Ion Ratio Lower Upper
 105 100
 120 26.4 13.1 39.1





#74

N-amy1 acetate

Concen: 0.588 ug/l

RT: 12.523 min Scan# 1

Delta R.T. 0.023 min

Lab File: VN088021.D

Acq: 03 Oct 2025 14:17

Instrument :

MSVOA_N

ClientSampleId :

MW4

Tgt Ion: 43 Resp: 3568

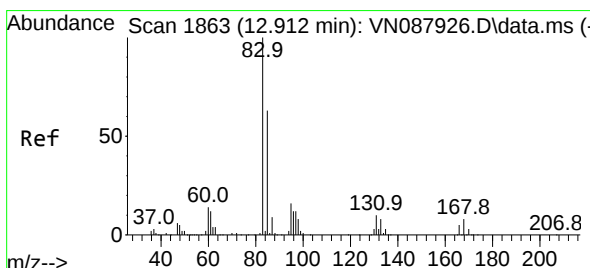
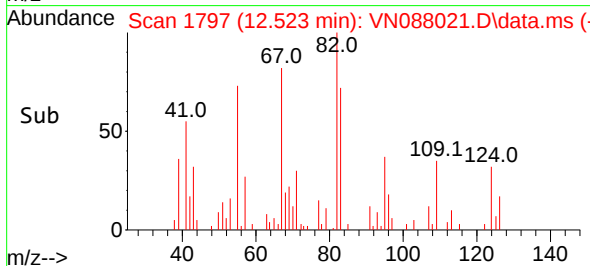
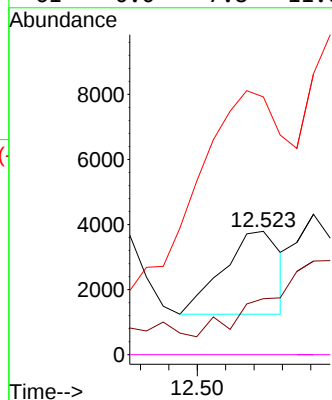
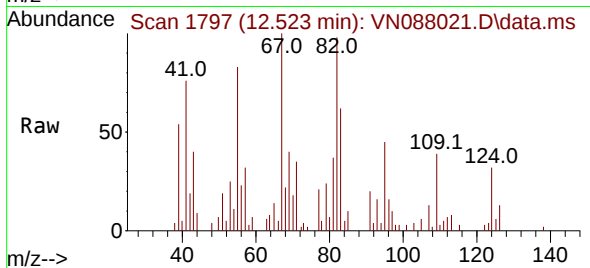
Ion Ratio Lower Upper

43 100

70 0.0 19.8 29.8#

55 306.7 9.6 14.4#

61 0.0 7.8 11.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.461 ug/l

RT: 12.900 min Scan# 1861

Delta R.T. -0.012 min

Lab File: VN088021.D

Acq: 03 Oct 2025 14:17

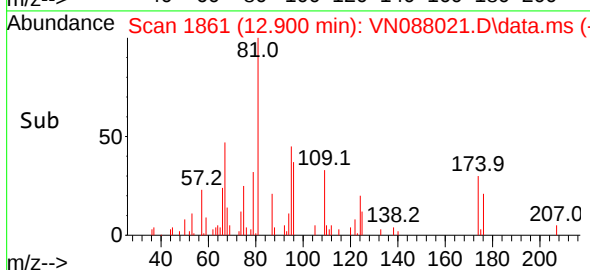
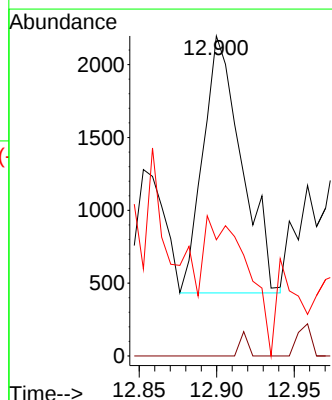
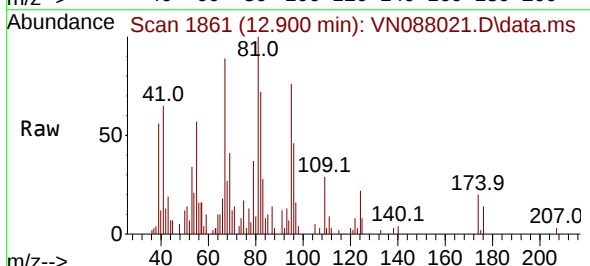
Tgt Ion: 83 Resp: 3054

