

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
 Data File : VN088062.D
 Acq On : 17 Oct 2025 12:34
 Operator : JC\MD
 Sample : Q3361-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VOA 251015111-01

Quant Time: Oct 18 01:28:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	56268	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	286128	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	252527	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	135331	30.887	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.967%	
60) 4-Bromofluorobenzene	12.823	95	123237	29.603	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 98.667%	
63) Toluene-d8	10.547	98	346407	30.789	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.633%	
Target Compounds						Qvalue
4) Vinyl Chloride	2.542	62	1762	0.462	ug/l #	82
8) Diethyl Ether	3.965	74	15228	6.505	ug/l	66
12) Methyl Acetate	5.006	43	13384	2.783	ug/l #	89
13) Acrolein	4.165	56	169	0.227	ug/l #	1
15) Acetone	4.418	58	1310592	1928.099	ug/l	93
16) Carbon Disulfide	4.695	76	3696	0.399	ug/l #	94
18) Methylene Chloride	5.259	84	3157	0.840	ug/l #	89
22) cis-1,2-Dichloroethene	7.477	96	3043	0.711	ug/l #	6
23) tert-Butyl Alcohol	5.518	59	6487271	6968.927	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	26182	2.050	ug/l #	86
30) 2-Butanone	7.465	43	7872769	2602.670	ug/l	96
31) 2,2-Dichloropropane	7.424	77	244958	46.354	ug/l #	53
34) Benzene	8.588	78	77179	5.673	ug/l #	83
35) Methacrylonitrile	7.771	41	190176	59.787	ug/l #	48
36) 1,2-Dichloroethane	8.594	62	1109	0.235	ug/l	97
39) 1,2-Dichloropropane	9.606	63	730	0.214	ug/l #	43
43) Ethyl Acetate	7.465	43	7872769	1353.948	ug/l	97
44) Isopropyl Acetate	8.647	43	16674	1.756	ug/l #	86
45) 1,4-Dioxane	9.682	88	6071	96.115	ug/l #	94
46) Methyl methacrylate	9.659	41	7678	1.836	ug/l	89
49) cis-1,3-Dichloropropene	10.341	75	2010	0.342	ug/l #	64
50) 1,1,2-Trichloroethane	10.900	97	1782	0.542	ug/l #	23
51) Ethyl methacrylate	10.859	69	3564	0.640	ug/l	78
56) Bromoform	12.823	173	1182	0.445	ug/l #	1
58) 4-Methyl-2-Pentanone	10.424	43	98093	17.366	ug/l #	83
59) 2-Hexanone	11.147	43	265754	71.261	ug/l #	34
62) Toluene	10.606	91	262585	18.332	ug/l	100
64) Chlorobenzene	11.871	112	20845	2.278	ug/l	98
66) Ethyl Benzene	11.941	91	213209	13.689	ug/l	95
67) m/p-Xylenes	12.047	106	78345	13.048	ug/l	96
68) o-Xylene	12.376	106	44956	7.521	ug/l	99
69) Styrene	12.388	104	10603	1.072	ug/l #	39
70) Isopropylbenzene	12.671	105	31140	2.126	ug/l	95
74) n-propylbenzene	13.018	91	11490	0.650	ug/l	93
75) 2-Chlorotoluene	13.106	91	2499	0.231	ug/l	64
76) 1,3,5-Trimethylbenzene	13.153	105	15530	1.248	ug/l	98
79) tert-butylbenzene	13.653	119	4168	0.386	ug/l	54
80) 1,2,4-Trimethylbenzene	13.459	105	57640	4.627	ug/l	100
82) p-Isopropyltoluene	13.706	119	149310	11.530	ug/l	97

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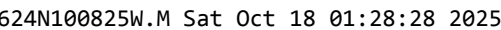
Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

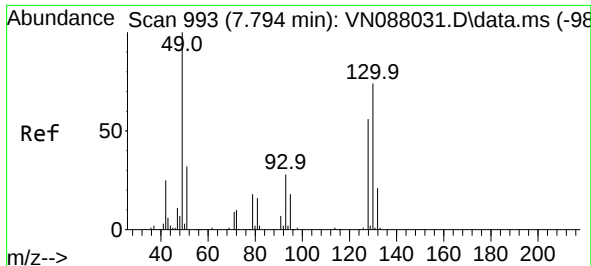
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) 1,3-Dichlorobenzene	13.788	146	25052	3.718	ug/l	97
84) 1,4-Dichlorobenzene	13.788	146	25052	3.606	ug/l	97
86) Hexachloroethane	14.300	117	826	0.318	ug/l #	15
87) 1,2-Dichlorobenzene	14.082	146	1960	0.296	ug/l	84
88) 1,2-Dibromo-3-Chloropr...	14.694	75	246	0.216	ug/l #	4
91) Naphthalene	15.612	128	461067	31.906	ug/l	99

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

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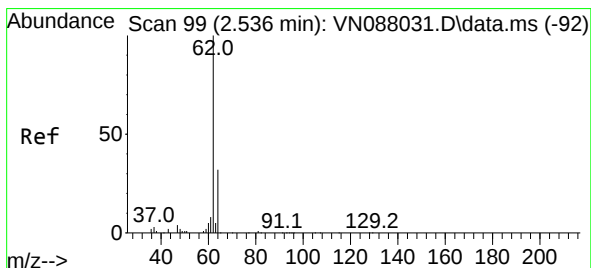
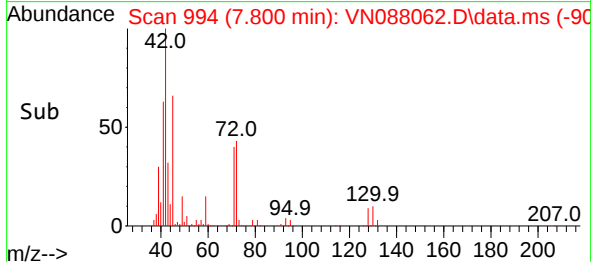
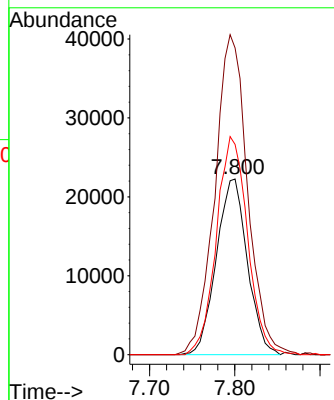
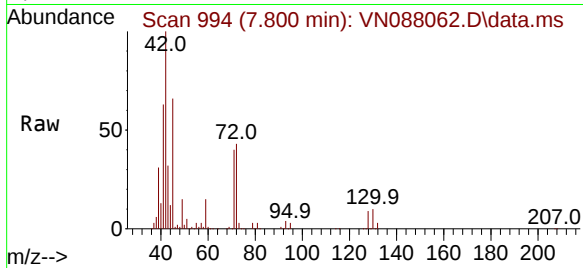




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

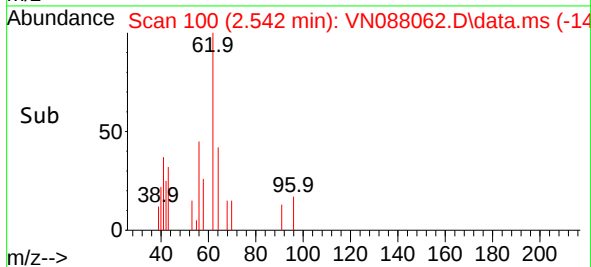
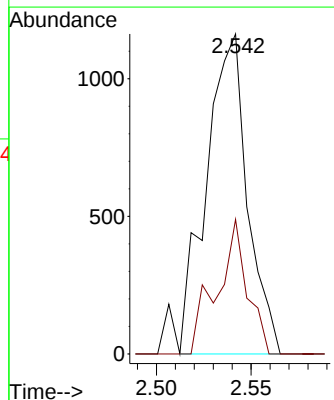
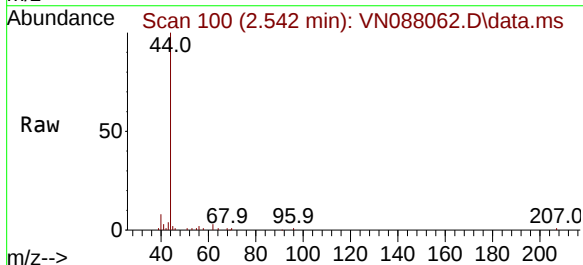
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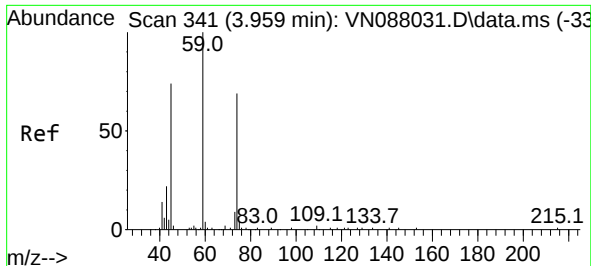
Tgt Ion:128 Resp: 56268
Ion Ratio Lower Upper
128 100
49 192.7 0.0 439.8
130 125.0 0.0 325.8



#4
Vinyl Chloride
Concen: 0.462 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 62 Resp: 1762
Ion Ratio Lower Upper
62 100
64 42.0 25.7 38.5#

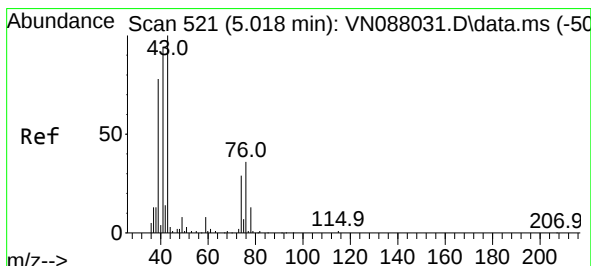
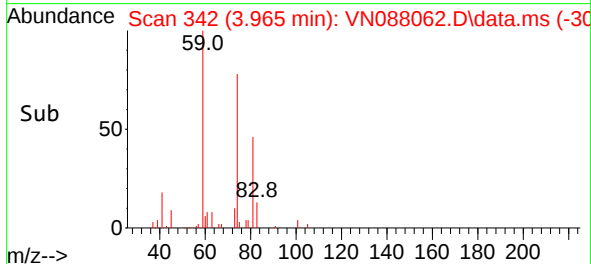
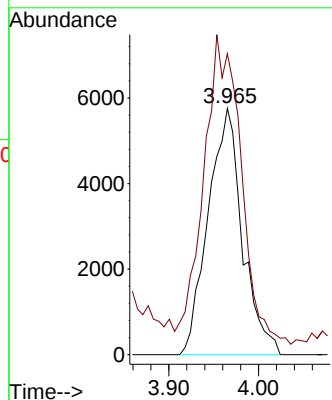
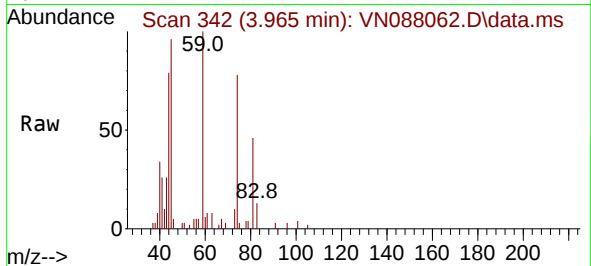




#8
Diethyl Ether
Concen: 6.505 ug/l
RT: 3.965 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

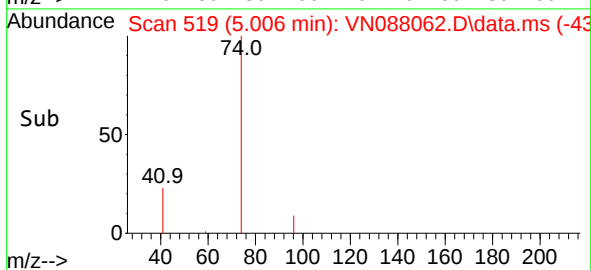
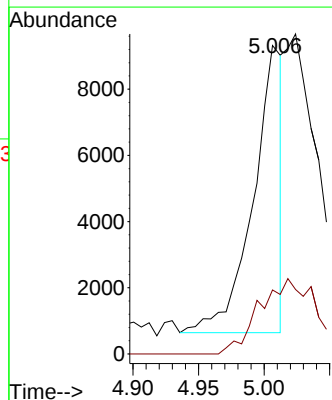
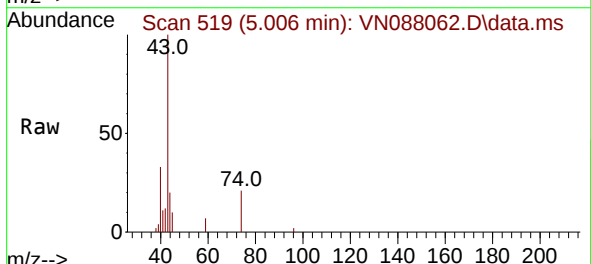
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VOA 251015111-01

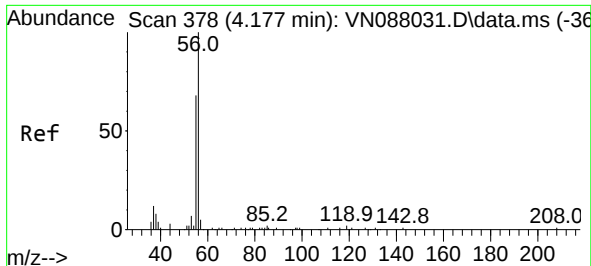
Tgt Ion: 74 Resp: 15228
Ion Ratio Lower Upper
74 100
45 67.5 20.4 183.8



#12
Methyl Acetate
Concen: 2.783 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.012 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 43 Resp: 13384
Ion Ratio Lower Upper
43 100
74 23.0 23.3 34.9#

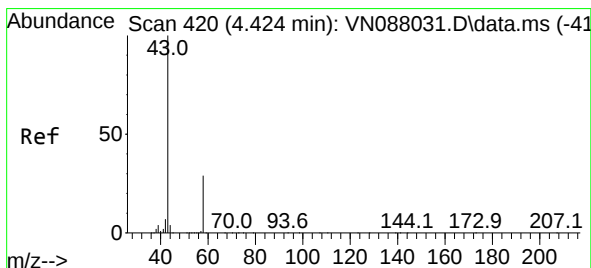
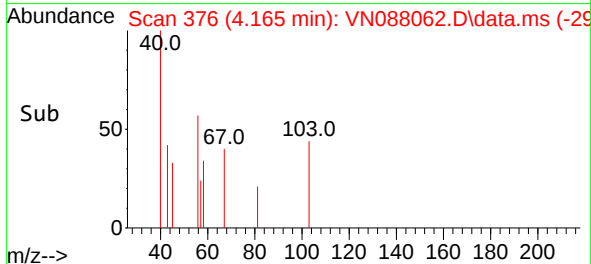
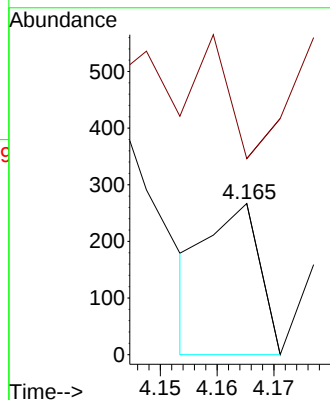
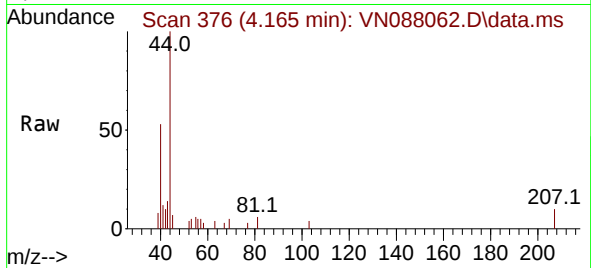




