

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088132.D
 Acq On : 28 Oct 2025 12:35
 Operator : JC\MD
 Sample : Q3426-01DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP2DL

Quant Time: Oct 29 02:20:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	238689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	533116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	499340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	241900	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	217152	52.612	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.220%	
35) Dibromofluoromethane	8.153	113	161545	45.105	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 90.220%	
50) Toluene-d8	10.547	98	603883	43.759	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 87.520%	
62) 4-Bromofluorobenzene	12.829	95	247606	50.805	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.600%	

Target Compounds				Qvalue		
10) Methyl Iodide	4.595	142	307	4.311	ug/l #	38
11) Tert butyl alcohol	5.524	59	1483	2.086	ug/l #	71
13) Acrolein	4.142	56	2063	2.579	ug/l #	1
15) Acrylonitrile	5.700	53	630	0.325	ug/l #	31
16) Acetone	4.424	43	59236	28.567	ug/l	97
17) Carbon Disulfide	4.700	76	7630	0.837	ug/l	97
18) Methyl Acetate	5.030	43	1627	0.383	ug/l #	54
20) Methylene Chloride	5.265	84	1017	1.083	ug/l #	73
23) Vinyl Acetate	6.624	43	4137	0.415	ug/l #	72
25) 2-Butanone	7.477	43	34063	12.465	ug/l	93
29) Tetrahydrofuran	7.824	42	1352	0.759	ug/l #	38
31) Cyclohexane	8.241	56	142950	24.742	ug/l	95
36) 1,1-Dichloropropene	8.206	75	23114	4.420	ug/l #	53
37) Ethyl Acetate	7.477	43	34063	5.048	ug/l #	74
38) Carbon Tetrachloride	8.200	117	27222	5.040	ug/l #	15
39) Methylcyclohexane	9.582	83	106715	15.876	ug/l	94
40) Benzene	8.588	78	568660	35.707	ug/l	99
42) 1,2-Dichloroethane	8.583	62	6543	1.156	ug/l	87
43) Isopropyl Acetate	8.641	43	4282	0.413	ug/l #	58
45) 1,2-Dichloropropane	9.588	63	1469	0.365	ug/l #	1
48) Methyl methacrylate	9.582	41	65865	13.758	ug/l #	76
49) 1,4-Dioxane	9.677	88	187	3.141	ug/l #	52
51) 4-Methyl-2-Pentanone	10.429	43	4552	0.742	ug/l	97
52) Toluene	10.606	92	84641	8.620	ug/l	99
55) 1,1,2-Trichloroethane	10.982	97	9819	2.636	ug/l #	17
58) 2-Chloroethyl Vinyl ether	10.130	63	985	0.321	ug/l #	49
67) Ethyl Benzene	11.941	91	559854	28.130	ug/l	99
68) m/p-Xylenes	12.047	106	822064	110.239	ug/l	100
69) o-Xylene	12.376	106	142636	20.177	ug/l	97
70) Styrene	12.376	104	8474	0.735	ug/l #	1
73) Isopropylbenzene	12.676	105	35288	1.891	ug/l	100
74) N-amyl acetate	12.459	43	5040	0.952	ug/l #	38
76) 1,2,3-Trichloropropane	12.829	75	136613	24.701	ug/l #	1
78) n-propylbenzene	13.018	91	69254	3.042	ug/l	98
79) 2-Chlorotoluene	13.106	91	28892	2.225	ug/l #	45
80) 1,3,5-Trimethylbenzene	13.153	105	342380	22.096	ug/l	97

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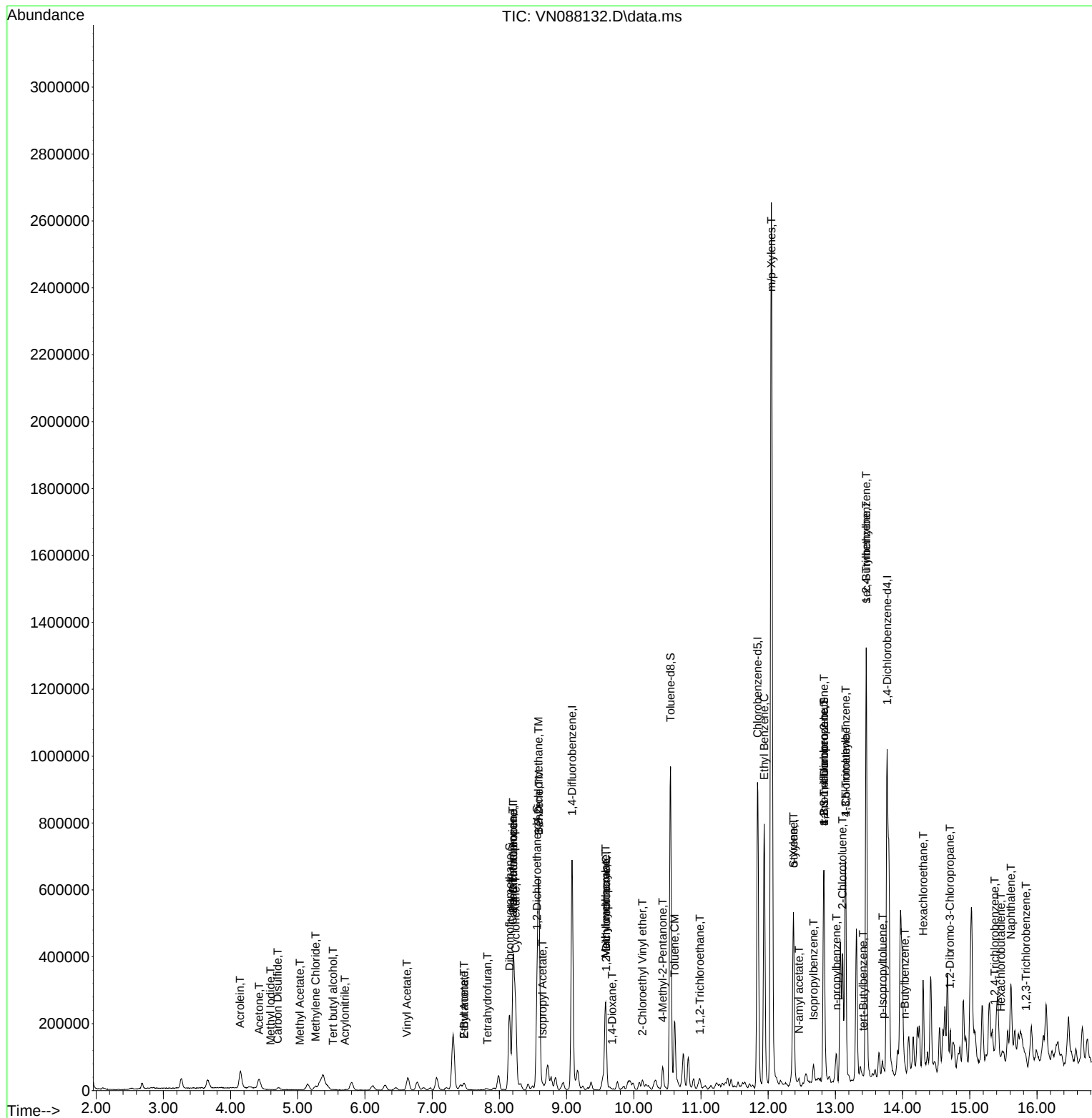
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
81) trans-1,4-Dichloro-2-b...	12.829	75	136613	68.905	ug/l	#	1
82) 4-Chlorotoluene	13.153	91	40641	2.893	ug/l	#	44
83) tert-Butylbenzene	13.412	119	3154	0.228	ug/l	#	33
84) 1,2,4-Trimethylbenzene	13.459	105	728307	46.979	ug/l		99
85) sec-Butylbenzene	13.459	105	728307	35.814	ug/l	#	58
86) p-Isopropyltoluene	13.706	119	15923	0.976	ug/l		97
89) n-Butylbenzene	14.035	91	14485	0.896	ug/l	#	80
90) Hexachloroethane	14.306	117	14184	4.490	ug/l	#	22
92) 1,2-Dibromo-3-Chloropr...	14.706	75	384	0.284	ug/l	#	26
93) 1,2,4-Trichlorobenzene	15.370	180	2843	0.606	ug/l	#	1
94) Hexachlorobutadiene	15.464	225	539	0.309	ug/l	#	1
95) Naphthalene	15.611	128	222124	13.829	ug/l		97
96) 1,2,3-Trichlorobenzene	15.835	180	3336	0.742	ug/l	#	13

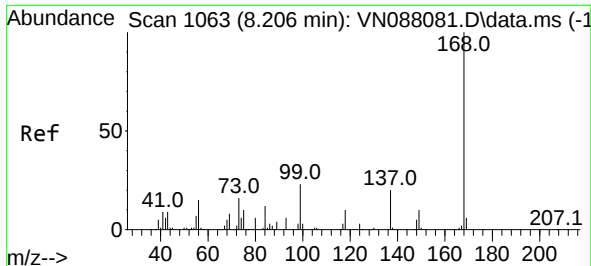
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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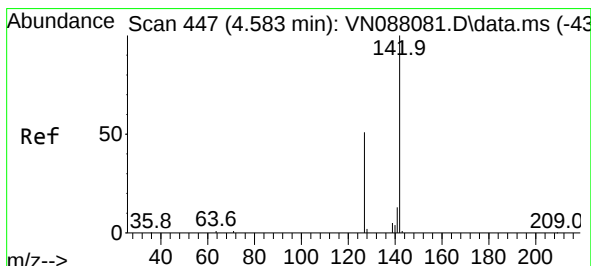
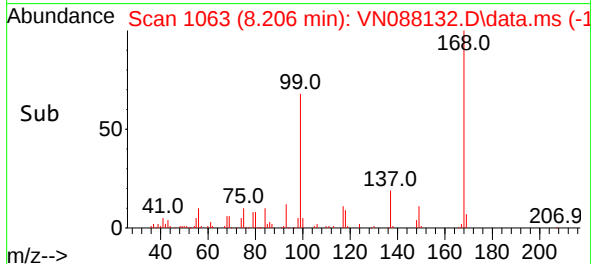
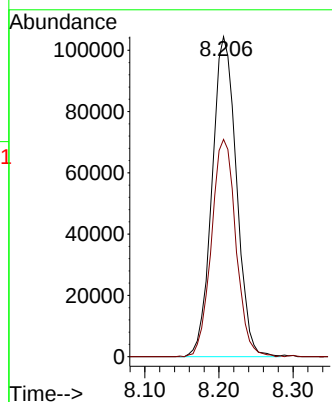
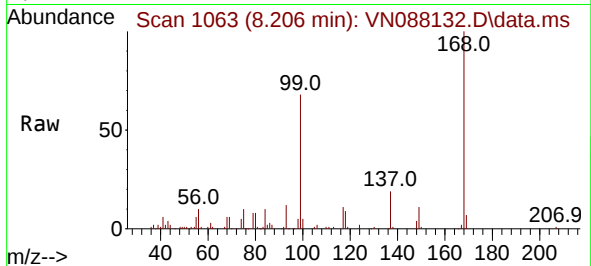




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

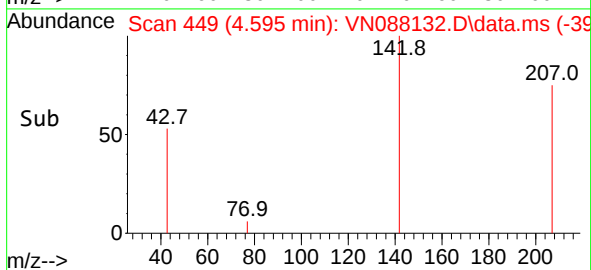
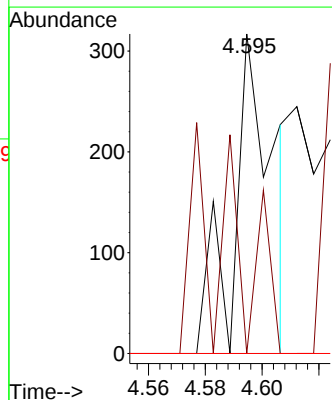
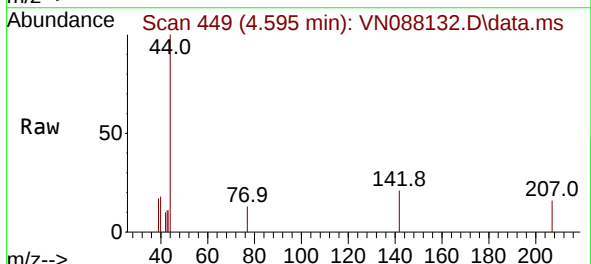
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

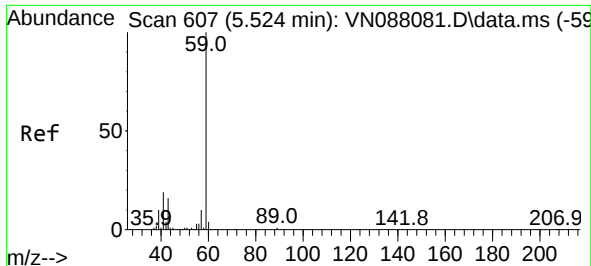
Tgt Ion:168 Resp: 238689
Ion Ratio Lower Upper
168 100
99 67.7 57.2 85.8



#10
Methyl Iodide
Concen: 4.311 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.018 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion:142 Resp: 307
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

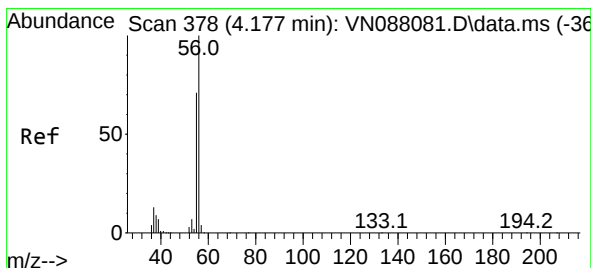
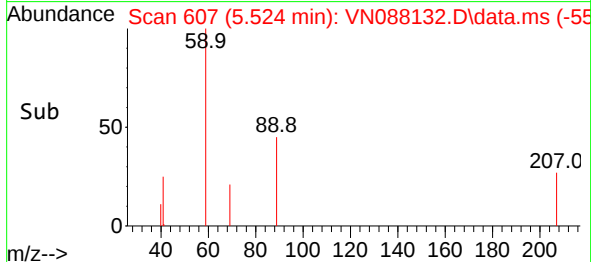
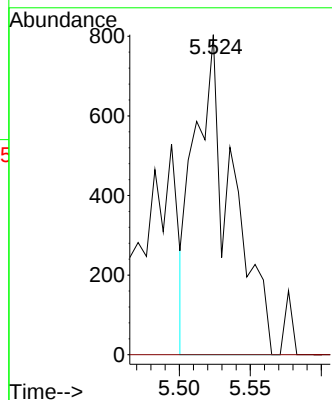
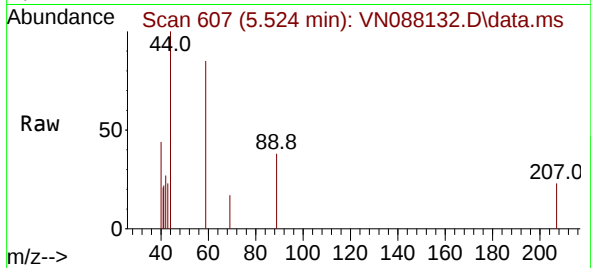




#11
Tert butyl alcohol
Concen: 2.086 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

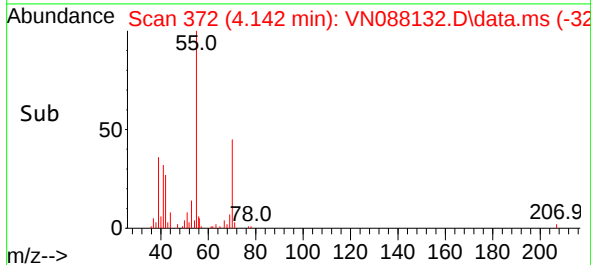
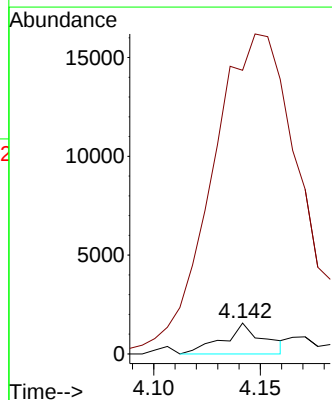
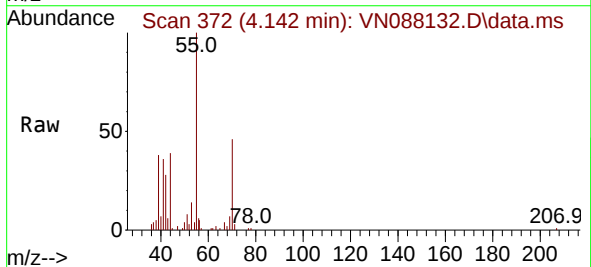
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