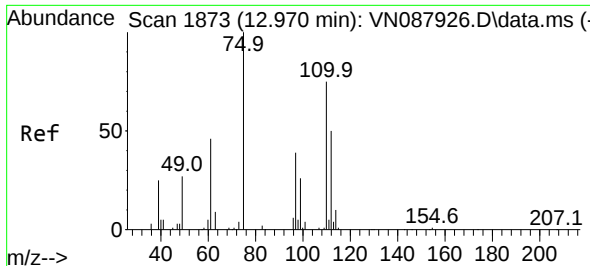
Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 59.4 32.4 97.0

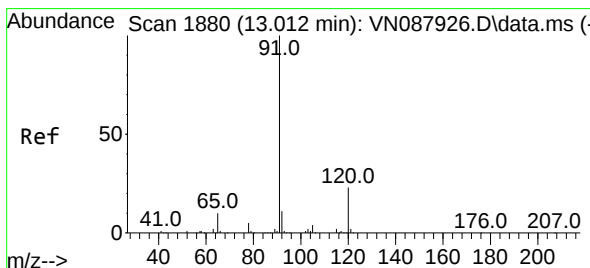
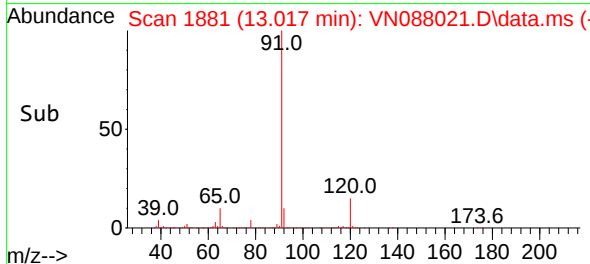
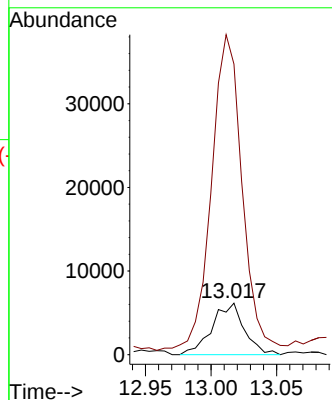
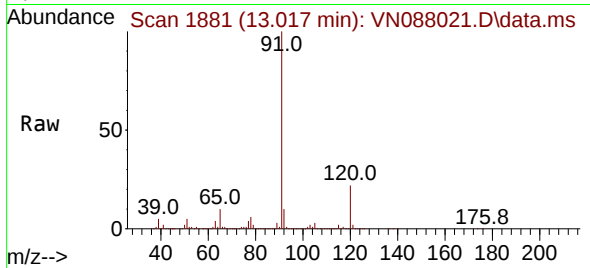




#76
1,2,3-Trichloropropane
Concen: 1.802 ug/l
RT: 13.017 min Scan# 1881
Delta R.T. 0.047 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

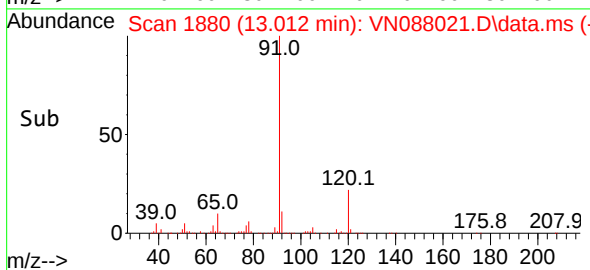
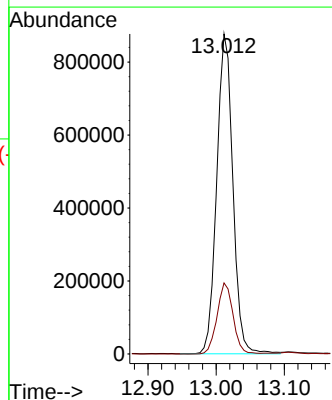
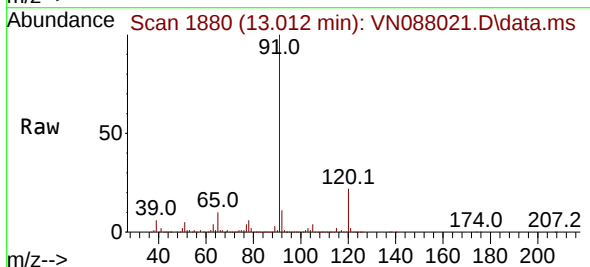
Instrument :
MSVOA_N
ClientSampleId :
MW4

