

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077835.D
 Acq On : 24 May 2023 03:02
 Operator : JC\MD
 Sample : 02886-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: May 24 05:59:06 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)

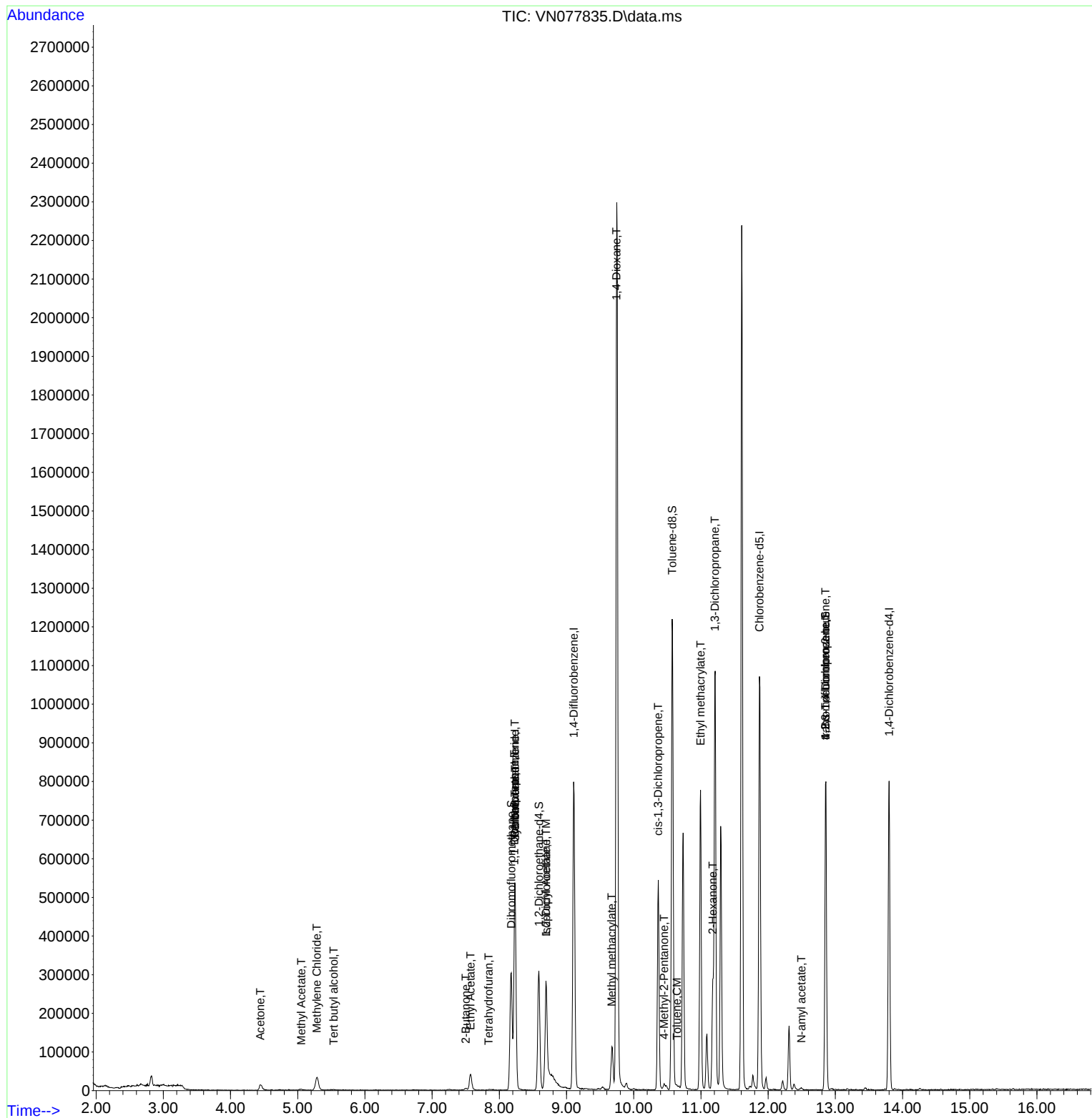
Internal Standards						
1) Pentafluorobenzene	8.230	168	391431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	712270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	658197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	216989	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	255383	43.604	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.200%
35) Dibromofluoromethane	8.177	113	224012	48.230	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.460%
50) Toluene-d8	10.571	98	887336	49.634	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.260%
62) 4-Bromofluorobenzene	12.853	95	291036	46.094	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1185	Below Cal		90
11) Tert butyl alcohol	5.536	59	1527	1.889 ug/l #		72
13) Acrolein	4.195	56	265	Below Cal		91
16) Acetone	4.442	43	28489	15.461 ug/l #		86
18) Methyl Acetate	5.053	43	4459	0.577 ug/l #		73
20) Methylene Chloride	5.283	84	28488	4.127 ug/l		94
25) 2-Butanone	7.500	43	7875	2.732 ug/l #		72
29) Tetrahydrofuran	7.841	42	641	0.340 ug/l #		31
31) Cyclohexane	8.236	56	9087	1.142 ug/l #		42
36) 1,1-Dichloropropene	8.224	75	34215	5.036 ug/l #		47
37) Ethyl Acetate	7.571	43	59523	9.830 ug/l		97
38) Carbon Tetrachloride	8.230	117	43508	6.342 ug/l #		17
42) 1,2-Dichloroethane	8.694	62	2451	0.337 ug/l #		73
43) Isopropyl Acetate	8.694	43	338977	34.273 ug/l #		78
48) Methyl methacrylate	9.671	41	6577	1.403 ug/l #		30
49) 1,4-Dioxane	9.741	88	358	4.042 ug/l #		1
51) 4-Methyl-2-Pentanone	10.453	43	17441	2.967 ug/l #		67
52) Toluene	10.641	92	3592	0.288 ug/l		86
54) cis-1,3-Dichloropropene	10.365	75	103958	12.716 ug/l #		67
56) Ethyl methacrylate	10.994	69	2677	0.357 ug/l #		1
57) 1,3-Dichloropropane	11.206	76	12849	1.512 ug/l #		42
59) 2-Hexanone	11.177	43	212633	48.899 ug/l #		19
74) N-amyl acetate	12.494	43	4028	0.583 ug/l #		40
76) 1,2,3-Trichloropropane	12.853	75	149678	27.544 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	149678	88.044 ug/l #		15

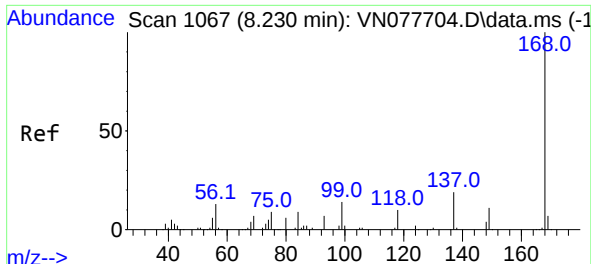
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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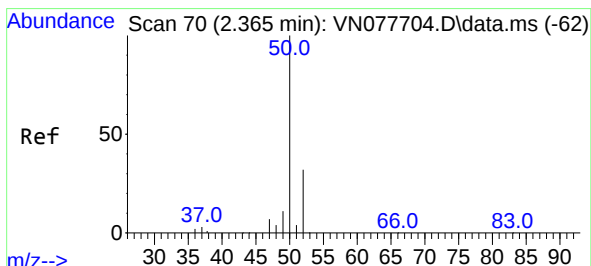
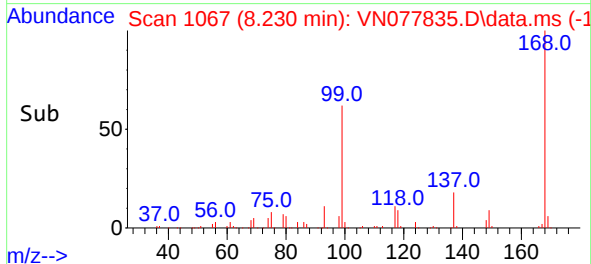
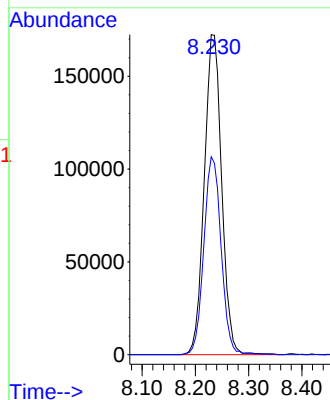
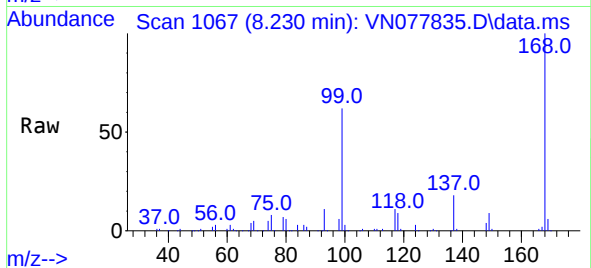




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

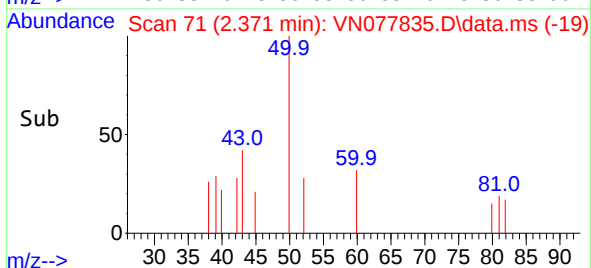
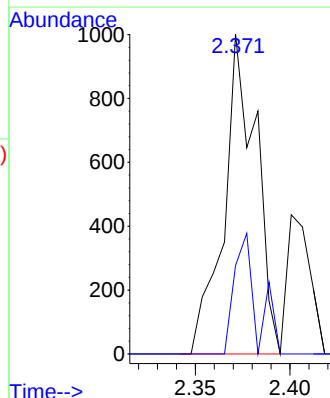
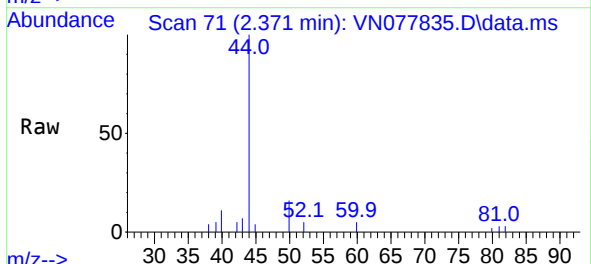
Instrument :
MSVOA_N
ClientSampleId :
WC-1

