

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
 Data File : VN077858.D
 Acq On : 24 May 2023 17:31
 Operator : JC\MD
 Sample : 02901-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50038

Quant Time: May 25 01:43:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

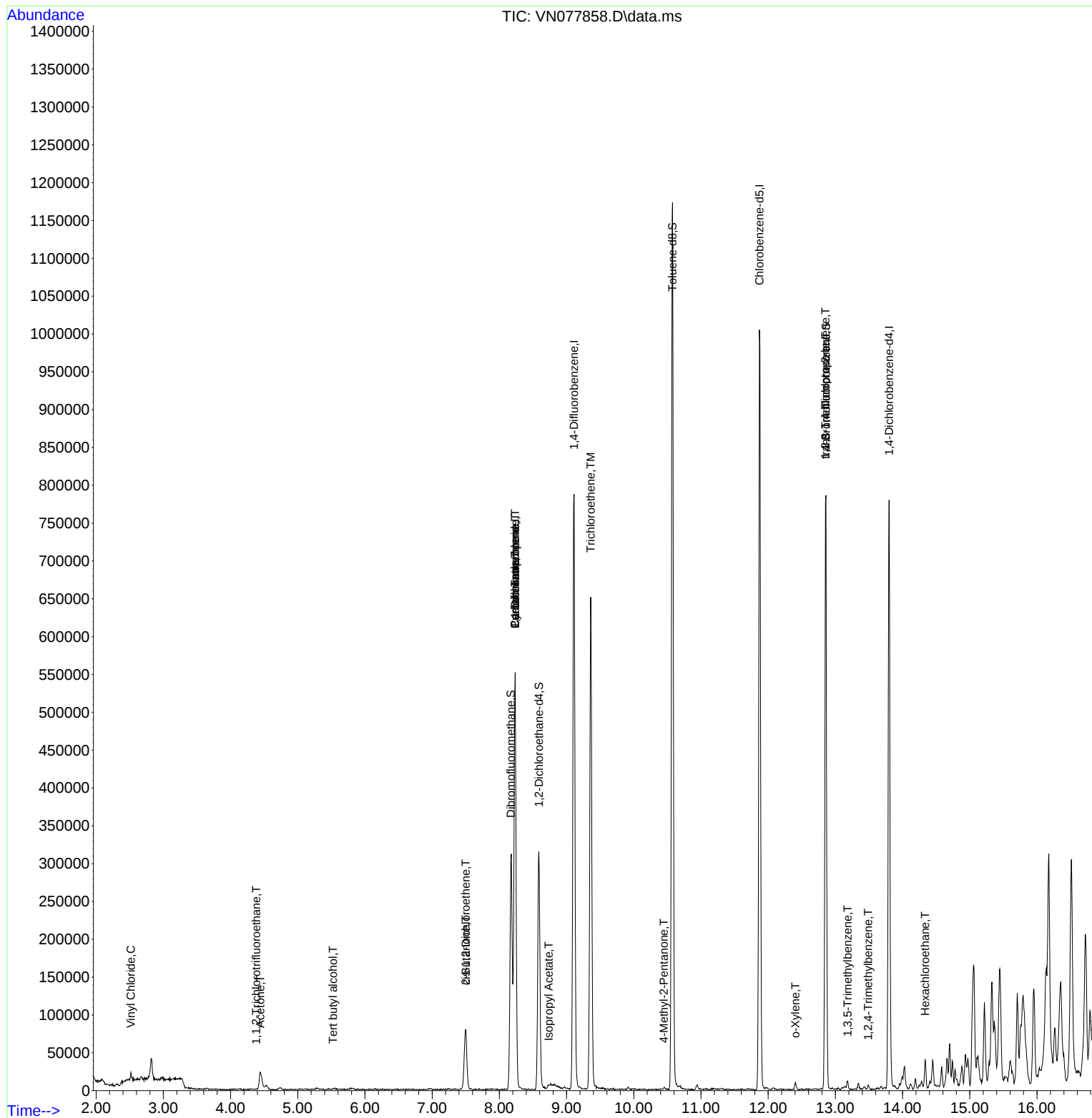
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	390677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	705380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	611630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	208763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	262116	44.840	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.680%
35) Dibromofluoromethane	8.171	113	225090	48.936	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.880%
50) Toluene-d8	10.577	98	866798	48.959	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.920%
62) 4-Bromofluorobenzene	12.859	95	281862	45.077	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	2790	Below Cal	#	84
4) Vinyl Chloride	2.518	62	4820	0.860	ug/l #	32
9) 1,1,2-Trichlorotrifluo...	4.383	101	871	0.201	ug/l #	64
11) Tert butyl alcohol	5.524	59	587	0.728	ug/l	95
16) Acetone	4.442	43	43818	23.826	ug/l	99
20) Methylene Chloride	5.295	84	666	Below Cal	#	77
25) 2-Butanone	7.500	43	4284	1.489	ug/l #	66
27) cis-1,2-Dichloroethene	7.500	96	48946	8.844	ug/l	98
31) Cyclohexane	8.236	56	8966	1.129	ug/l #	25
36) 1,1-Dichloropropene	8.236	75	32112	4.773	ug/l #	48
38) Carbon Tetrachloride	8.236	117	40462	5.956	ug/l #	16
43) Isopropyl Acetate	8.735	43	3294	0.336	ug/l #	49
44) Trichloroethene	9.359	130	236315	47.009	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	3323	0.571	ug/l #	69
69) o-Xylene	12.406	106	2861	0.323	ug/l	77
76) 1,2,3-Trichloropropane	12.853	75	151310	28.941	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.182	105	4819	0.319	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.853	75	151310	92.511	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.488	105	3172	0.213	ug/l	98
90) Hexachloroethane	14.335	117	2790	1.135	ug/l #	21

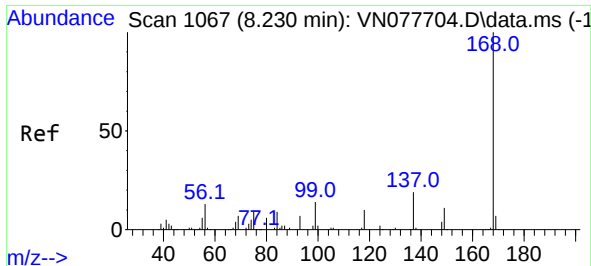
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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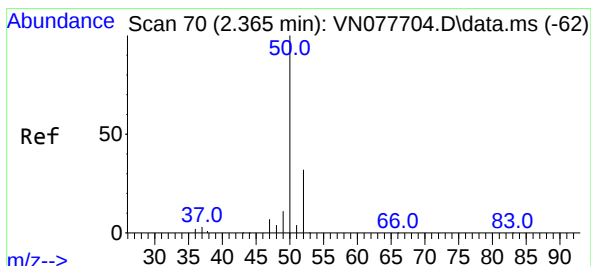
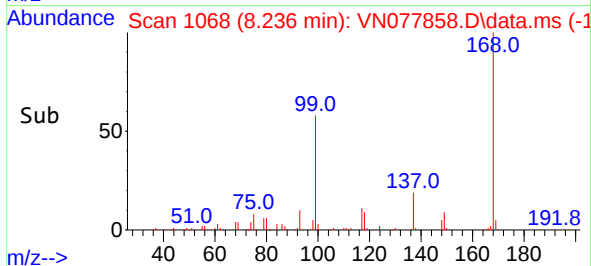
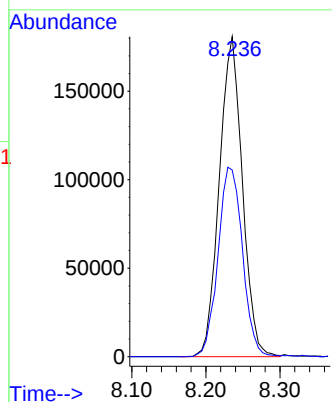
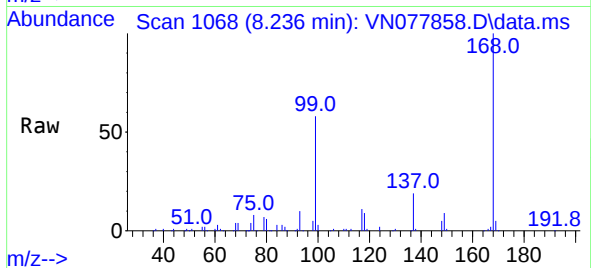




