

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077136.D
 Acq On : 23 Mar 2023 08:37
 Operator : JC\MD
 Sample : 02016-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 09:30:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

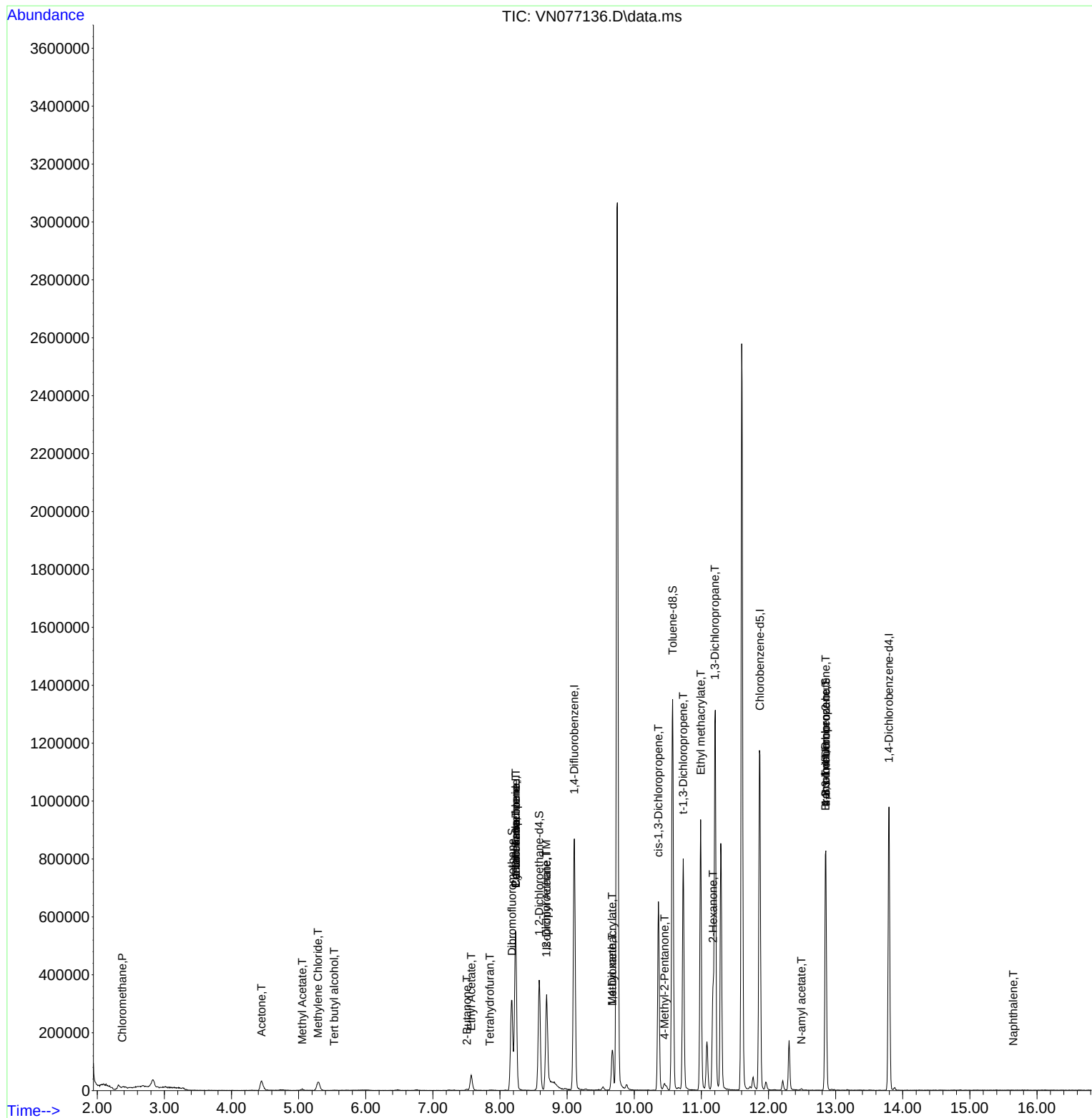
Internal Standards						
1) Pentafluorobenzene	8.236	168	388455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	705304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	654180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	247525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	301577	48.603	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.200%
35) Dibromofluoromethane	8.178	113	226556	45.868	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.740%
50) Toluene-d8	10.572	98	906832	51.396	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.800%
62) 4-Bromofluorobenzene	12.854	95	270343	43.361	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.720%
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	934	0.239	ug/l	97
11) Tert butyl alcohol	5.531	59	321	0.355	ug/l #	72
16) Acetone	4.448	43	64732	23.413	ug/l	96
18) Methyl Acetate	5.054	43	8304	0.796	ug/l #	78
20) Methylene Chloride	5.290	84	22408	3.734	ug/l #	93
25) 2-Butanone	7.507	43	5981	1.479	ug/l	100
29) Tetrahydrofuran	7.848	42	650	0.248	ug/l #	69
31) Cyclohexane	8.236	56	11377	1.121	ug/l #	46
36) 1,1-Dichloropropene	8.236	75	35919	4.656	ug/l #	50
37) Ethyl Acetate	7.572	43	76657	9.287	ug/l	99
38) Carbon Tetrachloride	8.236	117	40589	5.401	ug/l #	15
42) 1,2-Dichloroethane	8.689	62	2634	0.312	ug/l #	76
43) Isopropyl Acetate	8.695	43	379668	29.444	ug/l #	84
48) Methyl methacrylate	9.672	41	10155	1.647	ug/l #	40
49) 1,4-Dioxane	9.672	88	73	0.693	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	13867	1.727	ug/l	99
53) t-1,3-Dichloropropene	10.730	75	1753	0.218	ug/l #	49
54) cis-1,3-Dichloropropene	10.360	75	102651	11.293	ug/l #	74
56) Ethyl methacrylate	10.989	69	3937	0.475	ug/l #	1
57) 1,3-Dichloropropane	11.201	76	12925	1.282	ug/l #	44
59) 2-Hexanone	11.172	43	285995	49.106	ug/l #	24
71) Bromoform	12.848	173	2364	0.626	ug/l #	1
74) N-amyl acetate	12.489	43	2663	0.277	ug/l #	43
76) 1,2,3-Trichloropropane	12.854	75	153081	23.909	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	153081	65.812	ug/l #	10
95) Naphthalene	15.648	128	341	1.932	ug/l #	70

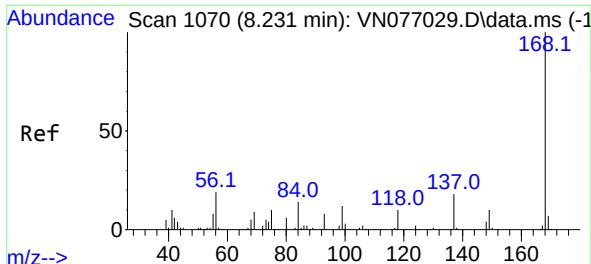
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 20 08:50:30 2023
Response via : Initial Calibration

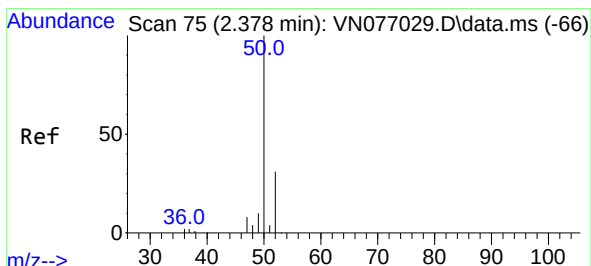
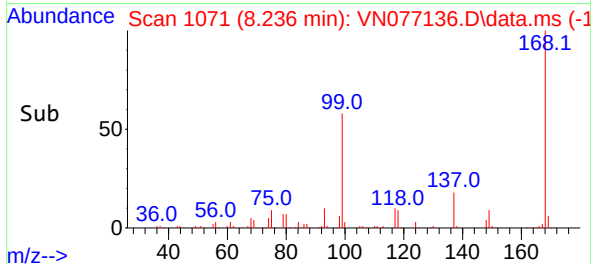
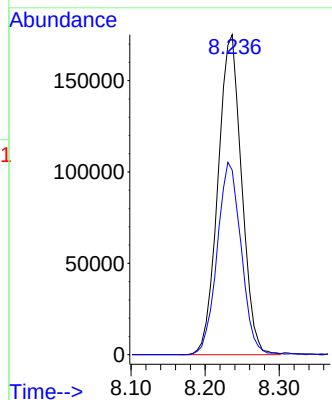
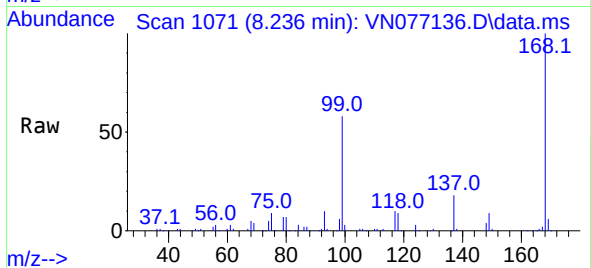




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

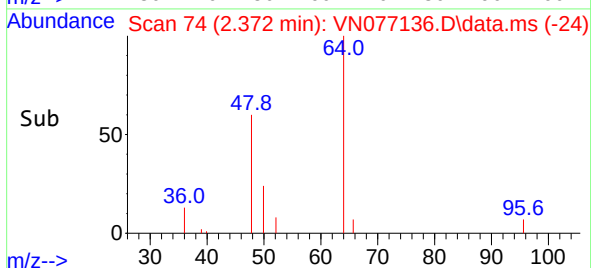
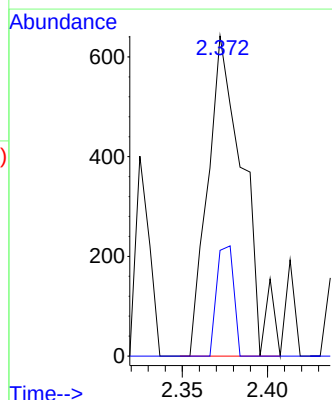
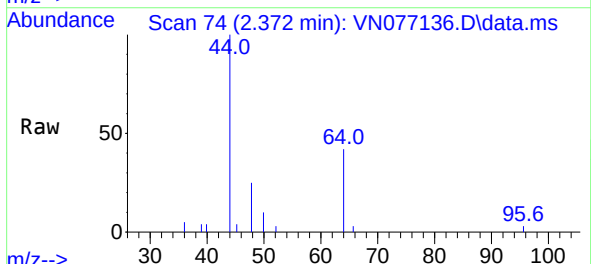
Instrument :
MSVOA_N
ClientSampleId :

