

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077327.D
 Acq On : 13 Apr 2023 14:36
 Operator : JC\MD
 Sample : 02292-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-SO-G3-041123

Quant Time: Apr 14 07:24:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

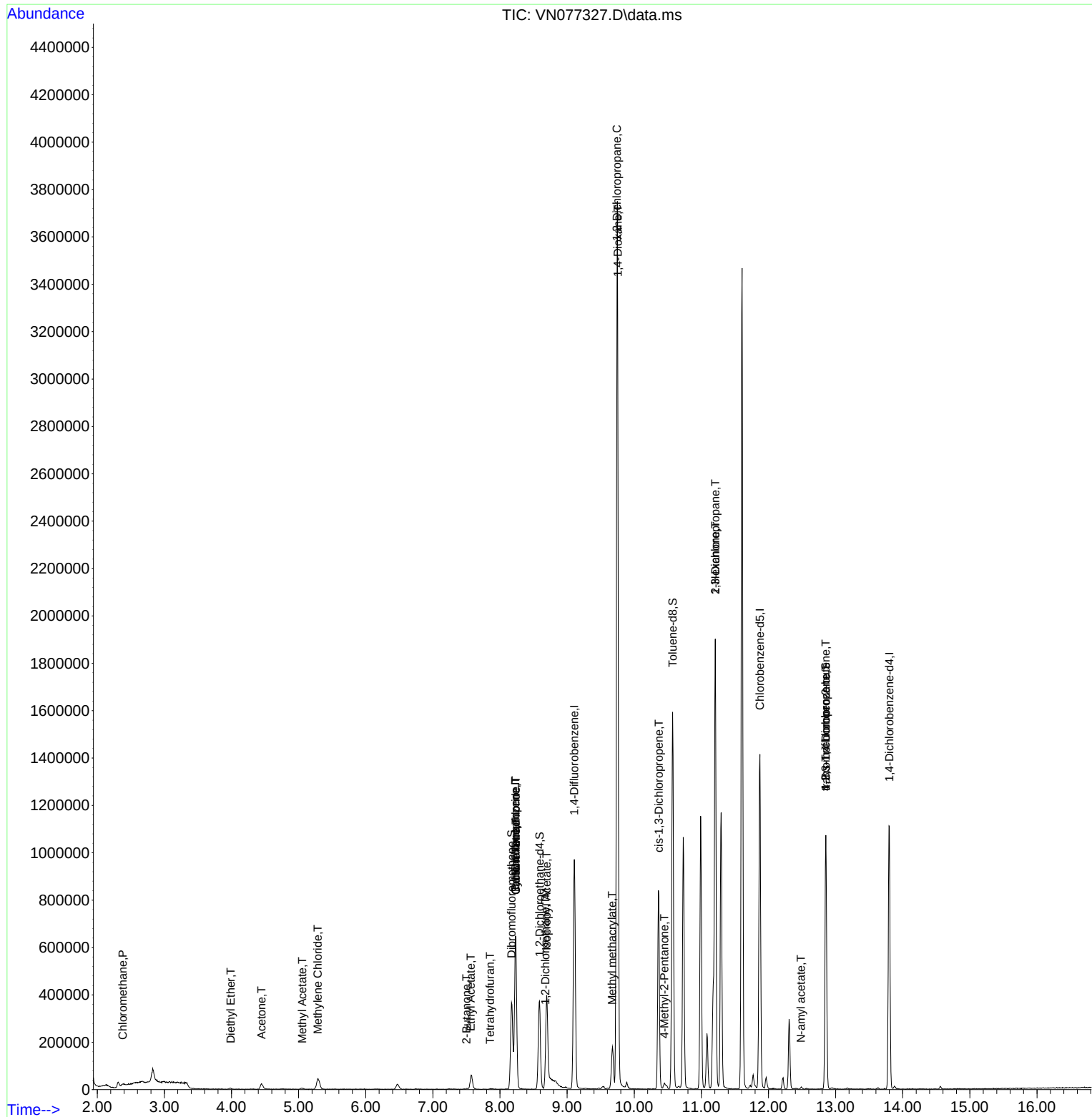
Internal Standards						
1) Pentafluorobenzene	8.230	168	467337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	898796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	842128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.801	152	307192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	293009	45.874	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.740%		
35) Dibromofluoromethane	8.172	113	265112	46.076	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.160%		
50) Toluene-d8	10.572	98	1129452	48.761	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.520%		
62) 4-Bromofluorobenzene	12.854	95	379029	49.201	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.400%		
Target Compounds						Qvalue
3) Chloromethane	2.378	50	1846	0.250	ug/l	91
8) Diethyl Ether	3.990	74	2641	0.725	ug/l	86
16) Acetone	4.448	43	40362	17.139	ug/l	99
18) Methyl Acetate	5.054	43	8810	0.982	ug/l #	63
20) Methylene Chloride	5.284	84	38870	5.844	ug/l	96
25) 2-Butanone	7.501	43	2631	0.688	ug/l #	79
29) Tetrahydrofuran	7.854	42	2048	0.834	ug/l #	55
31) Cyclohexane	8.236	56	11655	1.174	ug/l #	44
36) 1,1-Dichloropropene	8.230	75	41054	4.824	ug/l #	49
37) Ethyl Acetate	7.566	43	87454	11.486	ug/l #	95
38) Carbon Tetrachloride	8.236	117	49138	5.636	ug/l #	15
42) 1,2-Dichloroethane	8.678	62	3083	0.377	ug/l #	73
43) Isopropyl Acetate	8.695	43	470572	33.494	ug/l #	85
45) 1,2-Dichloropropane	9.742	63	5373	0.852	ug/l #	41
48) Methyl methacrylate	9.672	41	10383	1.732	ug/l #	33
49) 1,4-Dioxane	9.754	88	660	4.542	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	14679	1.808	ug/l	94
54) cis-1,3-Dichloropropene	10.366	75	171783	15.644	ug/l #	63
57) 1,3-Dichloropropane	11.207	76	21650	1.921	ug/l #	42
59) 2-Hexanone	11.207	43	196940	32.552	ug/l #	54
74) N-amyl acetate	12.483	43	3162	0.280	ug/l #	50
76) 1,2,3-Trichloropropane	12.854	75	198546	27.142	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	198546	61.079	ug/l #	13

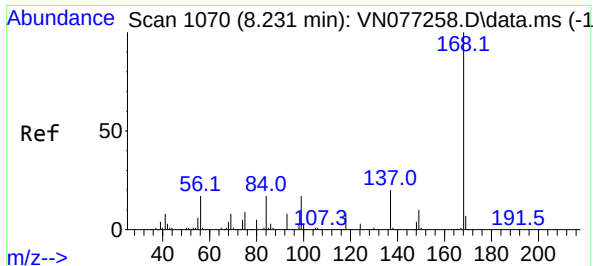
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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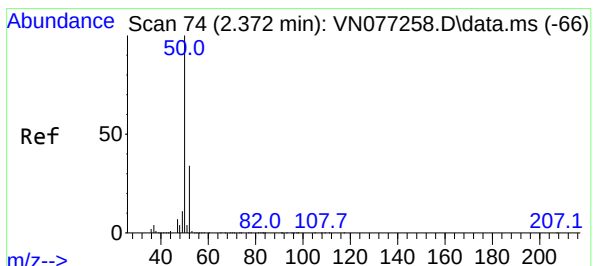
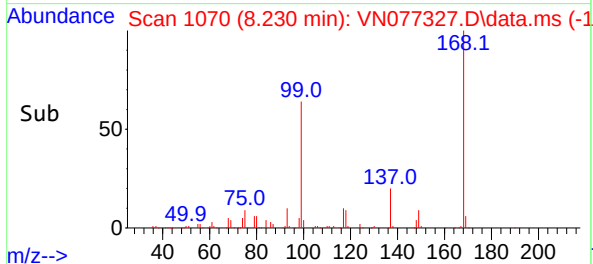
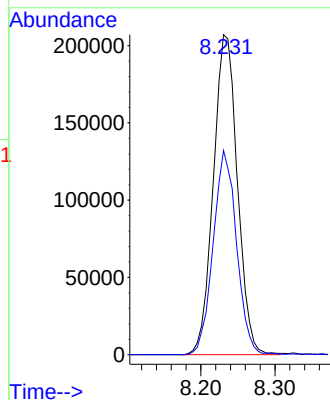
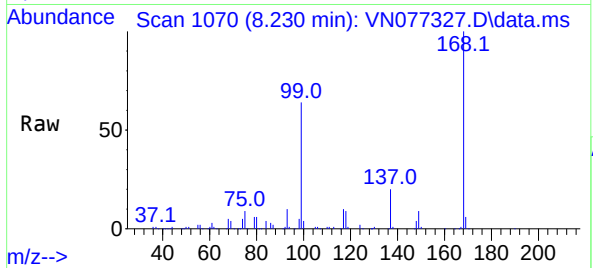




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

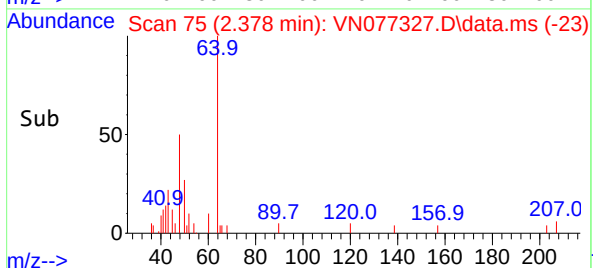
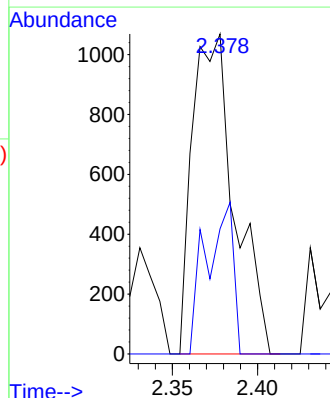
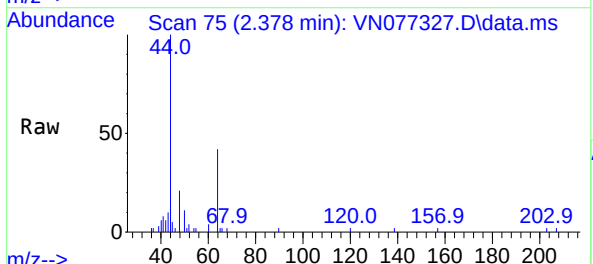
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G3-041123