#13
Acrolein
Concen: 0.227 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

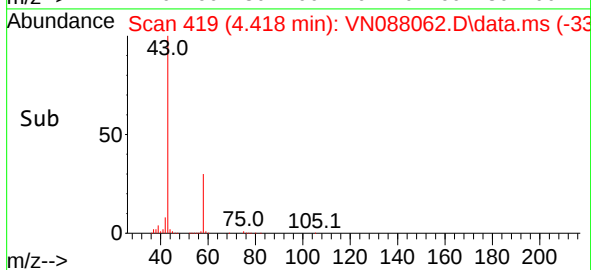
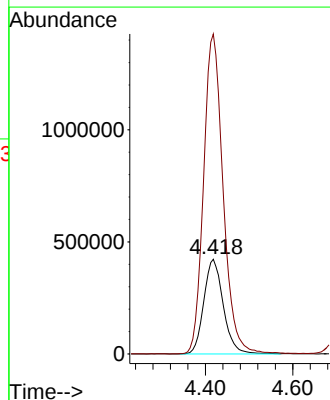
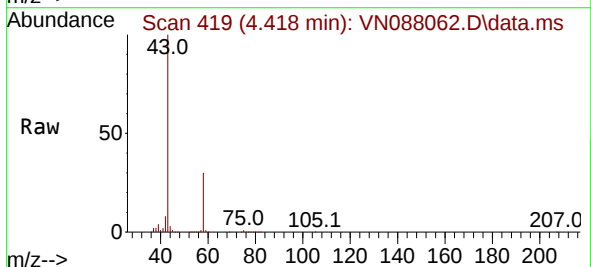
Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

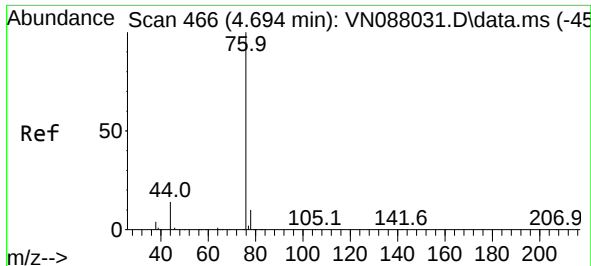
Tgt Ion: 56 Resp: 169
Ion Ratio Lower Upper
56 100
55 311.8 0.3 0.5#



#15
Acetone
Concen: 1928.099 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 58 Resp: 1310592
Ion Ratio Lower Upper
58 100
43 337.3 282.6 424.0

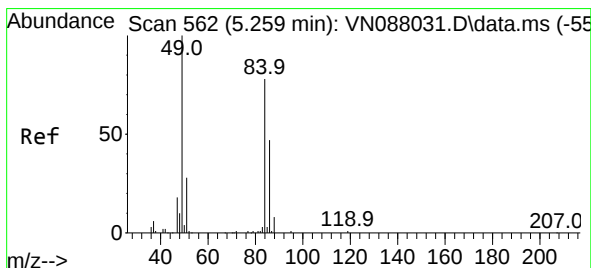
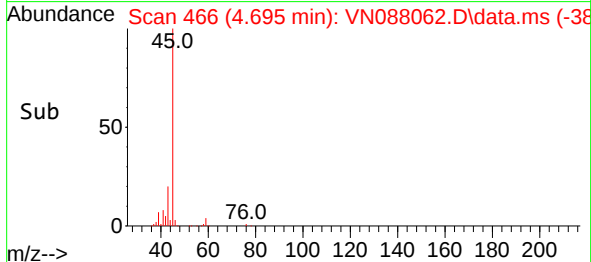
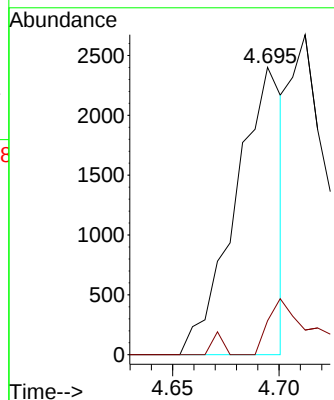
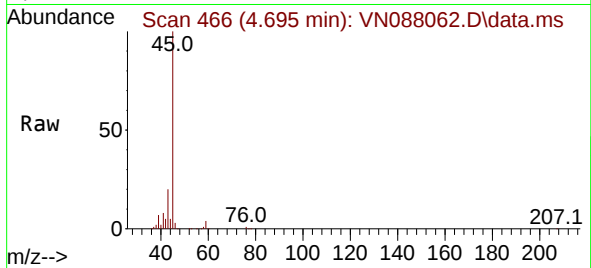




#16
Carbon Disulfide
Concen: 0.399 ug/l
RT: 4.695 min Scan# 466
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

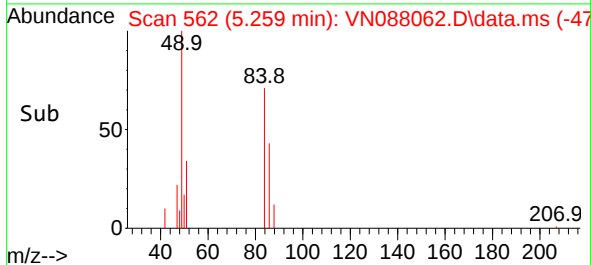
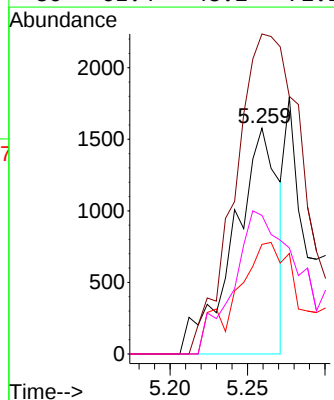
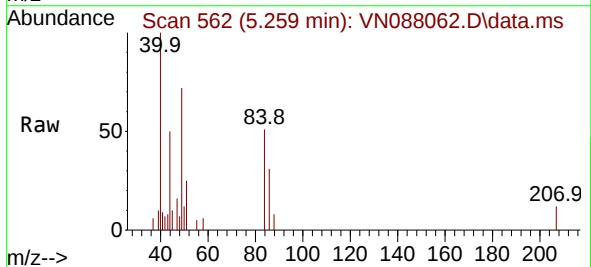
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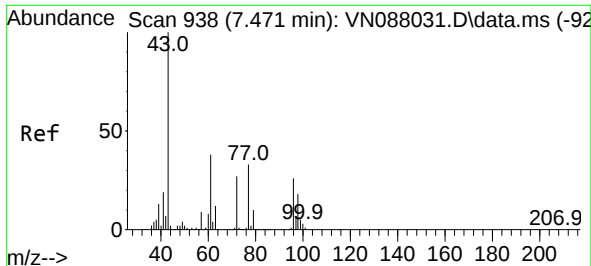
Tgt Ion: 76 Resp: 3696
Ion Ratio Lower Upper
76 100
78 11.8 7.8 11.8#



#18
Methylene Chloride
Concen: 0.840 ug/l
RT: 5.259 min Scan# 562
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 84 Resp: 3157
Ion Ratio Lower Upper
84 100
49 141.8 102.6 153.8
51 48.6 28.6 42.8#
86 61.4 48.2 72.2

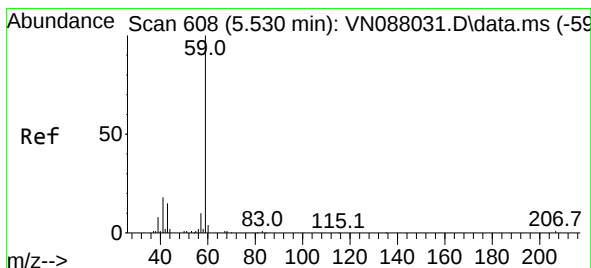
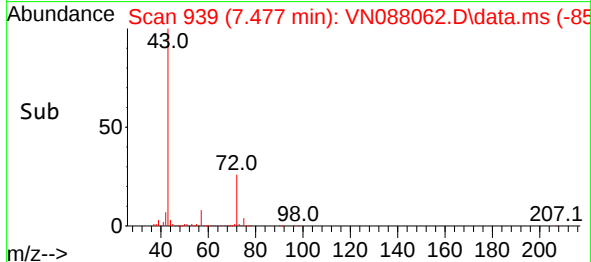
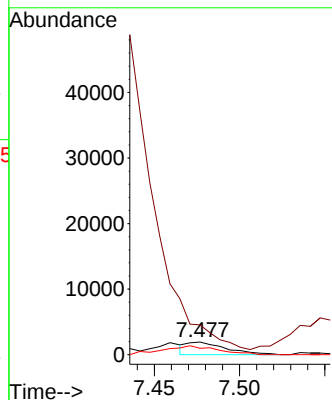
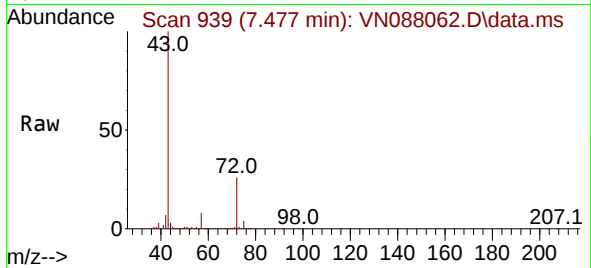




#22
 cis-1,2-Dichloroethene
 Concen: 0.711 ug/l
 RT: 7.477 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN088062.D
 Acq: 17 Oct 2025 12:34

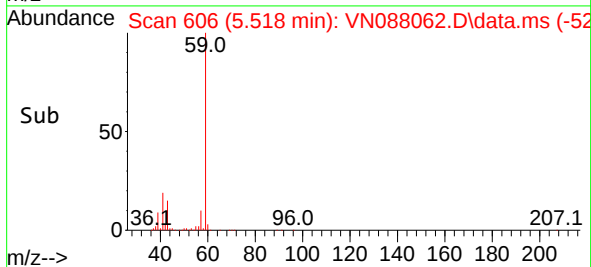
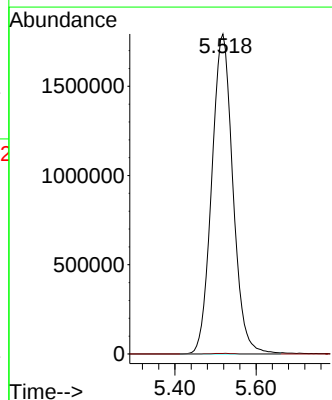
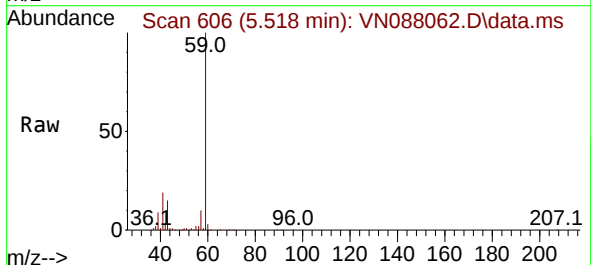
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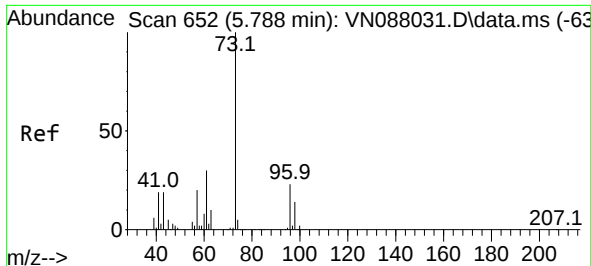
Tgt Ion: 96 Resp: 3043
 Ion Ratio Lower Upper
 96 100
 61 0.0 117.0 175.6#
 98 98.6 52.6 79.0#



#23
 tert-Butyl Alcohol
 Concen: 6968.927 ug/l
 RT: 5.518 min Scan# 606
 Delta R.T. -0.012 min
 Lab File: VN088062.D
 Acq: 17 Oct 2025 12:34

Tgt Ion: 59 Resp: 6487271
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#

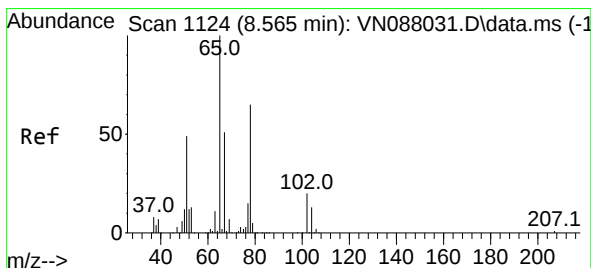
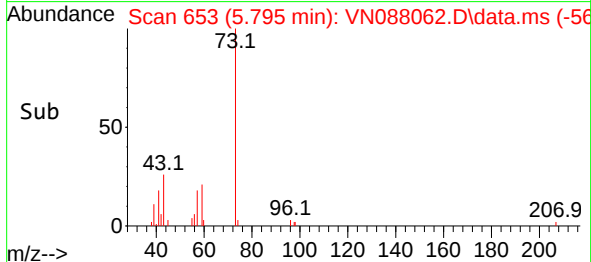
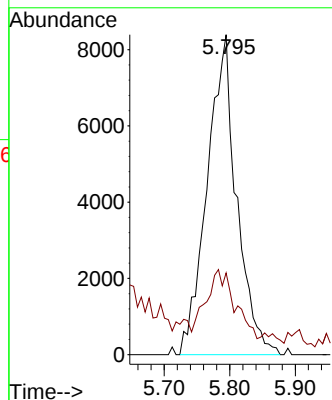
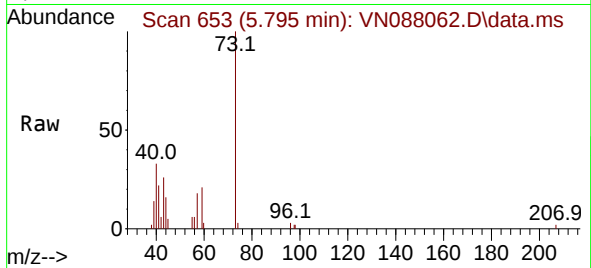




#24
Methyl tert-Butyl Ether
Concen: 2.050 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

