

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077133.D
 Acq On : 23 Mar 2023 07:24
 Operator : JC\MD
 Sample : PB151586ZHE009
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 09:30:30 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

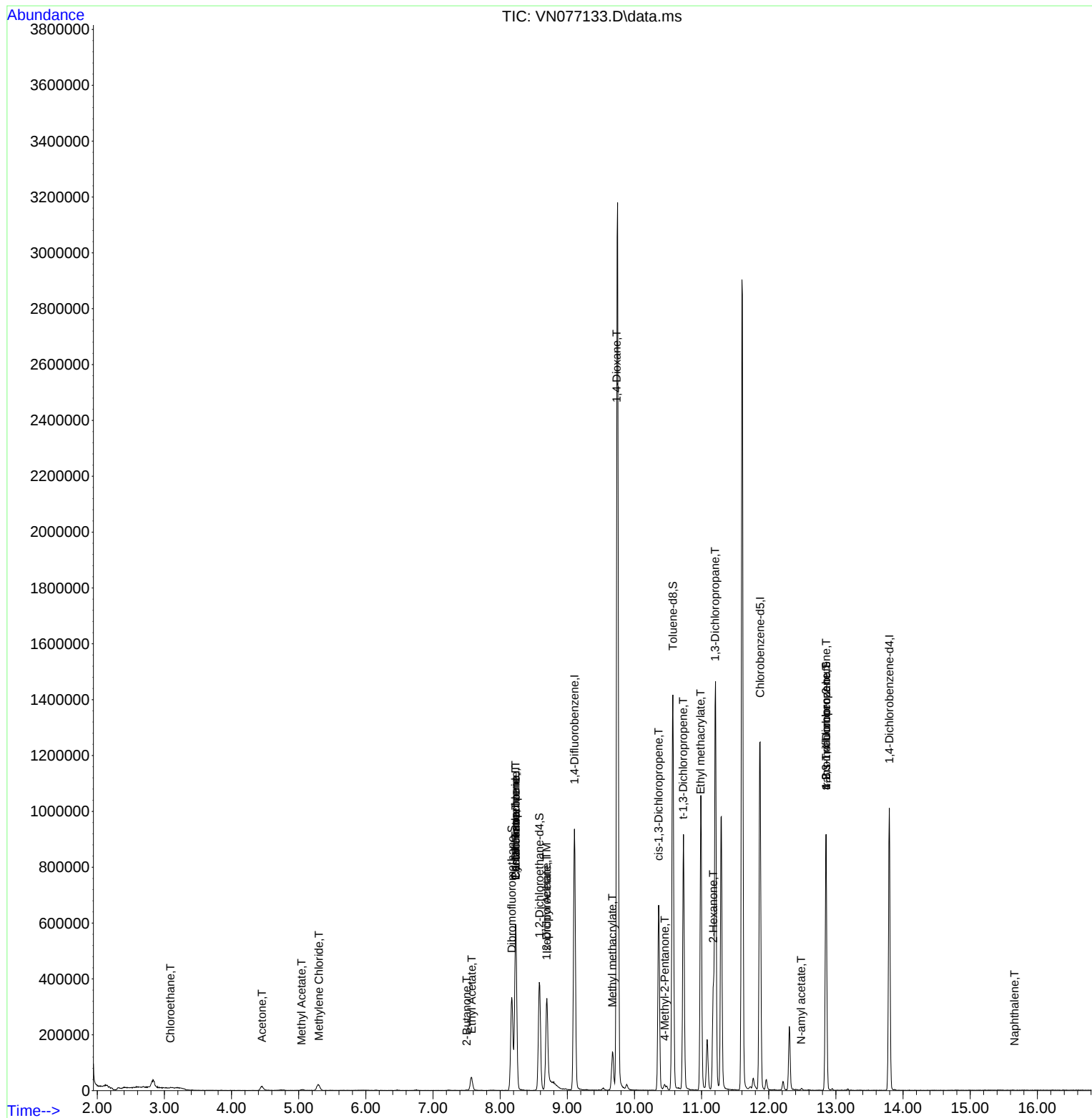
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	411270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	759988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	691799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	255456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	319634	48.656	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.320%
35) Dibromofluoromethane	8.172	113	242810	45.621	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.240%
50) Toluene-d8	10.571	98	947611	49.843	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.680%
62) 4-Bromofluorobenzene	12.854	95	287378	42.776	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.560%
Target Compounds						
					Qvalue	
6) Chloroethane	3.090	64	1388	0.490	ug/l #	62
16) Acetone	4.454	43	30220	10.324	ug/l	91
18) Methyl Acetate	5.042	43	3820	0.346	ug/l	93
20) Methylene Chloride	5.301	84	15680	2.468	ug/l	94
25) 2-Butanone	7.501	43	2471	0.577	ug/l #	69
31) Cyclohexane	8.230	56	11392	1.060	ug/l #	7
36) 1,1-Dichloropropene	8.230	75	38530	4.635	ug/l #	51
37) Ethyl Acetate	7.578	43	74886	8.420	ug/l	97
38) Carbon Tetrachloride	8.230	117	45061	5.565	ug/l #	16
42) 1,2-Dichloroethane	8.689	62	1975	0.217	ug/l #	76
43) Isopropyl Acetate	8.695	43	405865	29.211	ug/l #	83
48) Methyl methacrylate	9.672	41	9762	1.470	ug/l #	44
49) 1,4-Dioxane	9.736	88	174	1.534	ug/l #	21
51) 4-Methyl-2-Pentanone	10.454	43	13829	1.598	ug/l	89
53) t-1,3-Dichloropropene	10.724	75	2373	0.273	ug/l #	86
54) cis-1,3-Dichloropropene	10.360	75	110298	11.261	ug/l #	74
56) Ethyl methacrylate	10.983	69	4088	0.458	ug/l #	1
57) 1,3-Dichloropropane	11.201	76	14392	1.324	ug/l #	45
59) 2-Hexanone	11.171	43	295667	47.113	ug/l #	24
74) N-amyl acetate	12.483	43	3495	0.353	ug/l #	48
76) 1,2,3-Trichloropropane	12.854	75	162688	24.621	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	162688	67.771	ug/l #	10
95) Naphthalene	15.659	128	670	1.950	ug/l #	70

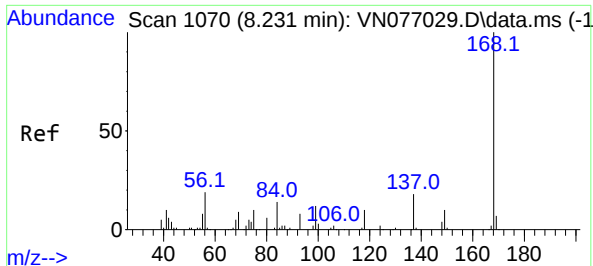
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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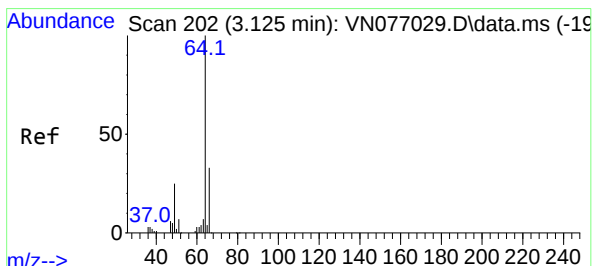
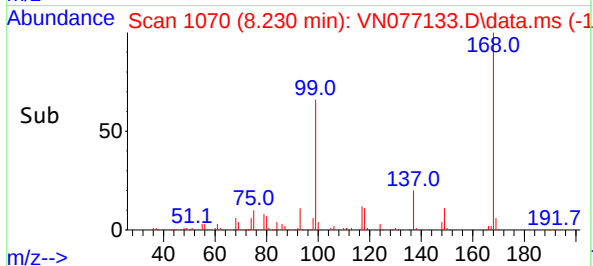
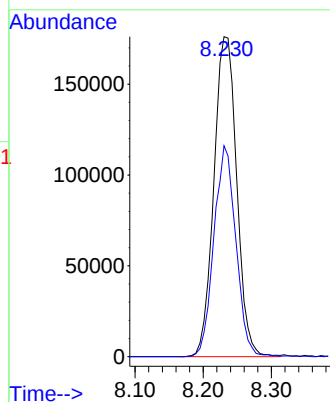
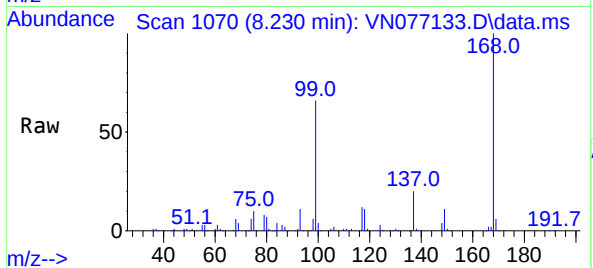




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

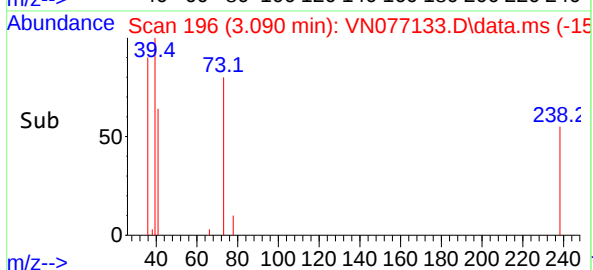
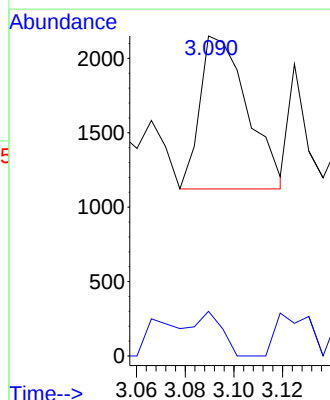
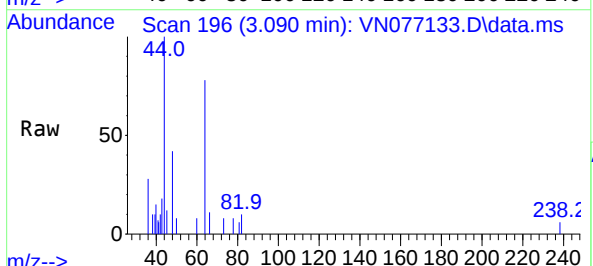
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MSVOA_N
ClientSampleId :