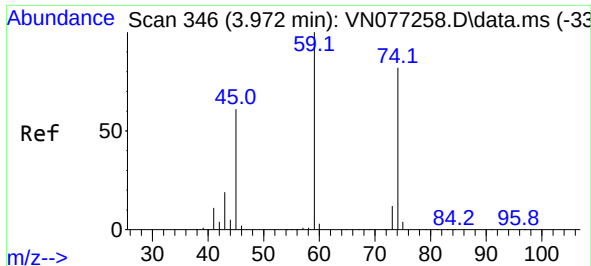
Tgt Ion:168 Resp: 467337
Ion Ratio Lower Upper
168 100
99 63.8 50.6 75.8



#3
Chloromethane
Concen: 0.250 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

Tgt Ion: 50 Resp: 1846
Ion Ratio Lower Upper
50 100
52 39.1 27.3 40.9

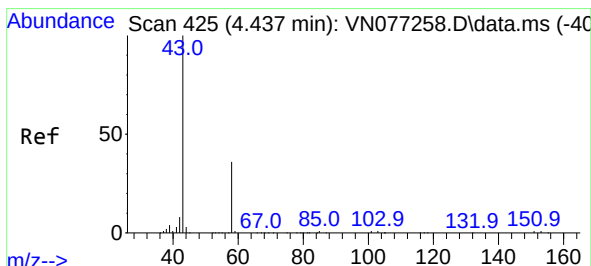
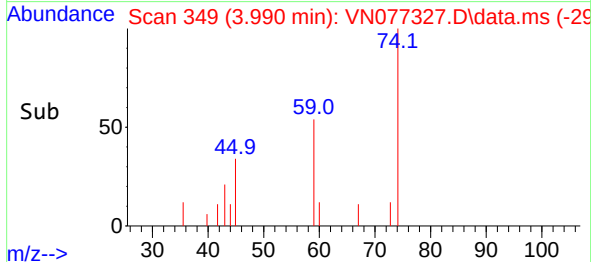
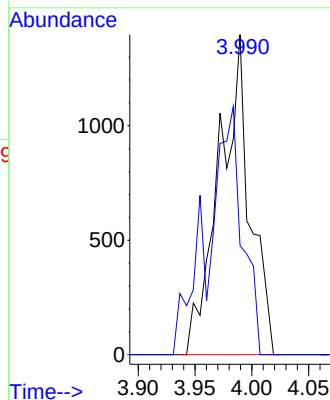
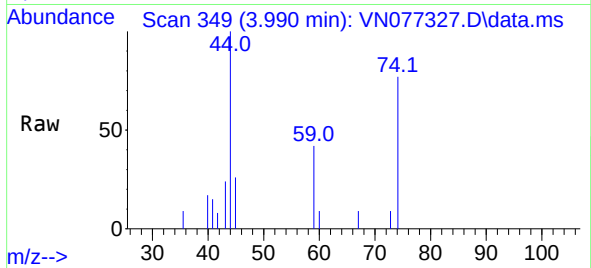




#8
Diethyl Ether
Concen: 0.725 ug/l
RT: 3.990 min Scan# 34
Delta R.T. 0.018 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

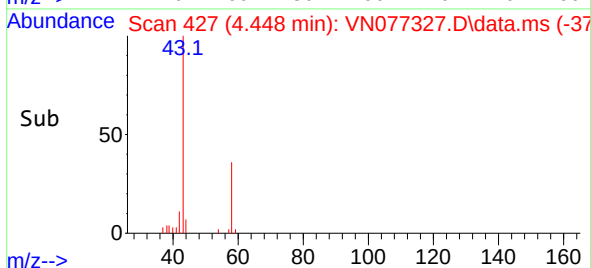
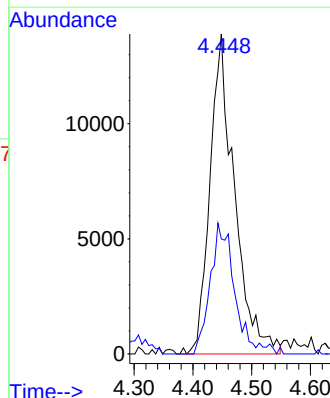
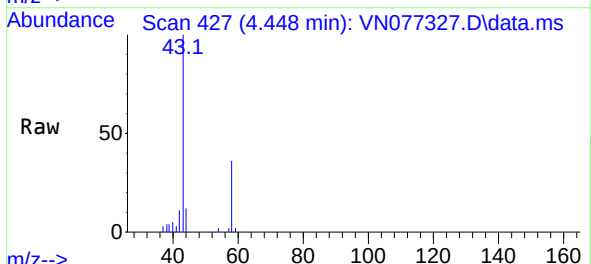
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G3-041123

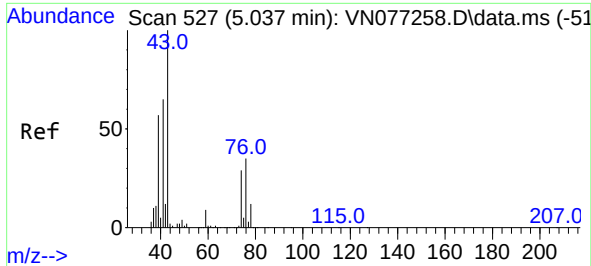
Tgt Ion: 74 Resp: 2641
Ion Ratio Lower Upper
74 100
45 63.8 37.8 113.4



#16
Acetone
Concen: 17.139 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

Tgt Ion: 43 Resp: 40362
Ion Ratio Lower Upper
43 100
58 35.9 29.0 43.6





#18

Methyl Acetate

Concen: 0.982 ug/l

RT: 5.054 min Scan# 51

Delta R.T. 0.017 min

Lab File: VN077327.D

Acq: 13 Apr 2023 14:36

Instrument :

MSVOA_N

ClientSampleId :

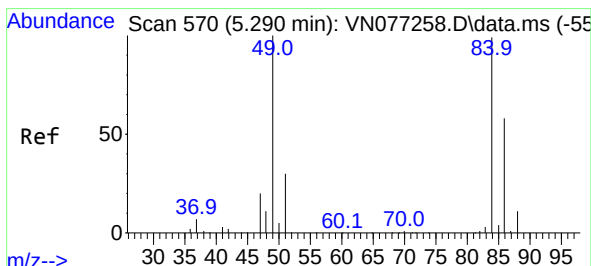
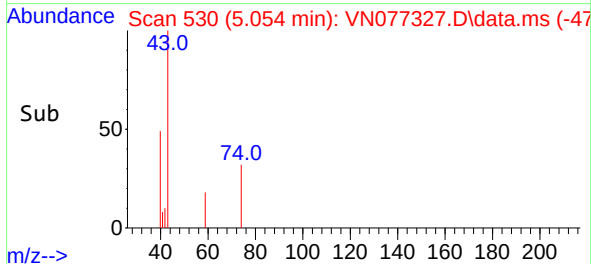
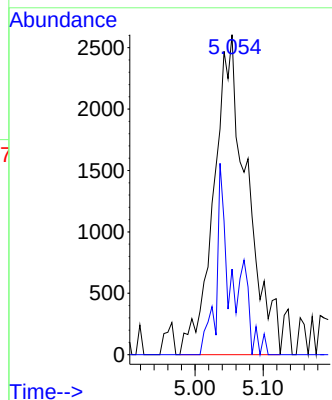
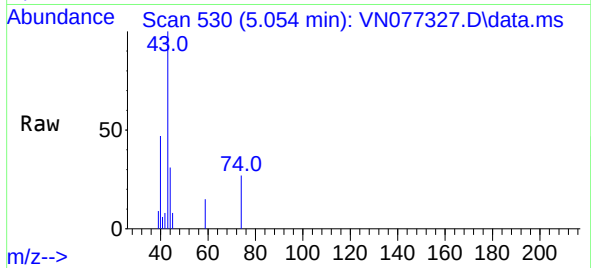
IDW-SO-G3-041123

Tgt Ion: 43 Resp: 8810

Ion Ratio Lower Upper

43 100

74 9.4 23.4 35.2#



#20

Methylene Chloride

Concen: 5.844 ug/l

RT: 5.284 min Scan# 569

Delta R.T. -0.006 min

Lab File: VN077327.D

Acq: 13 Apr 2023 14:36

Tgt Ion: 84 Resp: 38870

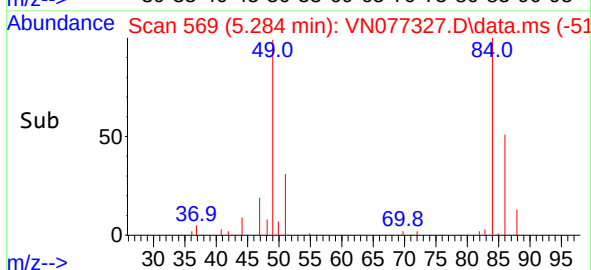
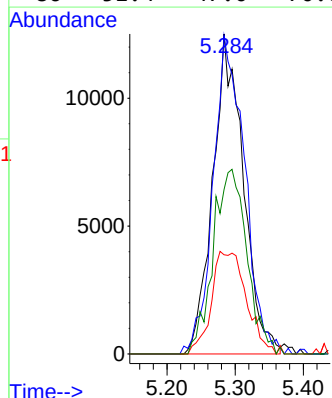
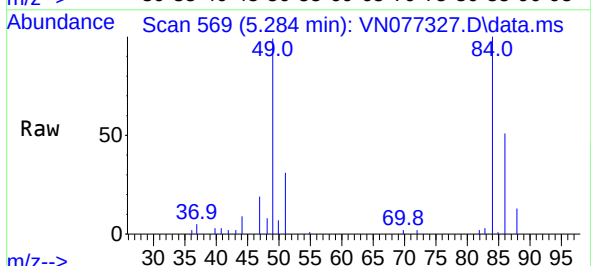
Ion Ratio Lower Upper