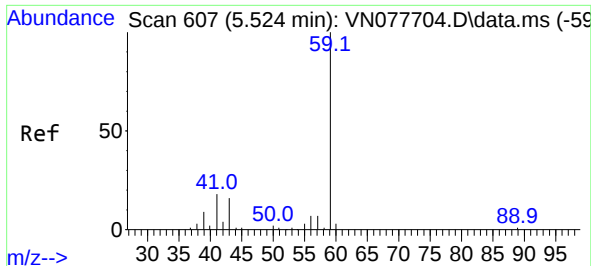
Tgt Ion:168 Resp: 391431
Ion Ratio Lower Upper
168 100
99 61.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Tgt Ion: 50 Resp: 1185
Ion Ratio Lower Upper
50 100
52 27.6 26.5 39.7





#11

Tert butyl alcohol

Concen: 1.889 ug/l

RT: 5.536 min Scan# 607

Delta R.T. 0.006 min

Lab File: VN077835.D

Acq: 24 May 2023 03:02

Instrument :

MSVOA_N

ClientSampleId :

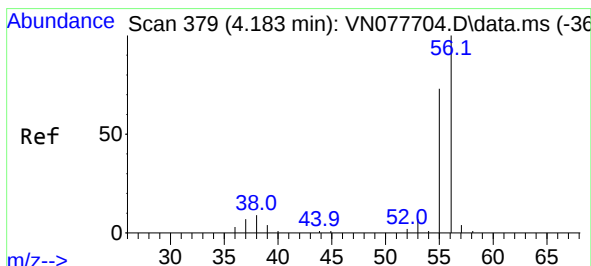
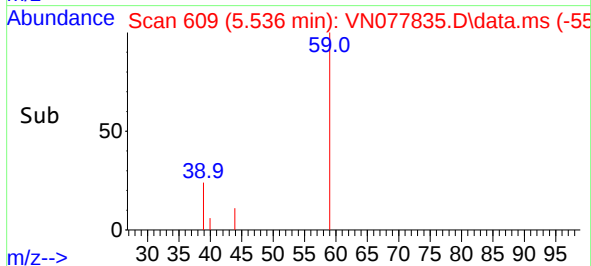
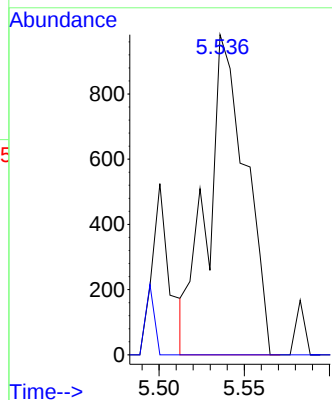
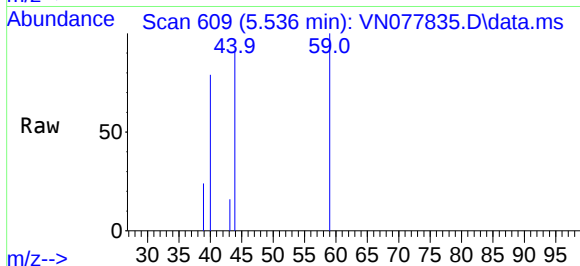
WC-1

Tgt Ion: 59 Resp: 1527

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: Below Cal

RT: 4.195 min Scan# 381

Delta R.T. 0.006 min

Lab File: VN077835.D

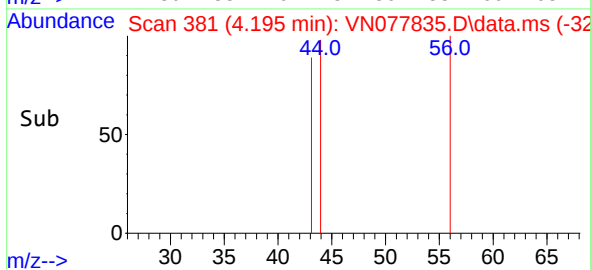
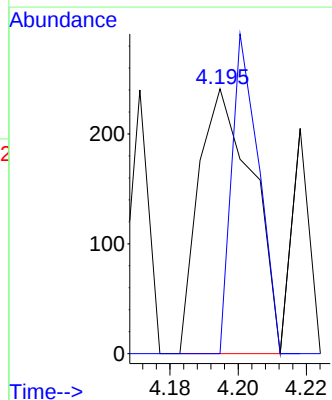
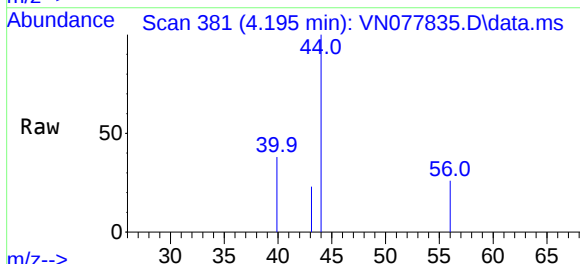
Acq: 24 May 2023 03:02

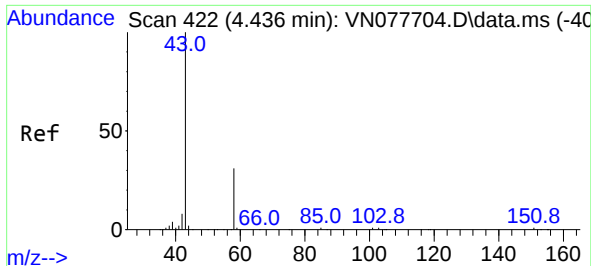
Tgt Ion: 56 Resp: 265

Ion Ratio Lower Upper

56 100

55 60.8 54.5 81.7

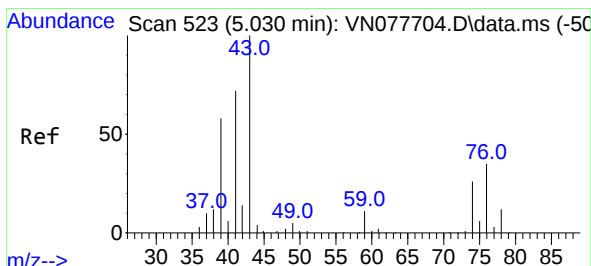
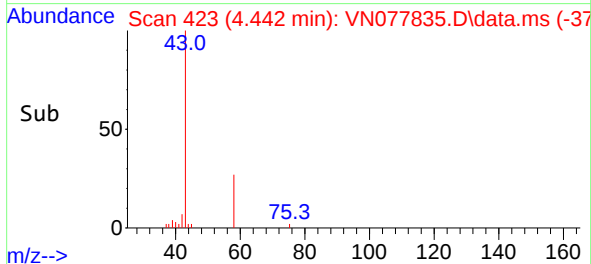
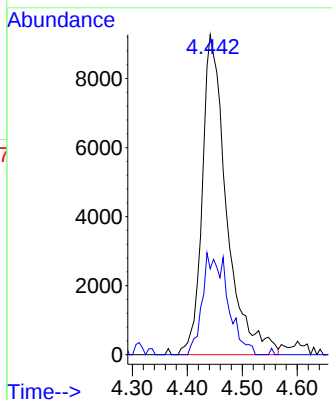
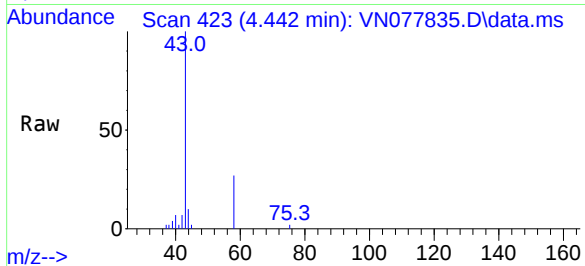




#16
Acetone
Concen: 15.461 ug/l
RT: 4.442 min Scan# 431
Delta R.T. 0.012 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

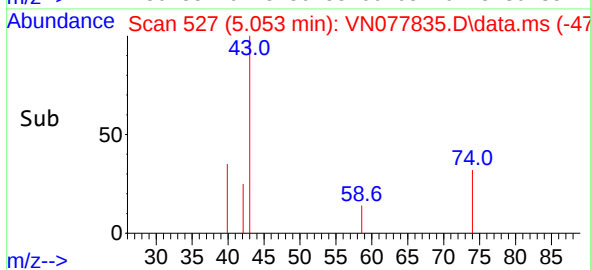
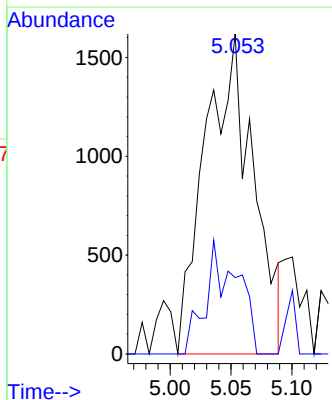
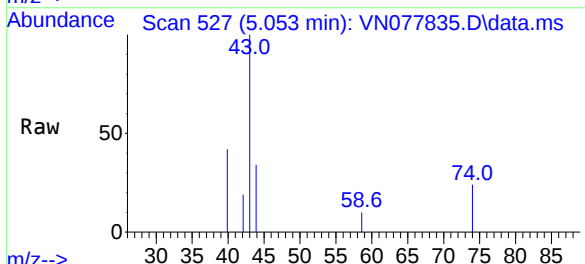
Instrument :
MSVOA_N
ClientSampleId :
WC-1