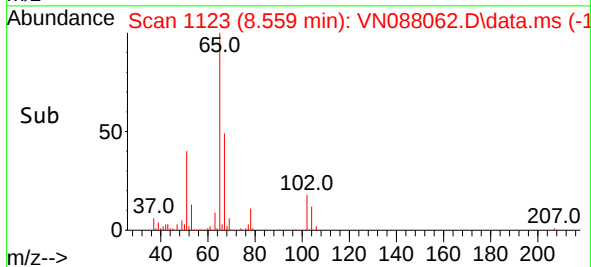
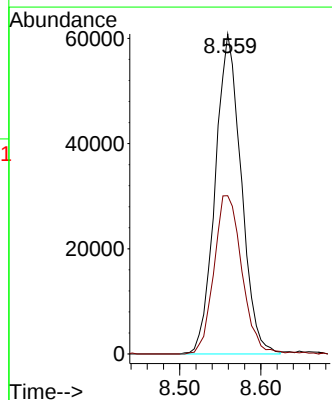
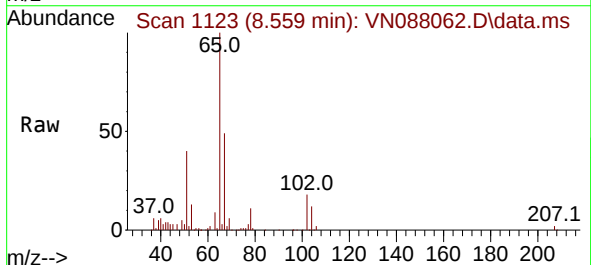
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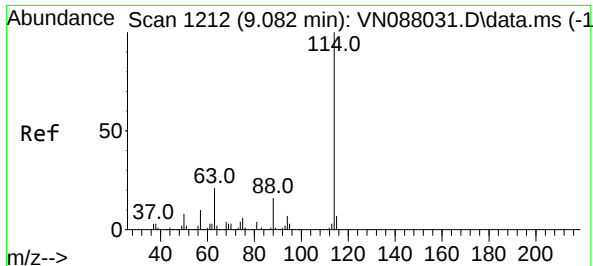
Tgt Ion: 73 Resp: 26182
Ion Ratio Lower Upper
73 100
43 14.7 17.0 25.4#



#27
1,2-Dichloroethane-d4
Concen: 30.887 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 65 Resp: 135331
Ion Ratio Lower Upper
65 100
67 53.1 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088062.D

Acq: 17 Oct 2025 12:34

Instrument :

MSVOA_N

ClientSampleId :

VOA 251015111-01

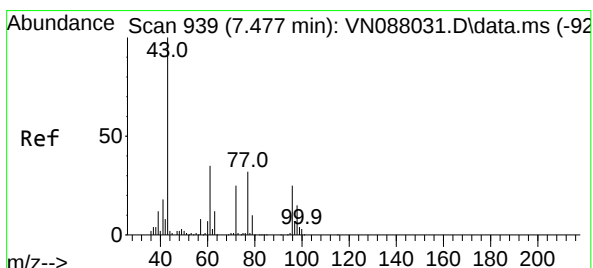
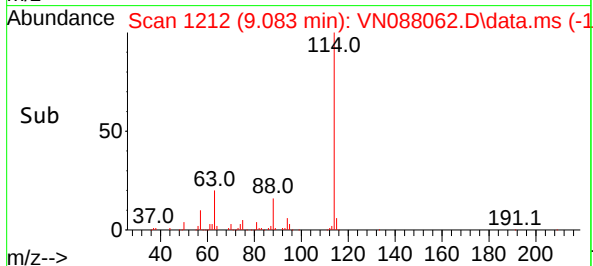
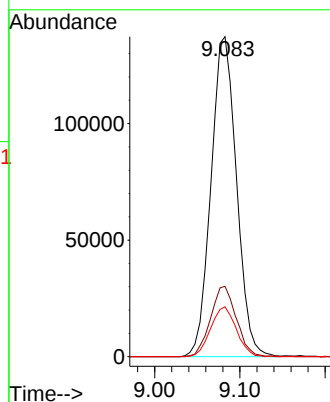
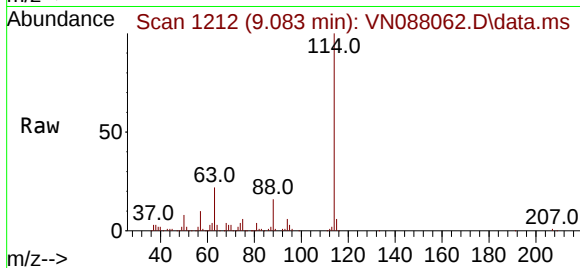
Tgt Ion:114 Resp: 286128

Ion Ratio Lower Upper

114 100

63 22.2 16.6 25.0

88 15.6 12.6 18.8



#30

2-Butanone

Concen: 2602.670 ug/l

RT: 7.465 min Scan# 937

Delta R.T. -0.012 min

Lab File: VN088062.D

Acq: 17 Oct 2025 12:34

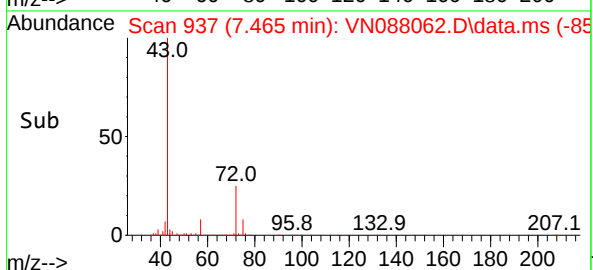
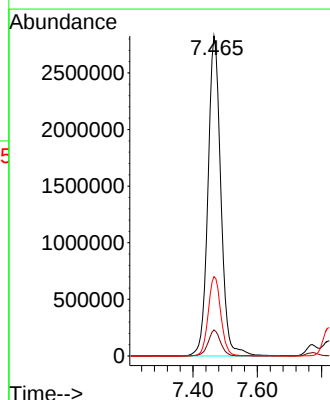
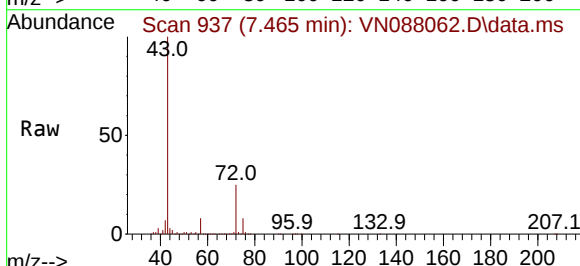
Tgt Ion: 43 Resp: 7872769

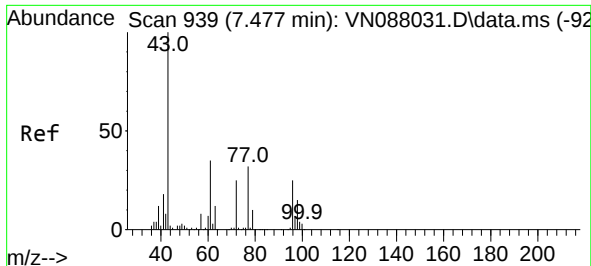
Ion Ratio Lower Upper

43 100

57 7.9 6.5 9.7

72 24.3 21.4 32.2

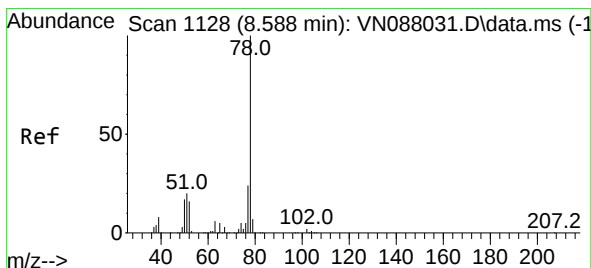
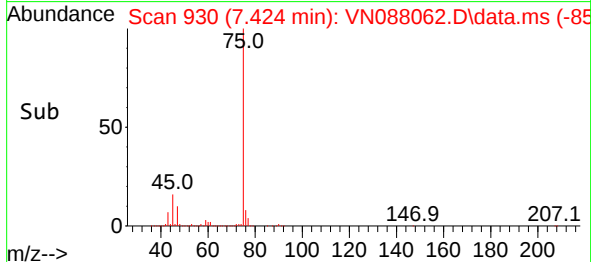
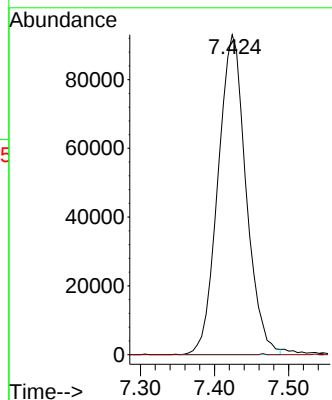
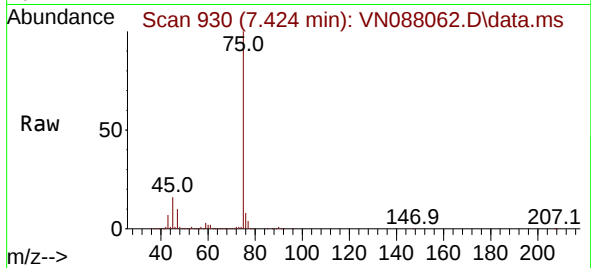




#31
2,2-Dichloropropane
Concen: 46.354 ug/l
RT: 7.424 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

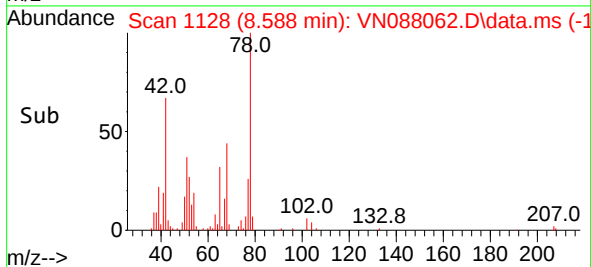
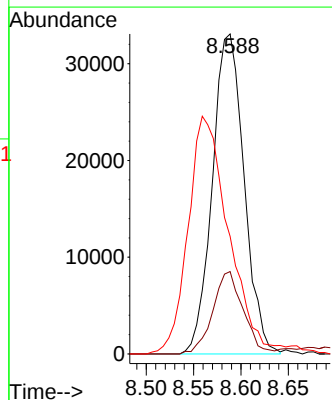
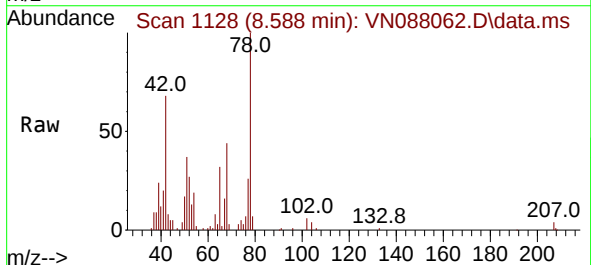
Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

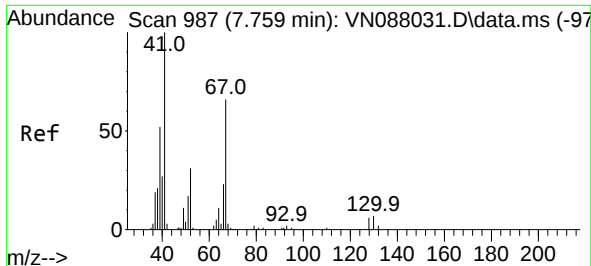
Tgt Ion: 77 Resp: 244958
Ion Ratio Lower Upper
77 100
97 0.0 17.8 26.8#



#34
Benzene
Concen: 5.673 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 78 Resp: 77179
Ion Ratio Lower Upper
78 100
77 25.7 18.9 28.3
51 34.1 15.6 23.4#



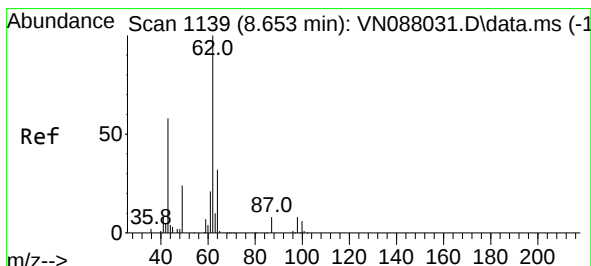
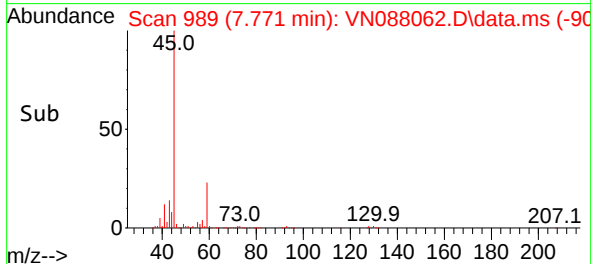
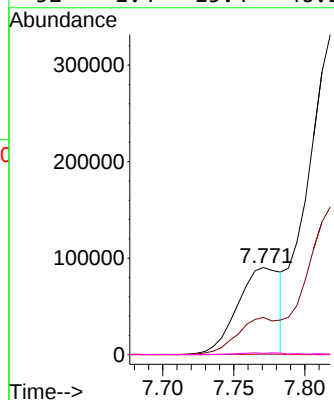
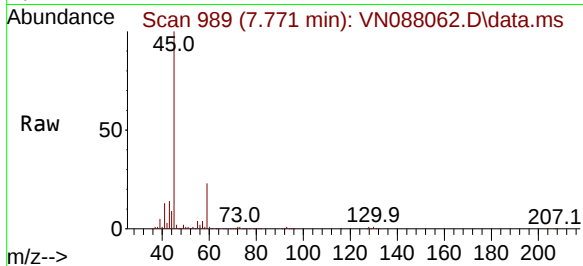


#35
Methacrylonitrile
Concen: 59.787 ug/l
RT: 7.771 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

Tgt Ion: 41 Resp: 190176

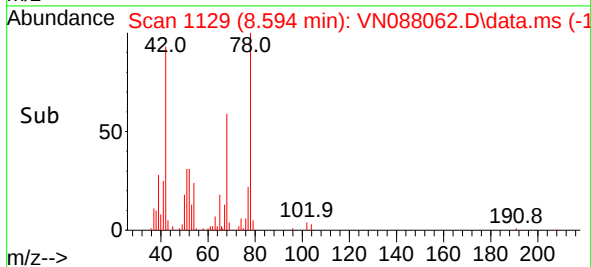
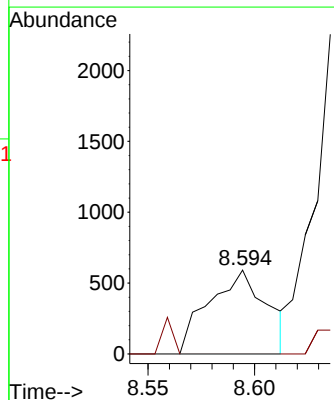
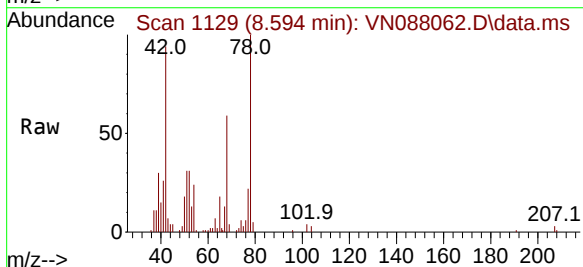
Ion	Ratio	Lower	Upper
41	100		
39	42.4	26.1	78.3
67	0.7	33.1	99.2#
52	1.4	15.4	46.1#