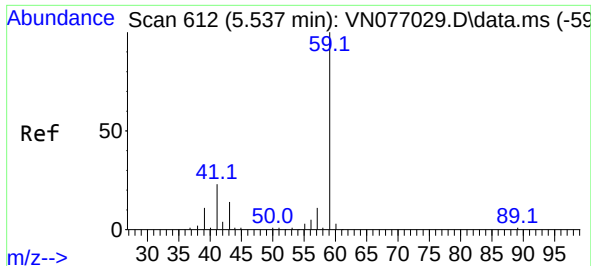
Tgt Ion:168 Resp: 388455
Ion Ratio Lower Upper
168 100
99 57.7 53.9 80.9



#3
Chloromethane
Concen: 0.239 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

Tgt Ion: 50 Resp: 934
Ion Ratio Lower Upper
50 100
52 33.0 25.1 37.7





#11

Tert butyl alcohol

Concen: 0.355 ug/l

RT: 5.531 min Scan# 611

Delta R.T. -0.006 min

Lab File: VN077136.D

Acq: 23 Mar 2023 08:37

Instrument :

MSVOA_N

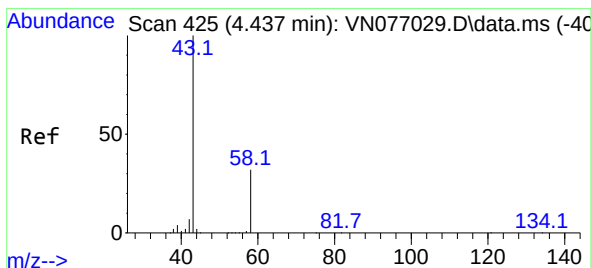
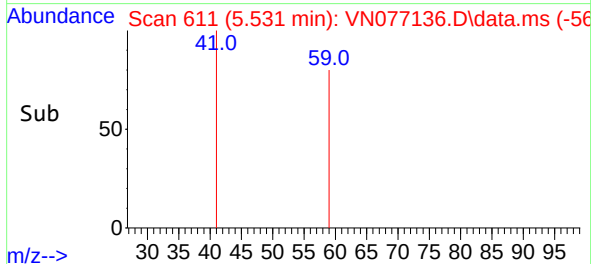
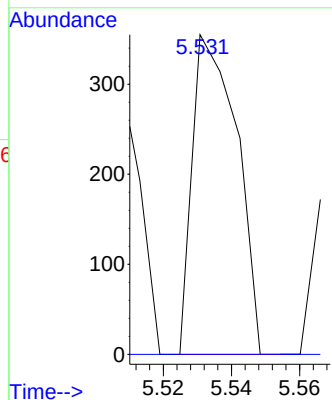
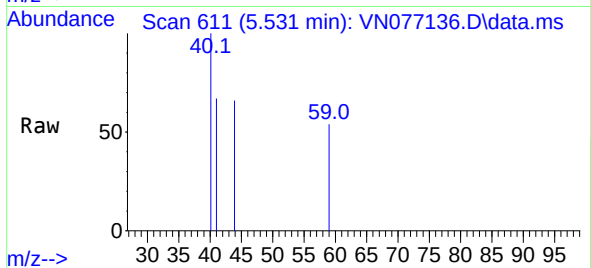
ClientSampleId :

Tgt Ion: 59 Resp: 321

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#16

Acetone

Concen: 23.413 ug/l

RT: 4.448 min Scan# 427

Delta R.T. 0.011 min

Lab File: VN077136.D

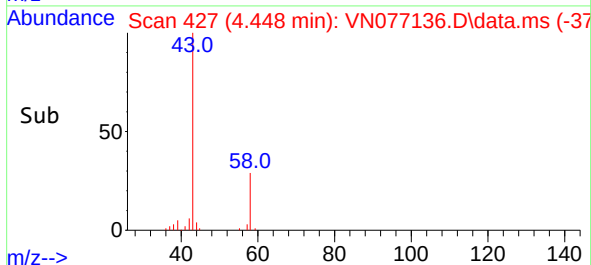
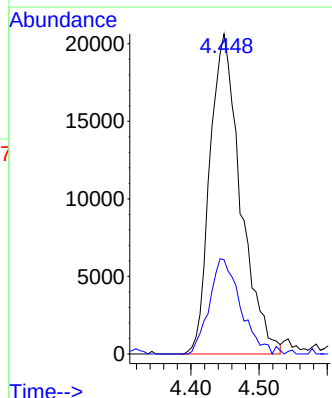
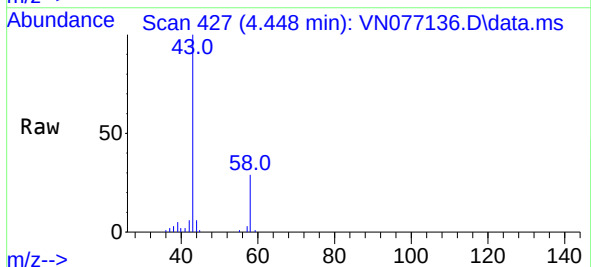
Acq: 23 Mar 2023 08:37

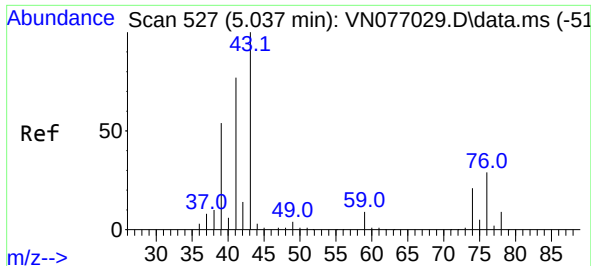
Tgt Ion: 43 Resp: 64732

Ion Ratio Lower Upper

43 100

58 29.5 25.4 38.0

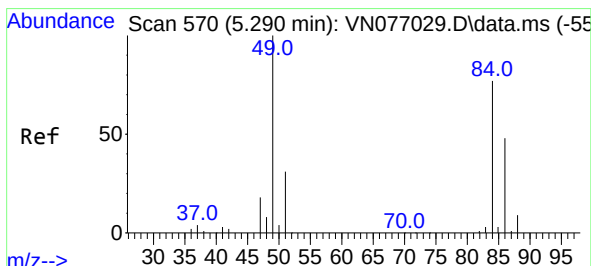
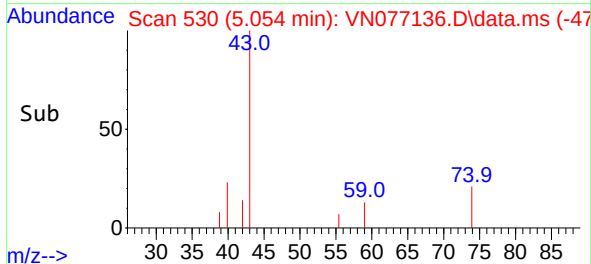
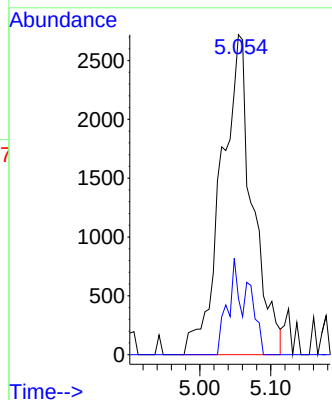
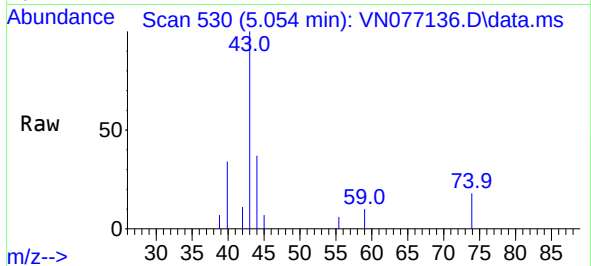




#18
Methyl Acetate
Concen: 0.796 ug/l
RT: 5.054 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

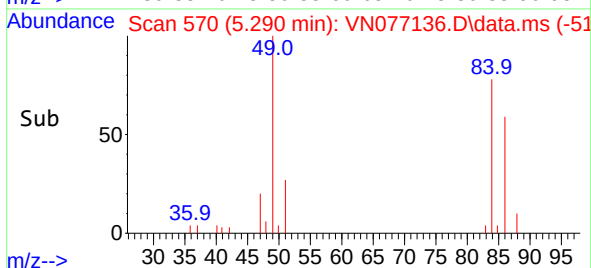
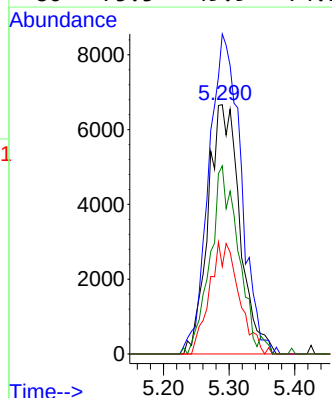
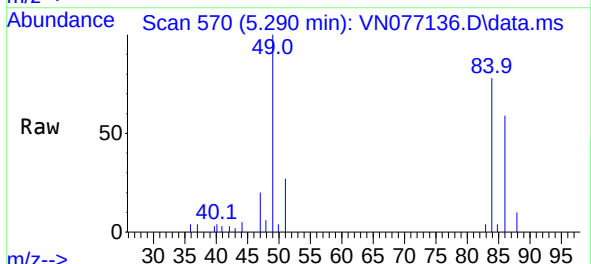
Instrument :
MSVOA_N
ClientSampleId :

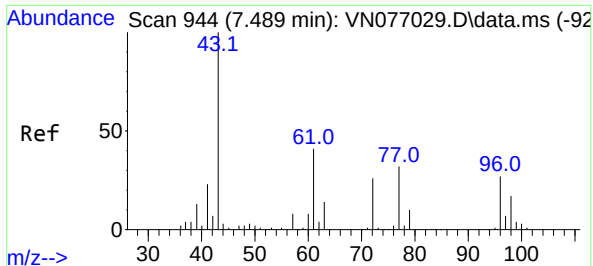
Tgt Ion: 43 Resp: 8304
Ion Ratio Lower Upper
43 100
74 11.4 17.7 26.5#



#20
Methylene Chloride
Concen: 3.734 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

Tgt Ion: 84 Resp: 22408
Ion Ratio Lower Upper
84 100
49 128.4 103.8 155.6
51 35.1 32.3 48.5
86 75.5 49.9 74.9#

