

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077839.D
 Acq On : 24 May 2023 04:37
 Operator : JC\MD
 Sample : 02892-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-33

Quant Time: May 24 05:59:54 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)

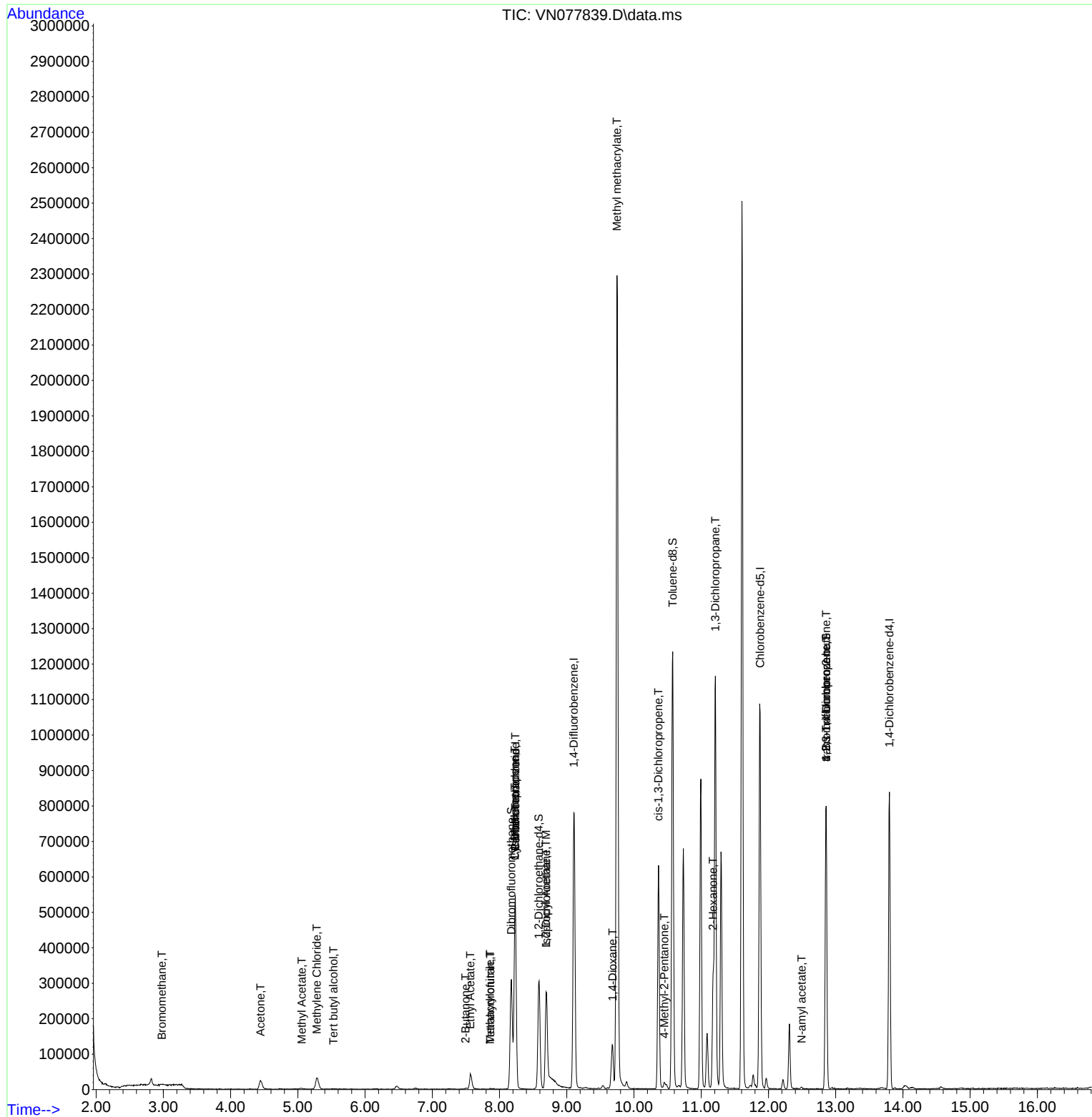
Internal Standards						
1) Pentafluorobenzene	8.236	168	388191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	719821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	653514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	233790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	261290	44.985	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.980%		
35) Dibromofluoromethane	8.177	113	223497	47.615	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.220%		
50) Toluene-d8	10.577	98	902442	49.950	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.900%		
62) 4-Bromofluorobenzene	12.859	95	293509	45.998	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.000%		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	951	Below Cal		90
5) Bromomethane	2.977	94	1563	0.379 ug/l #		77
11) Tert butyl alcohol	5.530	59	414	0.516 ug/l #		72
13) Acrolein	4.195	56	231	Below Cal #		75
16) Acetone	4.448	43	47504	25.996 ug/l		97
18) Methyl Acetate	5.059	43	5703	0.744 ug/l #		76
20) Methylene Chloride	5.283	84	25004	3.416 ug/l		84
25) 2-Butanone	7.494	43	3001	1.050 ug/l		97
29) Tetrahydrofuran	7.865	42	1193	0.637 ug/l #		44
31) Cyclohexane	8.230	56	9813	1.243 ug/l #		41
36) 1,1-Dichloropropene	8.230	75	32638	4.754 ug/l #		50
37) Ethyl Acetate	7.565	43	65507	10.705 ug/l #		95
38) Carbon Tetrachloride	8.236	117	44608	6.434 ug/l #		15
41) Methacrylonitrile	7.859	41	811	0.249 ug/l #		31
42) 1,2-Dichloroethane	8.694	62	2109	0.287 ug/l #		73
43) Isopropyl Acetate	8.694	43	321310	32.146 ug/l #		82
48) Methyl methacrylate	9.747	41	216119	45.605 ug/l #		28
49) 1,4-Dioxane	9.682	88	220	2.458 ug/l #		1
51) 4-Methyl-2-Pentanone	10.453	43	11036	1.858 ug/l		99
54) cis-1,3-Dichloropropene	10.365	75	117702	14.247 ug/l #		67
57) 1,3-Dichloropropane	11.212	76	13008	1.515 ug/l #		43
59) 2-Hexanone	11.176	43	243679	55.450 ug/l #		19
74) N-amyl acetate	12.494	43	2581	0.346 ug/l #		36
76) 1,2,3-Trichloropropane	12.859	75	155455	26.551 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.859	75	155455	84.871 ug/l #		15

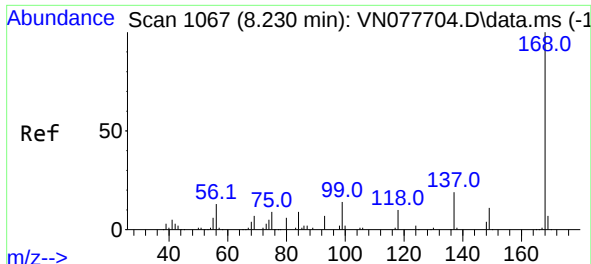
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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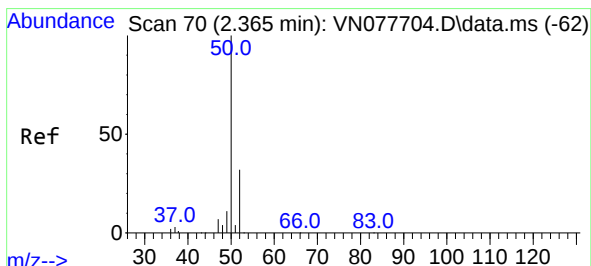
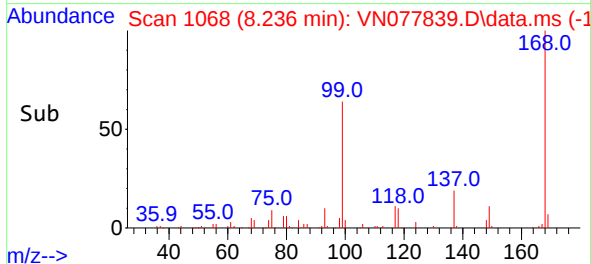
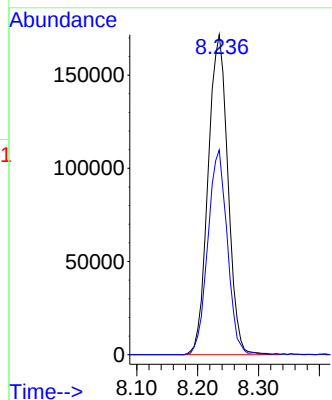
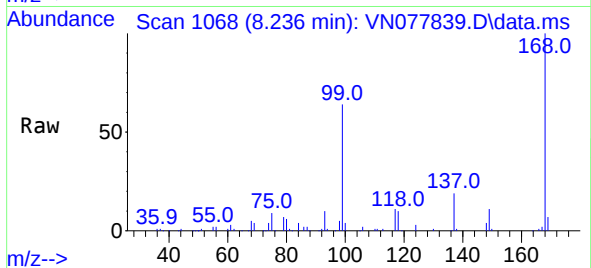




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

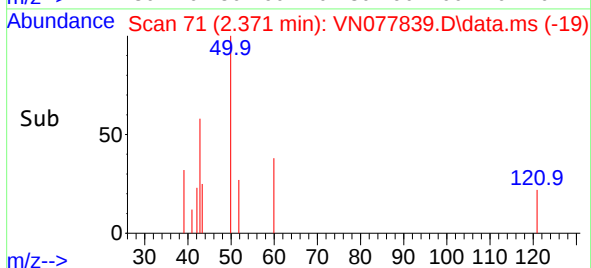
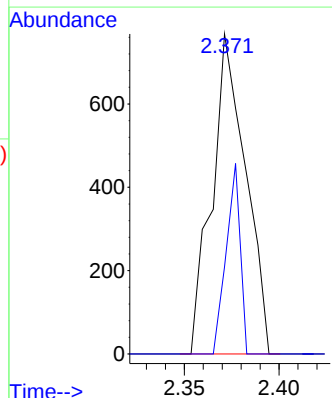
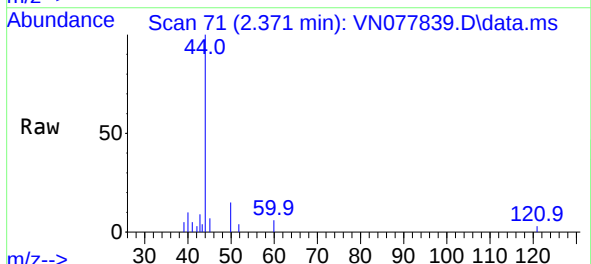
Instrument :
MSVOA_N
ClientSampleId :
TP-33

