

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
 Data File : VN085277.D
 Acq On : 20 Dec 2024 12:06
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 02:21:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 02:03:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	26884	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	134373	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	122041	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	73022	30.877	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.933%	
60) 4-Bromofluorobenzene	12.847	95	49215	24.895	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 83.000%	
63) Toluene-d8	10.565	98	168668	28.304	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 94.333%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	982	0.437	ug/l	95
3) Chloromethane	2.354	50	1186	0.523	ug/l	94
4) Vinyl Chloride	2.512	62	764	0.332	ug/l #	54
5) Bromomethane	2.965	94	1977	1.468	ug/l	98
6) Chloroethane	3.112	64	295	0.203	ug/l #	47
7) Trichlorofluoromethane	3.495	101	761	0.240	ug/l #	70
9) 1,1,2-Trichlorotrifluo...	4.371	101	570	0.314	ug/l	48
10) 1,1-Dichloroethene	4.336	96	393	0.237	ug/l #	47
11) Methyl Iodide	4.589	142	2373	1.192	ug/l	79
13) Acrolein	4.183	56	216	0.976	ug/l #	14
14) Acrylonitrile	5.724	53	1000	1.042	ug/l	88
16) Carbon Disulfide	4.706	76	9986	1.978	ug/l	99
19) trans-1,2-Dichloroethene	5.789	96	707	0.409	ug/l #	73
30) 2-Butanone	7.494	43	919	0.746	ug/l #	57
34) Benzene	8.612	78	1477	0.200	ug/l #	11
35) Methacrylonitrile	7.847	41	311	0.228	ug/l #	1
36) 1,2-Dichloroethane	8.665	62	578	0.217	ug/l #	77
37) Trichloroethene	9.347	130	916	0.565	ug/l #	41
38) Methylcyclohexane	9.600	83	924	0.383	ug/l #	78
43) Ethyl Acetate	7.494	43	919	0.361	ug/l	99
47) n-amyl Acetate	12.494	43	981	0.272	ug/l #	48
48) t-1,3-Dichloropropene	10.829	75	954	0.353	ug/l #	45
49) cis-1,3-Dichloropropene	10.312	75	597	0.206	ug/l #	91
54) 1,2-Dibromoethane	11.465	107	347	0.210	ug/l	84
55) 2-Chloroethyl vinyl ether	10.159	63	1331	0.999	ug/l #	67
58) 4-Methyl-2-Pentanone	10.447	43	1486	0.601	ug/l #	71
59) 2-Hexanone	11.200	43	1880	1.046	ug/l #	91
61) Tetrachloroethene	11.100	164	1017	0.746	ug/l #	81
62) Toluene	10.629	91	2178	0.290	ug/l	98
64) Chlorobenzene	11.888	112	2388	0.528	ug/l	97
66) Ethyl Benzene	11.965	91	2359	0.299	ug/l	94
67) m/p-Xylenes	12.071	106	1709	0.577	ug/l	76
68) o-Xylene	12.071	106	1709	0.606	ug/l	84
69) Styrene	12.412	104	1637	0.344	ug/l	88
70) Isopropylbenzene	12.700	105	1731	0.245	ug/l	90
71) 1,1,2,2-Tetrachloroethane	12.935	83	744	0.296	ug/l #	72
72) 1,2,3-Trichloropropane	12.988	75	1129	0.528	ug/l	81
73) Bromobenzene	12.976	156	1087	0.622	ug/l	95
74) n-propylbenzene	13.035	91	4317	0.490	ug/l	92

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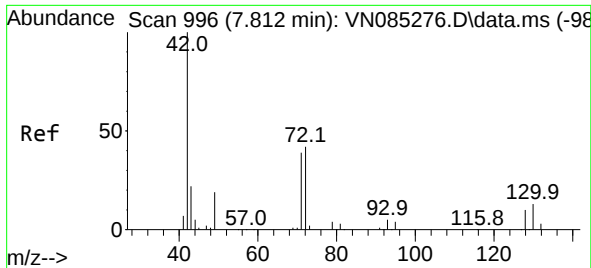
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

75) 2-Chlorotoluene	13.123	91	2703	0.509	ug/l	96
76) 1,3,5-Trimethylbenzene	13.170	105	2113	0.350	ug/l	93
77) t-1,4-Dichloro-2-butene	12.847	75	27594	31.597	ug/l #	6
78) 4-Chlorotoluene	13.218	91	3472	0.643	ug/l	97
79) tert-butylbenzene	13.435	119	1507	0.305	ug/l	76
80) 1,2,4-Trimethylbenzene	13.482	105	1931	0.321	ug/l	94
81) sec-Butylbenzene	13.618	105	4302	0.603	ug/l	89
82) p-Isopropyltoluene	13.723	119	3240	0.552	ug/l	90
83) 1,3-Dichlorobenzene	13.735	146	3168	0.971	ug/l	91
84) 1,4-Dichlorobenzene	13.812	146	3584	1.136	ug/l	93
85) n-Butylbenzene	14.053	91	6305	1.243	ug/l	92
86) Hexachloroethane	14.335	117	757	0.600	ug/l	85
87) 1,2-Dichlorobenzene	14.100	146	2834	0.915	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.712	75	704	1.536	ug/l #	56
89) 1,2,4-Trichlorobenzene	15.394	180	4453	3.033	ug/l	96
90) Hexachlorobutadiene	15.500	225	3769	5.151	ug/l	93
91) Naphthalene	15.635	128	17391	3.687	ug/l	98
92) 1,2,3-Trichlorobenzene	15.394	180	4453	3.033	ug/l	96

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

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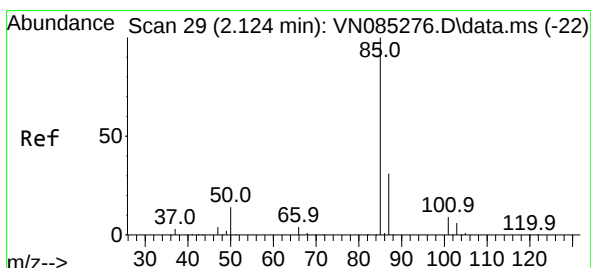
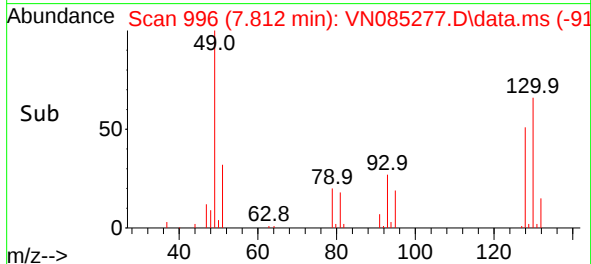
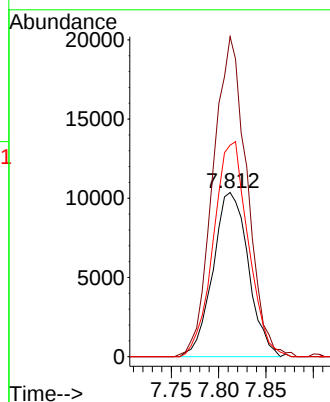
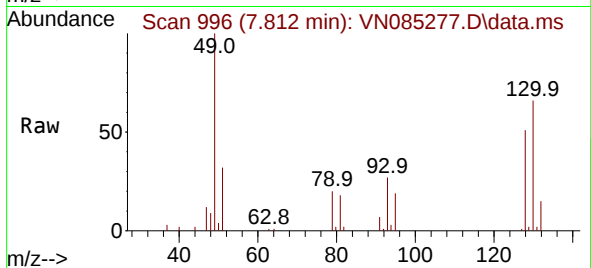




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

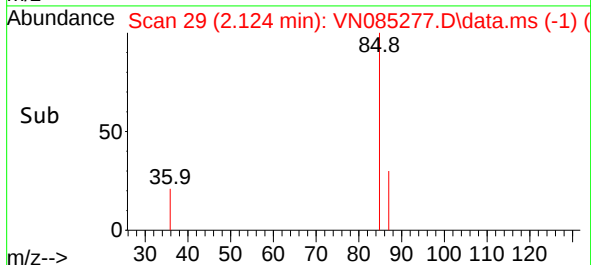
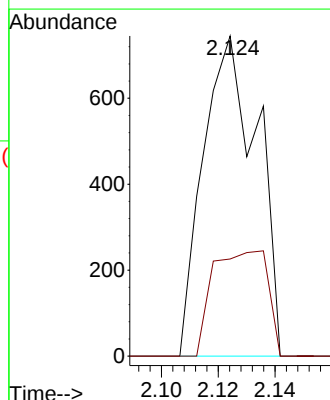
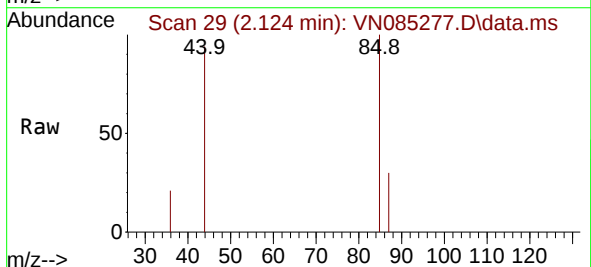
Instrument :
MSVOA_N
ClientSampleId :

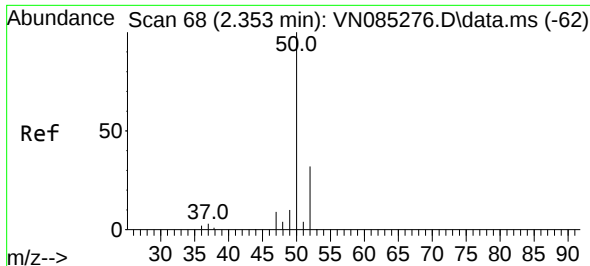
Tgt Ion:128 Resp: 26884
Ion Ratio Lower Upper
128 100
49 187.3 0.0 497.8
130 129.0 0.0 328.5



#2
Dichlorodifluoromethane
Concen: 0.437 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Tgt Ion: 85 Resp: 982
Ion Ratio Lower Upper
85 100
87 30.3 16.5 49.5

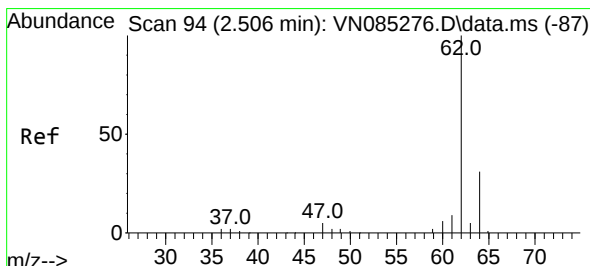
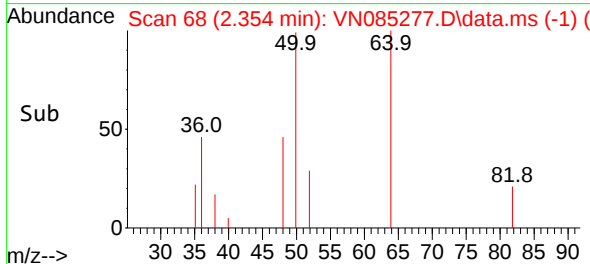
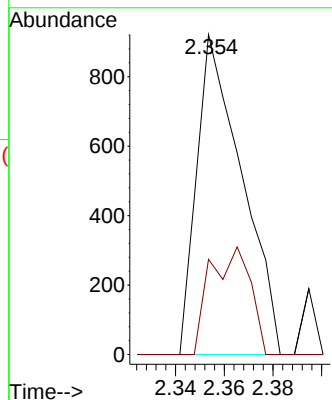
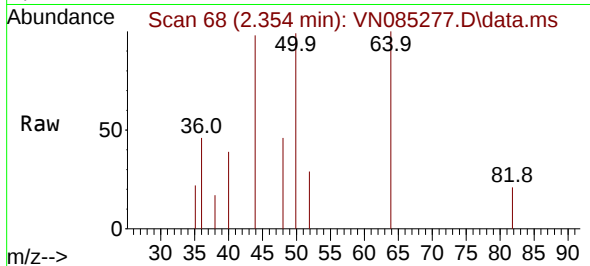




#3
Chloromethane
Concen: 0.523 ug/l
RT: 2.354 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

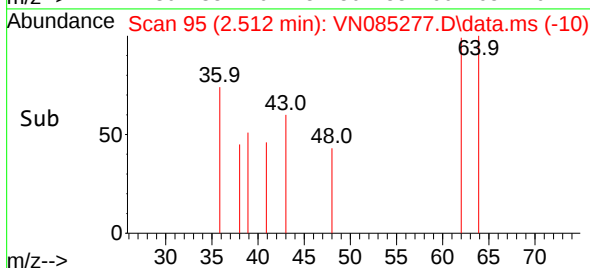
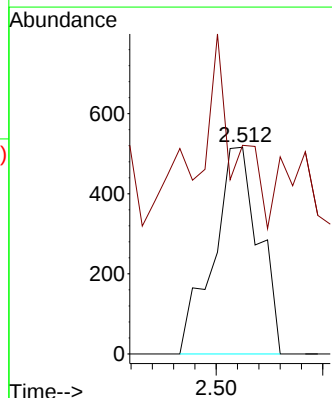
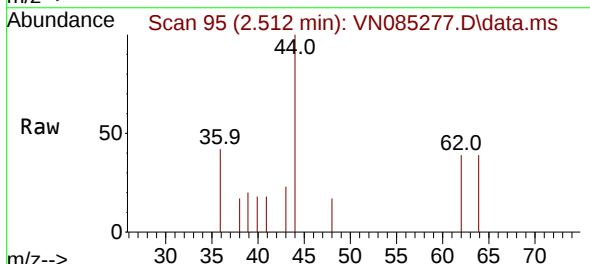
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MSVOA_N
ClientSampleId :

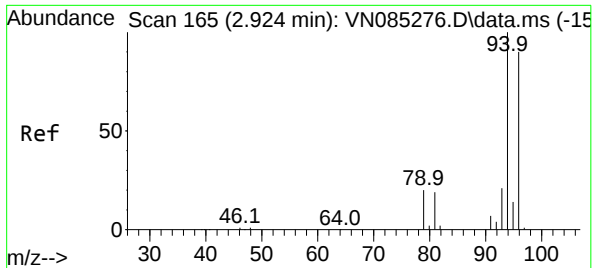
Tgt Ion: 50 Resp: 1186
Ion Ratio Lower Upper
50 100
52 29.8 26.5 39.7



#4
Vinyl Chloride
Concen: 0.332 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Tgt Ion: 62 Resp: 764
Ion Ratio Lower Upper
62 100
64 5.6 25.0 37.4#

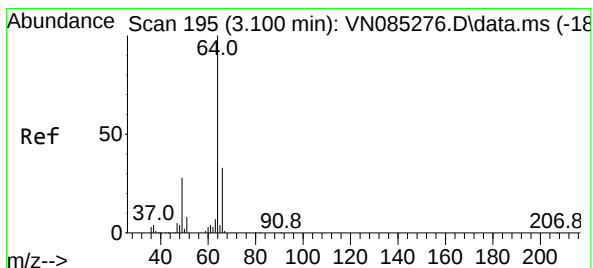
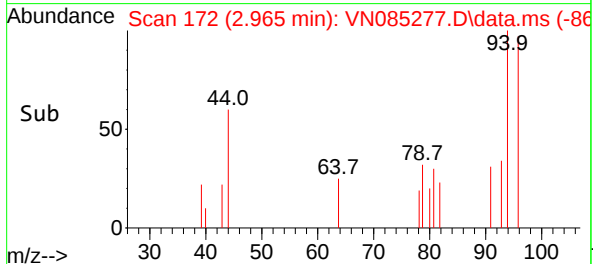
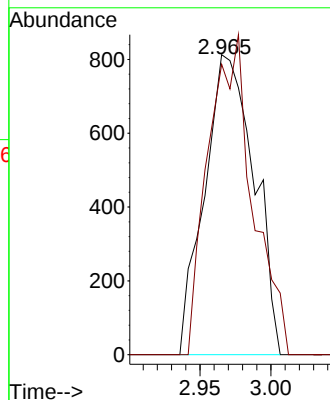
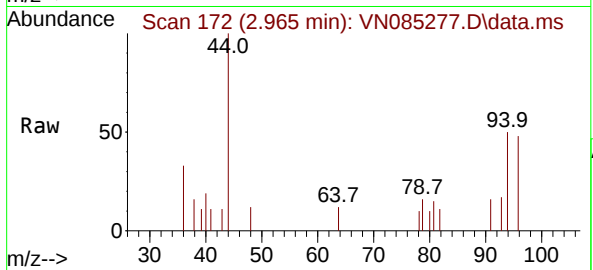




#5
Bromomethane
Concen: 1.468 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

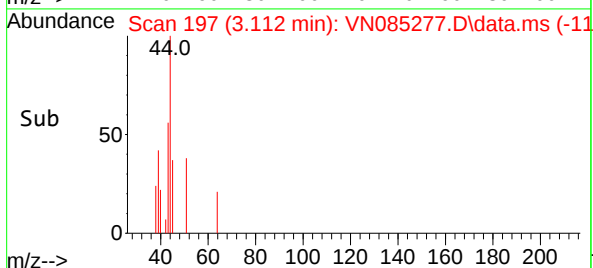
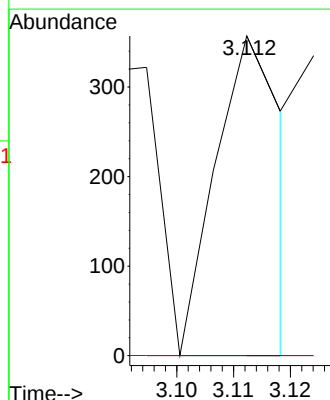
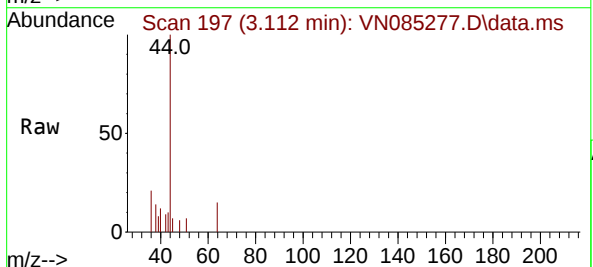
Instrument :
MSVOA_N
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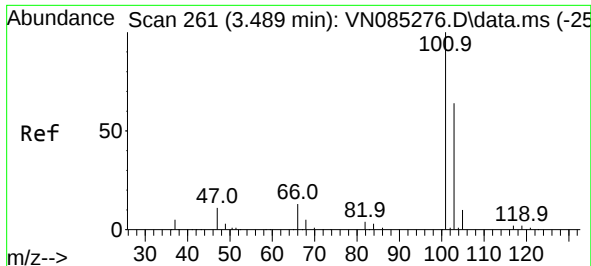
Tgt Ion: 94 Resp: 1977
Ion Ratio Lower Upper
94 100
96 96.8 75.6 113.4