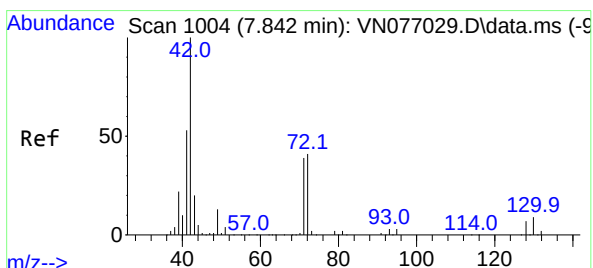
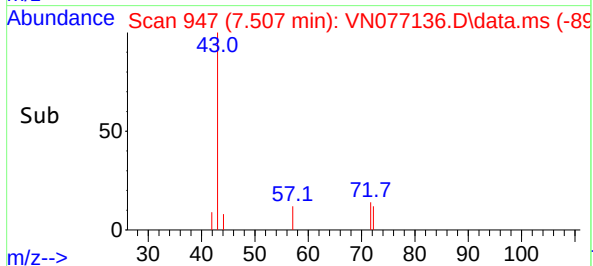
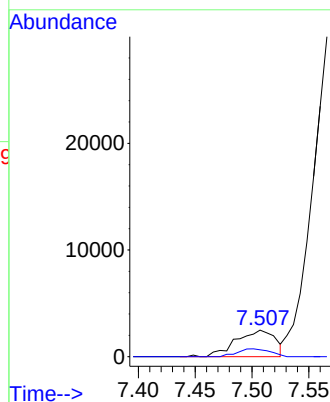
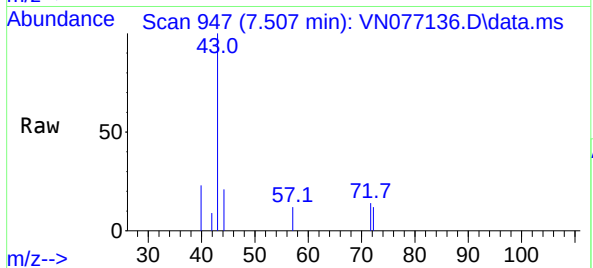




#25
2-Butanone
Concen: 1.479 ug/l
RT: 7.507 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

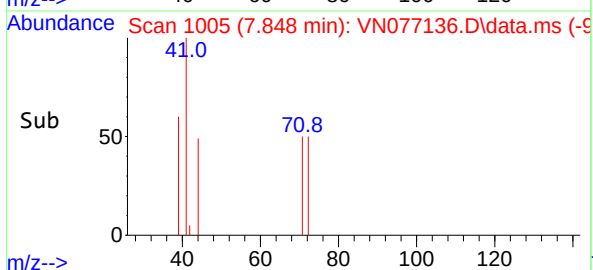
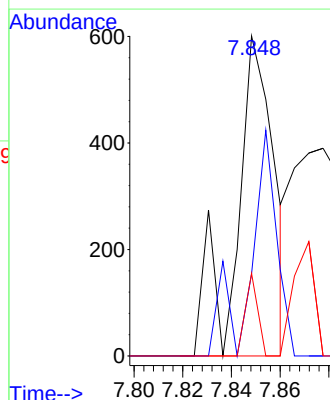
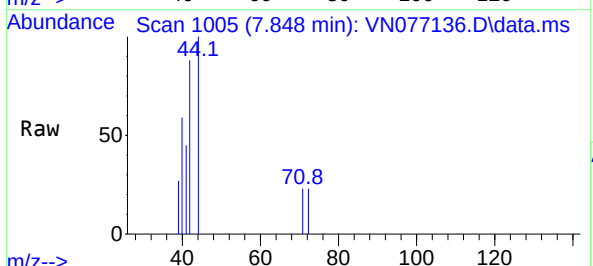
Instrument :
MSVOA_N
ClientSampleId :

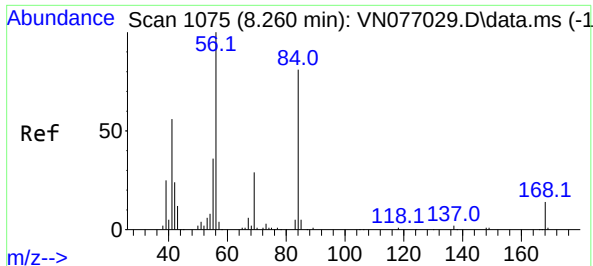
Tgt Ion: 43 Resp: 5981
Ion Ratio Lower Upper
43 100
72 25.9 20.7 31.1



#29
Tetrahydrofuran
Concen: 0.248 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

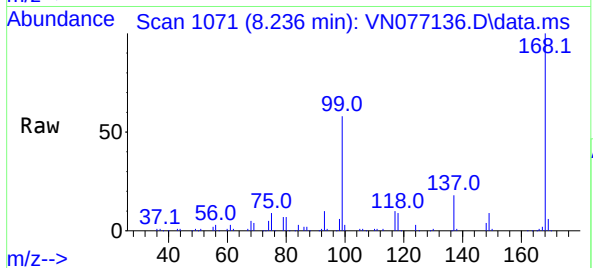
Tgt Ion: 42 Resp: 650
Ion Ratio Lower Upper
42 100
72 49.8 33.2 49.8#
71 8.5 31.0 46.4#



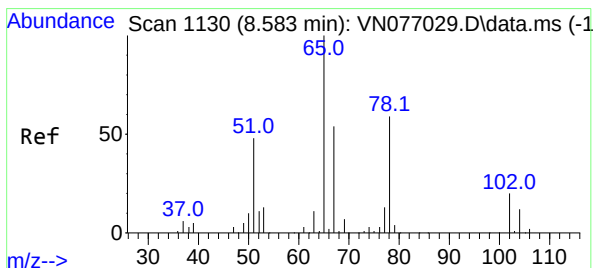
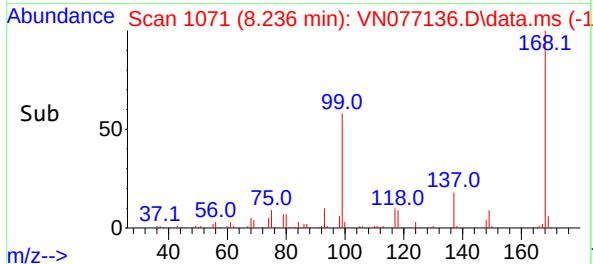
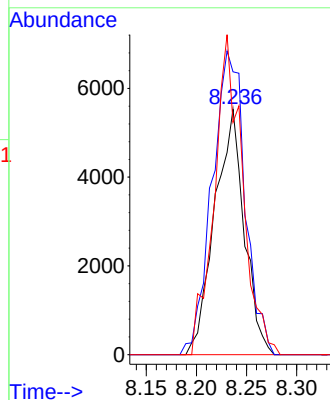


#31
Cyclohexane
Concen: 1.121 ug/l
RT: 8.236 min Scan# 1075
Delta R.T. -0.024 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

Instrument :
MSVOA_N
ClientSampleId :

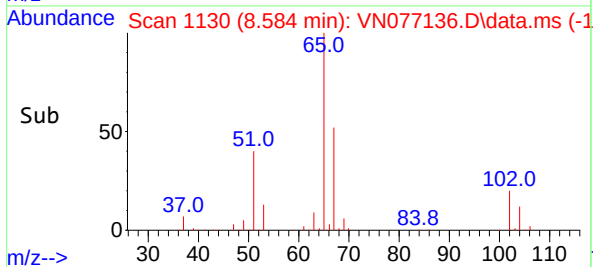
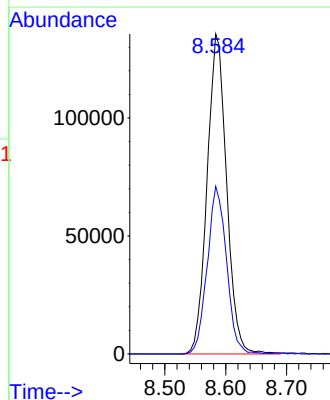
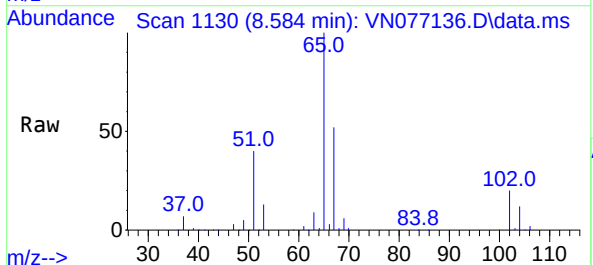


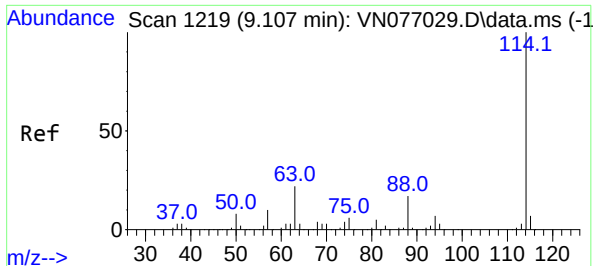
Tgt Ion: 56 Resp: 11377
Ion Ratio Lower Upper
56 100
69 115.2 22.8 34.2#
84 94.6 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 48.603 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

Tgt Ion: 65 Resp: 301577
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077136.D

Acq: 23 Mar 2023 08:37

Instrument :

MSVOA_N

ClientSampleId :

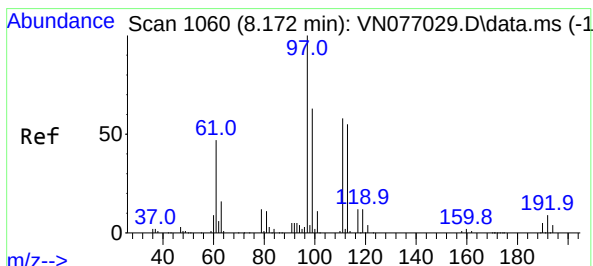
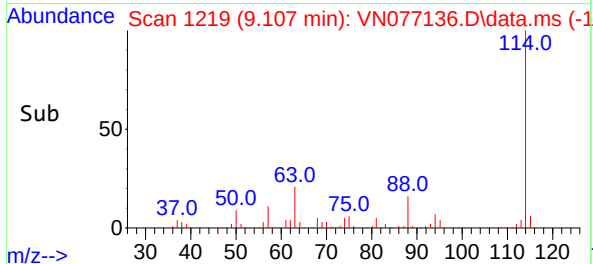
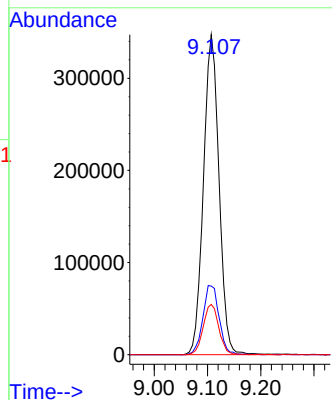
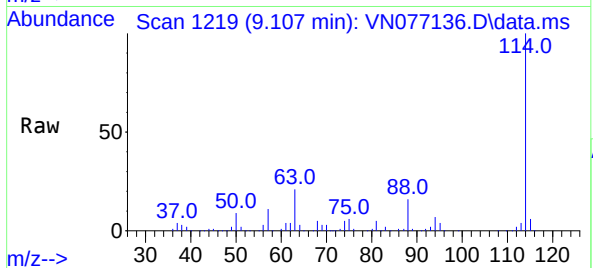
Tgt Ion:114 Resp: 705304