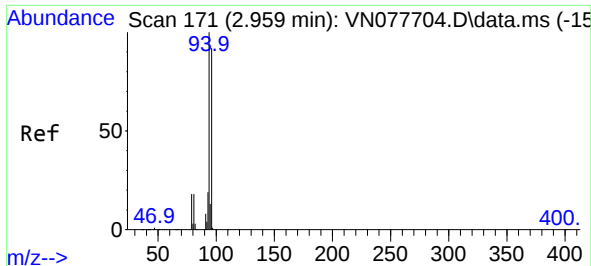
Tgt Ion:168 Resp: 388191
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion: 50 Resp: 951
Ion Ratio Lower Upper
50 100
52 27.2 26.5 39.7

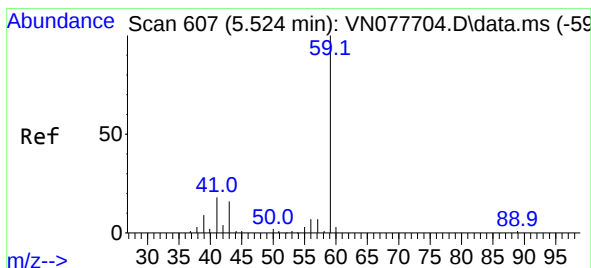
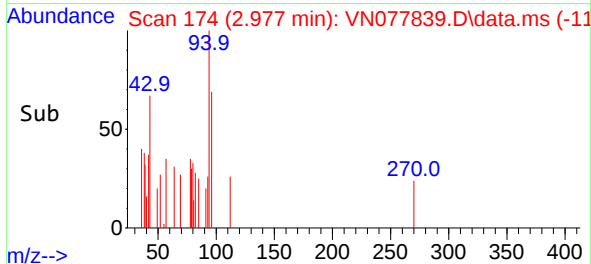
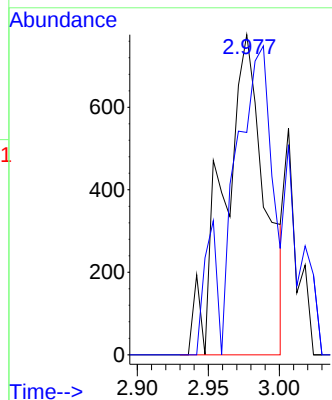
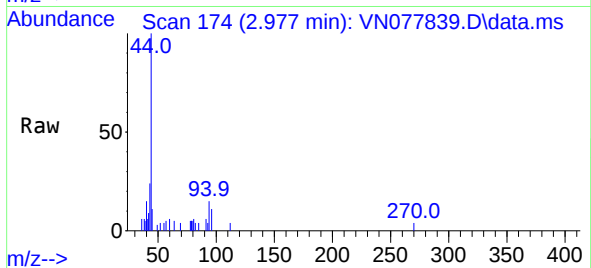




#5
Bromomethane
Concen: 0.379 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

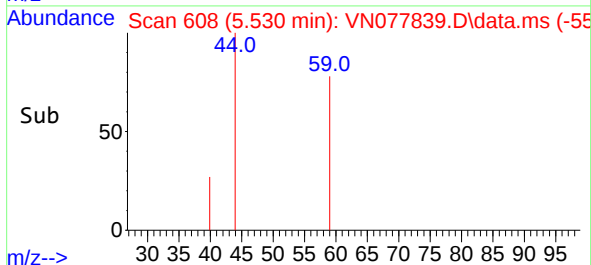
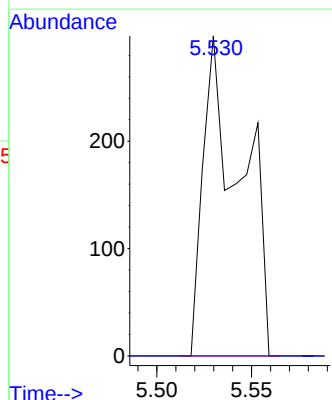
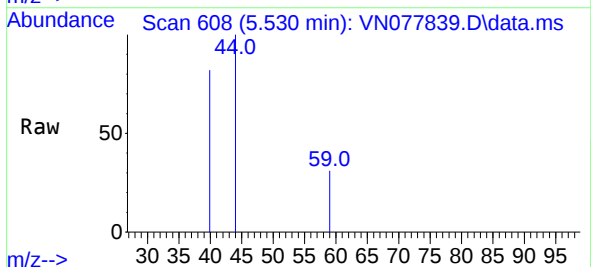
Instrument :
MSVOA_N
ClientSampleId :
TP-33

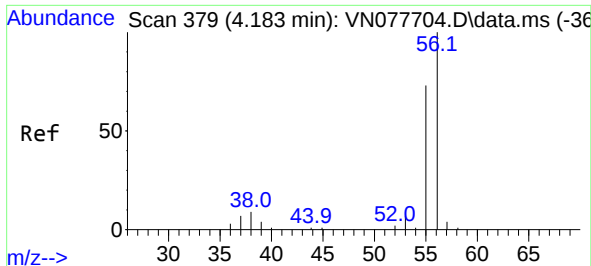
Tgt Ion: 94 Resp: 1563
Ion Ratio Lower Upper
94 100
96 69.5 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.516 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion: 59 Resp: 414
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

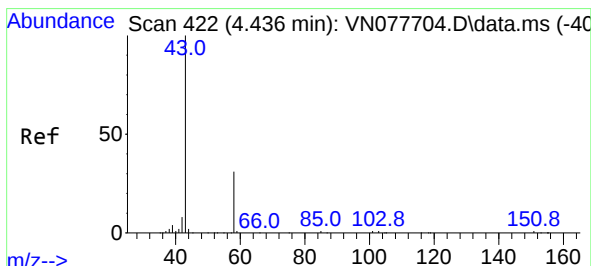
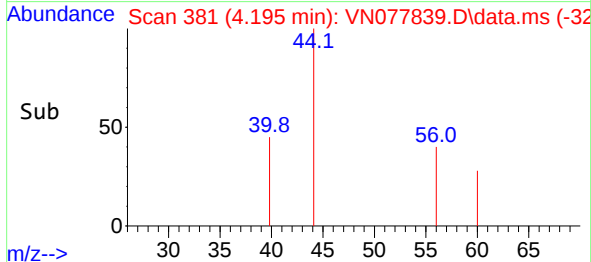
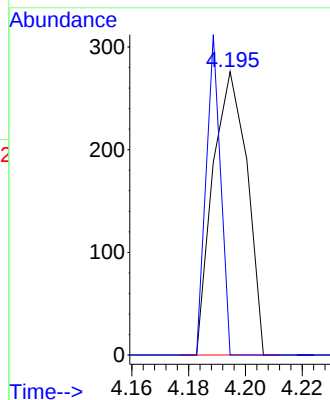
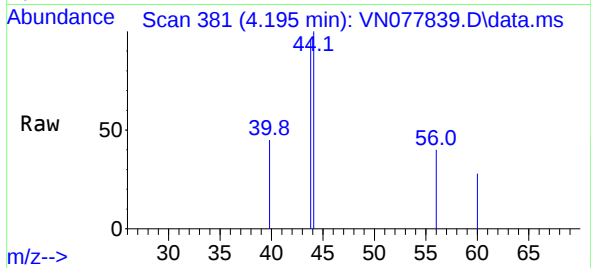




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

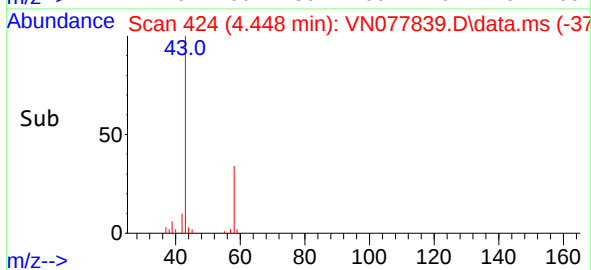
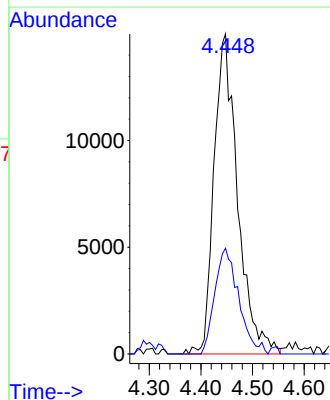
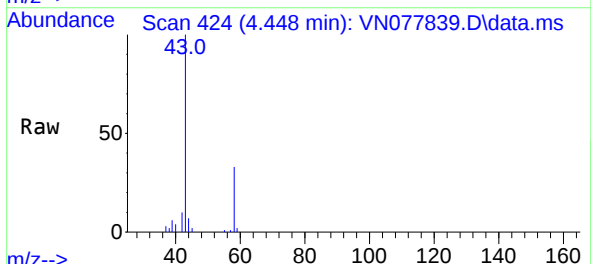
Instrument :
MSVOA_N
ClientSampleId :
TP-33

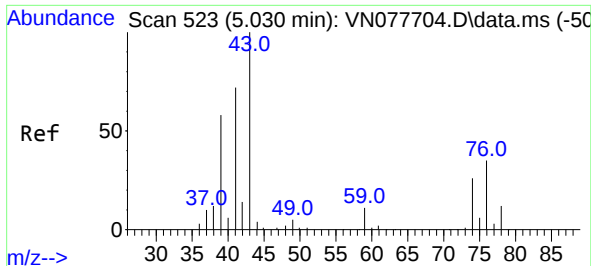
Tgt Ion: 56 Resp: 231
Ion Ratio Lower Upper
56 100
55 47.6 54.5 81.7#