#6
Chloroethane
Concen: 0.203 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Tgt Ion: 64 Resp: 295
Ion Ratio Lower Upper
64 100
66 0.0 22.2 33.4#

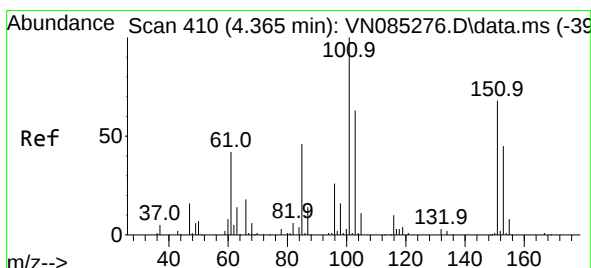
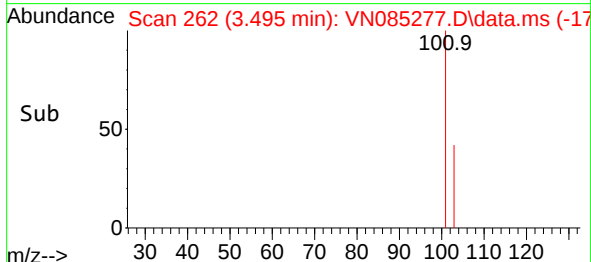
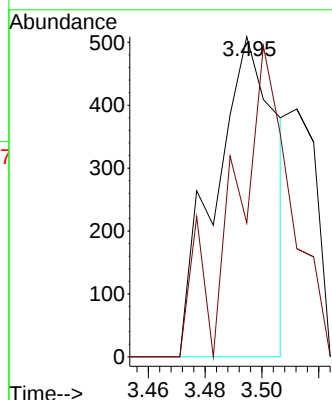
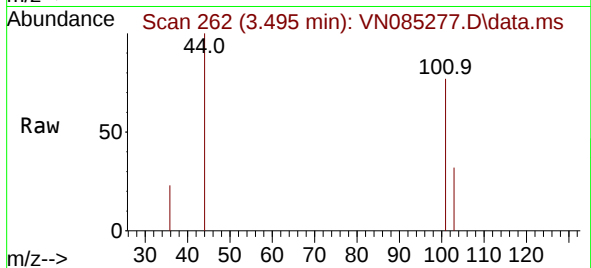




#7
 Trichlorofluoromethane
 Concen: 0.240 ug/l
 RT: 3.495 min Scan# 261
 Delta R.T. -0.006 min
 Lab File: VN085277.D
 Acq: 20 Dec 2024 12:06

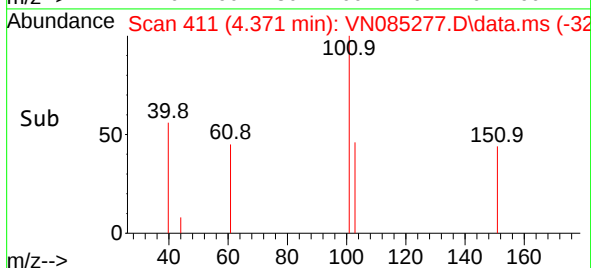
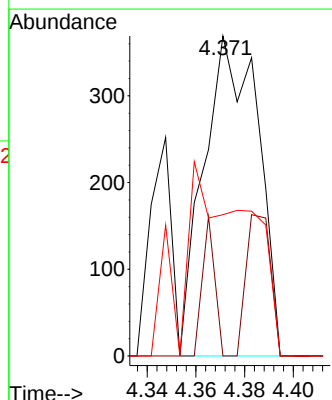
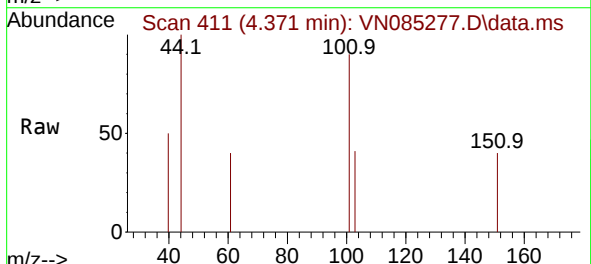
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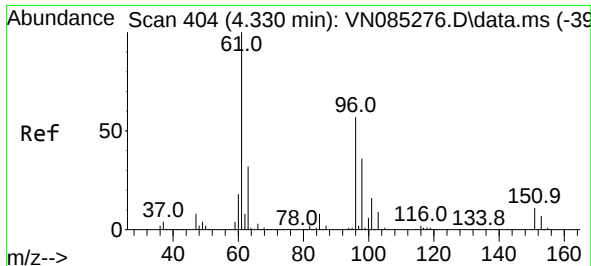
Tgt Ion:101 Resp: 761
 Ion Ratio Lower Upper
 101 100
 103 41.8 52.6 78.8#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.314 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VN085277.D
 Acq: 20 Dec 2024 12:06

Tgt Ion:101 Resp: 570
 Ion Ratio Lower Upper
 101 100
 85 20.0 0.0 96.6
 151 23.7 0.0 147.4





#10

1,1-Dichloroethene

Concen: 0.237 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.006 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

Instrument :

MSVOA_N

ClientSampleId :

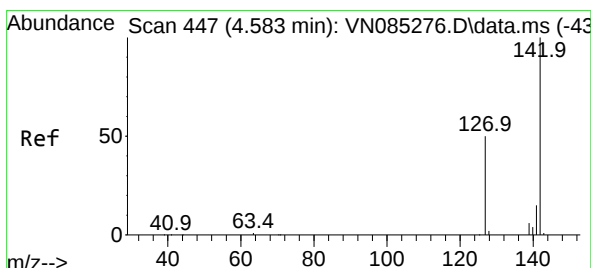
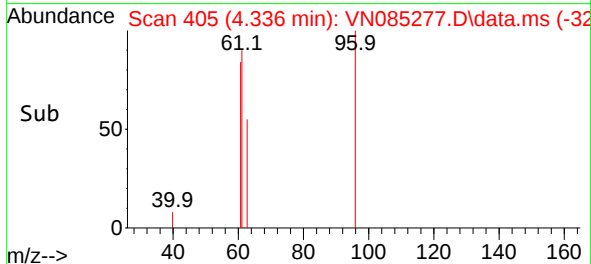
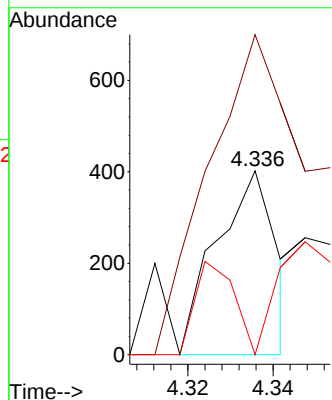
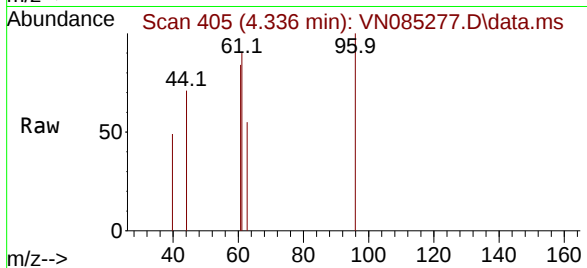
Tgt Ion: 96 Resp: 393

Ion Ratio Lower Upper

96 100

61 120.9 145.9 218.9#

98 0.0 51.9 77.9#



#11

Methyl Iodide

Concen: 1.192 ug/l

RT: 4.589 min Scan# 448

Delta R.T. 0.000 min

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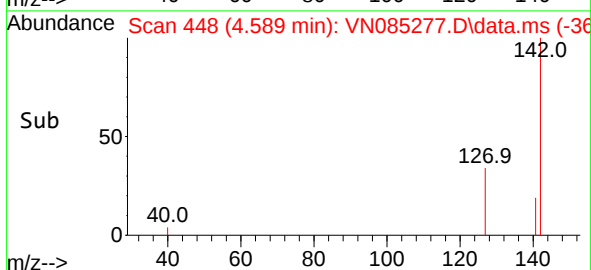
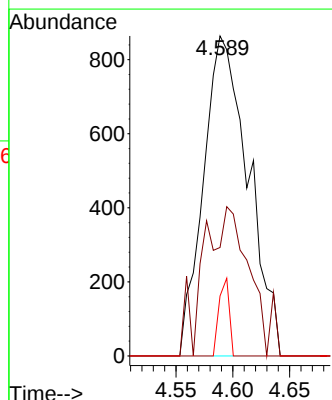
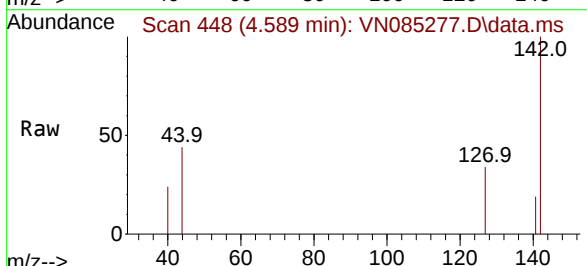
Tgt Ion: 142 Resp: 2373

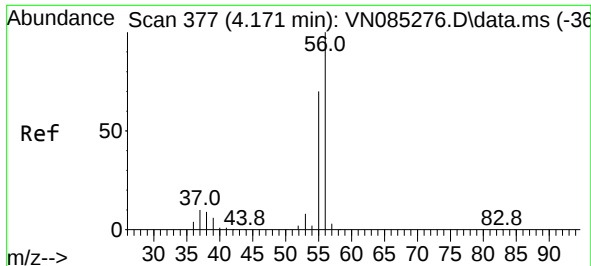
Ion Ratio Lower Upper

142 100

127 33.9 25.1 75.4

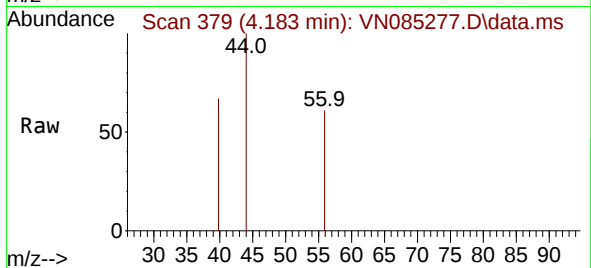
141 18.8 6.9 20.7



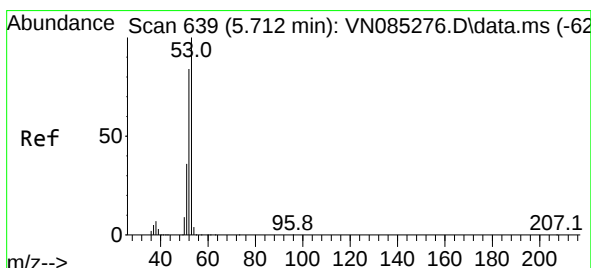
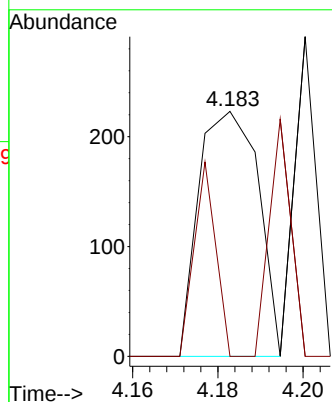
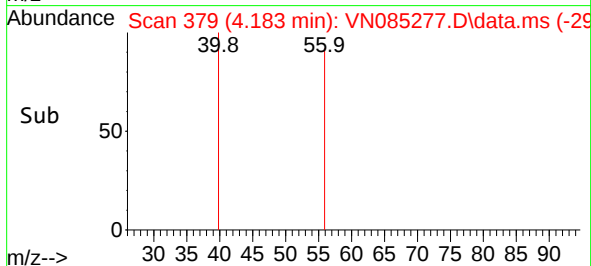


#13
Acrolein
Concen: 0.976 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

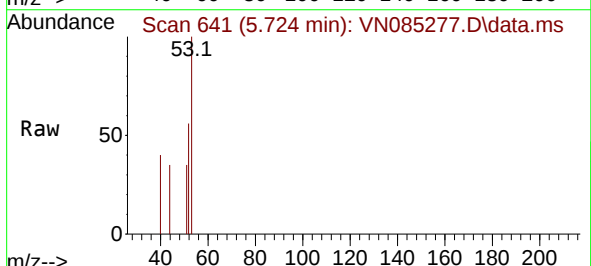
Instrument :
MSVOA_N
ClientSampleId :



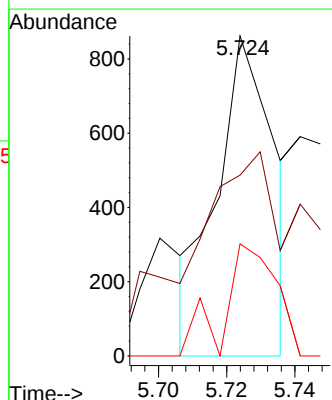
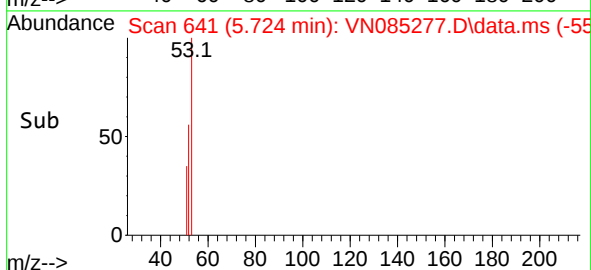
Tgt Ion: 56 Resp: 216
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#

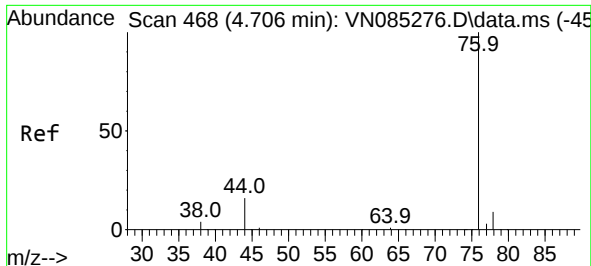


#14
Acrylonitrile
Concen: 1.042 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06



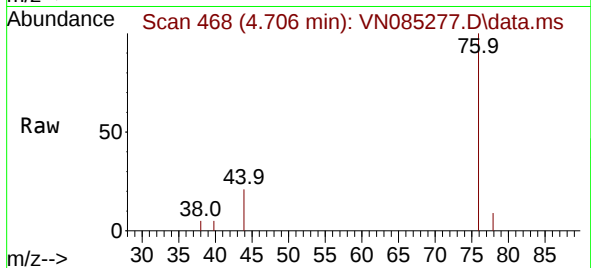
Tgt Ion: 53 Resp: 1000
Ion Ratio Lower Upper
53 100
52 73.8 41.6 124.8
51 26.7 18.1 54.4



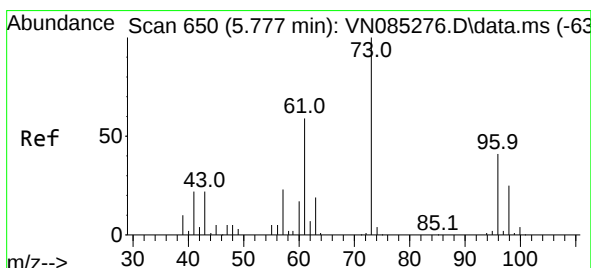
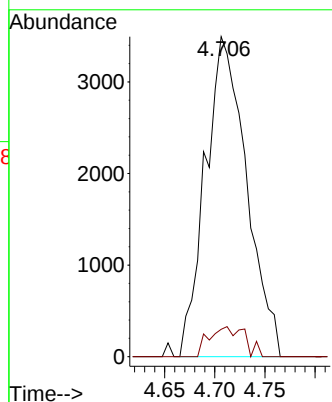
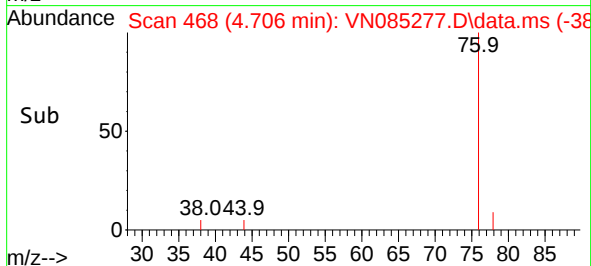


#16
Carbon Disulfide
Concen: 1.978 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Instrument :
MSVOA_N
ClientSampleId :

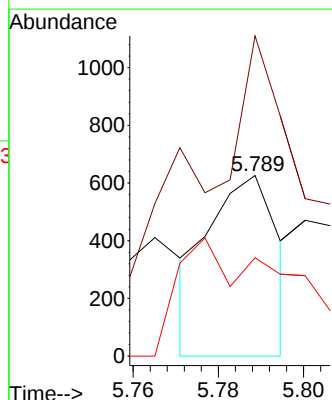
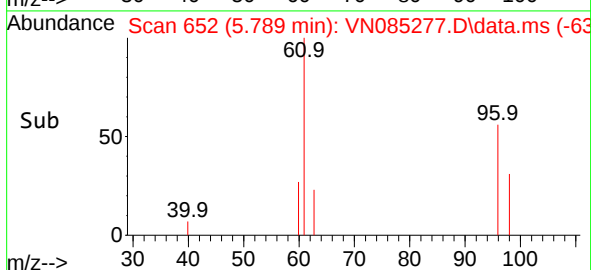
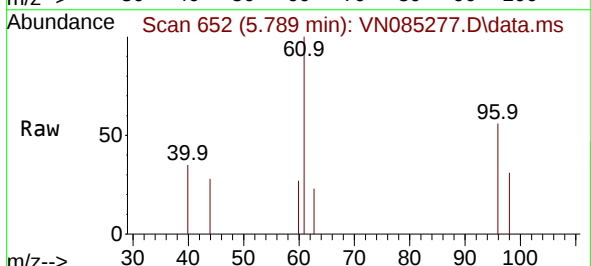


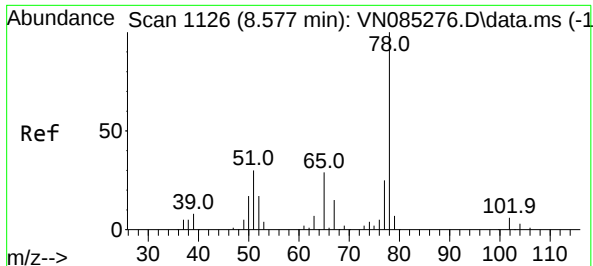
Tgt Ion: 76 Resp: 9986
Ion Ratio Lower Upper
76 100
78 8.6 6.6 9.8