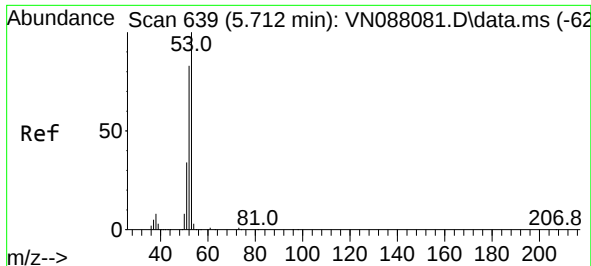
Tgt Ion: 59 Resp: 1483
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: 2.579 ug/l
RT: 4.142 min Scan# 372
Delta R.T. -0.029 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 56 Resp: 2063
Ion Ratio Lower Upper
56 100
55 2283.5 57.3 85.9#

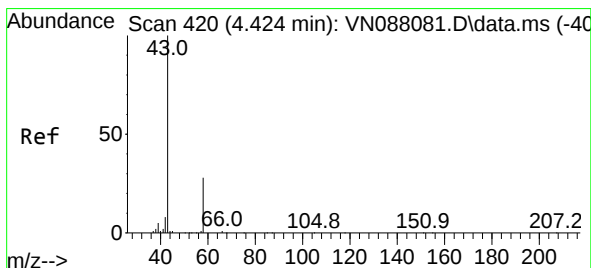
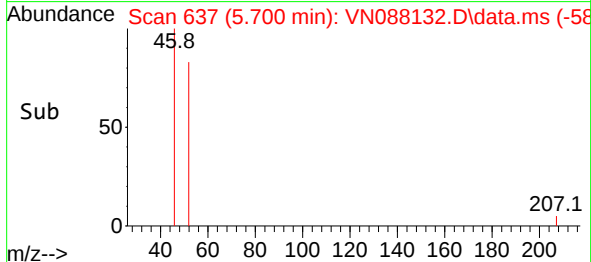
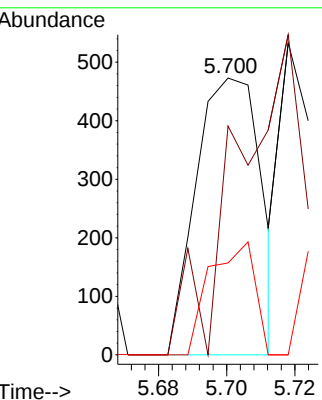
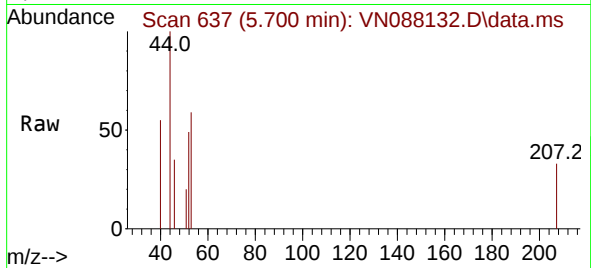




#15
Acrylonitrile
Concen: 0.325 ug/l
RT: 5.700 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

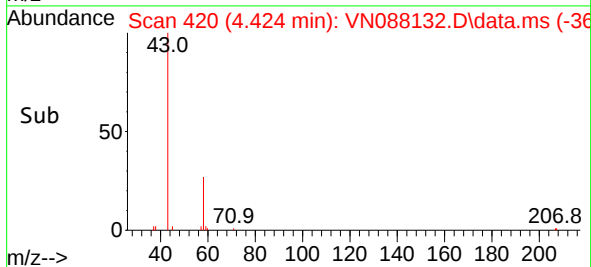
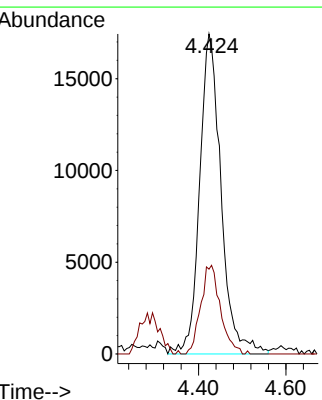
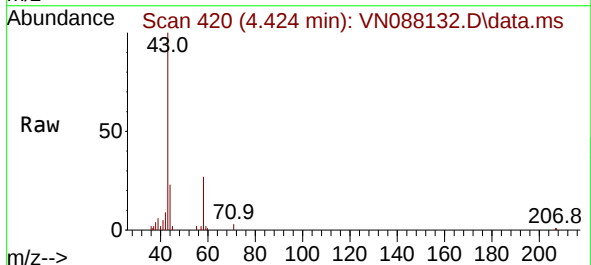
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

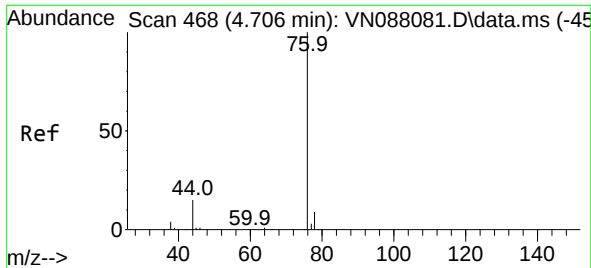
Tgt Ion: 53 Resp: 630
Ion Ratio Lower Upper
53 100
52 0.0 67.6 101.4#
51 28.1 30.1 45.1#



#16
Acetone
Concen: 28.567 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 43 Resp: 59236
Ion Ratio Lower Upper
43 100
58 26.5 22.6 33.8





#17

Carbon Disulfide

Concen: 0.837 ug/l

RT: 4.700 min Scan# 4

Delta R.T. -0.000 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

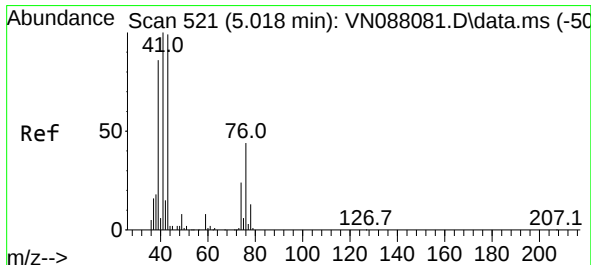
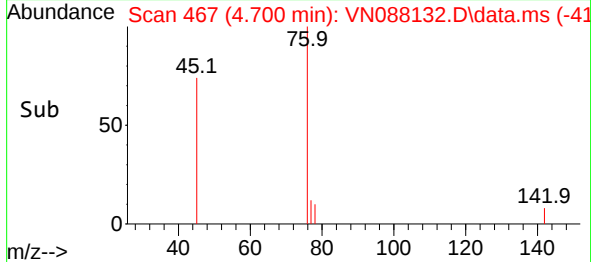
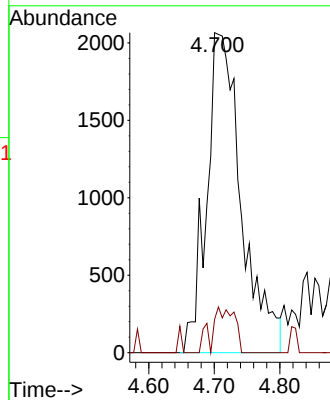
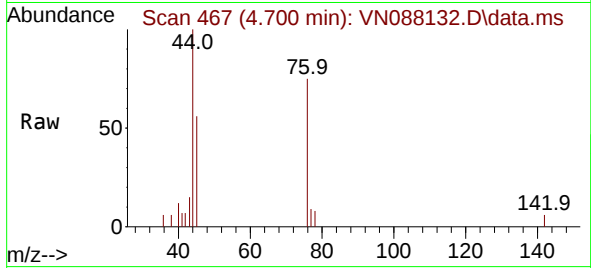
TWP2DL

Tgt Ion: 76 Resp: 7630

Ion Ratio Lower Upper

76 100

78 10.5 7.6 11.4



#18

Methyl Acetate

Concen: 0.383 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.018 min

Lab File: VN088132.D

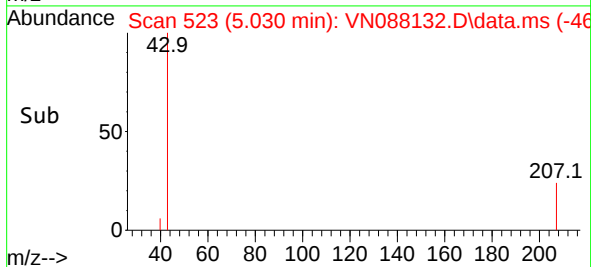
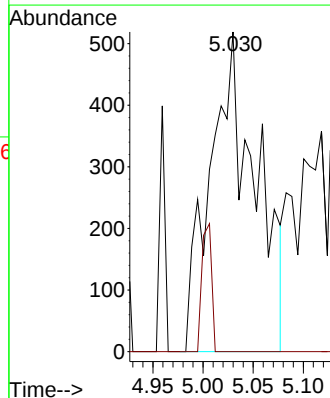
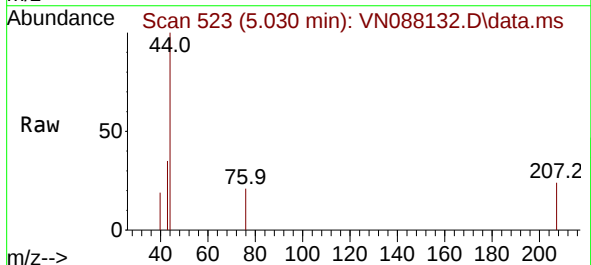
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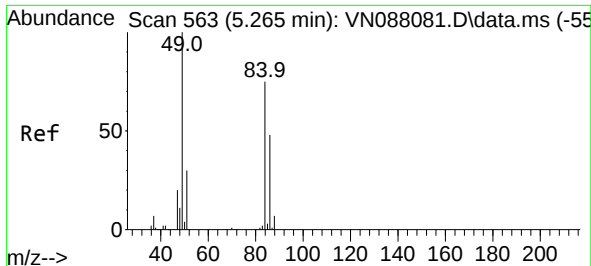
Tgt Ion: 43 Resp: 1627

Ion Ratio Lower Upper

43 100

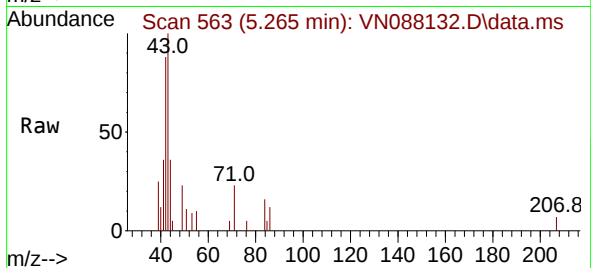
74 0.0 17.6 26.4#



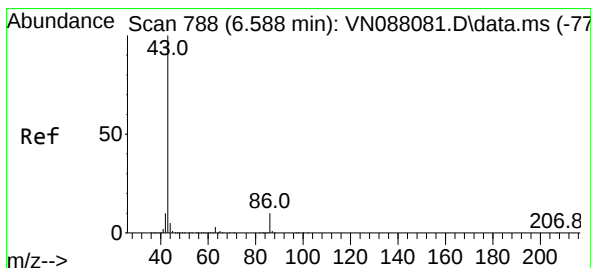
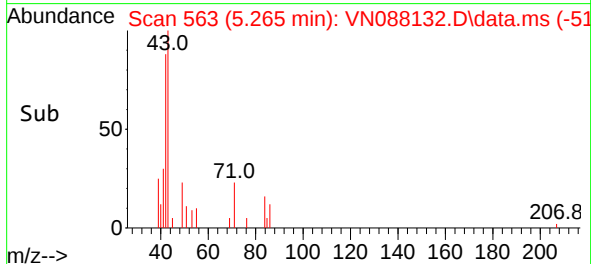
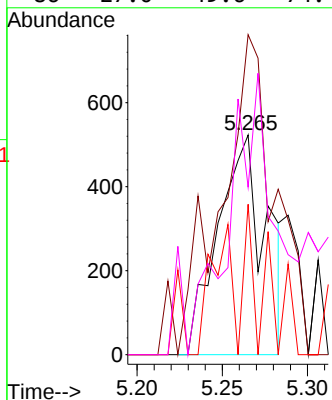


#20
Methylene Chloride
Concen: 1.083 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN088132.D
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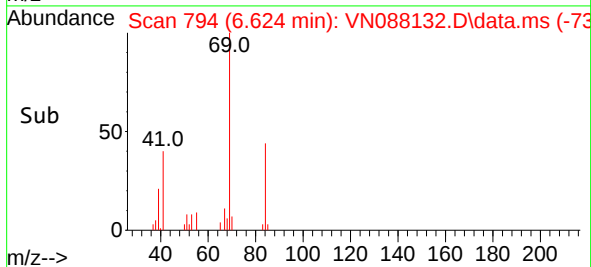
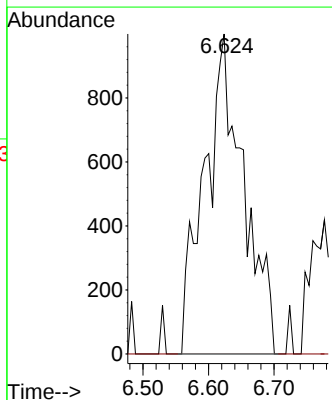
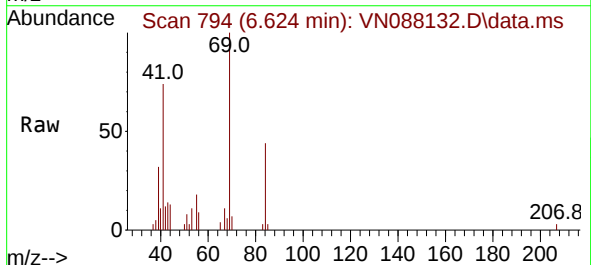


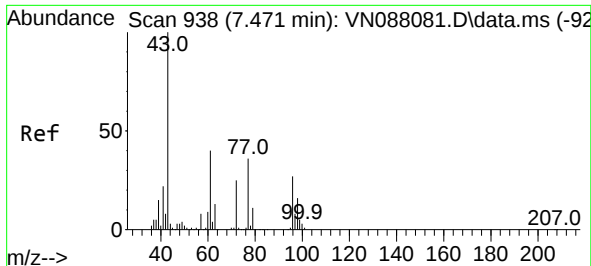
Tgt Ion:	84	Resp:	1017
Ion	Ratio	Lower	Upper
84	100		
49	145.7	103.4	155.2
51	68.5	33.8	50.8#
86	27.0	49.6	74.4#



#23
Vinyl Acetate
Concen: 0.415 ug/l
RT: 6.624 min Scan# 794
Delta R.T. 0.035 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion:	43	Resp:	4137
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

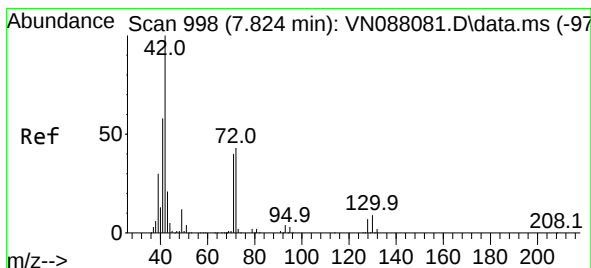
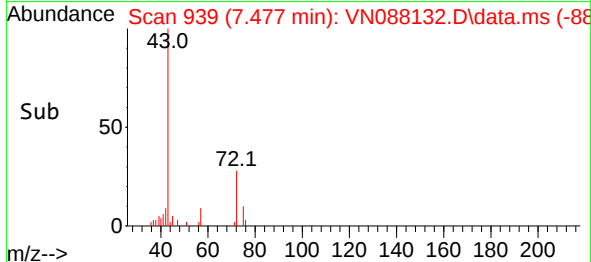
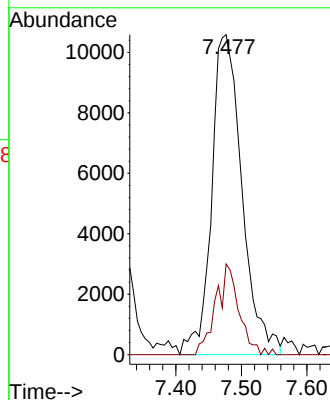
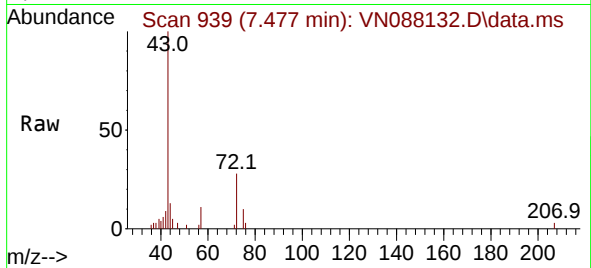




#25
2-Butanone
Concen: 12.465 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