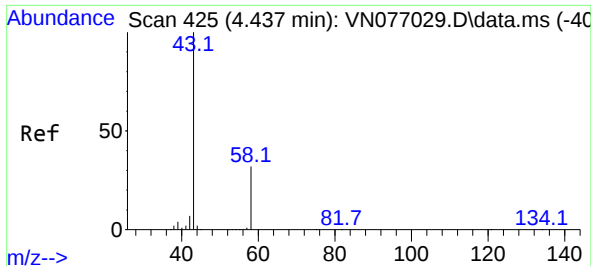
Tgt Ion:168 Resp: 411270
Ion Ratio Lower Upper
168 100
99 65.8 53.9 80.9



#6
Chloroethane
Concen: 0.490 ug/l
RT: 3.090 min Scan# 196
Delta R.T. -0.035 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

Tgt Ion: 64 Resp: 1388
Ion Ratio Lower Upper
64 100
66 11.4 26.3 39.5#

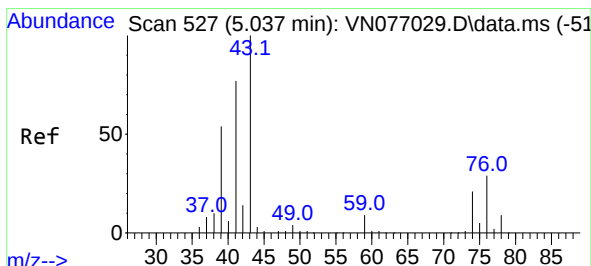
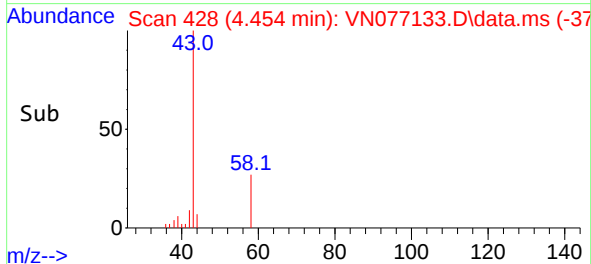
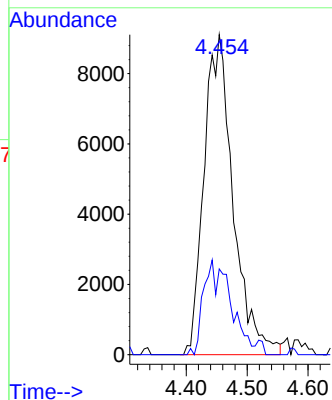
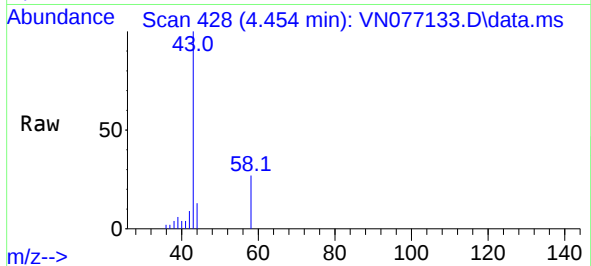




#16
Acetone
Concen: 10.324 ug/l
RT: 4.454 min Scan# 43
Delta R.T. 0.017 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

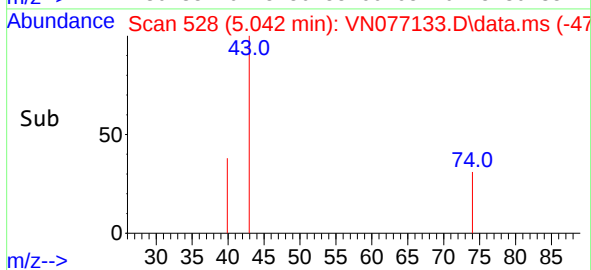
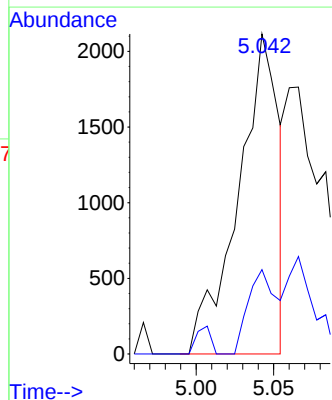
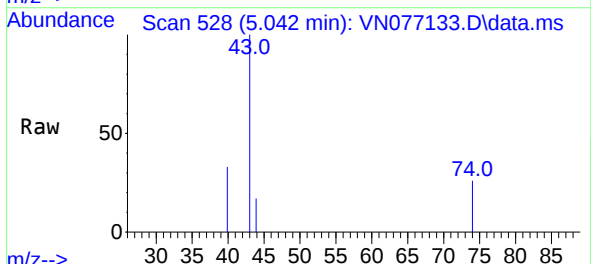
Instrument :
MSVOA_N
ClientSampleId :

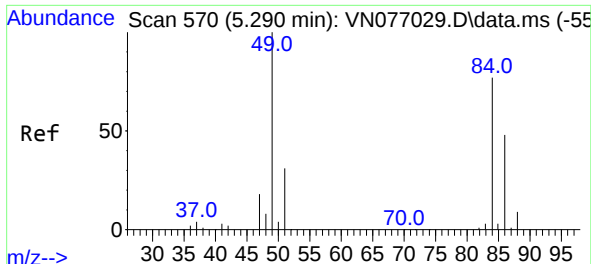
Tgt Ion: 43 Resp: 30220
Ion Ratio Lower Upper
43 100
58 26.8 25.4 38.0



#18
Methyl Acetate
Concen: 0.346 ug/l
RT: 5.042 min Scan# 528
Delta R.T. 0.005 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

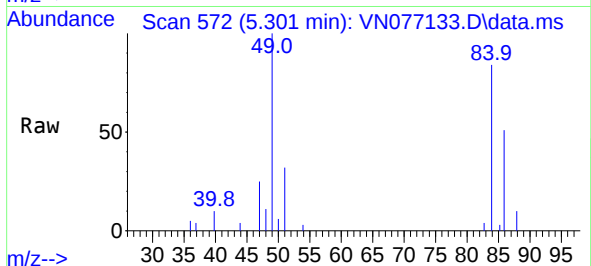
Tgt Ion: 43 Resp: 3820
Ion Ratio Lower Upper
43 100
74 18.6 17.7 26.5





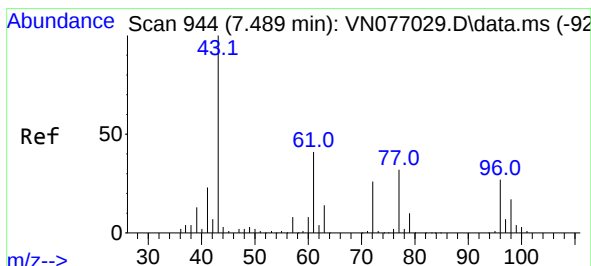
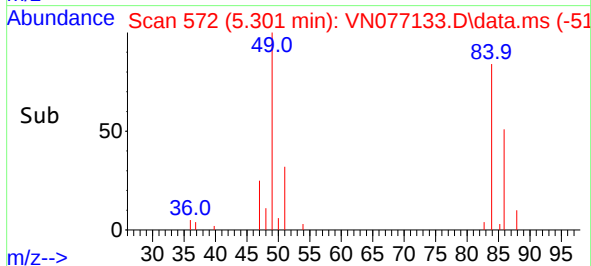
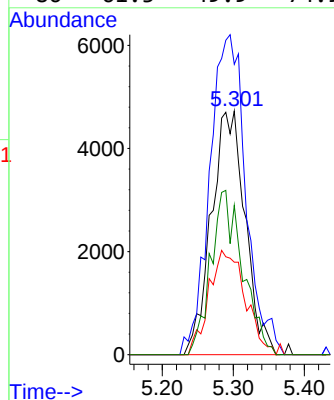
#20
Methylene Chloride
Concen: 2.468 ug/l
RT: 5.301 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 15680

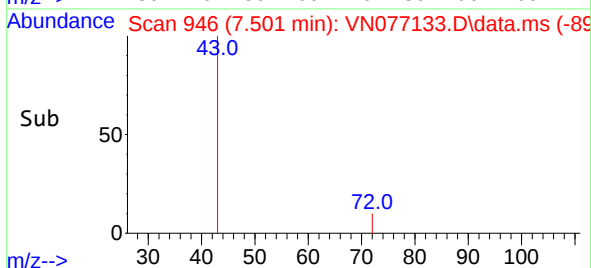
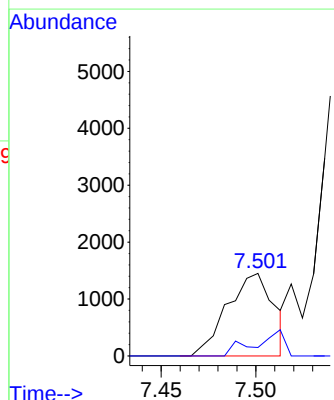
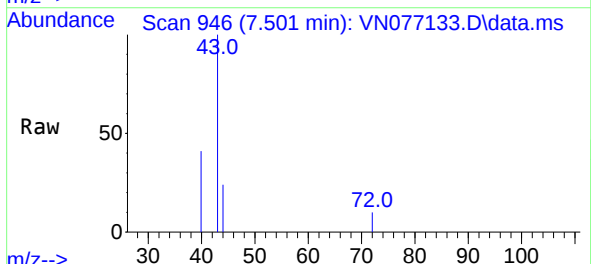
Ion	Ratio	Lower	Upper
84	100		
49	119.2	103.8	155.6
51	38.0	32.3	48.5
86	61.3	49.9	74.9