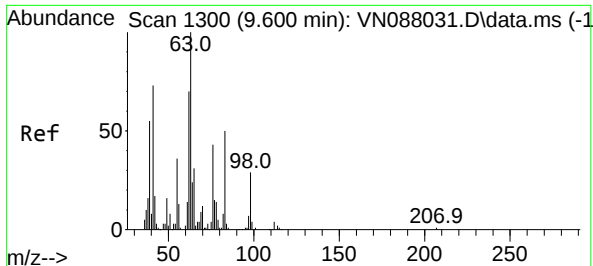


#36
1,2-Dichloroethane
Concen: 0.235 ug/l
RT: 8.594 min Scan# 1129
Delta R.T. -0.059 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 62 Resp: 1109

Ion	Ratio	Lower	Upper
62	100		
98	10.7	7.8	11.6

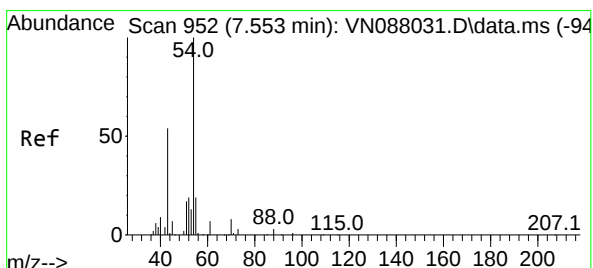
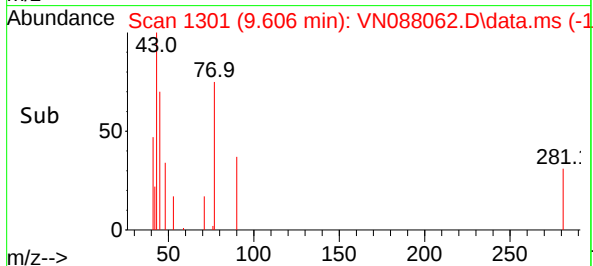
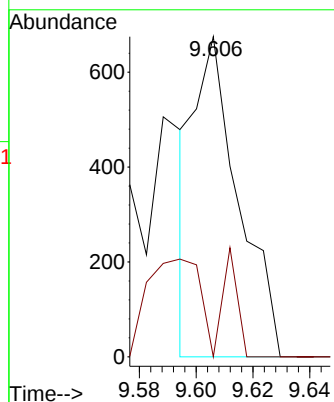
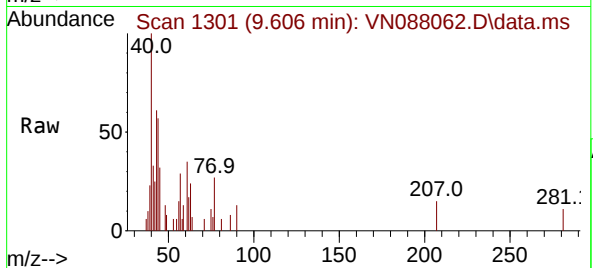




#39
1,2-Dichloropropane
Concen: 0.214 ug/l
RT: 9.606 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

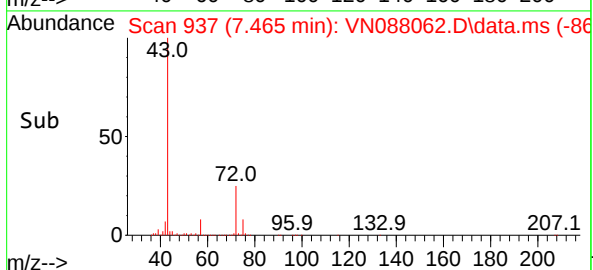
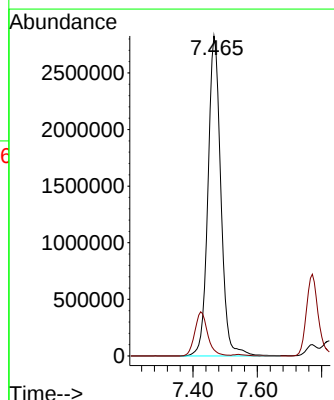
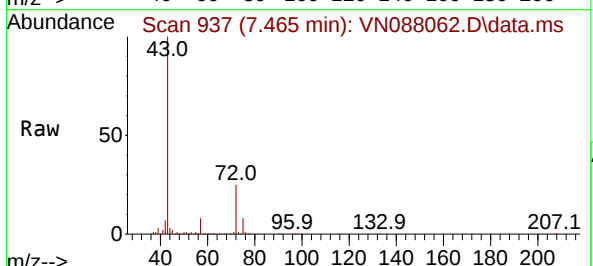
Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

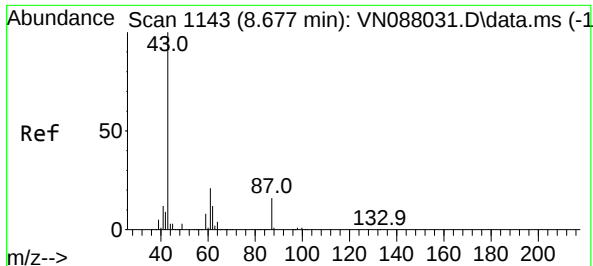
Tgt Ion: 63 Resp: 730
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.6#



#43
Ethyl Acetate
Concen: 1353.948 ug/l
RT: 7.465 min Scan# 937
Delta R.T. -0.088 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 43 Resp: 7872769
Ion Ratio Lower Upper
43 100
45 13.9 10.2 15.4

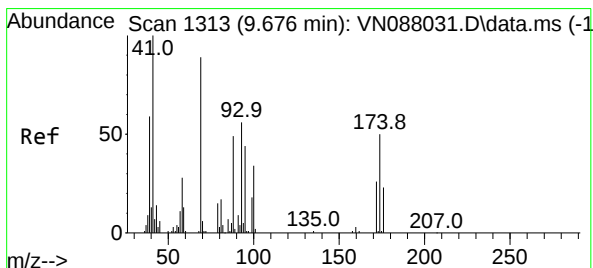
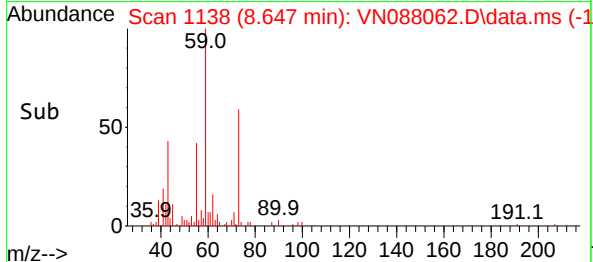
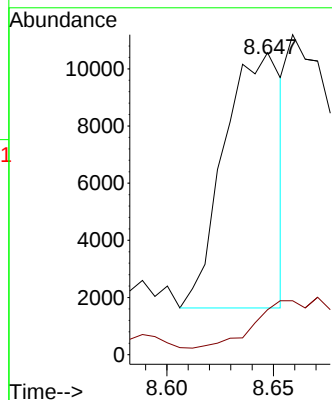
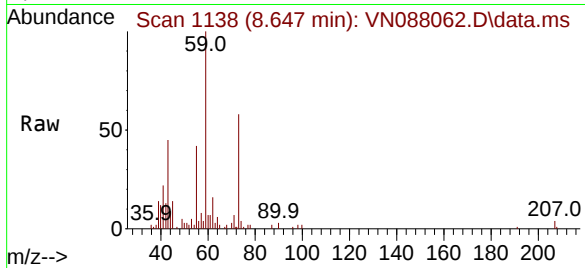




#44
Isopropyl Acetate
Concen: 1.756 ug/l
RT: 8.647 min Scan# 1143
Delta R.T. -0.029 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

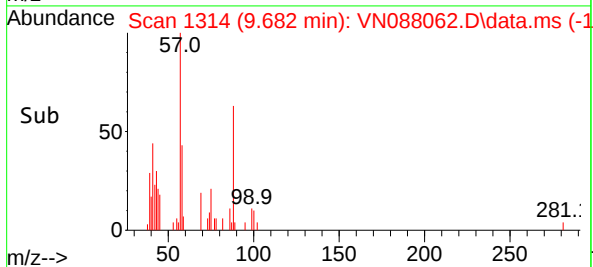
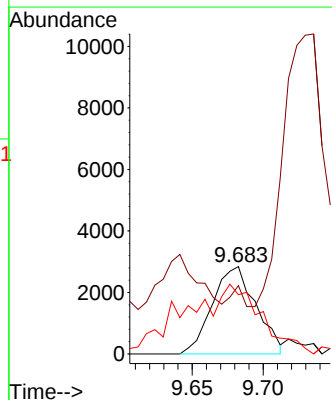
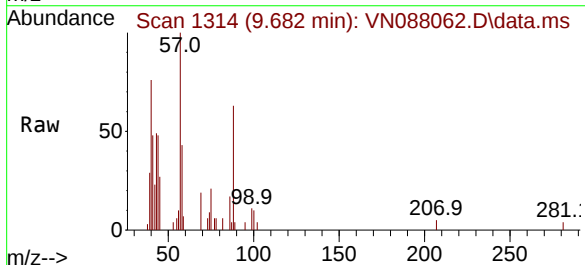
Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

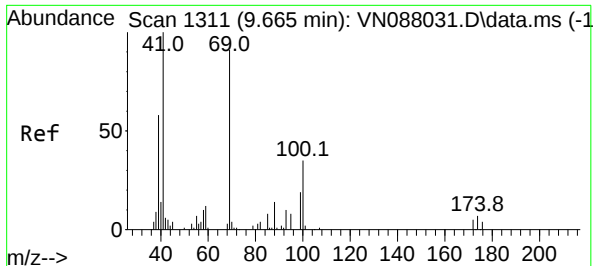
Tgt Ion: 43 Resp: 16674
Ion Ratio Lower Upper
43 100
61 16.7 18.7 28.1#



#45
1,4-Dioxane
Concen: 96.115 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 88 Resp: 6071
Ion Ratio Lower Upper
88 100
43 17.8 18.6 27.8#
58 68.7 57.4 86.2

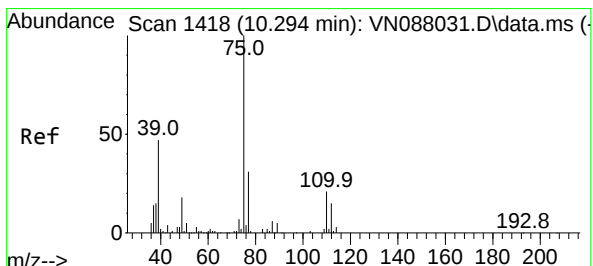
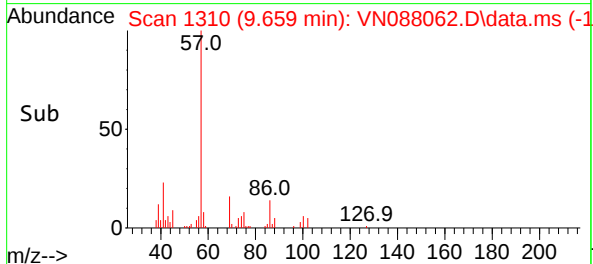
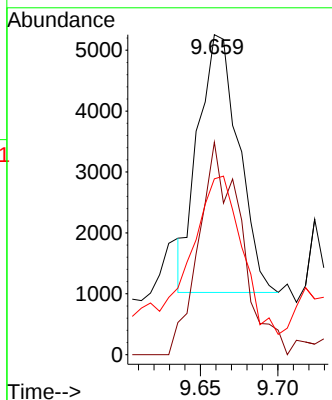
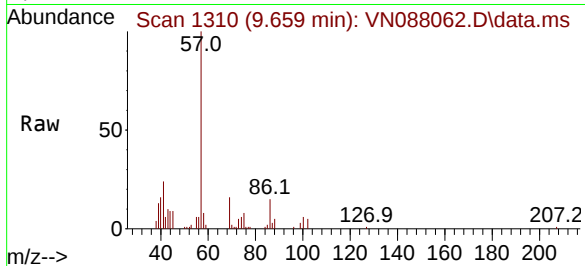




#46
Methyl methacrylate
Concen: 1.836 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

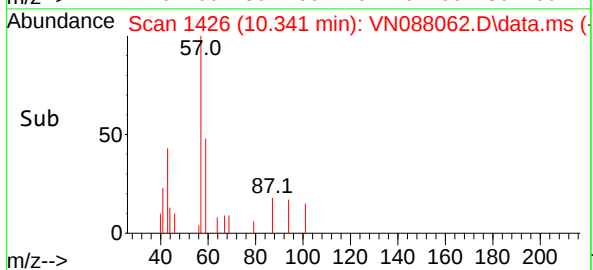
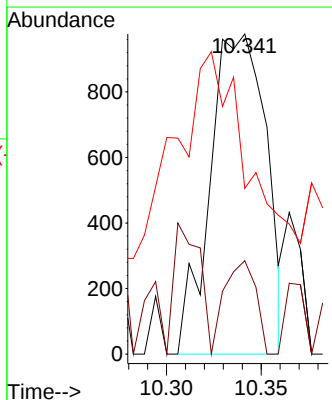
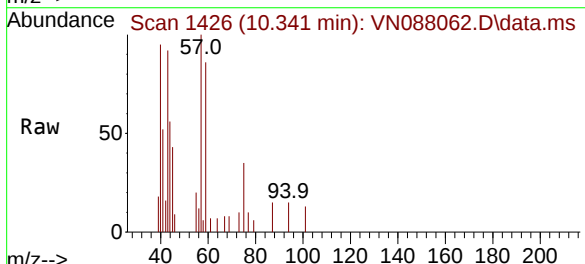
Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

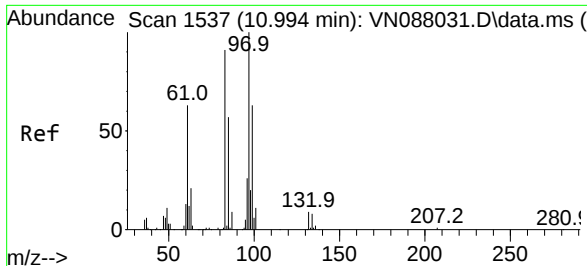
Tgt Ion:	41	Resp:	7678
Ion	Ratio	Lower	Upper
41	100		
69	73.0	44.9	134.7
39	60.3	30.3	90.8



#49
cis-1,3-Dichloropropene
Concen: 0.342 ug/l
RT: 10.341 min Scan# 1426
Delta R.T. 0.047 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:	75	Resp:	2010
Ion	Ratio	Lower	Upper
75	100		
77	29.2	25.0	37.4
39	8.4	37.4	56.0#