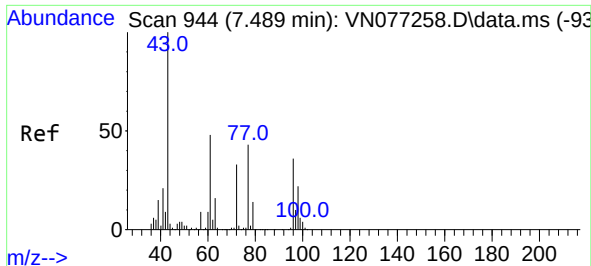
84 100

49 99.4 80.6 121.0

51 31.0 24.4 36.6

86 51.4 47.0 70.6

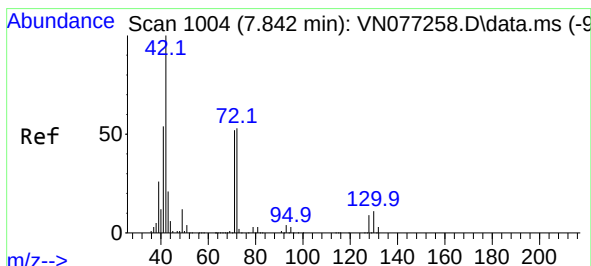
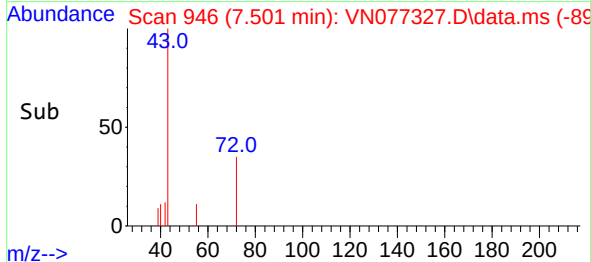
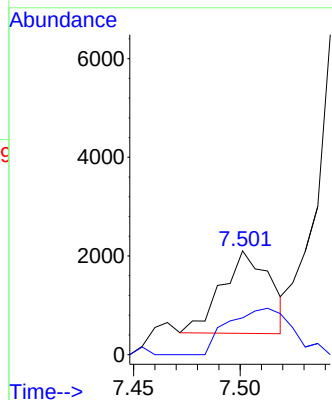
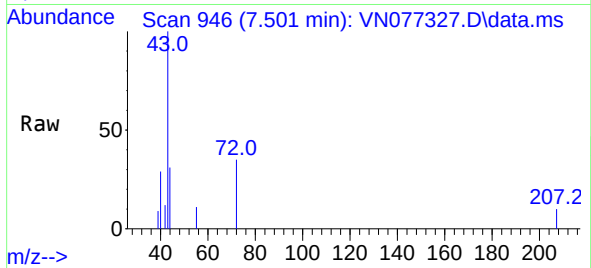




#25
2-Butanone
Concen: 0.688 ug/l
RT: 7.501 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

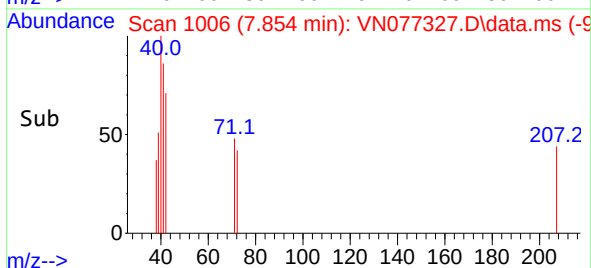
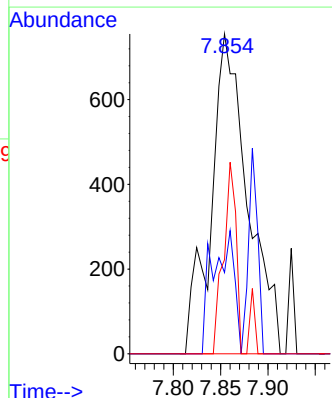
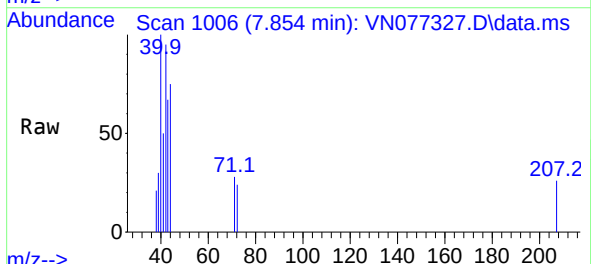
Instrument :
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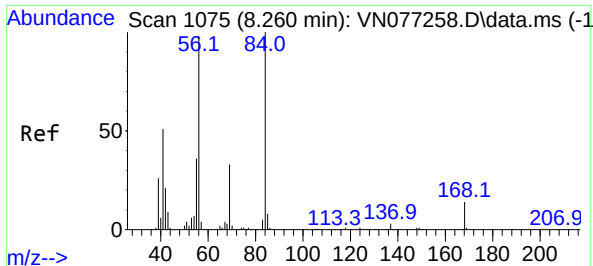
Tgt Ion: 43 Resp: 2631
Ion Ratio Lower Upper
43 100
72 44.8 26.6 39.8#



#29
Tetrahydrofuran
Concen: 0.834 ug/l
RT: 7.854 min Scan# 1006
Delta R.T. 0.012 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

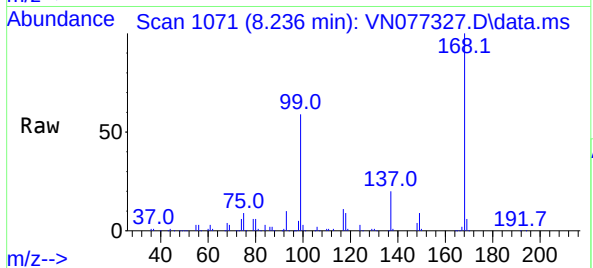
Tgt Ion: 42 Resp: 2048
Ion Ratio Lower Upper
42 100
72 22.6 44.6 66.8#
71 20.6 41.3 61.9#



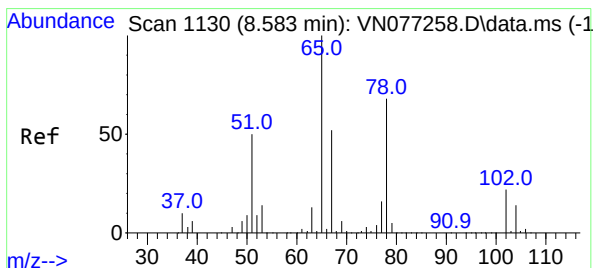
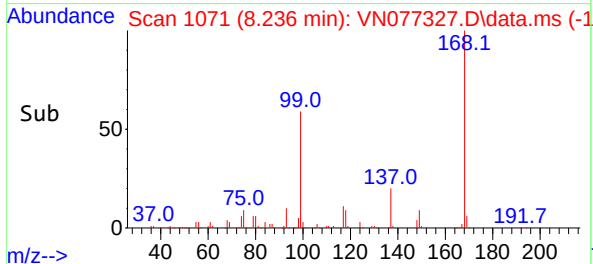
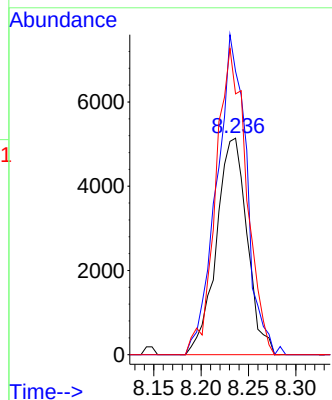


#31
Cyclohexane
Concen: 1.174 ug/l
RT: 8.236 min Scan# 1075
Delta R.T. -0.024 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

Instrument :
MSVOA_N
ClientSampleId :
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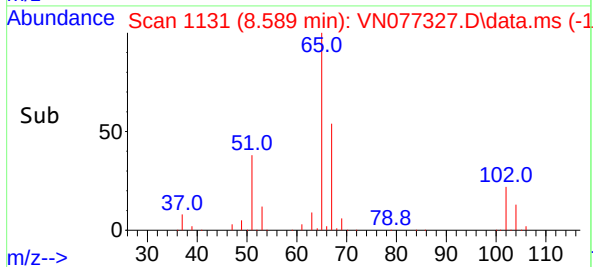
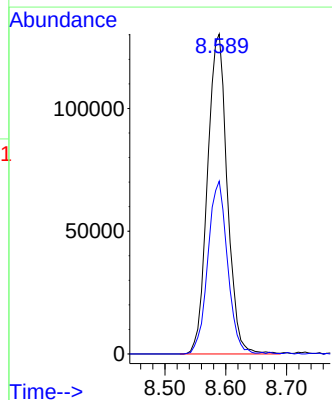
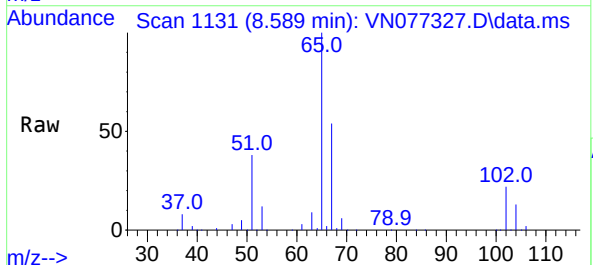