#16
Acetone
Concen: 25.996 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion: 43 Resp: 47504
Ion Ratio Lower Upper
43 100
58 33.1 28.0 42.0

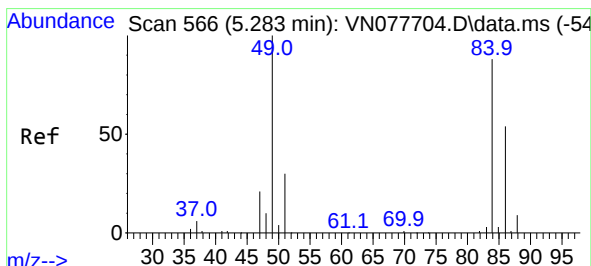
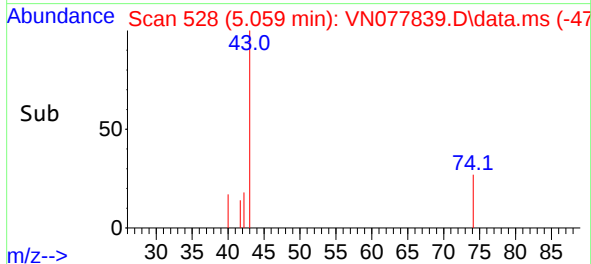
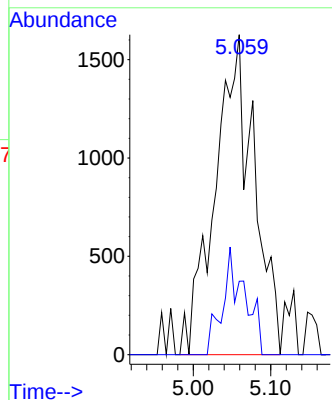
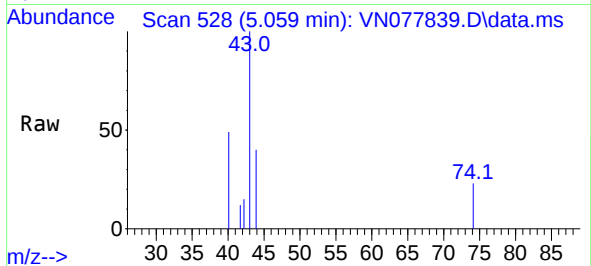




#18
Methyl Acetate
Concen: 0.744 ug/l
RT: 5.059 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

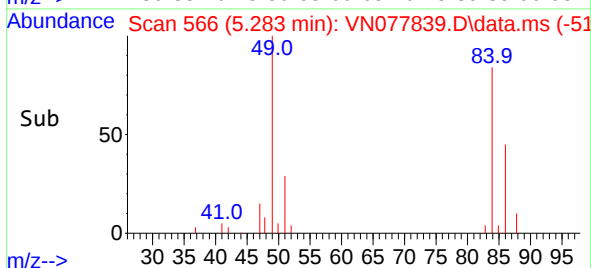
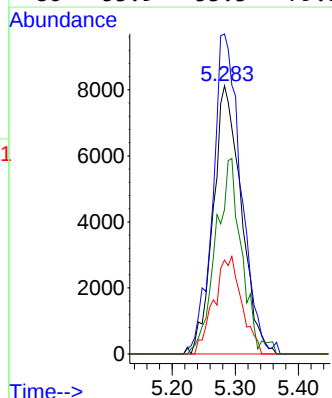
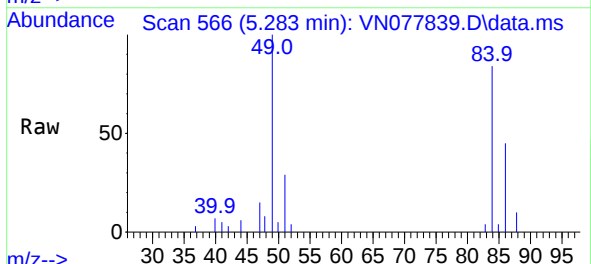
Instrument :
MSVOA_N
ClientSampleId :
TP-33

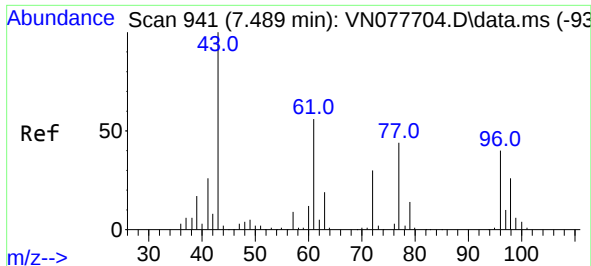
Tgt Ion: 43 Resp: 5703
Ion Ratio Lower Upper
43 100
74 19.1 26.2 39.4#



#20
Methylene Chloride
Concen: 3.416 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion: 84 Resp: 25004
Ion Ratio Lower Upper
84 100
49 119.3 79.7 119.5
51 35.0 25.2 37.8
86 53.9 53.3 79.9

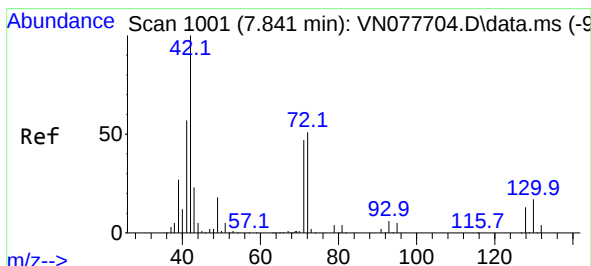
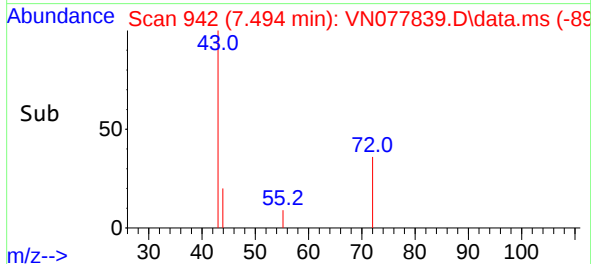
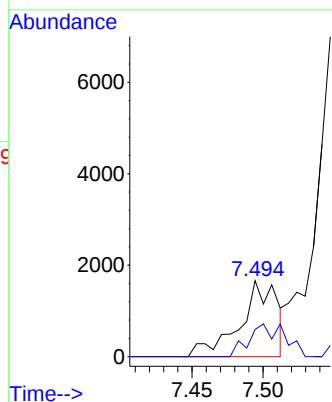
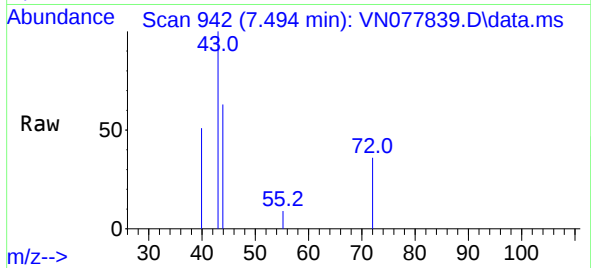




#25
2-Butanone
Concen: 1.050 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

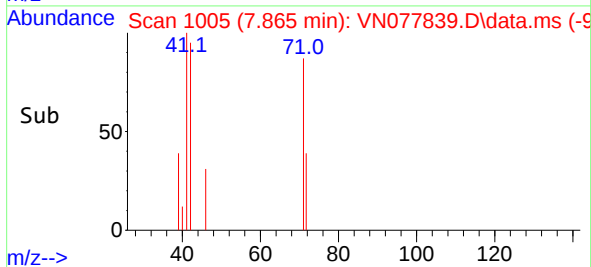
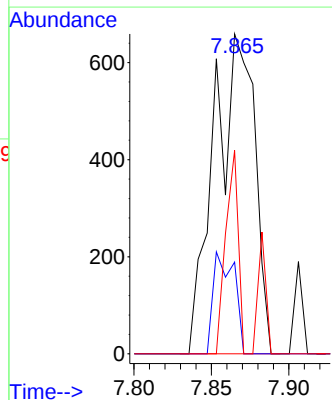
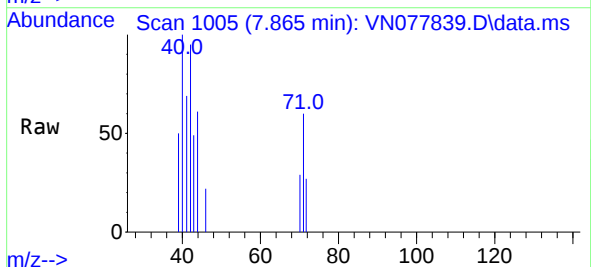
Instrument :
MSVOA_N
ClientSampleId :
TP-33

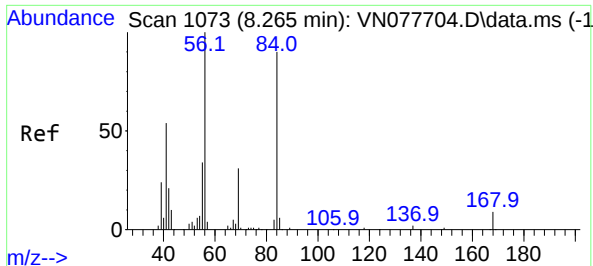
Tgt Ion: 43 Resp: 3001
Ion Ratio Lower Upper
43 100
72 35.7 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.637 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.024 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion: 42 Resp: 1193
Ion Ratio Lower Upper
42 100
72 16.5 49.8 74.6#
71 19.7 47.4 71.2#





#31

Cyclohexane

Concen: 1.243 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN077839.D

Acq: 24 May 2023 04:37

Instrument :

MSVOA_N

ClientSampleId :