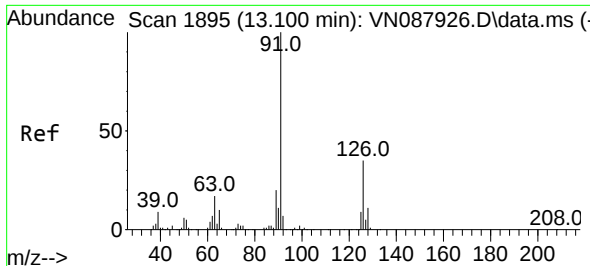
Tgt Ion: 75 Resp: 10548
Ion Ratio Lower Upper
75 100
77 581.4 89.5 268.5#



#78
n-propylbenzene
Concen: 62.731 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 91 Resp: 1443514
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.1

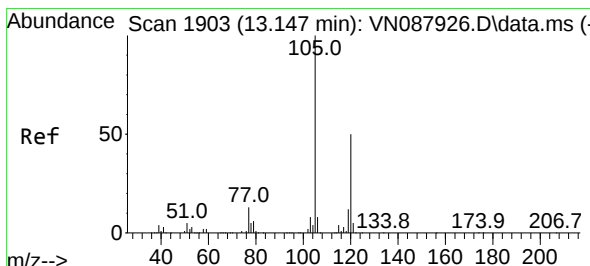
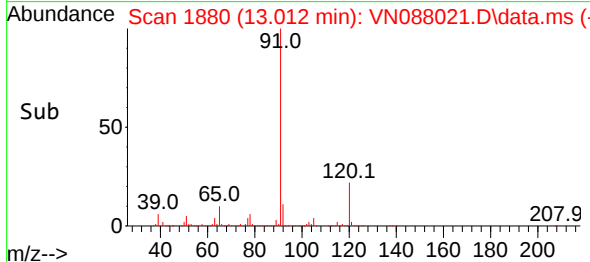
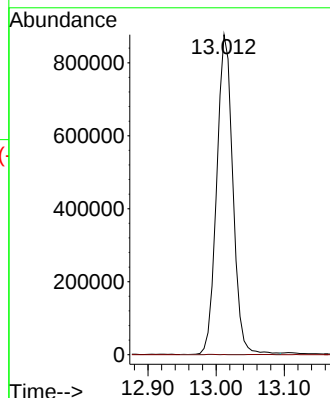
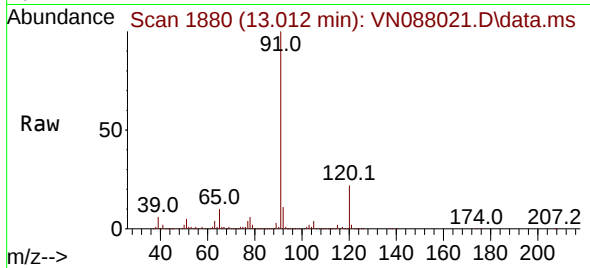




#79
2-Chlorotoluene
Concen: 103.025 ug/l
RT: 13.012 min Scan# 1895
Delta R.T. -0.088 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

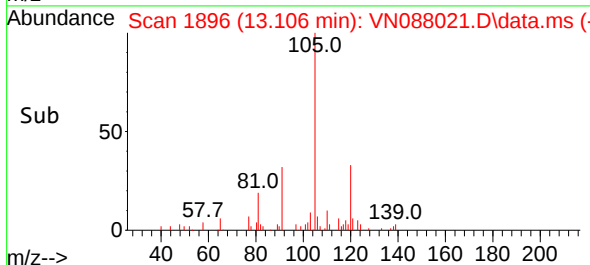
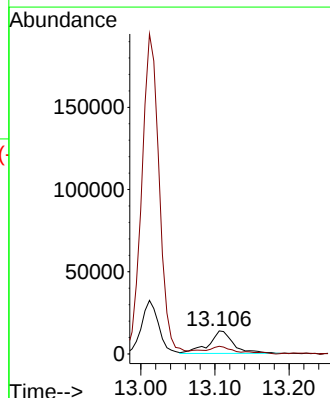
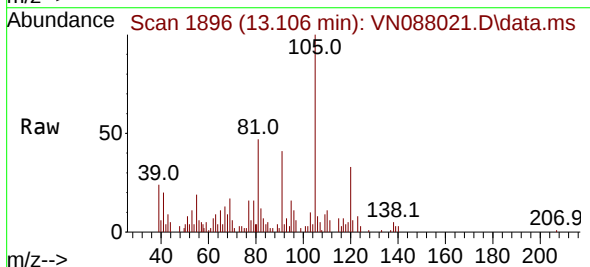
Instrument :
MSVOA_N
ClientSampleId :
MW4