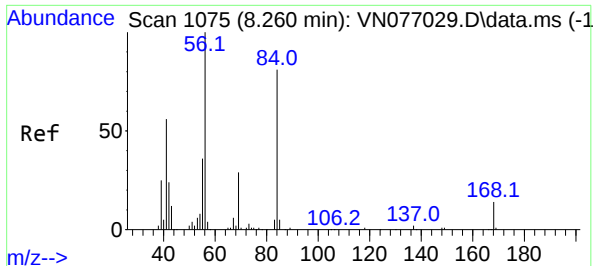


#25
2-Butanone
Concen: 0.577 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

Tgt Ion: 43 Resp: 2471

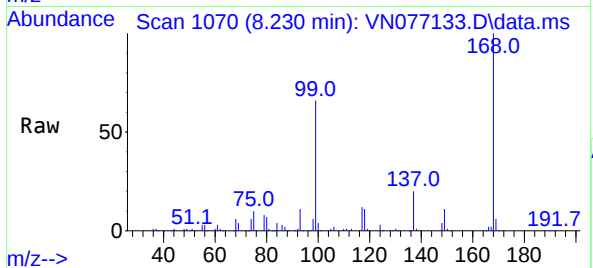
Ion	Ratio	Lower	Upper
43	100		
72	10.3	20.7	31.1#



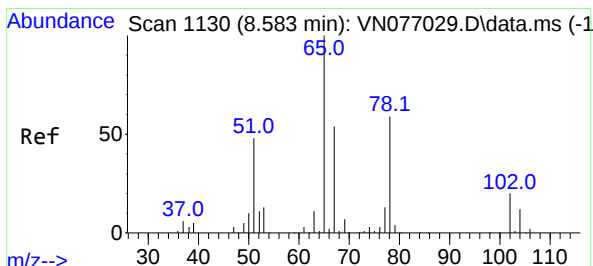
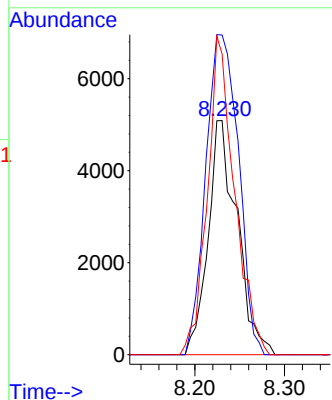
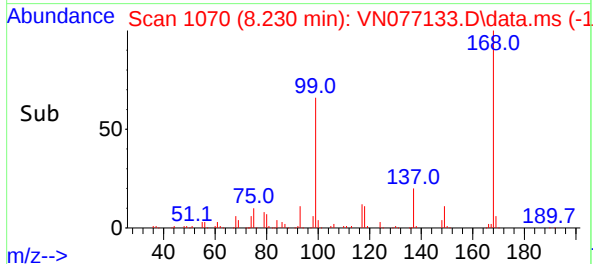


#31
Cyclohexane
Concen: 1.060 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.030 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

Instrument :
MSVOA_N
ClientSampleId :

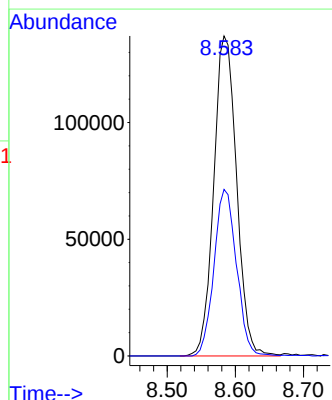
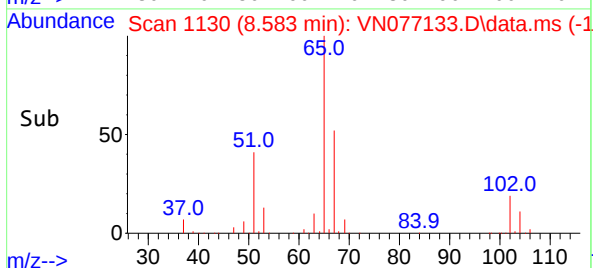
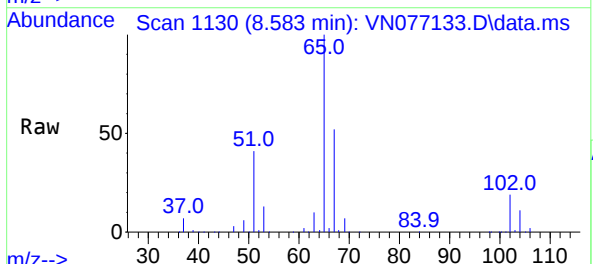


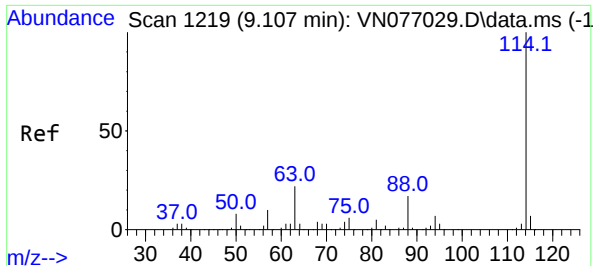
Tgt Ion: 56 Resp: 11392
Ion Ratio Lower Upper
56 100
69 136.5 22.8 34.2#
84 128.4 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 48.656 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

Tgt Ion: 65 Resp: 319634
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.2

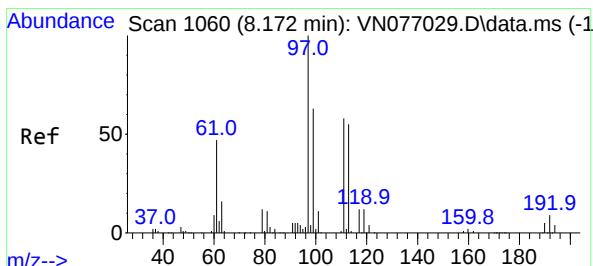
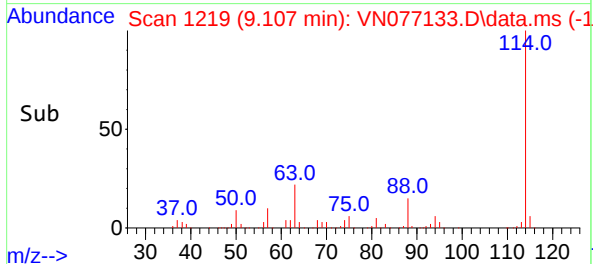
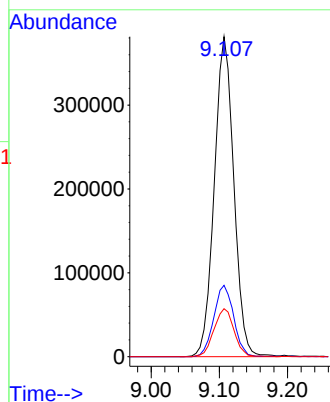
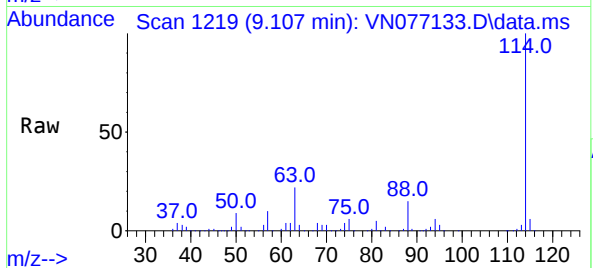




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

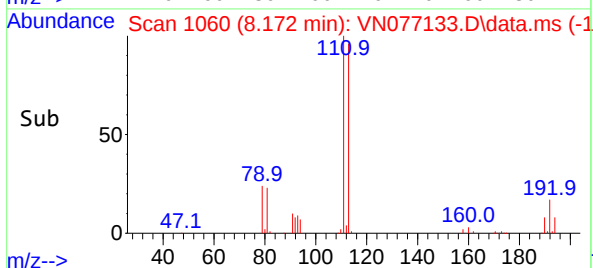
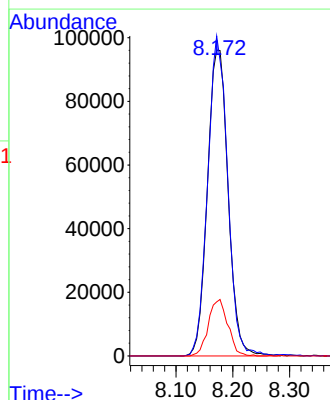
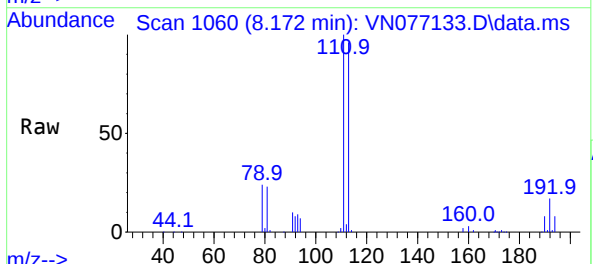
Instrument :
MSVOA_N
ClientSampleId :