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

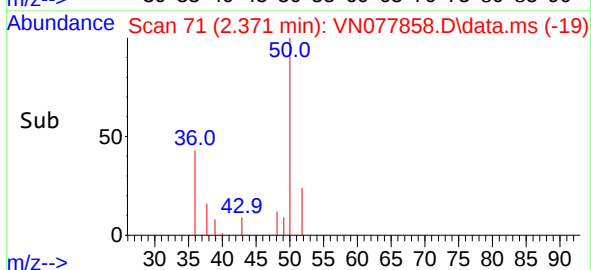
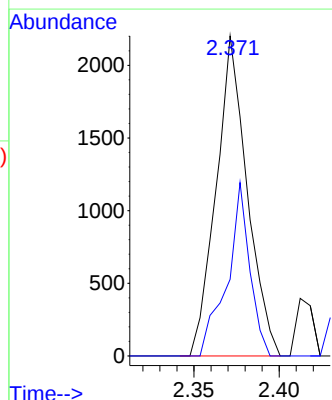
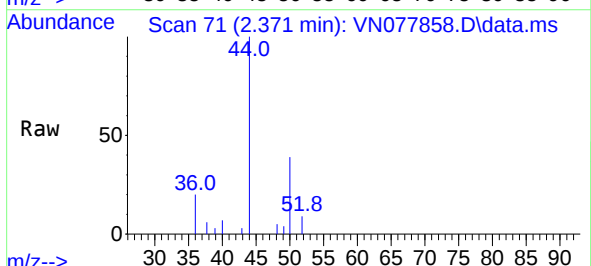
Instrument :
MSVOA_N
ClientSampleId :
50038

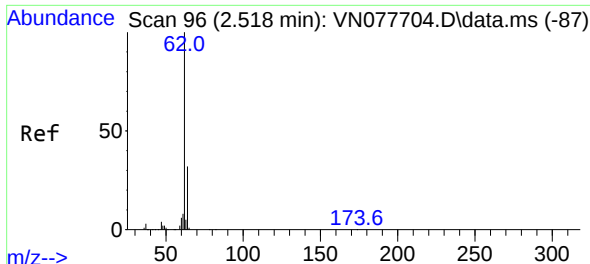
Tgt Ion:168 Resp: 390677
Ion Ratio Lower Upper
168 100
99 58.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Tgt Ion: 50 Resp: 2790
Ion Ratio Lower Upper
50 100
52 24.0 26.5 39.7#

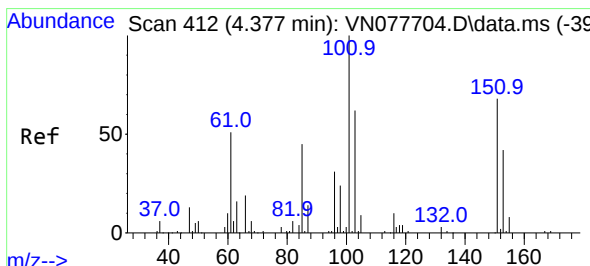
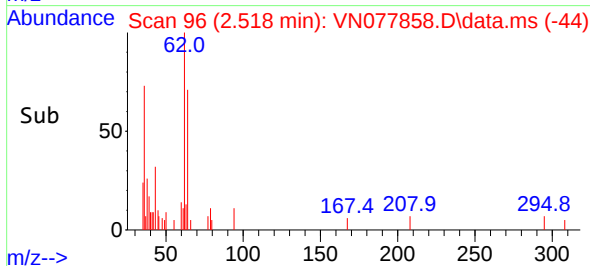
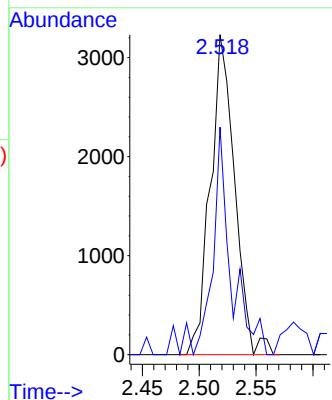
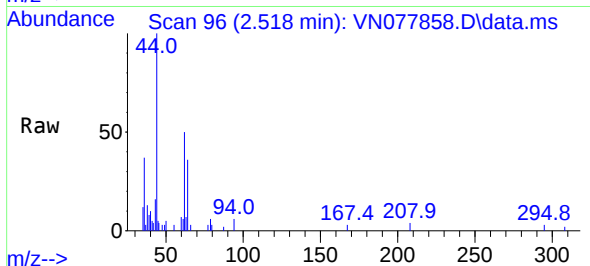




#4
 Vinyl Chloride
 Concen: 0.860 ug/l
 RT: 2.518 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VN077858.D
 Acq: 24 May 2023 17:31

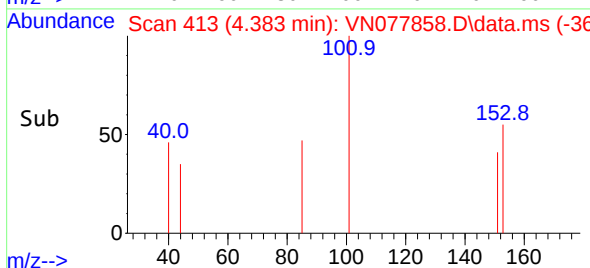
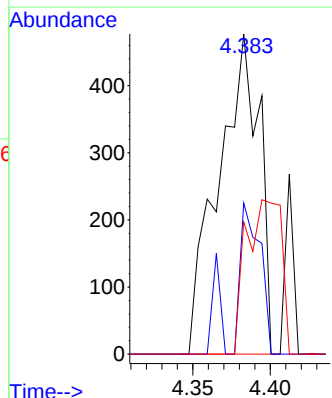
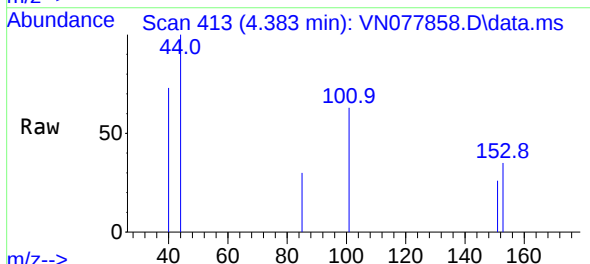
Instrument :
 MSVOA_N
 ClientSampleId :
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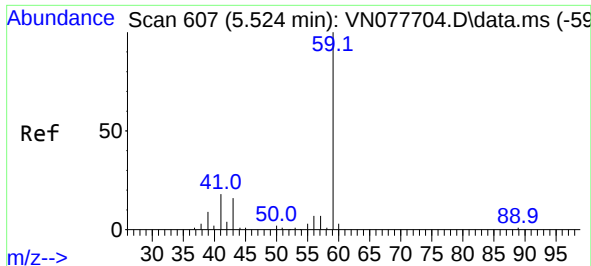
Tgt Ion: 62 Resp: 4820
 Ion Ratio Lower Upper
 62 100
 64 71.1 26.2 39.2#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.201 ug/l
 RT: 4.383 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VN077858.D
 Acq: 24 May 2023 17:31

Tgt Ion: 101 Resp: 871
 Ion Ratio Lower Upper
 101 100
 85 22.8 36.6 55.0#
 151 41.6 57.6 86.4#

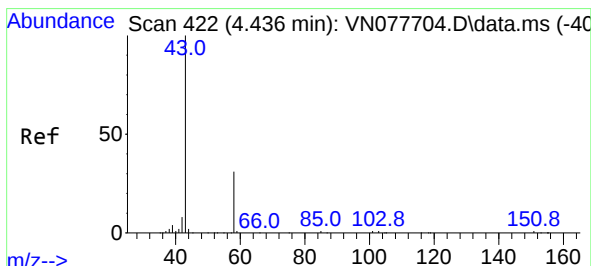
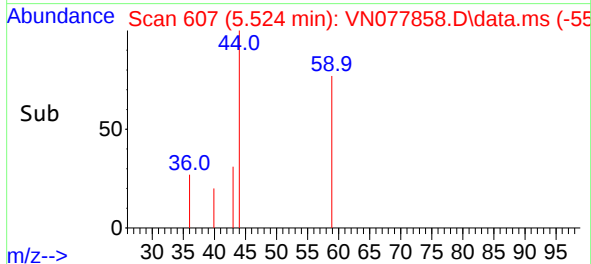
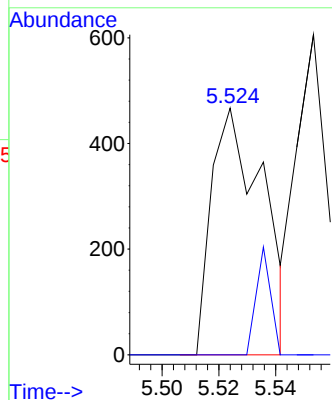
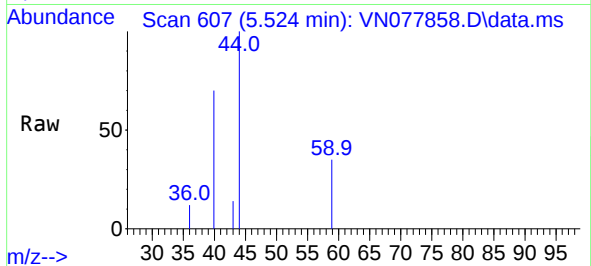