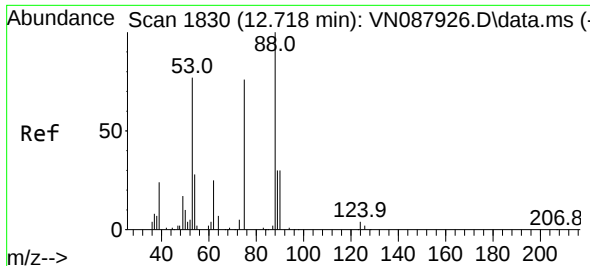
Tgt Ion: 91 Resp: 1443514
Ion Ratio Lower Upper
91 100
126 0.1 16.6 49.8#



#80
1,3,5-Trimethylbenzene
Concen: 2.005 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.041 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 105 Resp: 31925
Ion Ratio Lower Upper
105 100
120 33.6 24.7 74.1

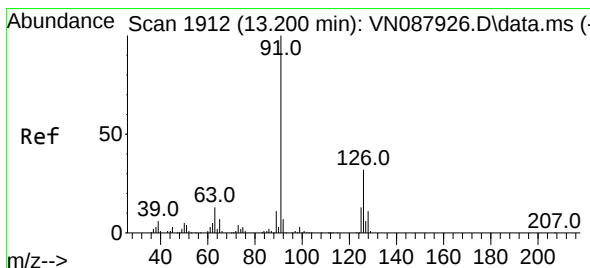
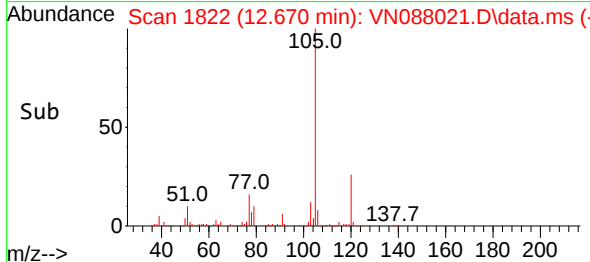
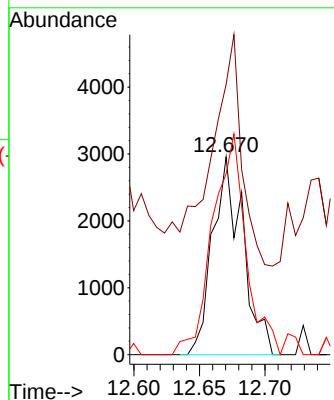
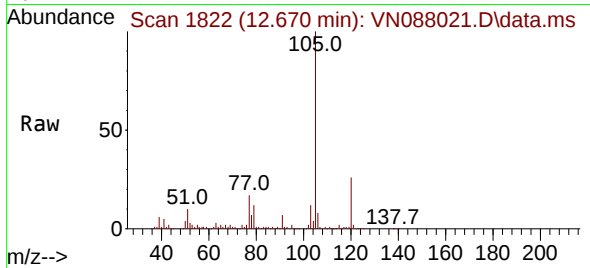




#81
trans-1,4-Dichloro-2-butene
Concen: 2.241 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. -0.047 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

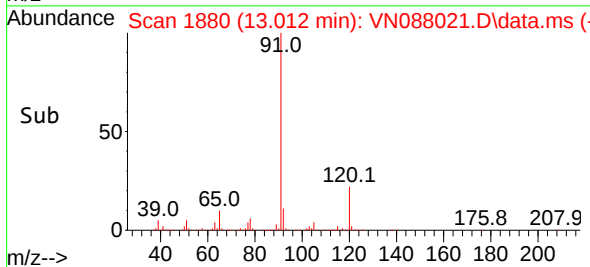
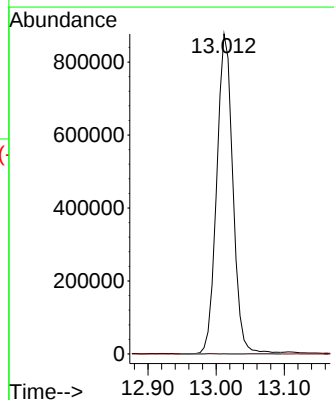
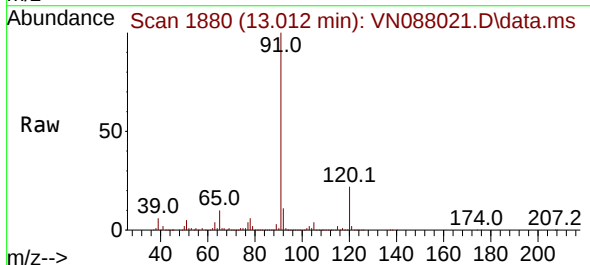
Instrument :
MSVOA_N
ClientSampleId :
MW4