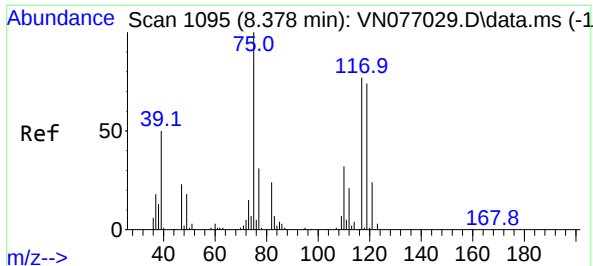
Tgt Ion:114 Resp: 759988
Ion Ratio Lower Upper
114 100
63 22.3 0.0 44.6
88 15.0 0.0 33.8



#35
Dibromofluoromethane
Concen: 45.621 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

Tgt Ion:113 Resp: 242810
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.2
192 17.4 13.0 19.6

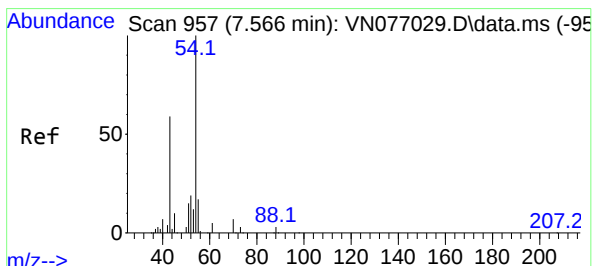
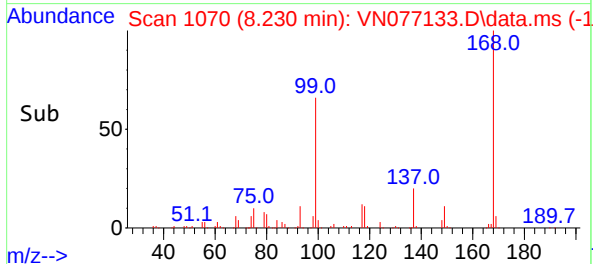
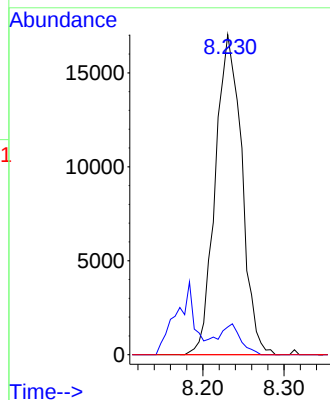
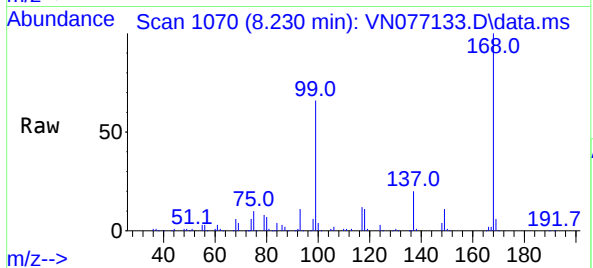




#36
1,1-Dichloropropene
Concen: 4.635 ug/l
RT: 8.230 min Scan# 1095
Delta R.T. -0.147 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

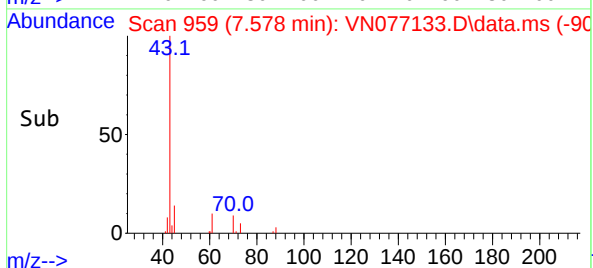
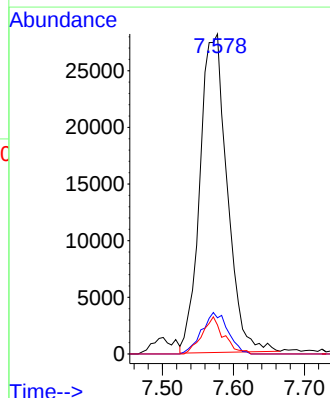
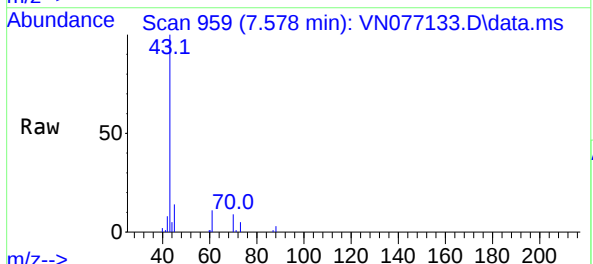
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MSVOA_N
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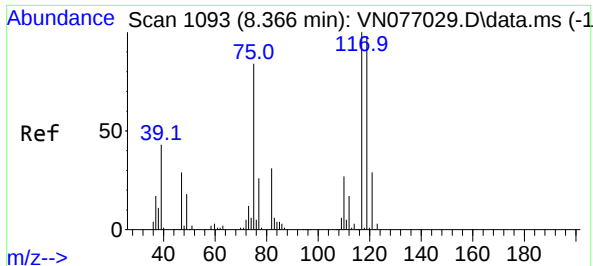
Tgt Ion: 75 Resp: 38530
Ion Ratio Lower Upper
75 100
110 8.1 15.9 47.7#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 8.420 ug/l
RT: 7.578 min Scan# 959
Delta R.T. 0.012 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

Tgt Ion: 43 Resp: 74886
Ion Ratio Lower Upper
43 100
61 12.6 11.0 16.6
70 9.3 8.4 12.6

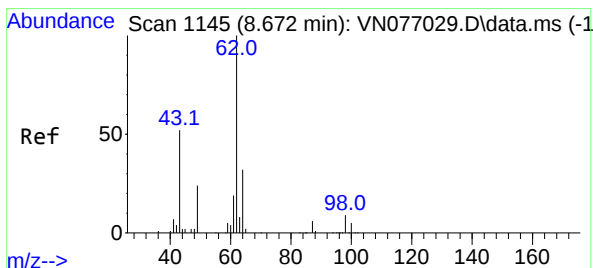
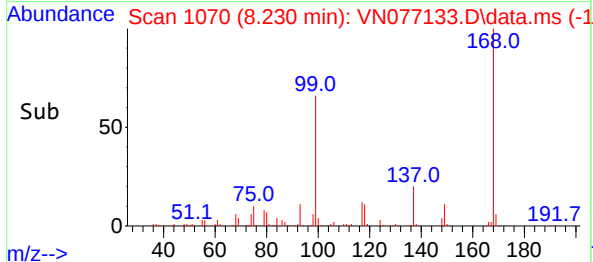
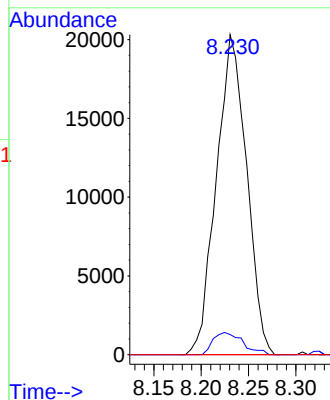
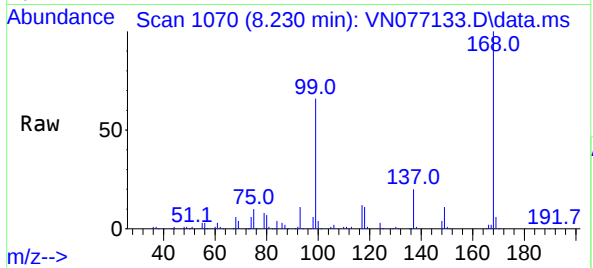




#38
Carbon Tetrachloride
Concen: 5.565 ug/l
RT: 8.230 min Scan# 1093
Delta R.T. -0.135 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

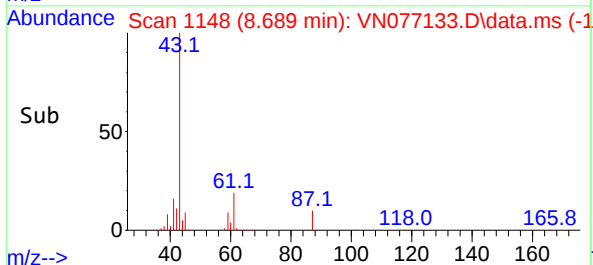
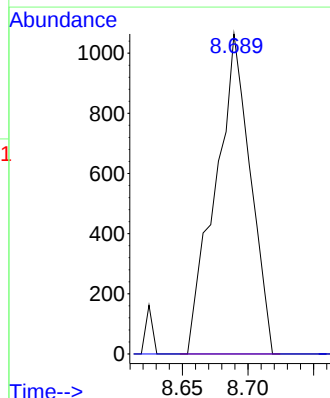
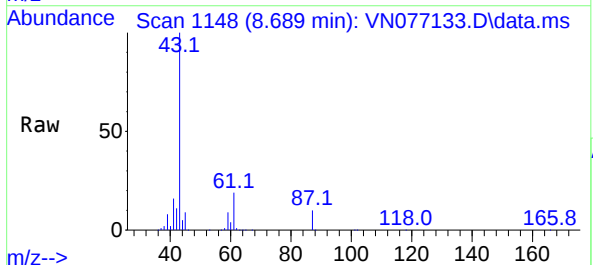
Instrument :
MSVOA_N
ClientSampleId :

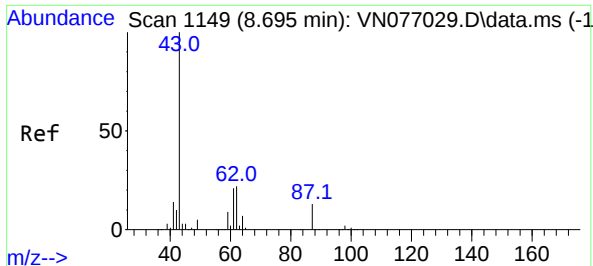
Tgt Ion:117 Resp: 45061
Ion Ratio Lower Upper
117 100
119 6.3 78.2 117.2#
121 0.0 23.2 34.8#