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.6

88 15.7 0.0 33.8



#35

Dibromofluoromethane

Concen: 45.868 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN077136.D

Acq: 23 Mar 2023 08:37

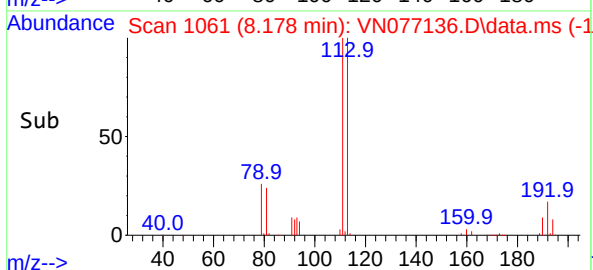
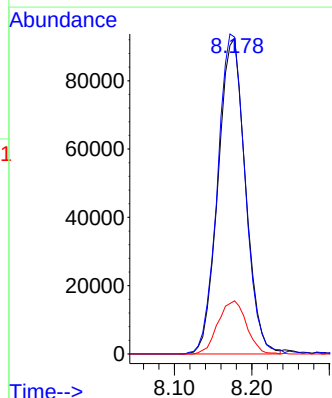
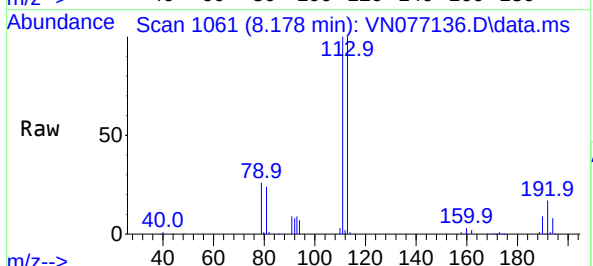
Tgt Ion:113 Resp: 226556

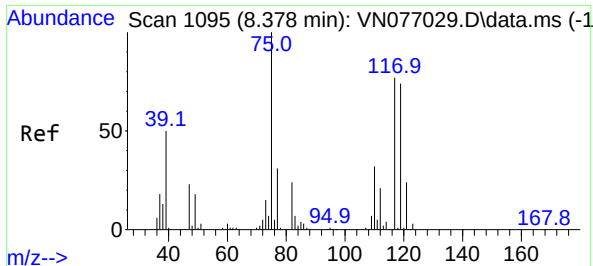
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

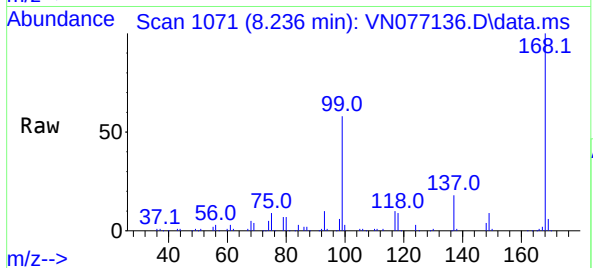
192 17.5 13.0 19.6



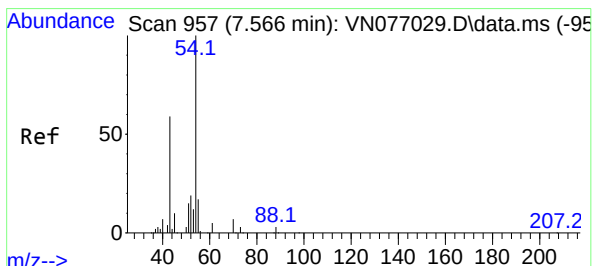
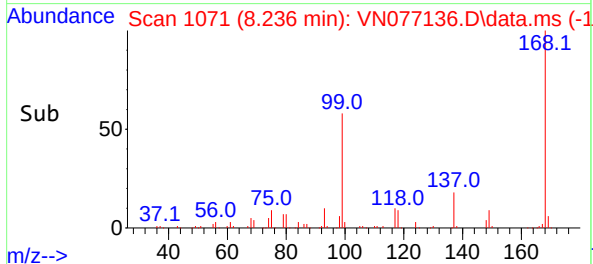
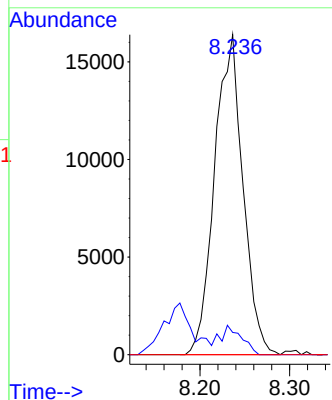


#36
1,1-Dichloropropene
Concen: 4.656 ug/l
RT: 8.236 min Scan# 1095
Delta R.T. -0.141 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

Instrument :
MSVOA_N
ClientSampleId :

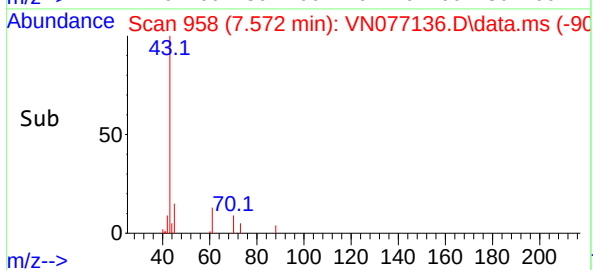
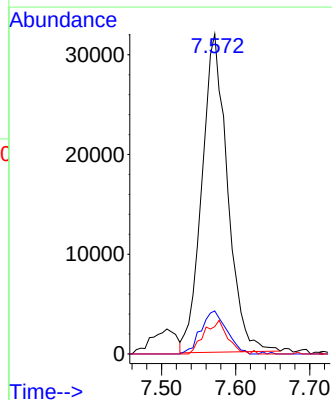
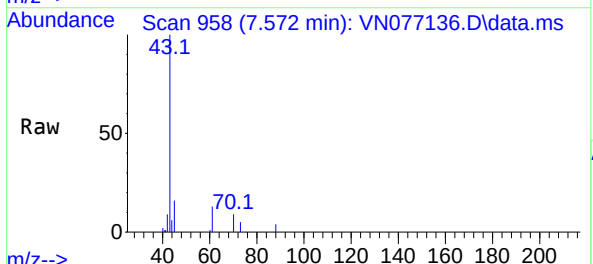


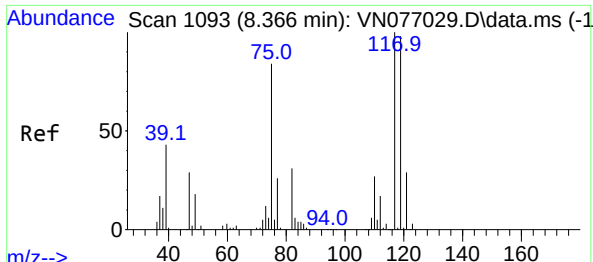
Tgt Ion: 75 Resp: 35919
Ion Ratio Lower Upper
75 100
110 7.0 15.9 47.7#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 9.287 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

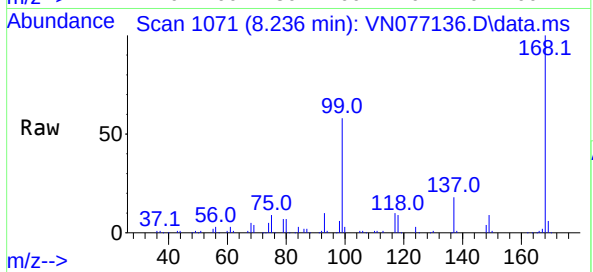
Tgt Ion: 43 Resp: 76657
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.6
70 9.5 8.4 12.6



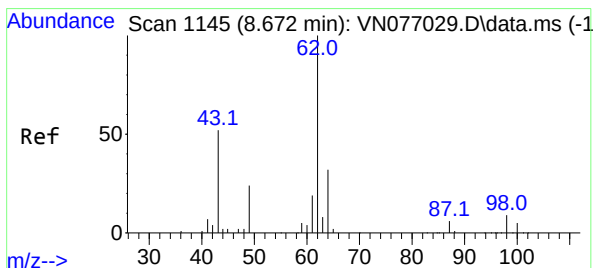
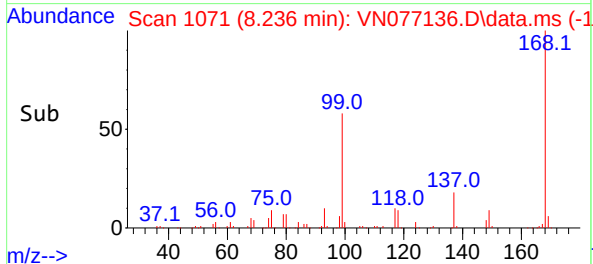
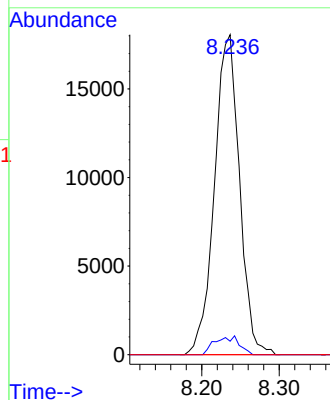


#38
Carbon Tetrachloride
Concen: 5.401 ug/l
RT: 8.236 min Scan# 1093
Delta R.T. -0.129 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

Instrument :
MSVOA_N
ClientSampleId :