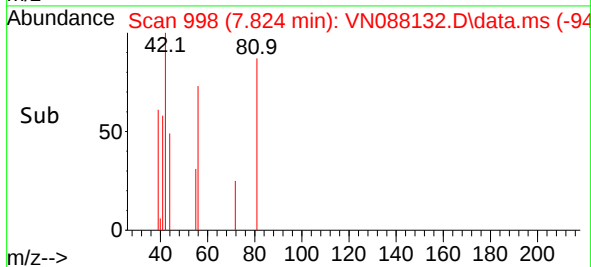
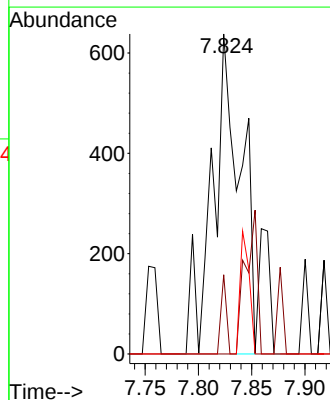
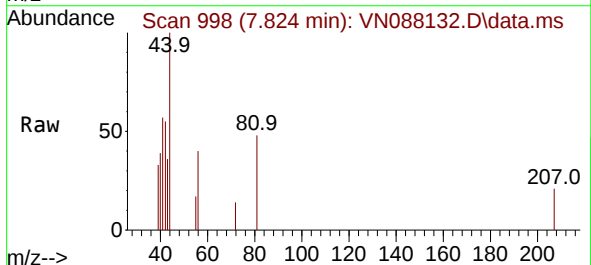
Instrument :
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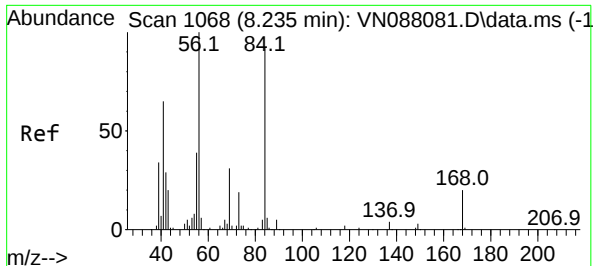
Tgt Ion: 43 Resp: 34063
Ion Ratio Lower Upper
43 100
72 28.3 19.9 29.9



#29
Tetrahydrofuran
Concen: 0.759 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 42 Resp: 1352
Ion Ratio Lower Upper
42 100
72 4.1 33.7 50.5#
71 0.0 31.9 47.9#

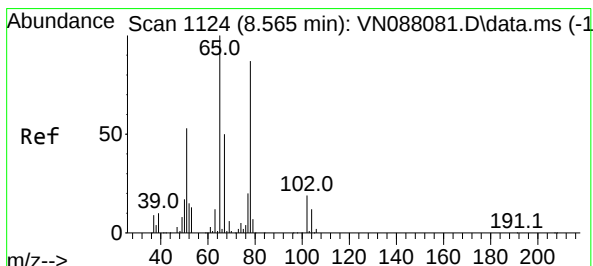
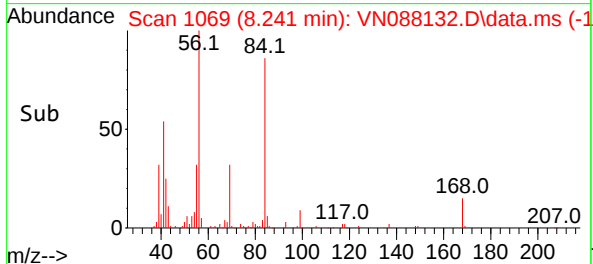
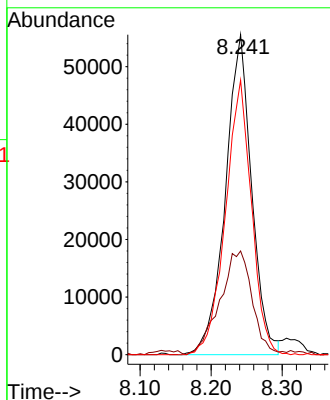
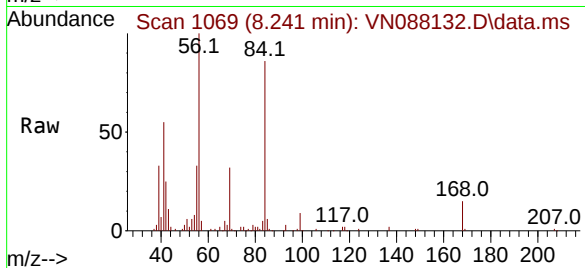




#31
Cyclohexane
Concen: 24.742 ug/l
RT: 8.241 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

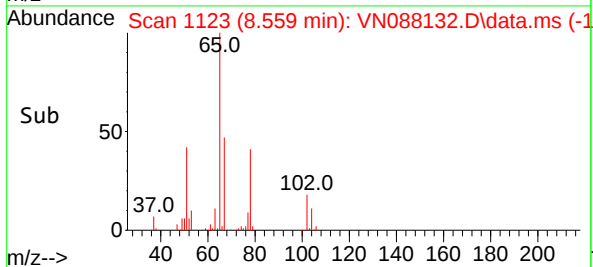
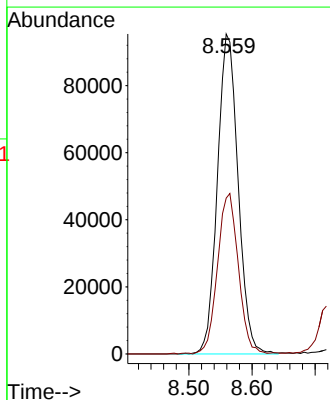
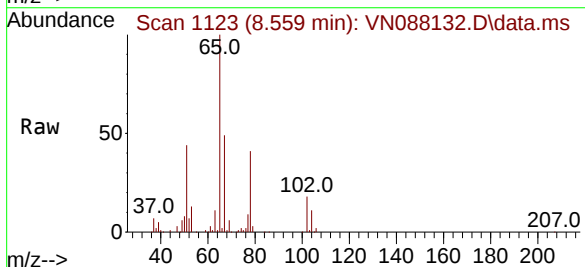
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

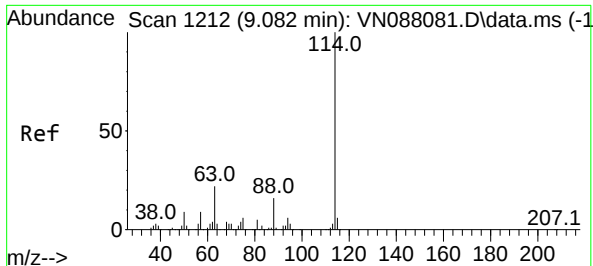
Tgt Ion: 56 Resp: 142950
Ion Ratio Lower Upper
56 100
69 31.5 23.7 35.5
84 85.8 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 52.612 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 65 Resp: 217152
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

TWP2DL

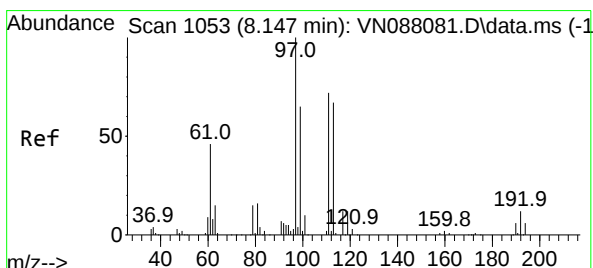
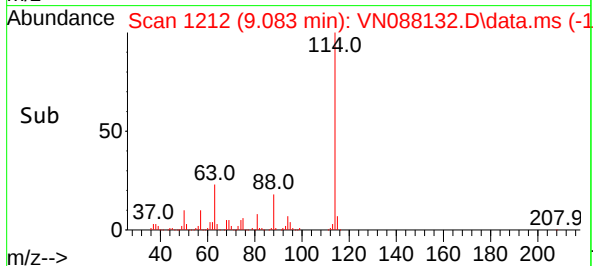
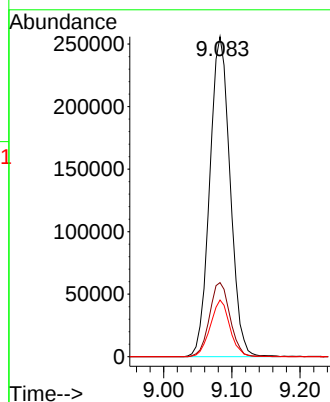
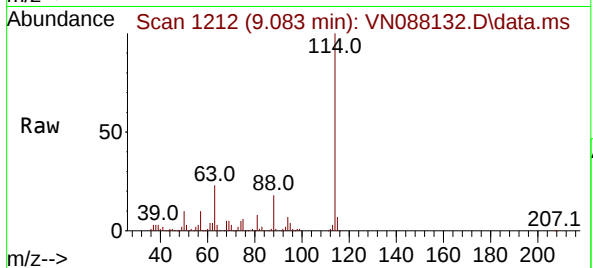
Tgt Ion:114 Resp: 533116

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.2

88 17.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 45.105 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

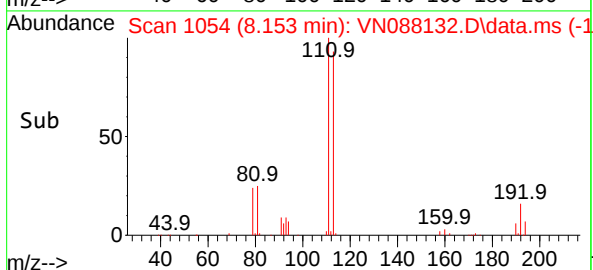
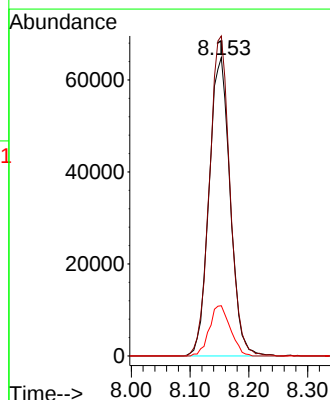
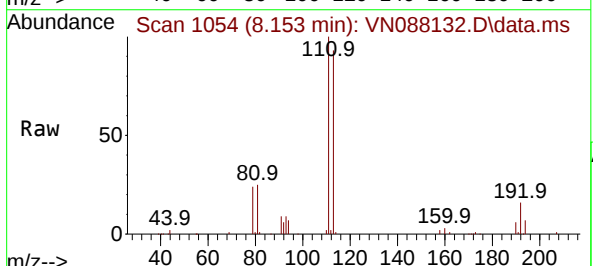
Tgt Ion:113 Resp: 161545

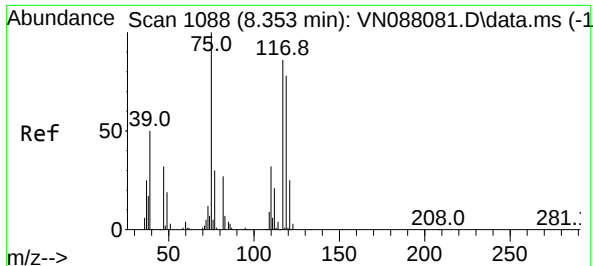
Ion Ratio Lower Upper

113 100

111 104.3 82.8 124.2

192 16.8 12.8 19.2

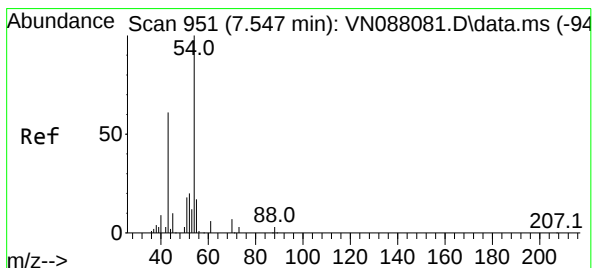
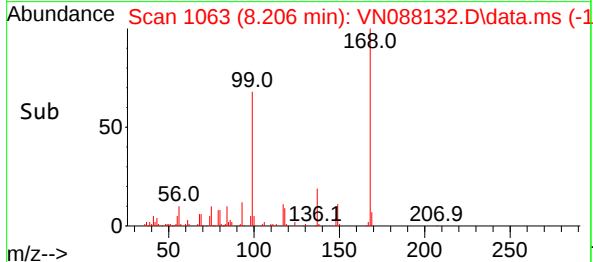
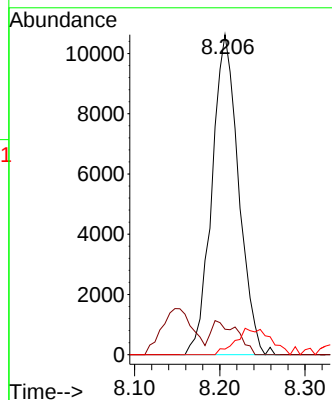
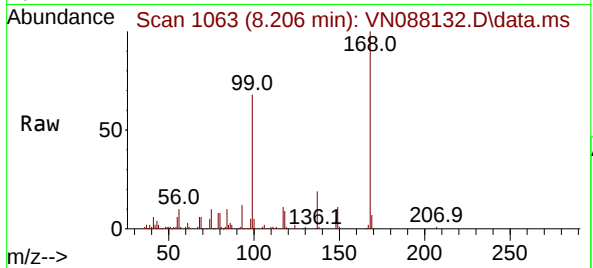




#36
1,1-Dichloropropene
Concen: 4.420 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

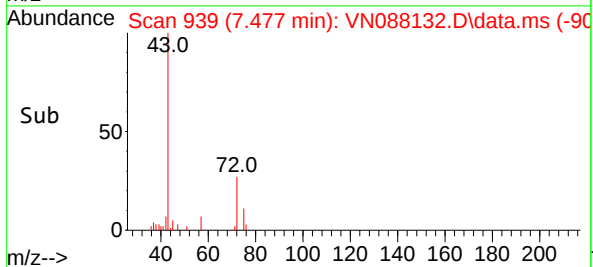
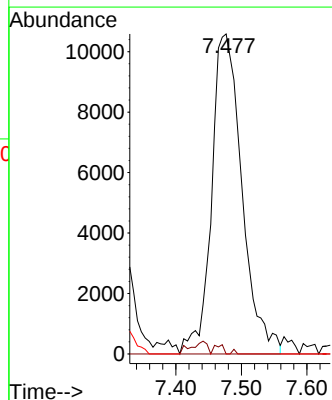
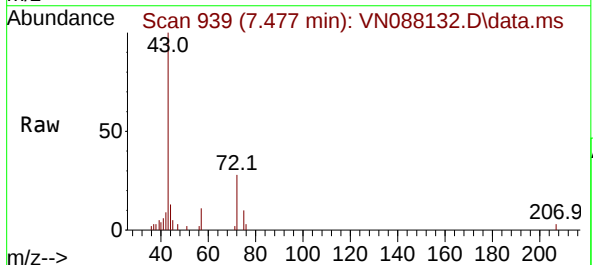
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

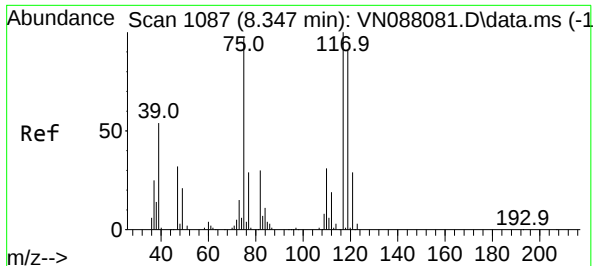
Tgt Ion: 75 Resp: 23114
Ion Ratio Lower Upper
75 100
110 10.4 15.9 47.6#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 5.048 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.071 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 43 Resp: 34063
Ion Ratio Lower Upper
43 100
61 0.9 9.3 13.9#
70 0.0 7.0 10.6#

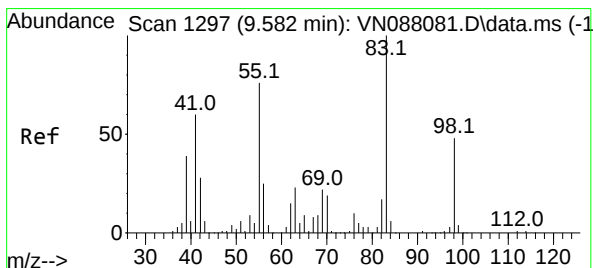
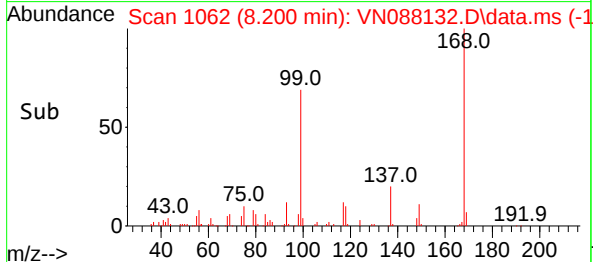
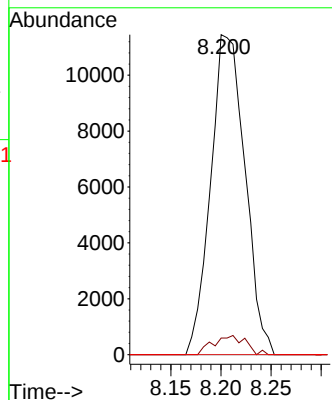
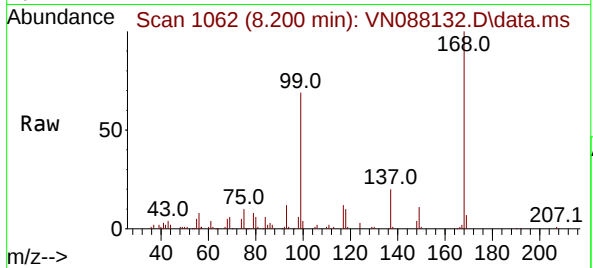