#11
Tert butyl alcohol
Concen: 0.728 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

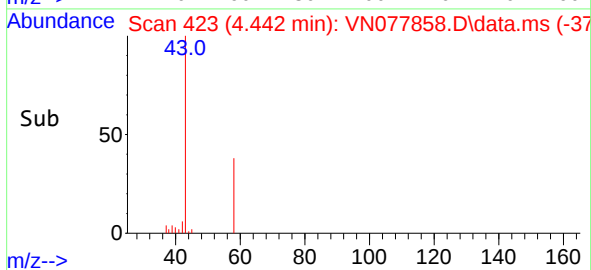
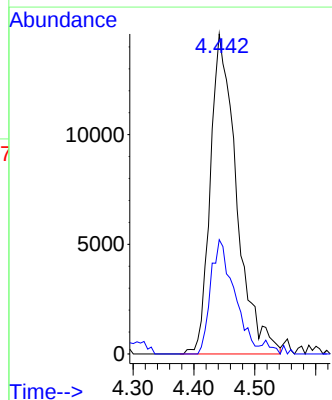
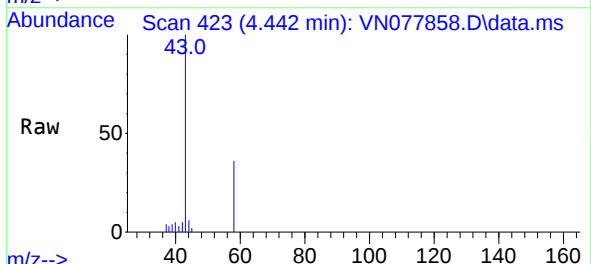
Instrument :
MSVOA_N
ClientSampleId :
50038

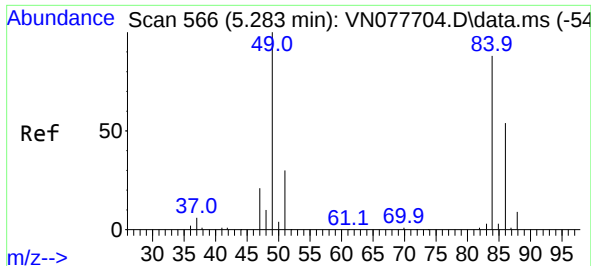
Tgt Ion: 59 Resp: 587
Ion Ratio Lower Upper
59 100
57 12.3 8.2 12.4



#16
Acetone
Concen: 23.826 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

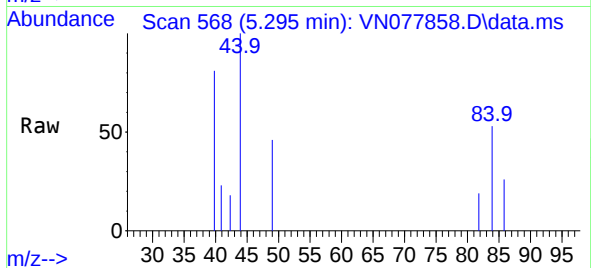
Tgt Ion: 43 Resp: 43818
Ion Ratio Lower Upper
43 100
58 35.7 28.0 42.0





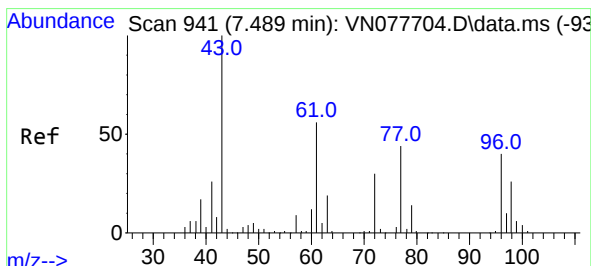
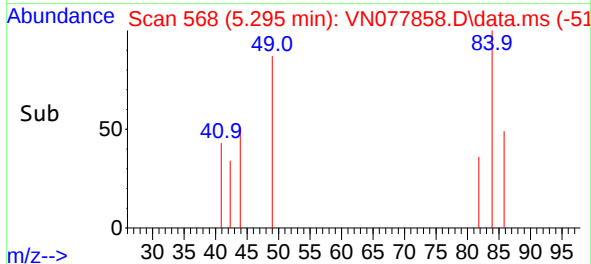
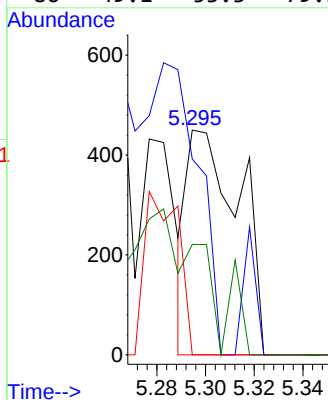
#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 50
Delta R.T. 0.012 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Instrument :
MSVOA_N
ClientSampleId :
50038



Tgt Ion: 84 Resp: 666

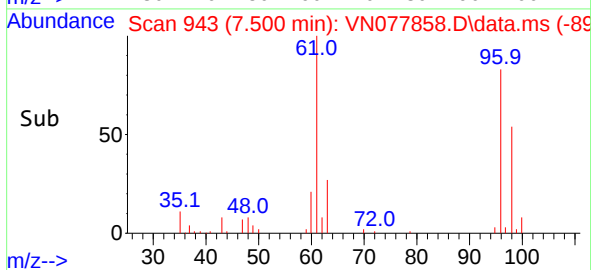
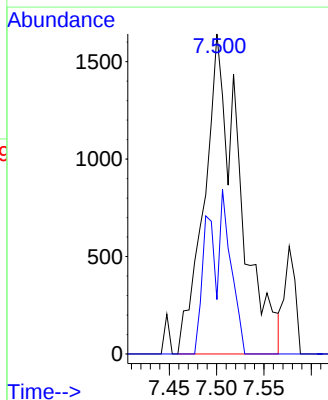
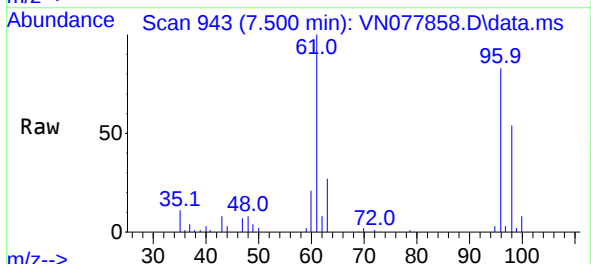
Ion	Ratio	Lower	Upper
84	100		
49	87.1	79.7	119.5
51	0.0	25.2	37.8#
86	49.1	53.3	79.9#

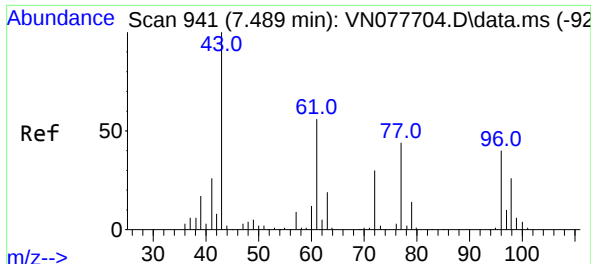


#25
2-Butanone
Concen: 1.489 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Tgt Ion: 43 Resp: 4284

