

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010923\
 Data File : VN076160.D
 Acq On : 09 Jan 2023 16:52
 Operator : JC\MD
 Sample : 01065-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-210

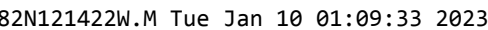
Quant Time: Jan 10 01:09:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

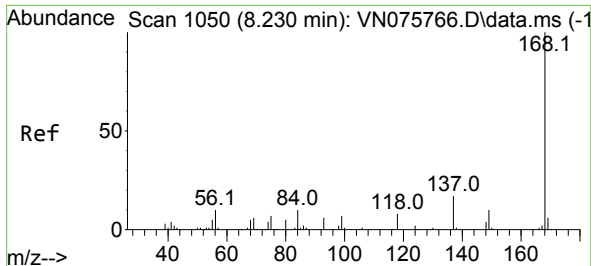
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	311242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	518071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	458797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	184990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	172535	50.955	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.920%			
35) Dibromofluoromethane	8.171	113	151800	47.314	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.620%			
50) Toluene-d8	10.571	98	599011	49.936	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.880%			
62) 4-Bromofluorobenzene	12.853	95	190242	47.883	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.760%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.530	59	570	1.190	ug/l #	72
16) Acetone	4.448	43	49542	42.444	ug/l	97
18) Methyl Acetate	5.047	43	3578	1.037	ug/l	91
20) Methylene Chloride	5.295	84	9427	2.410	ug/l #	82
25) 2-Butanone	7.494	43	8870	5.427	ug/l	99
31) Cyclohexane	8.236	56	6410	1.322	ug/l #	55
36) 1,1-Dichloropropene	8.230	75	23627	5.544	ug/l #	47
37) Ethyl Acetate	7.571	43	23773	6.944	ug/l	97
38) Carbon Tetrachloride	8.236	117	31104	6.521	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	1201	0.275	ug/l #	72
43) Isopropyl Acetate	8.694	43	291700	51.654	ug/l #	68
45) 1,2-Dichloropropane	9.741	63	834	0.261	ug/l #	43
48) Methyl methacrylate	9.677	41	3342	1.314	ug/l #	35
51) 4-Methyl-2-Pentanone	10.447	43	13609	3.985	ug/l #	72
54) cis-1,3-Dichloropropene	10.365	75	54544	10.904	ug/l #	64
56) Ethyl methacrylate	10.988	69	1497	0.335	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4987	0.904	ug/l #	42
59) 2-Hexanone	11.176	43	181295	72.793	ug/l #	20
71) Bromoform	12.853	173	2032	0.801	ug/l #	1
74) N-amyl acetate	12.482	43	1154	0.294	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	100004	26.818	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100004	96.532	ug/l #	12
95) Naphthalene	15.635	128	373	2.213	ug/l #	69

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

Quant Time: Jan 10 01:09:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

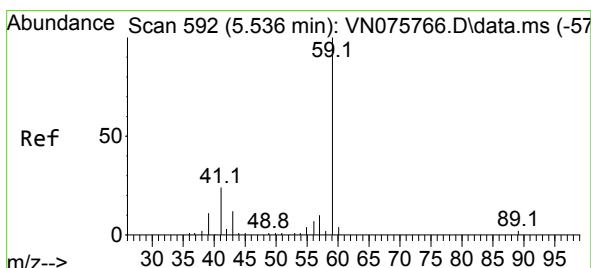
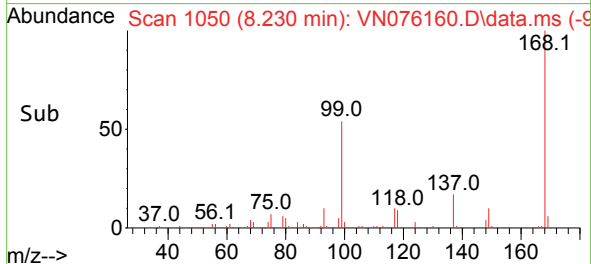
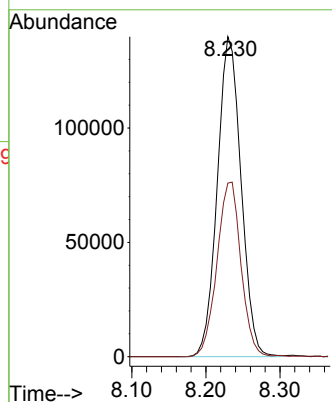
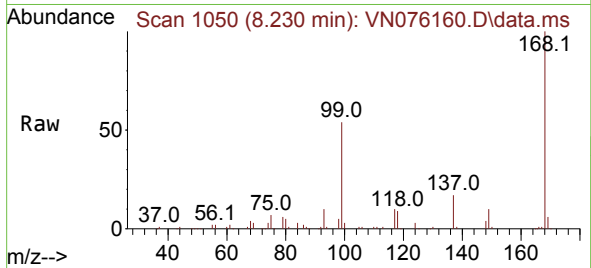