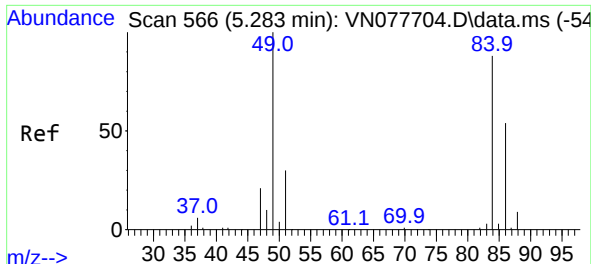
Tgt Ion: 43 Resp: 28489
Ion Ratio Lower Upper
43 100
58 26.8 28.0 42.0#



#18
Methyl Acetate
Concen: 0.577 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.017 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

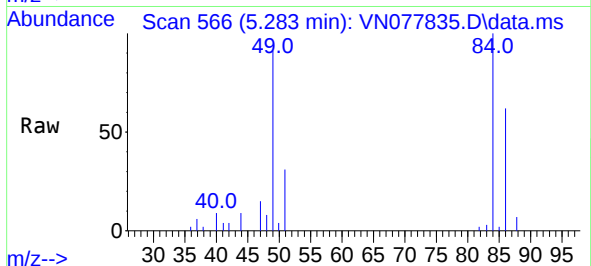
Tgt Ion: 43 Resp: 4459
Ion Ratio Lower Upper
43 100
74 17.8 26.2 39.4#





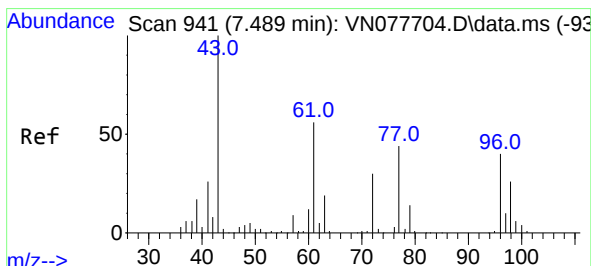
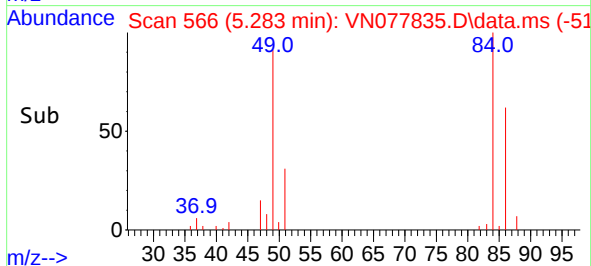
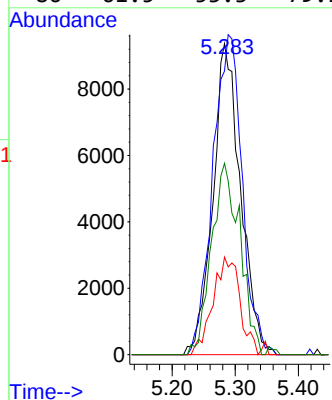
#20
Methylene Chloride
Concen: 4.127 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Instrument :
MSVOA_N
ClientSampleId :
WC-1



Tgt Ion: 84 Resp: 28488

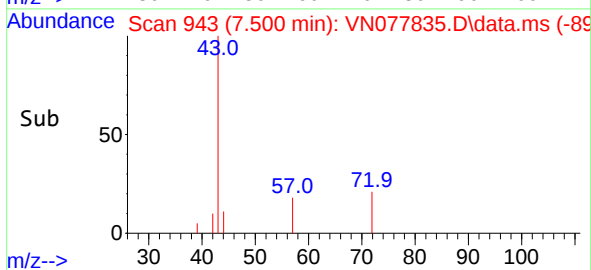
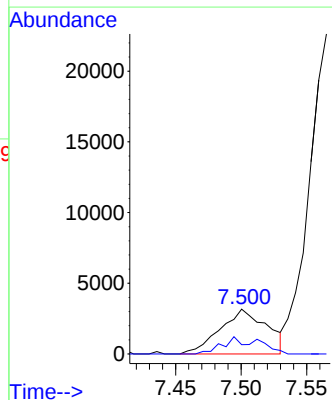
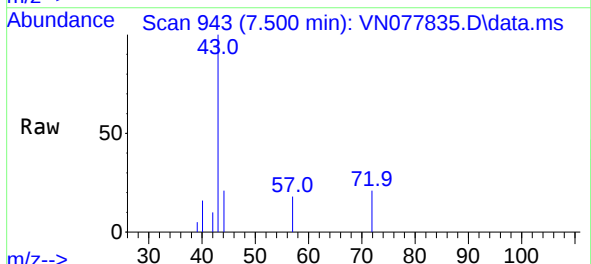
Ion	Ratio	Lower	Upper
84	100		
49	91.2	79.7	119.5
51	31.4	25.2	37.8
86	61.5	53.3	79.9

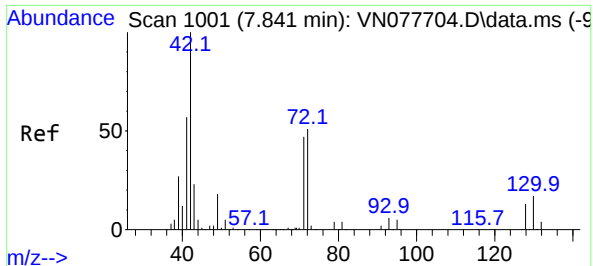


#25
2-Butanone
Concen: 2.732 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Tgt Ion: 43 Resp: 7875

Ion	Ratio	Lower	Upper
43	100		
72	20.9	30.2	45.2#

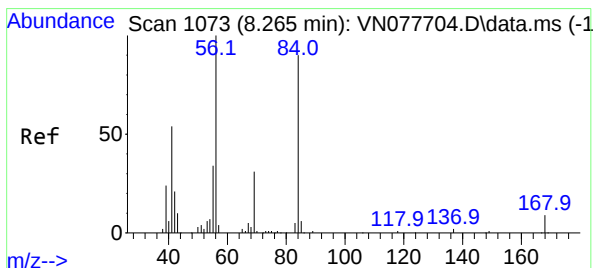
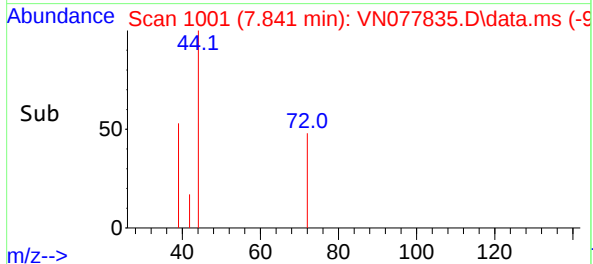
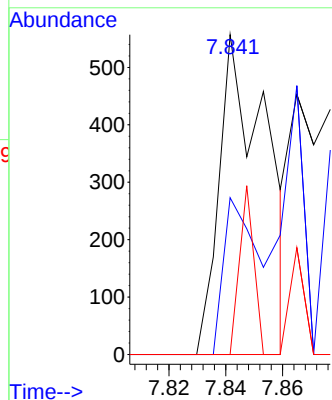
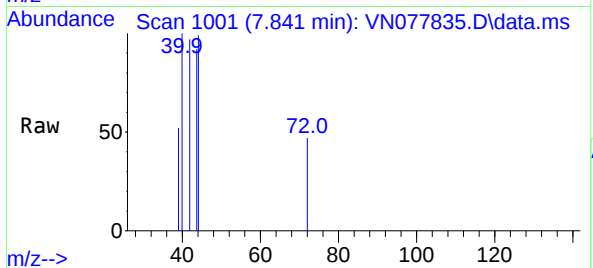




#29
Tetrahydrofuran
Concen: 0.340 ug/l
RT: 7.841 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

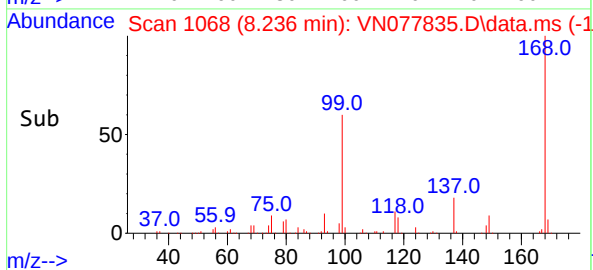
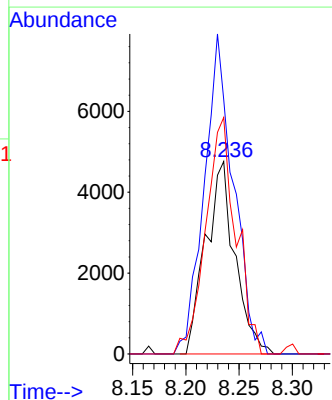
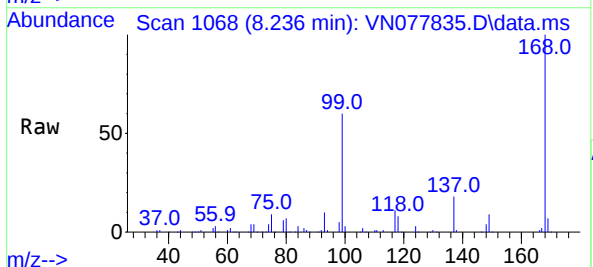
Instrument :
MSVOA_N
ClientSampleId :
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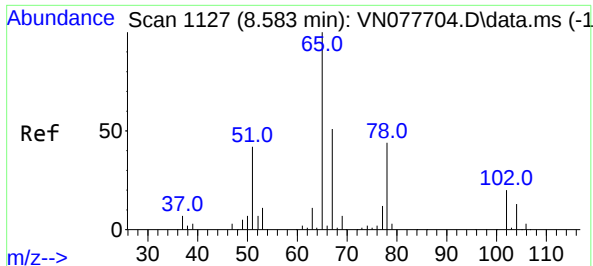
Tgt Ion:	42	Resp:	641
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	16.2	47.4	71.2#



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Tgt Ion:	56	Resp:	9087
Ion	Ratio	Lower	Upper
56	100		
69	132.1	26.8	40.2#
84	122.8	81.8	122.6#