#38
Carbon Tetrachloride
Concen: 5.040 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.141 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

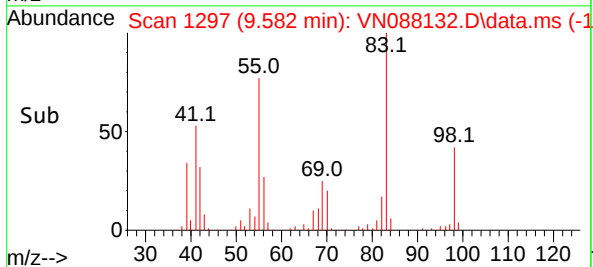
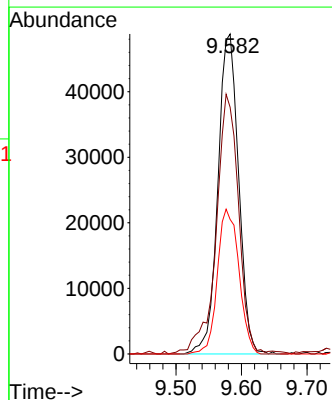
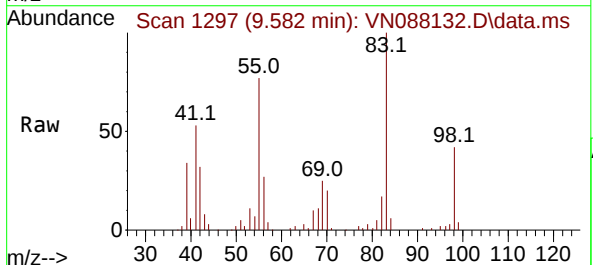
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

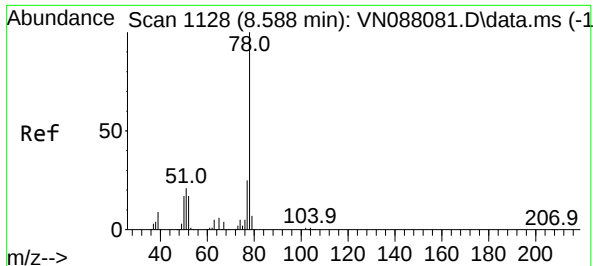
Tgt Ion:117 Resp: 27222
Ion Ratio Lower Upper
117 100
119 5.2 79.0 118.6#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 15.876 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 83 Resp: 106715
Ion Ratio Lower Upper
83 100
55 76.4 64.6 96.8
98 42.0 38.4 57.6

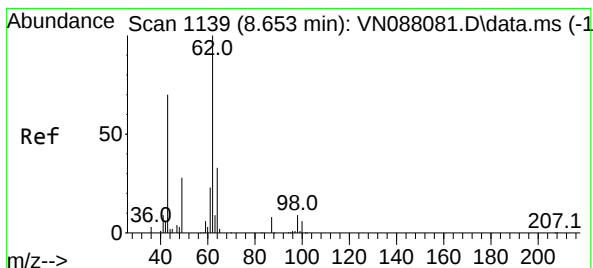
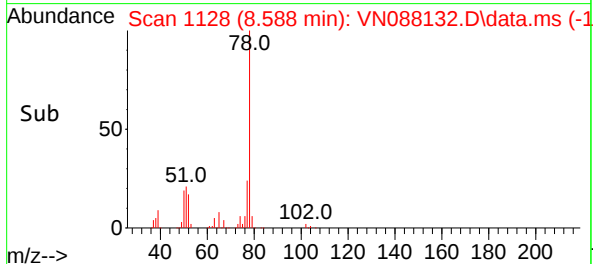
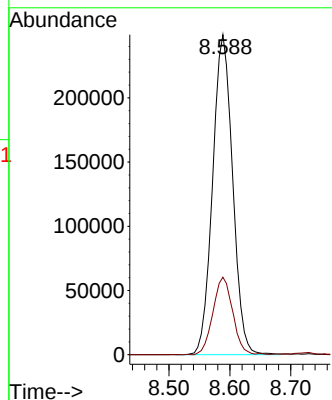
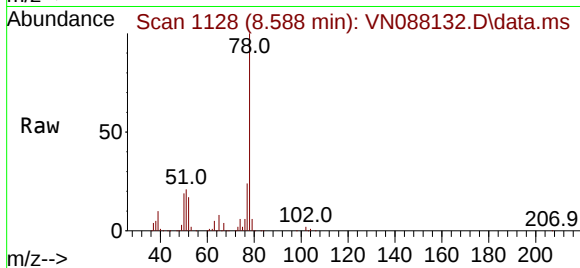




#40
Benzene
Concen: 35.707 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

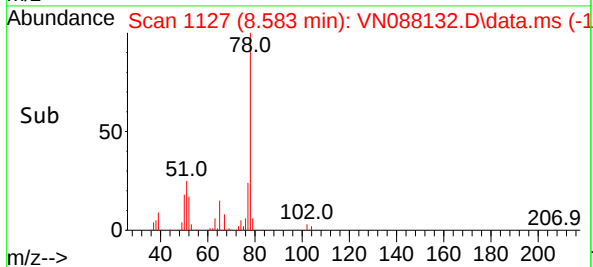
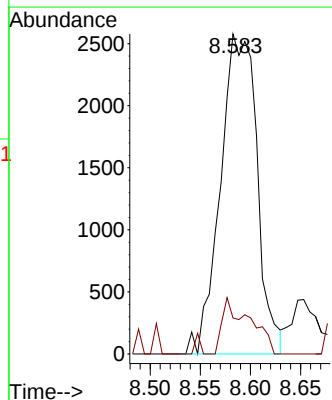
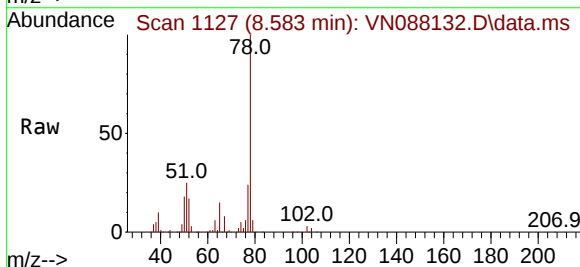
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

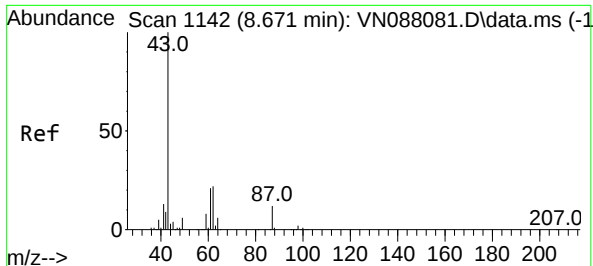
Tgt Ion: 78 Resp: 568660
Ion Ratio Lower Upper
78 100
77 24.2 19.7 29.5



#42
1,2-Dichloroethane
Concen: 1.156 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.071 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 62 Resp: 6543
Ion Ratio Lower Upper
62 100
98 13.2 0.0 17.4





#43

Isopropyl Acetate

Concen: 0.413 ug/l

RT: 8.641 min Scan# 1137

Delta R.T. -0.029 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

TWP2DL

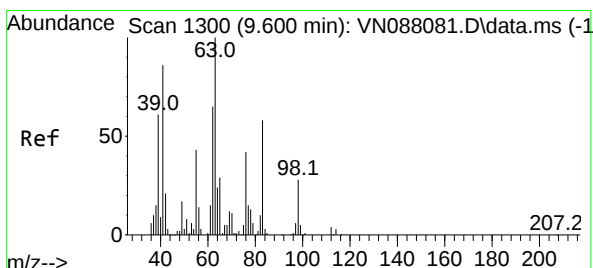
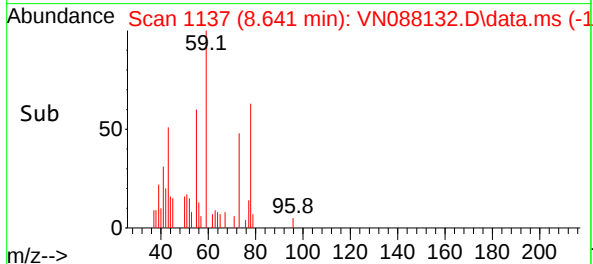
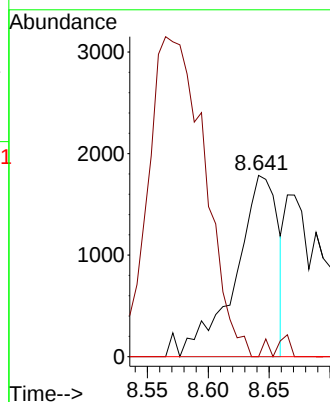
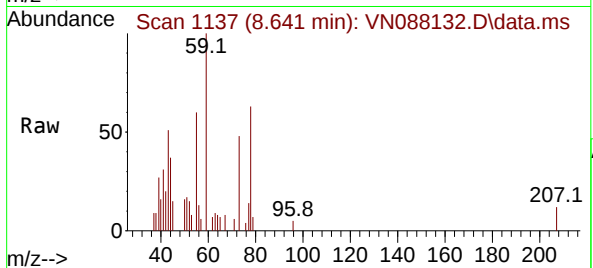
Tgt Ion: 43 Resp: 4282

Ion Ratio Lower Upper

43 100

61 0.0 18.8 28.2#

87 0.0 9.6 14.4#



#45

1,2-Dichloropropane

Concen: 0.365 ug/l

RT: 9.588 min Scan# 1298

Delta R.T. -0.012 min

Lab File: VN088132.D

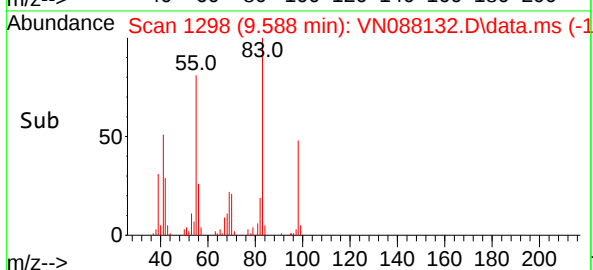
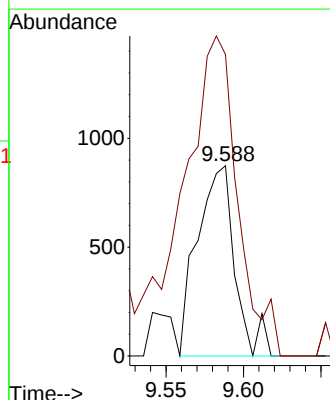
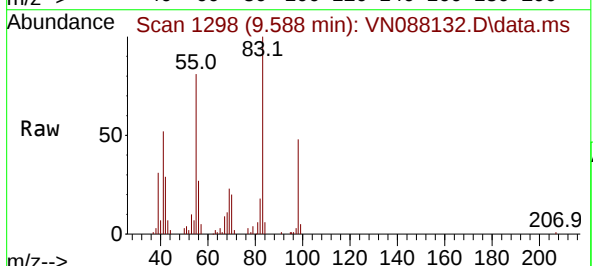
Acq: 28 Oct 2025 12:35

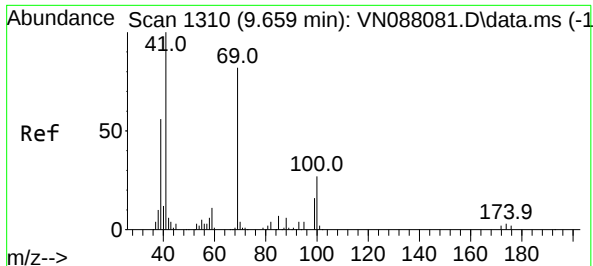
Tgt Ion: 63 Resp: 1469

Ion Ratio Lower Upper

63 100

65 158.5 25.0 37.4#





#48

Methyl methacrylate

Concen: 13.758 ug/l

RT: 9.582 min Scan# 1

Delta R.T. -0.082 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

TWP2DL

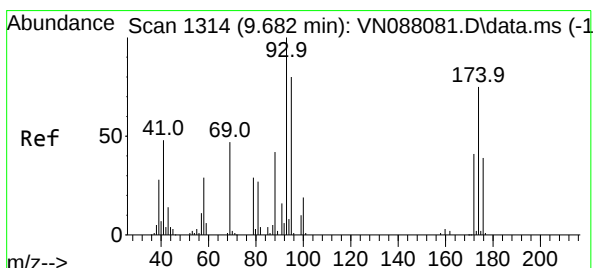
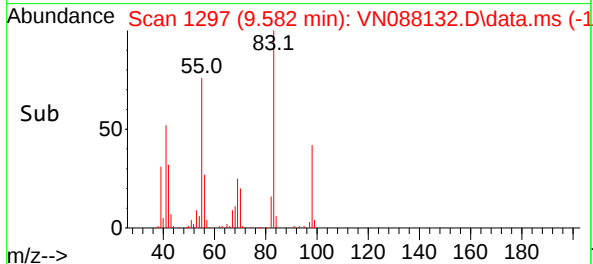
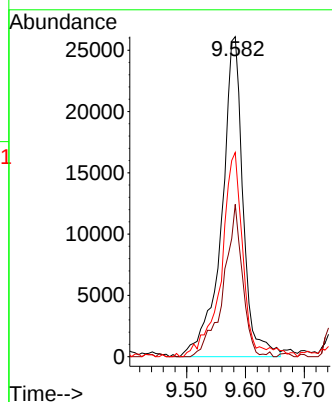
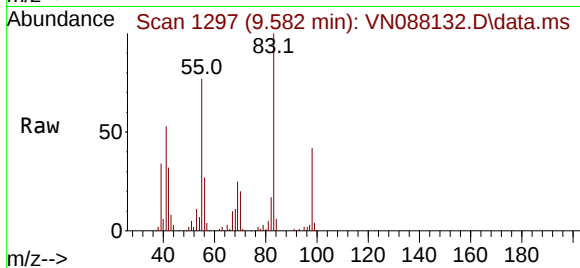
Tgt Ion: 41 Resp: 65865

Ion Ratio Lower Upper

41 100

69 42.3 62.7 94.1#

39 63.4 52.9 79.3



#49

1,4-Dioxane

Concen: 3.141 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.006 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

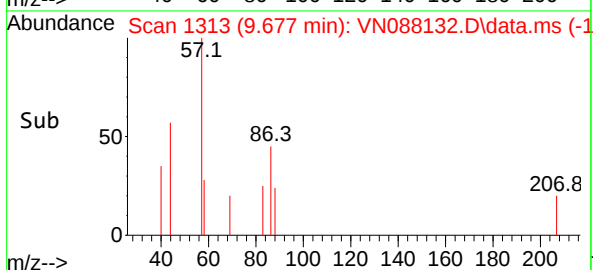
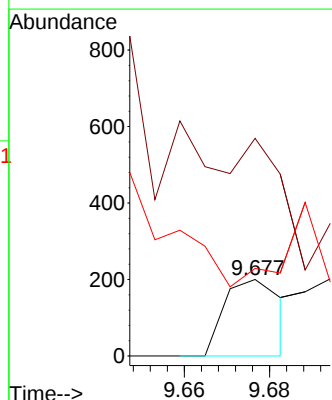
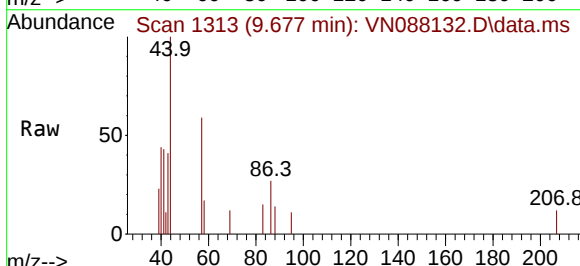
Tgt Ion: 88 Resp: 187

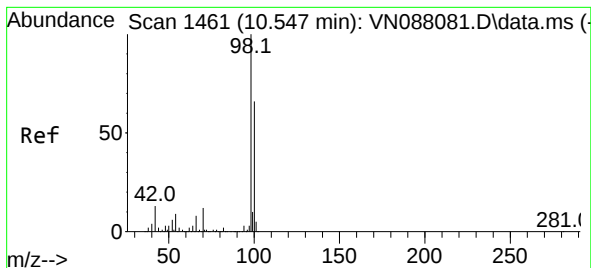
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 112.3 57.9 86.9#