Ion	Ratio	Lower	Upper
43	100		
72	17.0	30.2	45.2#

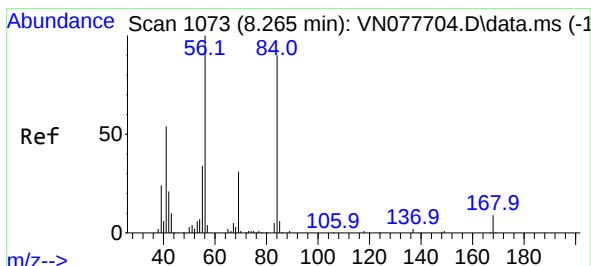
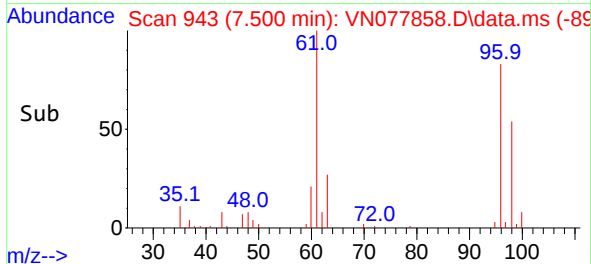
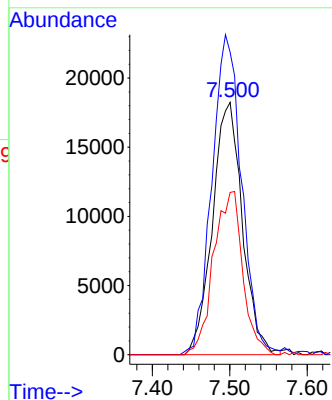
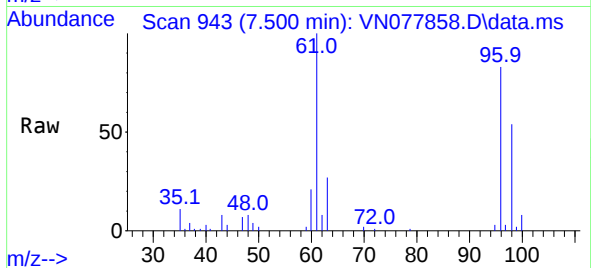




#27
cis-1,2-Dichloroethene
Concen: 8.844 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

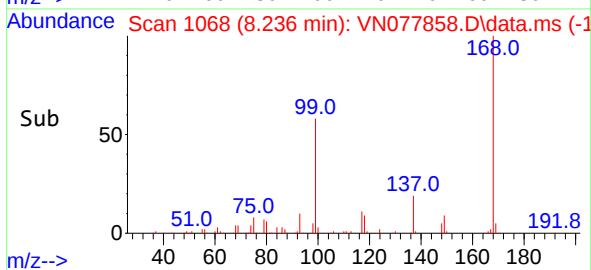
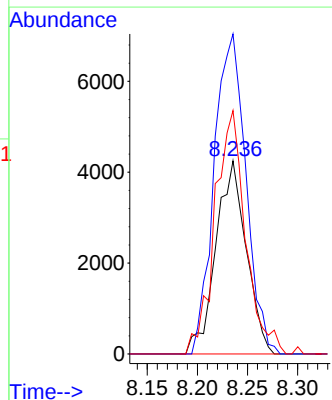
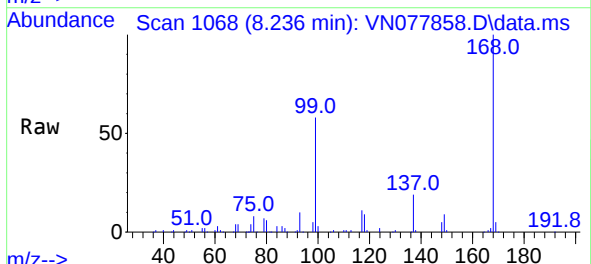
Instrument :
MSVOA_N
ClientSampleId :
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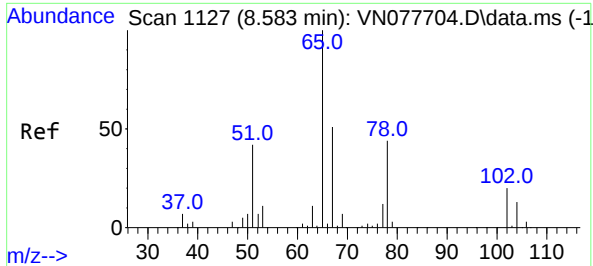
Tgt Ion: 96 Resp: 48946
Ion Ratio Lower Upper
96 100
61 125.8 0.0 255.2
98 63.1 0.0 128.8



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Tgt Ion: 56 Resp: 8966
Ion Ratio Lower Upper
56 100
69 165.7 26.8 40.2#
84 126.0 81.8 122.6#

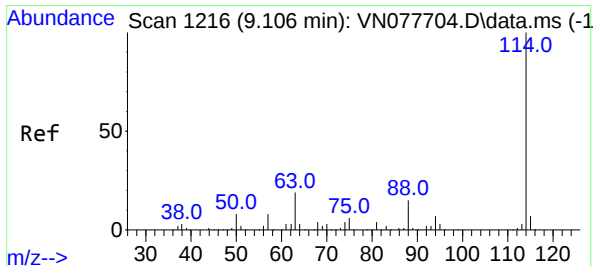
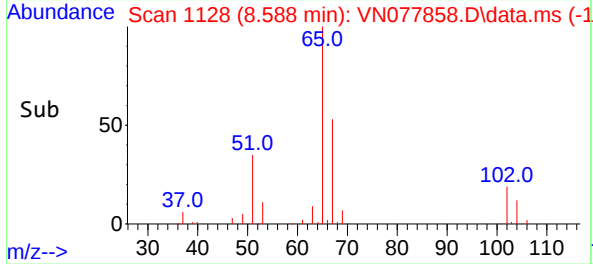
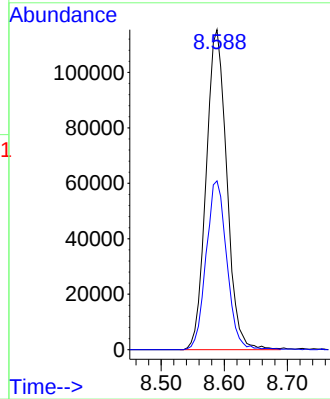
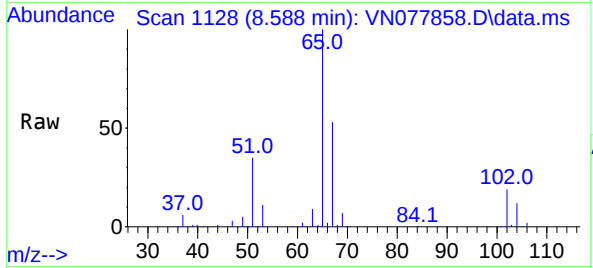




#33
1,2-Dichloroethane-d4
Concen: 44.840 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

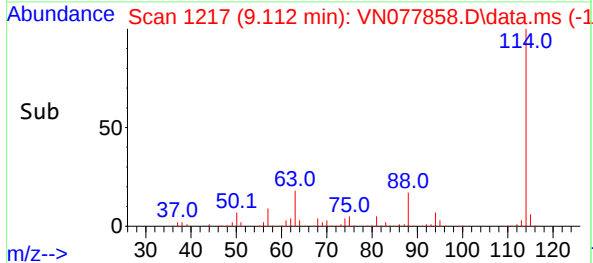
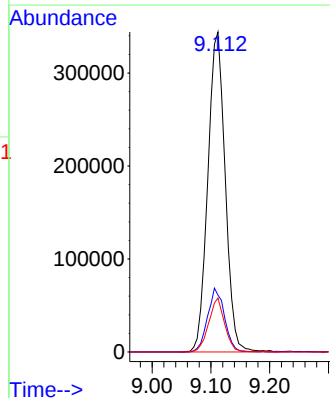
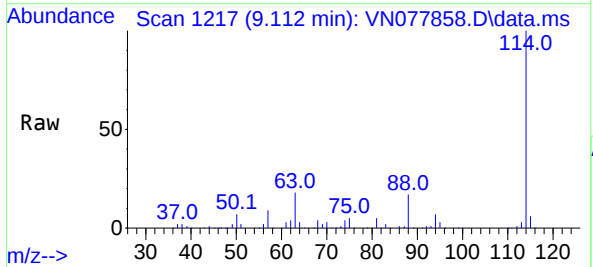
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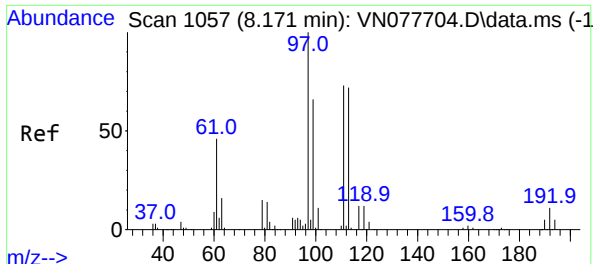
Tgt Ion: 65 Resp: 262116
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Tgt Ion: 114 Resp: 705380
Ion Ratio Lower Upper
114 100
63 17.7 0.0 36.4
88 16.8 0.0 30.6