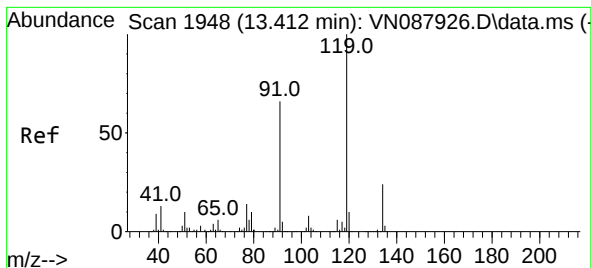
Tgt Ion: 75 Resp: 4725
Ion Ratio Lower Upper
75 100
53 114.3 82.0 123.0
89 123.7 36.1 54.1#



#82
4-Chlorotoluene
Concen: 102.245 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.188 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 91 Resp: 1443514
Ion Ratio Lower Upper
91 100
126 0.1 16.9 50.6#





#83

tert-Butylbenzene

Concen: 1.933 ug/l

RT: 13.411 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VN088021.D

Acq: 03 Oct 2025 14:17

Instrument :

MSVOA_N

ClientSampleId :

MW4

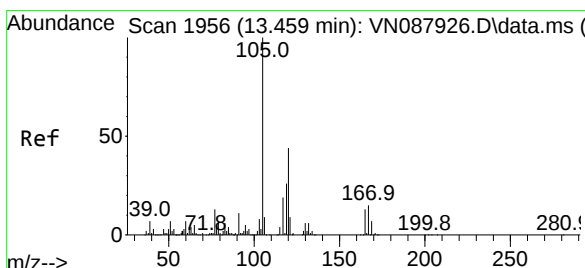
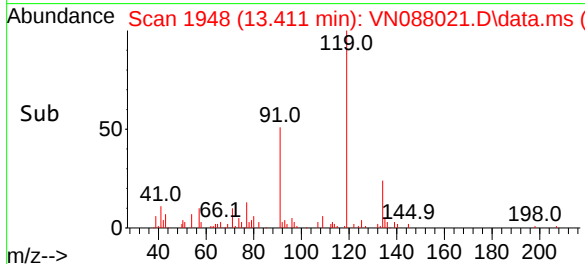
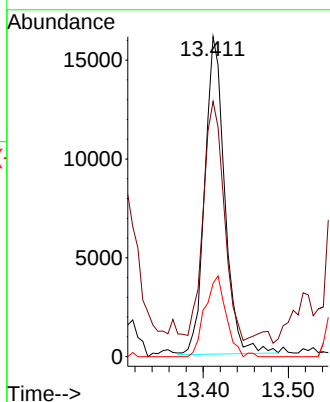
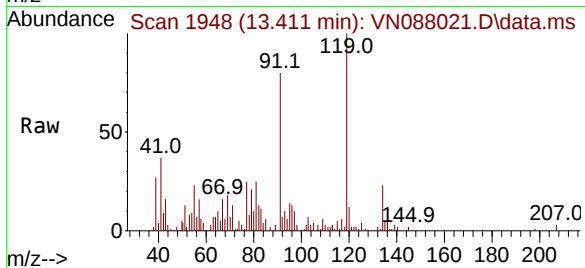
Tgt Ion:119 Resp: 26053

Ion Ratio Lower Upper

119 100

91 76.6 32.1 96.3

134 27.2 12.3 36.8



#84

1,2,4-Trimethylbenzene

Concen: 5.735 ug/l

RT: 13.312 min Scan# 1931

Delta R.T. -0.147 min

Lab File: VN088021.D

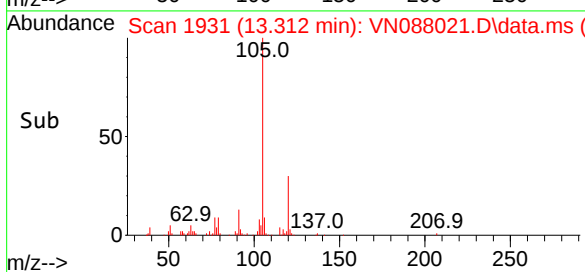
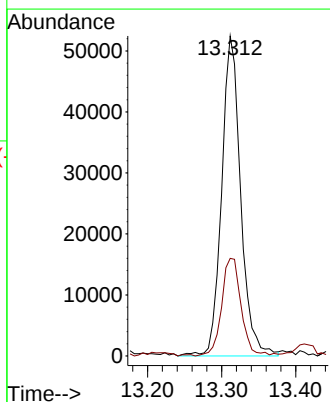
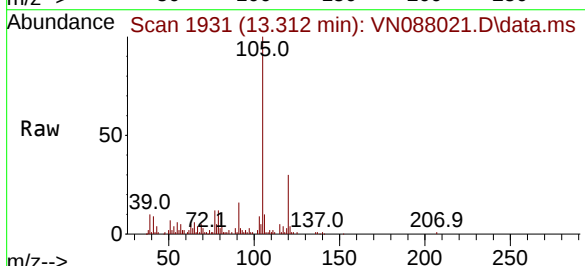
Acq: 03 Oct 2025 14:17