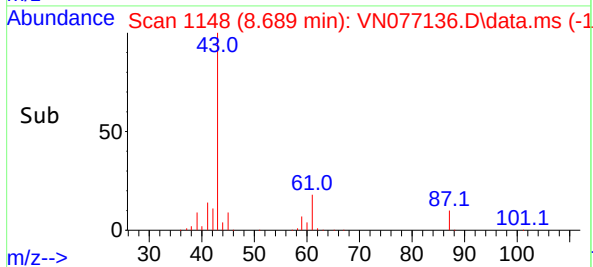
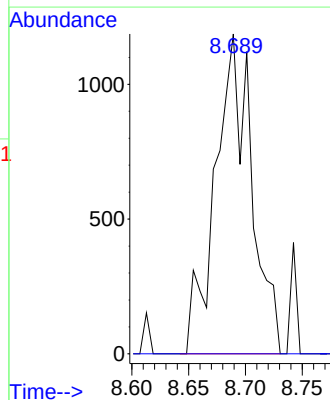
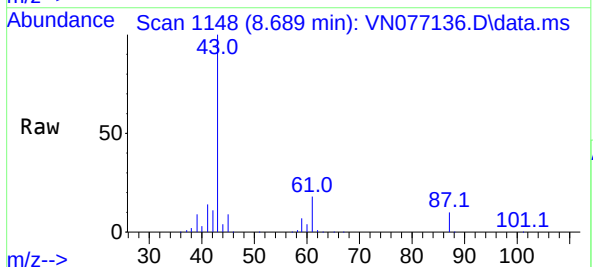


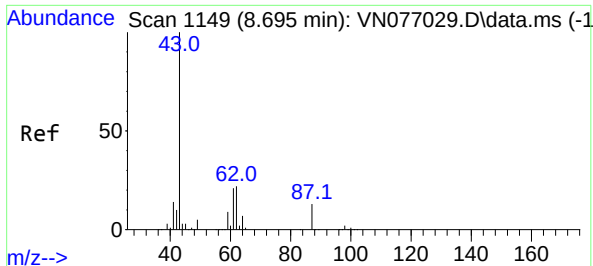
Tgt Ion:117 Resp: 40589
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 23.2 34.8#



#42
1,2-Dichloroethane
Concen: 0.312 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.018 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

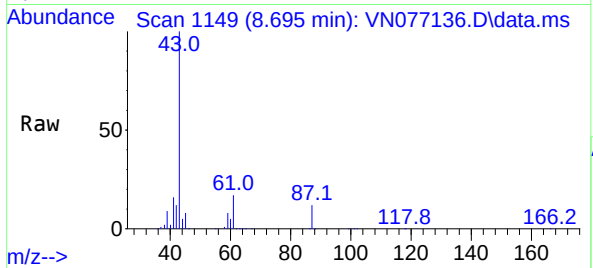
Tgt Ion: 62 Resp: 2634
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.4



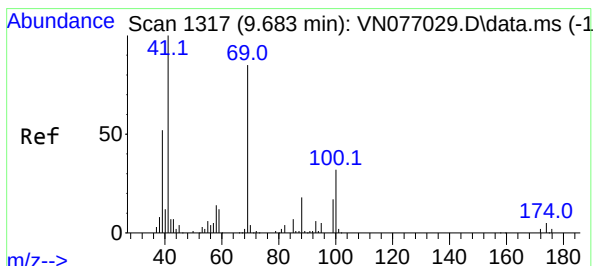
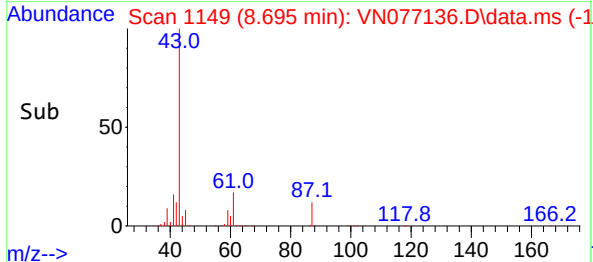
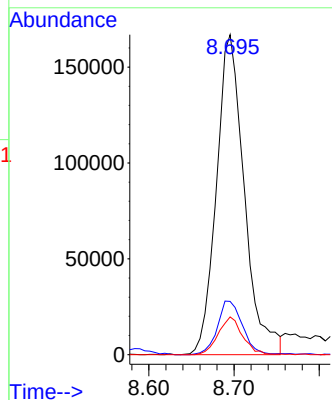


#43
Isopropyl Acetate
Concen: 29.444 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

Instrument :
MSVOA_N
ClientSampleId :

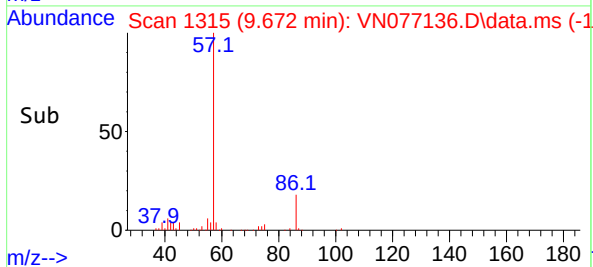
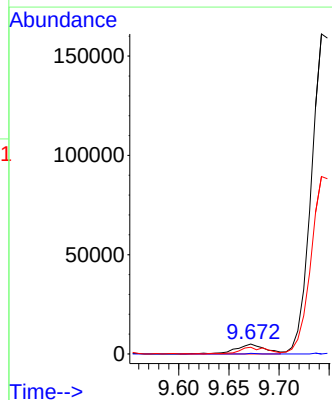
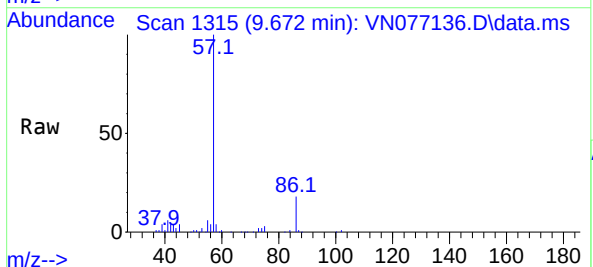


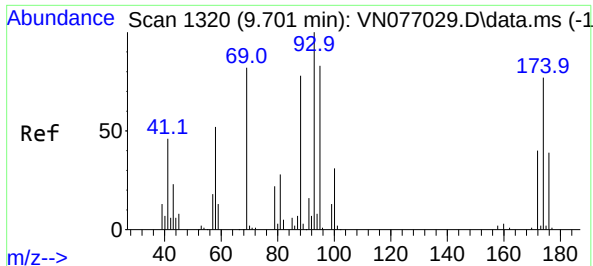
Tgt Ion: 43 Resp: 379668
Ion Ratio Lower Upper
43 100
61 15.1 20.6 30.8#
87 10.3 10.0 15.0



#48
Methyl methacrylate
Concen: 1.647 ug/l
RT: 9.672 min Scan# 1315
Delta R.T. -0.012 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

Tgt Ion: 41 Resp: 10155
Ion Ratio Lower Upper
41 100
69 1.5 64.3 96.5#
39 65.6 43.2 64.8#

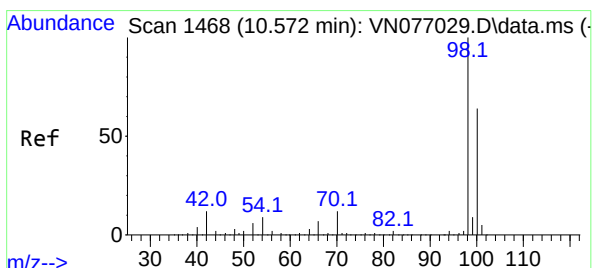
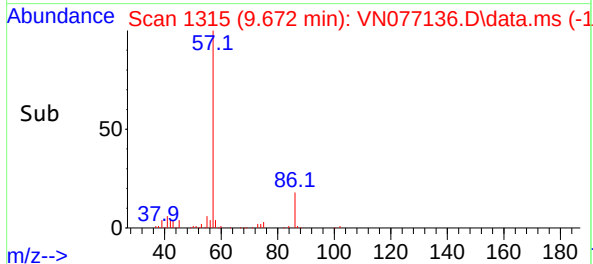
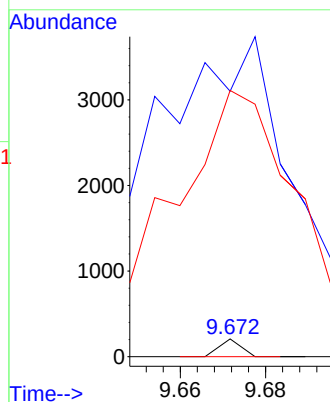
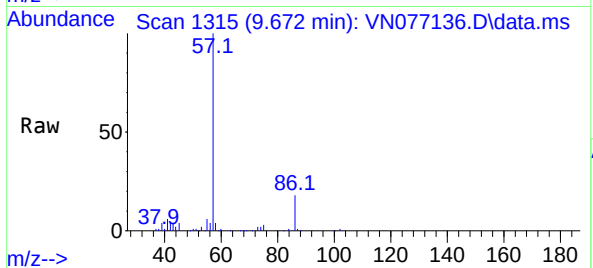




#49
1,4-Dioxane
Concen: 0.693 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

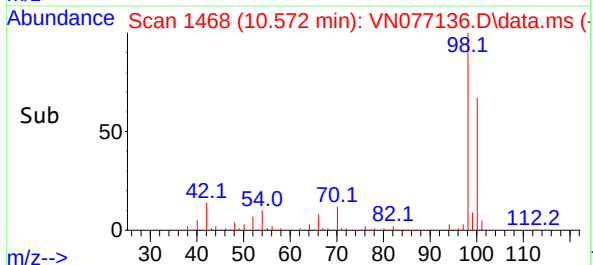
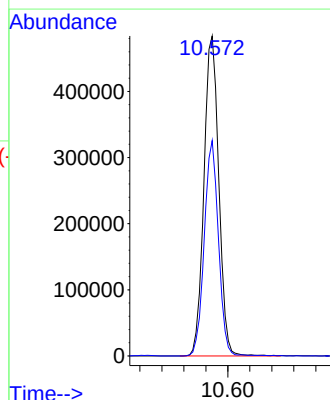
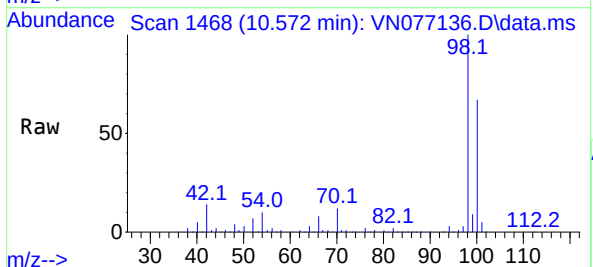
Instrument :
MSVOA_N
ClientSampleId :