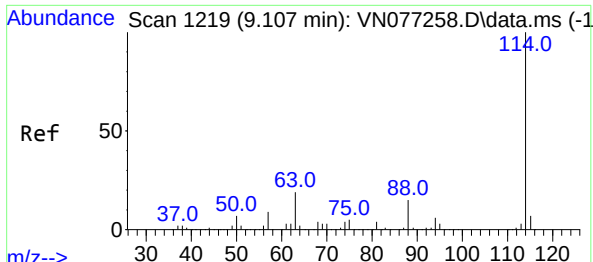
Tgt Ion: 56 Resp: 11655
Ion Ratio Lower Upper
56 100
69 130.9 26.6 40.0#
84 120.5 81.8 122.8



#33
1,2-Dichloroethane-d4
Concen: 45.874 ug/l
RT: 8.589 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

Tgt Ion: 65 Resp: 293009
Ion Ratio Lower Upper
65 100
67 53.8 0.0 108.8



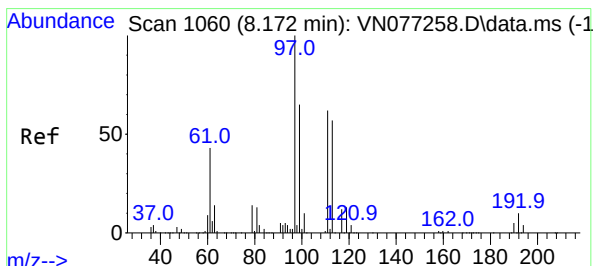
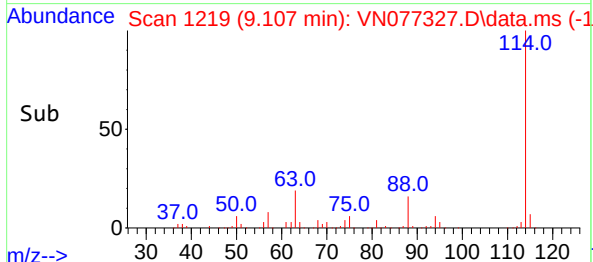
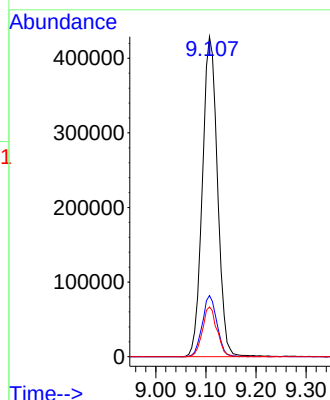
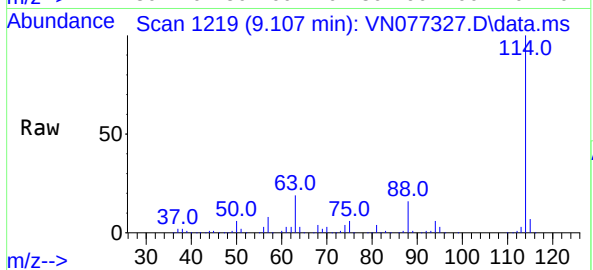


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

Instrument :
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Tgt Ion:114 Resp: 898796

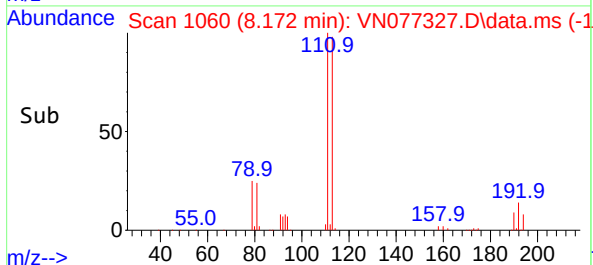
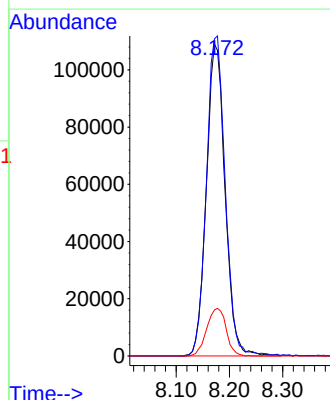
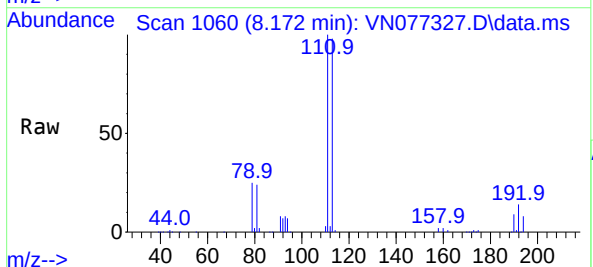
Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	37.8
88	15.5	0.0	29.4

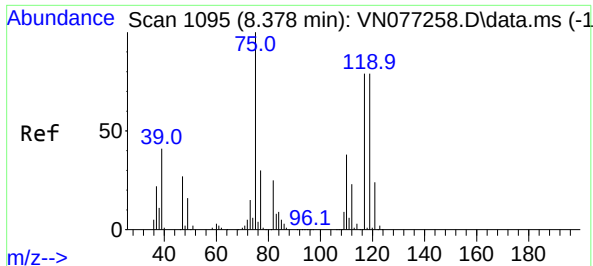


#35
Dibromofluoromethane
Concen: 46.076 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

Tgt Ion:113 Resp: 265112

Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.4	125.0
192	15.9	13.5	20.3





#36

1,1-Dichloropropene

Concen: 4.824 ug/l

RT: 8.230 min Scan# 1095

Delta R.T. -0.148 min

Lab File: VN077327.D

Acq: 13 Apr 2023 14:36

Instrument :

MSVOA_N

ClientSampleId :

IDW-SO-G3-041123

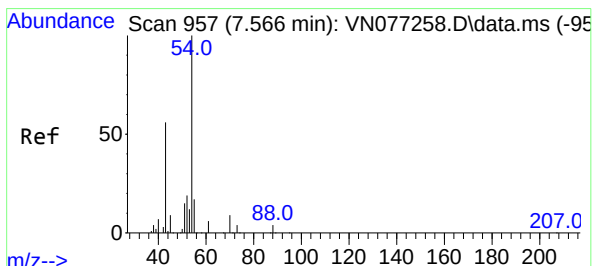
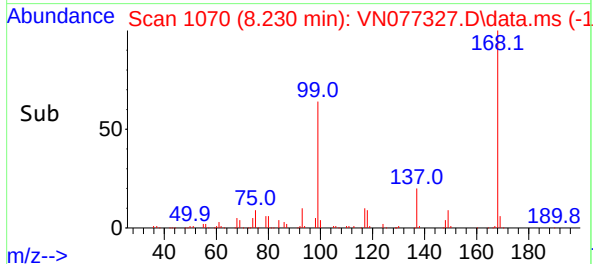
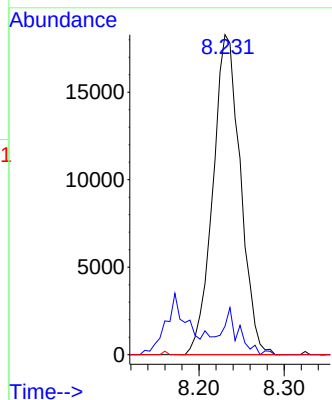
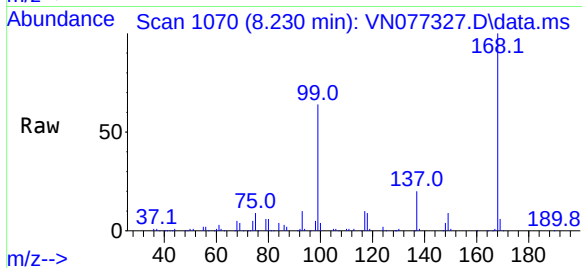
Tgt Ion: 75 Resp: 41054

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 11.486 ug/l

RT: 7.566 min Scan# 957

Delta R.T. -0.000 min

Lab File: VN077327.D

Acq: 13 Apr 2023 14:36

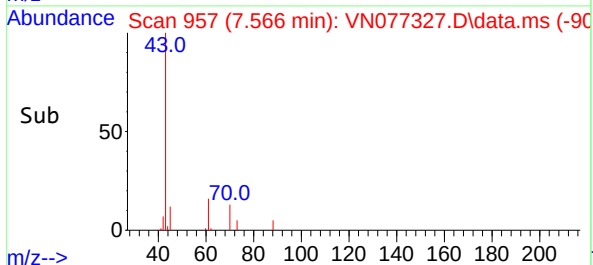
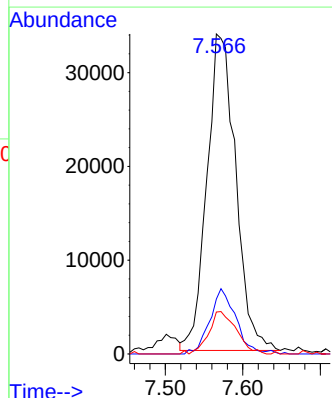
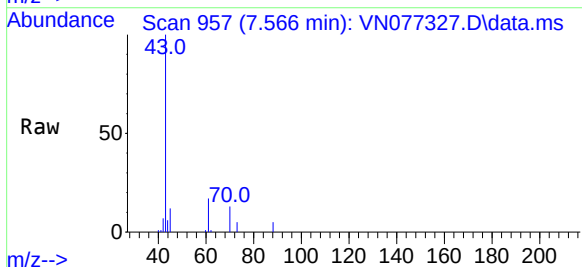
Tgt Ion: 43 Resp: 87454