TP-33

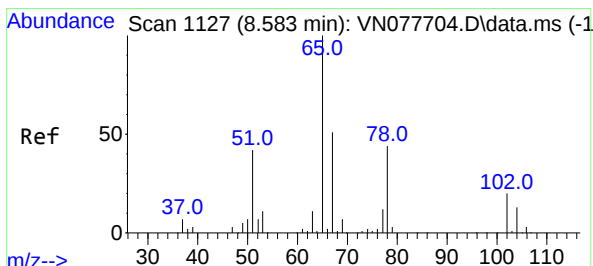
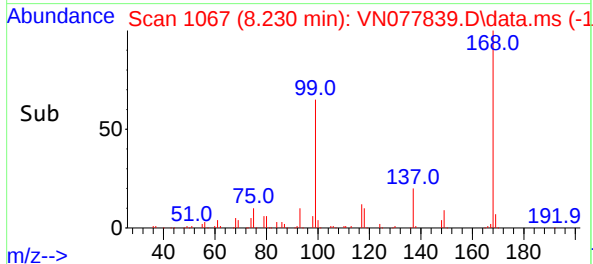
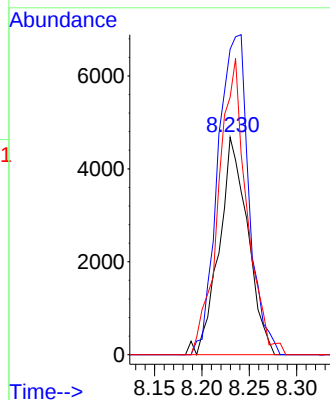
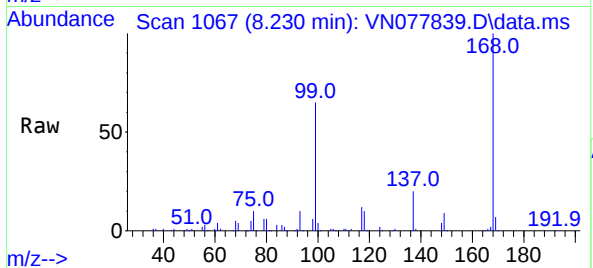
Tgt Ion: 56 Resp: 9813

Ion Ratio Lower Upper

56 100

69 140.5 26.8 40.2#

84 118.4 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 44.985 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN077839.D

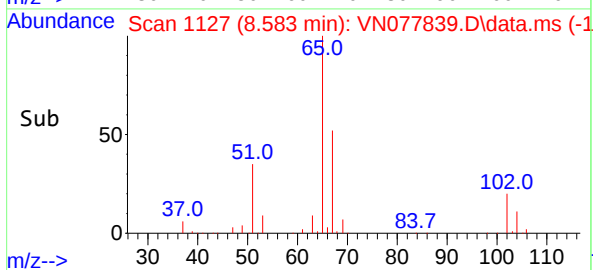
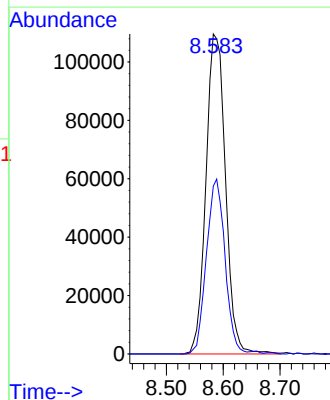
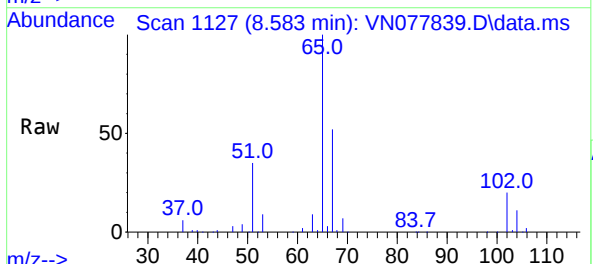
Acq: 24 May 2023 04:37

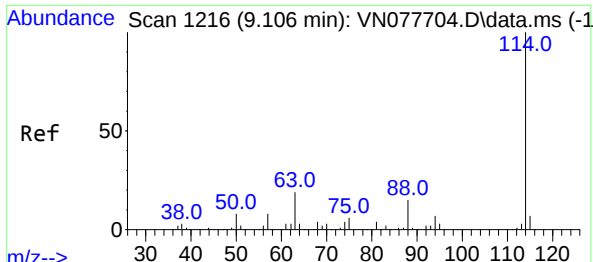
Tgt Ion: 65 Resp: 261290

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.6

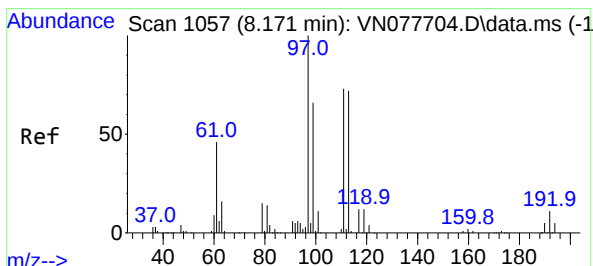
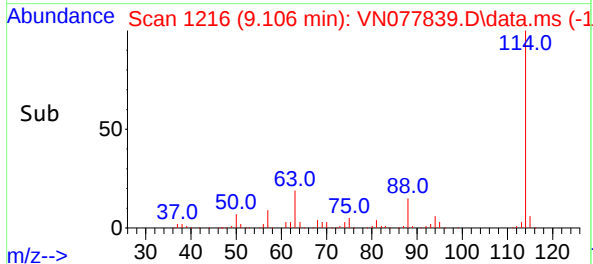
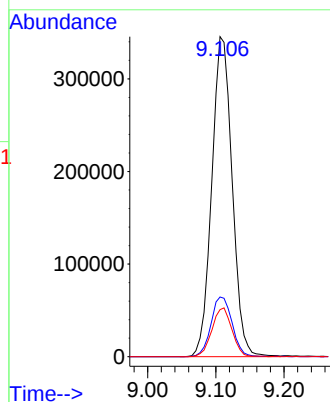
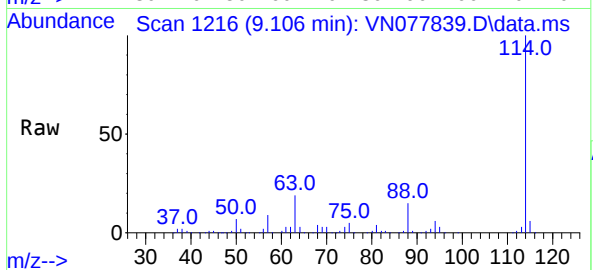




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

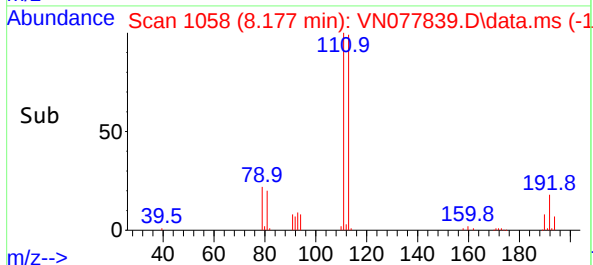
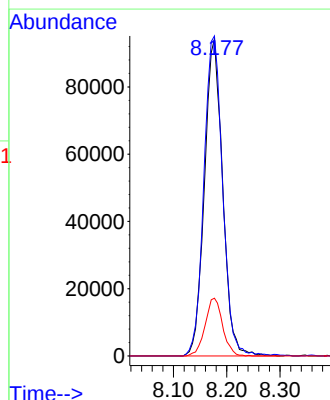
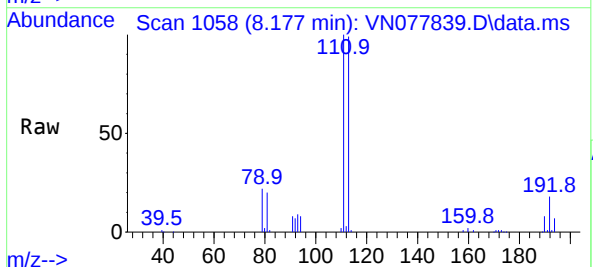
Instrument :
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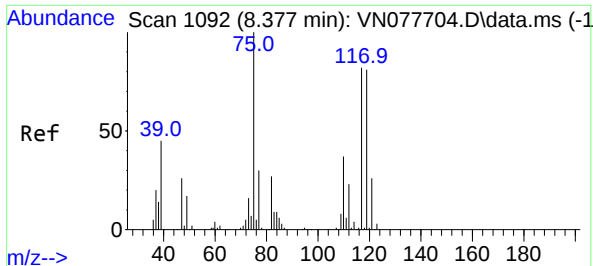
Tgt Ion:114 Resp: 719821
Ion Ratio Lower Upper
114 100
63 18.7 0.0 36.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.615 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion:113 Resp: 223497
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 17.5 12.7 19.1

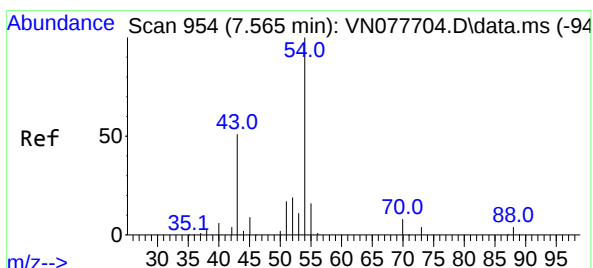
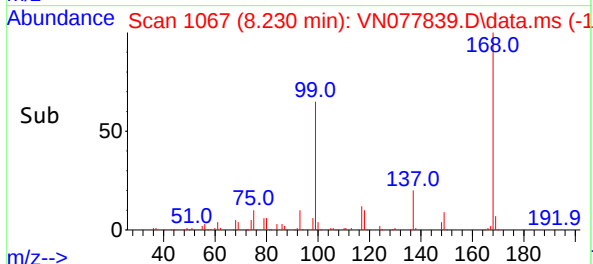
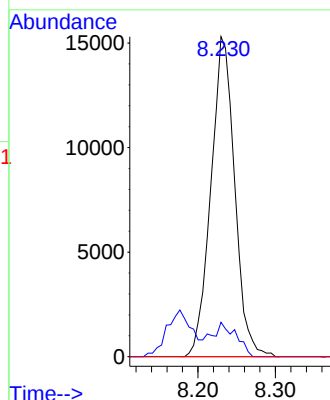
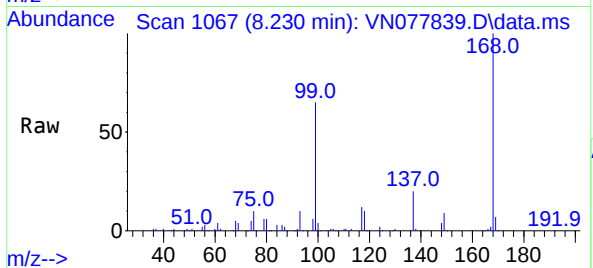