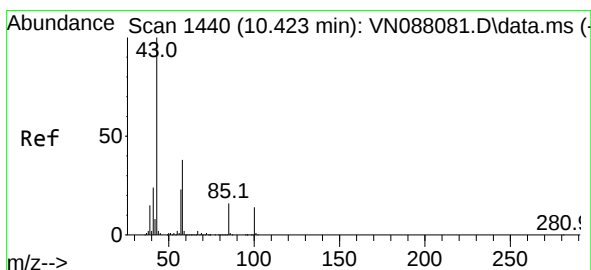
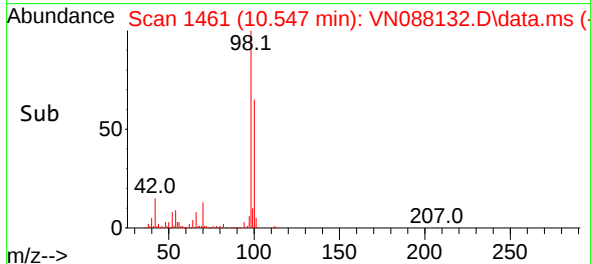
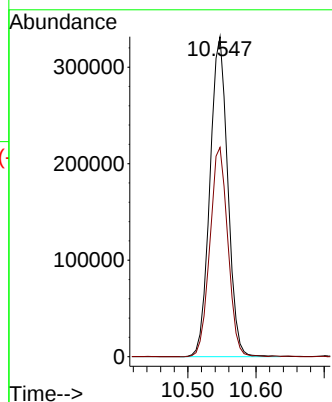
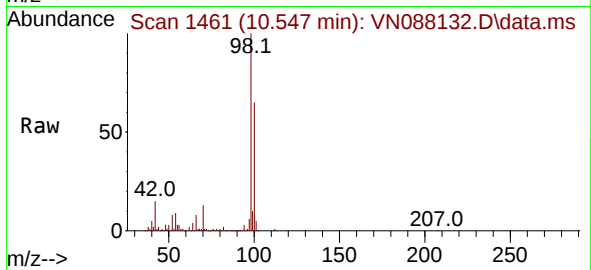




#50
Toluene-d8
Concen: 43.759 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

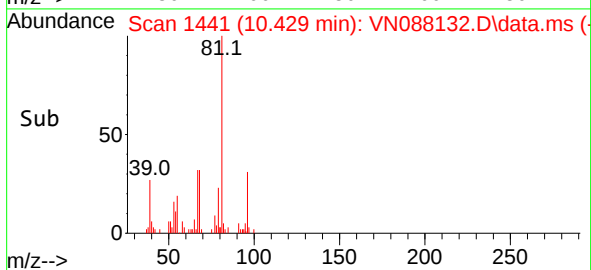
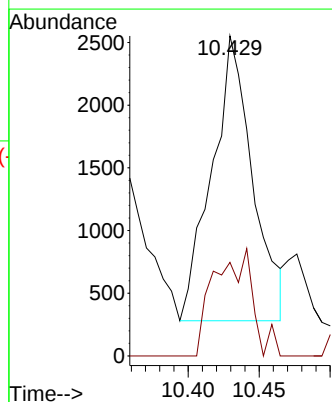
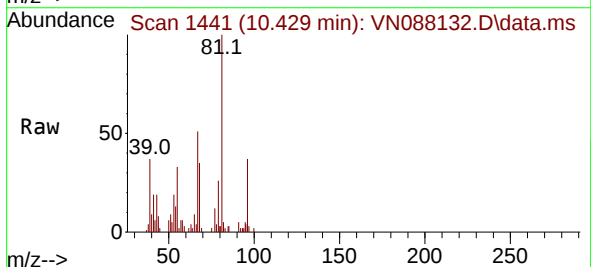
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

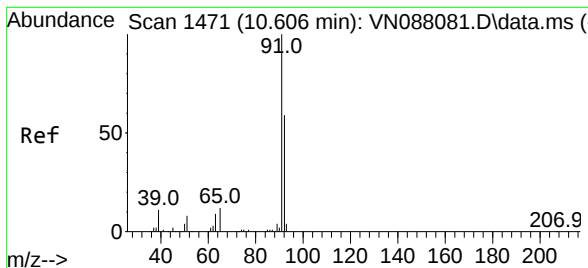
Tgt Ion: 98 Resp: 603883
Ion Ratio Lower Upper
98 100
100 65.8 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.742 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 43 Resp: 4552
Ion Ratio Lower Upper
43 100
58 35.5 29.6 44.4





#52

Toluene

Concen: 8.620 ug/l

RT: 10.606 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

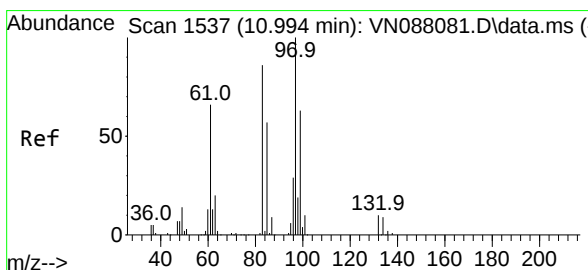
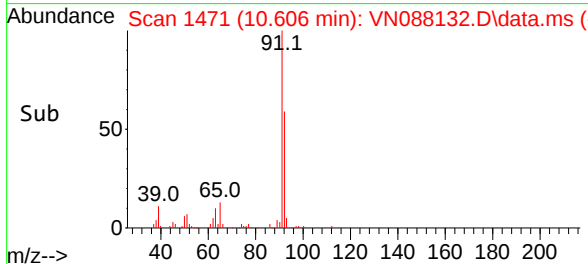
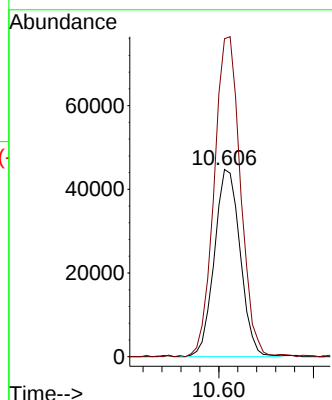
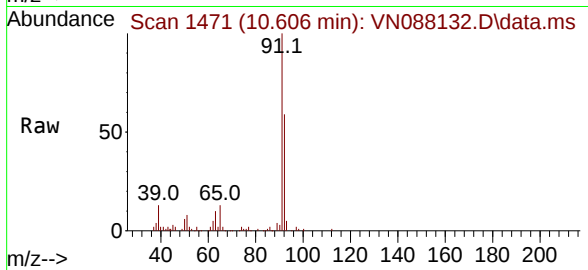
TWP2DL

Tgt Ion: 92 Resp: 84641

Ion Ratio Lower Upper

92 100

91 174.0 140.4 210.6



#55

1,1,2-Trichloroethane

Concen: 2.636 ug/l

RT: 10.982 min Scan# 1535

Delta R.T. -0.012 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Tgt Ion: 97 Resp: 9819

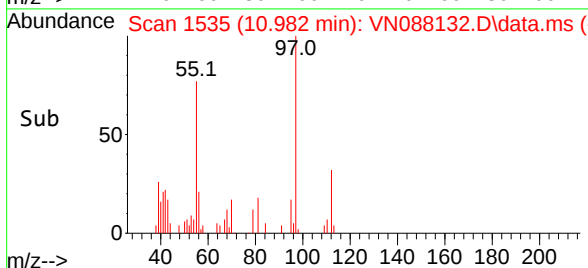
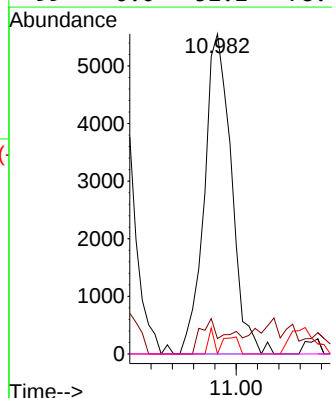
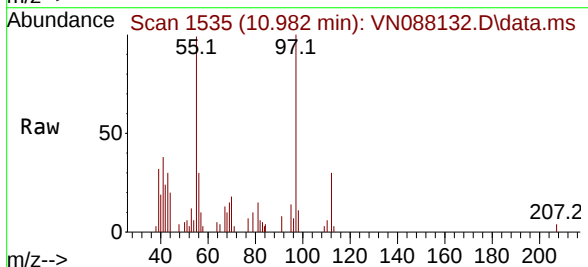
Ion Ratio Lower Upper

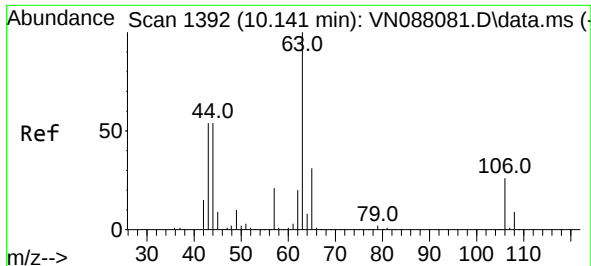
97 100

83 4.8 68.2 102.4#

85 0.0 45.5 68.3#

99 0.0 52.2 78.4#

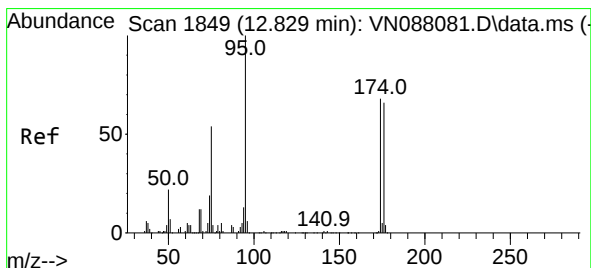
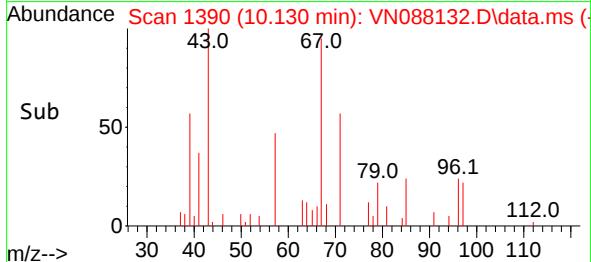
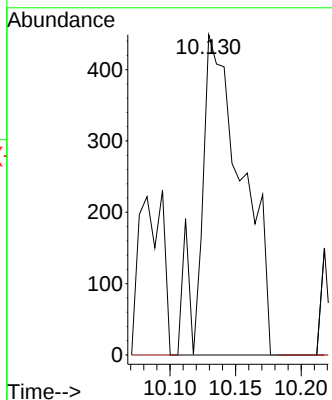
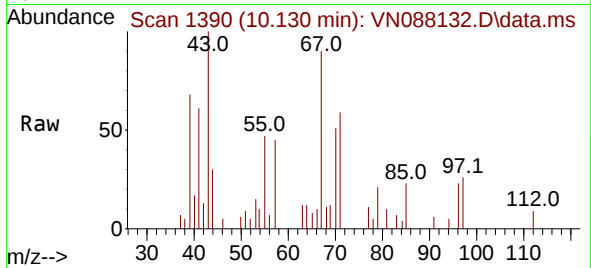




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.321 ug/l
 RT: 10.130 min Scan# 1390
 Delta R.T. -0.012 min
 Lab File: VN088132.D
 Acq: 28 Oct 2025 12:35

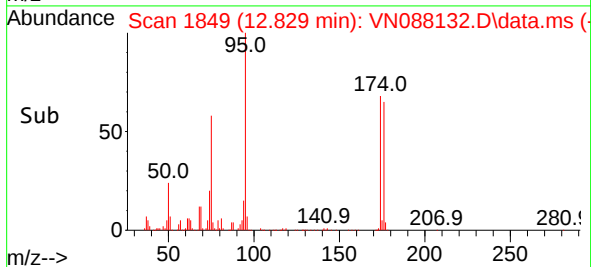
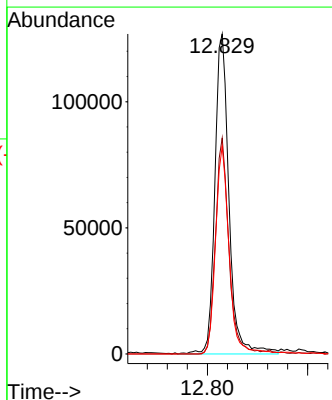
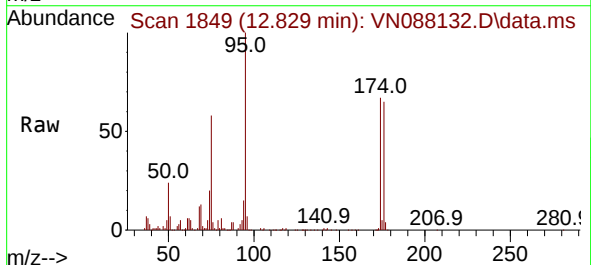
Instrument :
 MSVOA_N
 ClientSampleId :
 TWP2DL

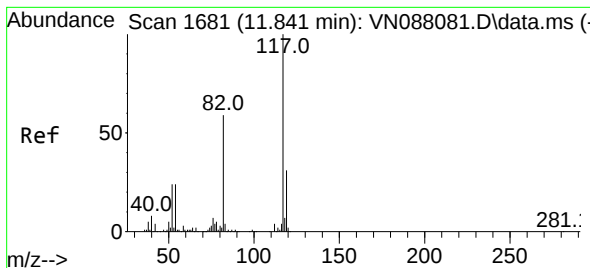
Tgt Ion: 63 Resp: 985
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.1 31.7#



#62
 4-Bromofluorobenzene
 Concen: 50.805 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.006 min
 Lab File: VN088132.D
 Acq: 28 Oct 2025 12:35

Tgt Ion: 95 Resp: 247606
 Ion Ratio Lower Upper
 95 100
 174 63.9 0.0 138.4
 176 62.4 0.0 132.6

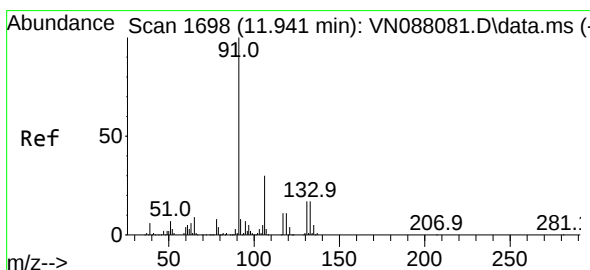
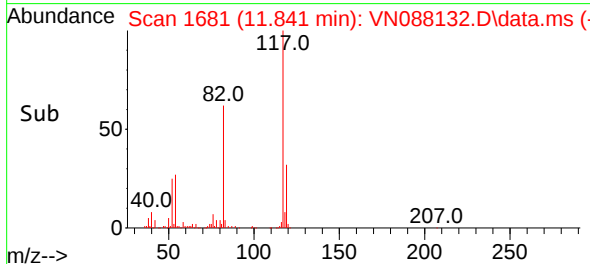
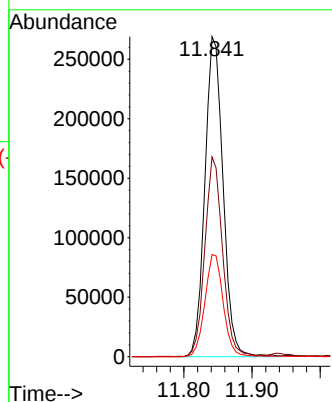
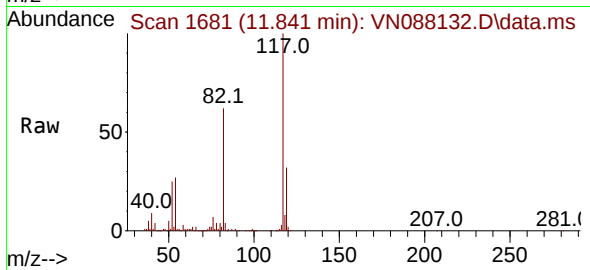




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

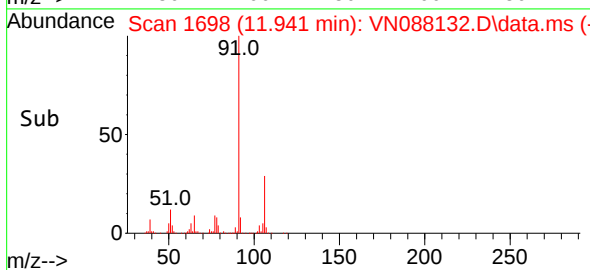
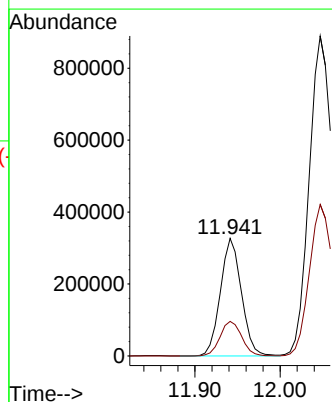
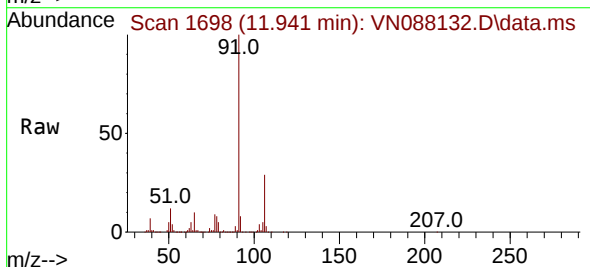
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

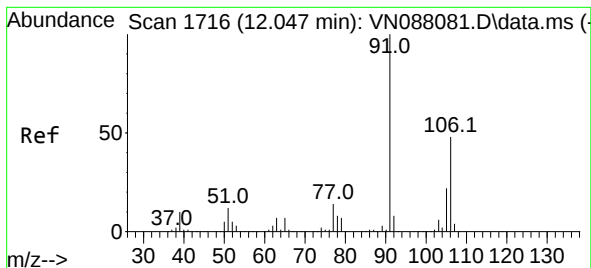
Tgt Ion:117 Resp: 499340
Ion Ratio Lower Upper
117 100
82 62.2 47.4 71.2
119 31.9 24.3 36.5