#19
trans-1,2-Dichloroethene
Concen: 0.409 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Tgt Ion: 96 Resp: 707
Ion Ratio Lower Upper
96 100
61 135.3 124.2 186.4
98 19.9 51.0 76.4#





#27

1,2-Dichloroethane-d4

Concen: 30.877 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

Instrument :

MSVOA_N

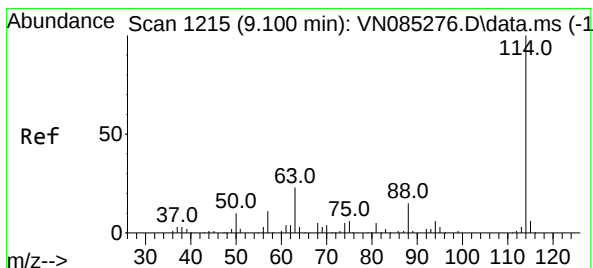
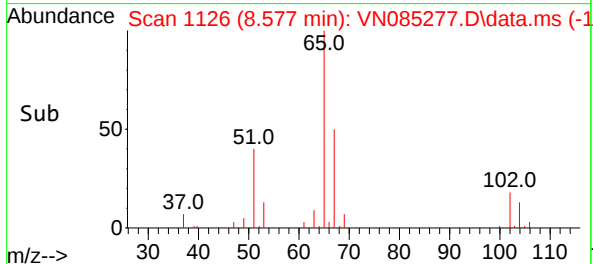
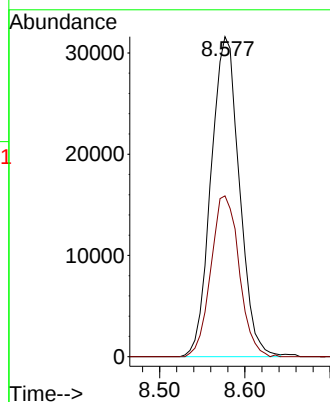
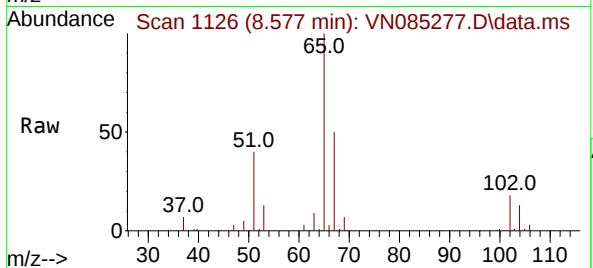
ClientSampleId :

Tgt Ion: 65 Resp: 73022

Ion Ratio Lower Upper

65 100

67 50.0 42.0 63.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

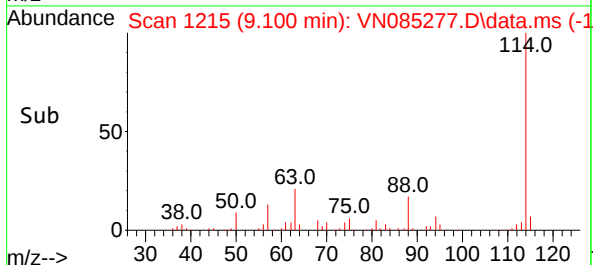
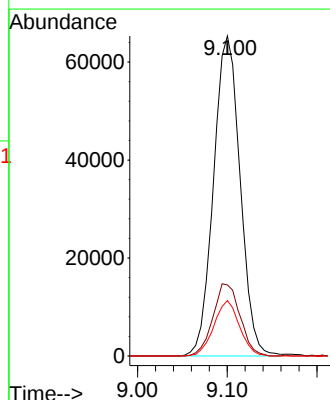
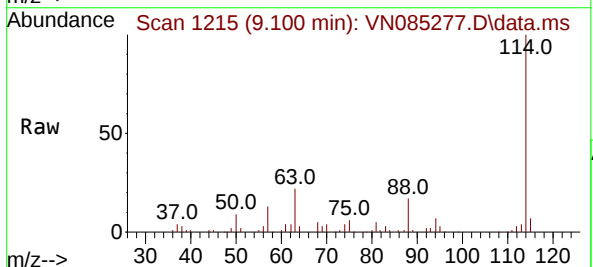
Tgt Ion: 114 Resp: 134373

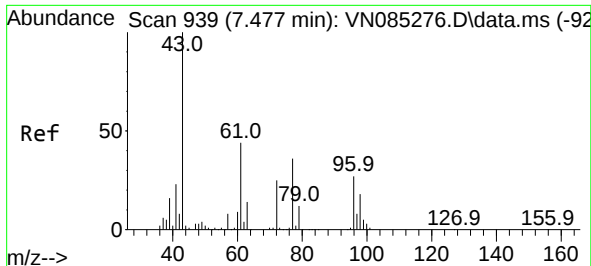
Ion Ratio Lower Upper

114 100

63 22.9 18.0 27.0

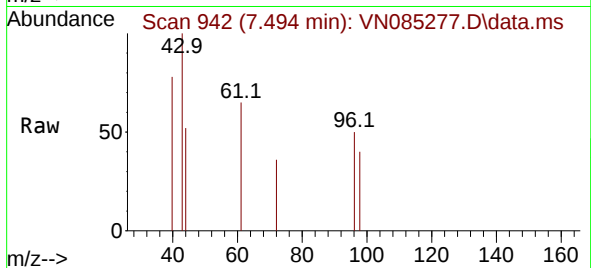
88 16.6 12.9 19.3



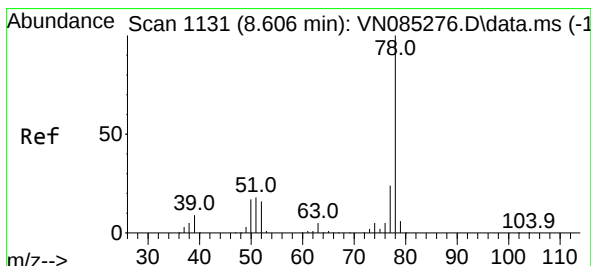
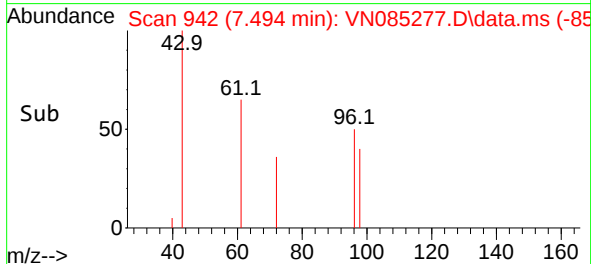
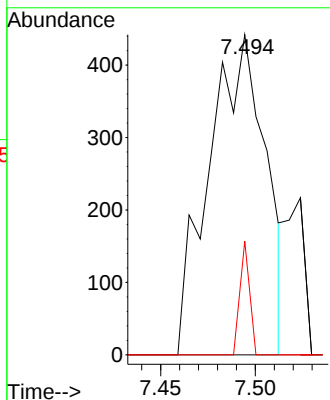


#30
2-Butanone
Concen: 0.746 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Instrument :
MSVOA_N
ClientSampleId :

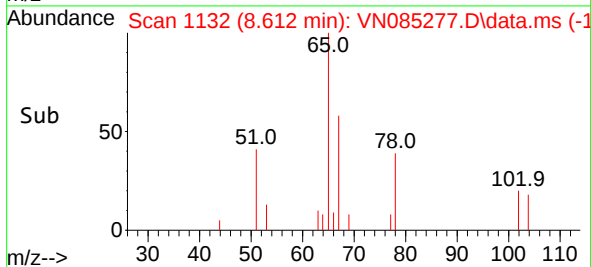
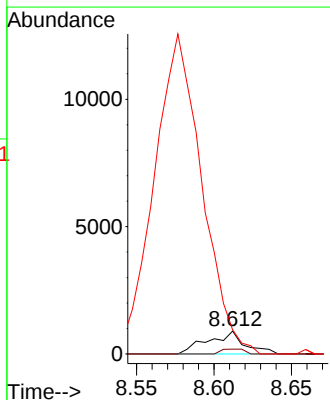
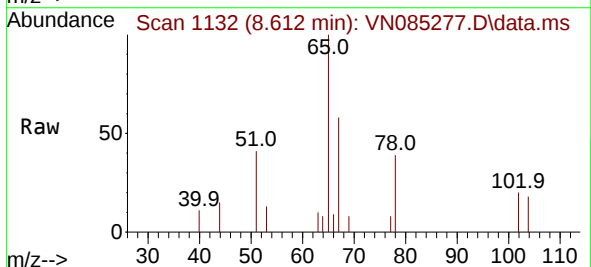


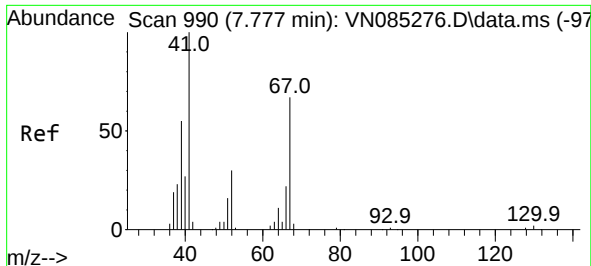
Tgt Ion: 43 Resp: 919
Ion Ratio Lower Upper
43 100
57 0.0 6.2 9.2#
72 0.0 19.9 29.9#



#34
Benzene
Concen: 0.200 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

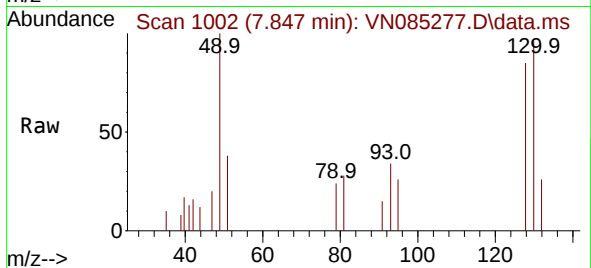
Tgt Ion: 78 Resp: 1477
Ion Ratio Lower Upper
78 100
77 21.0 19.3 28.9
51 105.9 14.6 21.8#



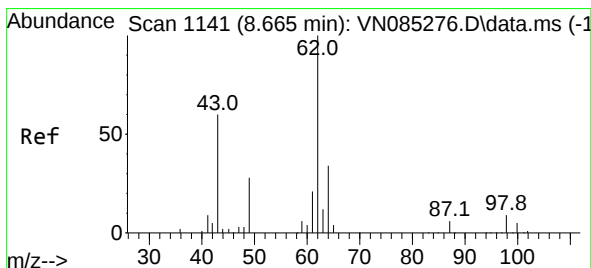
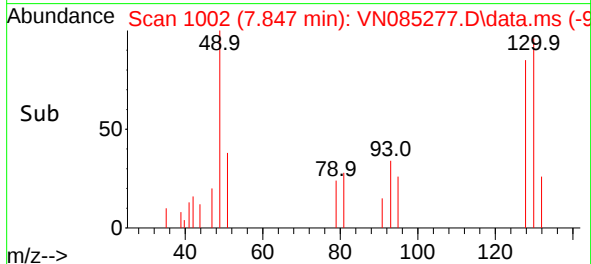
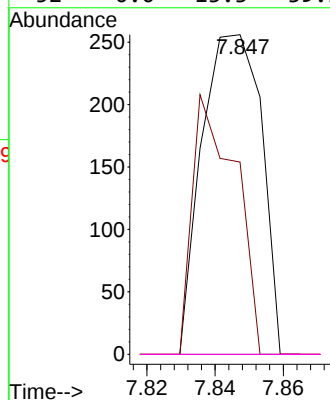


#35
Methacrylonitrile
Concen: 0.228 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.077 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Instrument :
MSVOA_N
ClientSampleId :

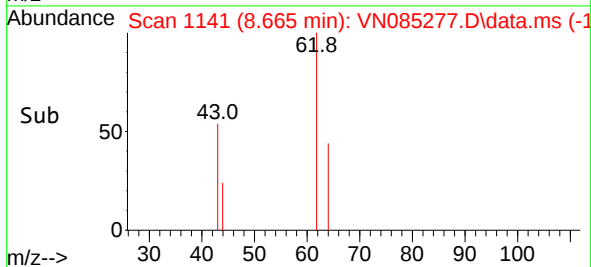
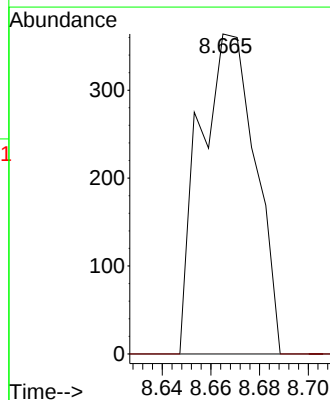
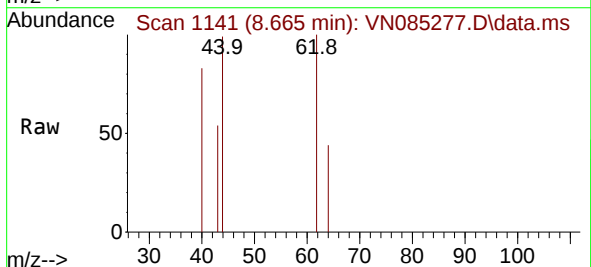


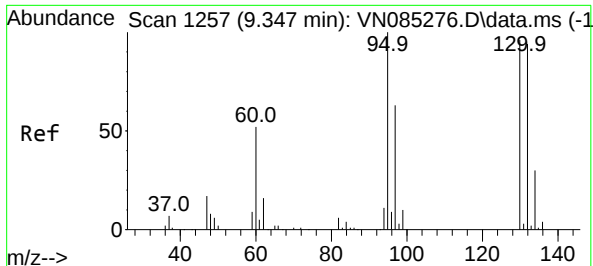
Tgt Ion: 41	Resp: 311
Ion Ratio	Lower Upper
41 100	
39 198.0	26.7 80.0#
67 0.0	32.5 97.5#
52 0.0	13.3 39.9#



#36
1,2-Dichloroethane
Concen: 0.217 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Tgt Ion: 62	Resp: 578
Ion Ratio	Lower Upper
62 100	
98 0.0	6.6 10.0#

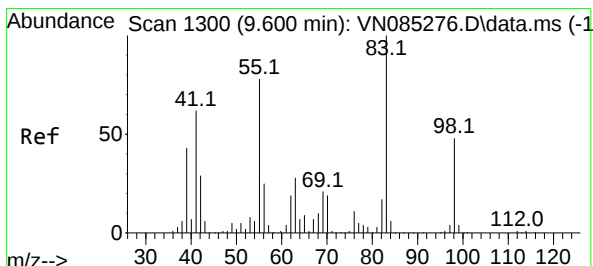
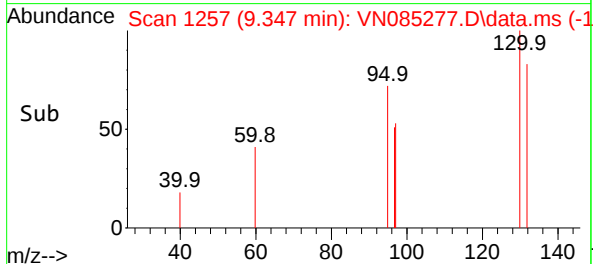
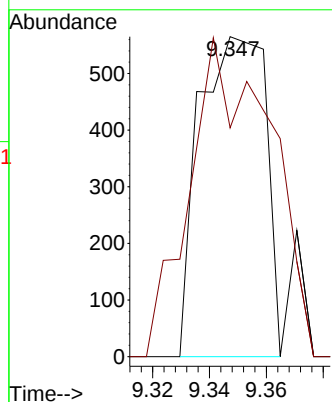
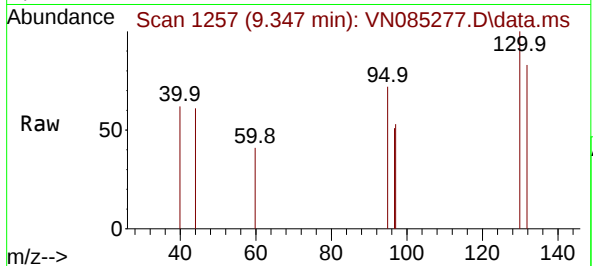




#37
Trichloroethene
Concen: 0.565 ug/l
RT: 9.347 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

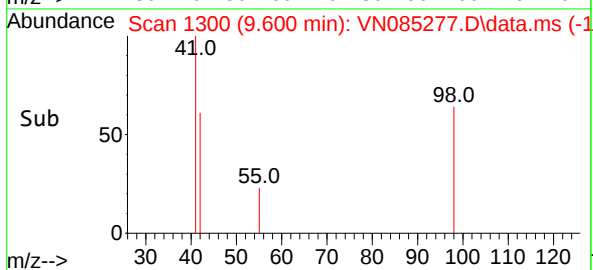
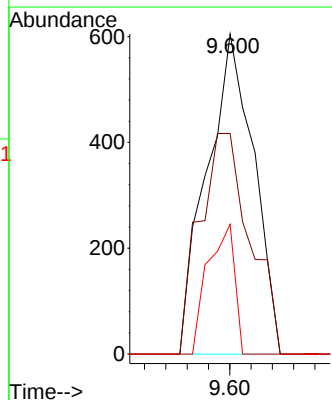
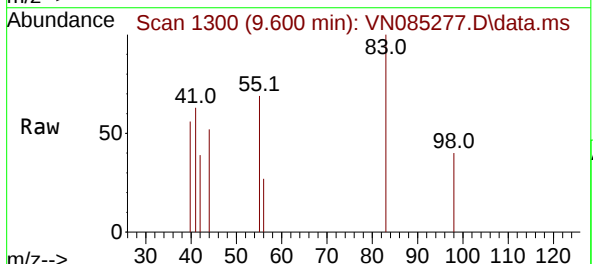
Instrument :
MSVOA_N
ClientSampleId :

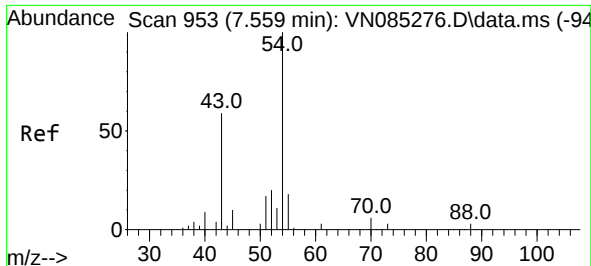
Tgt Ion:130 Resp: 916
Ion Ratio Lower Upper
130 100
95 41.1 80.0 120.0#



#38
Methylcyclohexane
Concen: 0.383 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Tgt Ion: 83 Resp: 924
Ion Ratio Lower Upper
83 100
55 74.2 43.6 130.8
98 23.3 24.2 72.6#





#43

Ethyl Acetate

Concen: 0.361 ug/l

RT: 7.494 min Scan# 94

Delta R.T. -0.059 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

Instrument :