#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

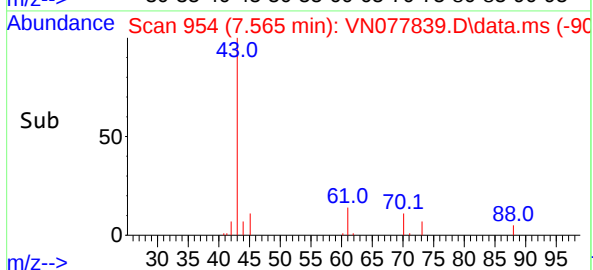
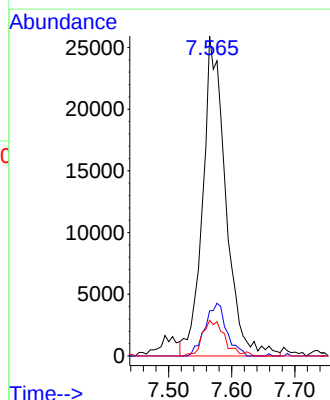
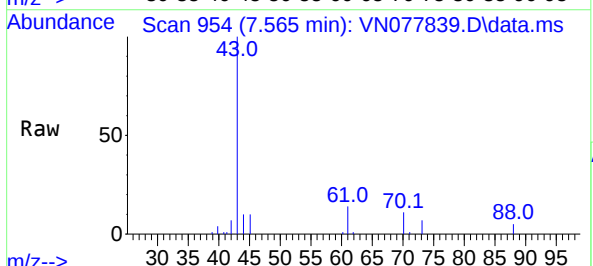
Instrument :
MSVOA_N
ClientSampleId :
TP-33

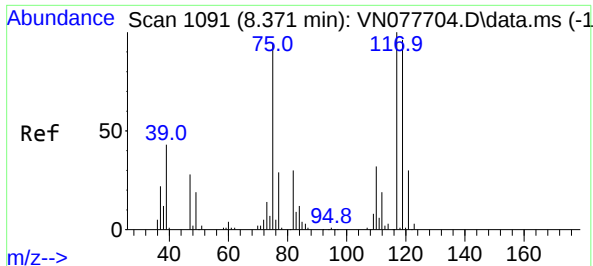
Tgt Ion: 75 Resp: 32638
Ion Ratio Lower Upper
75 100
110 10.9 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 10.705 ug/l
RT: 7.565 min Scan# 954
Delta R.T. -0.000 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion: 43 Resp: 65507
Ion Ratio Lower Upper
43 100
61 15.4 13.2 19.8
70 10.8 11.3 16.9#

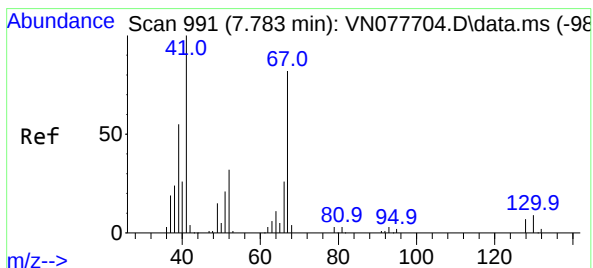
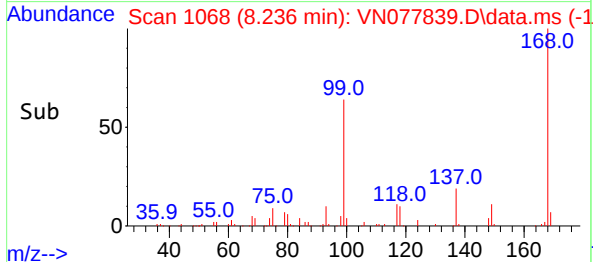
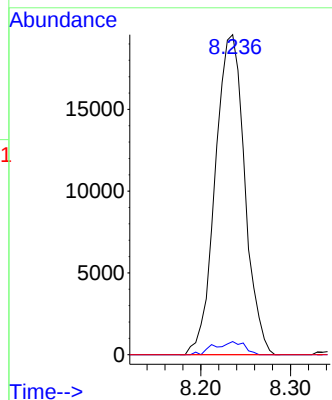
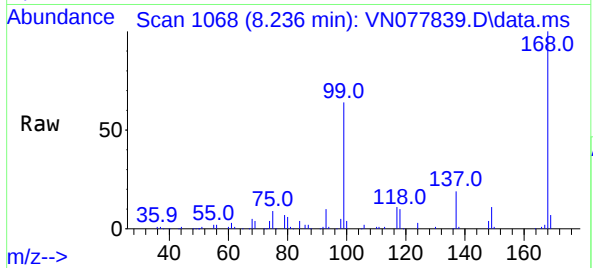




#38
Carbon Tetrachloride
Concen: 6.434 ug/l
RT: 8.236 min Scan# 1004
Delta R.T. -0.136 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

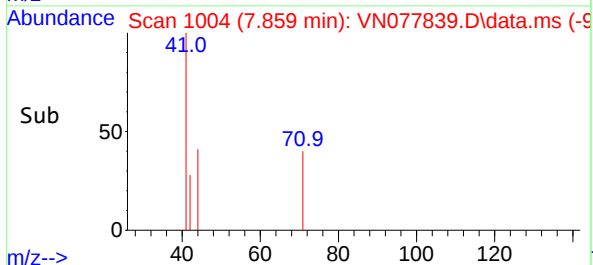
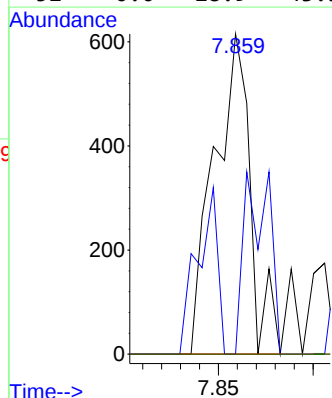
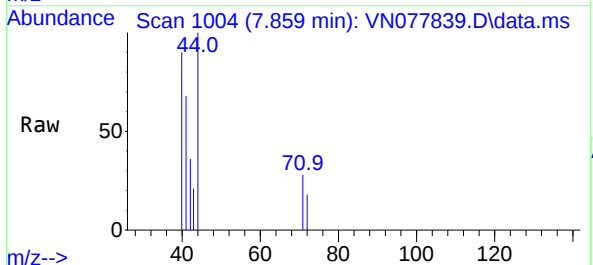
Instrument :
MSVOA_N
ClientSampleId :
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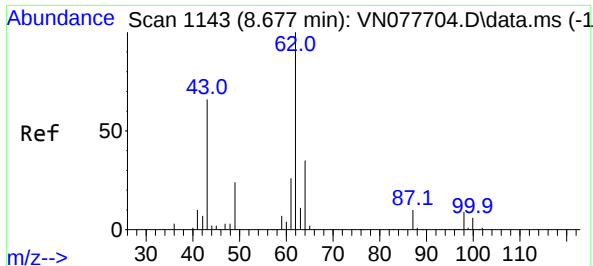
Tgt Ion:117 Resp: 44608
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#



#41
Methacrylonitrile
Concen: 0.249 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.077 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion: 41 Resp: 811
Ion Ratio Lower Upper
41 100
39 39.2 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#

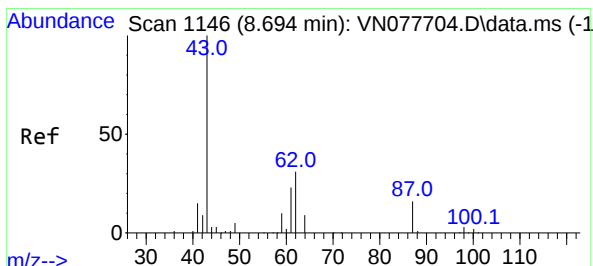
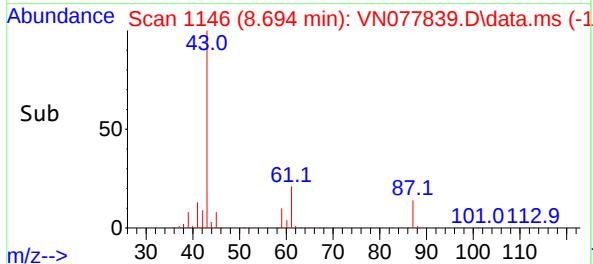
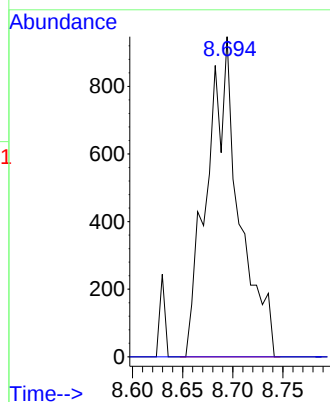
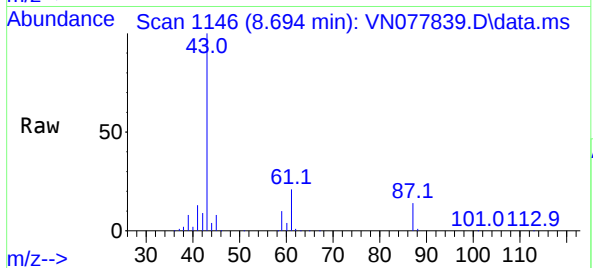




#42
1,2-Dichloroethane
Concen: 0.287 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.017 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