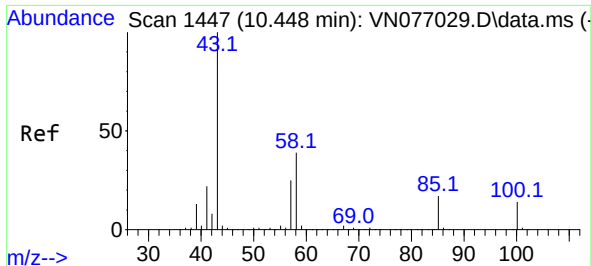
Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 9239.7 60.8 91.2#



#50
Toluene-d8
Concen: 51.396 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

Tgt Ion: 98 Resp: 906832
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

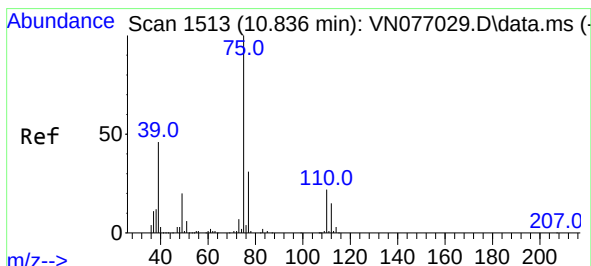
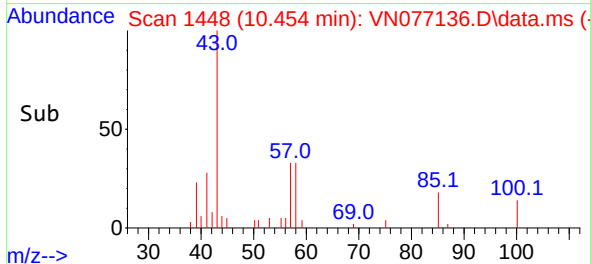
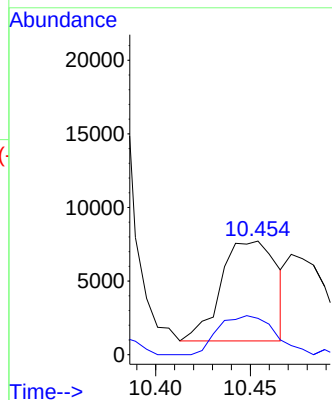
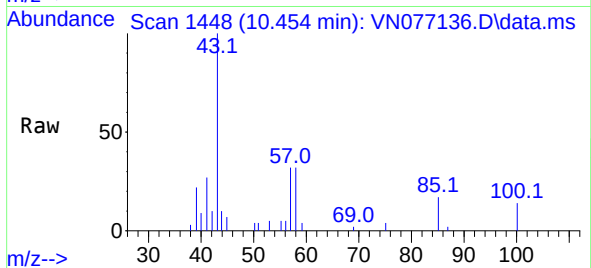




#51
4-Methyl-2-Pentanone
Concen: 1.727 ug/l
RT: 10.454 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

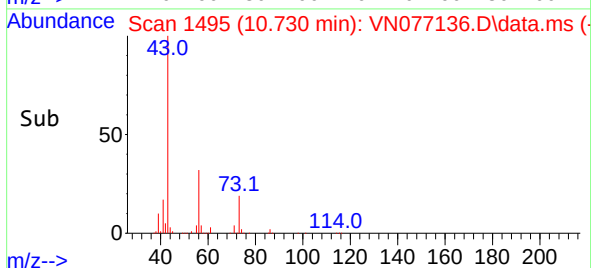
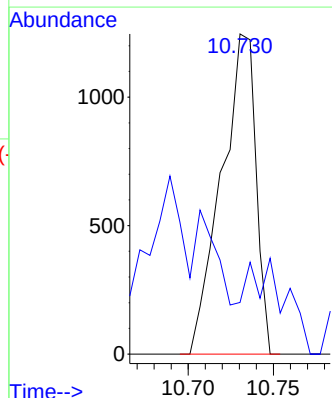
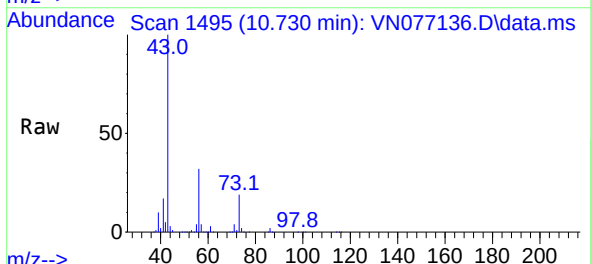
Instrument :
MSVOA_N
ClientSampleId :

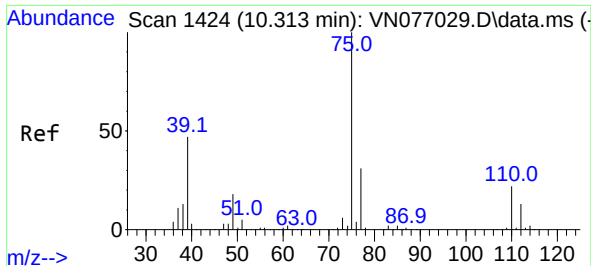
Tgt Ion: 43 Resp: 13867
Ion Ratio Lower Upper
43 100
58 39.8 31.1 46.7



#53
t-1,3-Dichloropropene
Concen: 0.218 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

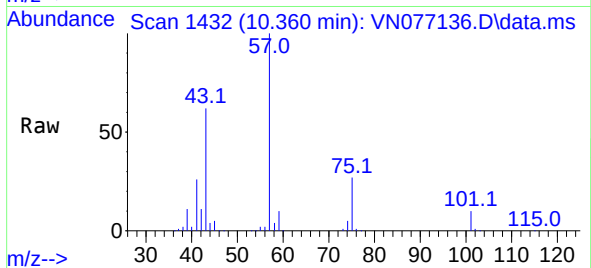
Tgt Ion: 75 Resp: 1753
Ion Ratio Lower Upper
75 100
77 3.4 25.1 37.7#



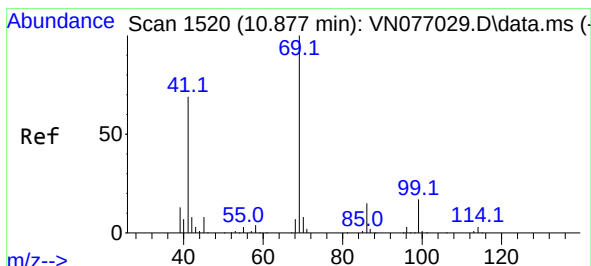
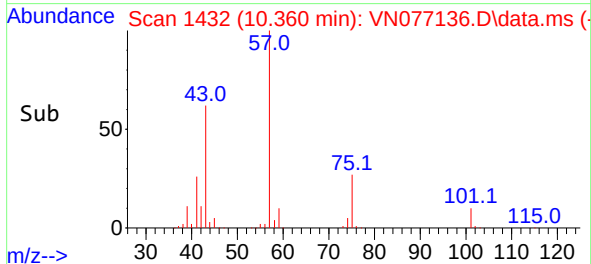
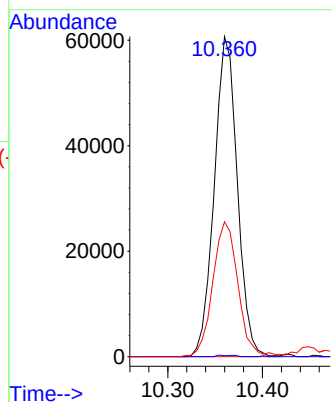


#54
 cis-1,3-Dichloropropene
 Concen: 11.293 ug/l
 RT: 10.360 min Scan# 1424
 Delta R.T. 0.047 min
 Lab File: VN077136.D
 Acq: 23 Mar 2023 08:37

Instrument :
 MSVOA_N
 ClientSampleId :

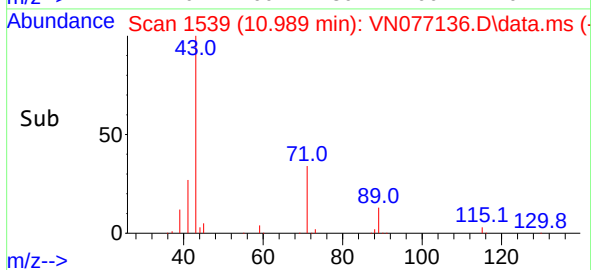
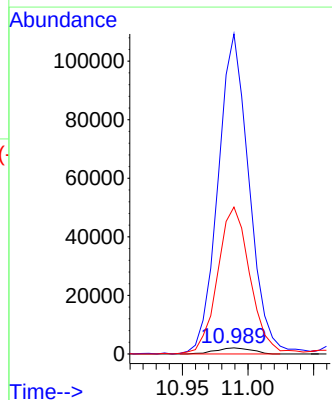
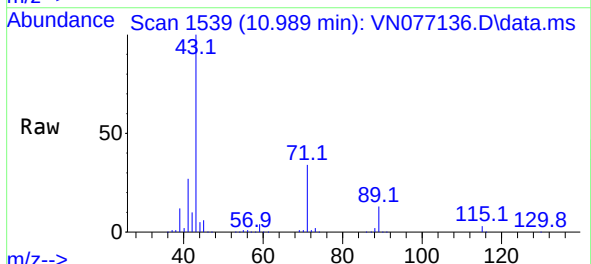


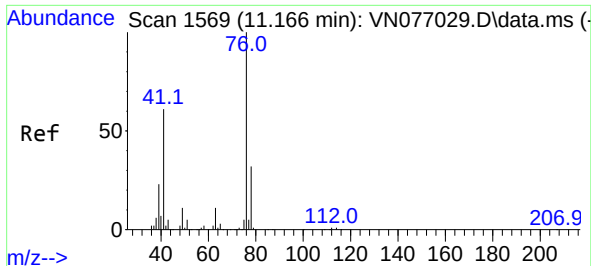
Tgt Ion: 75 Resp: 102651
 Ion Ratio Lower Upper
 75 100
 77 0.3 24.5 36.7#
 39 42.1 37.8 56.6



#56
 Ethyl methacrylate
 Concen: 0.475 ug/l
 RT: 10.989 min Scan# 1539
 Delta R.T. 0.112 min
 Lab File: VN077136.D
 Acq: 23 Mar 2023 08:37

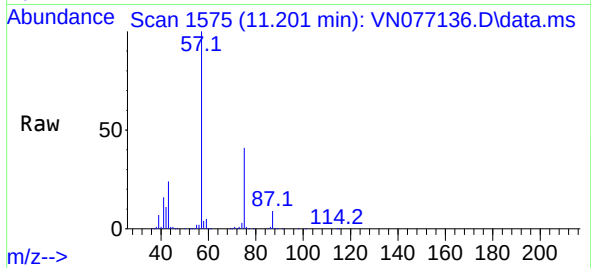
Tgt Ion: 69 Resp: 3937
 Ion Ratio Lower Upper
 69 100
 41 4599.1 54.9 82.3#
 39 2204.4 26.6 40.0#