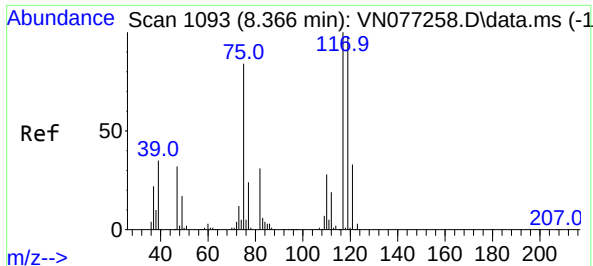
Ion Ratio Lower Upper

43 100

61 18.4 12.2 18.2#

70 12.9 10.0 15.0

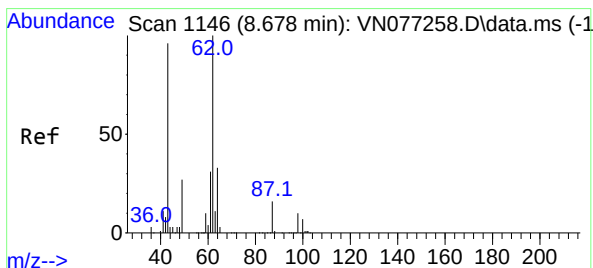
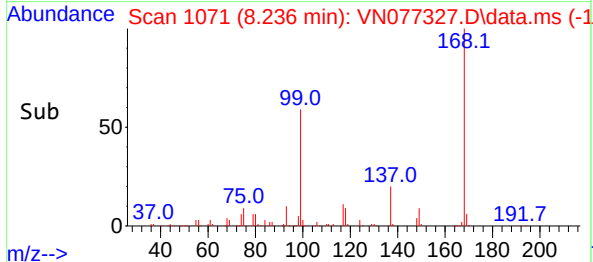
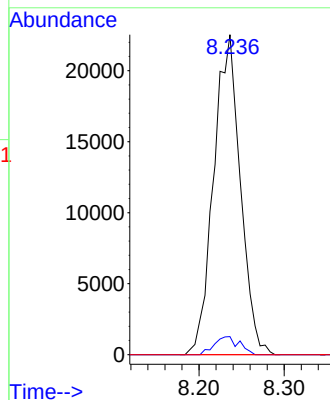
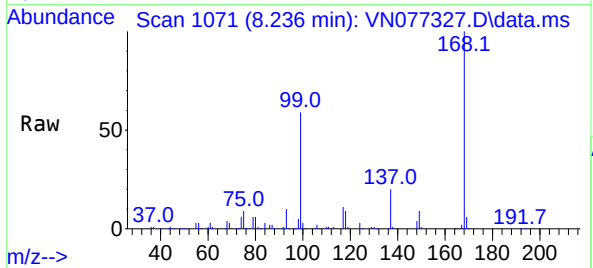




#38
Carbon Tetrachloride
Concen: 5.636 ug/l
RT: 8.236 min Scan# 1107
Delta R.T. -0.130 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

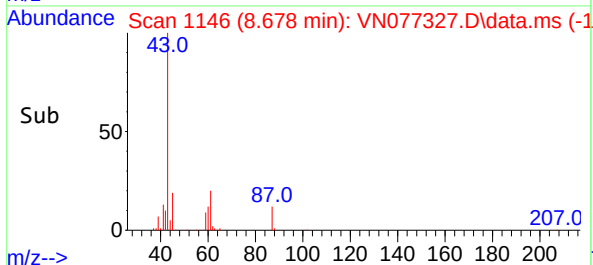
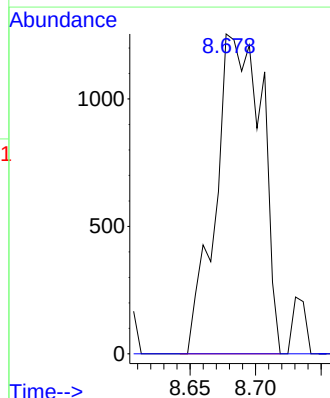
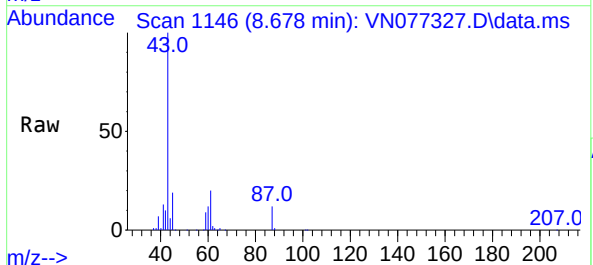
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G3-041123

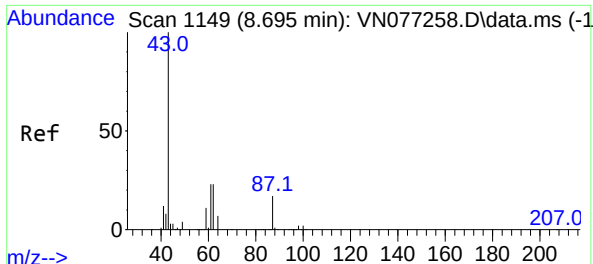
Tgt Ion: 117 Resp: 49138
Ion Ratio Lower Upper
117 100
119 5.6 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.377 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

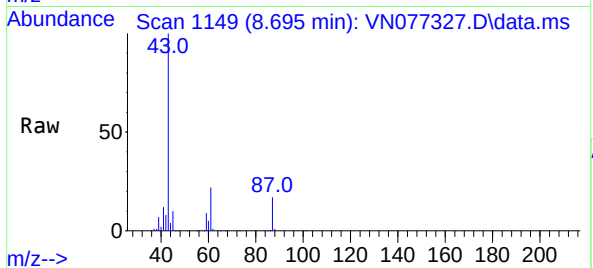
Tgt Ion: 62 Resp: 3083
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



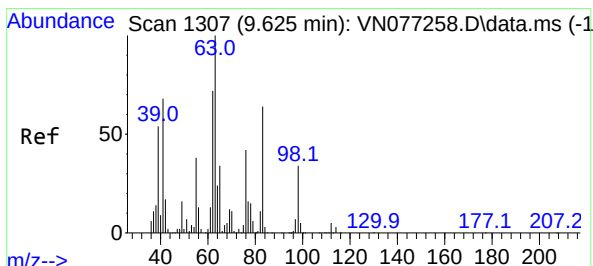
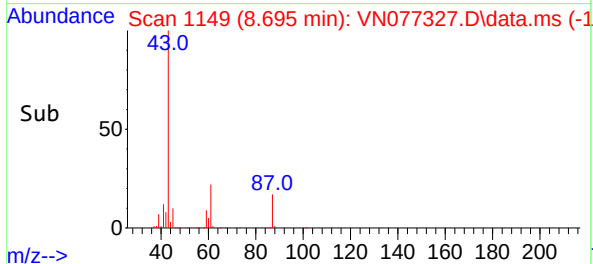
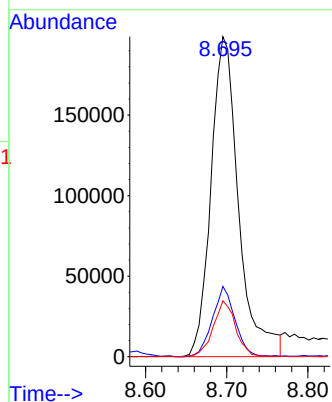


#43
Isopropyl Acetate
Concen: 33.494 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G3-041123

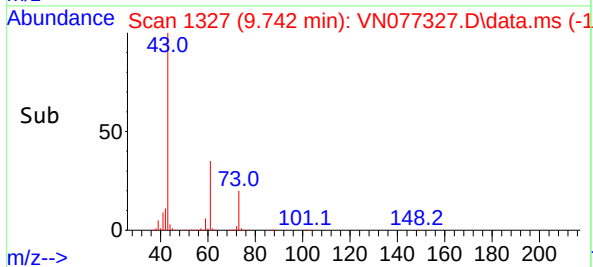
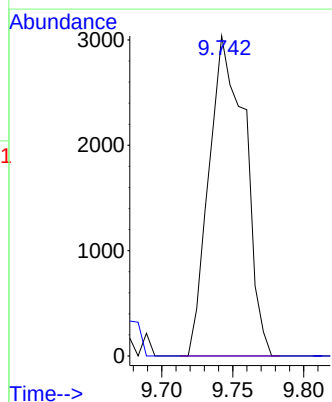
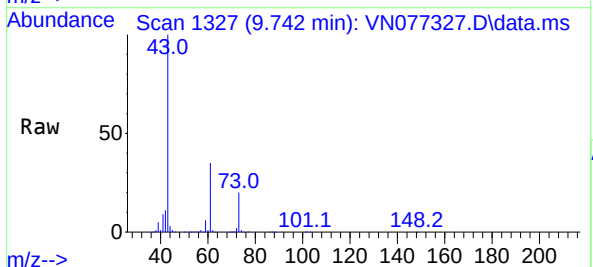


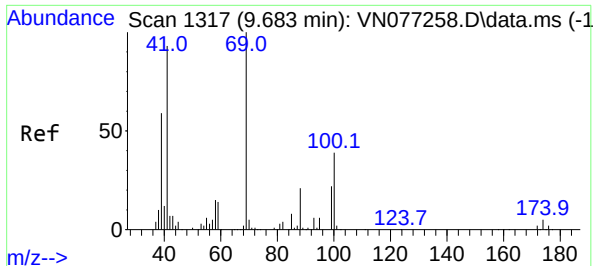
Tgt Ion: 43 Resp: 470572
Ion Ratio Lower Upper
43 100
61 18.0 22.7 34.1#
87 14.2 13.6 20.4