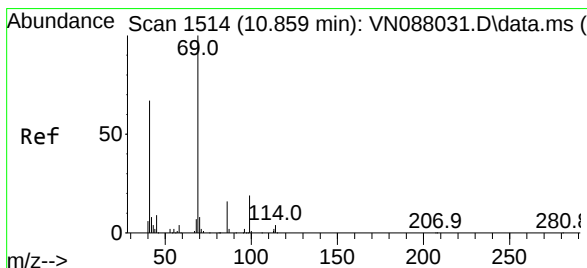
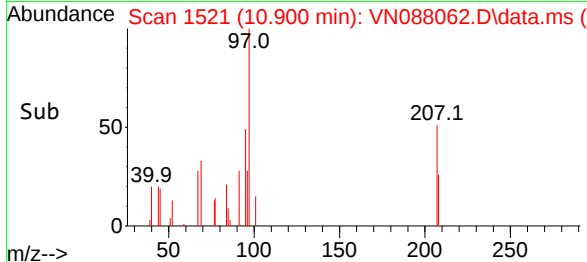
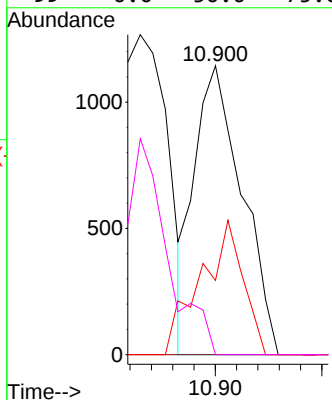
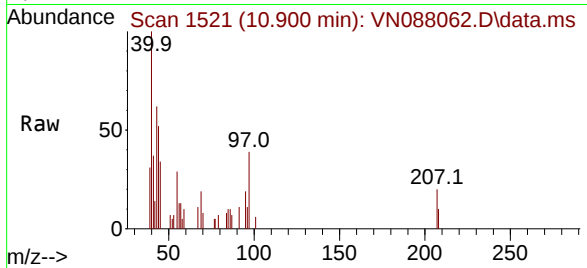




#50
1,1,2-Trichloroethane
Concen: 0.542 ug/l
RT: 10.900 min Scan# 1537
Delta R.T. -0.094 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

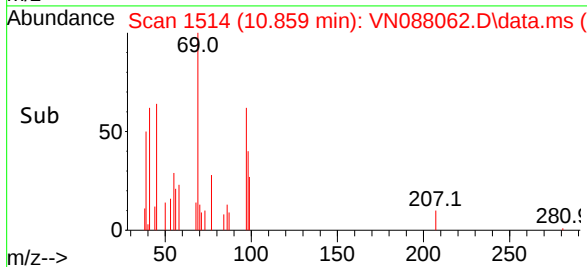
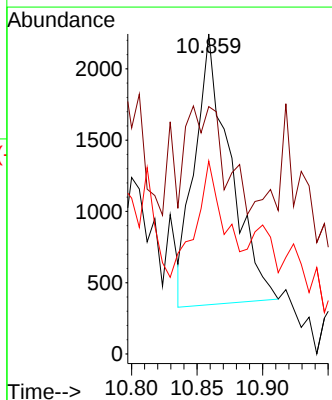
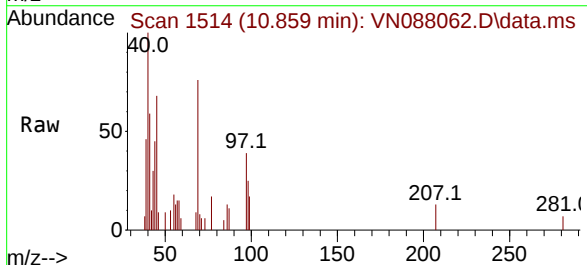
Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

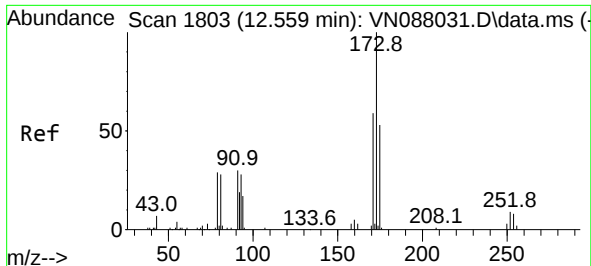
Tgt Ion: 97	Resp: 1782
Ion Ratio	Lower Upper
97 100	
83 0.0	72.5 108.7#
85 25.7	45.5 68.3#
99 0.0	50.0 75.0#



#51
Ethyl methacrylate
Concen: 0.640 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 69	Resp: 3564
Ion Ratio	Lower Upper
69 100	
41 39.2	33.3 99.8
39 42.1	20.3 61.0

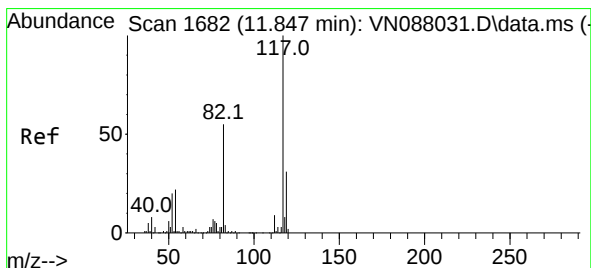
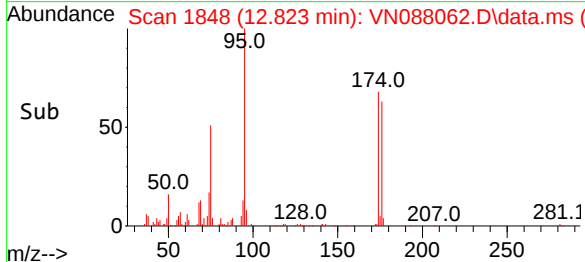
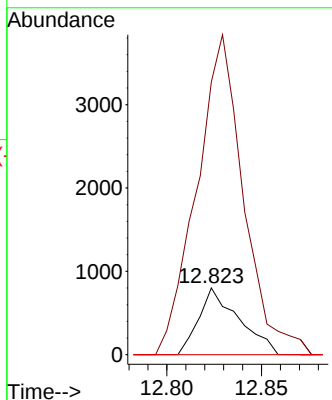
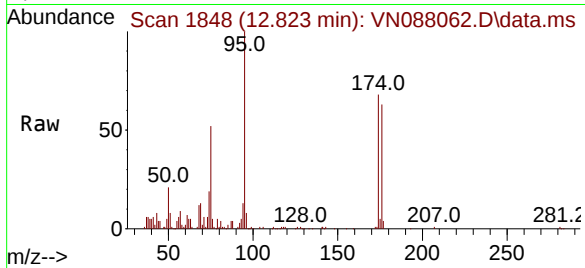




#56
Bromoform
Concen: 0.445 ug/l
RT: 12.823 min Scan# 1182
Delta R.T. 0.265 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

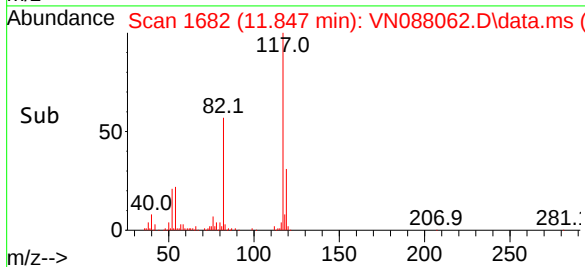
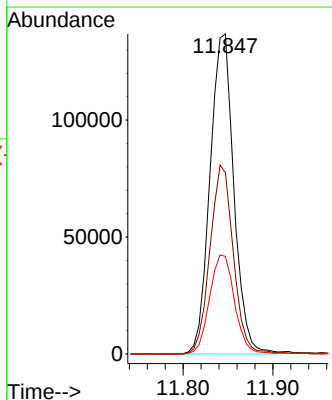
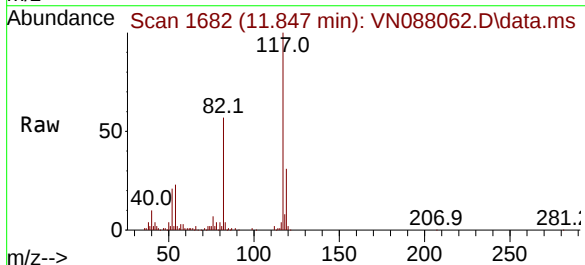
Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

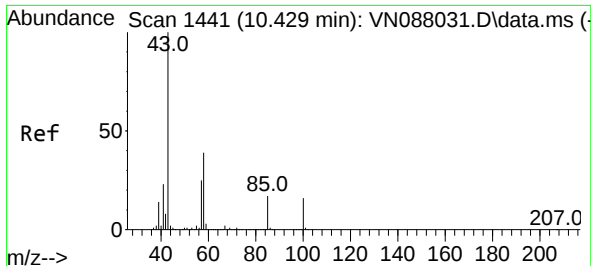
Tgt Ion:173 Resp: 1182
Ion Ratio Lower Upper
173 100
175 559.5 39.6 59.4#
254 0.0 6.6 10.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:117 Resp: 252527
Ion Ratio Lower Upper
117 100
82 57.9 45.2 67.8
119 32.3 25.9 38.9

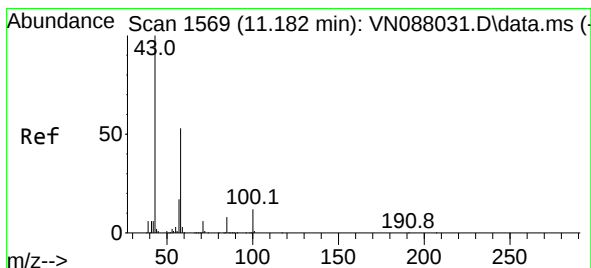
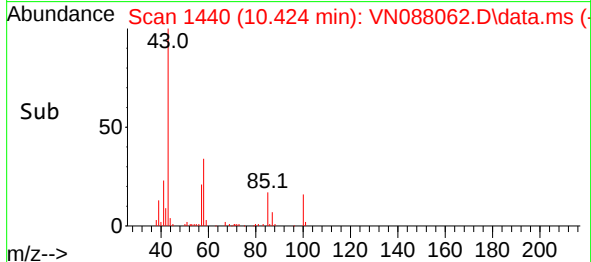
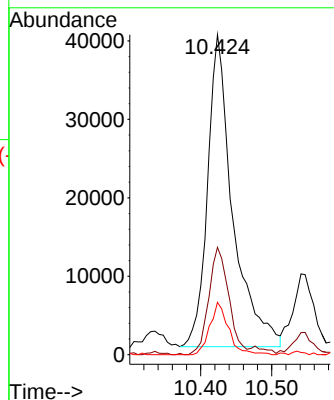
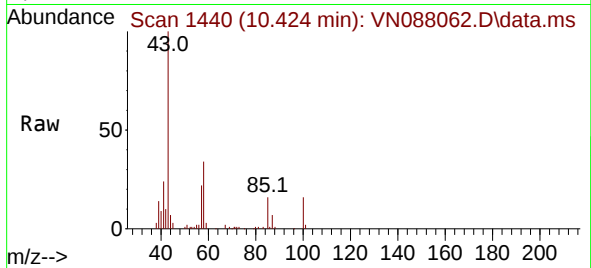




#58
4-Methyl-2-Pentanone
Concen: 17.366 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

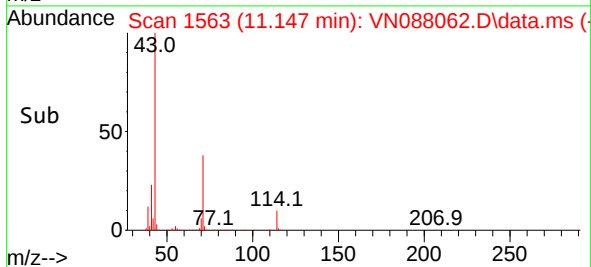
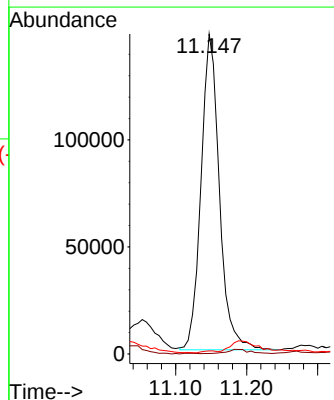
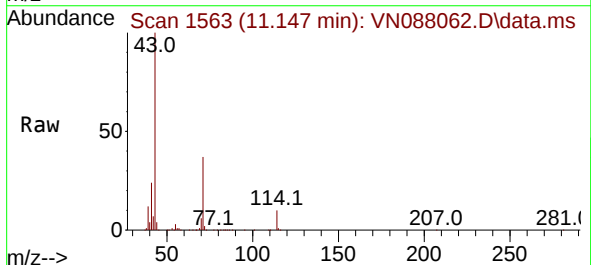
Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

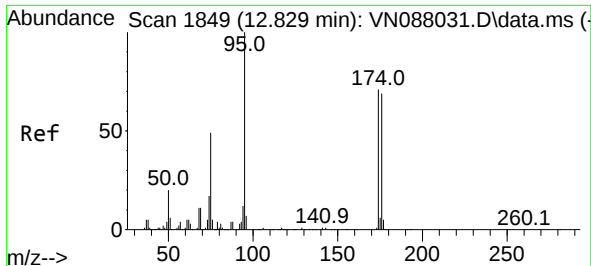
Tgt Ion: 43 Resp: 98093
Ion Ratio Lower Upper
43 100
58 27.2 31.2 46.8#
85 12.3 13.7 20.5#



#59
2-Hexanone
Concen: 71.261 ug/l
RT: 11.147 min Scan# 1563
Delta R.T. -0.035 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 43 Resp: 265754
Ion Ratio Lower Upper
43 100
58 0.0 43.1 64.7#
57 0.5 14.6 21.8#

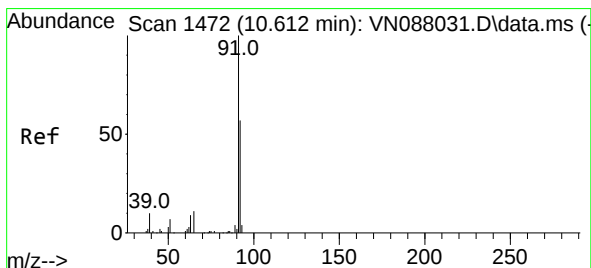
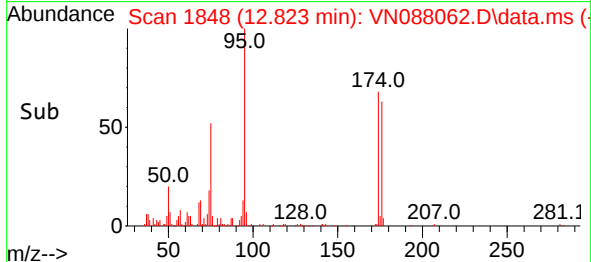
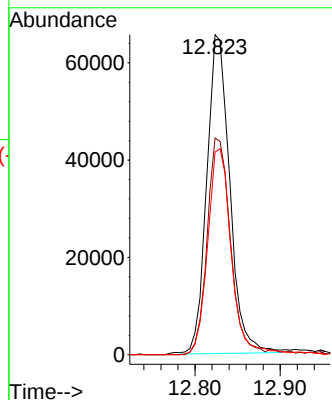
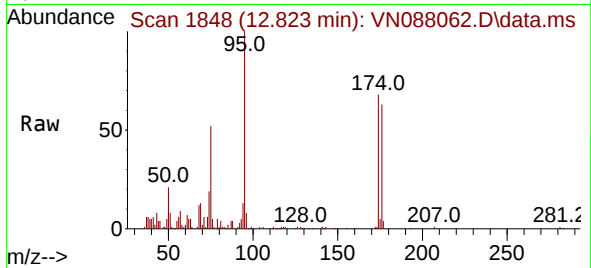