MSVOA_N

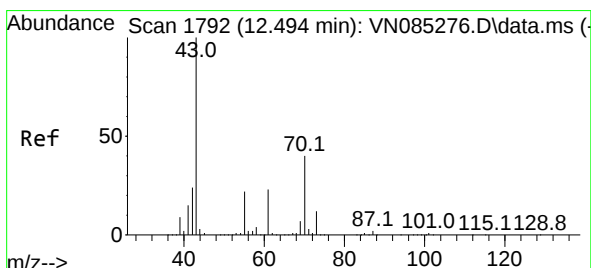
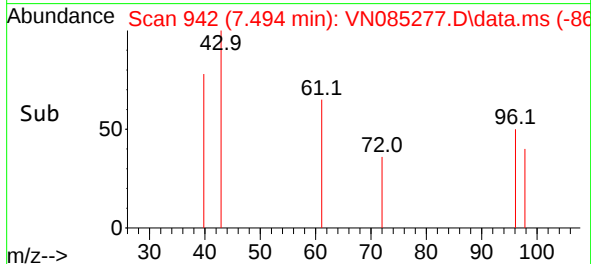
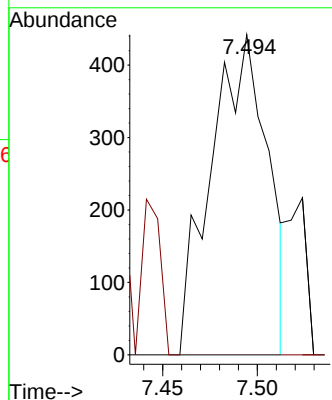
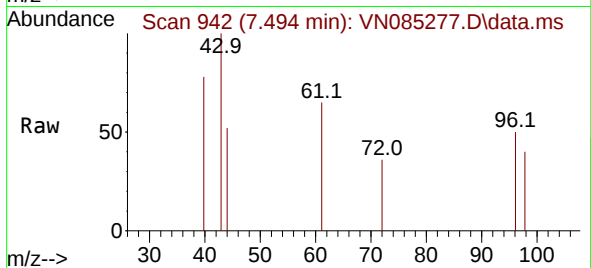
ClientSampleId :

Tgt Ion: 43 Resp: 919

Ion Ratio Lower Upper

43 100

45 15.5 11.9 17.9



#47

n-ethyl Acetate

Concen: 0.272 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN085277.D

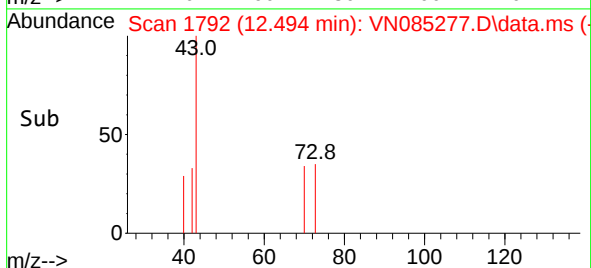
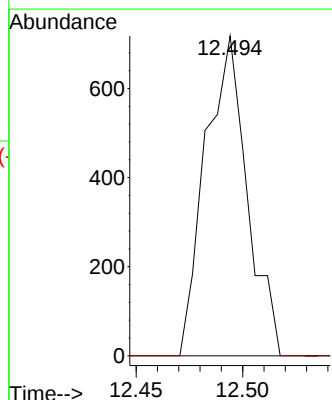
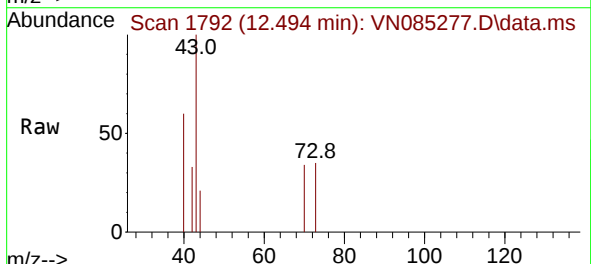
Acq: 20 Dec 2024 12:06

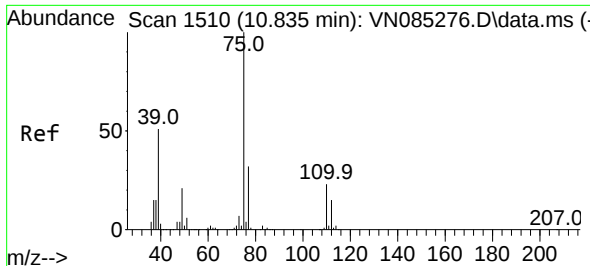
Tgt Ion: 43 Resp: 981

Ion Ratio Lower Upper

43 100

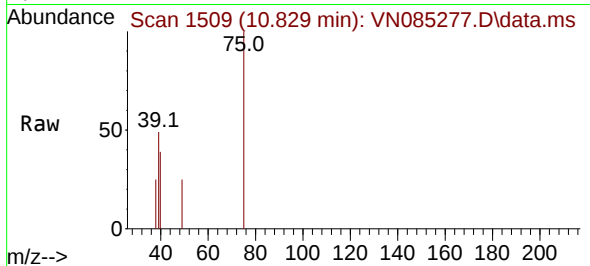
55 0.0 21.3 31.9#



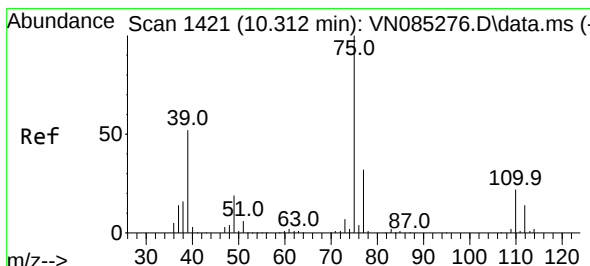
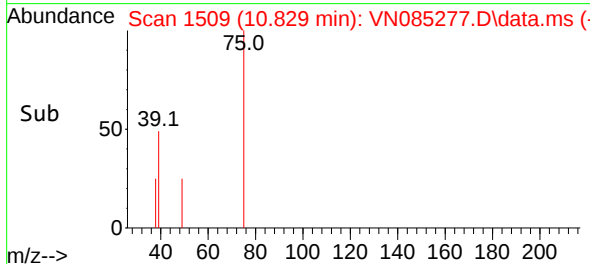
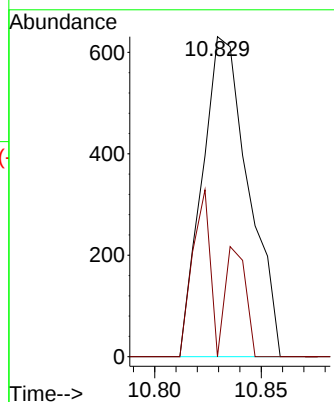


#48
 t-1,3-Dichloropropene
 Concen: 0.353 ug/l
 RT: 10.829 min Scan# 1509
 Delta R.T. 0.000 min
 Lab File: VN085277.D
 Acq: 20 Dec 2024 12:06

Instrument :
 MSVOA_N
 ClientSampleId :

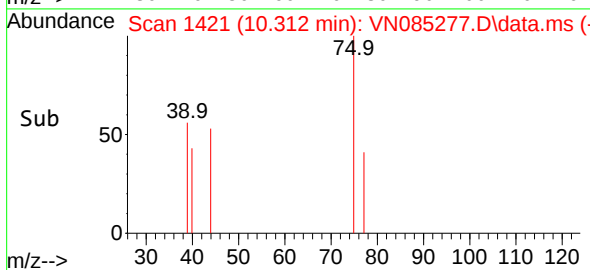
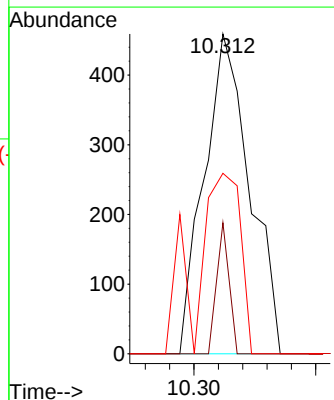
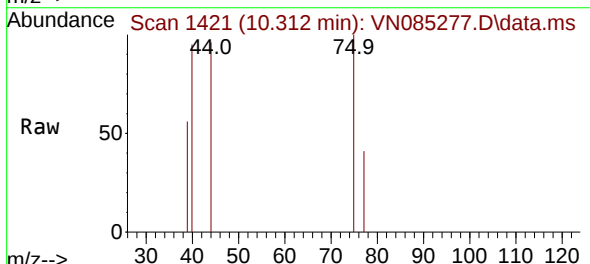


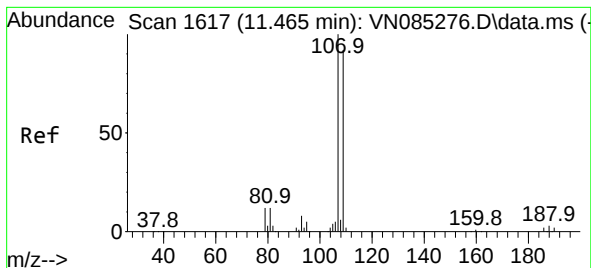
Tgt Ion: 75 Resp: 954
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.8 35.6#



#49
 cis-1,3-Dichloropropene
 Concen: 0.206 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN085277.D
 Acq: 20 Dec 2024 12:06

Tgt Ion: 75 Resp: 597
 Ion Ratio Lower Upper
 75 100
 77 41.0 26.6 40.0#
 39 56.4 41.9 62.9





#54

1,2-Dibromoethane

Concen: 0.210 ug/l

RT: 11.465 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

Instrument :

MSVOA_N

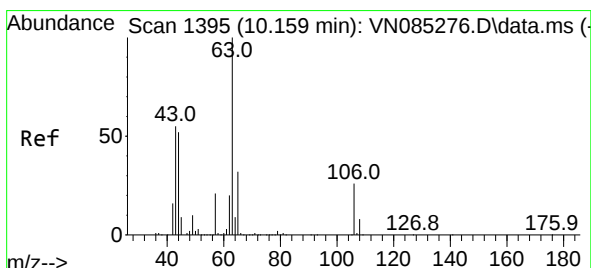
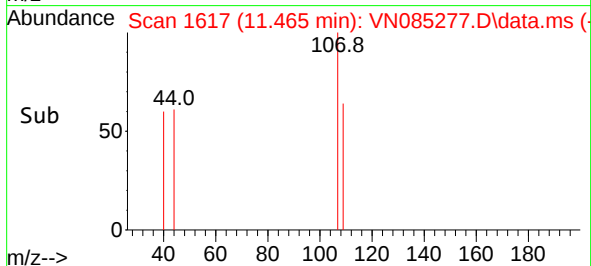
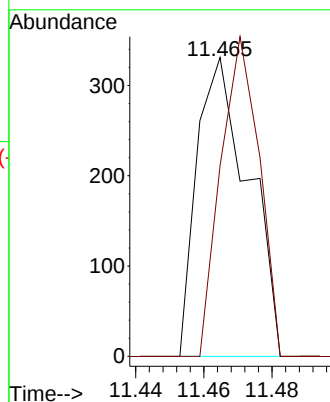
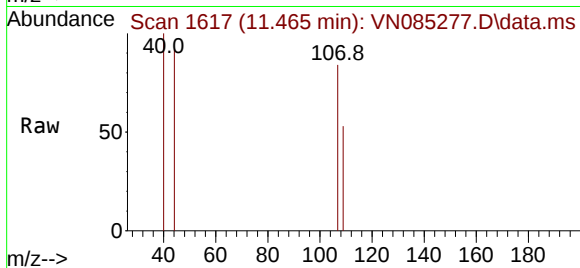
ClientSampleId :

Tgt Ion:107 Resp: 347

Ion Ratio Lower Upper

107 100

109 79.8 76.2 114.4



#55

2-Chloroethyl vinyl ether

Concen: 0.999 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

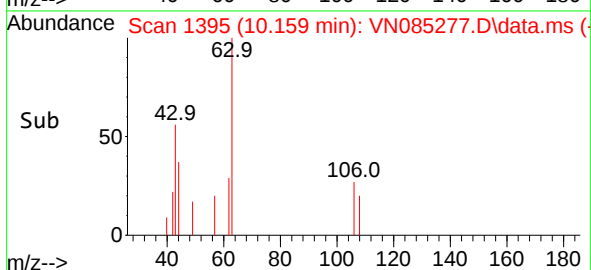
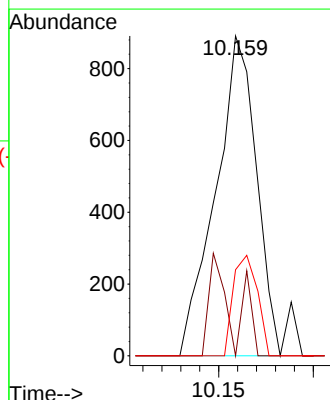
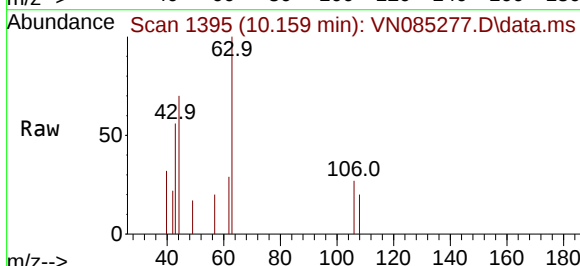
Tgt Ion: 63 Resp: 1331

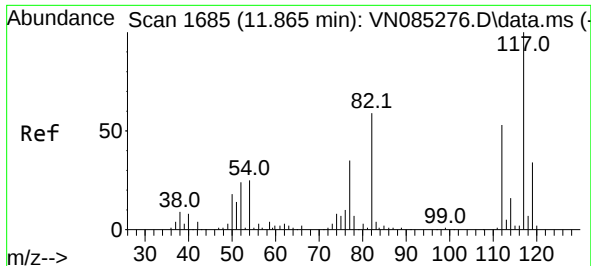
Ion Ratio Lower Upper

63 100

65 6.3 25.9 38.9#

106 18.6 21.2 31.8#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 117

Delta R.T. 0.000 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

Instrument :

MSVOA_N

ClientSampleId :

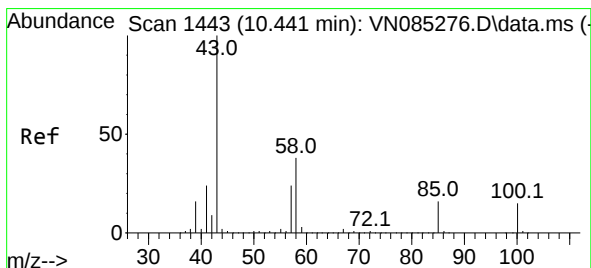
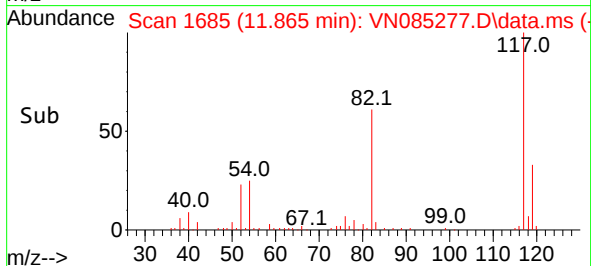
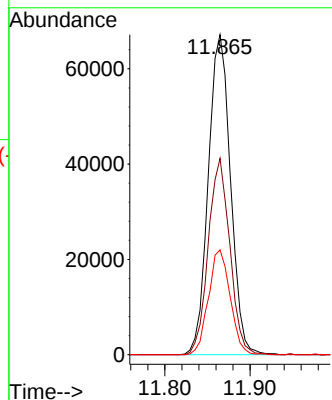
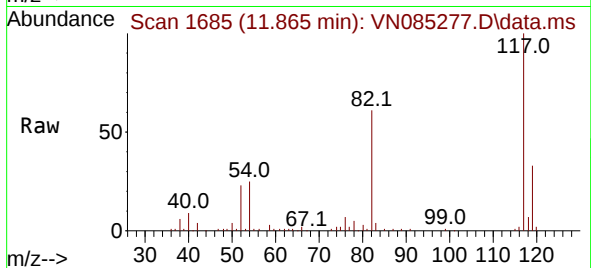
Tgt Ion:117 Resp: 122041

Ion Ratio Lower Upper

117 100

82 59.5 47.4 71.0

119 32.0 25.3 37.9



#58

4-Methyl-2-Pentanone

Concen: 0.601 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

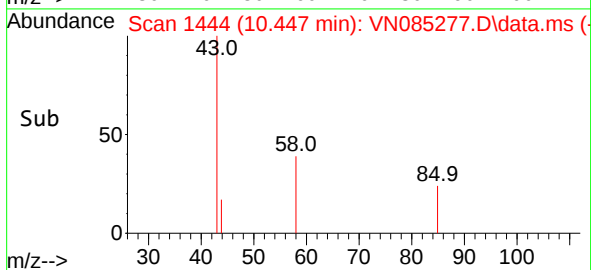
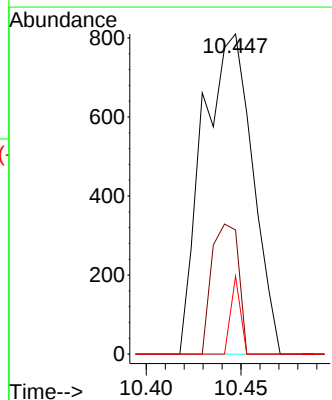
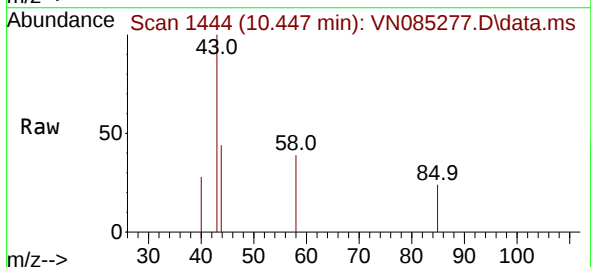
Tgt Ion: 43 Resp: 1486