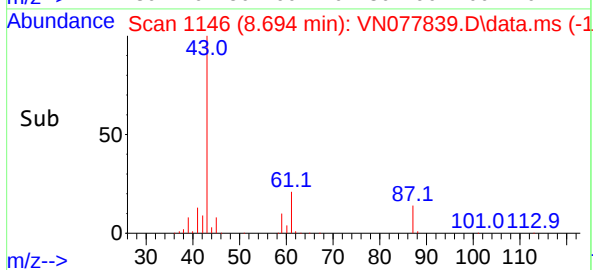
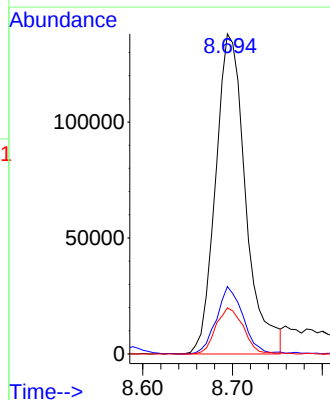
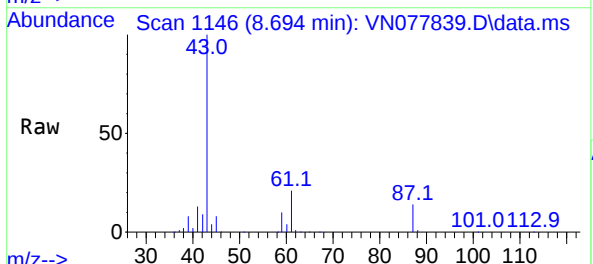
Instrument :
MSVOA_N
ClientSampleId :
TP-33

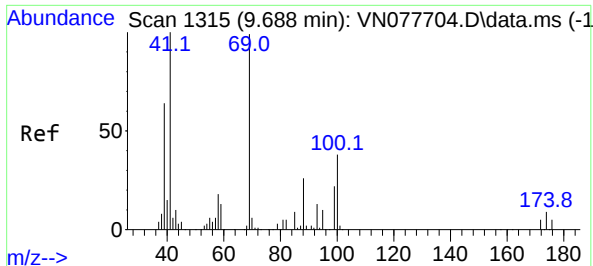
Tgt Ion: 62 Resp: 2109
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 32.146 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion: 43 Resp: 321310
Ion Ratio Lower Upper
43 100
61 18.8 24.7 37.1#
87 13.2 14.6 21.8#

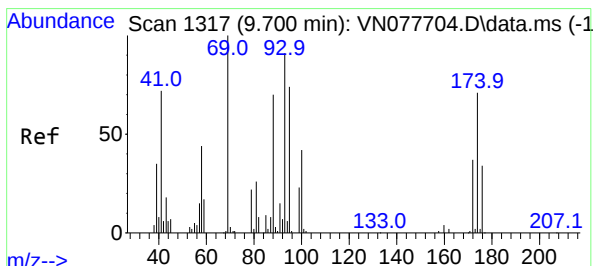
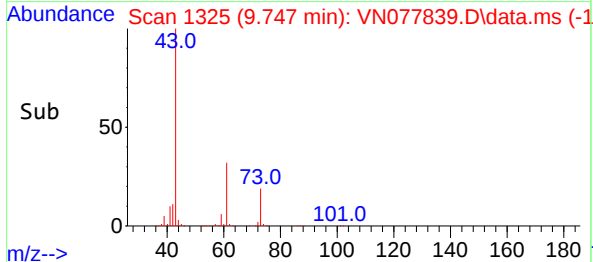
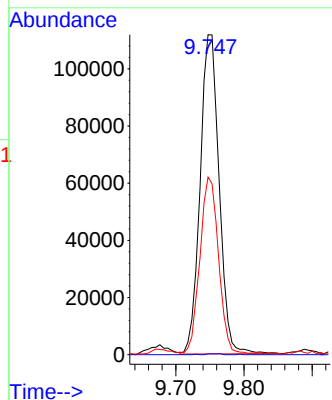
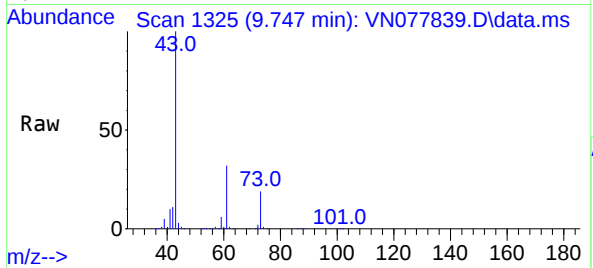




#48
Methyl methacrylate
Concen: 45.605 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

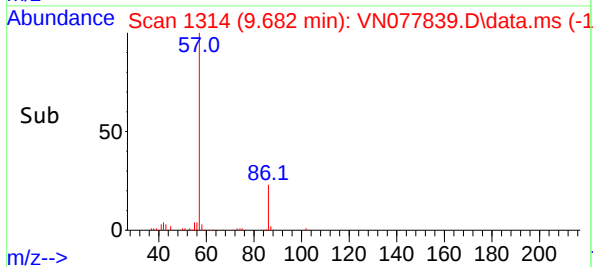
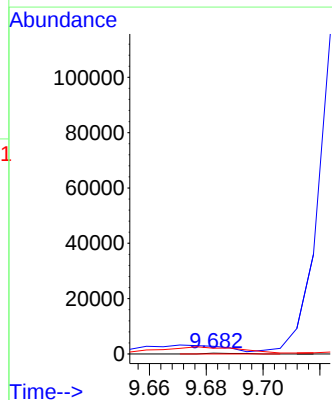
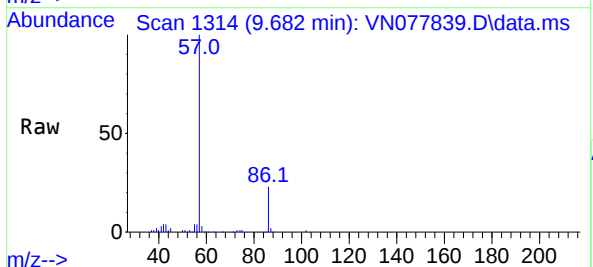
Instrument :
MSVOA_N
ClientSampleId :
TP-33

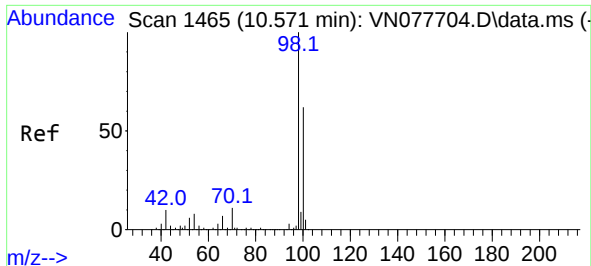
Tgt Ion: 41 Resp: 216119
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 53.8 54.6 81.8#



#49
1,4-Dioxane
Concen: 2.458 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.012 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion: 88 Resp: 220
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 2591.4 47.0 70.4#

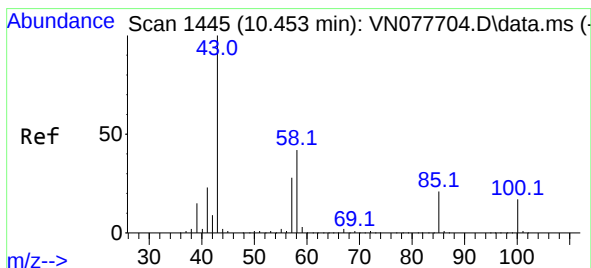
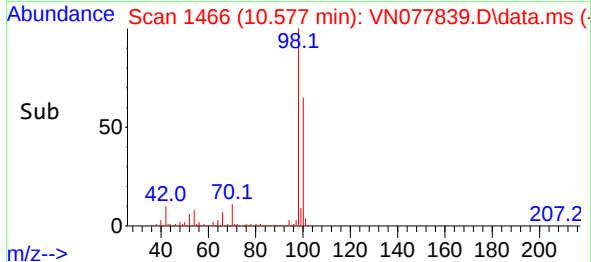
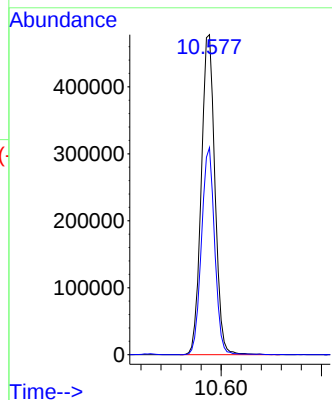
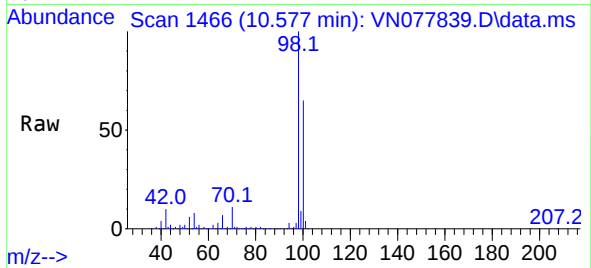




#50
Toluene-d8
Concen: 49.950 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

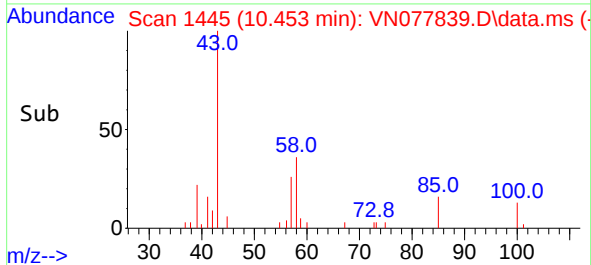
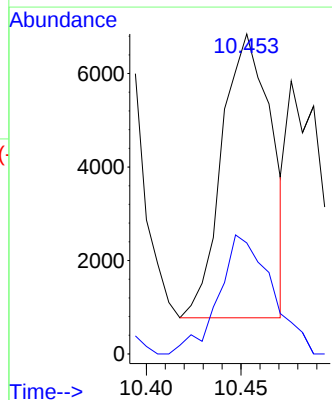
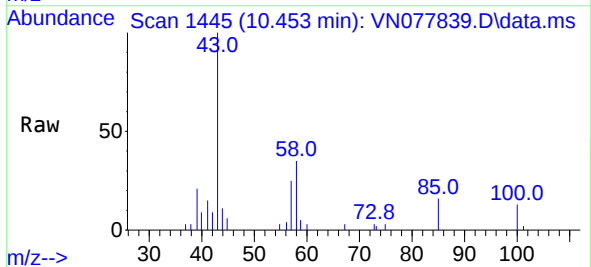
Instrument :
MSVOA_N
ClientSampleId :
TP-33