#42
1,2-Dichloroethane
Concen: 0.217 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.018 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

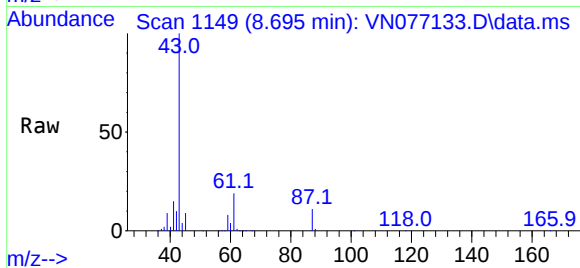
Tgt Ion: 62 Resp: 1975
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.4



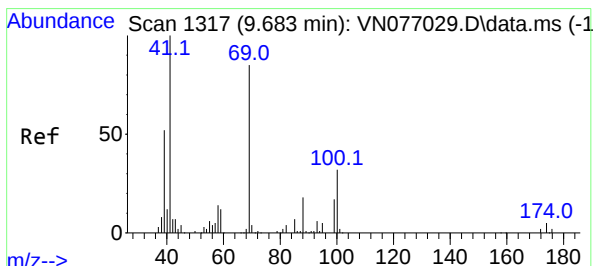
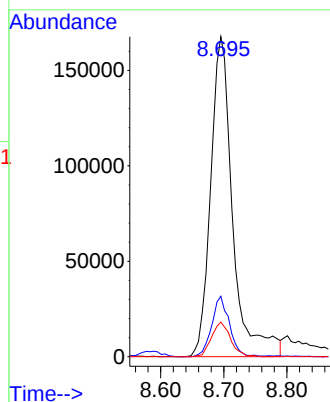
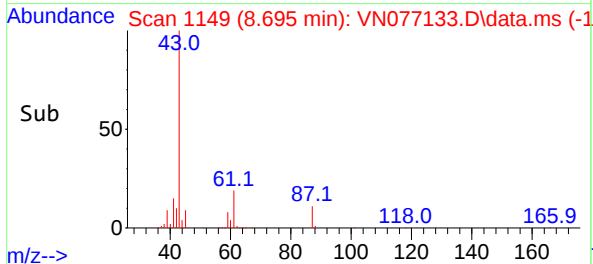


#43
Isopropyl Acetate
Concen: 29.211 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

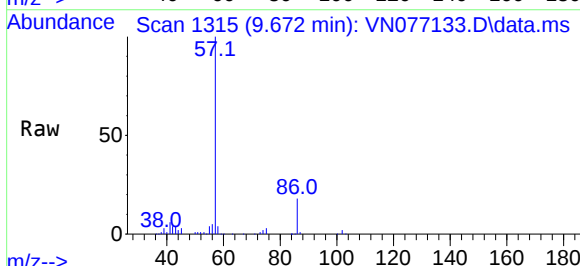
Instrument :
MSVOA_N
ClientSampleId :



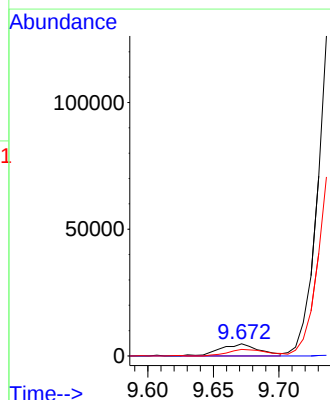
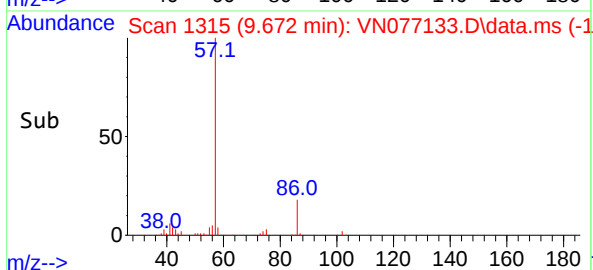
Tgt Ion: 43 Resp: 405865
Ion Ratio Lower Upper
43 100
61 15.2 20.6 30.8#
87 9.3 10.0 15.0#

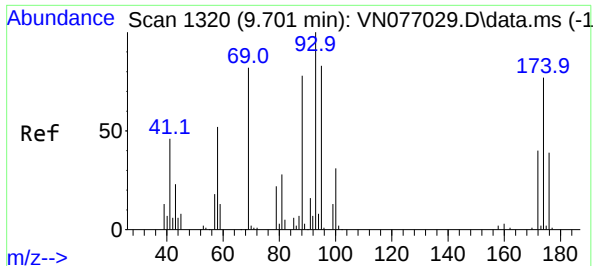


#48
Methyl methacrylate
Concen: 1.470 ug/l
RT: 9.672 min Scan# 1315
Delta R.T. -0.012 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24



Tgt Ion: 41 Resp: 9762
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 57.0 43.2 64.8

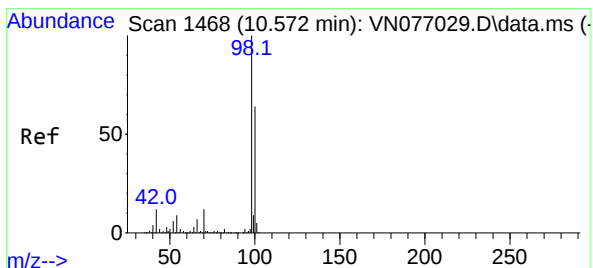
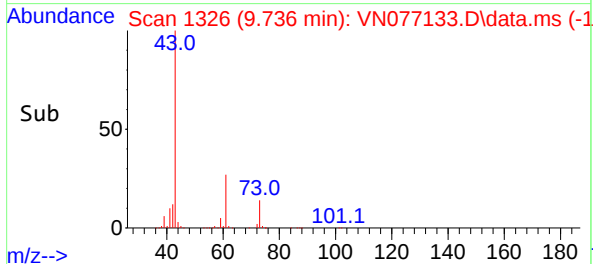
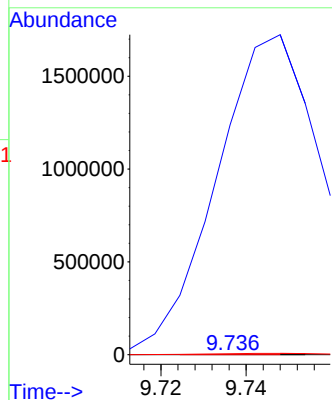
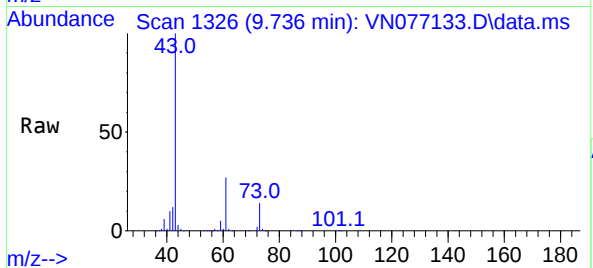




#49
1,4-Dioxane
Concen: 1.534 ug/l
RT: 9.736 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

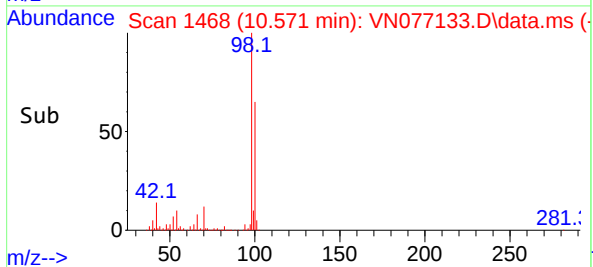
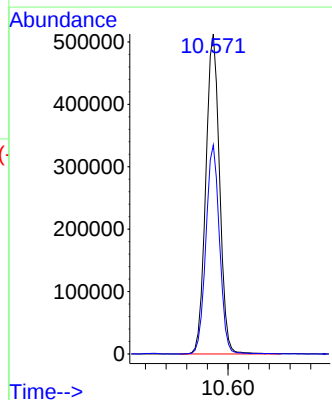
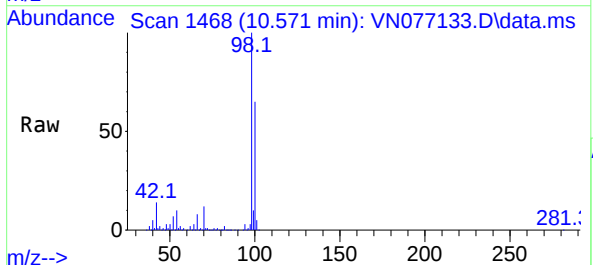
Instrument :
MSVOA_N
ClientSampleId :

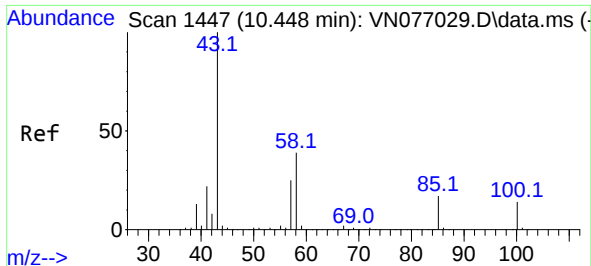
Tgt Ion: 88 Resp: 174
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 0.0 60.8 91.2#



#50
Toluene-d8
Concen: 49.843 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

Tgt Ion: 98 Resp: 947611
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.598 ug/l