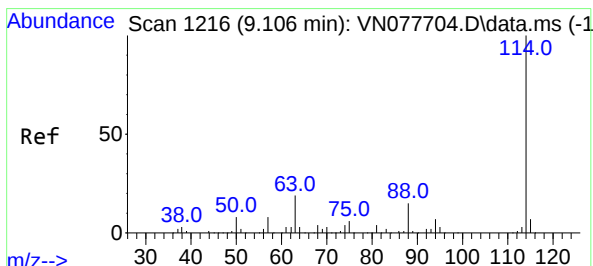
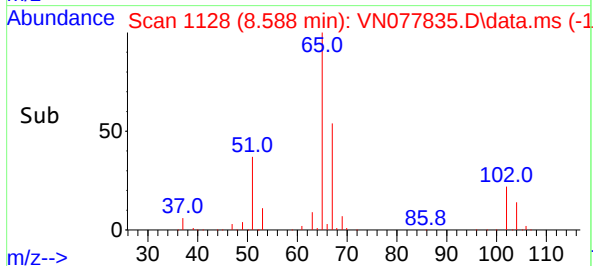
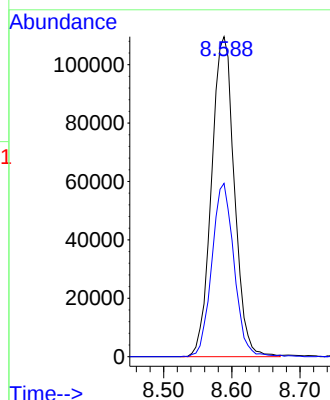
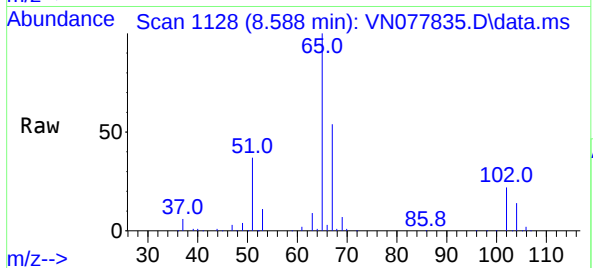




#33
1,2-Dichloroethane-d4
Concen: 43.604 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

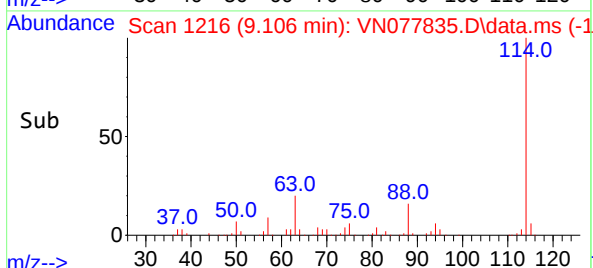
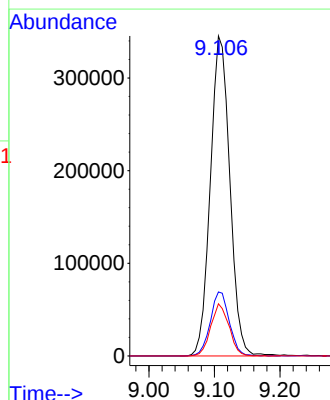
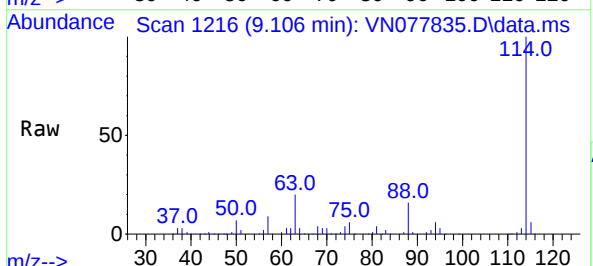
Instrument :
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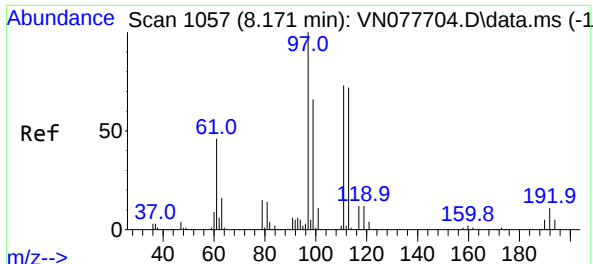
Tgt Ion: 65 Resp: 255383
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Tgt Ion: 114 Resp: 712270
Ion Ratio Lower Upper
114 100
63 20.0 0.0 36.4
88 16.3 0.0 30.6

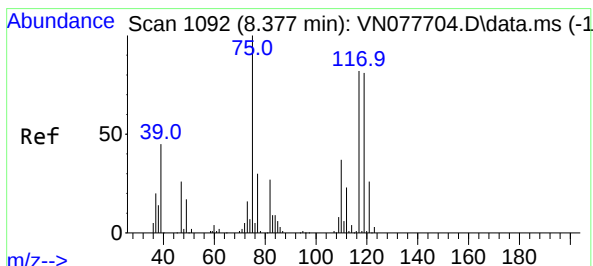
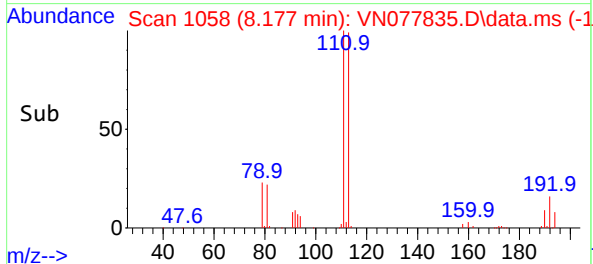
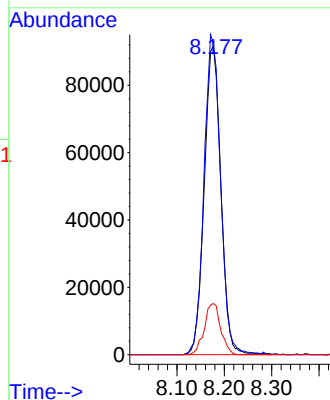
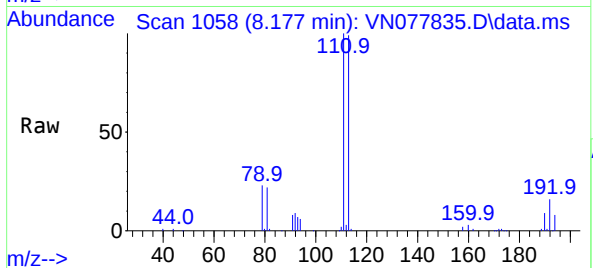




#35
Dibromofluoromethane
Concen: 48.230 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

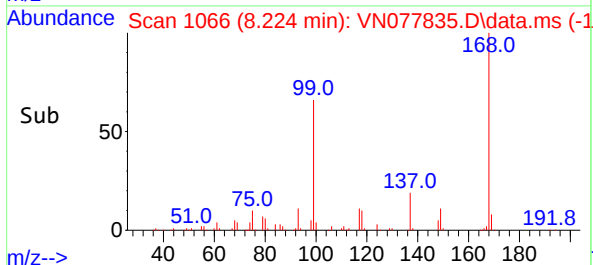
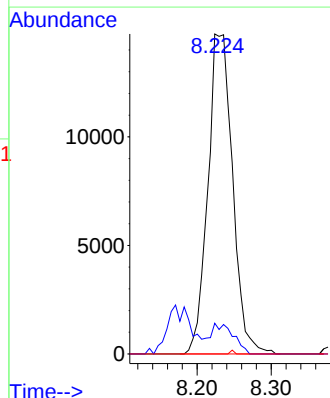
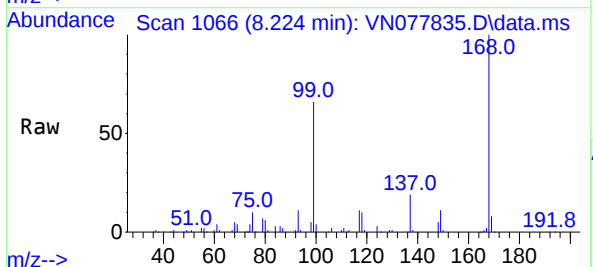
Instrument :
MSVOA_N
ClientSampleId :
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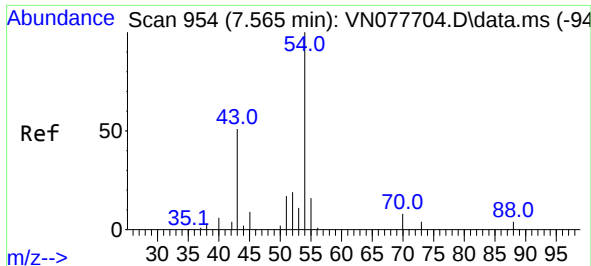
Tgt Ion:113 Resp: 224012
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 16.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.036 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Tgt Ion: 75 Resp: 34215
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#

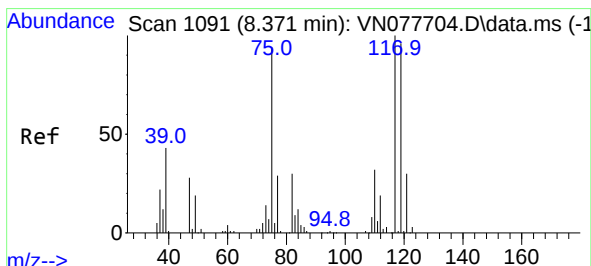
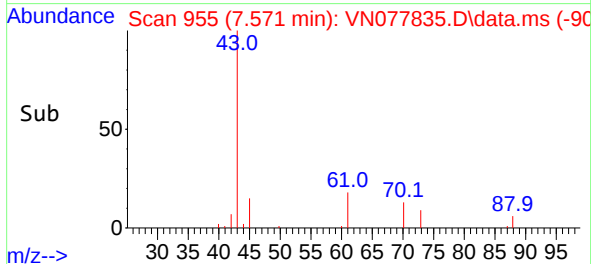
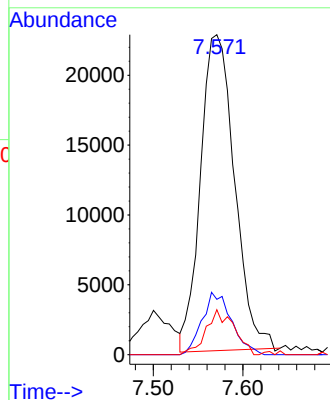
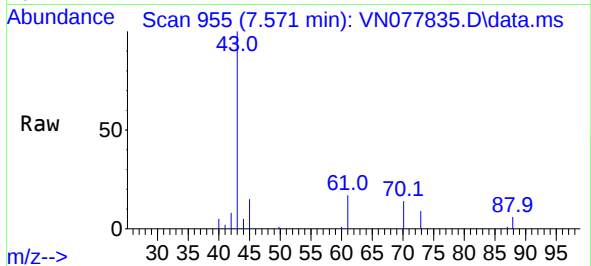