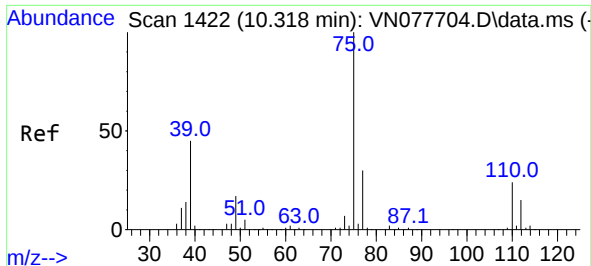
Tgt Ion: 98 Resp: 902442
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.858 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion: 43 Resp: 11036
Ion Ratio Lower Upper
43 100
58 44.9 36.6 54.8

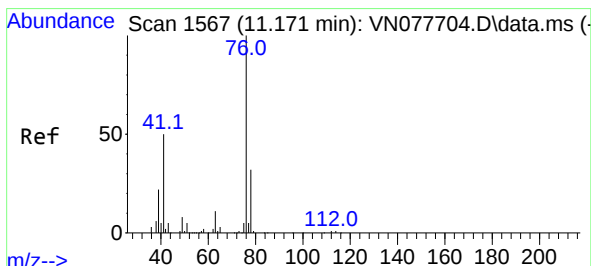
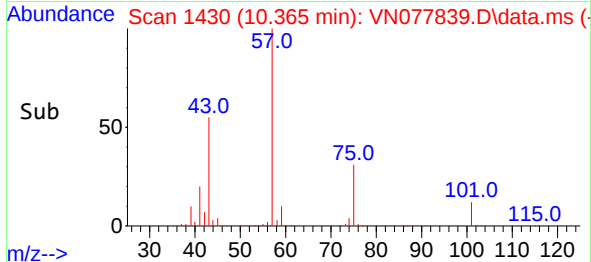
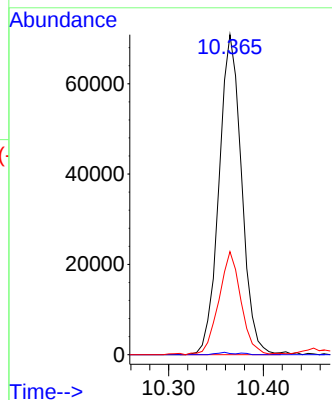
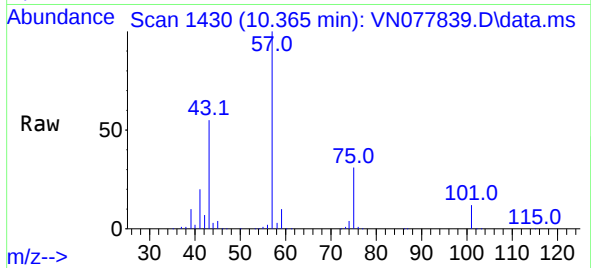




#54
cis-1,3-Dichloropropene
Concen: 14.247 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

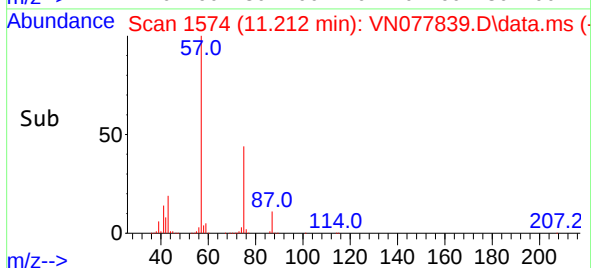
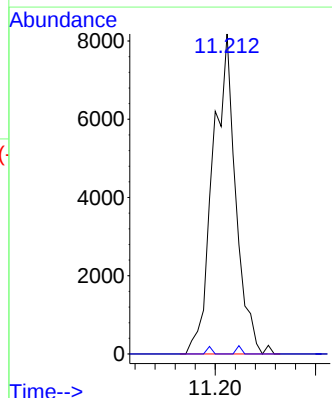
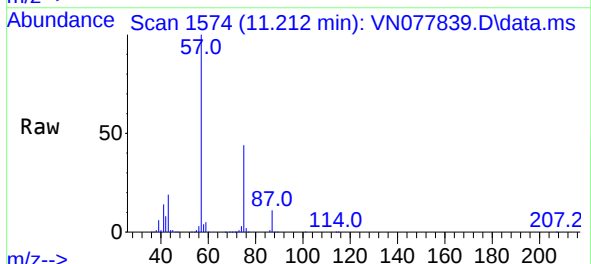
Instrument :
MSVOA_N
ClientSampleId :
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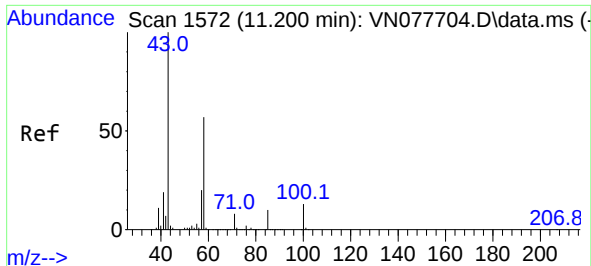
Tgt Ion: 75 Resp: 117702
Ion Ratio Lower Upper
75 100
77 0.3 26.1 39.1#
39 31.8 31.6 47.4



#57
1,3-Dichloropropane
Concen: 1.515 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.041 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion: 76 Resp: 13008
Ion Ratio Lower Upper
76 100
78 0.6 26.1 39.1#

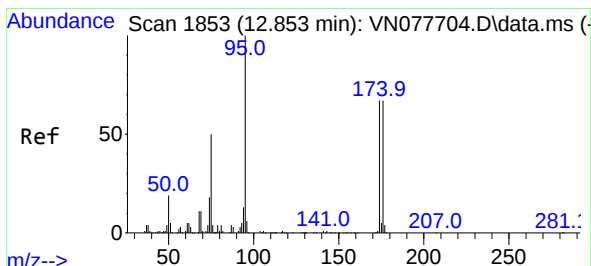
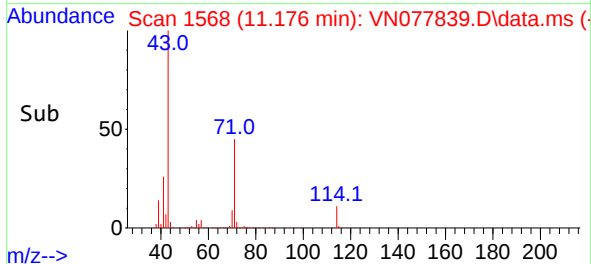
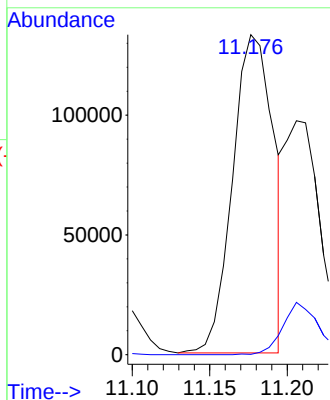
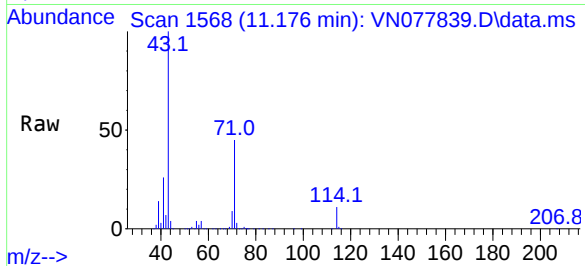




#59
2-Hexanone
Concen: 55.450 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

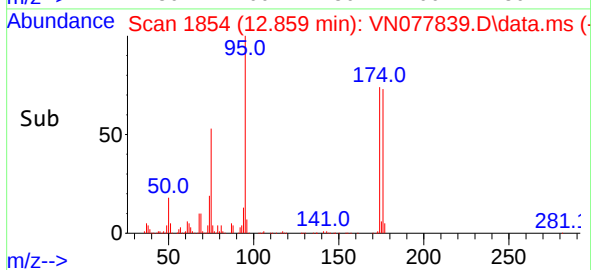
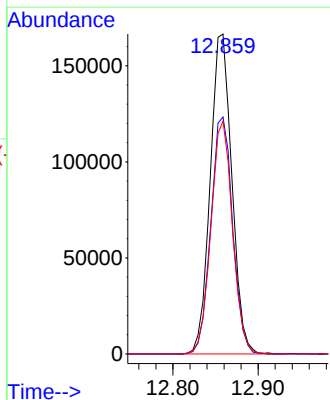
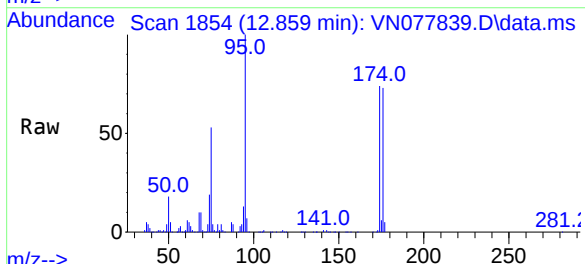
Instrument :
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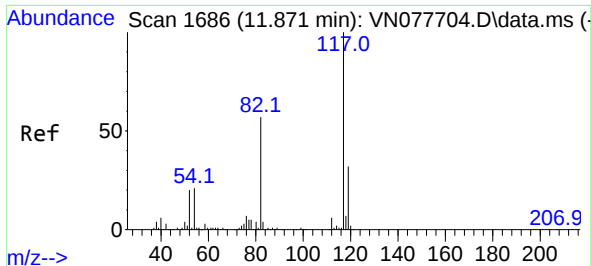
Tgt Ion: 43 Resp: 243679
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.998 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion: 95 Resp: 293509
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 72.1 0.0 135.8