#60
4-Bromofluorobenzene
Concen: 29.603 ug/l
RT: 12.823 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

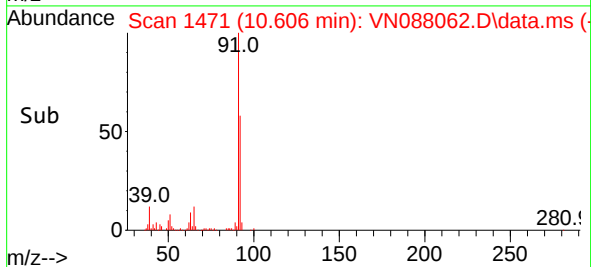
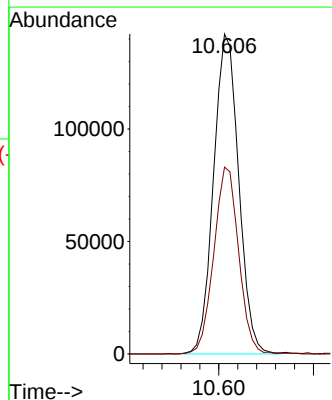
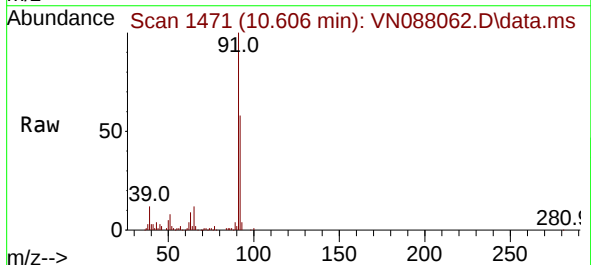
Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

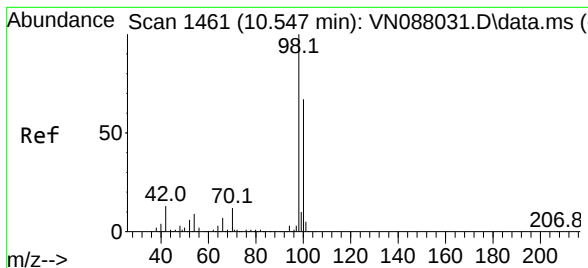
Tgt Ion: 95 Resp: 123237
Ion Ratio Lower Upper
95 100
174 68.6 57.4 86.0
176 65.4 57.0 85.4



#62
Toluene
Concen: 18.332 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 91 Resp: 262585
Ion Ratio Lower Upper
91 100
92 57.7 45.8 68.8





#63

Toluene-d8

Concen: 30.789 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN088062.D

Acq: 17 Oct 2025 12:34

Instrument :

MSVOA_N

ClientSampleId :

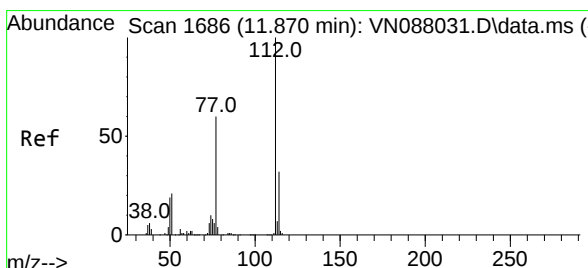
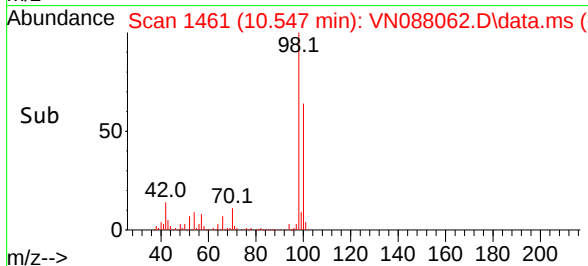
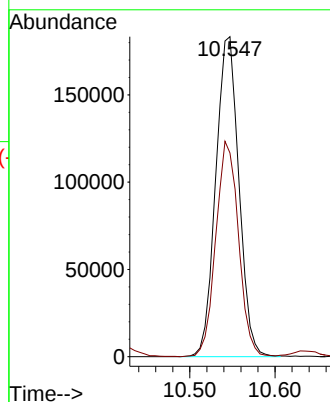
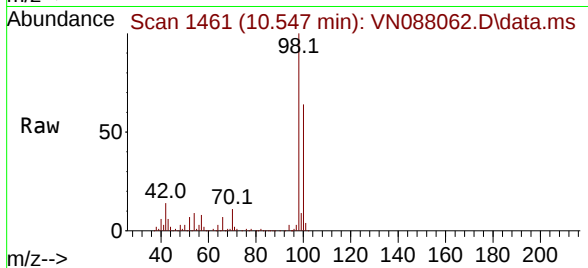
VOA 251015111-01

Tgt Ion: 98 Resp: 346407

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7



#64

Chlorobenzene

Concen: 2.278 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN088062.D

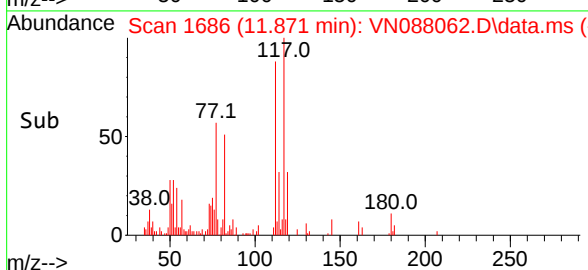
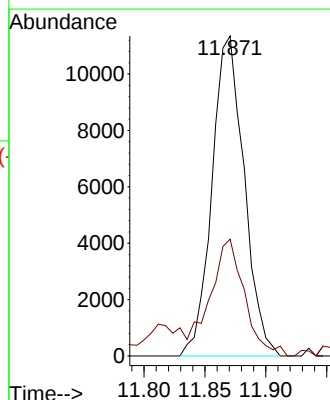
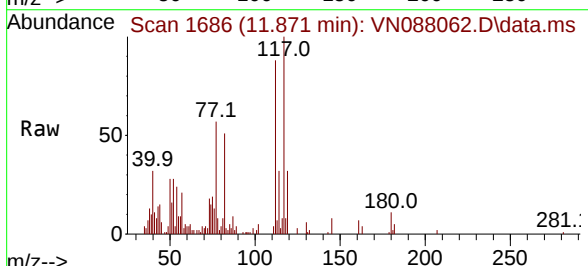
Acq: 17 Oct 2025 12:34

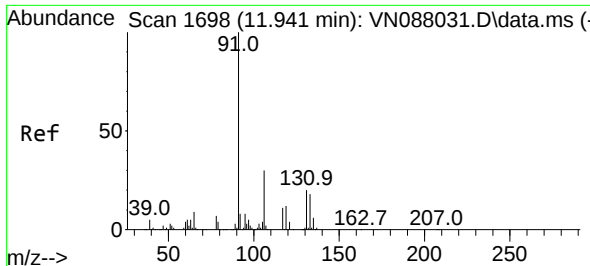
Tgt Ion: 112 Resp: 20845

Ion Ratio Lower Upper

112 100

114 33.4 25.7 38.5

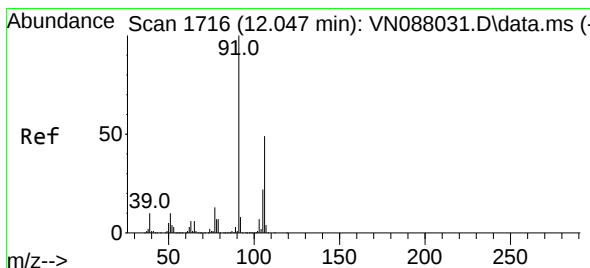
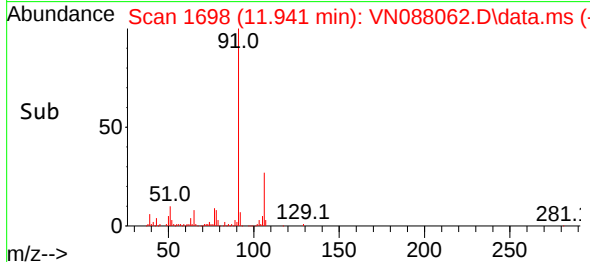
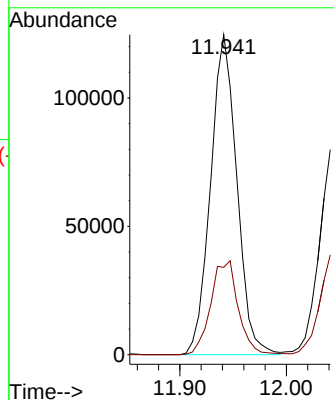
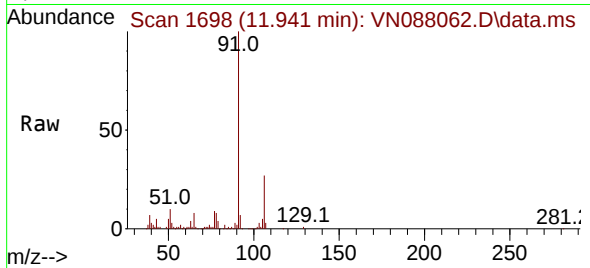




#66
Ethyl Benzene
Concen: 13.689 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

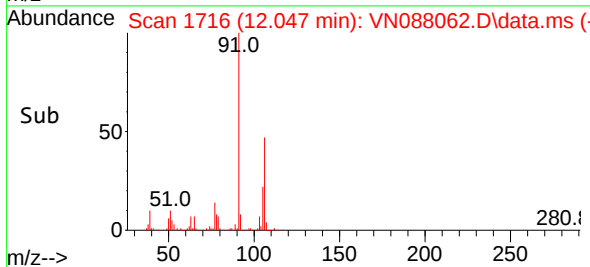
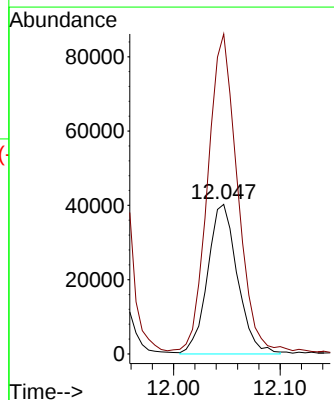
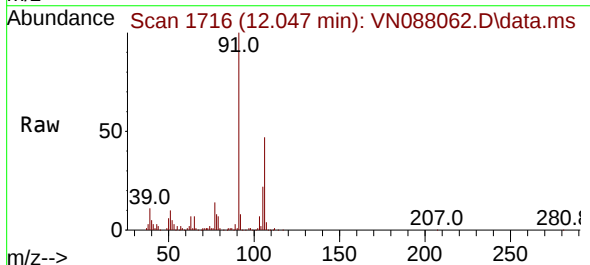
Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

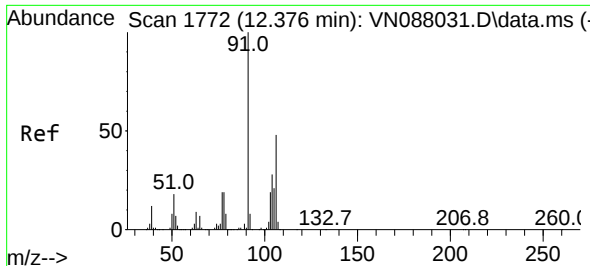
Tgt Ion: 91 Resp: 213209
Ion Ratio Lower Upper
91 100
106 27.3 24.0 36.0



#67
m/p-Xylenes
Concen: 13.048 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 106 Resp: 78345
Ion Ratio Lower Upper
106 100
91 207.2 161.4 242.0

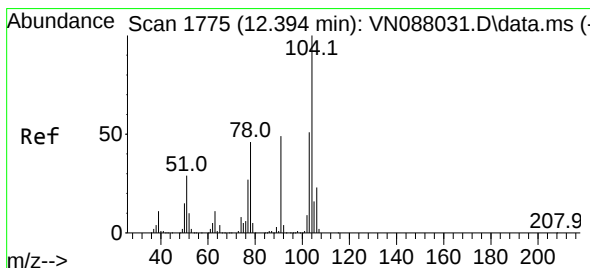
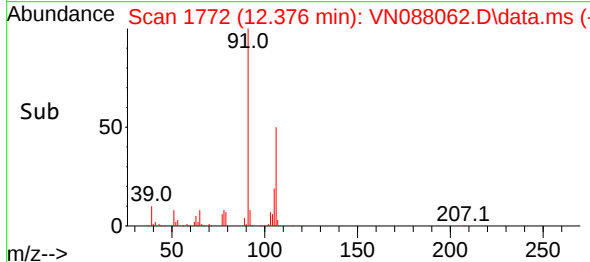
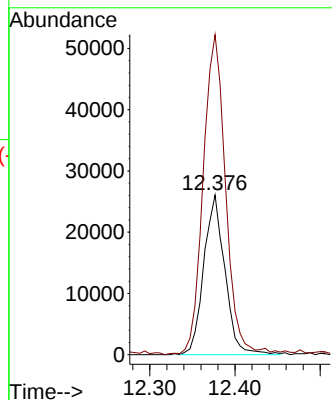
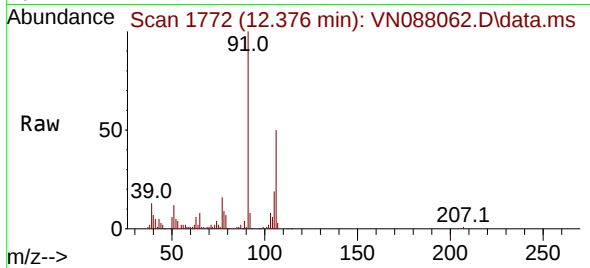




#68
o-Xylene
Concen: 7.521 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

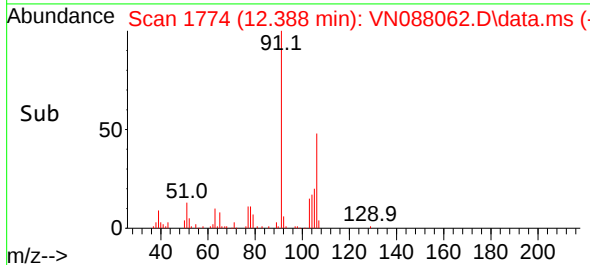
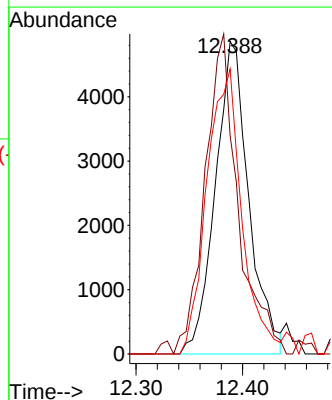
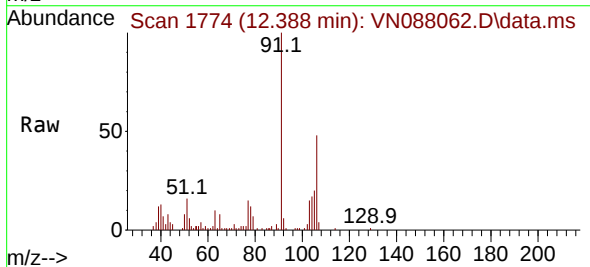
Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