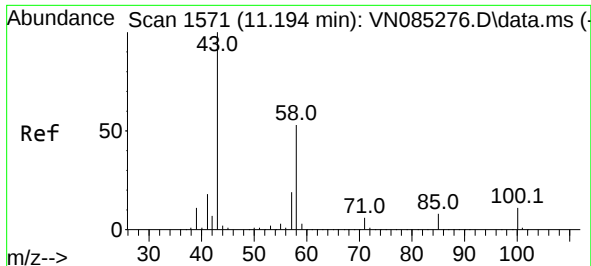
Ion Ratio Lower Upper

43 100

58 21.8 29.2 43.8#

85 0.0 12.8 19.2#

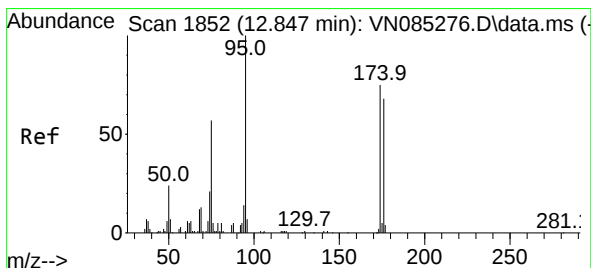
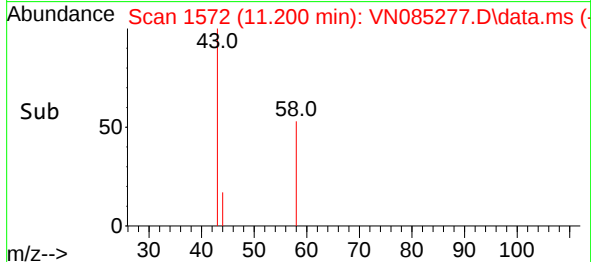
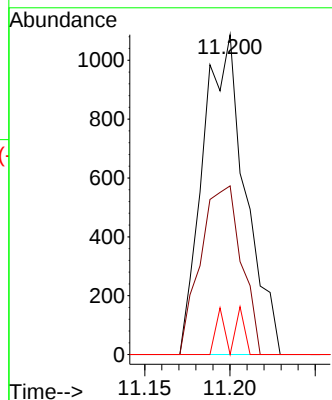
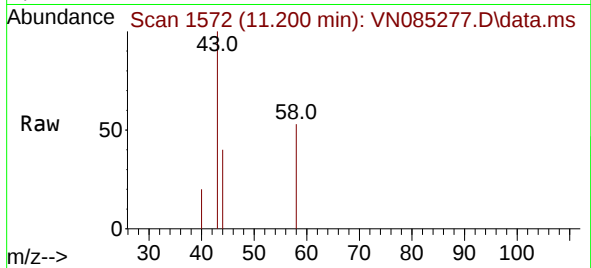




#59
2-Hexanone
Concen: 1.046 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

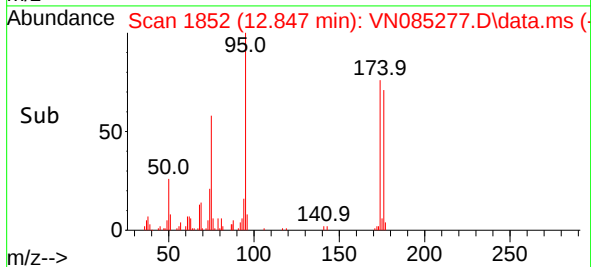
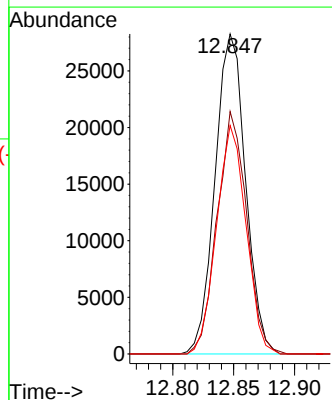
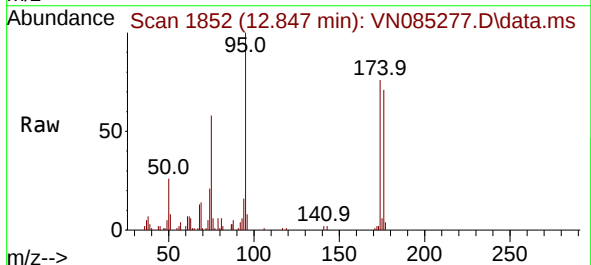
Instrument :
MSVOA_N
ClientSampleId :

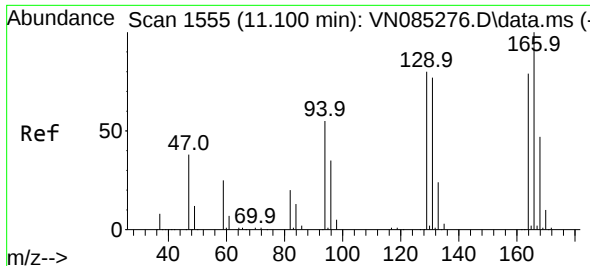
Tgt Ion: 43 Resp: 1880
Ion Ratio Lower Upper
43 100
58 50.8 40.2 60.4
57 3.1 14.2 21.4#



#60
4-Bromofluorobenzene
Concen: 24.895 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

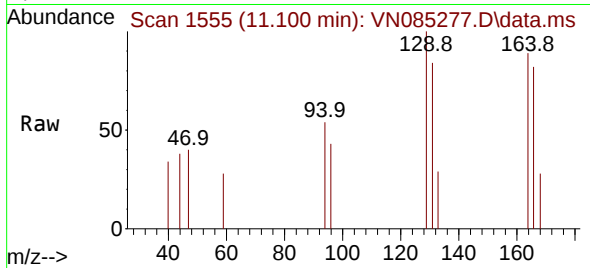
Tgt Ion: 95 Resp: 49215
Ion Ratio Lower Upper
95 100
174 73.5 57.8 86.8
176 69.2 57.1 85.7



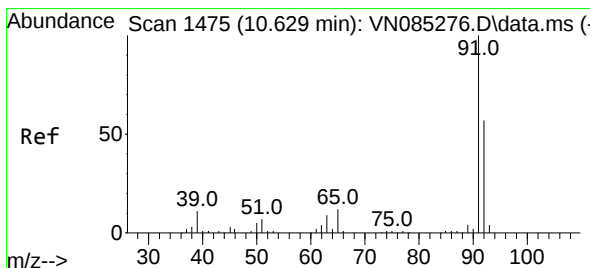
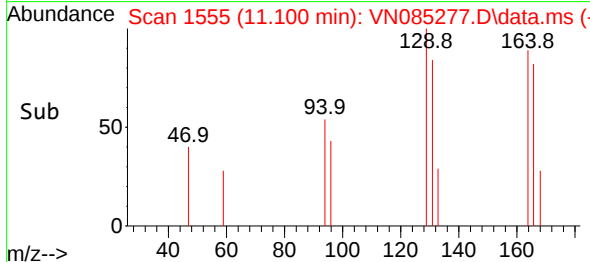
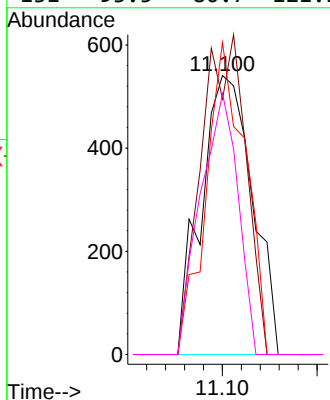


#61
Tetrachloroethene
Concen: 0.746 ug/l
RT: 11.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Instrument :
MSVOA_N
ClientSampleId :

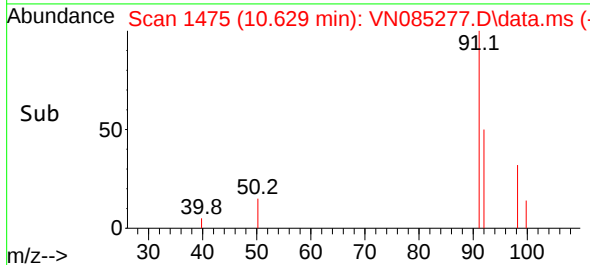
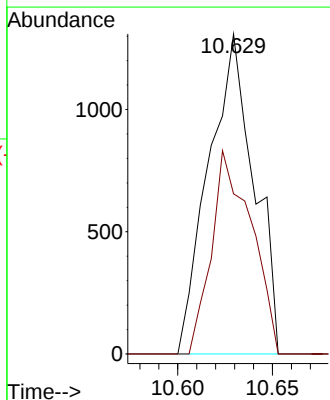
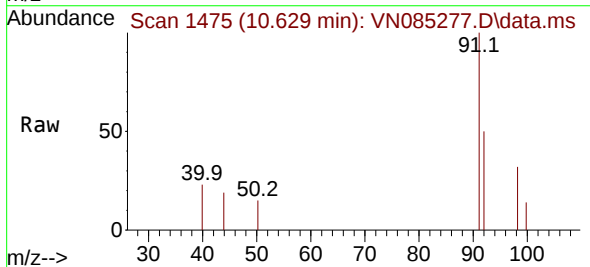


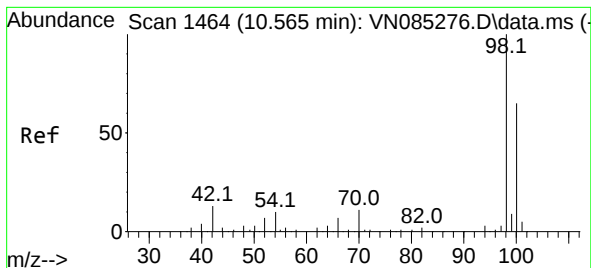
Tgt Ion:164 Resp: 1017
Ion Ratio Lower Upper
164 100
166 91.5 109.0 163.4#
129 111.8 85.1 127.7
131 93.5 80.7 121.1



#62
Toluene
Concen: 0.290 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Tgt Ion: 91 Resp: 2178
Ion Ratio Lower Upper
91 100
92 56.0 45.9 68.9





#63

Toluene-d8

Concen: 28.304 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

Instrument :

MSVOA_N

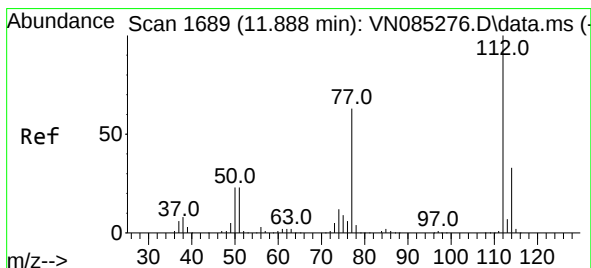
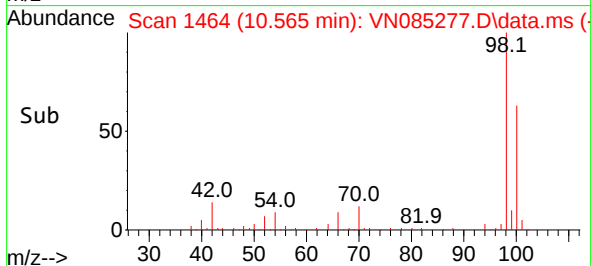
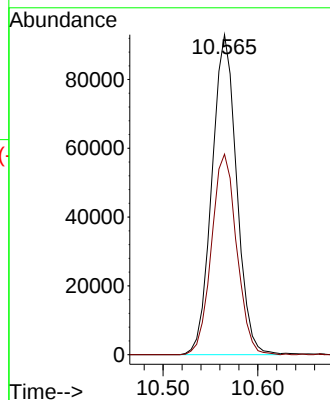
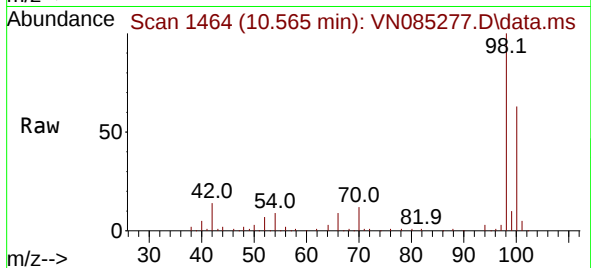
ClientSampleId :

Tgt Ion: 98 Resp: 168668

Ion Ratio Lower Upper

98 100

100 63.8 50.8 76.2



#64

Chlorobenzene

Concen: 0.528 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN085277.D

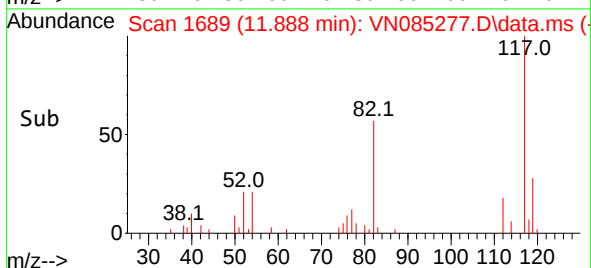
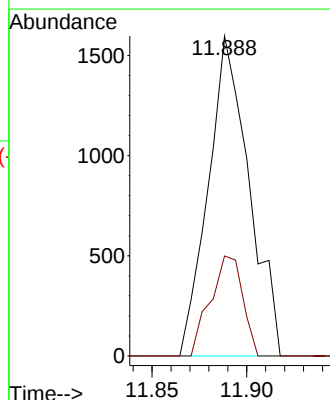
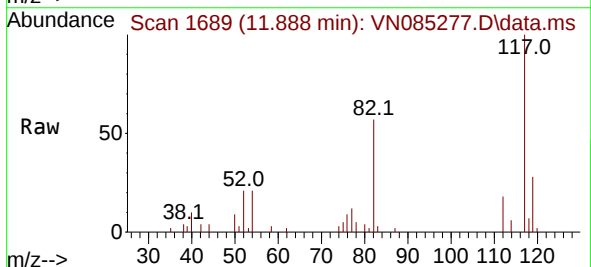
Acq: 20 Dec 2024 12:06

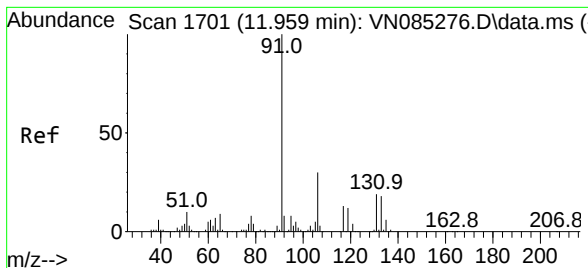
Tgt Ion: 112 Resp: 2388

Ion Ratio Lower Upper

112 100

114 31.2 26.4 39.6





#66

Ethyl Benzene

Concen: 0.299 ug/l

RT: 11.965 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

Instrument :

MSVOA_N

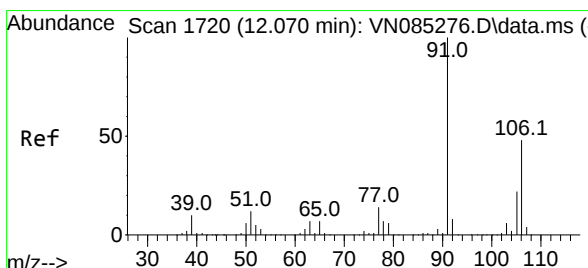
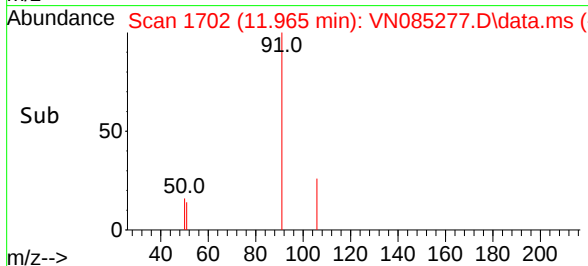
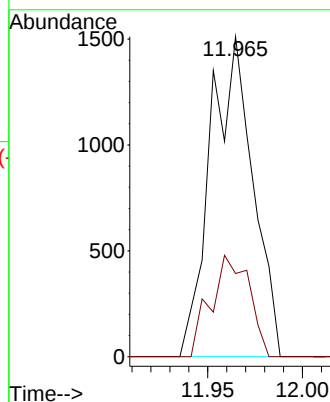
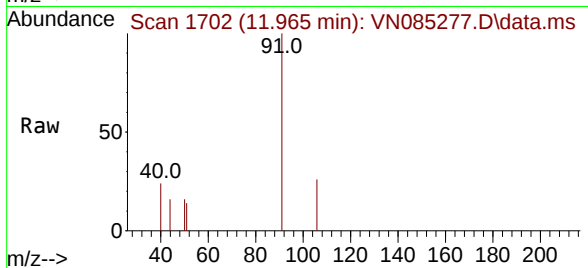
ClientSampleId :

Tgt Ion: 91 Resp: 2359

Ion Ratio Lower Upper

91 100

106 26.0 23.2 34.8



#67

m/p-Xylenes

Concen: 0.577 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN085277.D

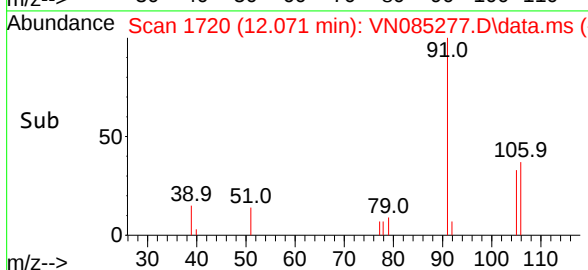
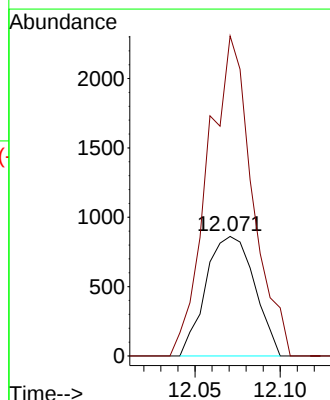
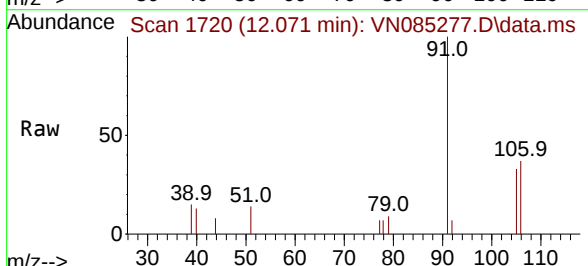
Acq: 20 Dec 2024 12:06