#45
1,2-Dichloropropane
Concen: 0.852 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.117 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

Tgt Ion: 63 Resp: 5373
Ion Ratio Lower Upper
63 100
65 0.0 27.1 40.7#





#48

Methyl methacrylate

Concen: 1.732 ug/l

RT: 9.672 min Scan# 1

Delta R.T. -0.011 min

Lab File: VN077327.D

Acq: 13 Apr 2023 14:36

Instrument :

MSVOA_N

ClientSampleId :

IDW-SO-G3-041123

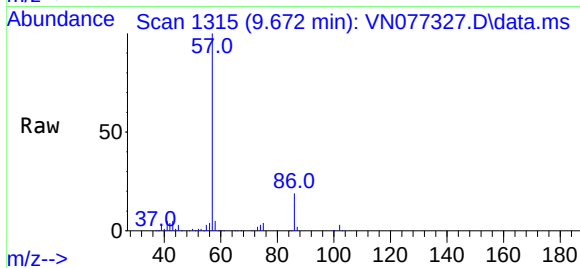
Tgt Ion: 41 Resp: 10383

Ion Ratio Lower Upper

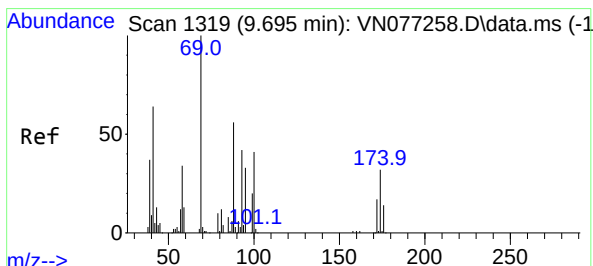
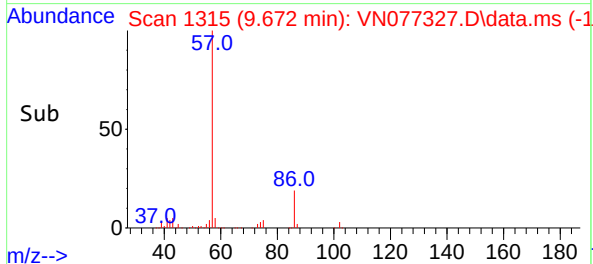
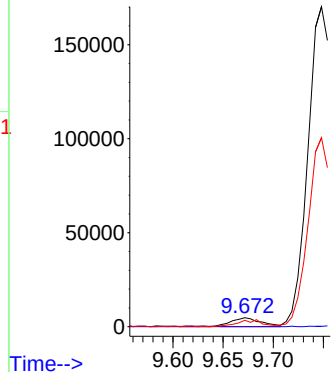
41 100

69 0.0 85.0 127.6#

39 59.4 53.5 80.3



Abundance



#49

1,4-Dioxane

Concen: 4.542 ug/l

RT: 9.754 min Scan# 1329

Delta R.T. 0.059 min

Lab File: VN077327.D

Acq: 13 Apr 2023 14:36

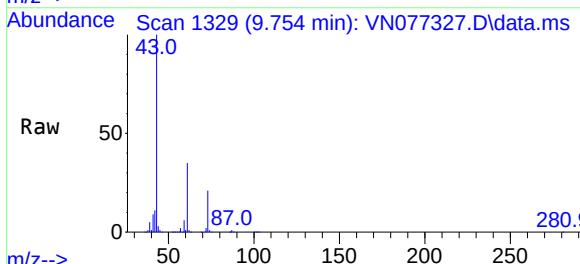
Tgt Ion: 88 Resp: 660

Ion Ratio Lower Upper

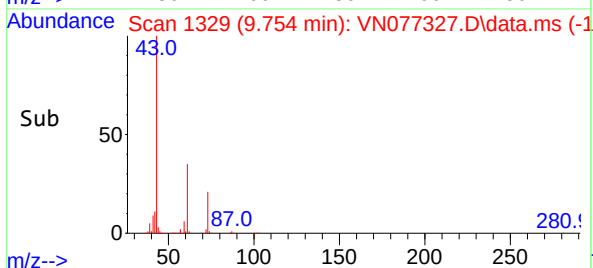
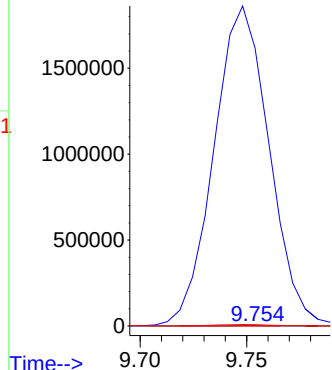
88 100

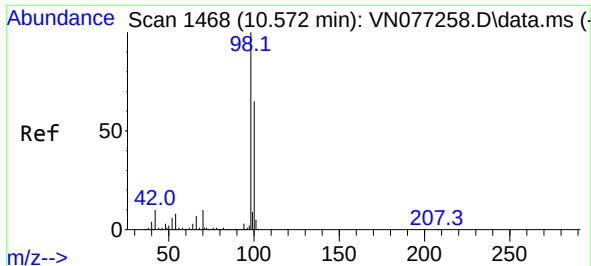
43 512791.2 17.0 25.6#

58 2336.5 49.8 74.6#



Abundance

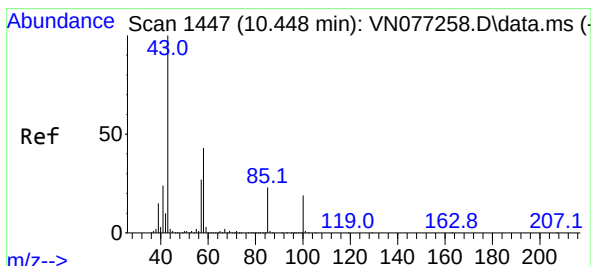
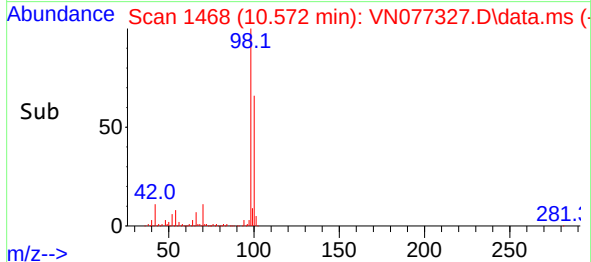
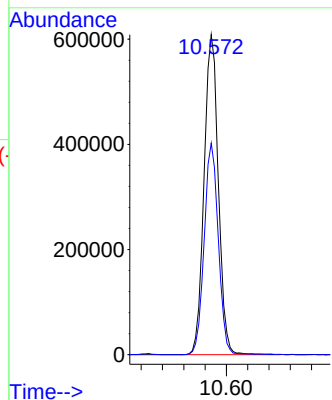
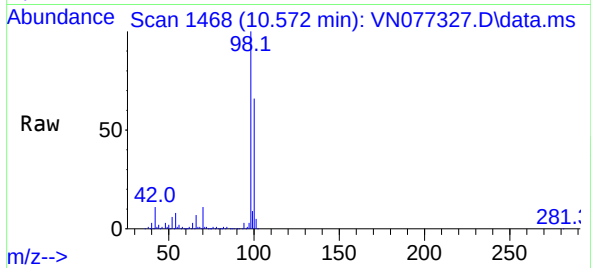




#50
Toluene-d8
Concen: 48.761 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

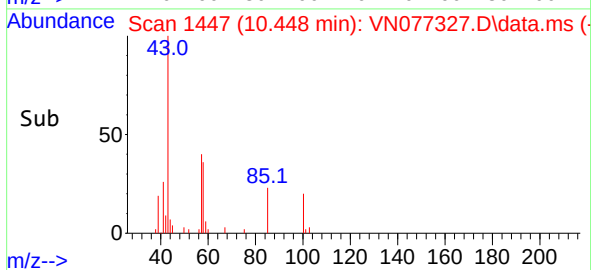
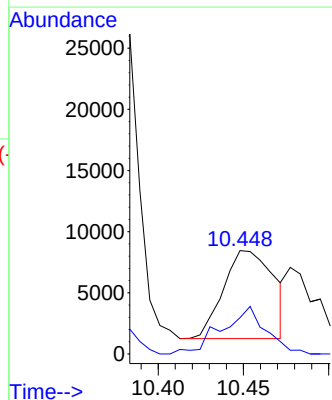
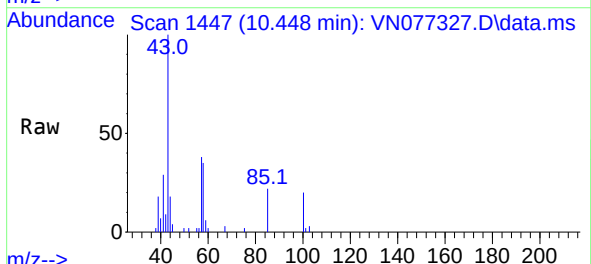
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G3-041123

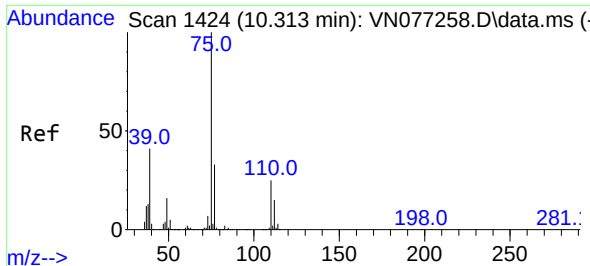
Tgt Ion: 98 Resp: 1129452
Ion Ratio Lower Upper
98 100
100 65.4 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.808 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