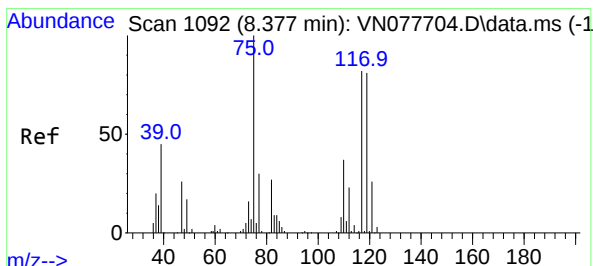
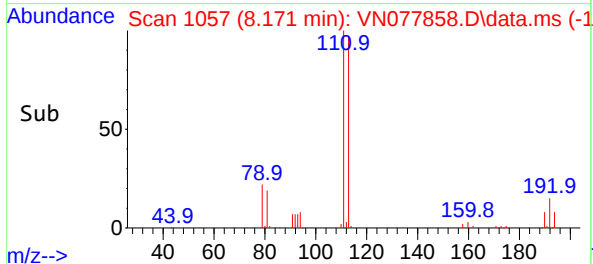
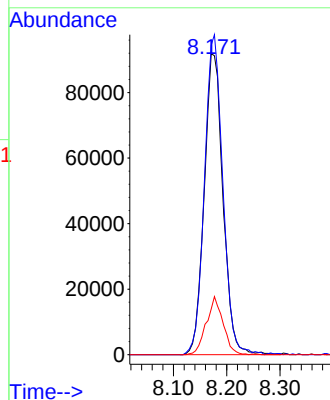
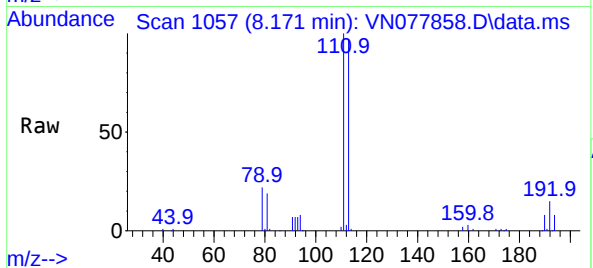




#35
Dibromofluoromethane
Concen: 48.936 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

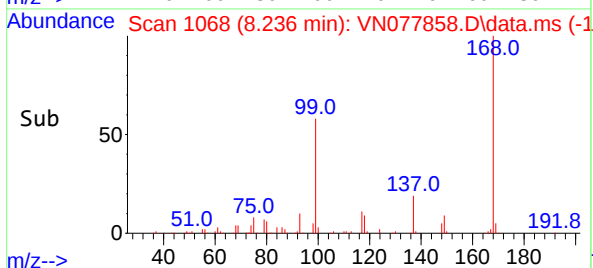
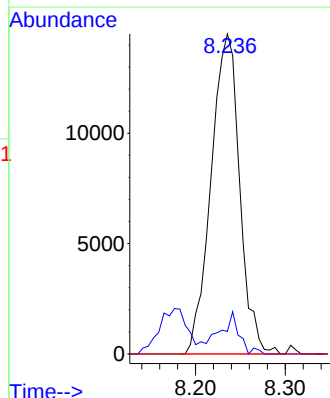
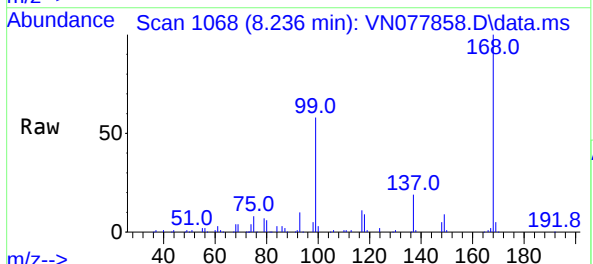
Instrument :
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ClientSampleId :
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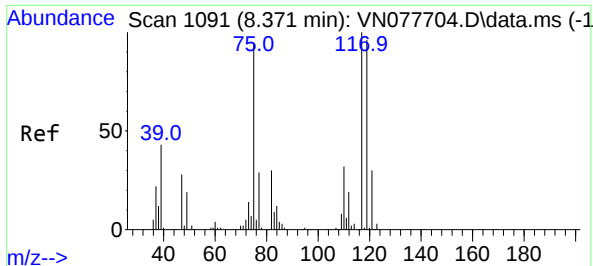
Tgt Ion:113 Resp: 225090
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 17.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.773 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Tgt Ion: 75 Resp: 32112
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#

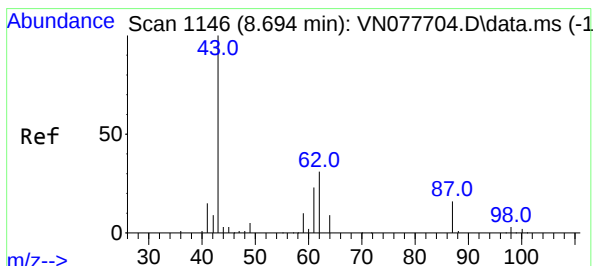
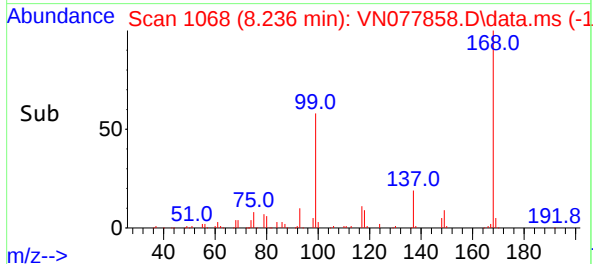
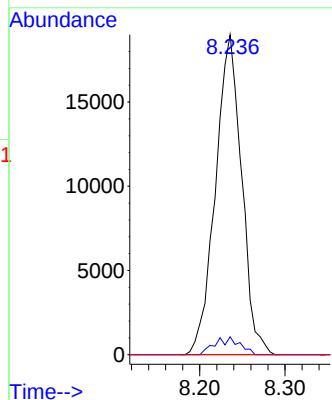
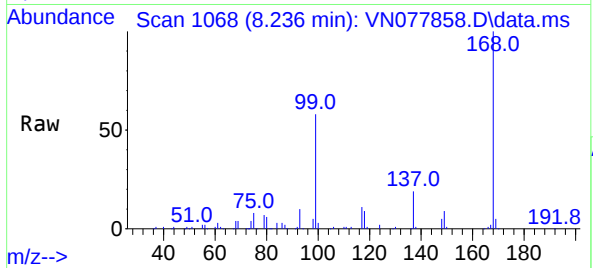




#38
Carbon Tetrachloride
Concen: 5.956 ug/l
RT: 8.236 min Scan# 1103
Delta R.T. -0.136 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

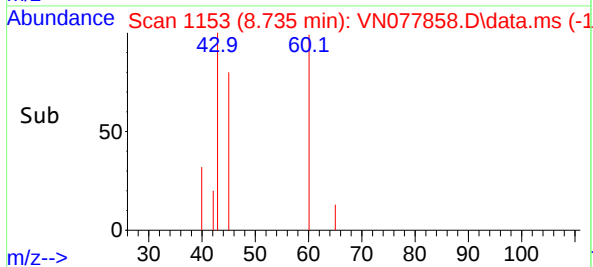
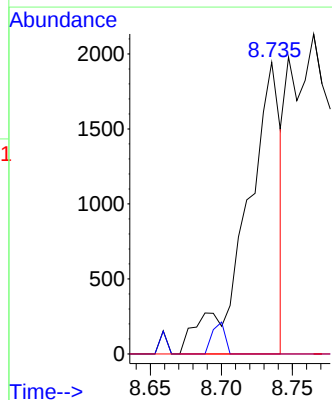
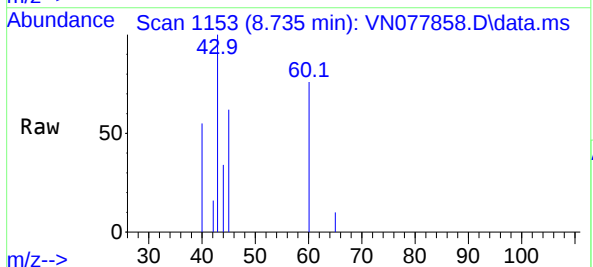
Instrument :
MSVOA_N
ClientSampleId :
50038

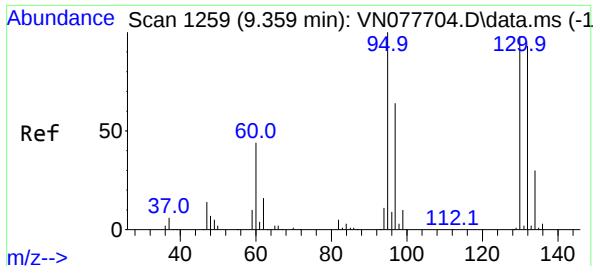
Tgt Ion:117 Resp: 40462
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.336 ug/l
RT: 8.735 min Scan# 1153
Delta R.T. 0.041 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Tgt Ion: 43 Resp: 3294
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