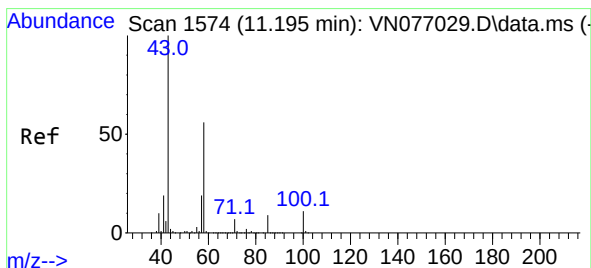
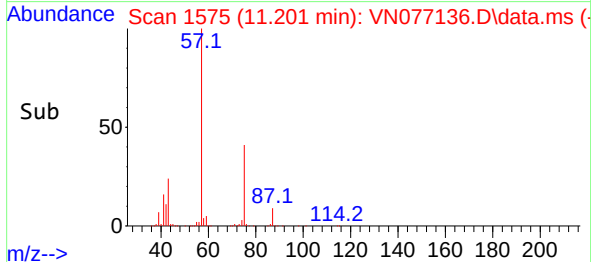
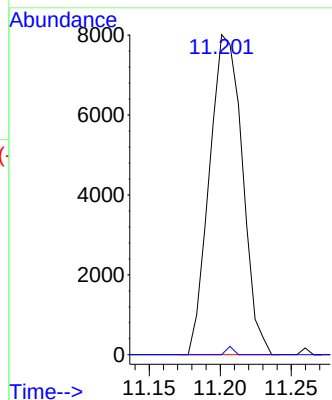


#57
1,3-Dichloropropane
Concen: 1.282 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

Instrument :
MSVOA_N
ClientSampleId :

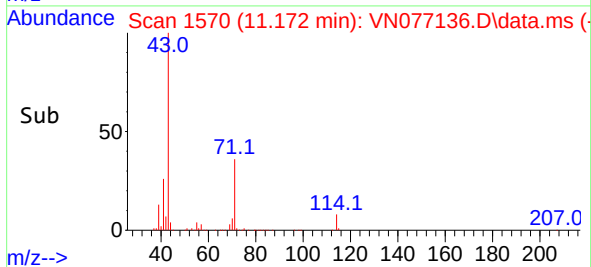
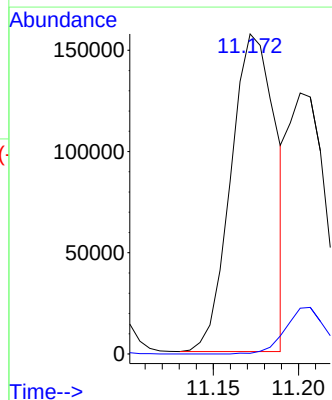
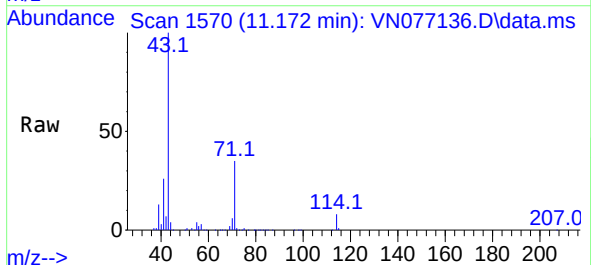


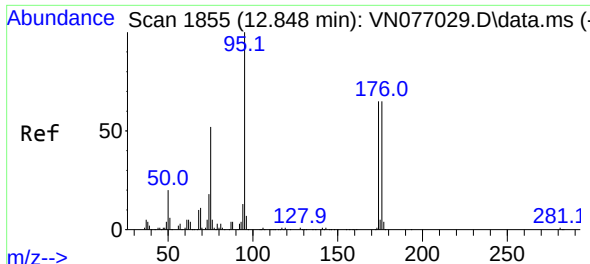
Tgt Ion: 76 Resp: 12925
Ion Ratio Lower Upper
76 100
78 0.6 25.3 37.9#



#59
2-Hexanone
Concen: 49.106 ug/l
RT: 11.172 min Scan# 1570
Delta R.T. -0.024 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

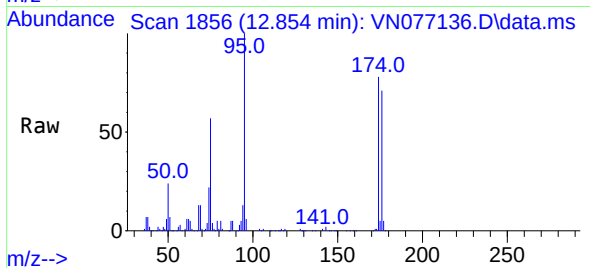
Tgt Ion: 43 Resp: 285995
Ion Ratio Lower Upper
43 100
58 0.0 27.7 83.1#



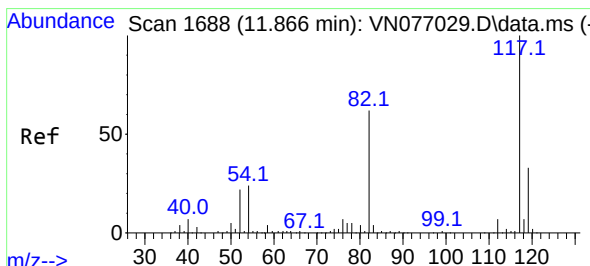
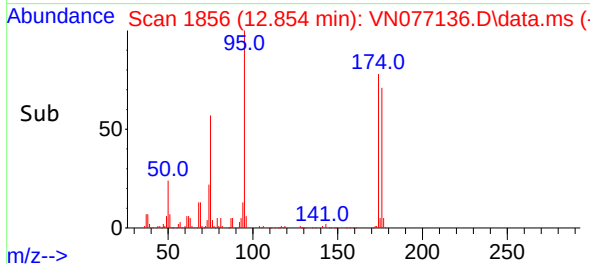
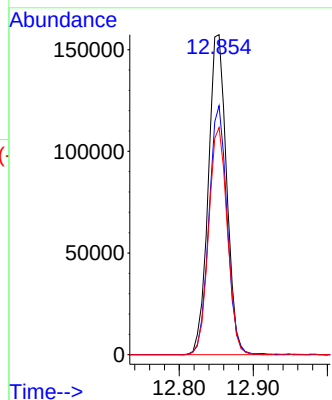


#62
4-Bromofluorobenzene
Concen: 43.361 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

Instrument :
MSVOA_N
ClientSampleId :

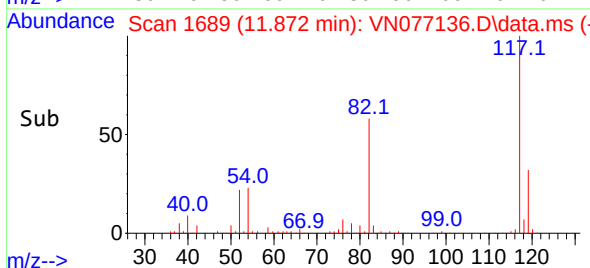
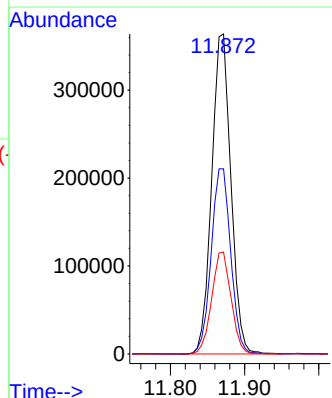
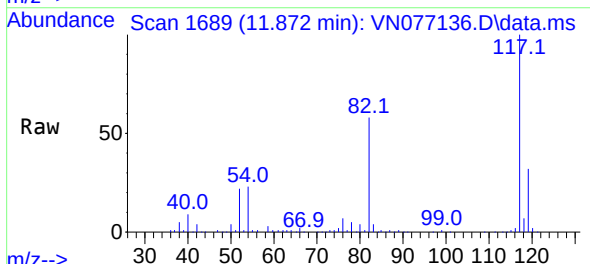


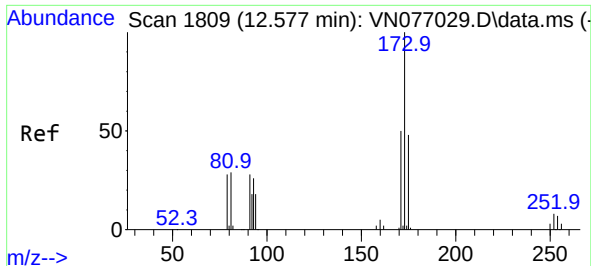
Tgt Ion: 95 Resp: 270343
Ion Ratio Lower Upper
95 100
174 76.9 0.0 136.6
176 72.3 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

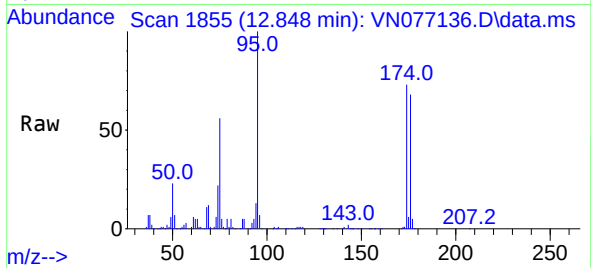
Tgt Ion: 117 Resp: 654180
Ion Ratio Lower Upper
117 100
82 57.9 49.4 74.0
119 31.9 26.5 39.7



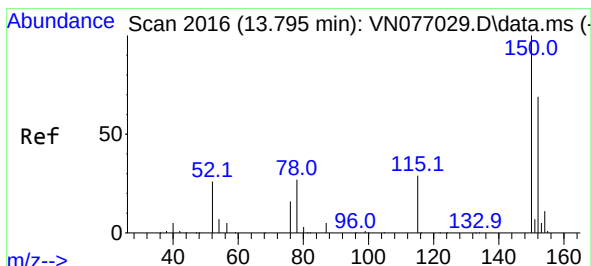
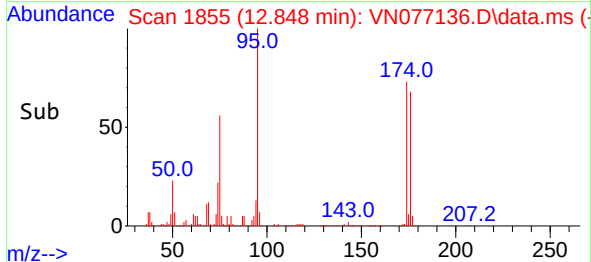
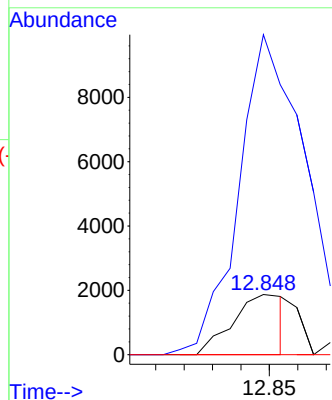