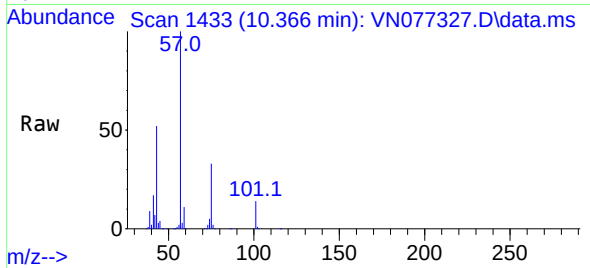
Tgt Ion: 43 Resp: 14679
Ion Ratio Lower Upper
43 100
58 47.4 34.6 52.0



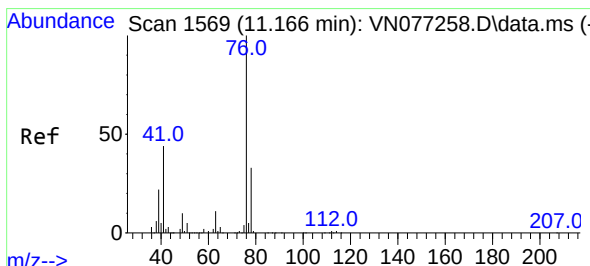
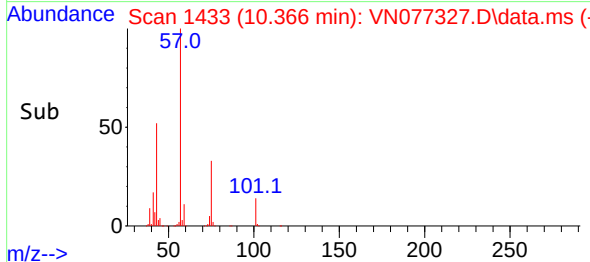
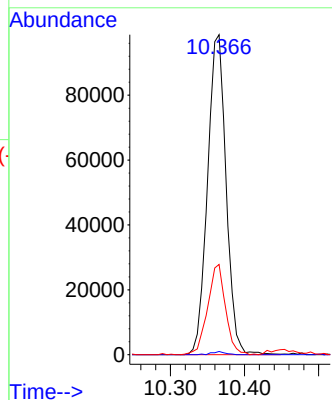


#54
cis-1,3-Dichloropropene
Concen: 15.644 ug/l
RT: 10.366 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G3-041123

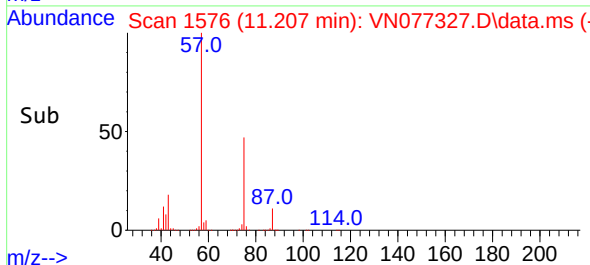
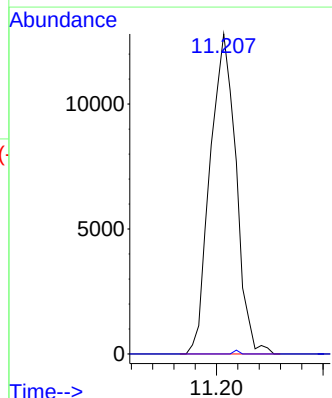
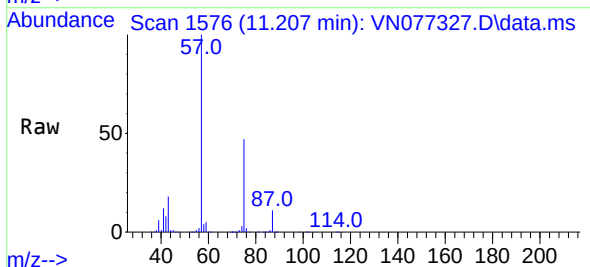


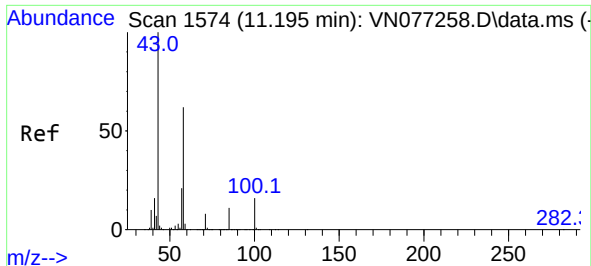
Tgt Ion: 75 Resp: 171783
Ion Ratio Lower Upper
75 100
77 1.0 26.7 40.1#
39 28.2 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.921 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

Tgt Ion: 76 Resp: 21650
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.4#

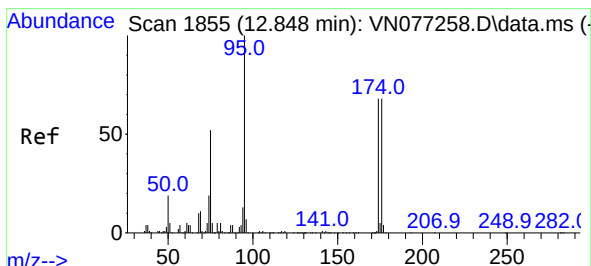
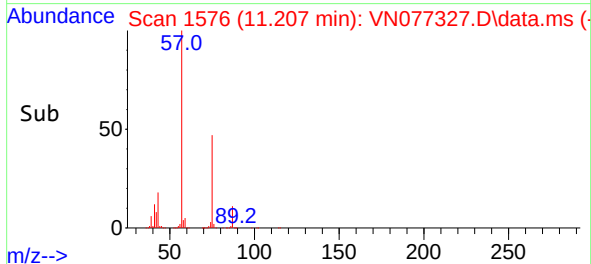
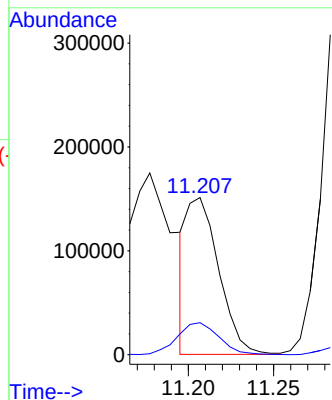
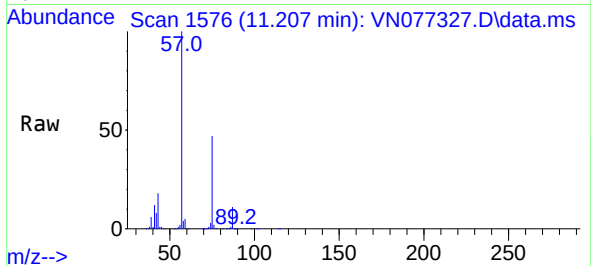




#59
2-Hexanone
Concen: 32.552 ug/l
RT: 11.207 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

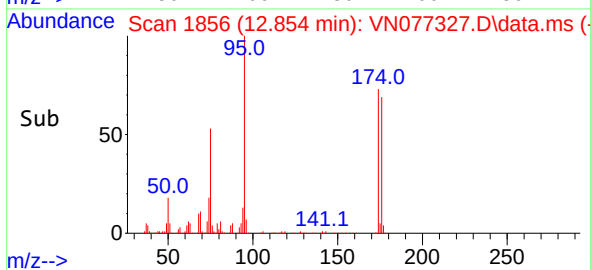
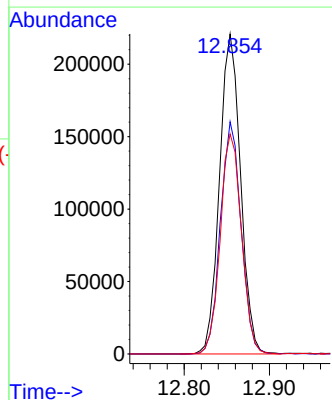
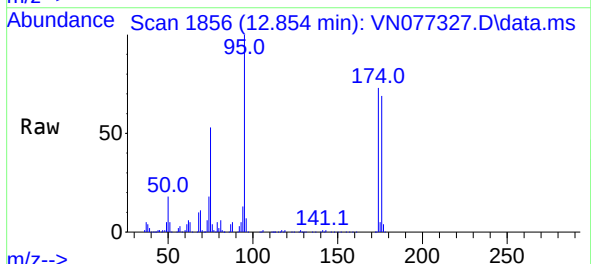
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G3-041123

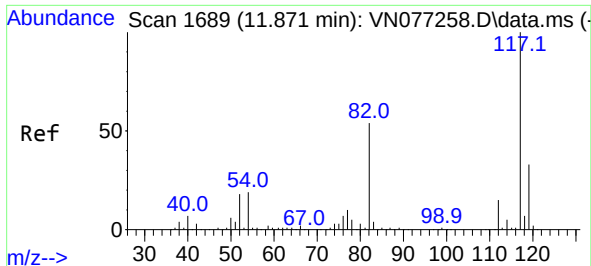
Tgt Ion: 43 Resp: 196940
Ion Ratio Lower Upper
43 100
58 26.8 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 49.201 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

Tgt Ion: 95 Resp: 379029
Ion Ratio Lower Upper
95 100
174 71.4 0.0 146.8
176 68.9 0.0 139.6