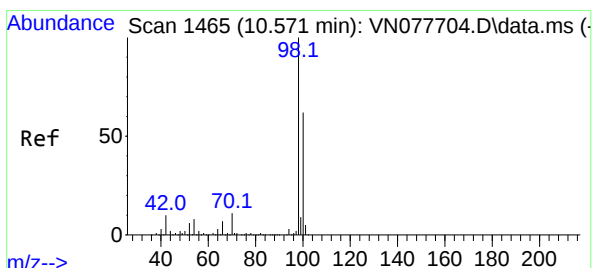
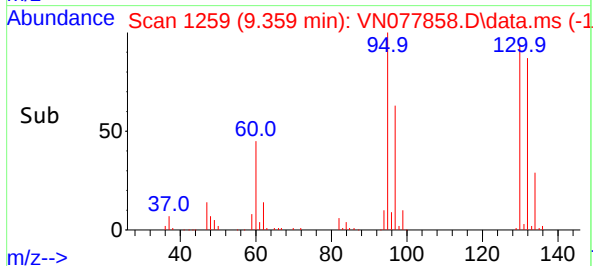
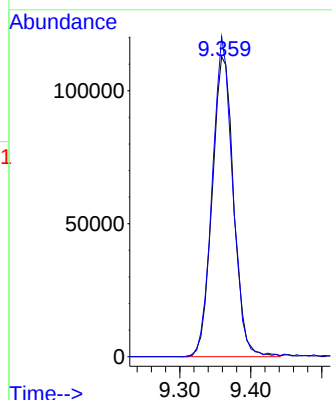
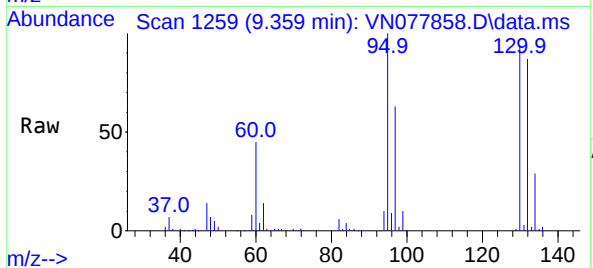




#44
Trichloroethene
Concen: 47.009 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

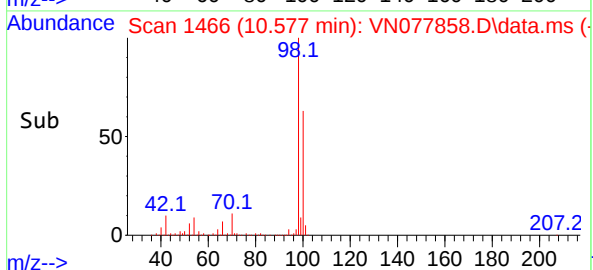
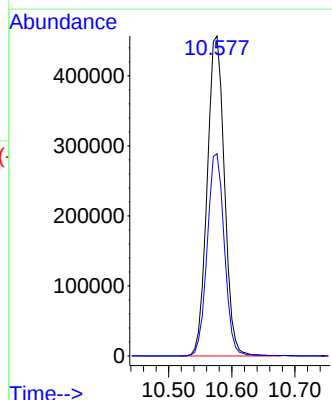
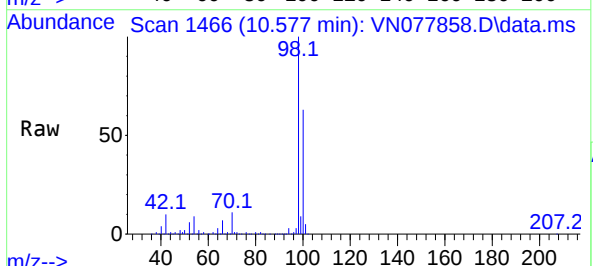
Instrument :
MSVOA_N
ClientSampleId :
50038

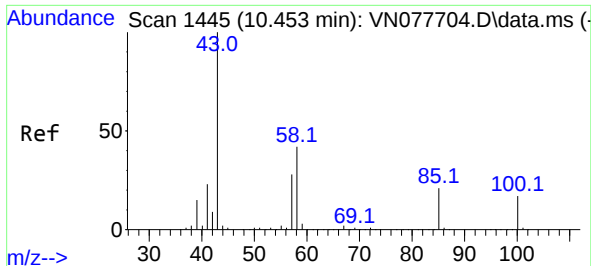
Tgt Ion:130 Resp: 236315
Ion Ratio Lower Upper
130 100
95 106.7 0.0 204.6



#50
Toluene-d8
Concen: 48.959 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Tgt Ion: 98 Resp: 866798
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0

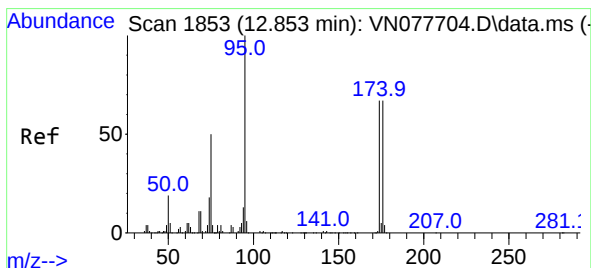
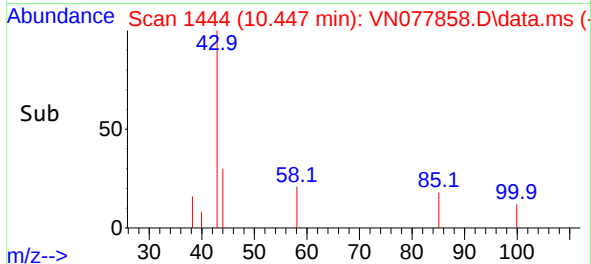
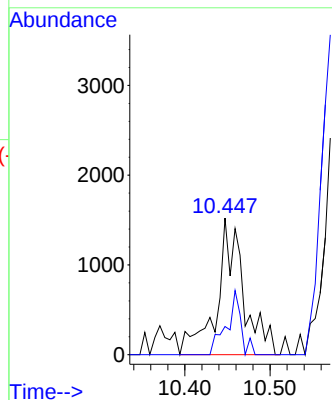
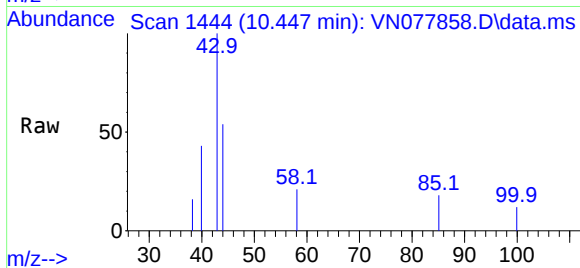




#51
4-Methyl-2-Pentanone
Concen: 0.571 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

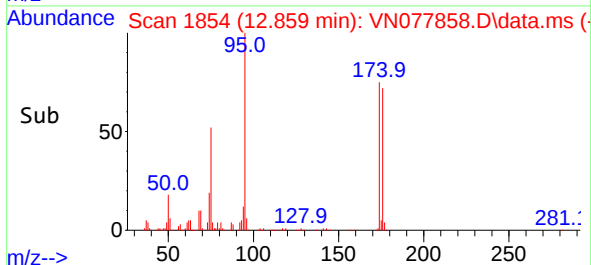
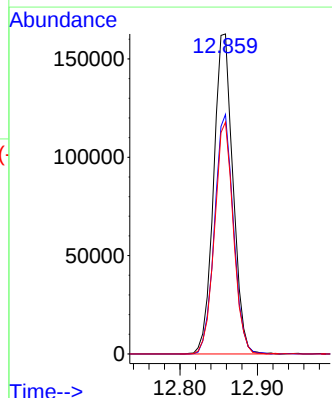
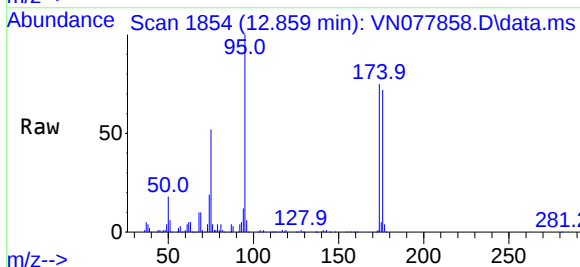
Instrument :
MSVOA_N
ClientSampleId :
50038