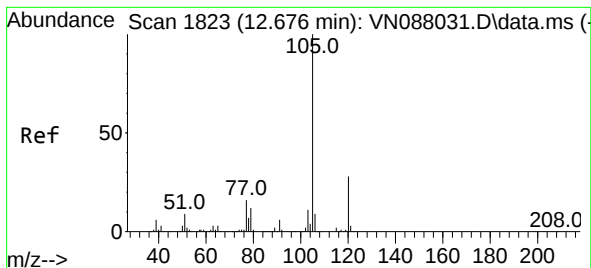
Tgt Ion:106 Resp: 44956
Ion Ratio Lower Upper
106 100
91 208.2 105.2 315.6



#69
Styrene
Concen: 1.072 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:104 Resp: 10603
Ion Ratio Lower Upper
104 100
78 101.1 41.8 62.6#
103 95.3 44.9 67.3#





#70

Isopropylbenzene

Concen: 2.126 ug/l

RT: 12.671 min Scan# 1823

Delta R.T. -0.006 min

Lab File: VN088062.D

Acq: 17 Oct 2025 12:34

Instrument :

MSVOA_N

ClientSampleId :

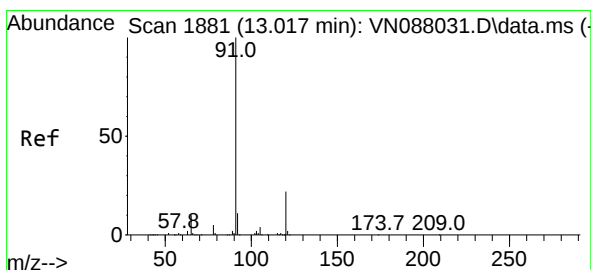
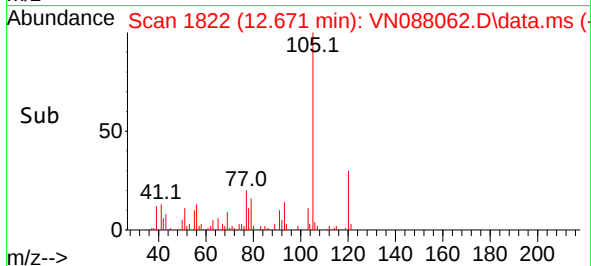
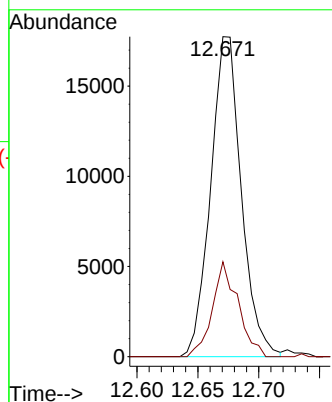
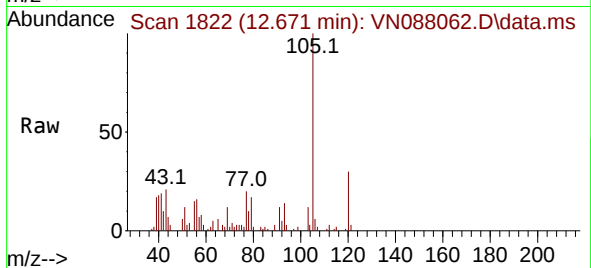
VOA 251015111-01

Tgt Ion:105 Resp: 31140

Ion Ratio Lower Upper

105 100

120 24.8 19.1 35.5



#74

n-propylbenzene

Concen: 0.650 ug/l

RT: 13.018 min Scan# 1881

Delta R.T. 0.000 min

Lab File: VN088062.D

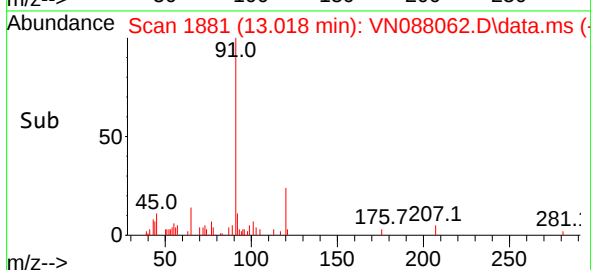
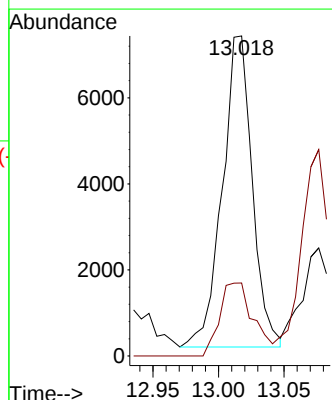
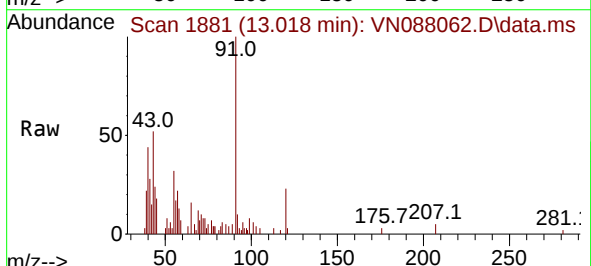
Acq: 17 Oct 2025 12:34

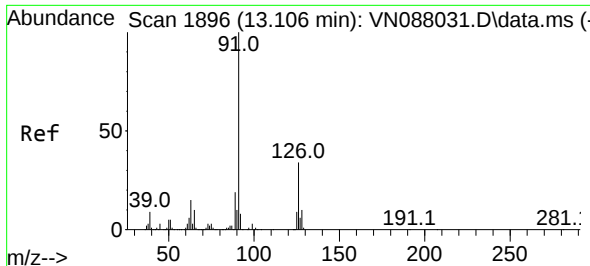
Tgt Ion: 91 Resp: 11490

Ion Ratio Lower Upper

91 100

120 26.5 0.0 46.2

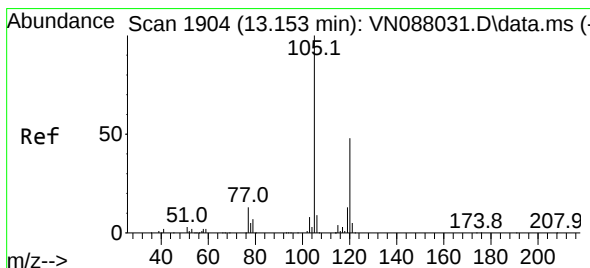
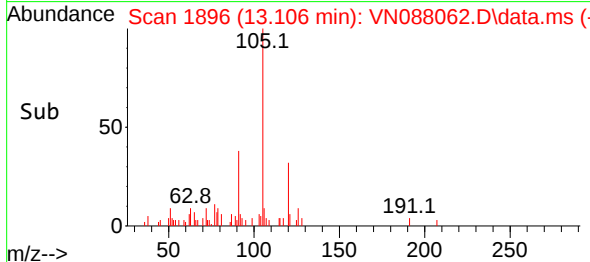
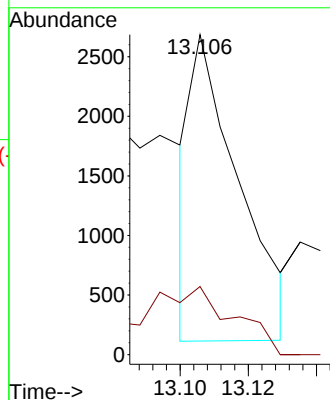
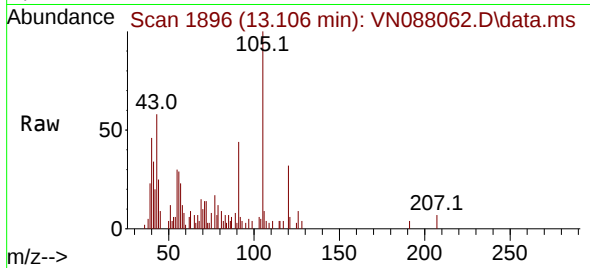




#75
2-Chlorotoluene
Concen: 0.231 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

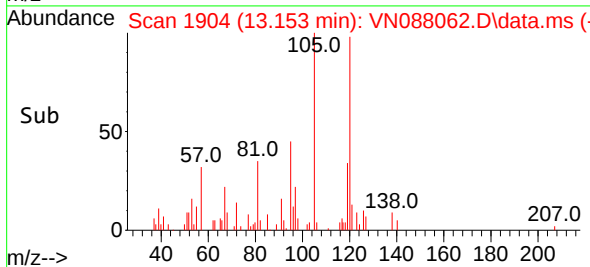
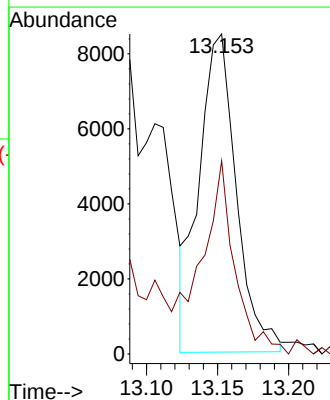
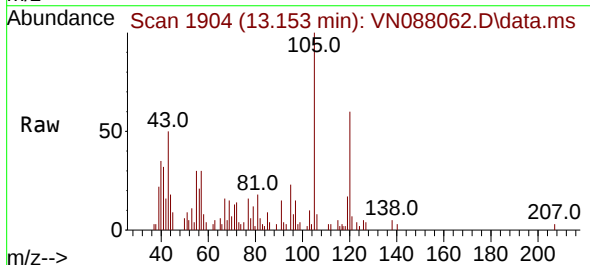
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MSVOA_N
ClientSampleId :
VOA 251015111-01

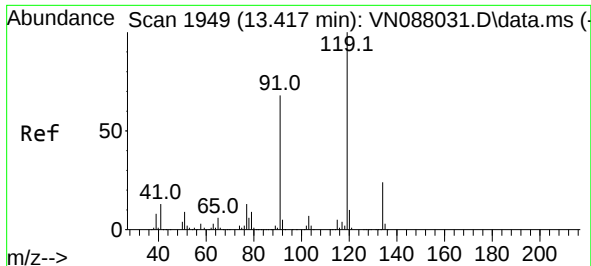
Tgt Ion: 91 Resp: 2499
Ion Ratio Lower Upper
91 100
126 12.7 0.0 66.6



#76
1,3,5-Trimethylbenzene
Concen: 1.248 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 105 Resp: 15530
Ion Ratio Lower Upper
105 100
120 51.9 0.0 100.6

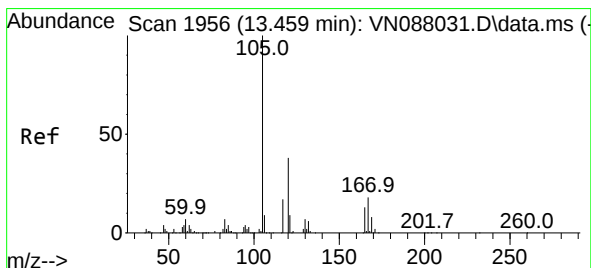
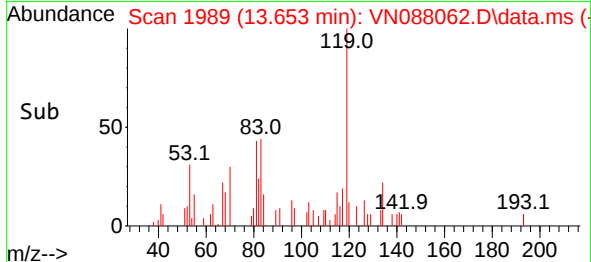
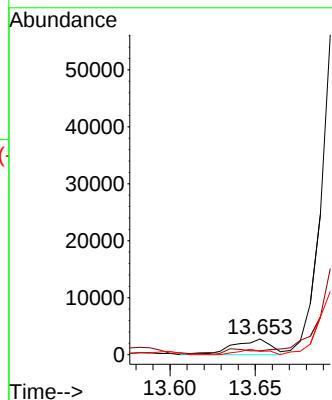
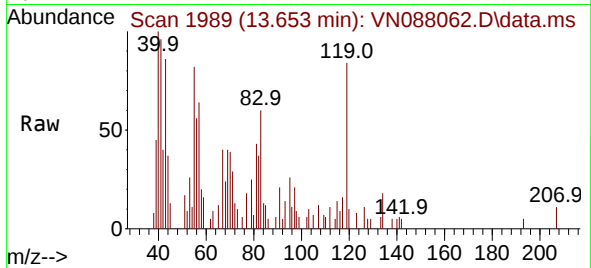




#79
tert-butylbenzene
Concen: 0.386 ug/l
RT: 13.653 min Scan# 1989
Delta R.T. 0.235 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

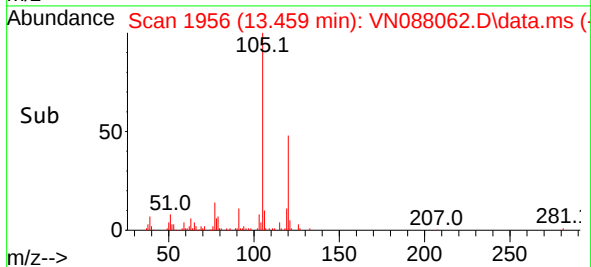
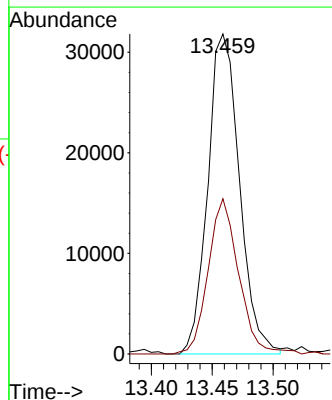
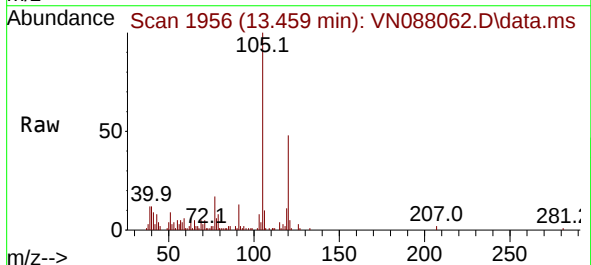
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MSVOA_N
ClientSampleId :
VOA 251015111-01

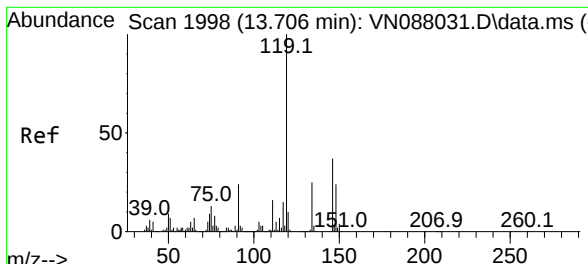
Tgt Ion:119 Resp: 4168
Ion Ratio Lower Upper
119 100
91 17.4 0.0 132.4
134 25.8 0.0 48.6