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

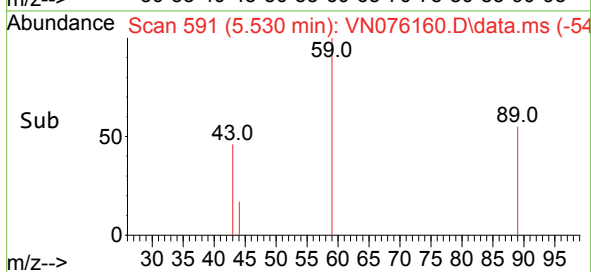
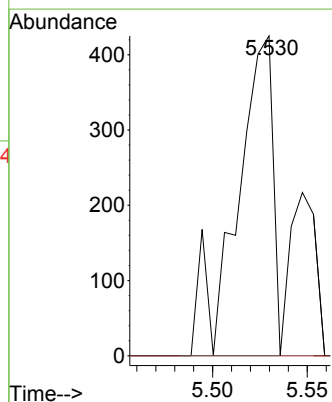
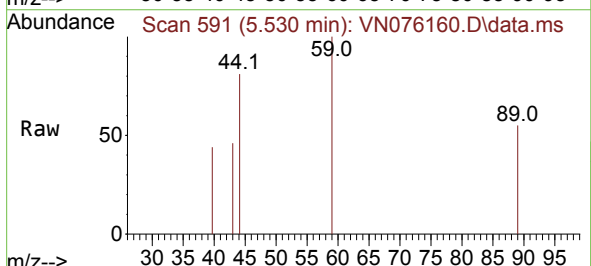
Instrument :
MSVOA_N
ClientSampleId :
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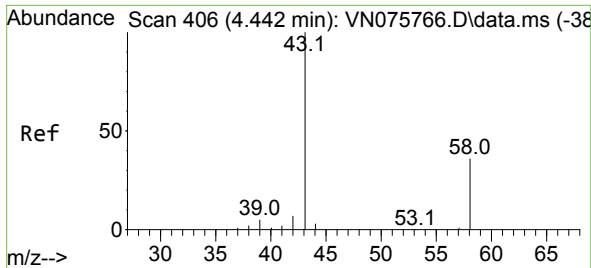
Tgt Ion:168 Resp: 311242
Ion Ratio Lower Upper
168 100
99 54.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.190 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

Tgt Ion: 59 Resp: 570
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 42.444 ug/l

RT: 4.448 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN076160.D

Acq: 09 Jan 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :

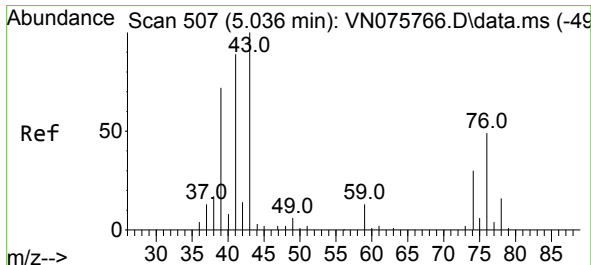
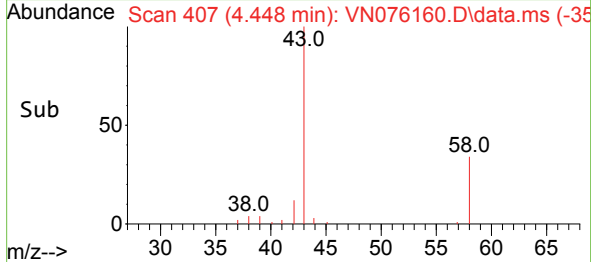
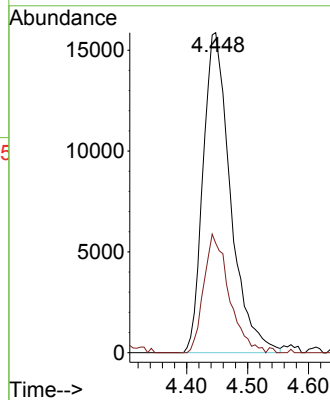
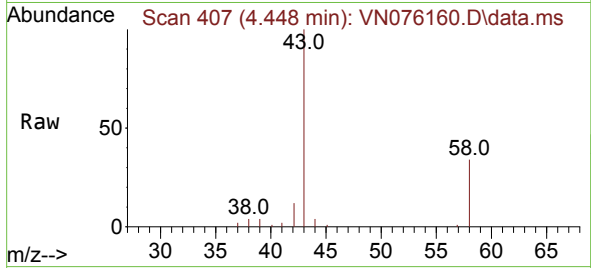
VNJ-210