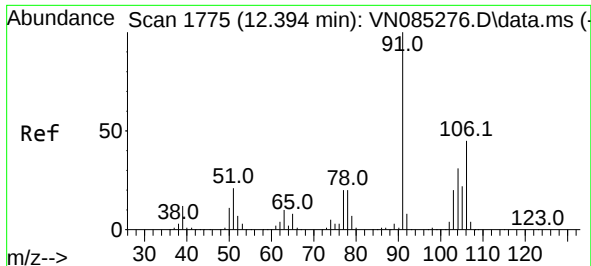
Tgt Ion:106 Resp: 1709

Ion Ratio Lower Upper

106 100

91 246.6 167.0 250.4

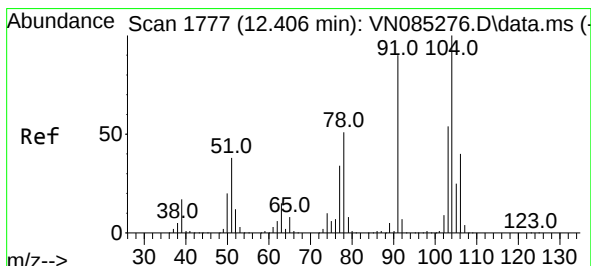
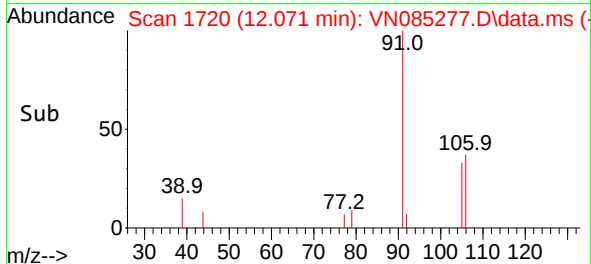
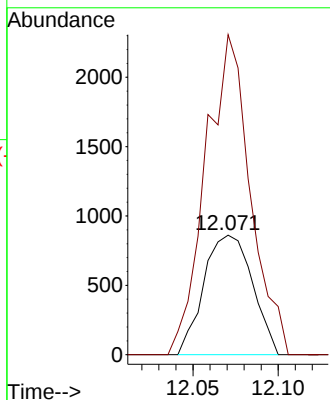
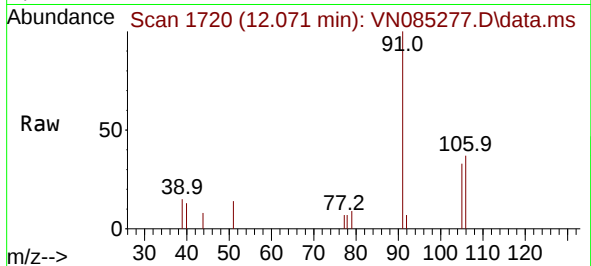




#68
o-Xylene
Concen: 0.606 ug/l
RT: 12.071 min Scan# 1775
Delta R.T. -0.323 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

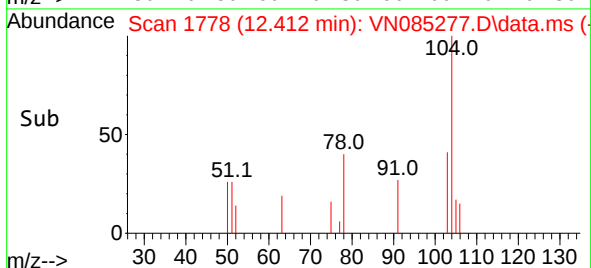
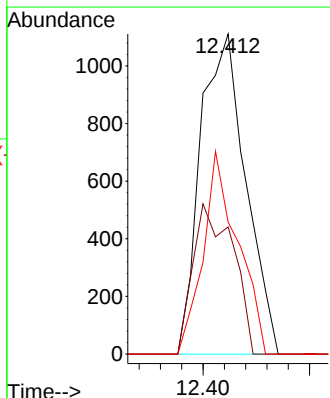
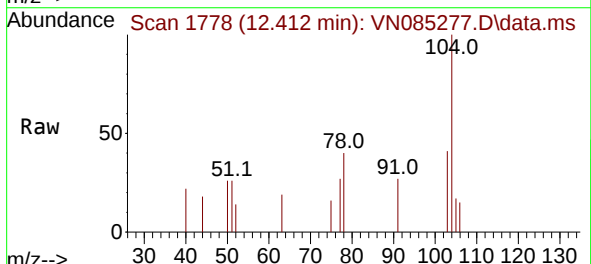
Instrument :
MSVOA_N
ClientSampleId :

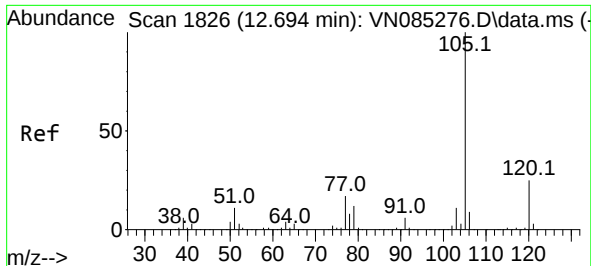
Tgt Ion:106 Resp: 1709
Ion Ratio Lower Upper
106 100
91 246.6 110.6 331.8



#69
Styrene
Concen: 0.344 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Tgt Ion:104 Resp: 1637
Ion Ratio Lower Upper
104 100
78 41.4 41.0 61.4
103 48.5 44.8 67.2

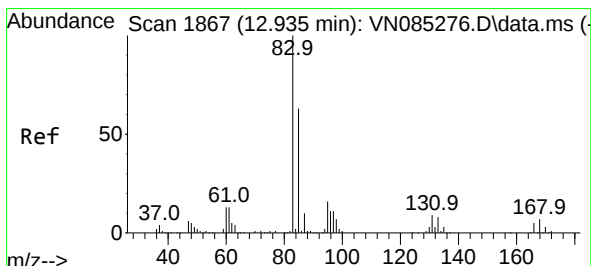
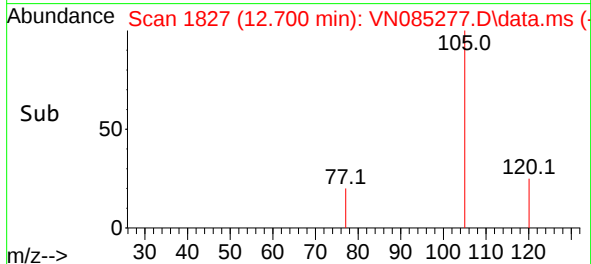
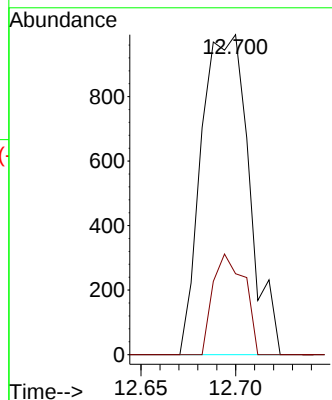
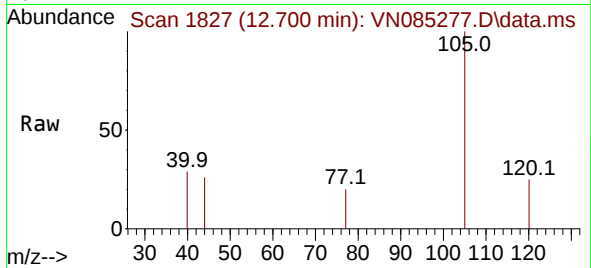




#70
Isopropylbenzene
Concen: 0.245 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

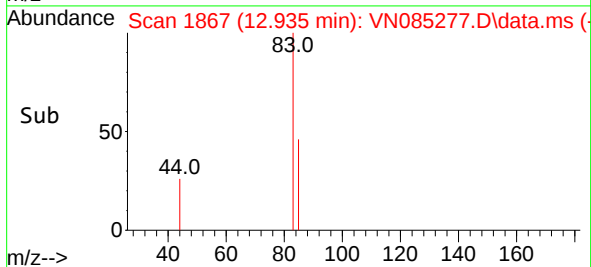
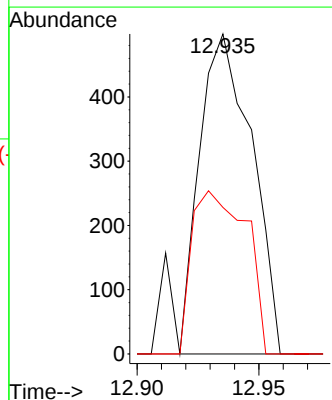
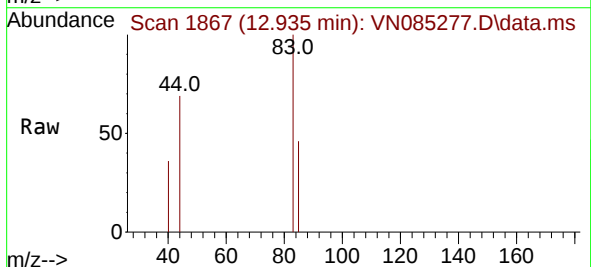
Instrument :
MSVOA_N
ClientSampleId :

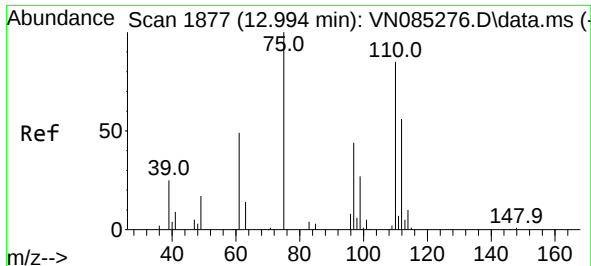
Tgt Ion:105 Resp: 1731
Ion Ratio Lower Upper
105 100
120 21.0 18.4 34.2



#71
1,1,2,2-Tetrachloroethane
Concen: 0.296 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Tgt Ion: 83 Resp: 744
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 43.3 33.0 98.9

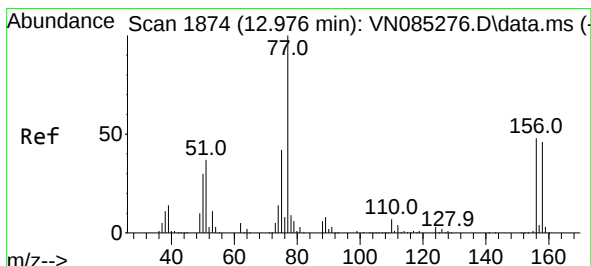
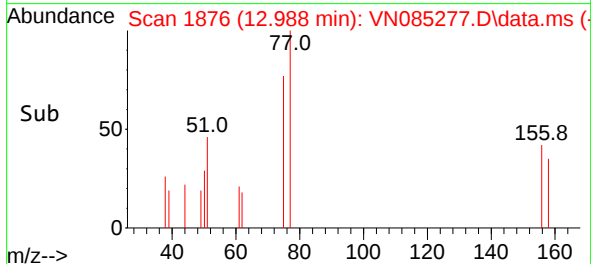
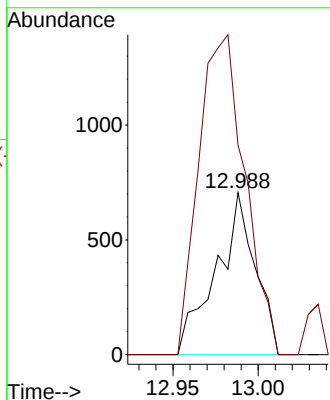
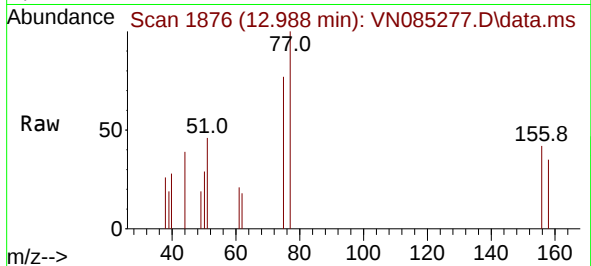




#72
1,2,3-Trichloropropane
Concen: 0.528 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

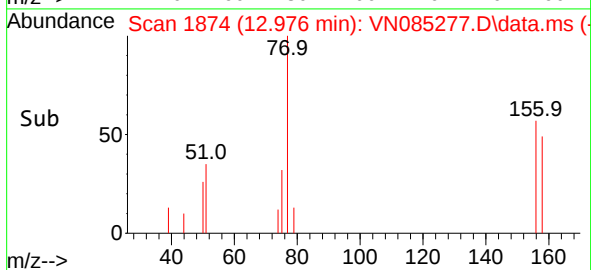
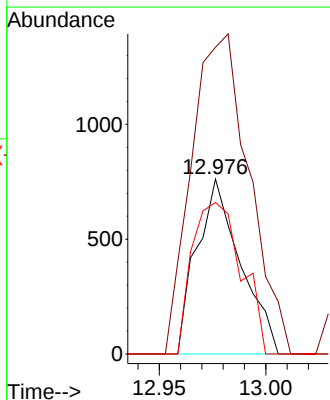
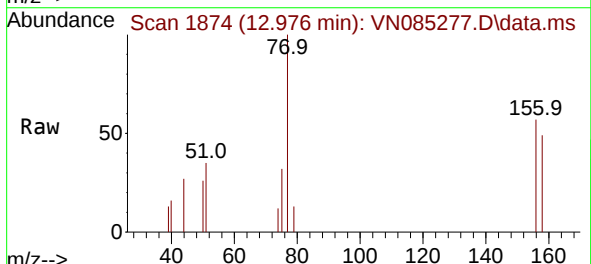
Instrument :
MSVOA_N
ClientSampleId :

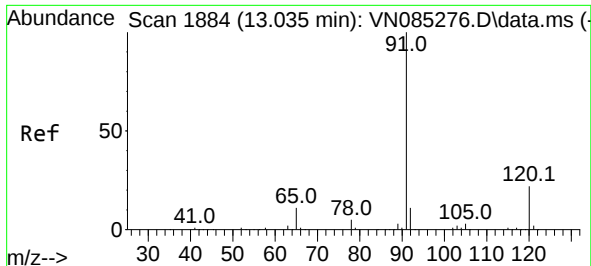
Tgt Ion: 75 Resp: 1129
Ion Ratio Lower Upper
75 100
77 232.1 0.0 407.2



#73
Bromobenzene
Concen: 0.622 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Tgt Ion:156 Resp: 1087
Ion Ratio Lower Upper
156 100
77 241.0 0.0 462.6
158 97.6 0.0 186.4

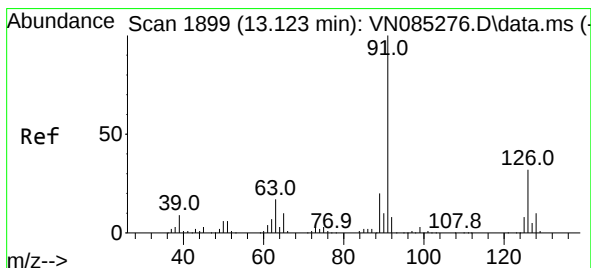
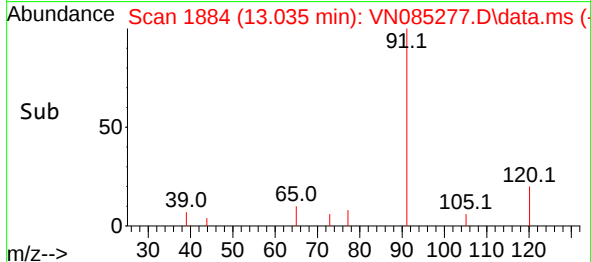
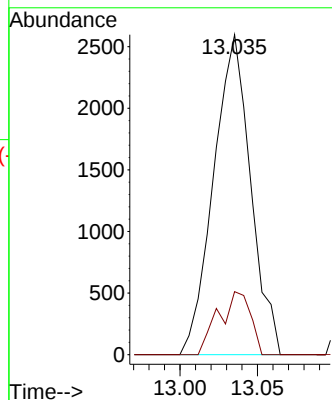
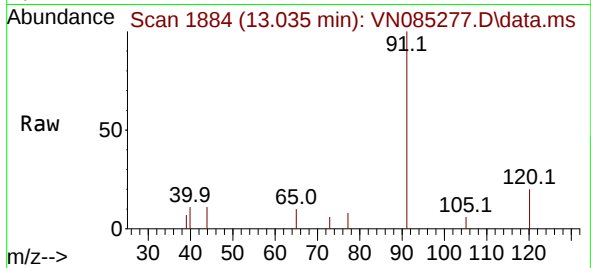




#74
n-propylbenzene
Concen: 0.490 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

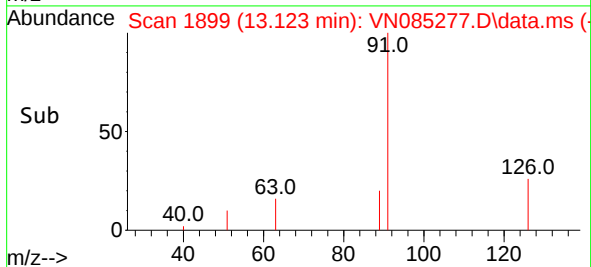
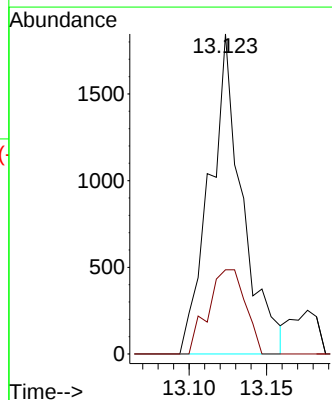
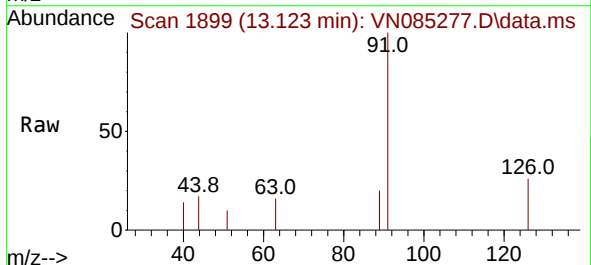
Instrument :
MSVOA_N
ClientSampleId :

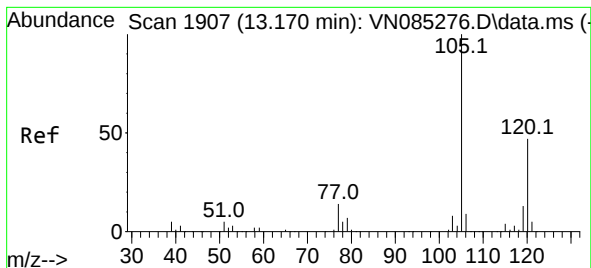
Tgt Ion: 91 Resp: 4317
Ion Ratio Lower Upper
91 100
120 17.0 0.0 41.4



#75
2-Chlorotoluene
Concen: 0.509 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Tgt Ion: 91 Resp: 2703
Ion Ratio Lower Upper
91 100
126 30.0 0.0 65.0





#76

1,3,5-Trimethylbenzene

Concen: 0.350 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

Instrument :