#71
Bromoform
Concen: 0.626 ug/l
RT: 12.848 min Scan# 1809
Delta R.T. 0.271 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

Instrument :
MSVOA_N
ClientSampleId :

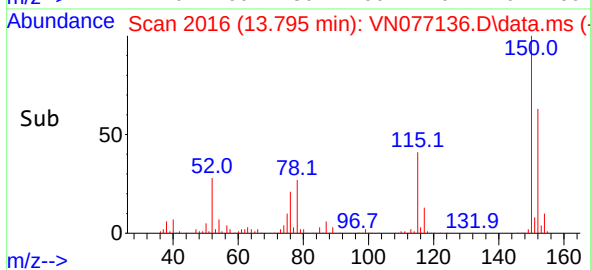
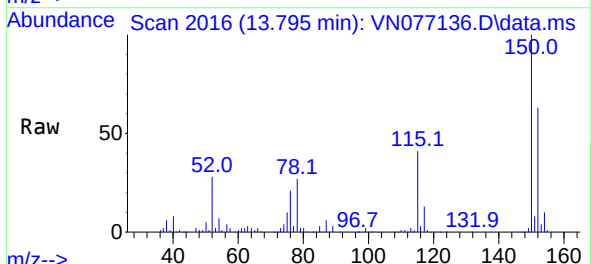
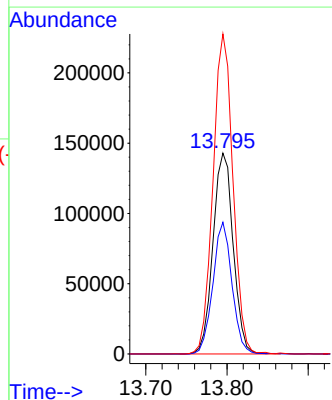


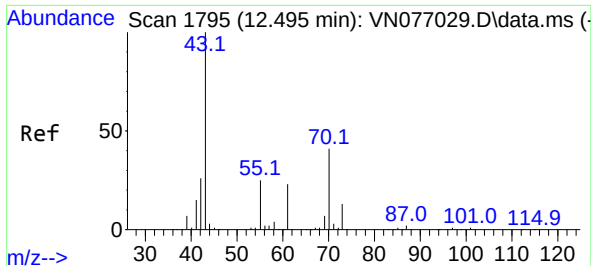
Tgt Ion:173 Resp: 2364
Ion Ratio Lower Upper
173 100
175 459.8 24.5 73.5#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

Tgt Ion:152 Resp: 247525
Ion Ratio Lower Upper
152 100
115 61.9 31.9 95.7
150 156.8 0.0 348.0

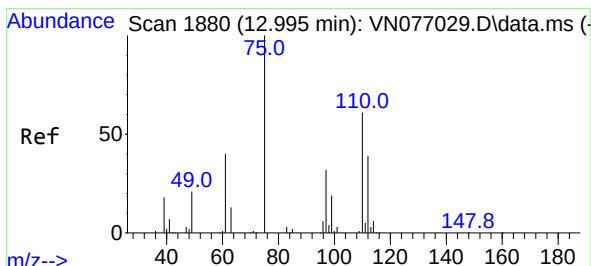
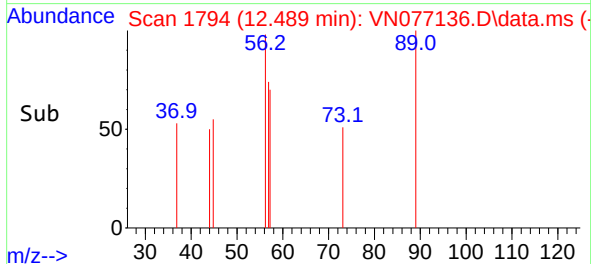
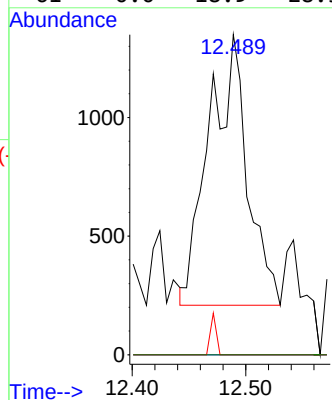
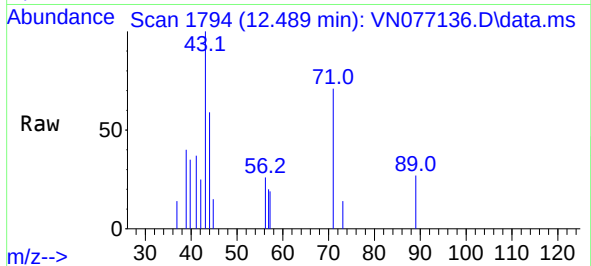




#74
N-amy1 acetate
Concen: 0.277 ug/l
RT: 12.489 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

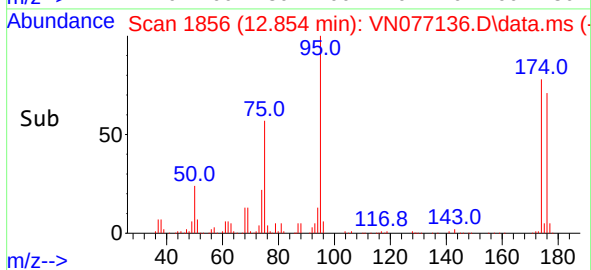
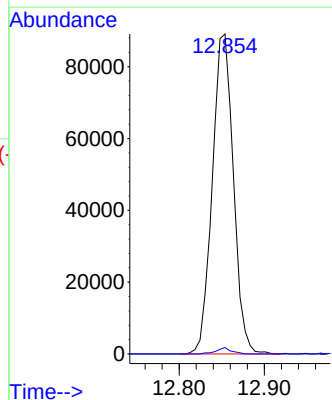
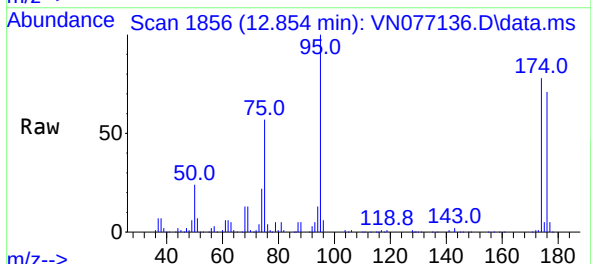
Instrument :
MSVOA_N
ClientSampleId :

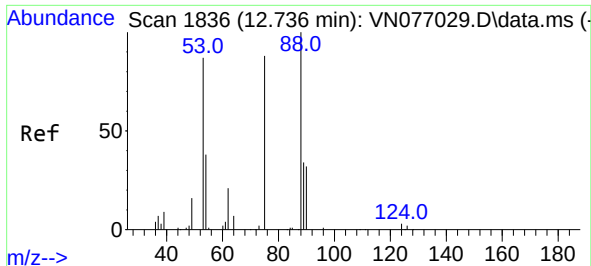
Tgt Ion: 43 Resp: 2663
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 0.0 20.3 30.5#
61 0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 23.909 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

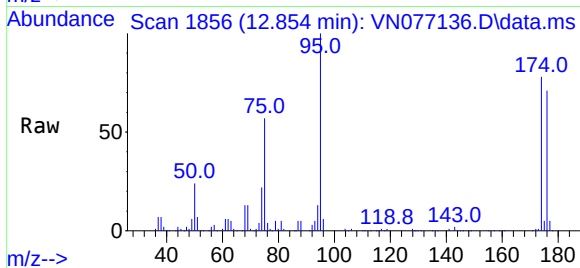
Tgt Ion: 75 Resp: 153081
Ion Ratio Lower Upper
75 100
77 1.4 107.3 322.0#



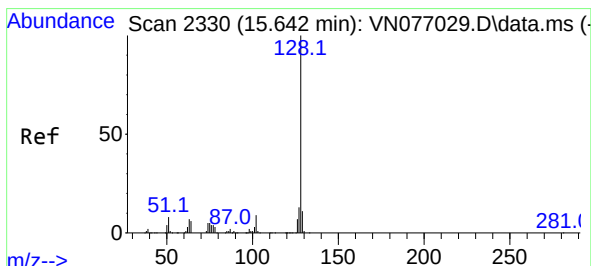
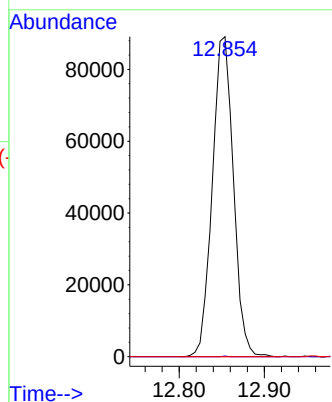
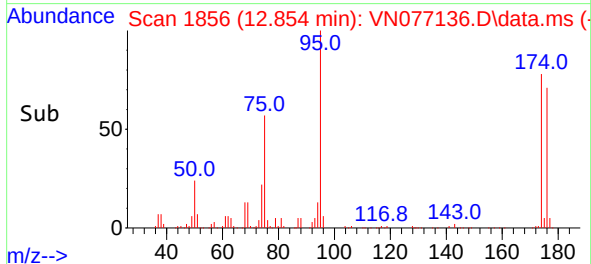


#81
trans-1,4-Dichloro-2-butene
Concen: 65.812 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37

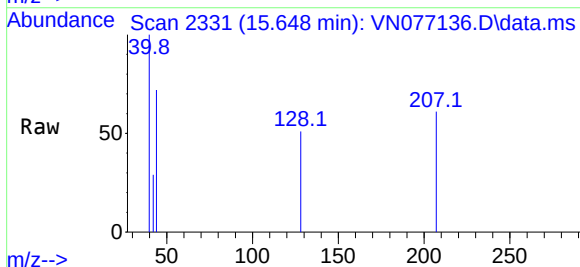
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 153081
Ion Ratio Lower Upper
75 100
53 0.0 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 1.932 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN077136.D
Acq: 23 Mar 2023 08:37



Tgt Ion: 128 Resp: 341
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.6 13.0#