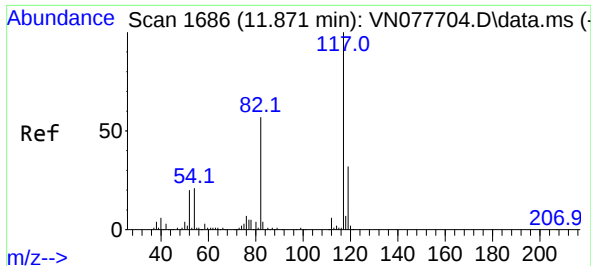
Tgt Ion: 43 Resp: 3323
Ion Ratio Lower Upper
43 100
58 25.3 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 45.077 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

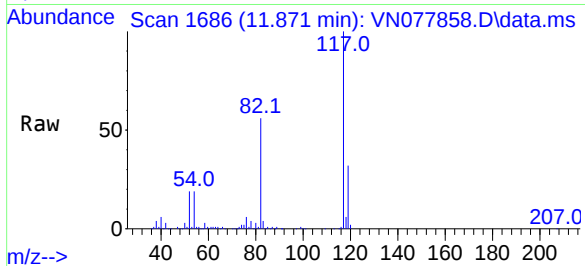
Tgt Ion: 95 Resp: 281862
Ion Ratio Lower Upper
95 100
174 73.2 0.0 143.8
176 70.3 0.0 135.8



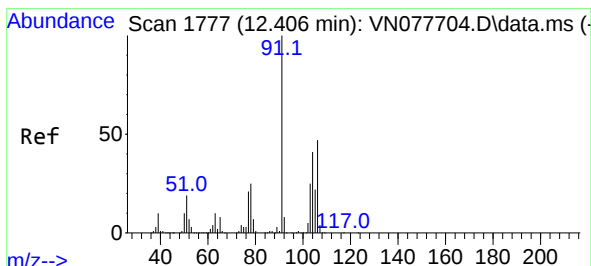
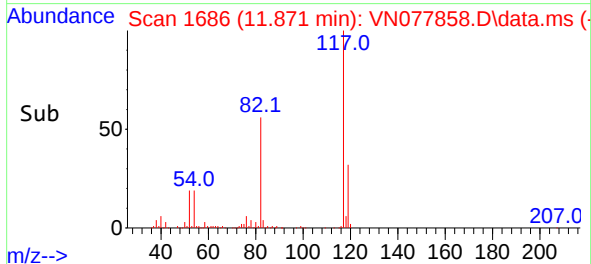
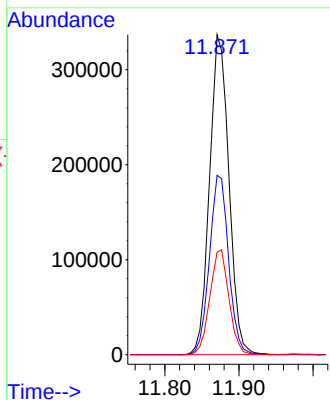


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.001 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Instrument :
MSVOA_N
ClientSampleId :
50038

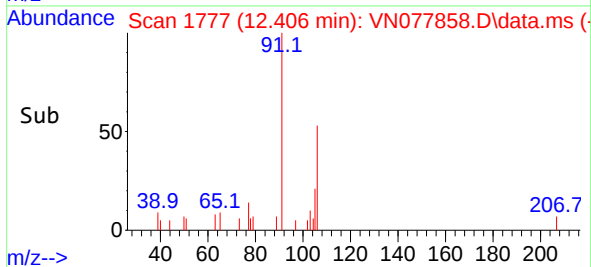
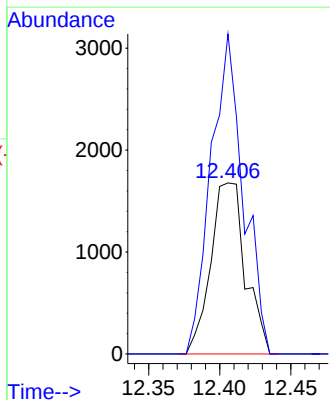
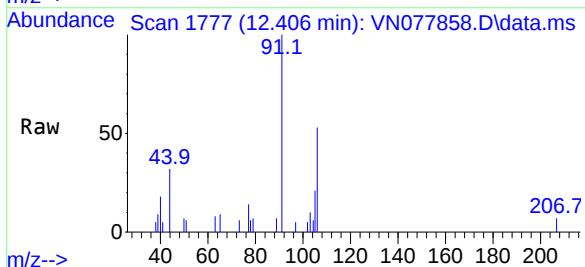


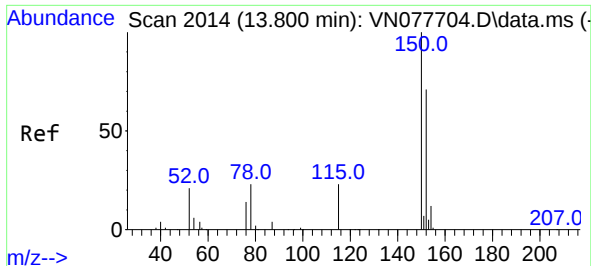
Tgt Ion:117 Resp: 611630
Ion Ratio Lower Upper
117 100
82 56.1 44.0 66.0
119 32.0 25.6 38.4



#69
o-Xylene
Concen: 0.323 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

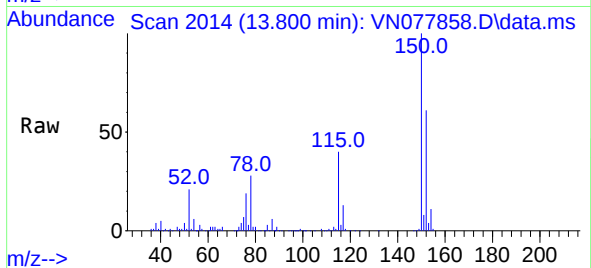
Tgt Ion:106 Resp: 2861
Ion Ratio Lower Upper
106 100
91 174.6 105.2 315.5



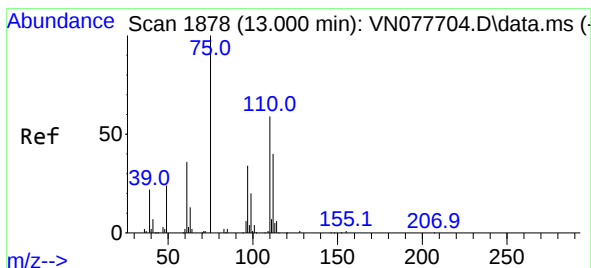
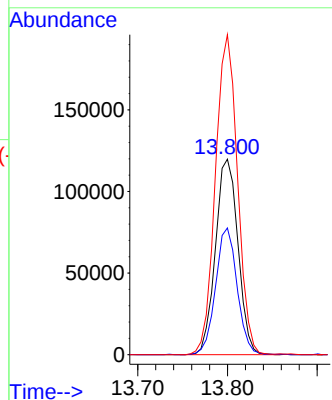
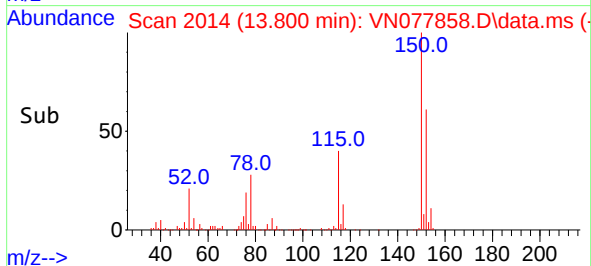


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Instrument :
MSVOA_N
ClientSampleId :
50038

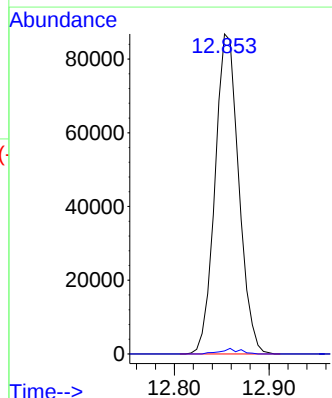
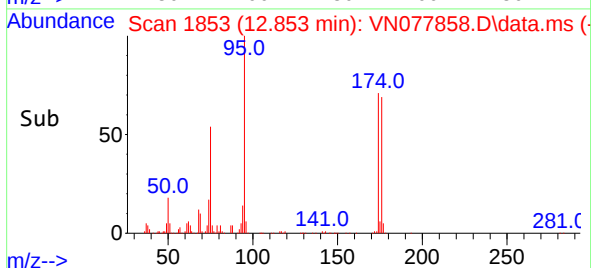
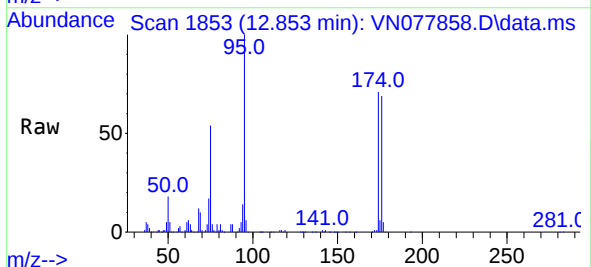