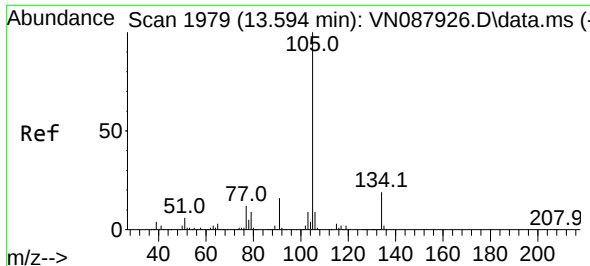
Tgt Ion:105 Resp: 93650

Ion Ratio Lower Upper

105 100

120 31.4 22.4 67.3

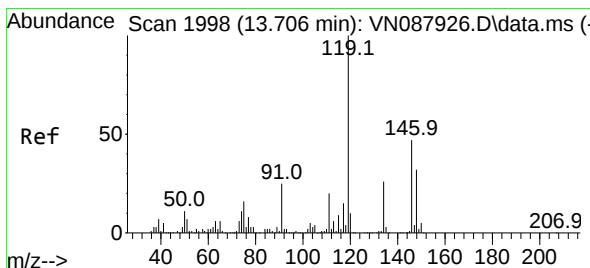
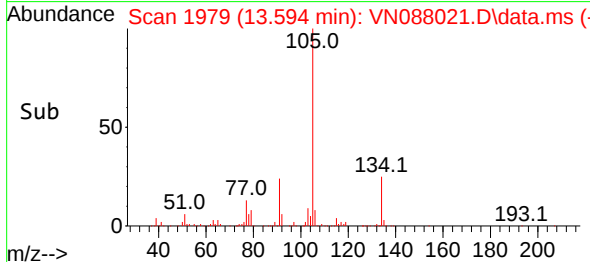
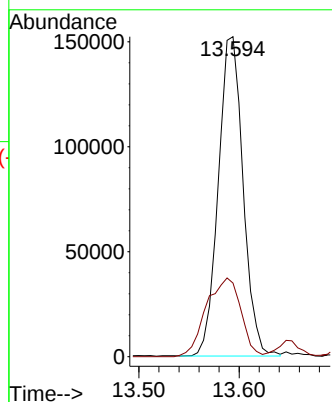
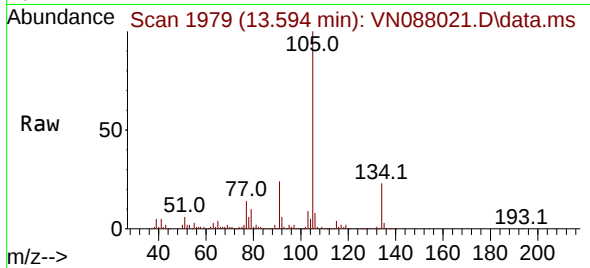




#85
 sec-Butylbenzene
 Concen: 13.215 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN088021.D
 Acq: 03 Oct 2025 14:17

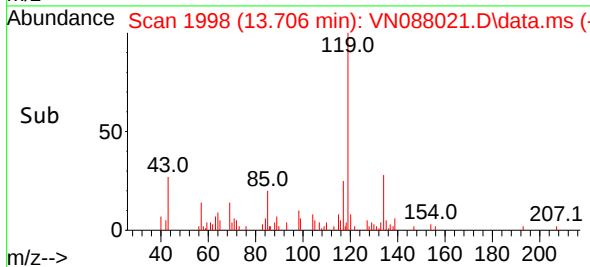
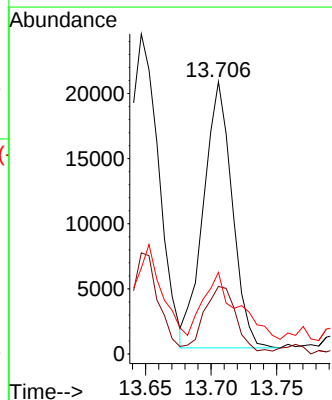
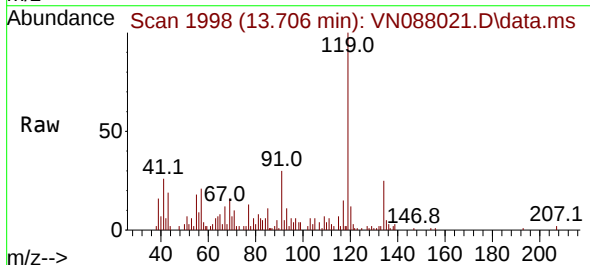
Instrument :
 MSVOA_N
 ClientSampleId :
 MW4