MSVOA_N

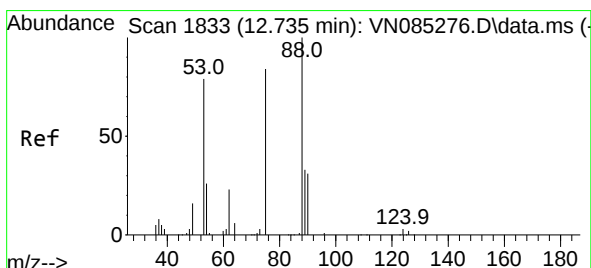
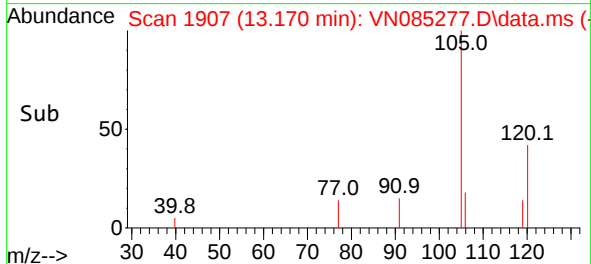
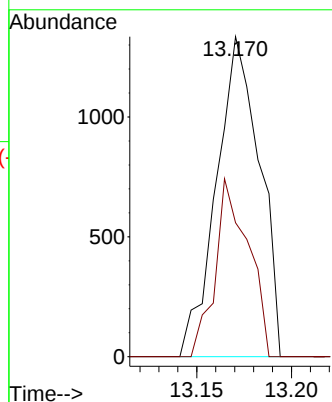
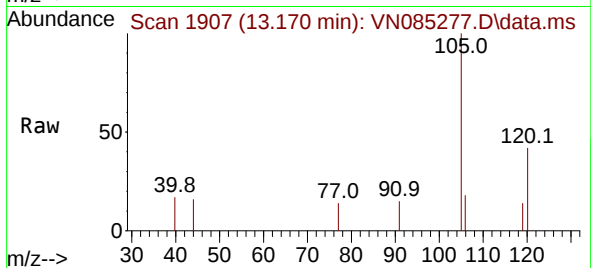
ClientSampleId :

Tgt Ion:105 Resp: 2113

Ion Ratio Lower Upper

105 100

120 42.6 0.0 95.0



#77

t-1,4-Dichloro-2-butene

Concen: 31.597 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

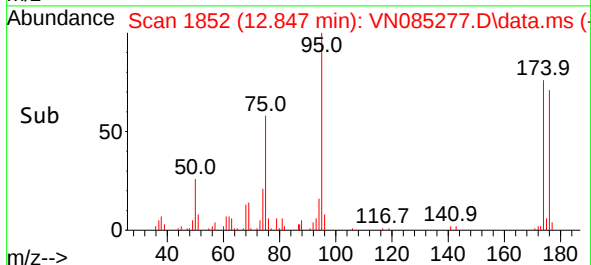
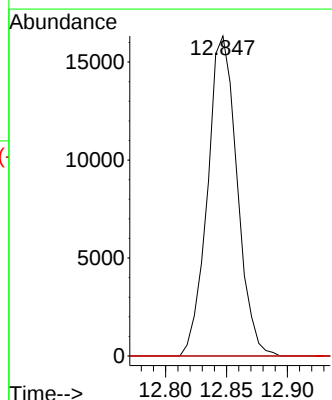
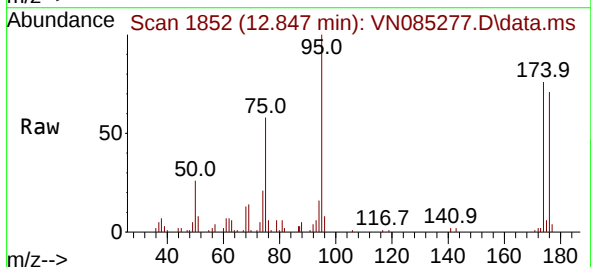
Tgt Ion: 75 Resp: 27594

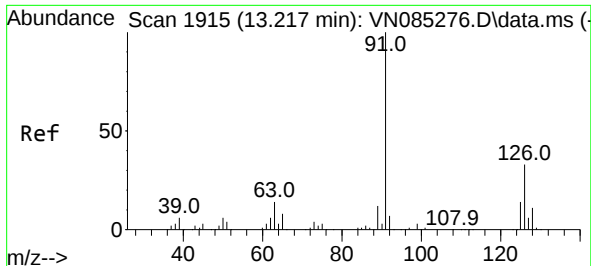
Ion Ratio Lower Upper

75 100

53 0.0 54.9 164.5#

89 0.0 22.8 68.3#

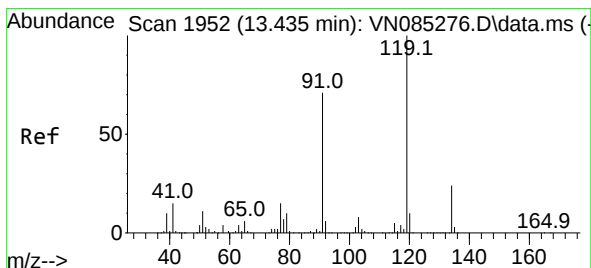
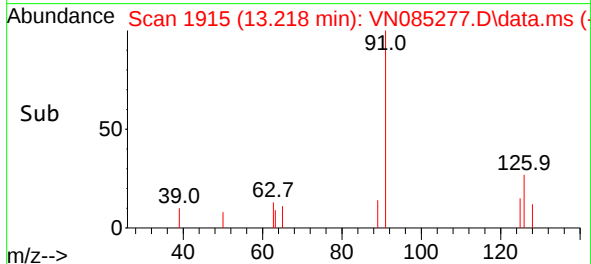
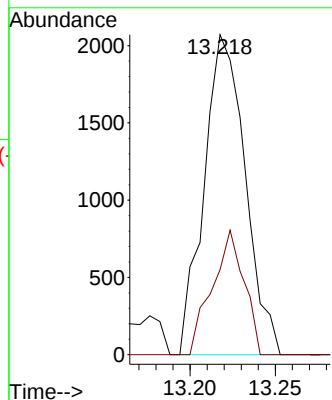
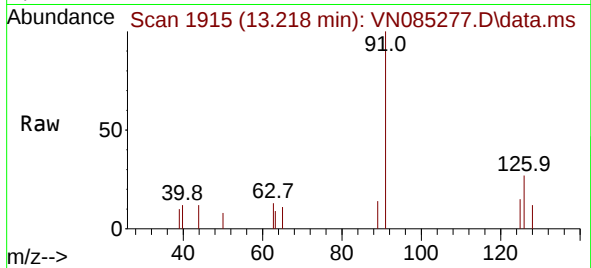




#78
4-Chlorotoluene
Concen: 0.643 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

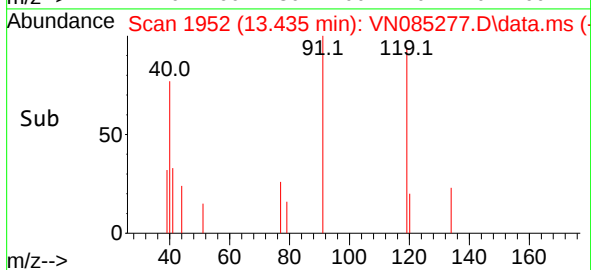
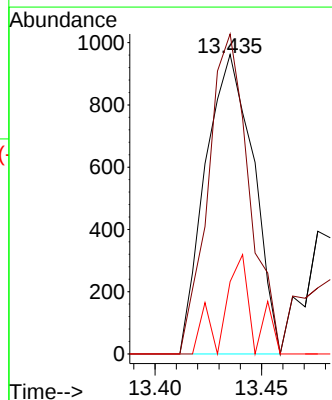
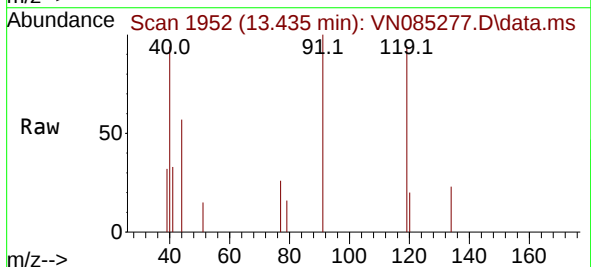
Instrument :
MSVOA_N
ClientSampleId :

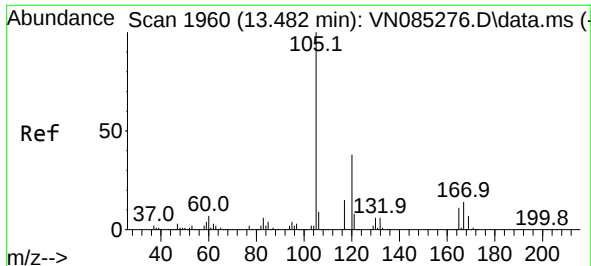
Tgt Ion: 91 Resp: 3472
Ion Ratio Lower Upper
91 100
126 30.2 0.0 63.6



#79
tert-butylbenzene
Concen: 0.305 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Tgt Ion: 119 Resp: 1507
Ion Ratio Lower Upper
119 100
91 91.2 0.0 142.0
134 12.9 0.0 49.0

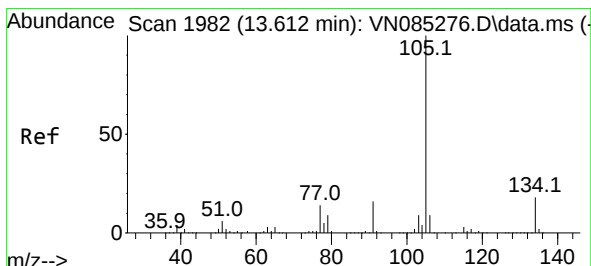
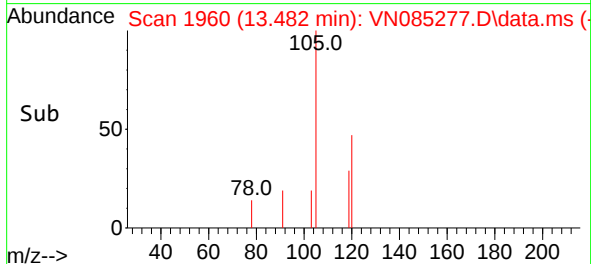
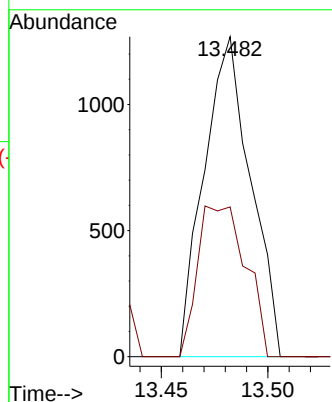
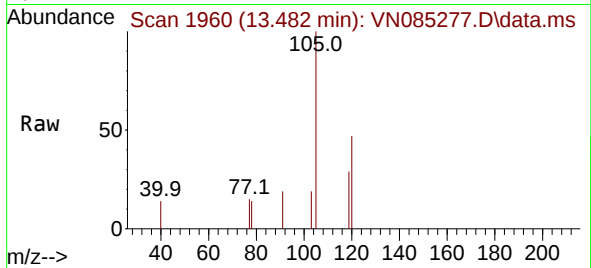




#80
1,2,4-Trimethylbenzene
Concen: 0.321 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

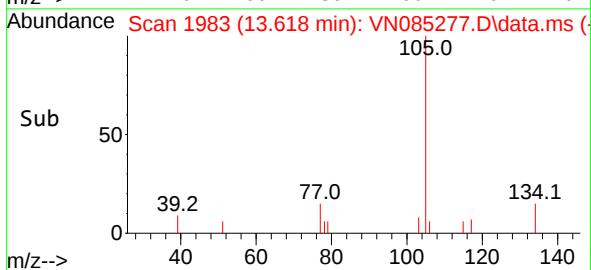
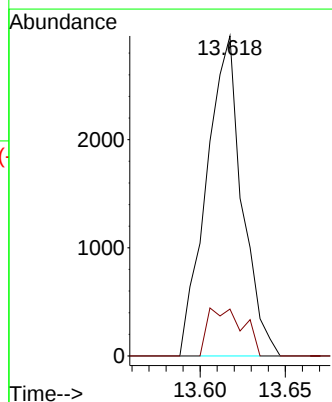
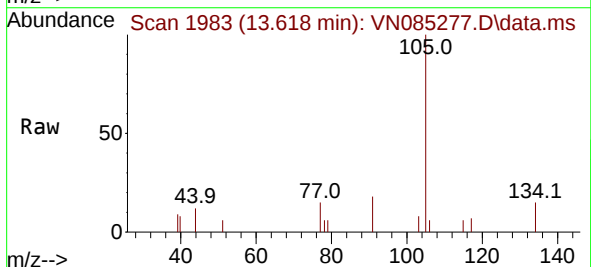
Instrument :
MSVOA_N
ClientSampleId :

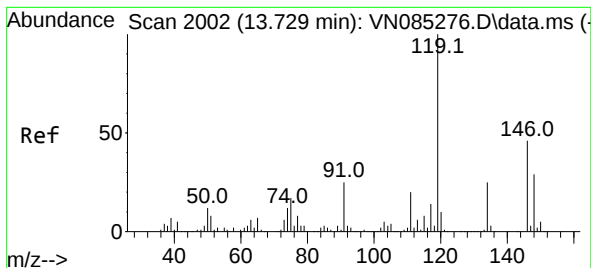
Tgt Ion:105 Resp: 1931
Ion Ratio Lower Upper
105 100
120 48.8 0.0 89.8



#81
sec-Butylbenzene
Concen: 0.603 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. 0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

Tgt Ion:105 Resp: 4302
Ion Ratio Lower Upper
105 100
134 14.9 0.0 39.8





#82

p-Isopropyltoluene

Concen: 0.552 ug/l

RT: 13.723 min Scan# 2000

Delta R.T. -0.006 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

Instrument :

MSVOA_N

ClientSampleId :

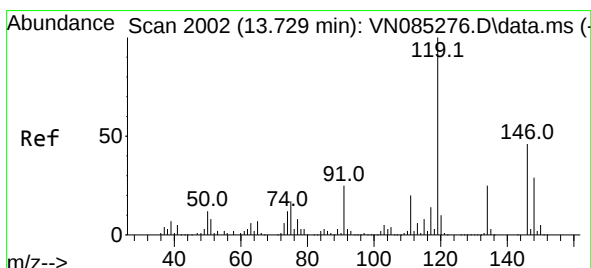
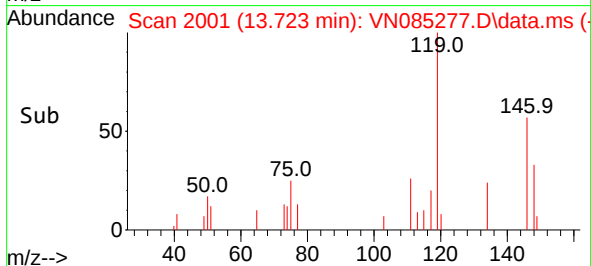
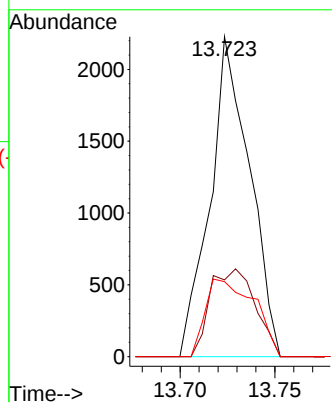
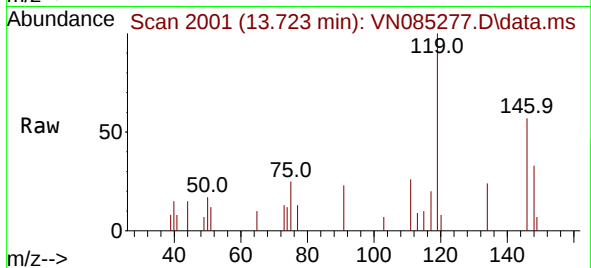
Tgt Ion:119 Resp: 3240

Ion Ratio Lower Upper

119 100

134 31.3 0.0 51.4

91 29.8 0.0 51.4



#83

1,3-Dichlorobenzene

Concen: 0.971 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN085277.D

Acq: 20 Dec 2024 12:06

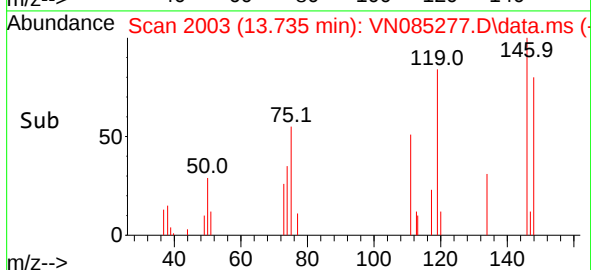
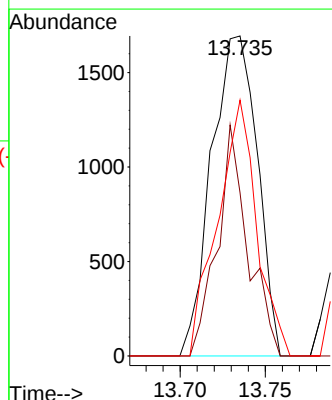
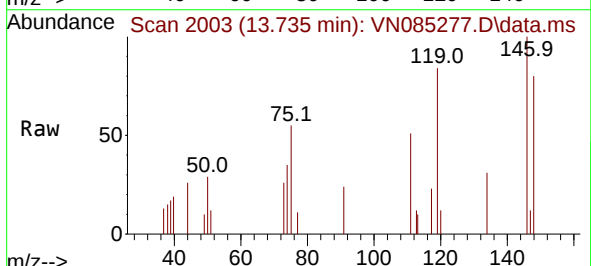
Tgt Ion:146 Resp: 3168

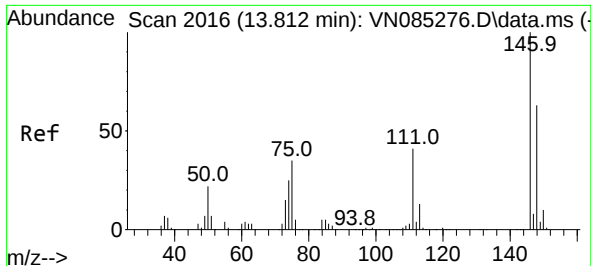
Ion Ratio Lower Upper

146 100

111 48.4 20.4 61.3

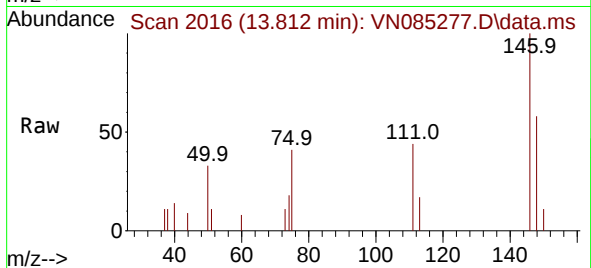
148 68.1 31.1 93.5



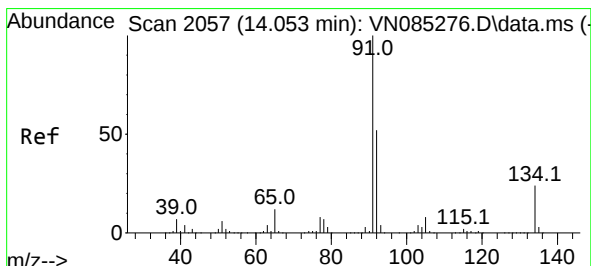
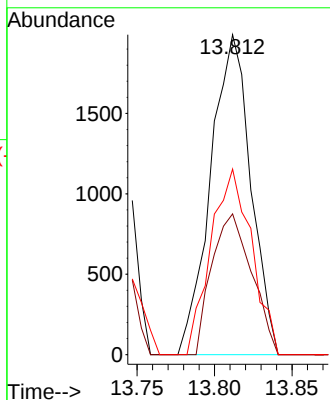
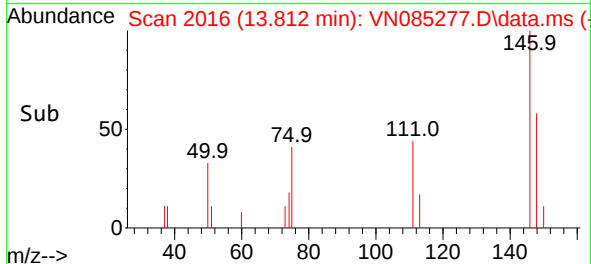