Tgt Ion: 43 Resp: 49542

Ion Ratio Lower Upper

43 100

58 34.2 28.6 43.0



#18

Methyl Acetate

Concen: 1.037 ug/l

RT: 5.047 min Scan# 509

Delta R.T. 0.012 min

Lab File: VN076160.D

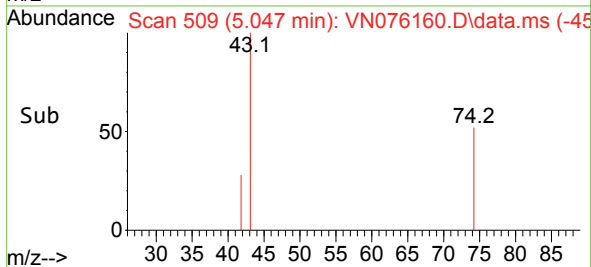
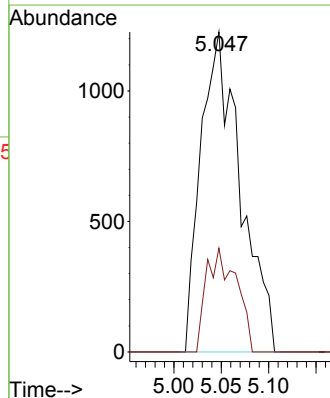
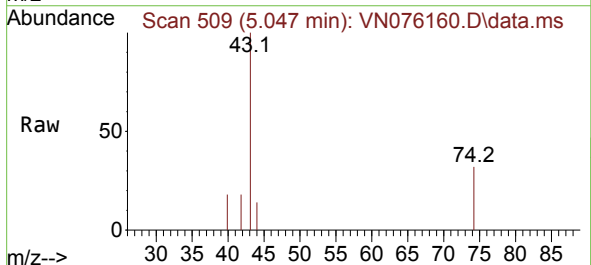
Acq: 09 Jan 2023 16:52

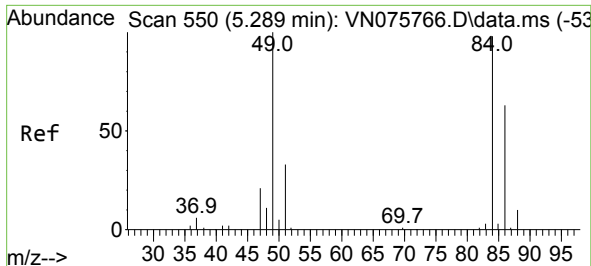
Tgt Ion: 43 Resp: 3578

Ion Ratio Lower Upper

43 100

74 24.5 23.6 35.4

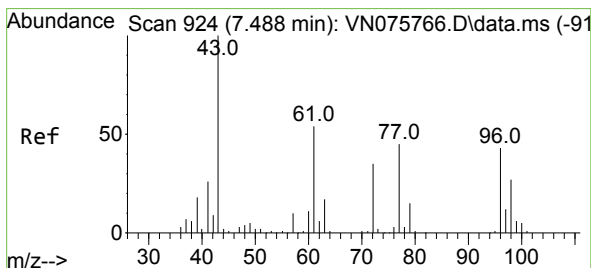
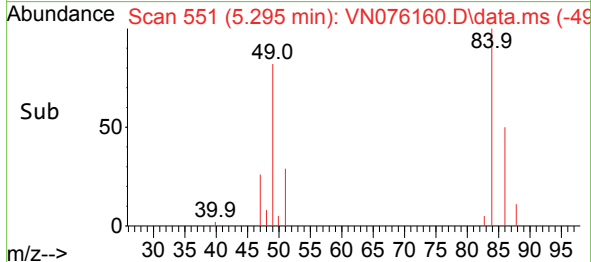
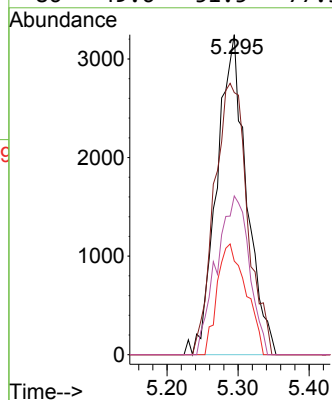
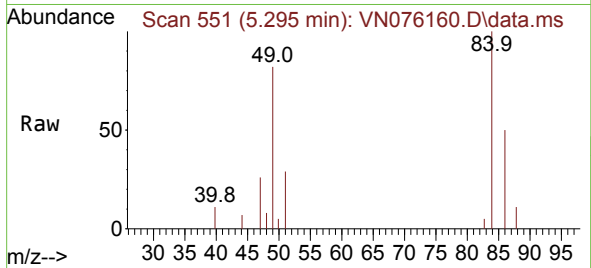




#20
Methylene Chloride
Concen: 2.410 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