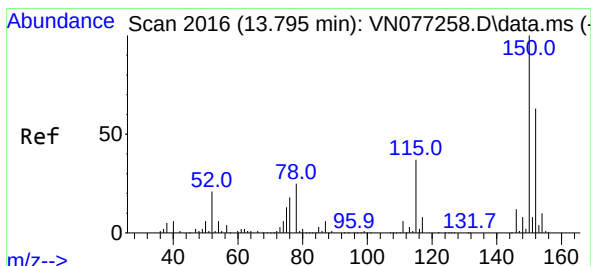
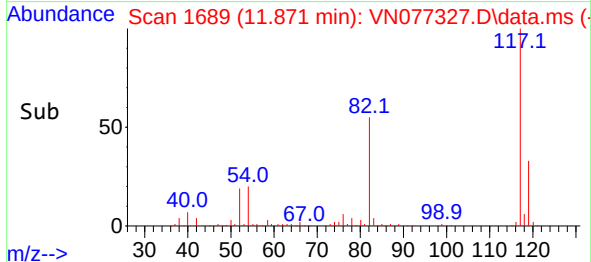
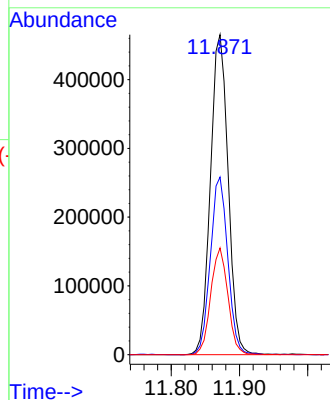
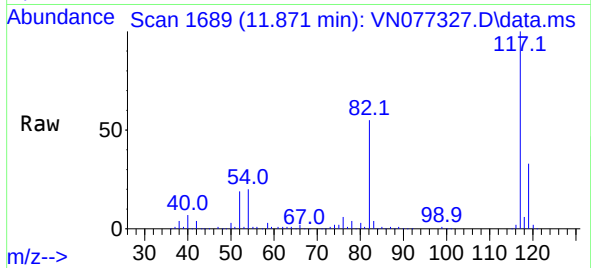




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

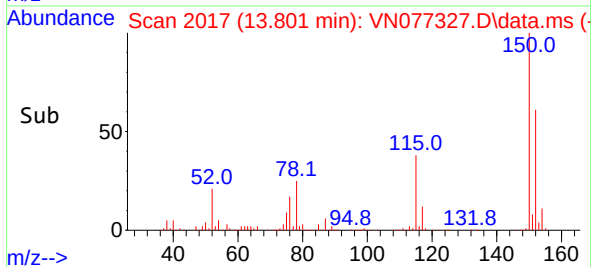
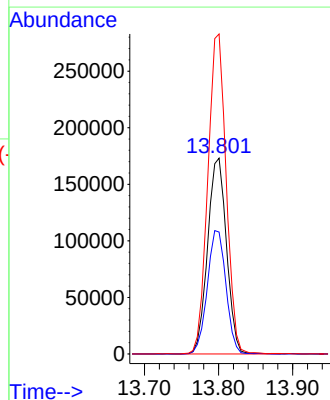
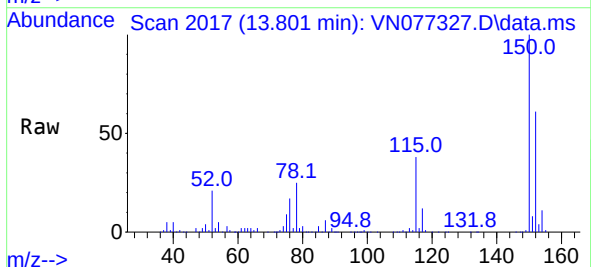
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G3-041123

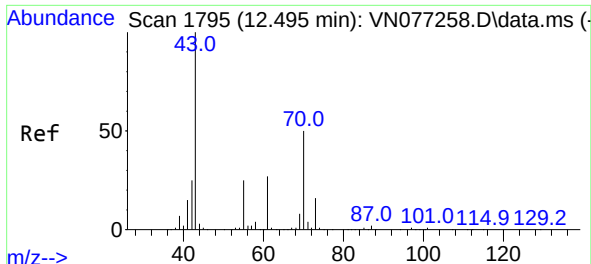
Tgt Ion:117 Resp: 842128
Ion Ratio Lower Upper
117 100
82 55.5 42.9 64.3
119 33.4 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.801 min Scan# 2017
Delta R.T. 0.006 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

Tgt Ion:152 Resp: 307192
Ion Ratio Lower Upper
152 100
115 62.3 32.1 96.3
150 158.7 0.0 354.8

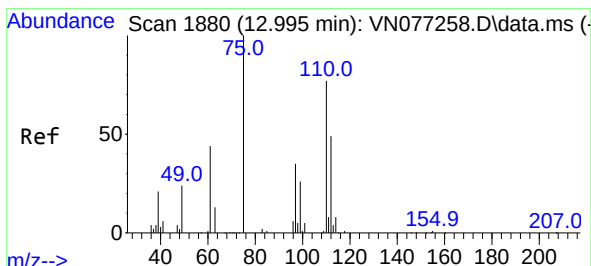
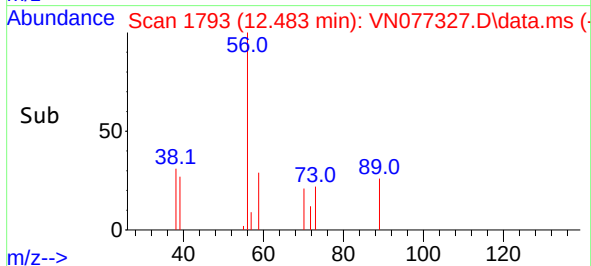
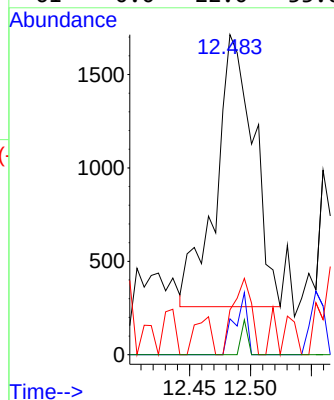
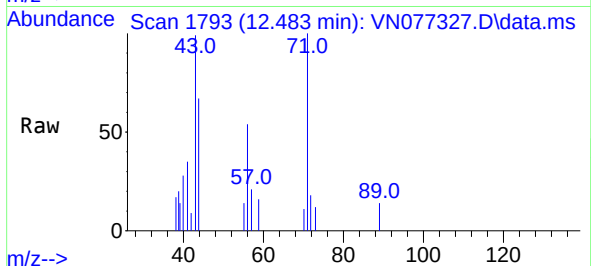




#74
N-amy1 acetate
Concen: 0.280 ug/l
RT: 12.483 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

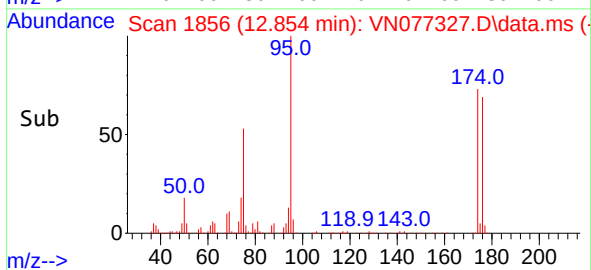
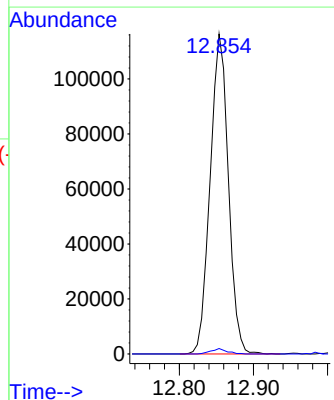
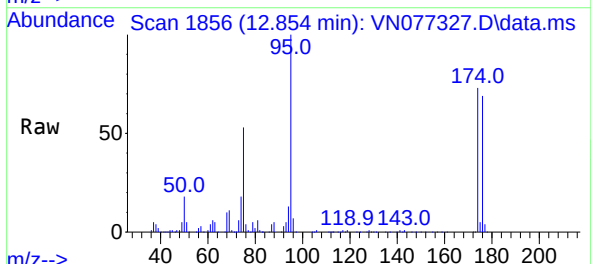
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G3-041123

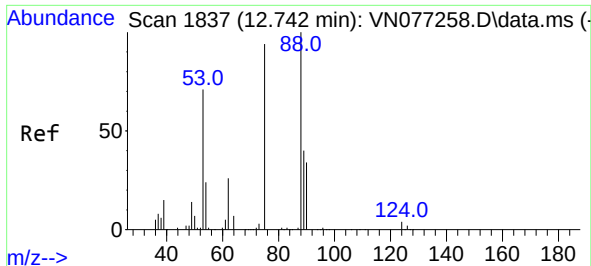
Tgt Ion: 43	Resp: 3162
Ion Ratio	Lower Upper
43 100	
70 7.6	41.0 61.6#
55 13.7	19.3 28.9#
61 0.0	22.0 33.0#



#76
1,2,3-Trichloropropane
Concen: 27.142 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

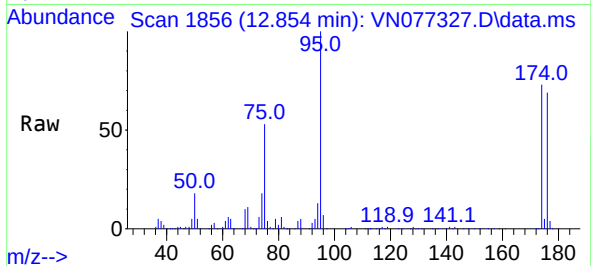
Tgt Ion: 75	Resp: 198546
Ion Ratio	Lower Upper
75 100	
77 1.5	88.3 264.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 61.079 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077327.D
Acq: 13 Apr 2023 14:36

Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G3-041123



Tgt Ion: 75 Resp: 198546
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