#84
1,4-Dichlorobenzene
Concen: 1.136 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

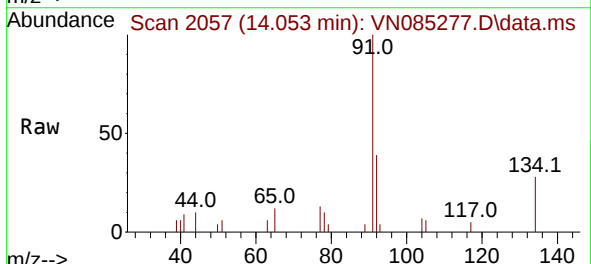
Instrument :
MSVOA_N
ClientSampleId :



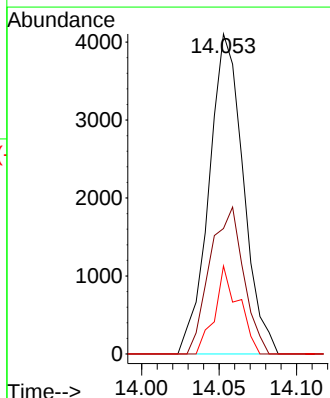
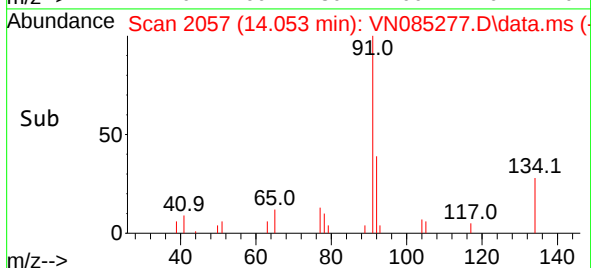
Tgt Ion:146 Resp: 3584
Ion Ratio Lower Upper
146 100
111 43.8 20.7 62.1
148 58.9 33.2 99.6

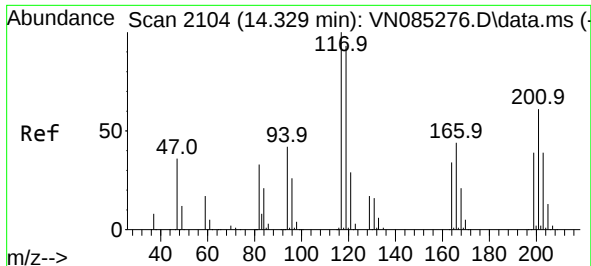


#85
n-Butylbenzene
Concen: 1.243 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06



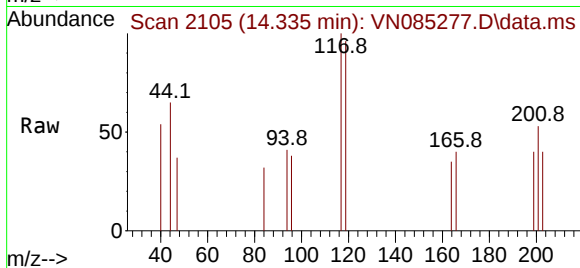
Tgt Ion: 91 Resp: 6305
Ion Ratio Lower Upper
91 100
92 45.2 0.0 102.0
134 19.3 0.0 46.4



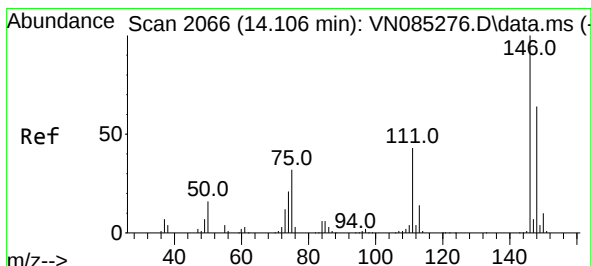
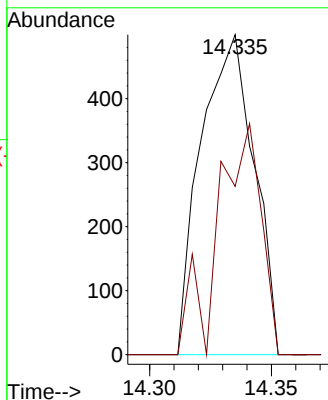
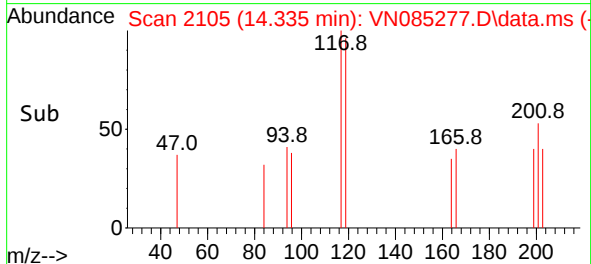


#86
Hexachloroethane
Concen: 0.600 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

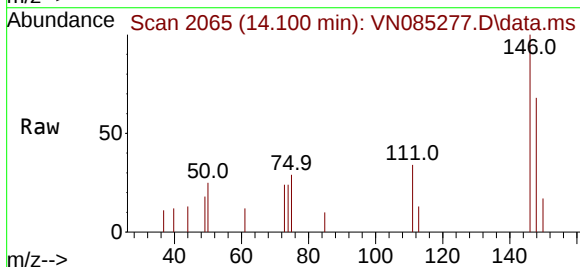
Instrument :
MSVOA_N
ClientSampleId :



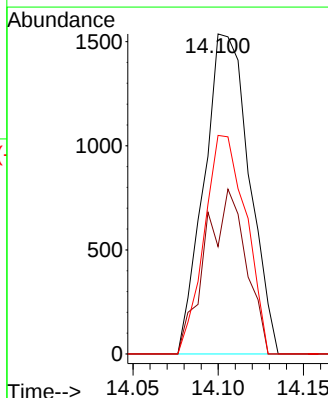
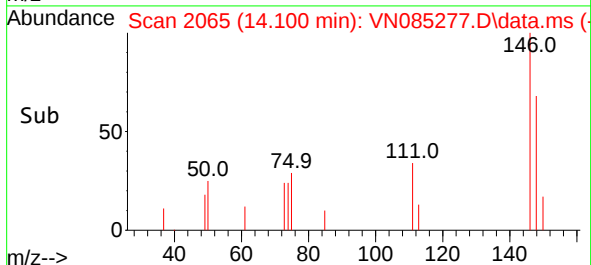
Tgt Ion:117 Resp: 757
Ion Ratio Lower Upper
117 100
201 52.2 31.8 95.3

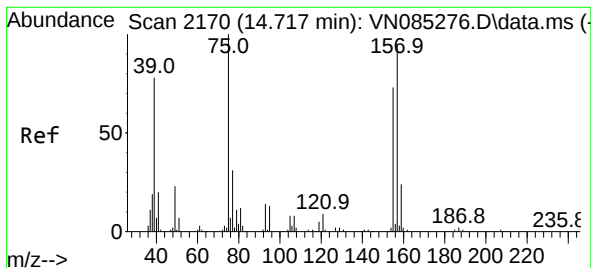


#87
1,2-Dichlorobenzene
Concen: 0.915 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06



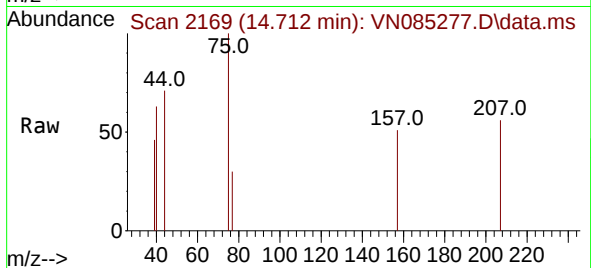
Tgt Ion:146 Resp: 2834
Ion Ratio Lower Upper
146 100
111 46.4 22.1 66.3
148 63.1 32.5 97.4



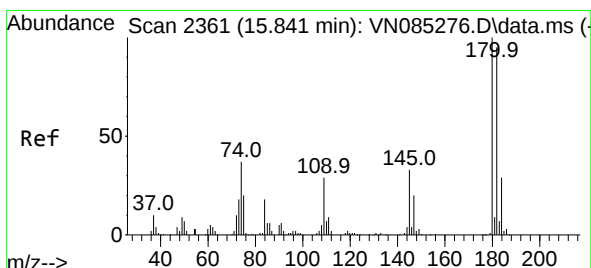
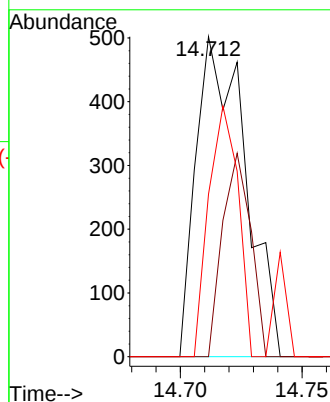
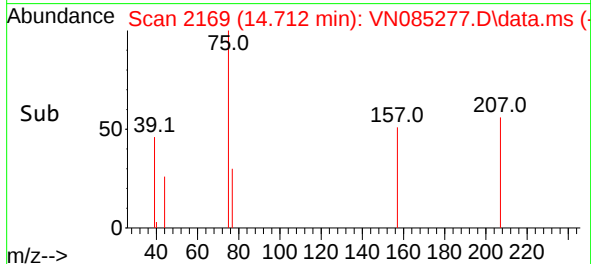


#88
 1,2-Dibromo-3-Chloropropane
 Concen: 1.536 ug/l
 RT: 14.712 min Scan# 2170
 Delta R.T. -0.006 min
 Lab File: VN085277.D
 Acq: 20 Dec 2024 12:06

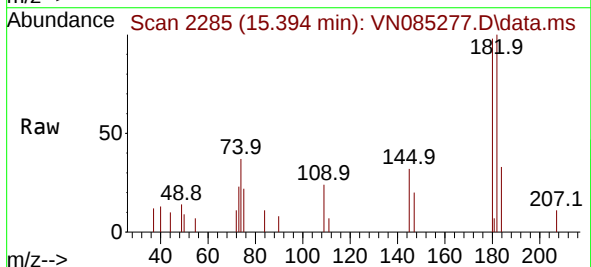
Instrument :
 MSVOA_N
 ClientSampleId :



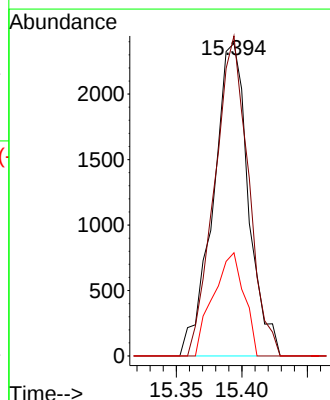
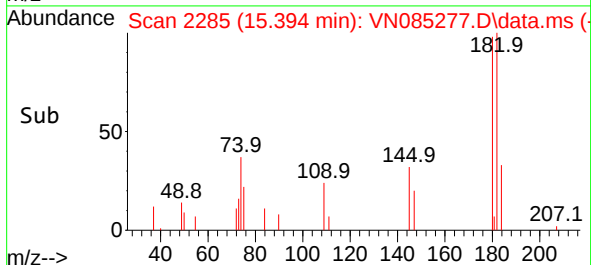
Tgt Ion: 75 Resp: 704
 Ion Ratio Lower Upper
 75 100
 155 36.5 53.4 80.0#
 157 47.0 74.2 111.4#

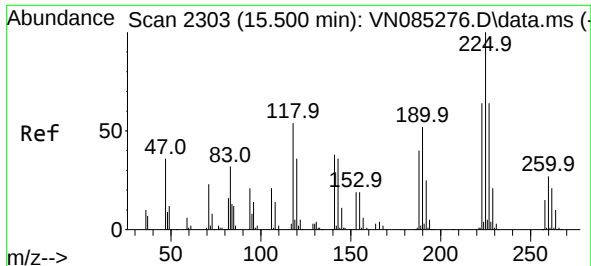


#89
 1,2,4-Trichlorobenzene
 Concen: 3.033 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. -0.441 min
 Lab File: VN085277.D
 Acq: 20 Dec 2024 12:06



Tgt Ion: 180 Resp: 4453
 Ion Ratio Lower Upper
 180 100
 182 98.0 76.5 114.7
 145 28.9 27.4 41.2

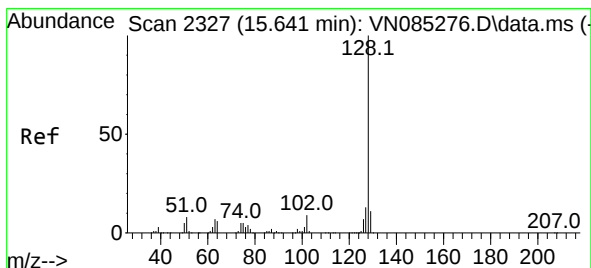
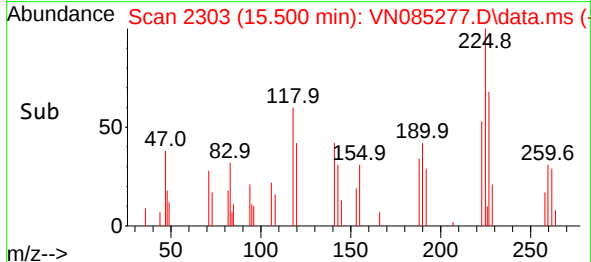
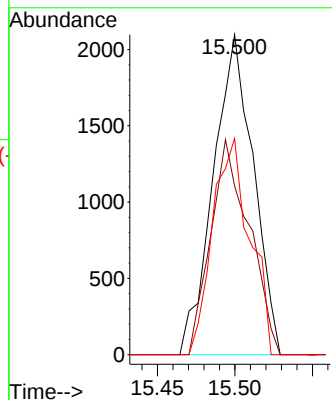
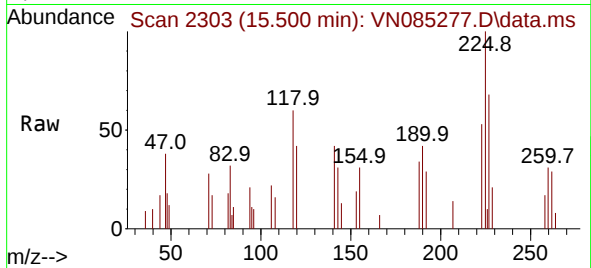




#90
Hexachlorobutadiene
Concen: 5.151 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

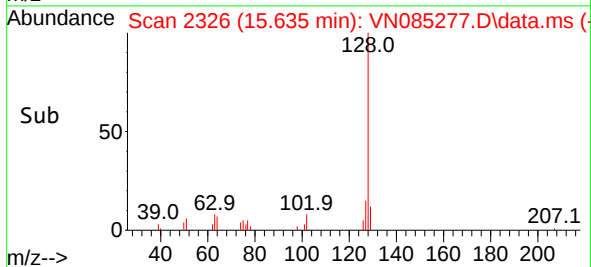
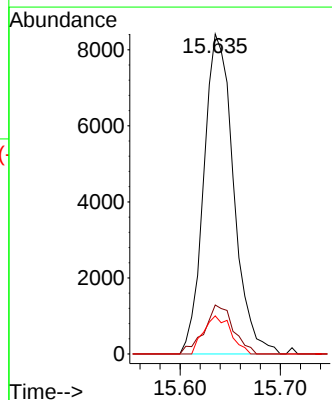
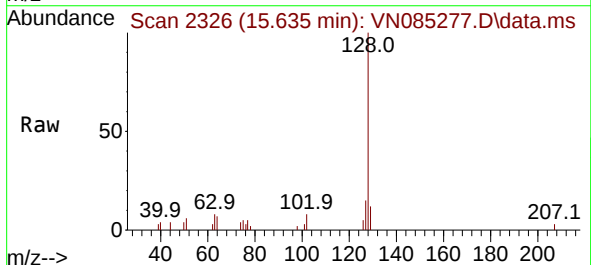
Instrument :
MSVOA_N
ClientSampleId :

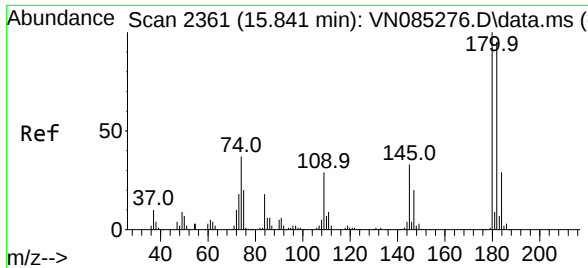
Tgt Ion:225 Resp: 3769
Ion Ratio Lower Upper
225 100
223 64.4 0.0 116.2
227 62.5 0.0 116.4



#91
Naphthalene
Concen: 3.687 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN085277.D
Acq: 20 Dec 2024 12:06

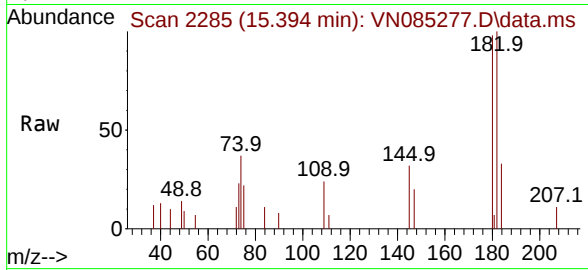
Tgt Ion:128 Resp: 17391
Ion Ratio Lower Upper
128 100
127 14.9 10.6 16.0
129 10.9 8.6 13.0





#92
 1,2,3-Trichlorobenzene
 Concen: 3.033 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. -0.441 min
 Lab File: VN085277.D
 Acq: 20 Dec 2024 12:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	4453
Ion Ratio	Lower	Upper	
180	100		
182	98.0	0.0	191.2
145	28.9	0.0	68.6