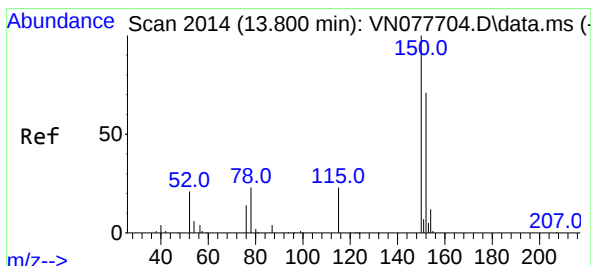
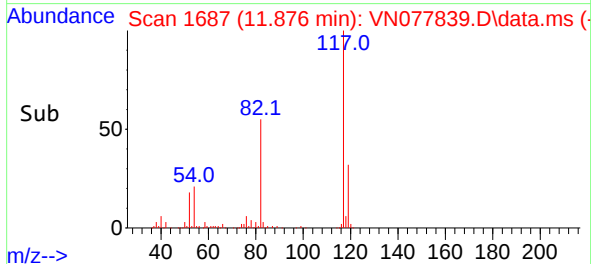
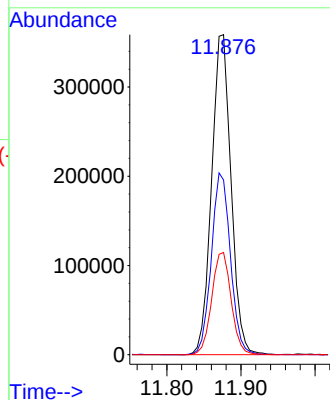
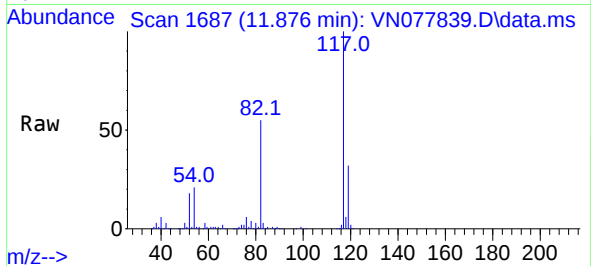




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

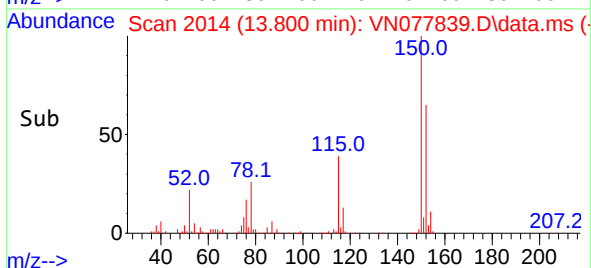
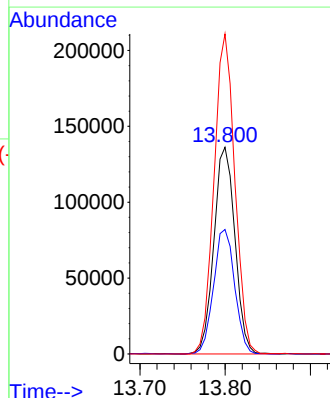
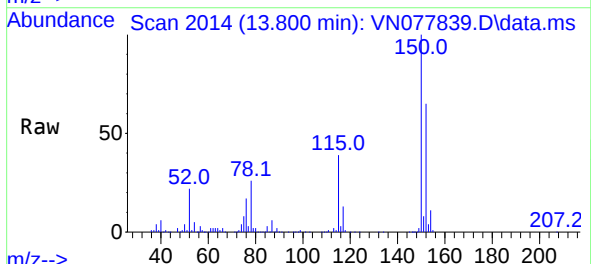
Instrument :
MSVOA_N
ClientSampleId :
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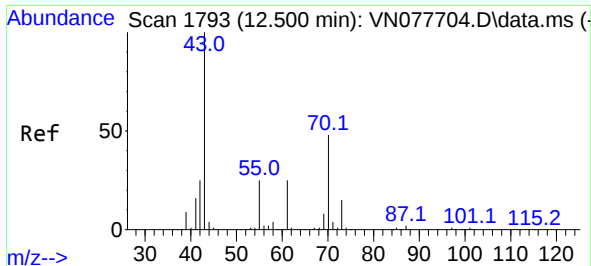
Tgt Ion:117 Resp: 653514
Ion Ratio Lower Upper
117 100
82 54.6 44.0 66.0
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion:152 Resp: 233790
Ion Ratio Lower Upper
152 100
115 60.6 32.3 96.8
150 153.1 0.0 355.8



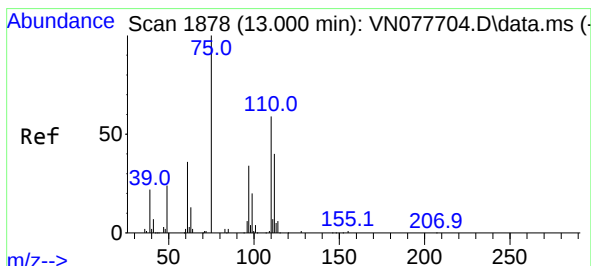
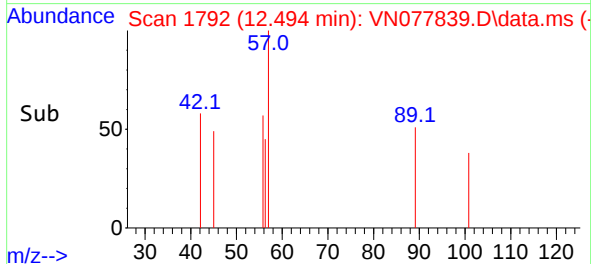
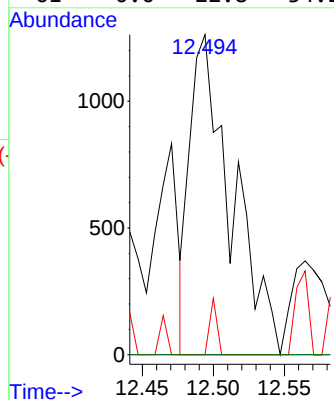
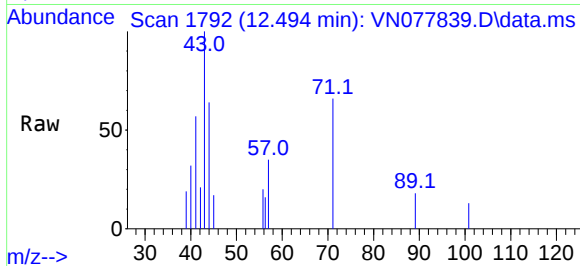


#74
N-amy1 acetate
Concen: 0.346 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Instrument :
MSVOA_N
ClientSampleId :
TP-33

Tgt Ion: 43 Resp: 2581

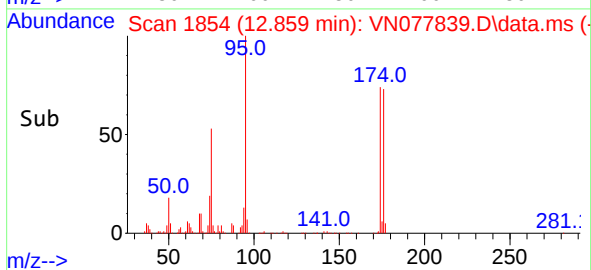
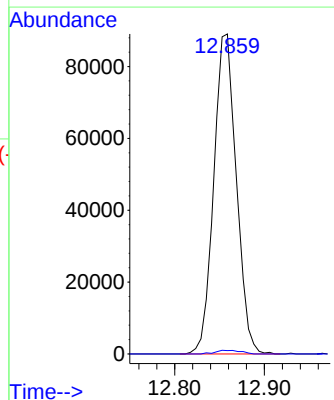
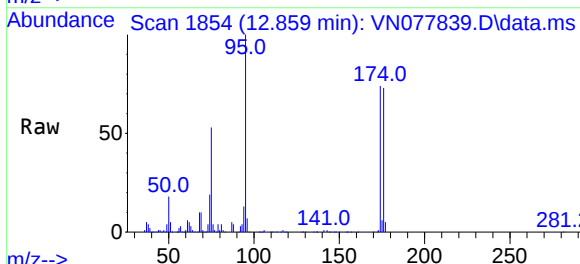
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	0.0	21.4	32.0#
61	0.0	22.8	34.2#

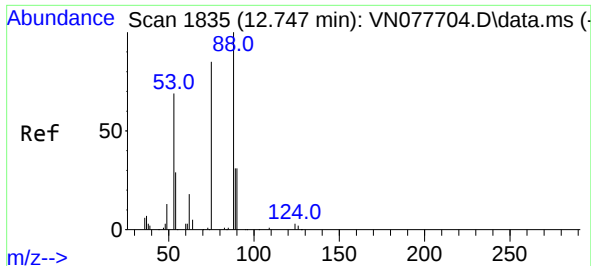


#76
1,2,3-Trichloropropane
Concen: 26.551 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077839.D
Acq: 24 May 2023 04:37

Tgt Ion: 75 Resp: 155455

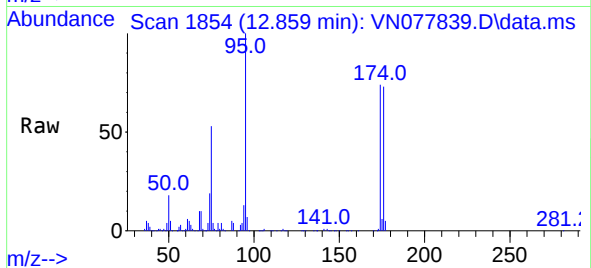
Ion	Ratio	Lower	Upper
75	100		
77	1.3	84.5	253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.871 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077839.D
 Acq: 24 May 2023 04:37

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-33



Tgt Ion: 75 Resp: 155455
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