#37
Ethyl Acetate
Concen: 9.830 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

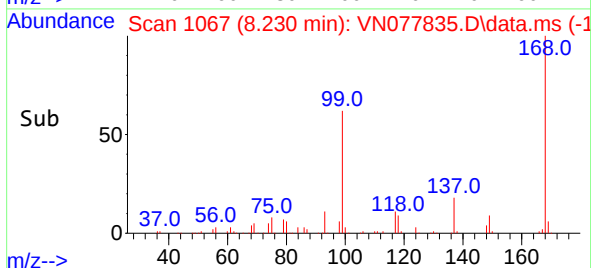
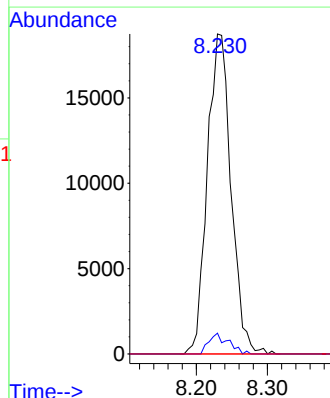
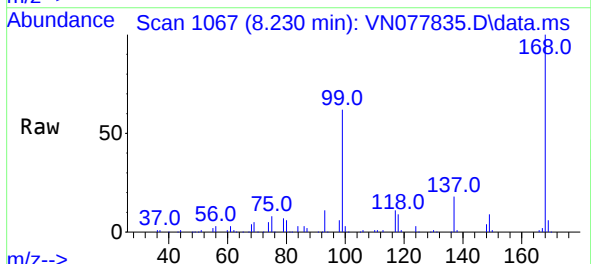
Instrument :
MSVOA_N
ClientSampleId :
WC-1

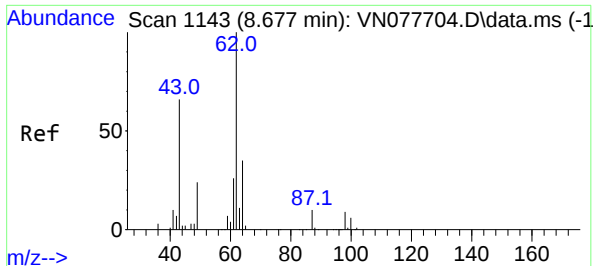
Tgt Ion: 43 Resp: 59523
Ion Ratio Lower Upper
43 100
61 17.2 13.2 19.8
70 11.8 11.3 16.9



#38
Carbon Tetrachloride
Concen: 6.342 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Tgt Ion: 117 Resp: 43508
Ion Ratio Lower Upper
117 100
119 6.5 77.3 115.9#
121 0.0 23.3 34.9#

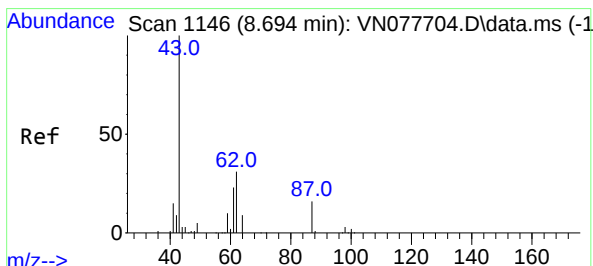
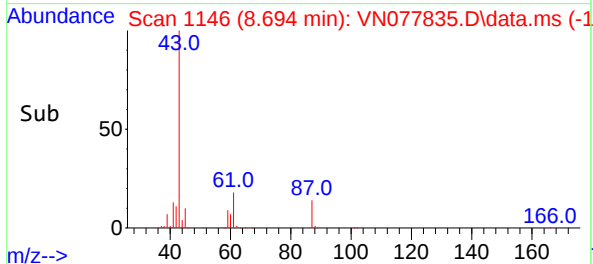
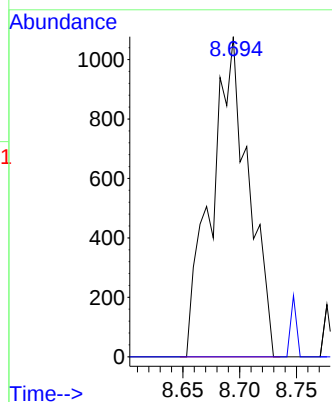
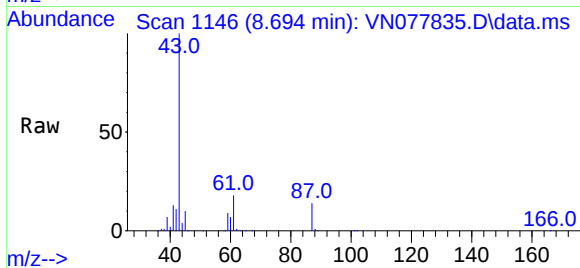




#42
1,2-Dichloroethane
Concen: 0.337 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.017 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

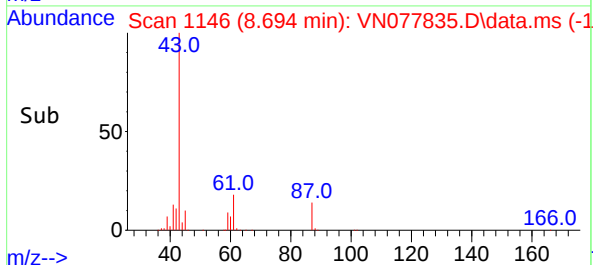
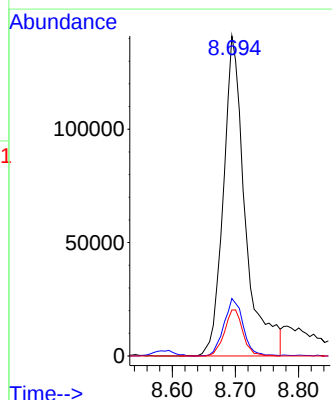
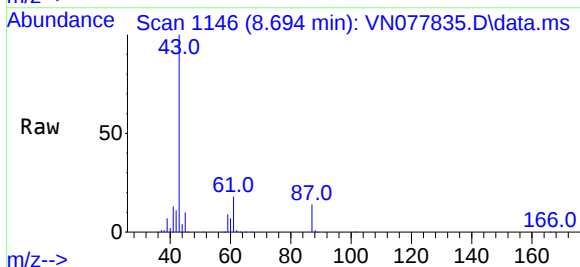
Instrument :
MSVOA_N
ClientSampleId :
WC-1

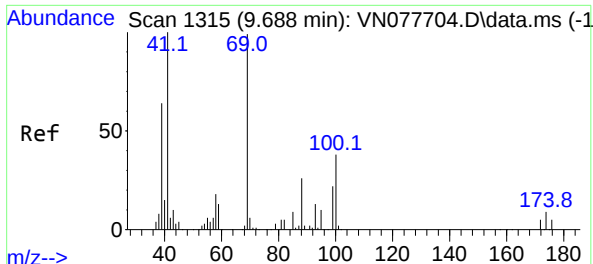
Tgt Ion: 62 Resp: 2451
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 34.273 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Tgt Ion: 43 Resp: 338977
Ion Ratio Lower Upper
43 100
61 15.8 24.7 37.1#
87 12.2 14.6 21.8#

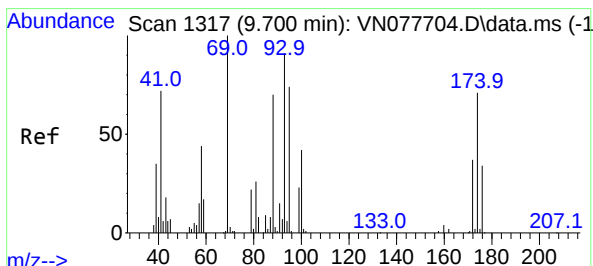
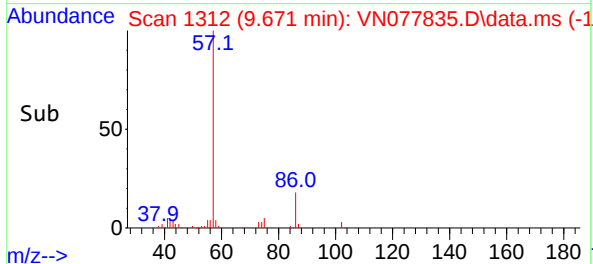
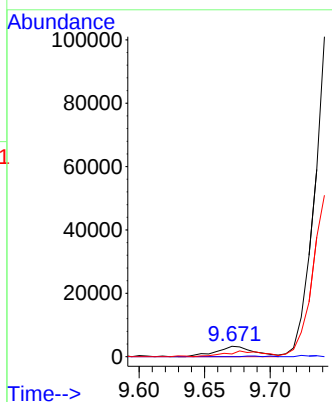
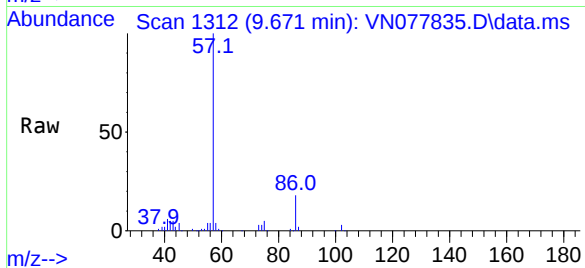




#48
Methyl methacrylate
Concen: 1.403 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