#67
Ethyl Benzene
Concen: 28.130 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 91 Resp: 559854
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1

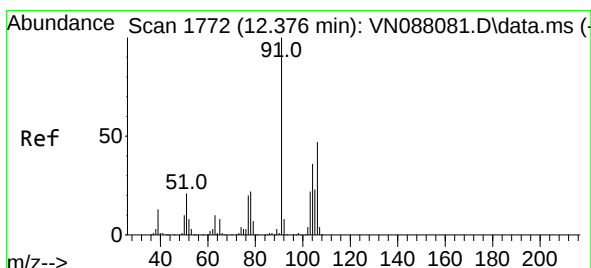
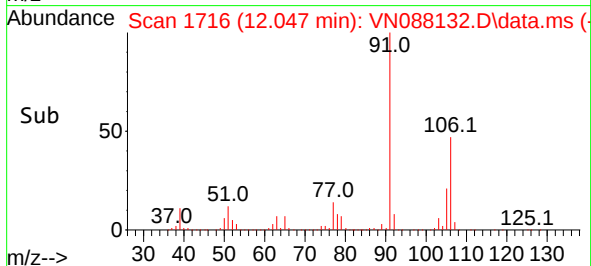
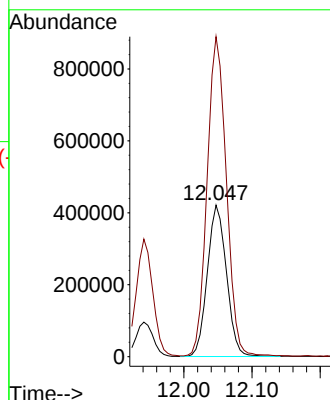
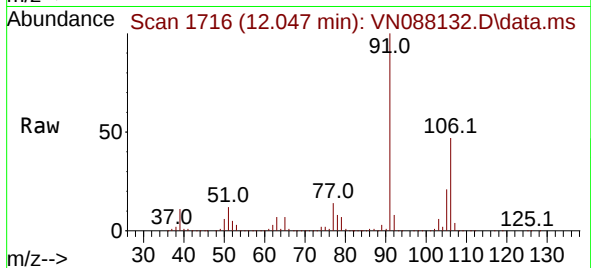




#68
m/p-Xylenes
Concen: 110.239 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

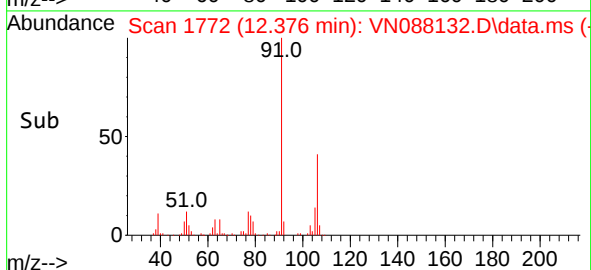
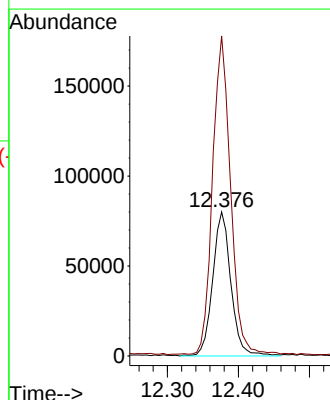
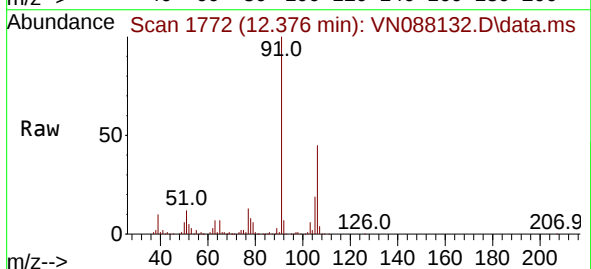
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

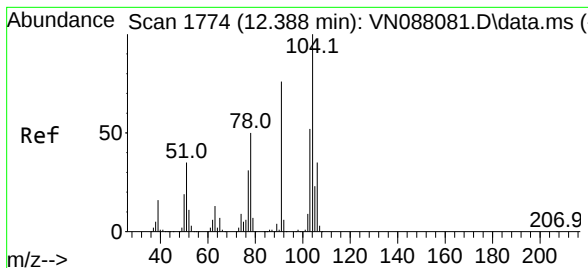
Tgt Ion:106 Resp: 822064
Ion Ratio Lower Upper
106 100
91 212.0 169.3 253.9



#69
o-Xylene
Concen: 20.177 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion:106 Resp: 142636
Ion Ratio Lower Upper
106 100
91 218.0 111.4 334.2





#70

Styrene

Concen: 0.735 ug/l

RT: 12.376 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

TWP2DL

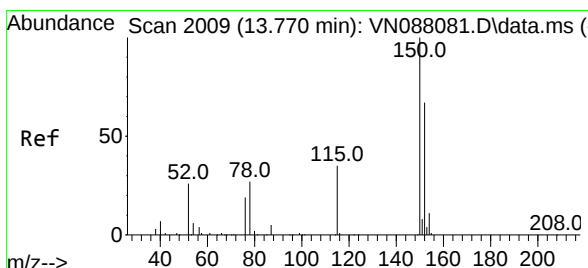
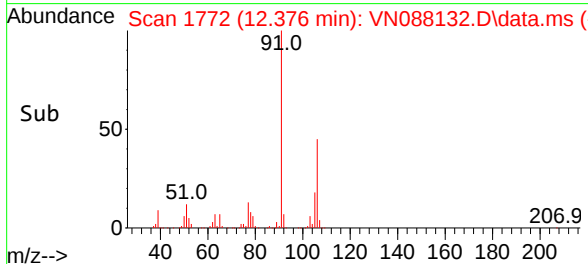
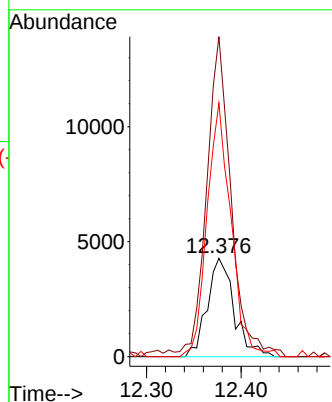
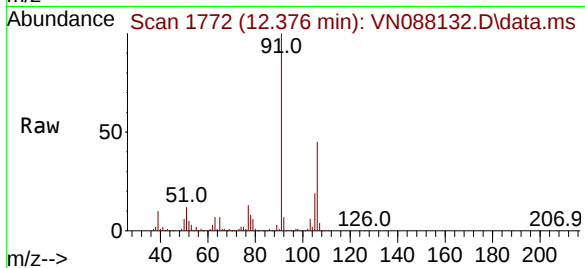
Tgt Ion:104 Resp: 8474

Ion Ratio Lower Upper

104 100

78 293.4 42.2 63.2#

103 229.6 43.4 65.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

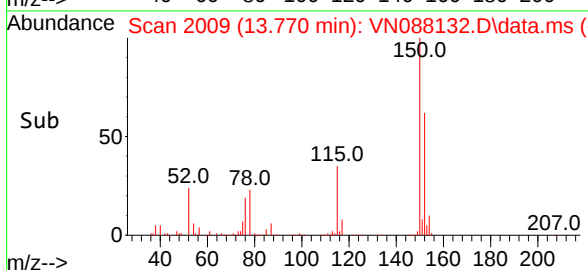
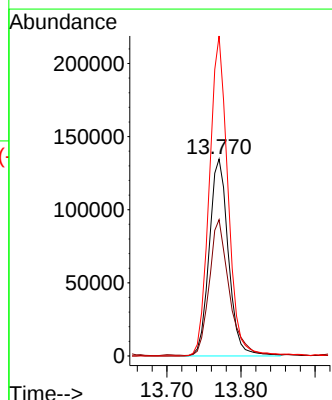
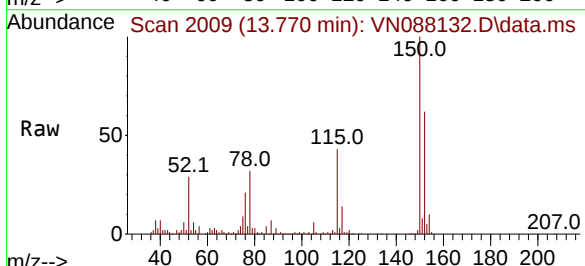
Tgt Ion:152 Resp: 241900

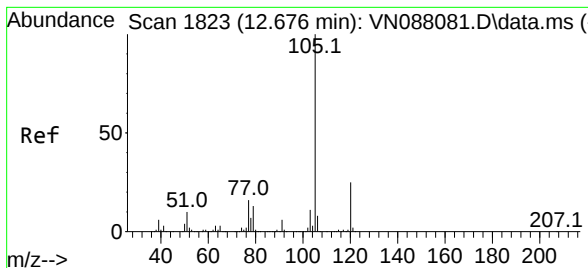
Ion Ratio Lower Upper

152 100

115 71.6 32.3 96.8

150 158.4 0.0 351.0





#73

Isopropylbenzene

Concen: 1.891 ug/l

RT: 12.676 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

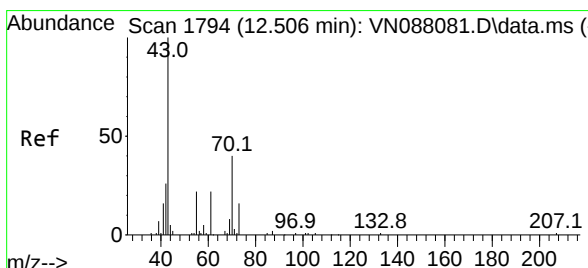
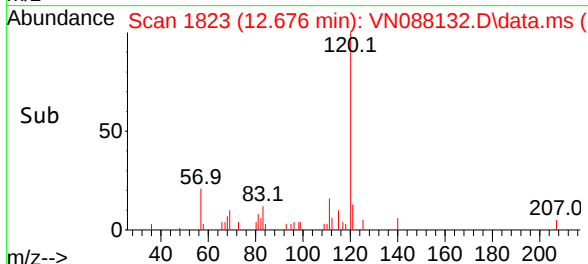
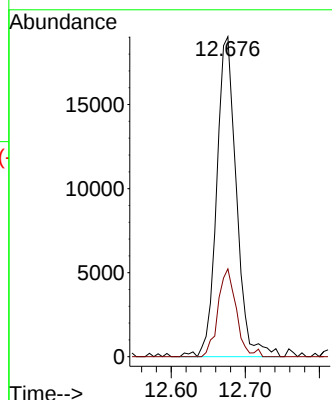
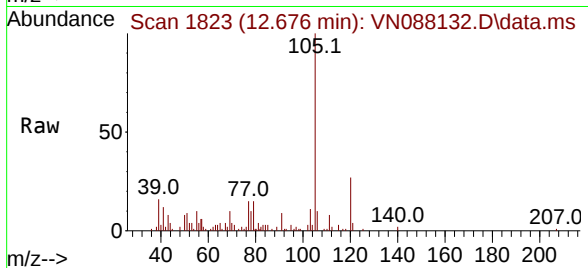
TWP2DL

Tgt Ion:105 Resp: 35288

Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.3



#74

N-ethyl acetate

Concen: 0.952 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.041 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Tgt Ion: 43 Resp: 5040

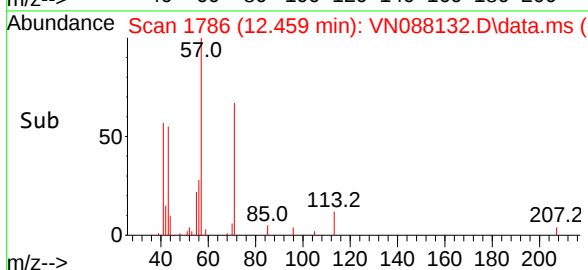
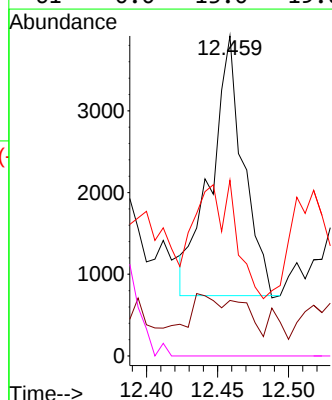
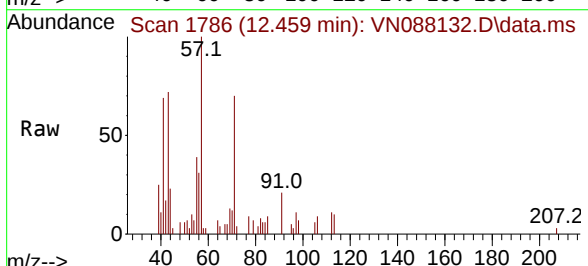
Ion Ratio Lower Upper

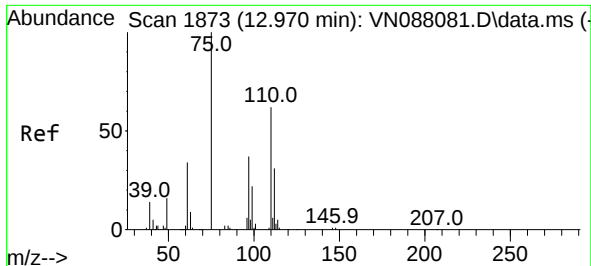
43 100

70 0.0 27.6 41.4#

55 55.5 13.0 19.6#

61 0.0 13.0 19.6#

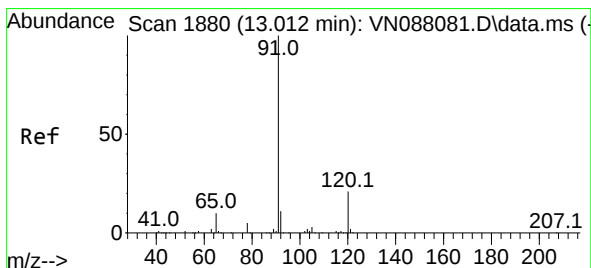
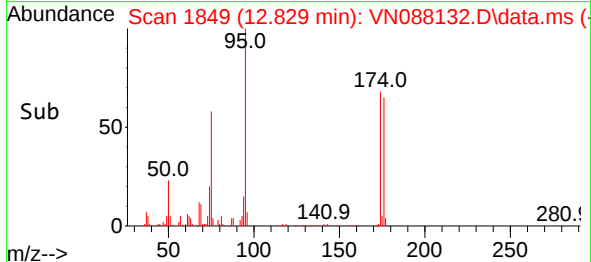
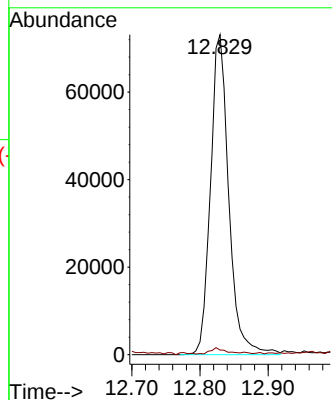
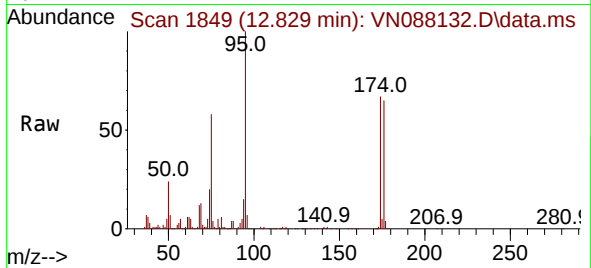




#76
1,2,3-Trichloropropane
Concen: 24.701 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

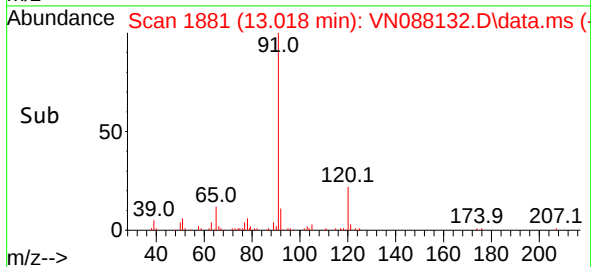
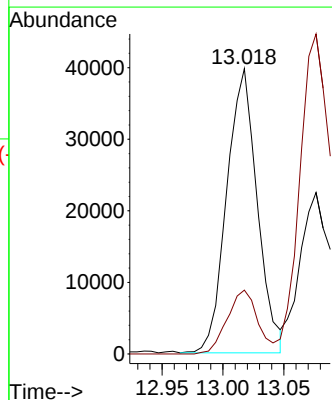
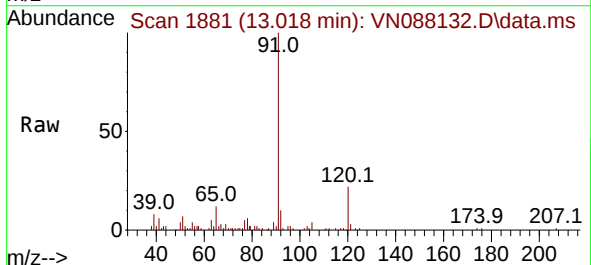
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