RT: 10.454 min Scan# 1447

Delta R.T. 0.006 min

Lab File: VN077133.D

Acq: 23 Mar 2023 07:24

Instrument :

MSVOA_N

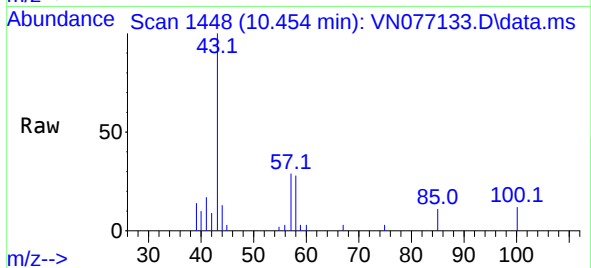
ClientSampleId :

Tgt Ion: 43 Resp: 13829

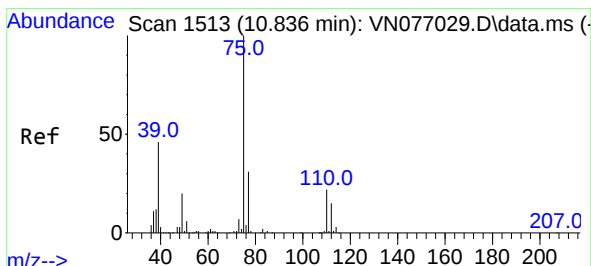
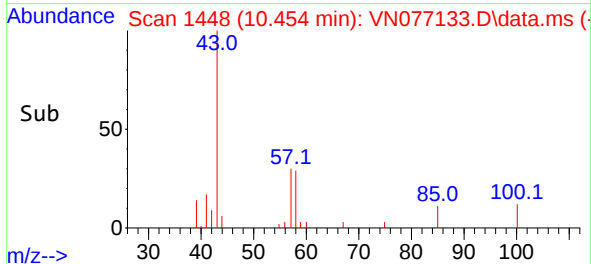
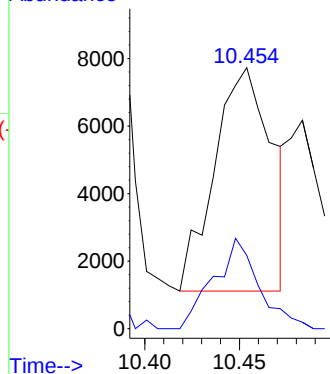
Ion Ratio Lower Upper

43 100

58 32.2 31.1 46.7



Abundance



#53

t-1,3-Dichloropropene

Concen: 0.273 ug/l

RT: 10.724 min Scan# 1494

Delta R.T. -0.112 min

Lab File: VN077133.D

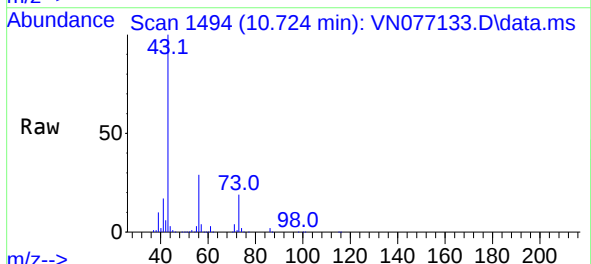
Acq: 23 Mar 2023 07:24

Tgt Ion: 75 Resp: 2373

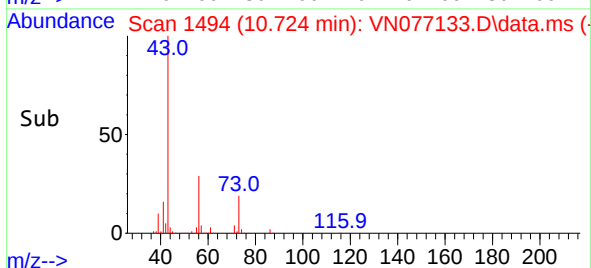
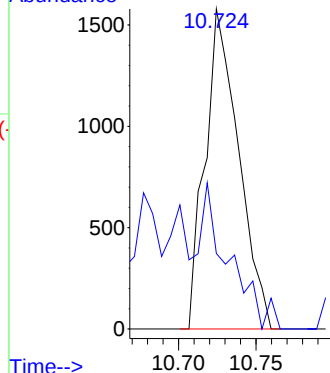
Ion Ratio Lower Upper

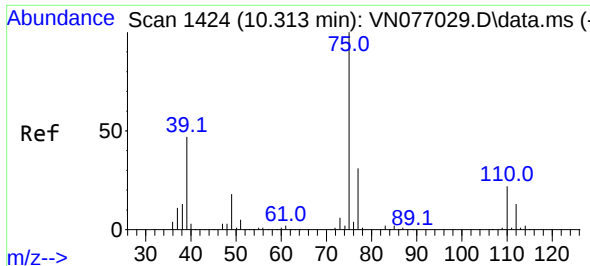
75 100

77 23.6 25.1 37.7#



Abundance

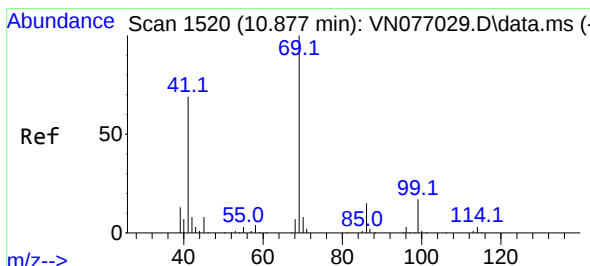
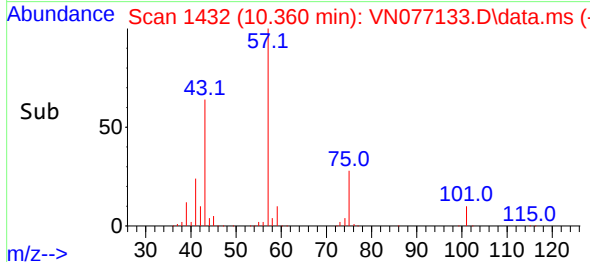
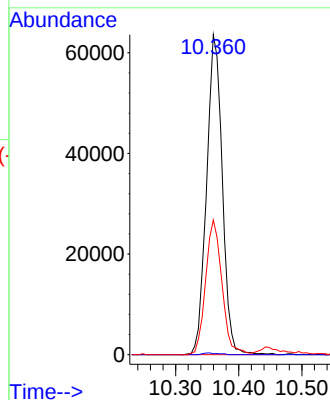
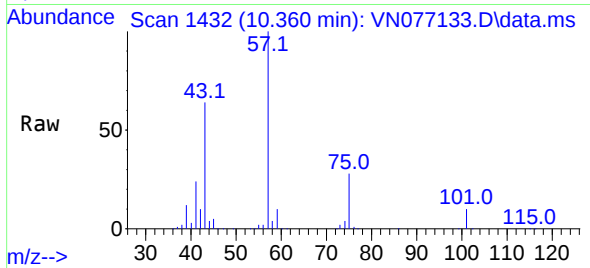




#54
cis-1,3-Dichloropropene
Concen: 11.261 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

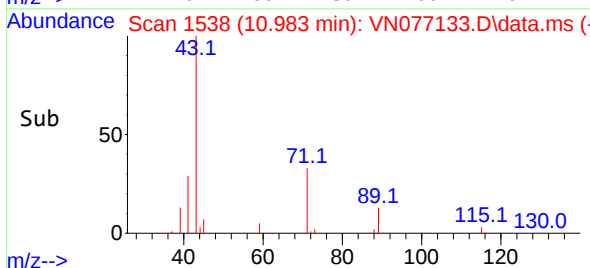
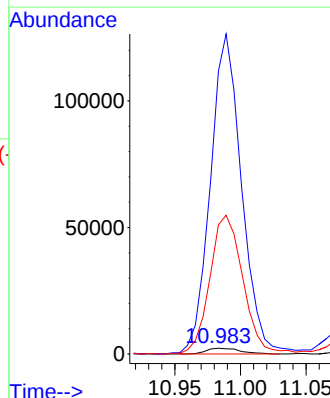
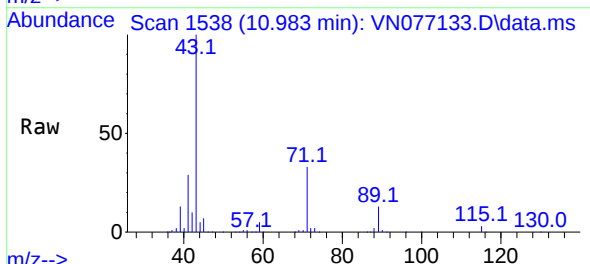
Instrument :
MSVOA_N
ClientSampleId :

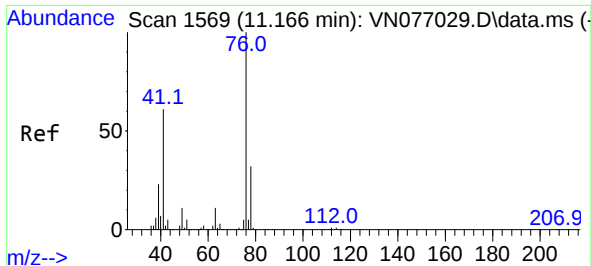
Tgt Ion: 75 Resp: 110298
Ion Ratio Lower Upper
75 100
77 0.3 24.5 36.7#
39 42.1 37.8 56.6



#56
Ethyl methacrylate
Concen: 0.458 ug/l
RT: 10.983 min Scan# 1538
Delta R.T. 0.106 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

Tgt Ion: 69 Resp: 4088
Ion Ratio Lower Upper
69 100
41 5135.3 54.9 82.3#
39 2353.4 26.6 40.0#





#57

1,3-Dichloropropane

Concen: 1.324 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.035 min

Lab File: VN077133.D

Acq: 23 Mar 2023 07:24

Instrument :