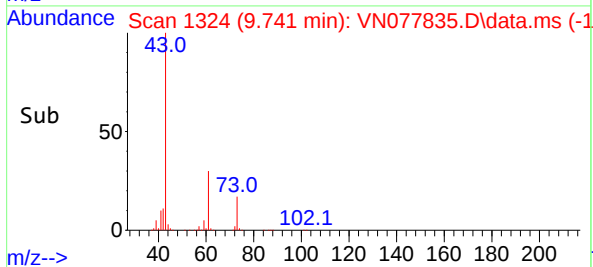
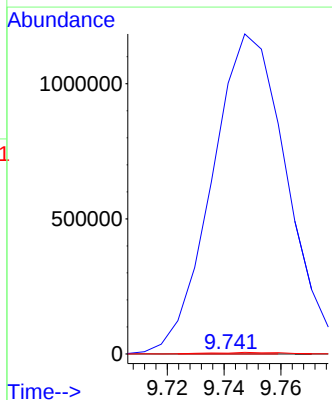
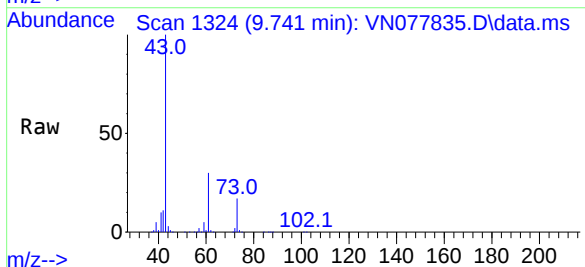
Instrument :
MSVOA_N
ClientSampleId :
WC-1

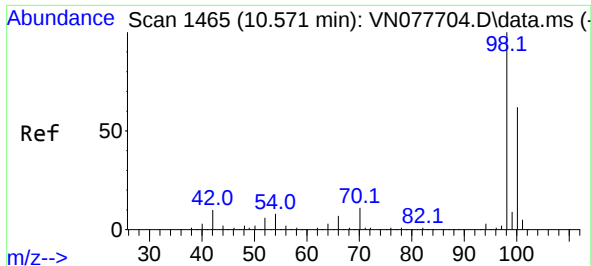
Tgt Ion: 41 Resp: 6577
Ion Ratio Lower Upper
41 100
69 3.2 90.4 135.6#
39 54.3 54.6 81.8#



#49
1,4-Dioxane
Concen: 4.042 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Tgt Ion: 88 Resp: 358
Ion Ratio Lower Upper
88 100
43 616501.7 17.0 25.6#
58 2814.5 47.0 70.4#

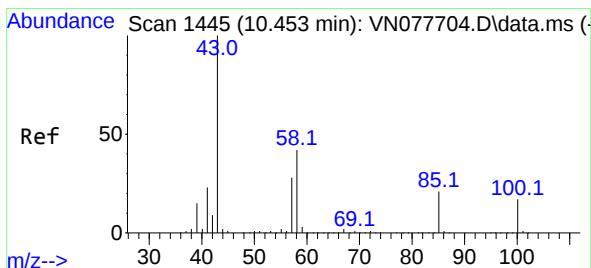
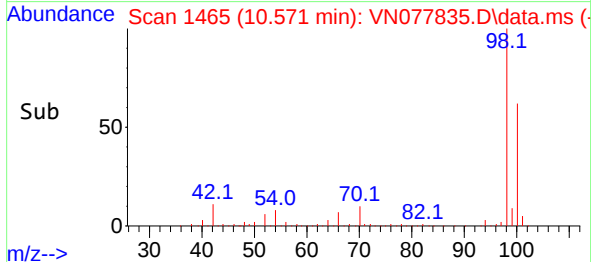
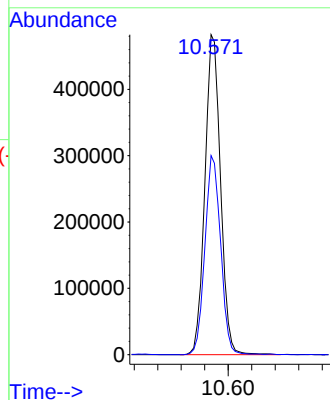
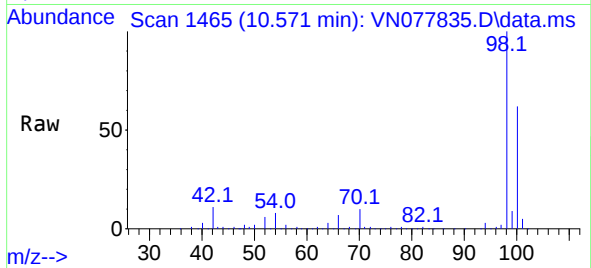




#50
Toluene-d8
Concen: 49.634 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

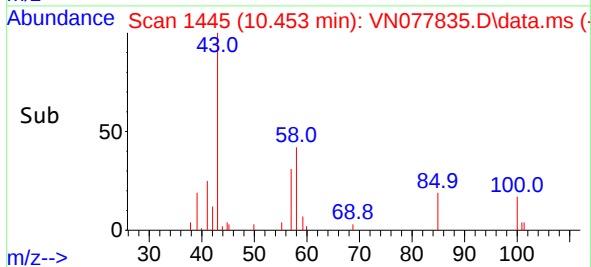
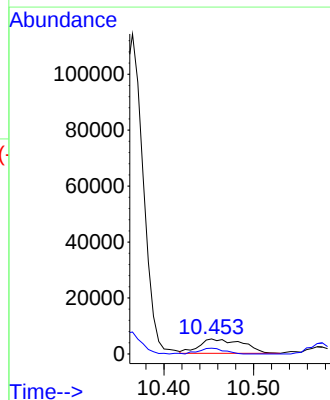
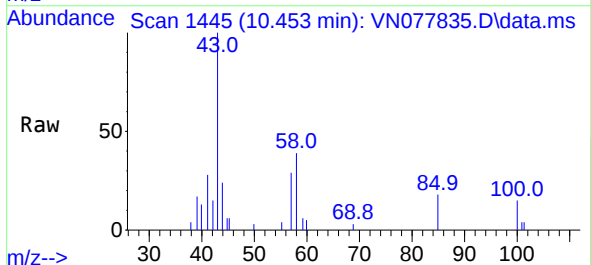
Instrument :
MSVOA_N
ClientSampleId :
WC-1

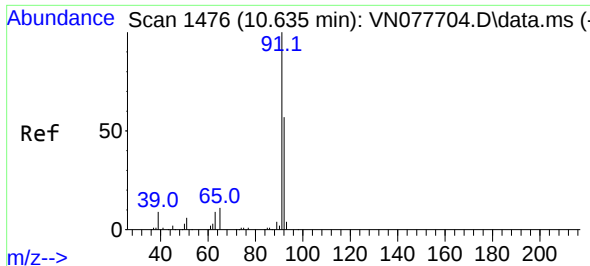
Tgt Ion: 98 Resp: 887336
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.967 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Tgt Ion: 43 Resp: 17441
Ion Ratio Lower Upper
43 100
58 24.0 36.6 54.8#

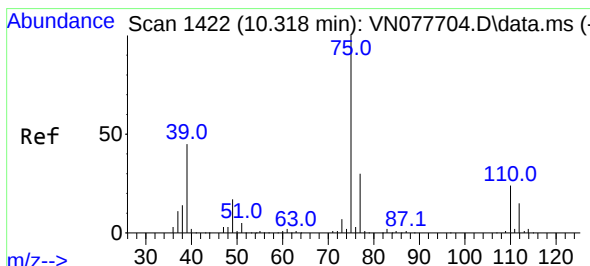
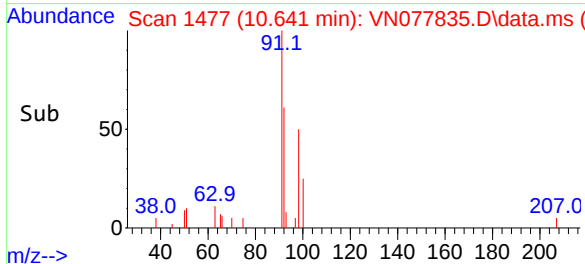
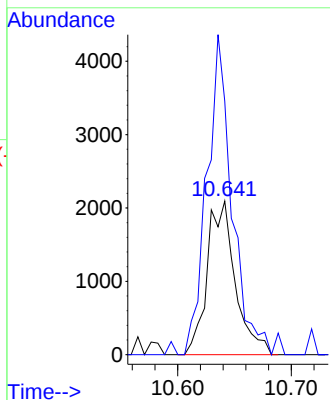
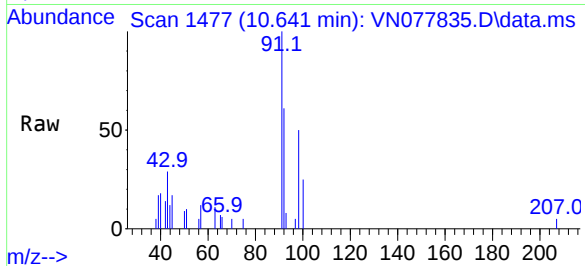




#52
Toluene
Concen: 0.288 ug/l
RT: 10.641 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

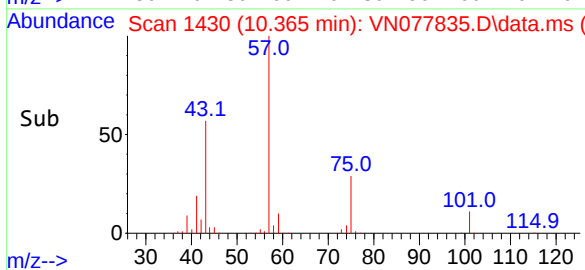
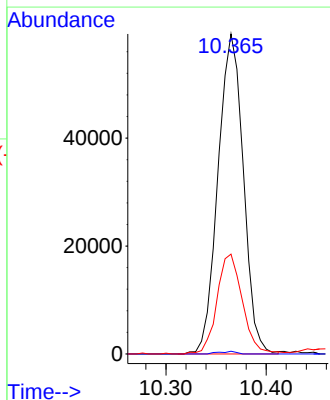
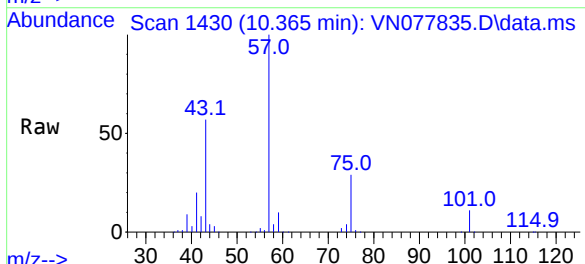
Instrument :
MSVOA_N
ClientSampleId :
WC-1