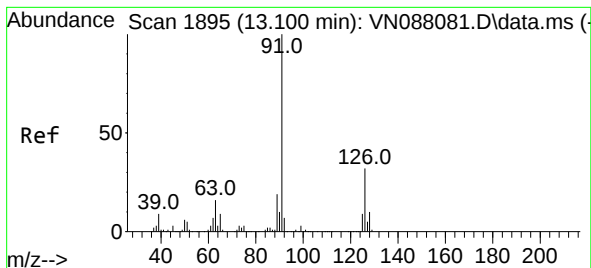
Tgt Ion: 75 Resp: 136613
Ion Ratio Lower Upper
75 100
77 1.6 89.1 267.4#



#78
n-propylbenzene
Concen: 3.042 ug/l
RT: 13.018 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 91 Resp: 69254
Ion Ratio Lower Upper
91 100
120 22.5 10.7 32.1





#79

2-Chlorotoluene

Concen: 2.225 ug/l

RT: 13.106 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

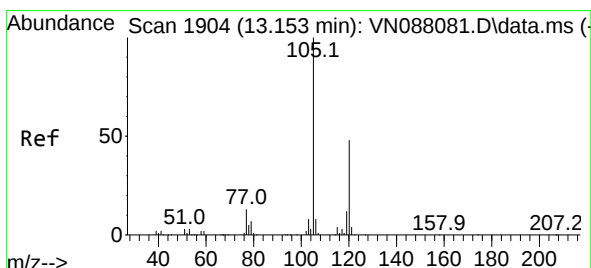
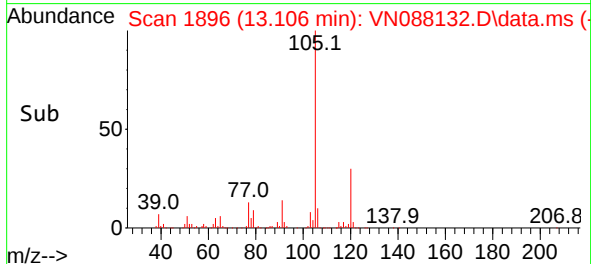
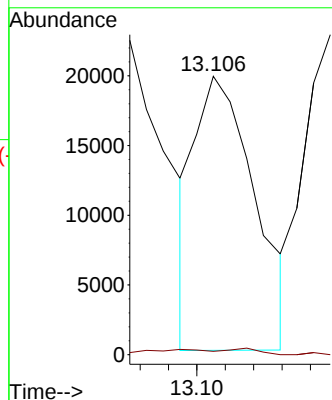
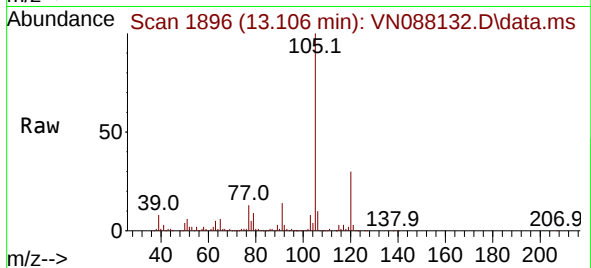
TWP2DL

Tgt Ion: 91 Resp: 28892

Ion Ratio Lower Upper

91 100

126 1.2 16.1 48.3#



#80

1,3,5-Trimethylbenzene

Concen: 22.096 ug/l

RT: 13.153 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VN088132.D

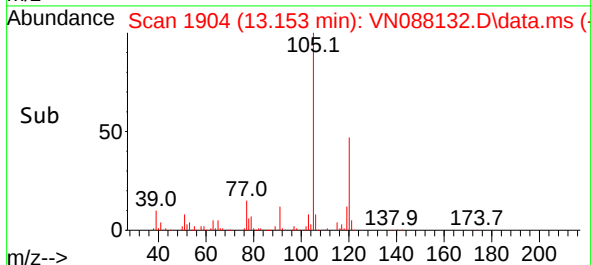
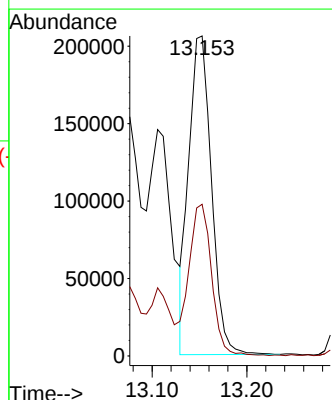
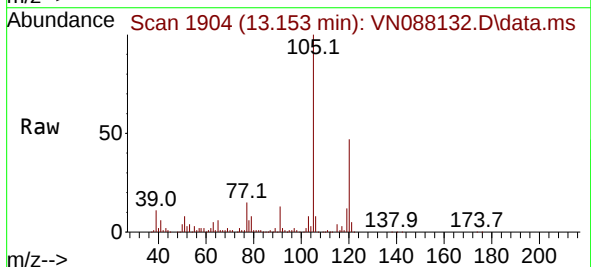
Acq: 28 Oct 2025 12:35

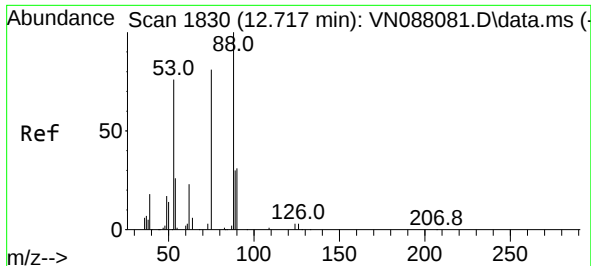
Tgt Ion: 105 Resp: 342380

Ion Ratio Lower Upper

105 100

120 48.7 23.2 69.6

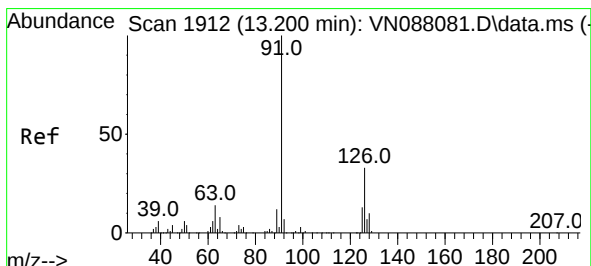
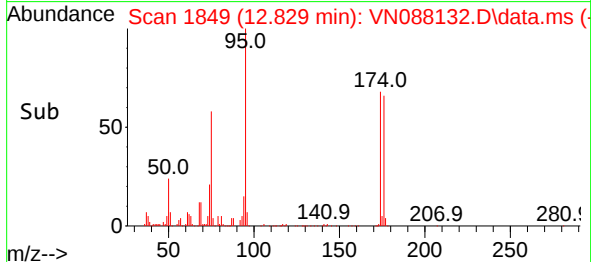
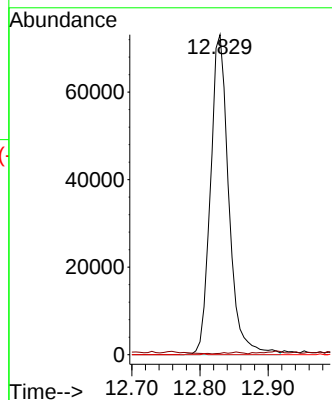
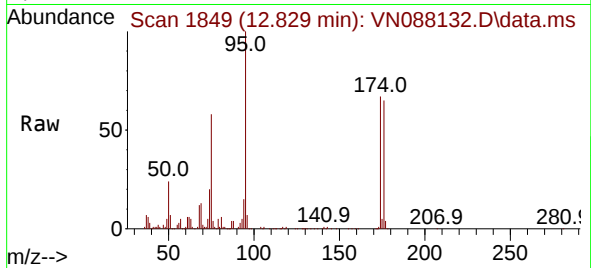




#81
trans-1,4-Dichloro-2-butene
Concen: 68.905 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

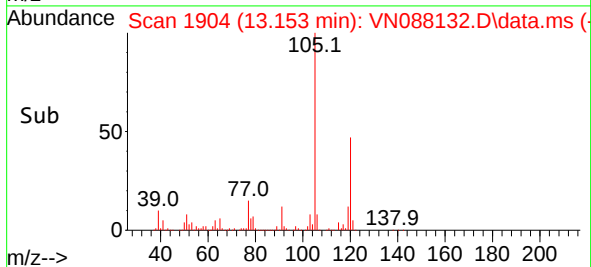
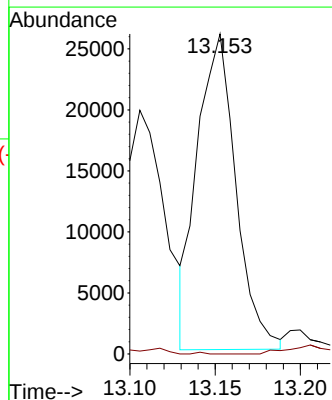
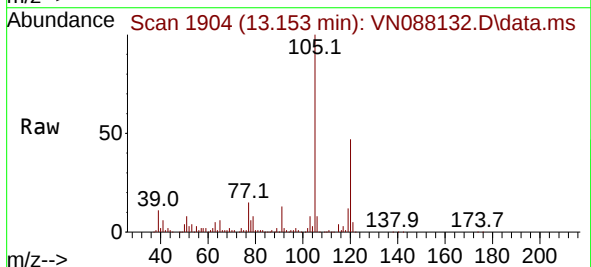
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

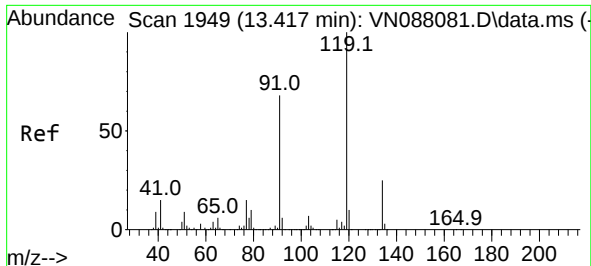
Tgt Ion: 75 Resp: 136613
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 35.6 53.4#



#82
4-Chlorotoluene
Concen: 2.893 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.047 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 91 Resp: 40641
Ion Ratio Lower Upper
91 100
126 0.1 15.6 46.8#

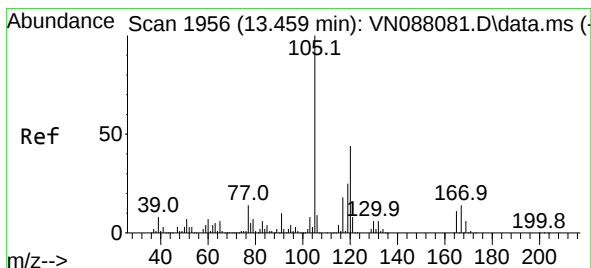
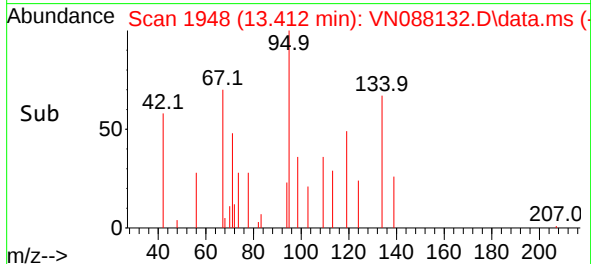
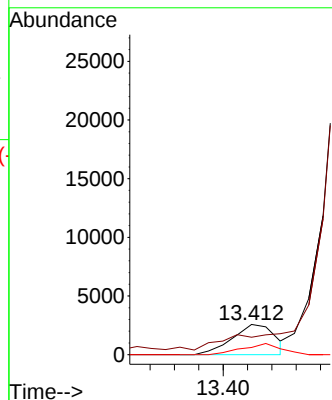
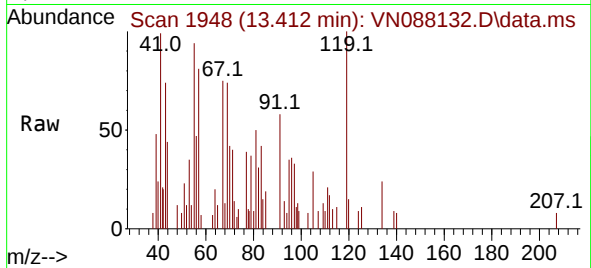




#83
 tert-Butylbenzene
 Concen: 0.228 ug/l
 RT: 13.412 min Scan# 1948
 Delta R.T. -0.006 min
 Lab File: VN088132.D
 Acq: 28 Oct 2025 12:35

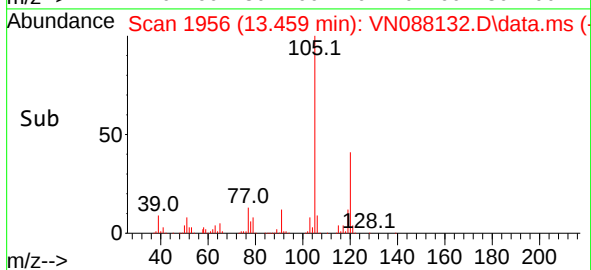
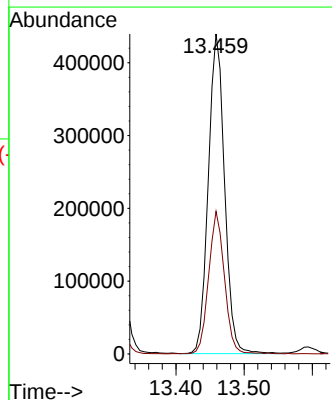
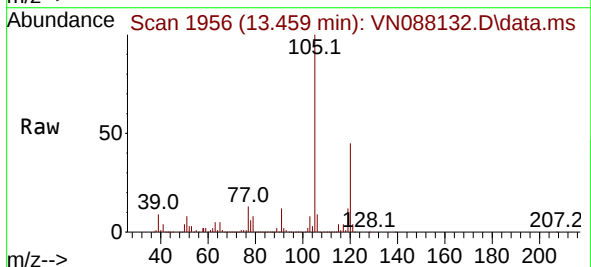
Instrument :
 MSVOA_N
 ClientSampleId :
 TWP2DL

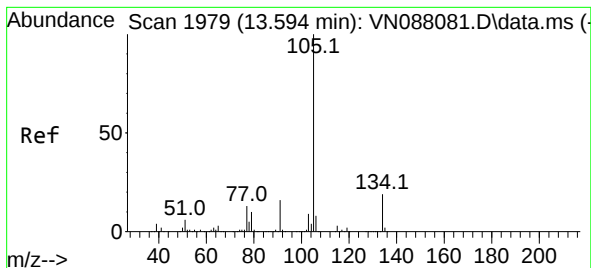
Tgt Ion:119 Resp: 3154
 Ion Ratio Lower Upper
 119 100
 91 0.0 35.0 105.0#
 134 33.2 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 46.979 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VN088132.D
 Acq: 28 Oct 2025 12:35

Tgt Ion:105 Resp: 728307
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 35.814 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.135 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

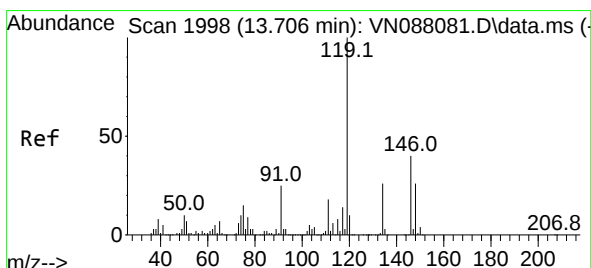
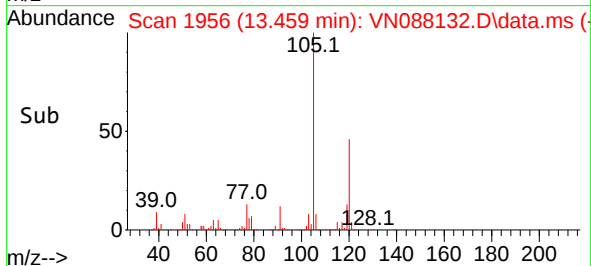
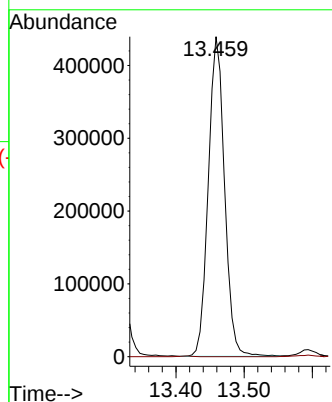
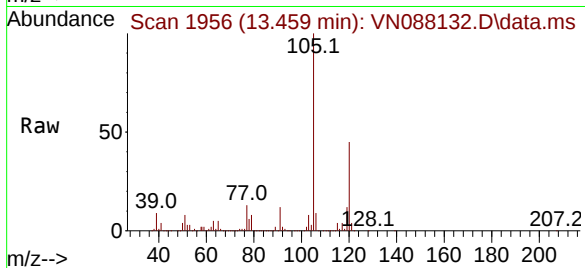
TWP2DL

Tgt Ion:105 Resp: 728307

Ion Ratio Lower Upper

105 100

134 0.0 9.6 28.6#



#86

p-Isopropyltoluene

Concen: 0.976 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. -0.000 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