MSVOA_N

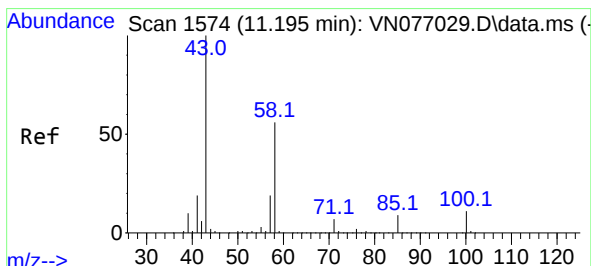
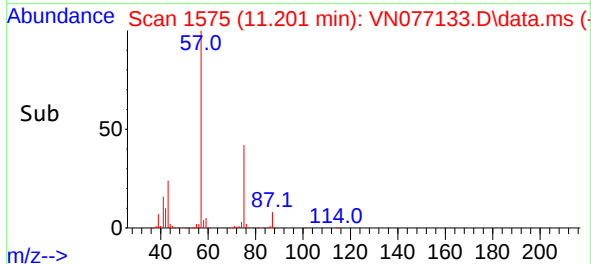
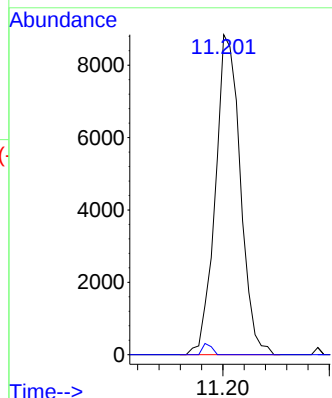
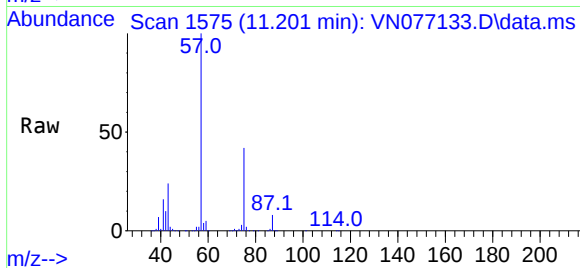
ClientSampleId :

Tgt Ion: 76 Resp: 14392

Ion Ratio Lower Upper

76 100

78 1.3 25.3 37.9#



#59

2-Hexanone

Concen: 47.113 ug/l

RT: 11.171 min Scan# 1570

Delta R.T. -0.024 min

Lab File: VN077133.D

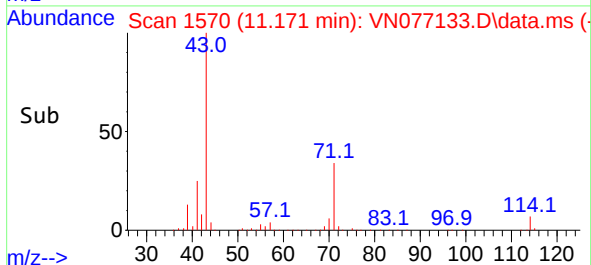
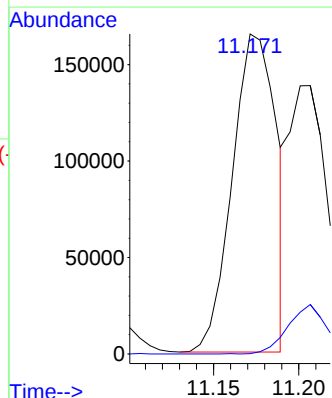
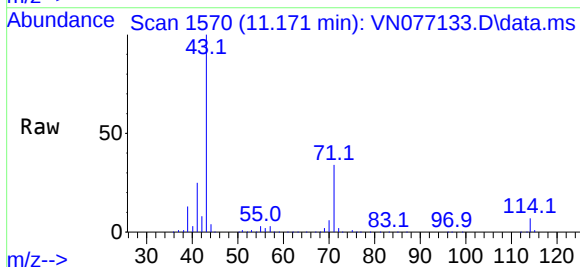
Acq: 23 Mar 2023 07:24

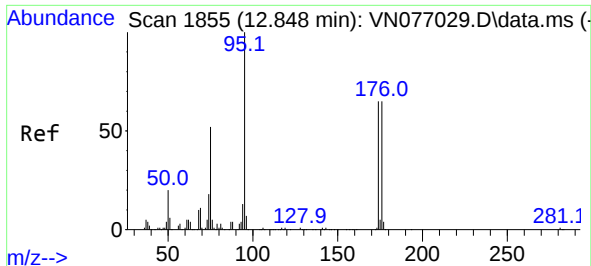
Tgt Ion: 43 Resp: 295667

Ion Ratio Lower Upper

43 100

58 0.0 27.7 83.1#

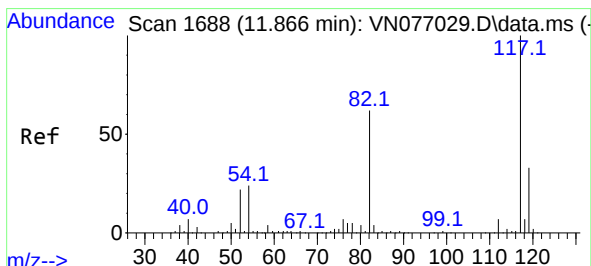
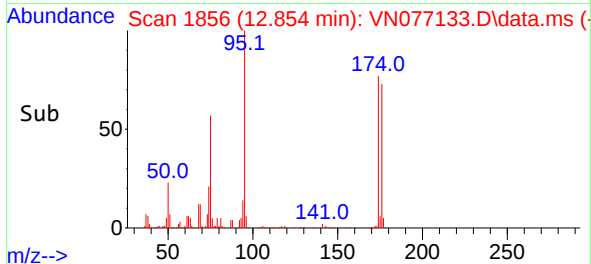
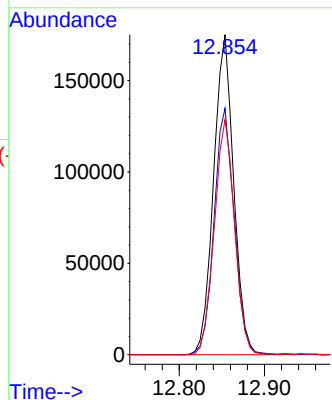
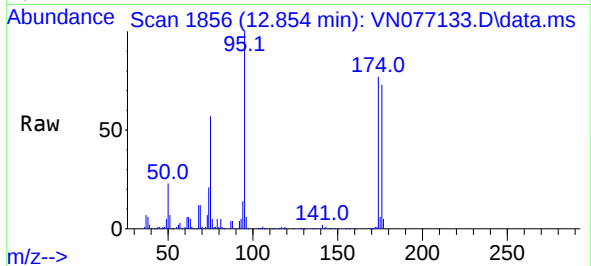




#62
4-Bromofluorobenzene
Concen: 42.776 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

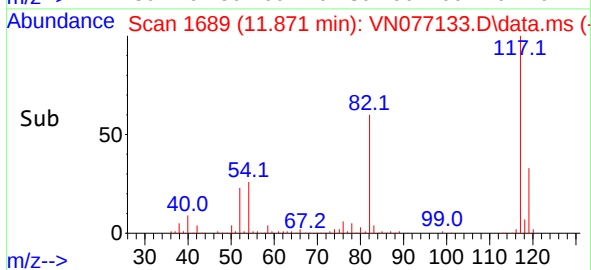
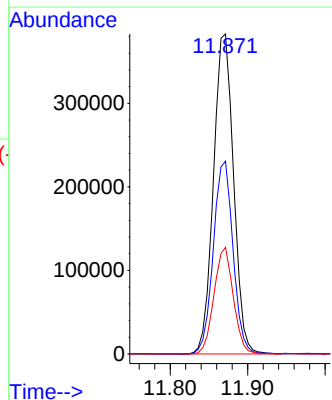
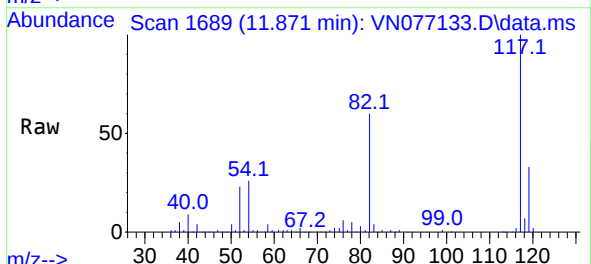
Instrument :
MSVOA_N
ClientSampleId :

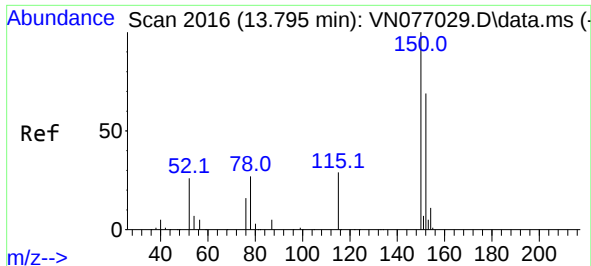
Tgt Ion: 95 Resp: 287378
Ion Ratio Lower Upper
95 100
174 77.3 0.0 136.6
176 74.0 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

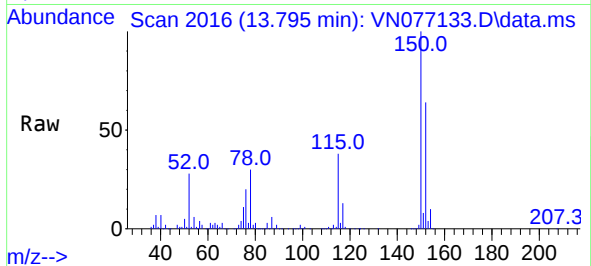
Tgt Ion: 117 Resp: 691799
Ion Ratio Lower Upper
117 100
82 60.2 49.4 74.0
119 33.4 26.5 39.7