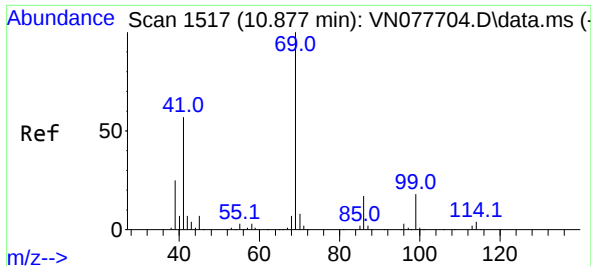
Tgt Ion: 92 Resp: 3592
Ion Ratio Lower Upper
92 100
91 191.1 137.4 206.0



#54
cis-1,3-Dichloropropene
Concen: 12.716 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Tgt Ion: 75 Resp: 103958
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 31.2 31.6 47.4#

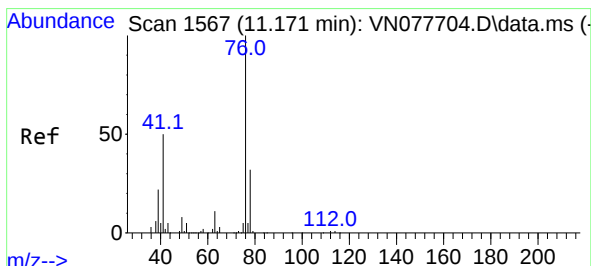
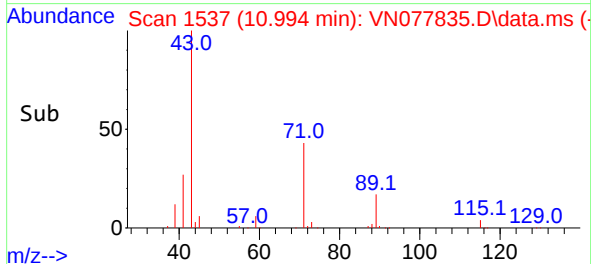
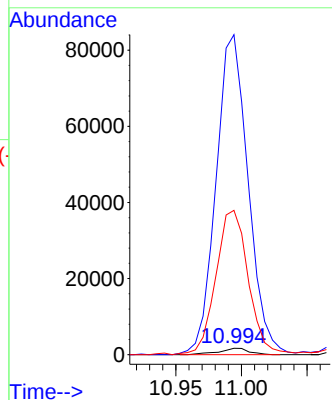
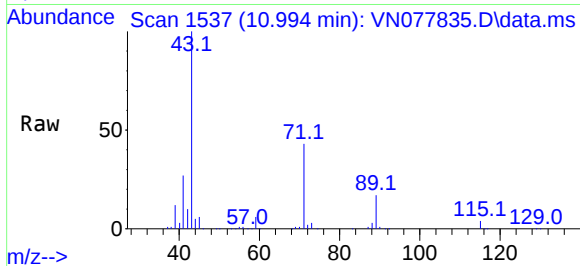




#56
Ethyl methacrylate
Concen: 0.357 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.112 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

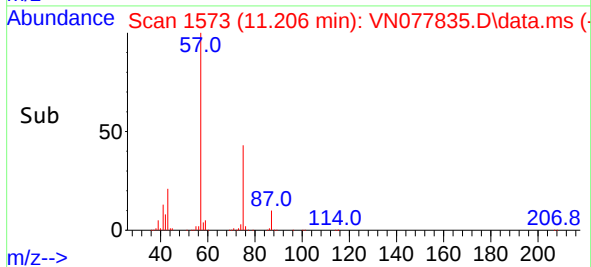
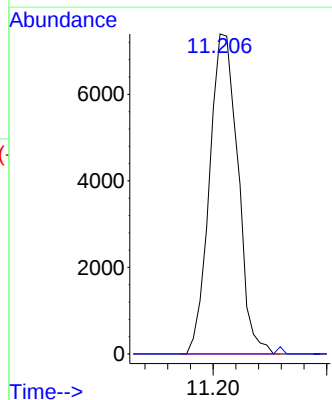
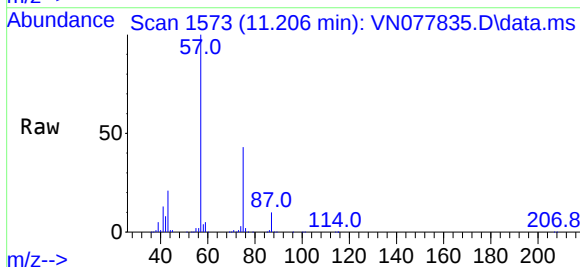
Instrument :
MSVOA_N
ClientSampleId :
WC-1

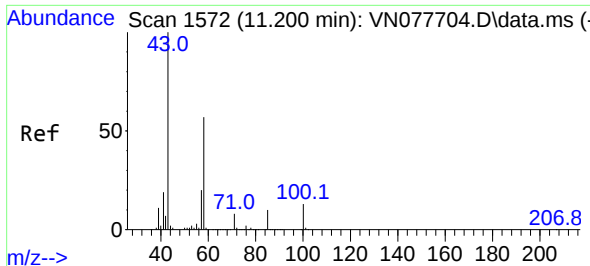
Tgt Ion: 69 Resp: 2677
Ion Ratio Lower Upper
69 100
41 5353.8 39.6 59.4#
39 2434.0 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.512 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Tgt Ion: 76 Resp: 12849
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

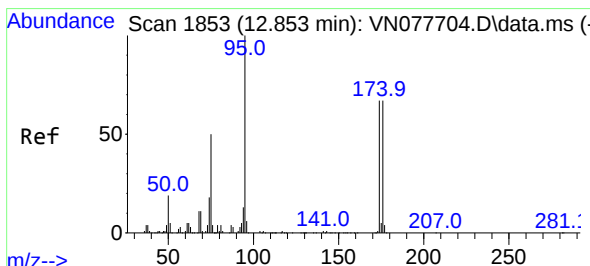
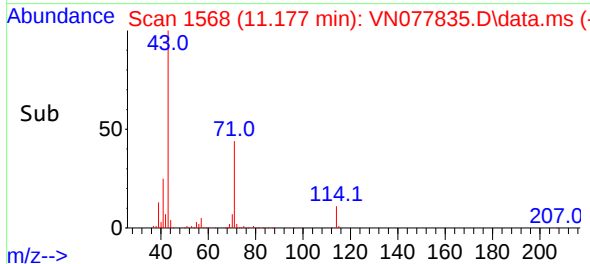
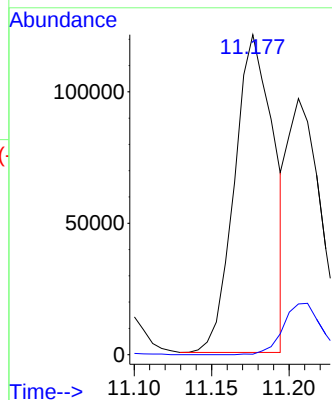
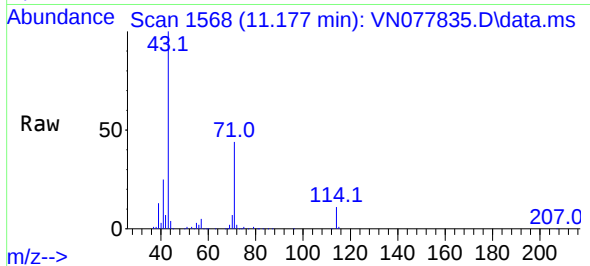




#59
2-Hexanone
Concen: 48.899 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

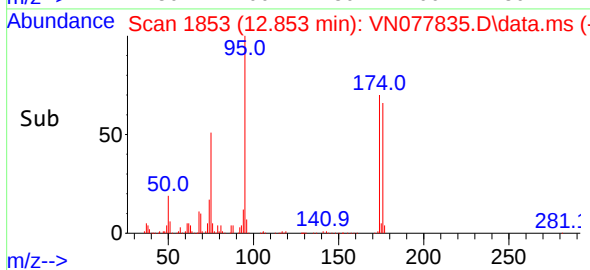
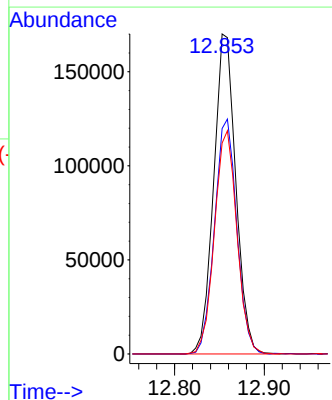
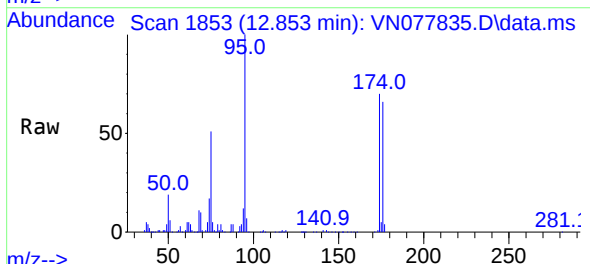
Instrument :
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ClientSampleId :
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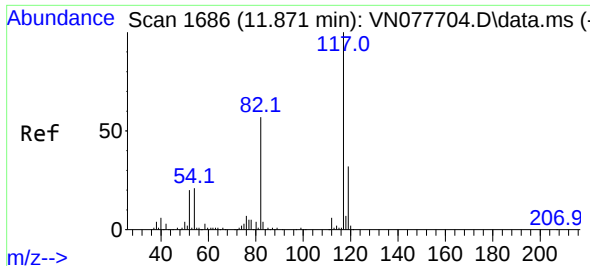
Tgt Ion: 43 Resp: 212633
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.094 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Tgt Ion: 95 Resp: 291036
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.8
176 70.8 0.0 135.8