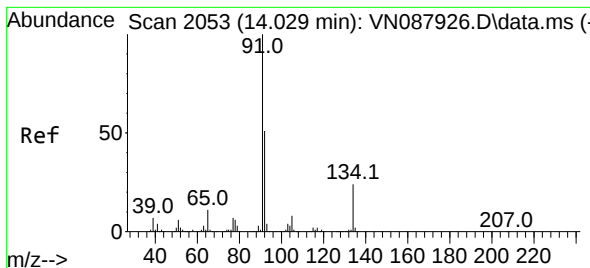
Tgt Ion:105 Resp: 261070
 Ion Ratio Lower Upper
 105 100
 134 34.5 9.6 28.8#



#86
 p-Isopropyltoluene
 Concen: 1.870 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088021.D
 Acq: 03 Oct 2025 14:17

Tgt Ion:119 Resp: 31294
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.1 39.3
 91 30.3 11.9 35.5





#89

n-Butylbenzene

Concen: 22.813 ug/l

RT: 14.029 min Scan# 2053

Delta R.T. -0.000 min

Lab File: VN088021.D

Acq: 03 Oct 2025 14:17

Instrument :

MSVOA_N

ClientSampleId :

MW4

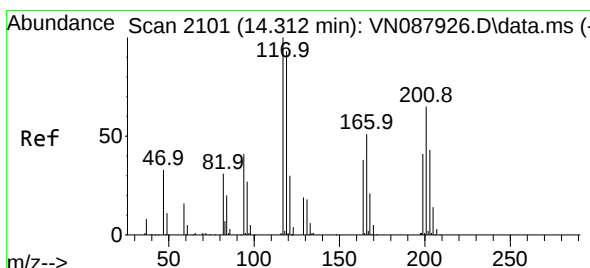
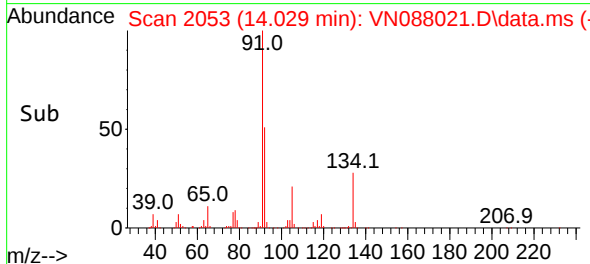
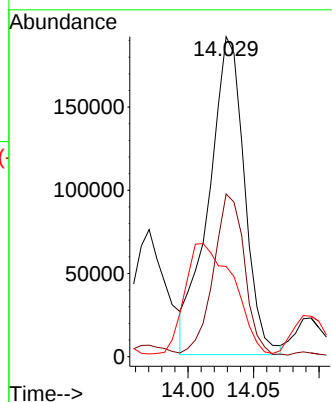
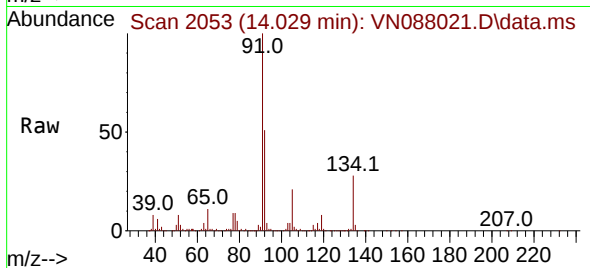
Tgt Ion: 91 Resp: 360744