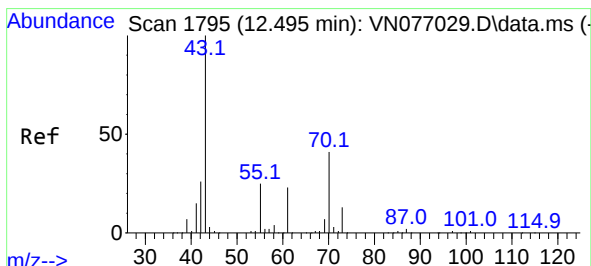
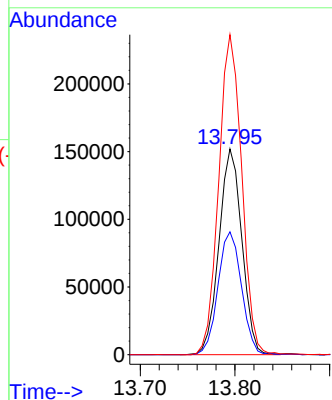
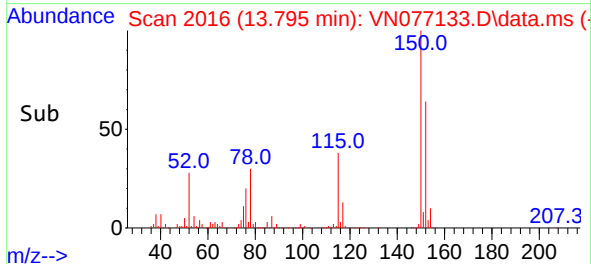


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

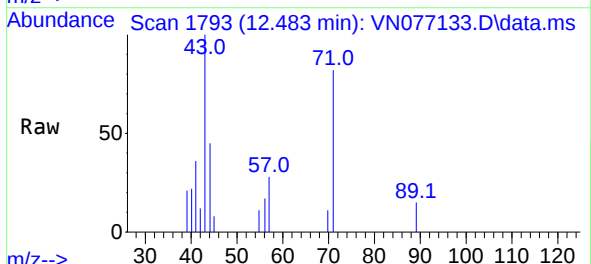
Instrument :
MSVOA_N
ClientSampleId :



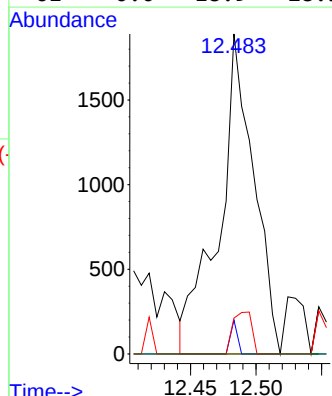
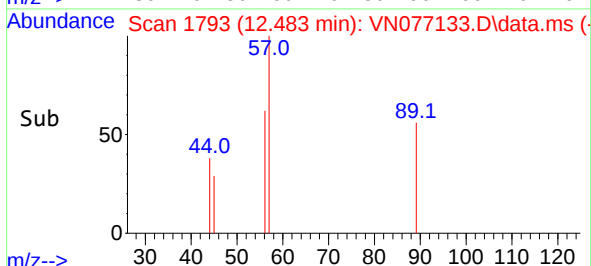
Tgt Ion:152 Resp: 255456
Ion Ratio Lower Upper
152 100
115 61.5 31.9 95.7
150 156.5 0.0 348.0

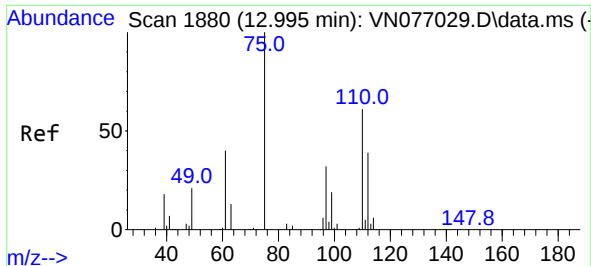


#74
N-ethyl acetate
Concen: 0.353 ug/l
RT: 12.483 min Scan# 1793
Delta R.T. -0.012 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24



Tgt Ion: 43 Resp: 3495
Ion Ratio Lower Upper
43 100
70 2.0 33.6 50.4#
55 7.1 20.3 30.5#
61 0.0 18.9 28.3#

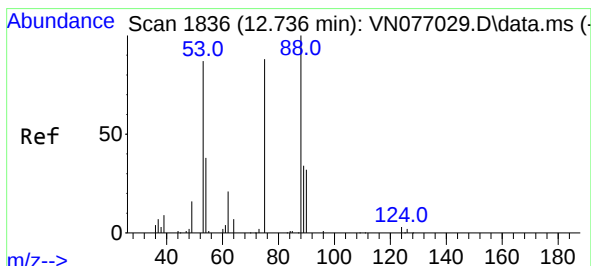
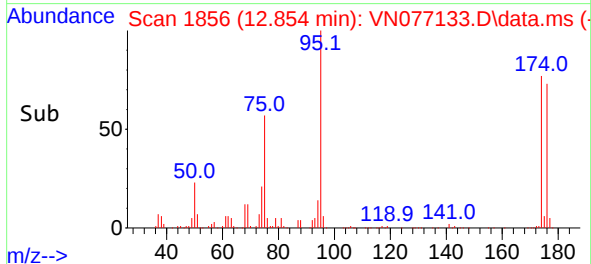
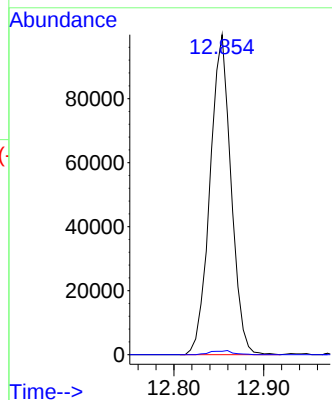
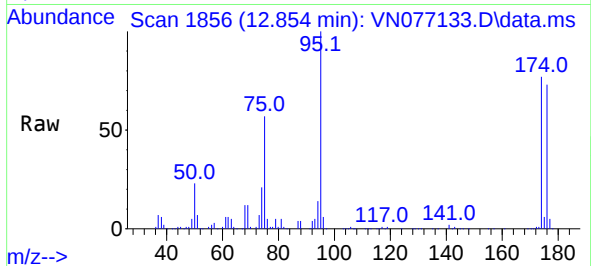




#76
1,2,3-Trichloropropane
Concen: 24.621 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

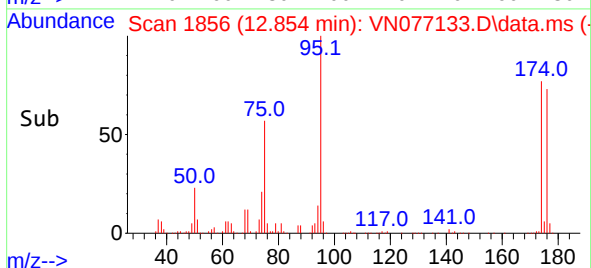
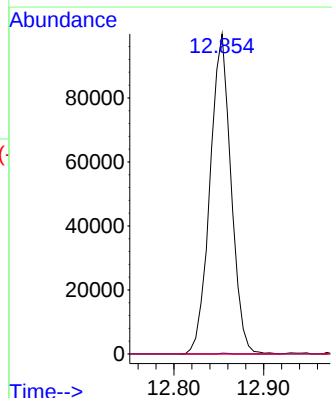
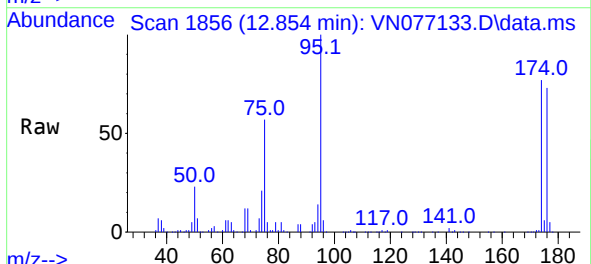
Instrument :
MSVOA_N
ClientSampleId :

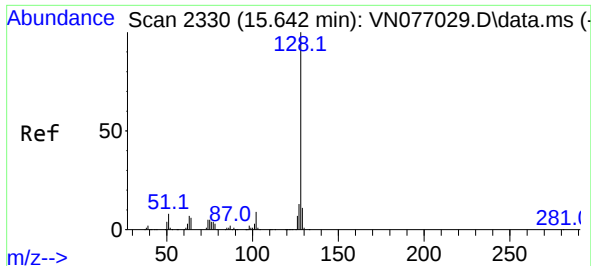
Tgt Ion: 75 Resp: 162688
Ion Ratio Lower Upper
75 100
77 1.3 107.3 322.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.771 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077133.D
Acq: 23 Mar 2023 07:24

Tgt Ion: 75 Resp: 162688
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 34.2 51.4#





#95

Naphthalene

Concen: 1.950 ug/l

RT: 15.659 min Scan# 21

Delta R.T. 0.017 min

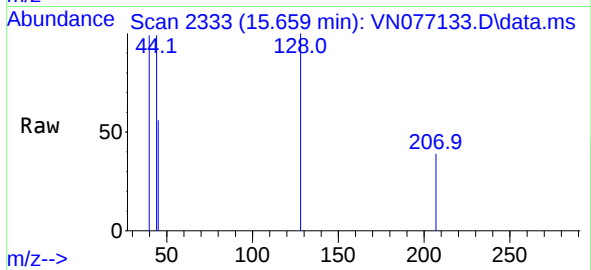
Lab File: VN077133.D

Acq: 23 Mar 2023 07:24

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 670

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.6	13.0#