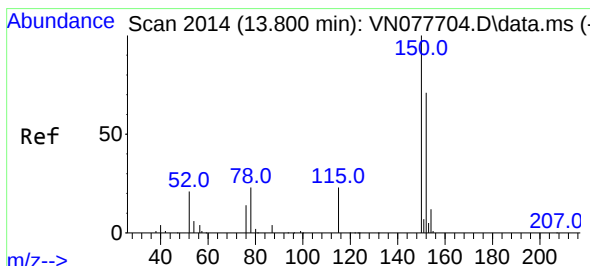
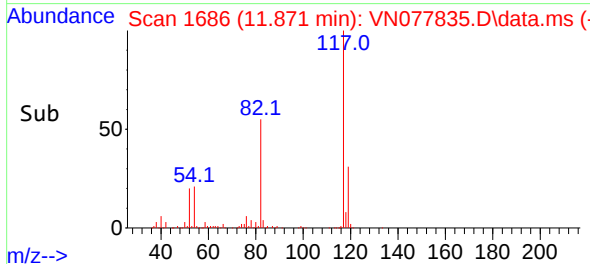
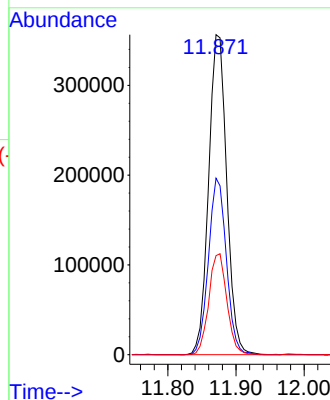
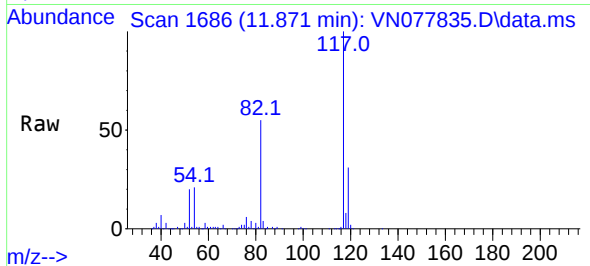




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

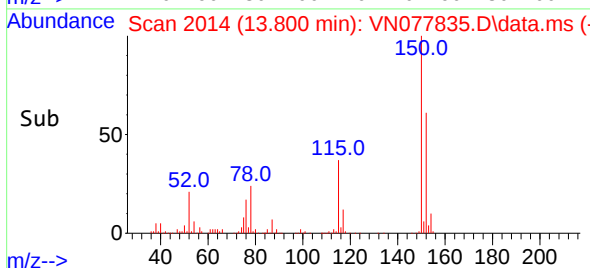
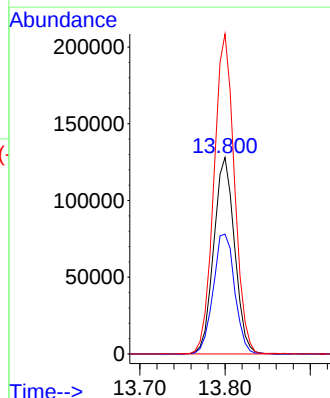
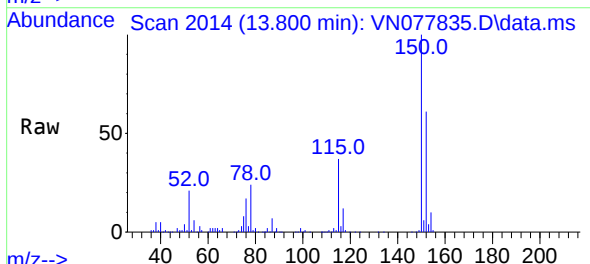
Instrument :
MSVOA_N
ClientSampleId :
WC-1

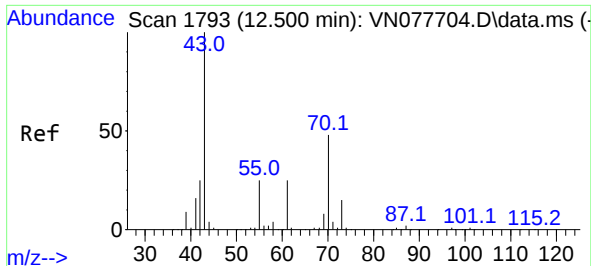
Tgt Ion:117 Resp: 658197
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 30.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

Tgt Ion:152 Resp: 216989
Ion Ratio Lower Upper
152 100
115 63.2 32.3 96.8
150 160.9 0.0 355.8

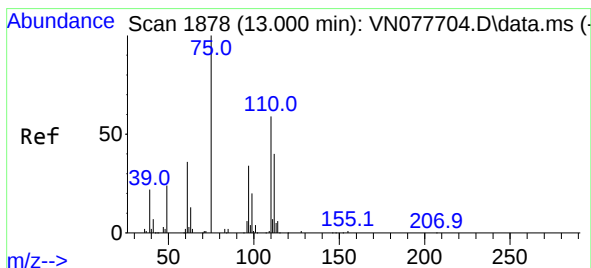
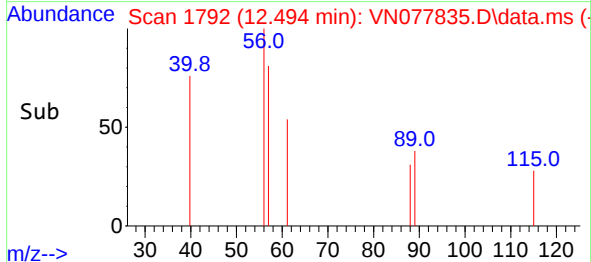
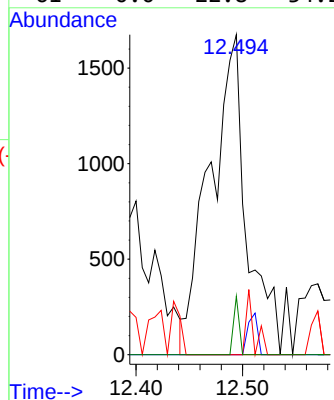
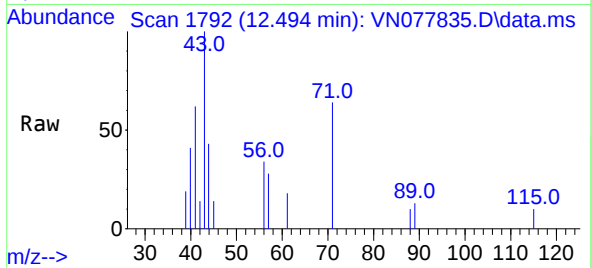




#74
N-amy1 acetate
Concen: 0.583 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

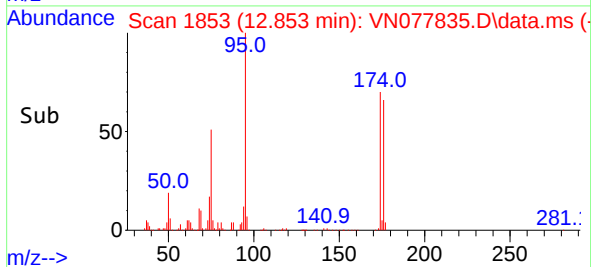
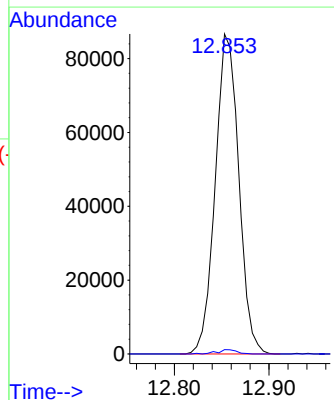
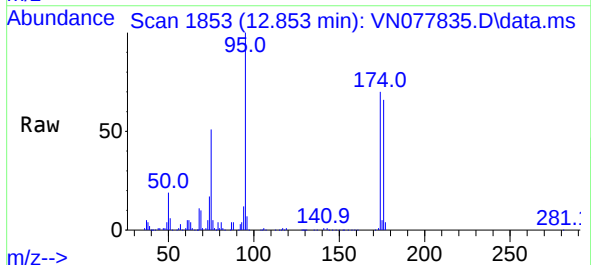
Instrument :
MSVOA_N
ClientSampleId :
WC-1

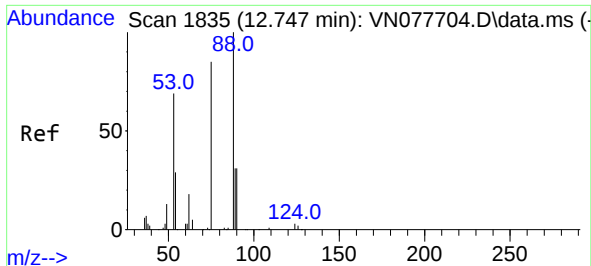
Tgt Ion: 43 Resp: 4028
Ion Ratio Lower Upper
43 100
70 3.4 43.4 65.2#
55 4.3 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.544 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077835.D
Acq: 24 May 2023 03:02

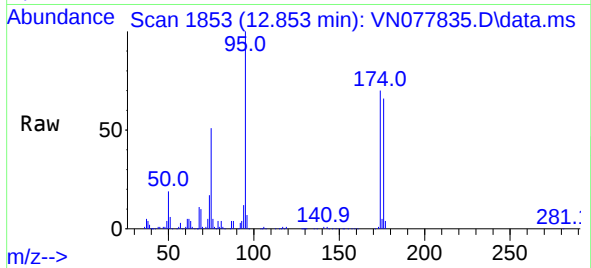
Tgt Ion: 75 Resp: 149678
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.044 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077835.D
 Acq: 24 May 2023 03:02

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1



Tgt Ion: 75 Resp: 149678
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