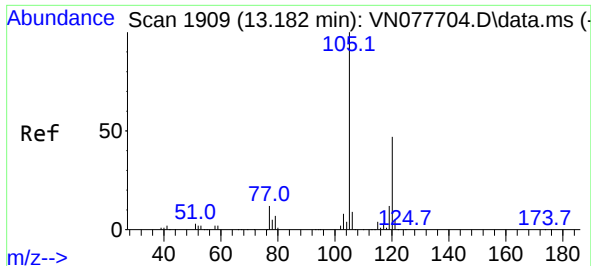
Tgt Ion:152 Resp: 208763
Ion Ratio Lower Upper
152 100
115 62.3 32.3 96.8
150 160.6 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 28.941 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Tgt Ion: 75 Resp: 151310
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#

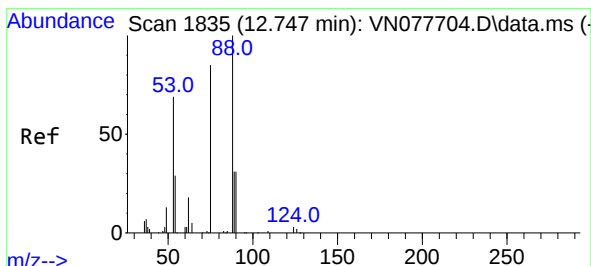
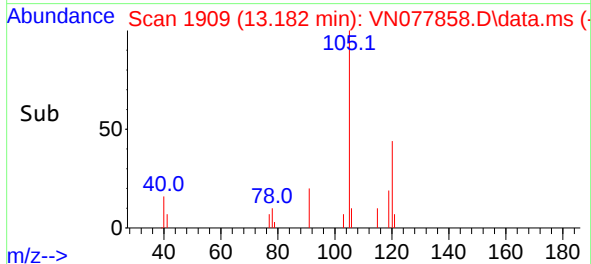
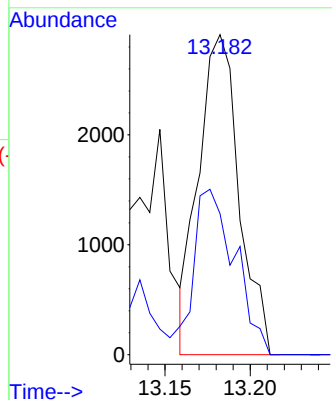
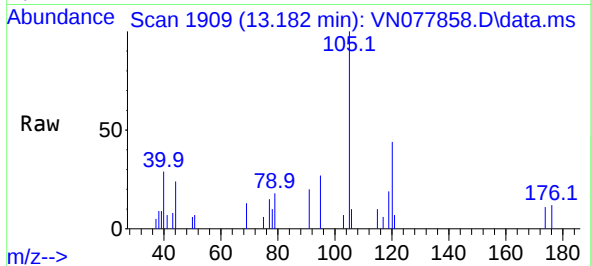




#80
1,3,5-Trimethylbenzene
Concen: 0.319 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

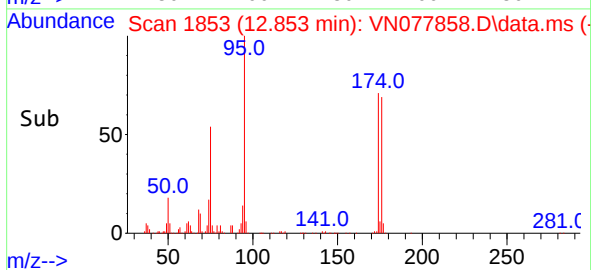
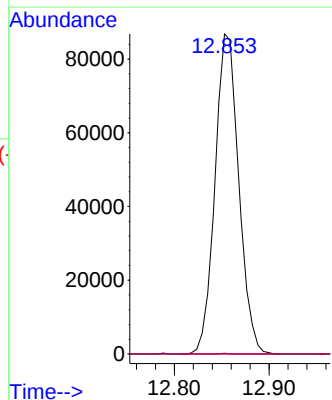
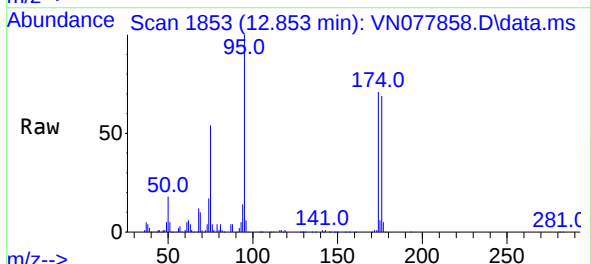
Instrument :
MSVOA_N
ClientSampleId :
50038

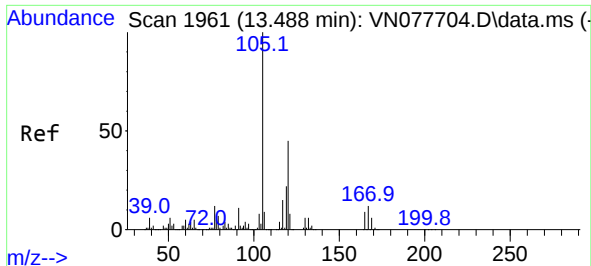
Tgt Ion:105 Resp: 4819
Ion Ratio Lower Upper
105 100
120 52.8 24.1 72.3



#81
trans-1,4-Dichloro-2-butene
Concen: 92.511 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Tgt Ion: 75 Resp: 151310
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

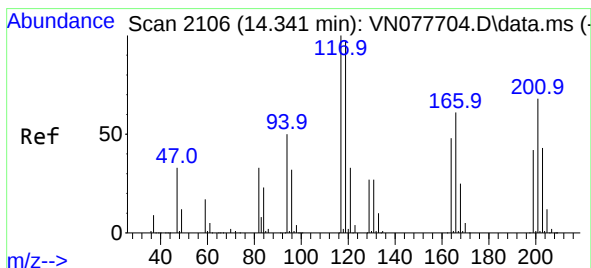
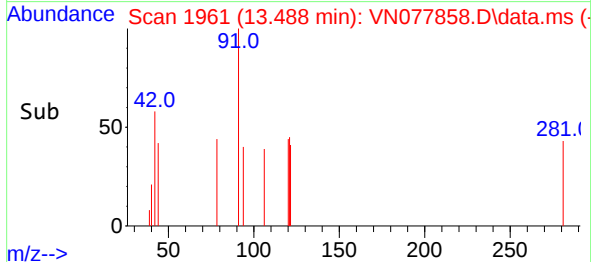
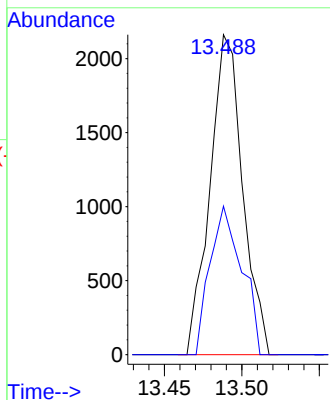
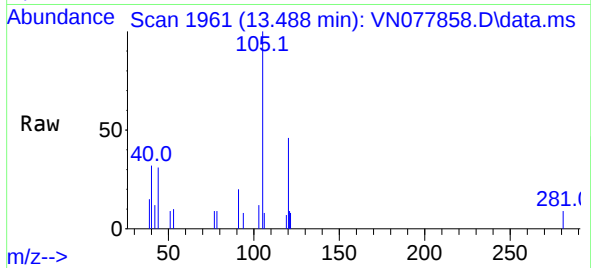




#84
1,2,4-Trimethylbenzene
Concen: 0.213 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Instrument :
MSVOA_N
ClientSampleId :
50038

Tgt Ion:105 Resp: 3172
Ion Ratio Lower Upper
105 100
120 45.2 22.0 66.0



#90
Hexachloroethane
Concen: 1.135 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.006 min
Lab File: VN077858.D
Acq: 24 May 2023 17:31

Tgt Ion:117 Resp: 2790
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#