#80
1,2,4-Trimethylbenzene
Concen: 4.627 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:105 Resp: 57640
Ion Ratio Lower Upper
105 100
120 46.6 0.0 93.8

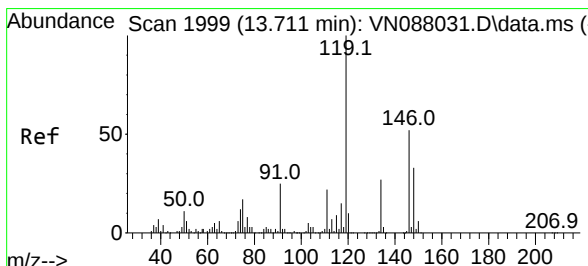
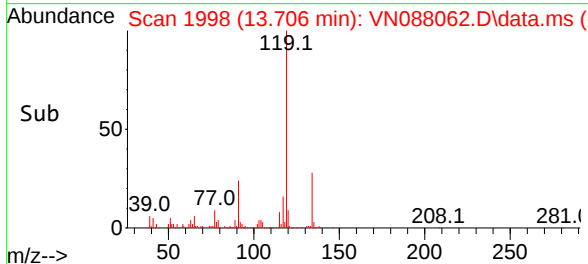
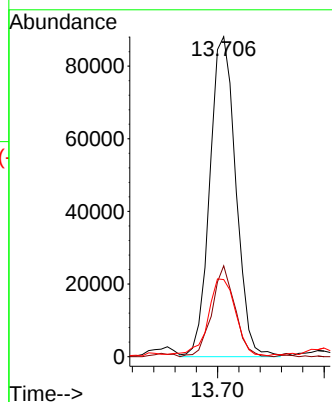
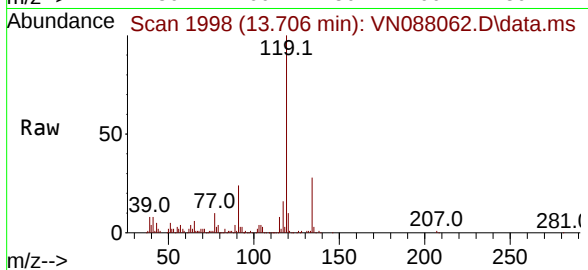




#82
 p-Isopropyltoluene
 Concen: 11.530 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN088062.D
 Acq: 17 Oct 2025 12:34

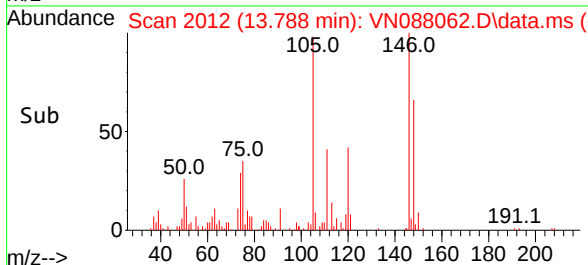
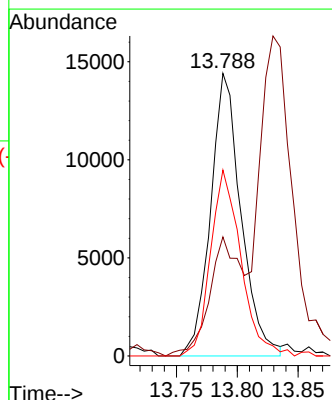
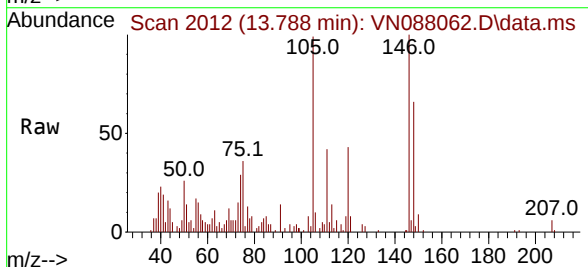
Instrument :
 MSVOA_N
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 VOA 251015111-01

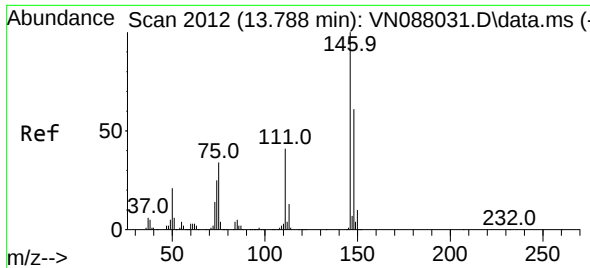
Tgt Ion:119 Resp: 149310
 Ion Ratio Lower Upper
 119 100
 134 25.1 0.0 52.6
 91 26.3 0.0 48.2



#83
 1,3-Dichlorobenzene
 Concen: 3.718 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.077 min
 Lab File: VN088062.D
 Acq: 17 Oct 2025 12:34

Tgt Ion:146 Resp: 25052
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.1 63.1
 148 65.8 31.5 94.5

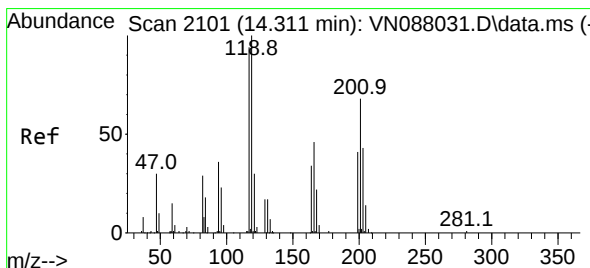
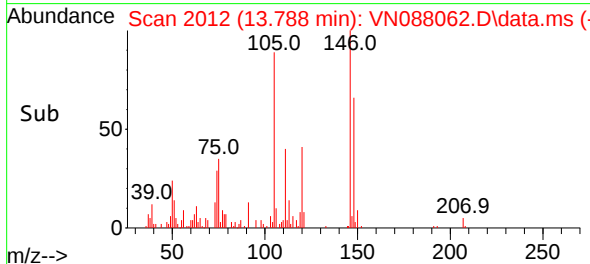
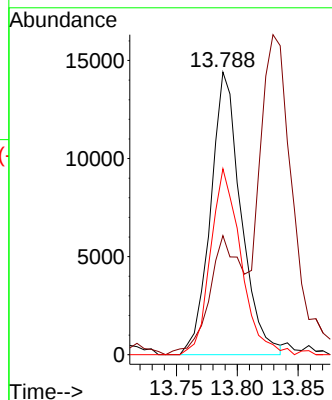
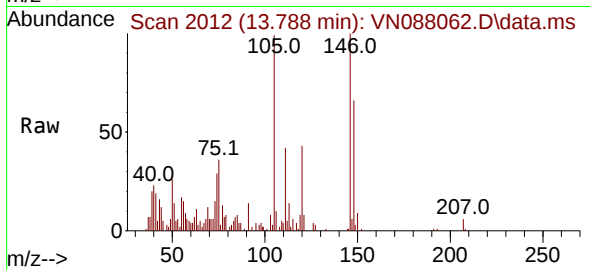




#84
1,4-Dichlorobenzene
Concen: 3.606 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

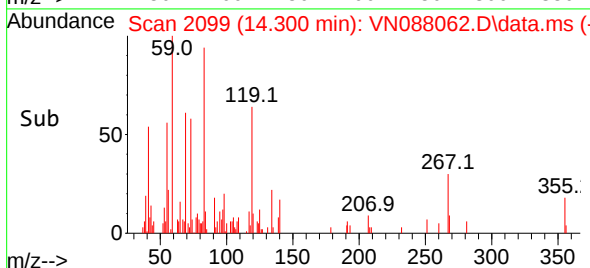
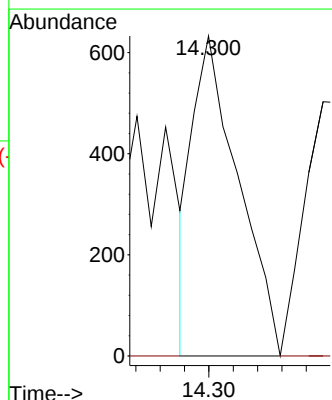
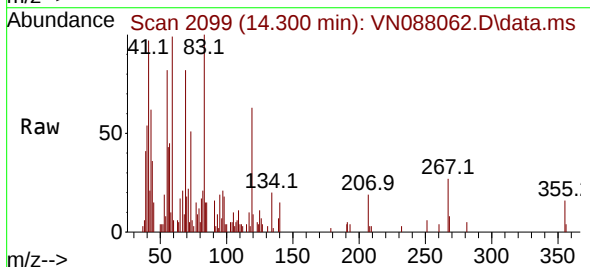
Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

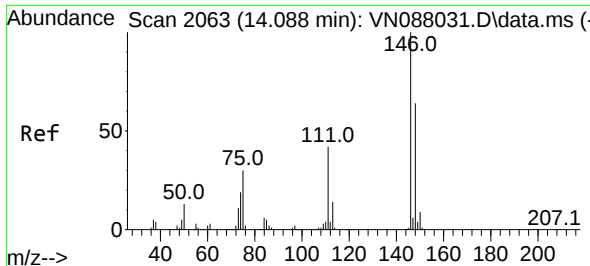
Tgt Ion:146 Resp: 25052
Ion Ratio Lower Upper
146 100
111 43.3 20.5 61.6
148 65.8 31.9 95.9



#86
Hexachloroethane
Concen: 0.318 ug/l
RT: 14.300 min Scan# 2099
Delta R.T. -0.012 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:117 Resp: 826
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.3#

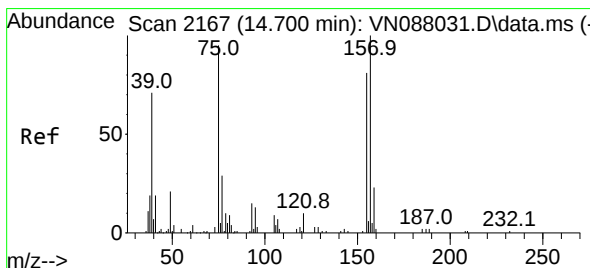
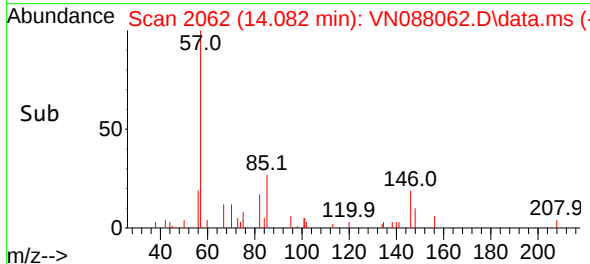
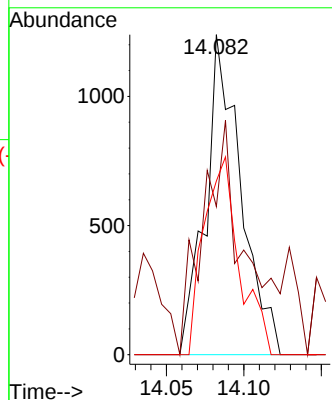
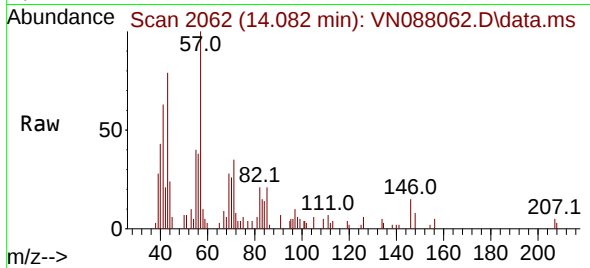




#87
 1,2-Dichlorobenzene
 Concen: 0.296 ug/l
 RT: 14.082 min Scan# 2063
 Delta R.T. -0.006 min
 Lab File: VN088062.D
 Acq: 17 Oct 2025 12:34

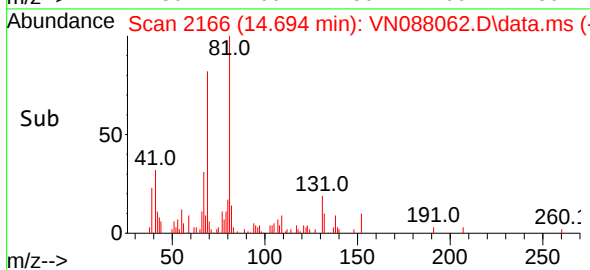
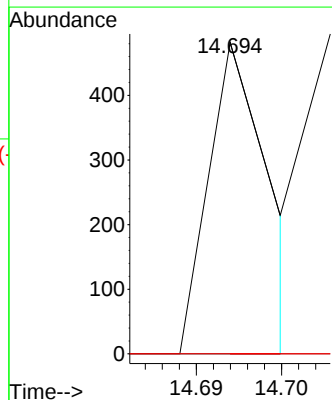
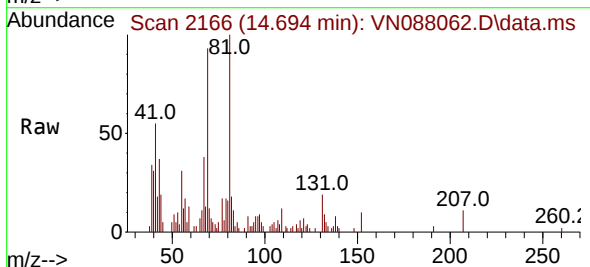
Instrument :
 MSVOA_N
 ClientSampleId :
 VOA 251015111-01

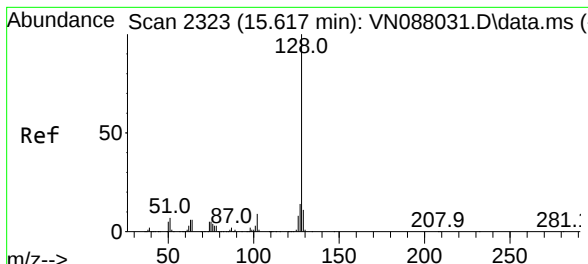
Tgt Ion:	146	Resp:	1960
Ion Ratio	Lower	Upper	
146	100		
111	59.0	22.3	66.8
148	54.6	31.4	94.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.216 ug/l
 RT: 14.694 min Scan# 2166
 Delta R.T. -0.006 min
 Lab File: VN088062.D
 Acq: 17 Oct 2025 12:34

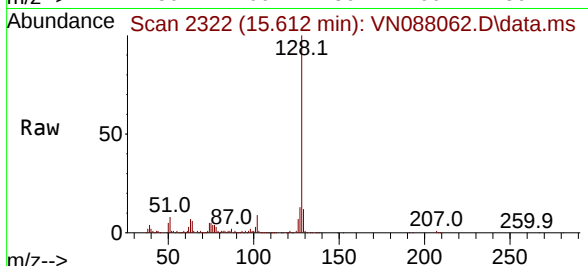
Tgt Ion:	75	Resp:	246
Ion Ratio	Lower	Upper	
75	100		
155	0.0	63.5	95.3#
157	0.0	81.7	122.5#





#91
 Naphthalene
 Concen: 31.906 ug/l
 RT: 15.612 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN088062.D
 Acq: 17 Oct 2025 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VOA 251015111-01



Tgt Ion:128 Resp: 461067

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	11.1	8.6	13.0