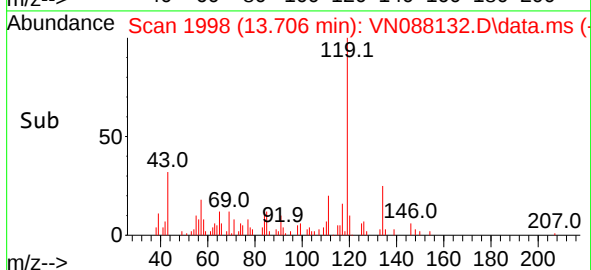
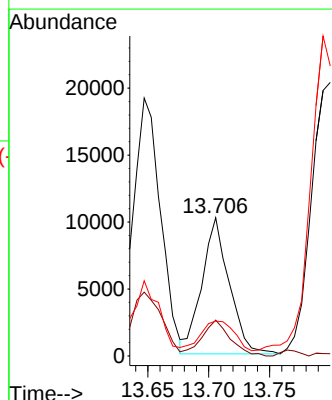
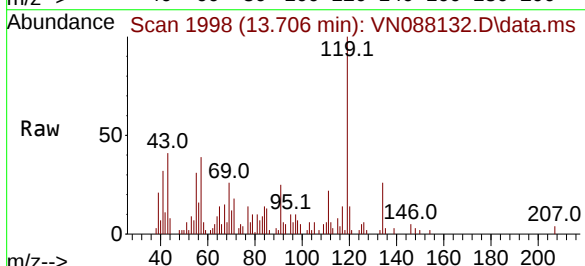
Tgt Ion:119 Resp: 15923

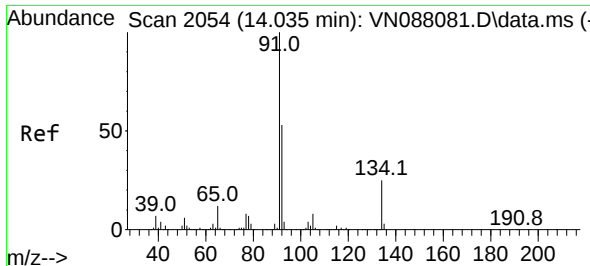
Ion Ratio Lower Upper

119 100

134 26.9 12.7 38.0

91 26.0 12.5 37.5

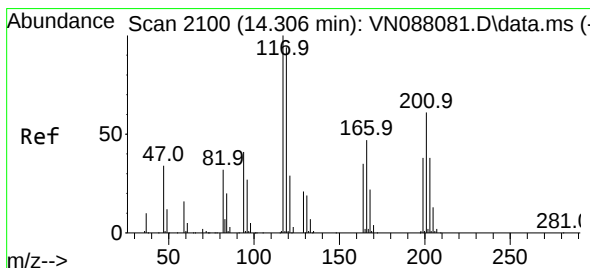
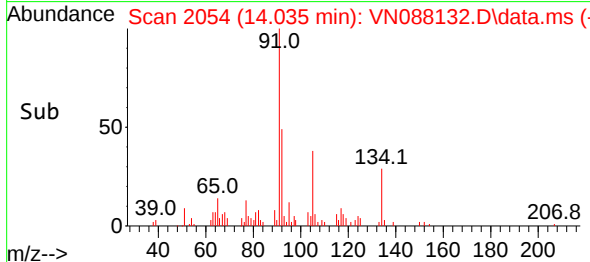
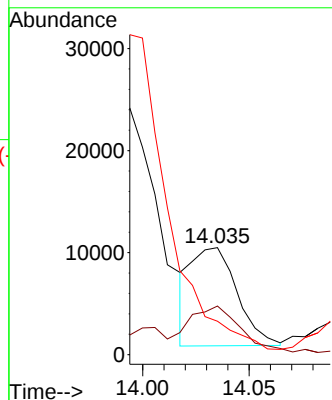
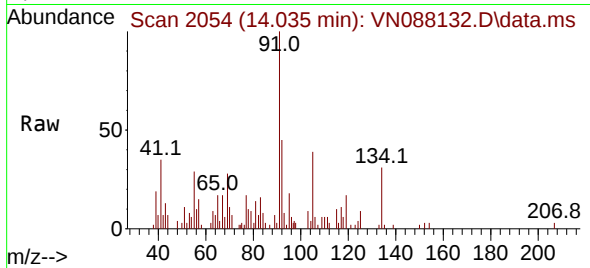




#89
n-Butylbenzene
Concen: 0.896 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

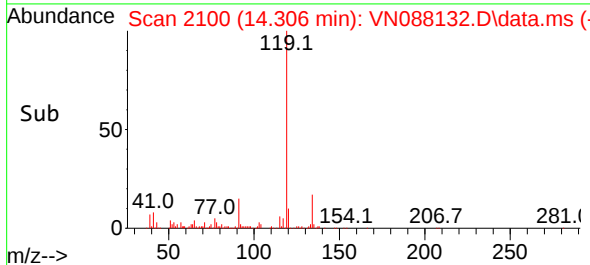
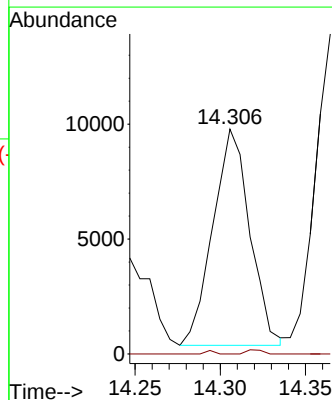
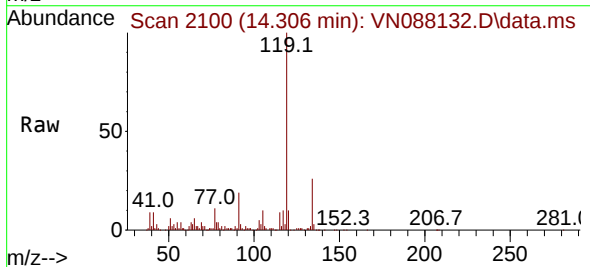
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

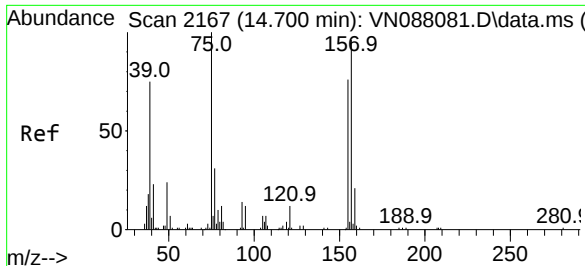
Tgt Ion: 91 Resp: 14485
Ion Ratio Lower Upper
91 100
92 56.8 25.9 77.8
134 0.0 11.7 35.0#



#90
Hexachloroethane
Concen: 4.490 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 117 Resp: 14184
Ion Ratio Lower Upper
117 100
201 0.4 29.1 87.4#

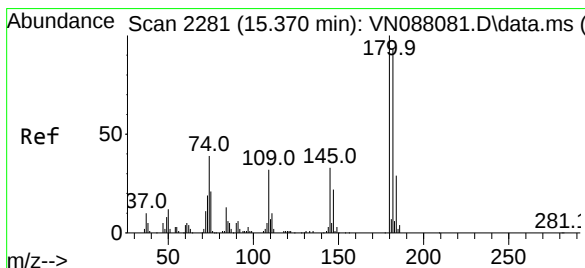
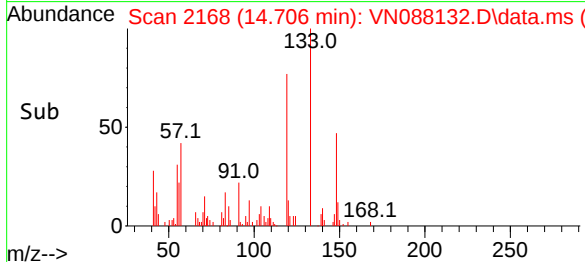
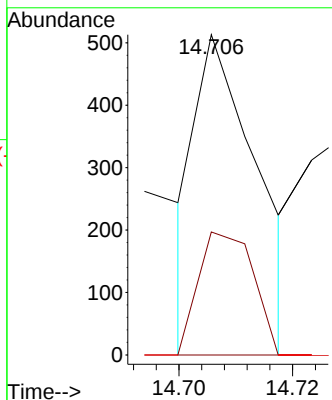
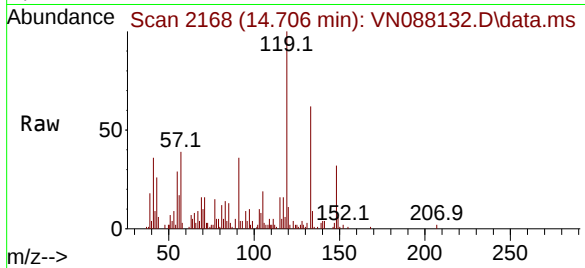




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.284 ug/l
 RT: 14.706 min Scan# 2167
 Delta R.T. 0.006 min
 Lab File: VN088132.D
 Acq: 28 Oct 2025 12:35

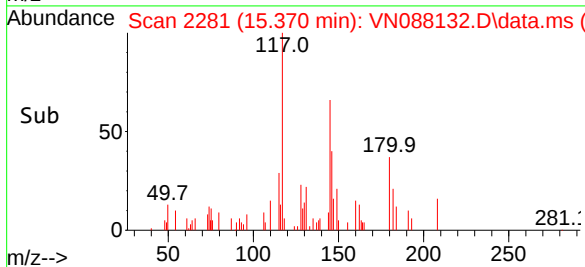
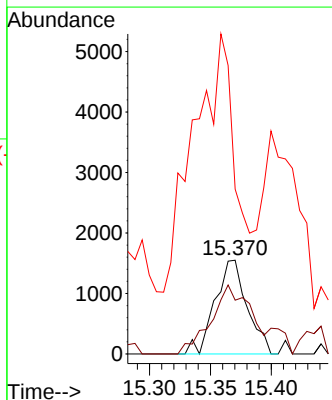
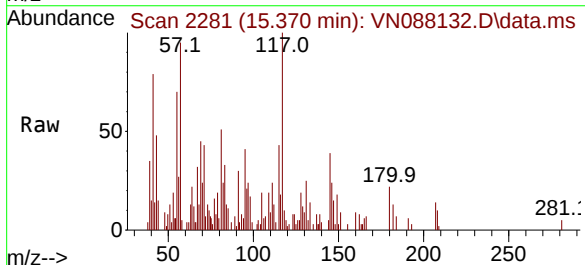
Instrument :
 MSVOA_N
 ClientSampleId :
 TWP2DL

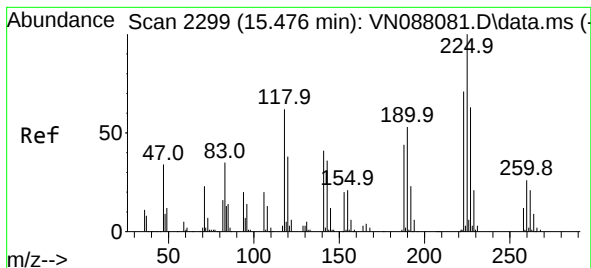
Tgt Ion: 75 Resp: 384
 Ion Ratio Lower Upper
 75 100
 155 34.4 36.6 109.9#
 157 0.0 45.6 136.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.606 ug/l
 RT: 15.370 min Scan# 2281
 Delta R.T. 0.006 min
 Lab File: VN088132.D
 Acq: 28 Oct 2025 12:35

Tgt Ion: 180 Resp: 2843
 Ion Ratio Lower Upper
 180 100
 182 89.5 47.6 142.9
 145 490.6 16.5 49.5#





#94

Hexachlorobutadiene

Concen: 0.309 ug/l

RT: 15.464 min Scan# 21

Delta R.T. -0.012 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

TWP2DL

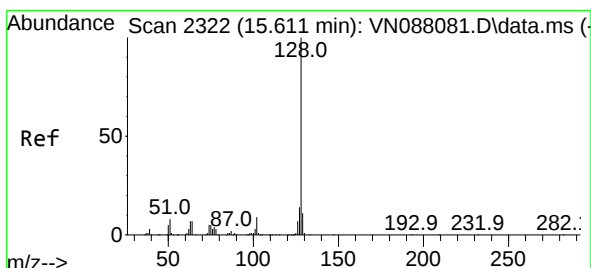
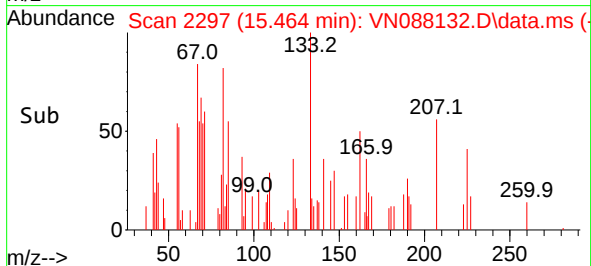
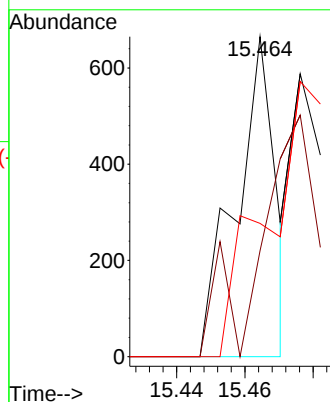
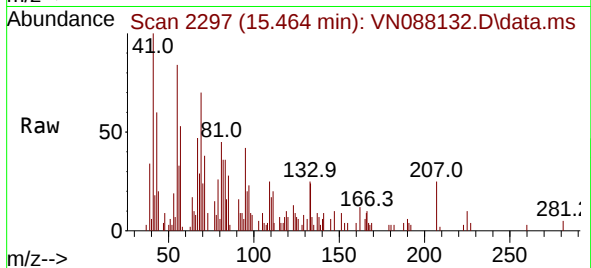
Tgt Ion:225 Resp: 539

Ion Ratio Lower Upper

225 100

223 131.4 32.0 96.2#

227 152.3 32.1 96.5#



#95

Naphthalene

Concen: 13.829 ug/l

RT: 15.611 min Scan# 2322

Delta R.T. -0.000 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

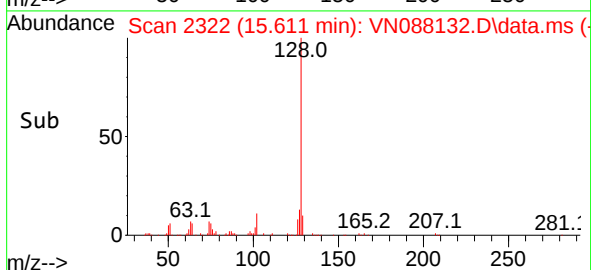
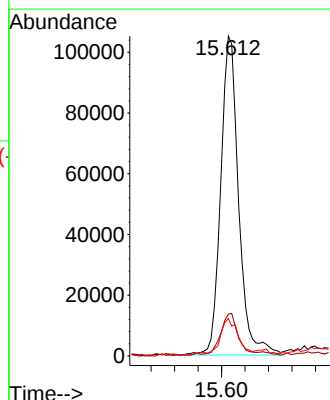
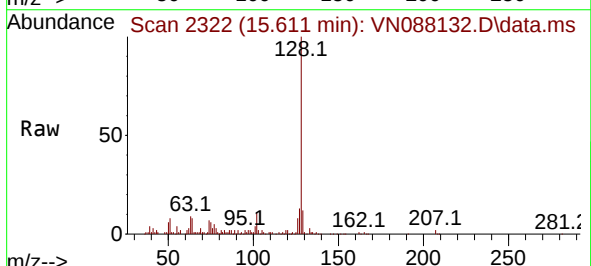
Tgt Ion:128 Resp: 222124

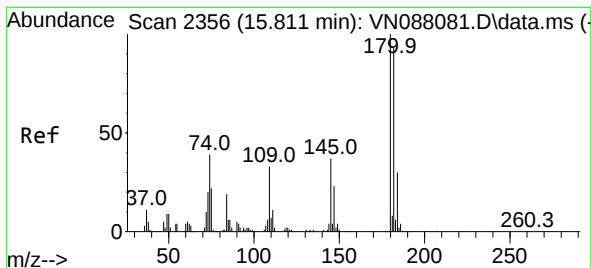
Ion Ratio Lower Upper

128 100

127 11.8 10.6 15.8

129 11.8 8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 0.742 ug/l

RT: 15.835 min Scan# 21

Delta R.T. 0.023 min

Lab File: VN088132.D

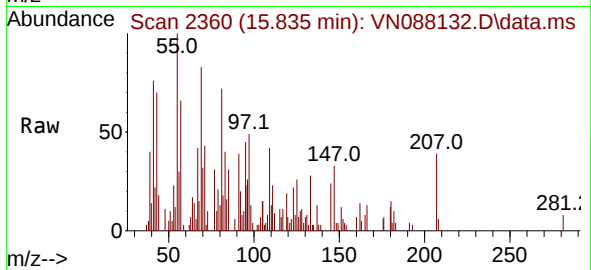
Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

TWP2DL



Tgt Ion:180 Resp: 3336

Ion Ratio Lower Upper

180 100

182 0.0 46.8 140.3#

145 0.0 17.3 52.0#