Ion Ratio Lower Upper

91 100

92 45.0 25.9 77.8

134 49.2 12.6 37.8#



#90

Hexachloroethane

Concen: 53.161 ug/l

RT: 14.306 min Scan# 2100

Delta R.T. -0.006 min

Lab File: VN088021.D

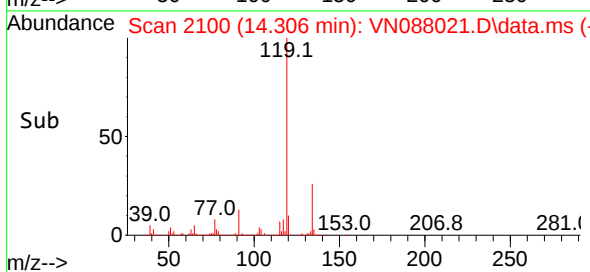
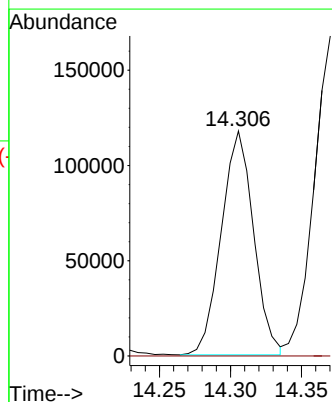
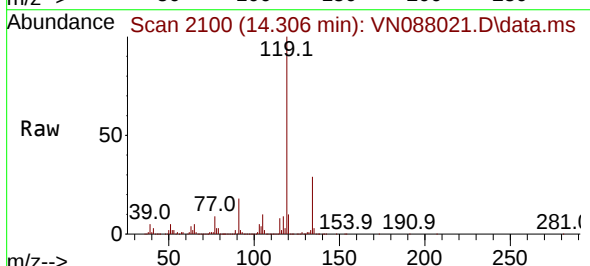
Acq: 03 Oct 2025 14:17

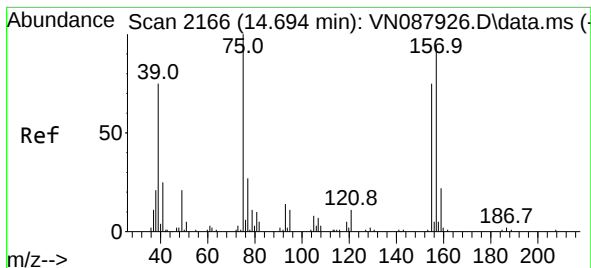
Tgt Ion: 117 Resp: 185809

Ion Ratio Lower Upper

117 100

201 0.0 33.6 100.6#

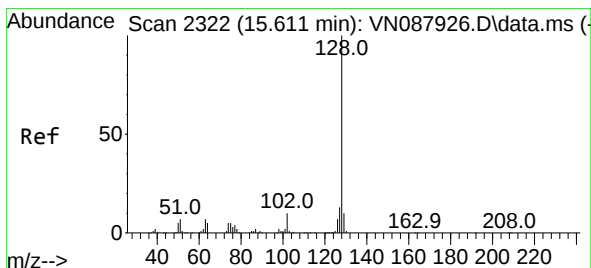
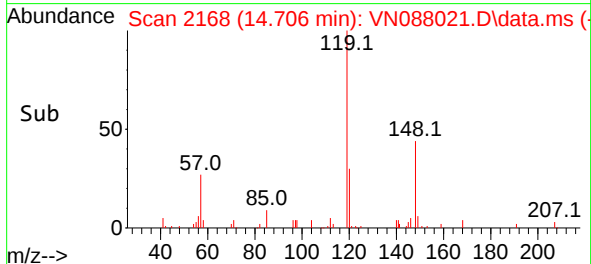
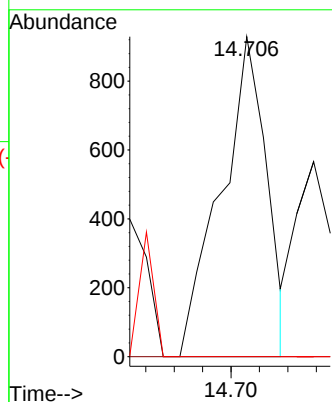
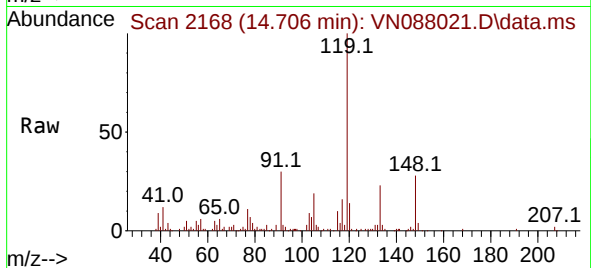




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.678 ug/l
RT: 14.706 min Scan# 2166
Delta R.T. 0.012 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion: 75 Resp: 1045
Ion Ratio Lower Upper
75 100
155 0.0 40.2 120.6#
157 0.0 50.9 152.7#



#95
Naphthalene
Concen: 1.029 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 128 Resp: 17968
Ion Ratio Lower Upper
128 100
127 9.1 10.2 15.4#
129 0.0 8.6 13.0#