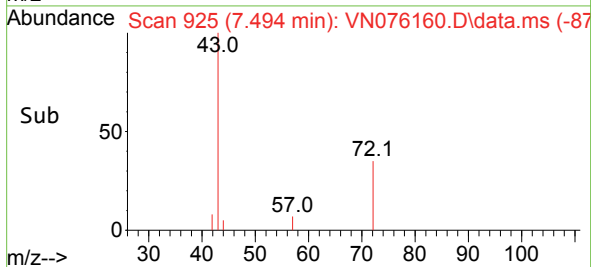
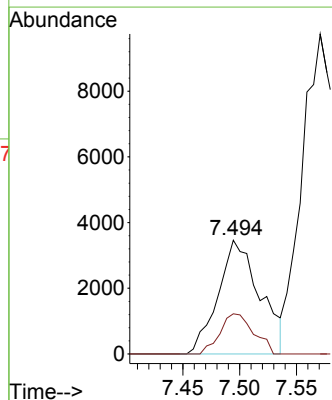
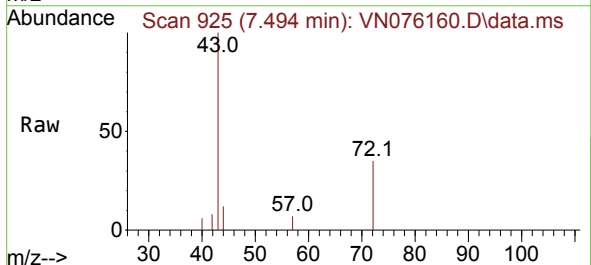
Instrument :
MSVOA_N
ClientSampleId :
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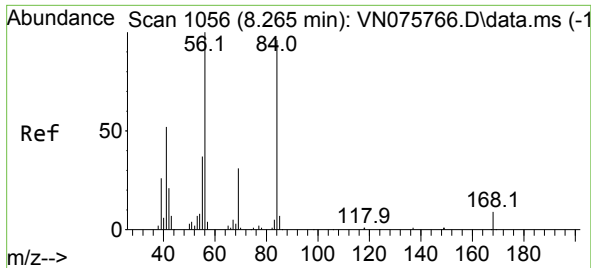
Tgt Ion: 84	Resp: 9427
Ion Ratio	Lower Upper
84 100	
49 81.9	81.8 122.6
51 29.3	26.7 40.1
86 49.6	51.5 77.3#



#25
2-Butanone
Concen: 5.427 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

Tgt Ion: 43	Resp: 8870		
Ion Ratio	Lower	Upper	
43 100			
72 35.3	28.0	42.0	

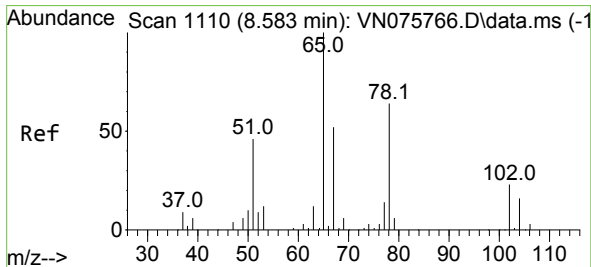
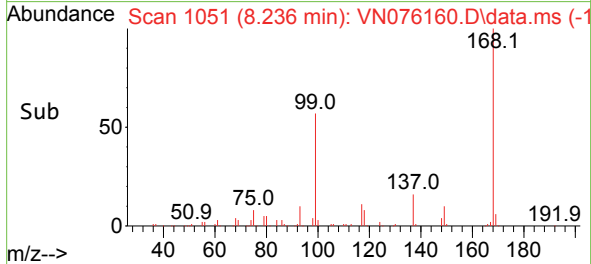
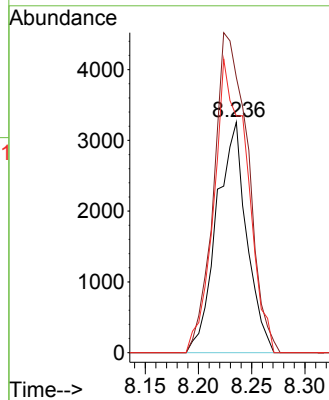
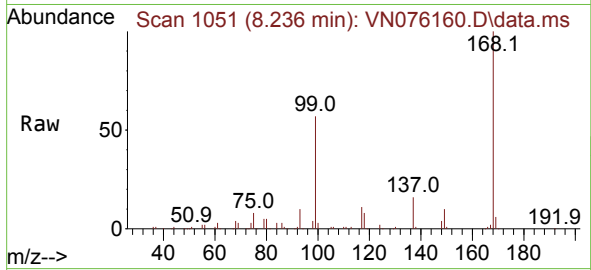




#31
Cyclohexane
Concen: 1.322 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

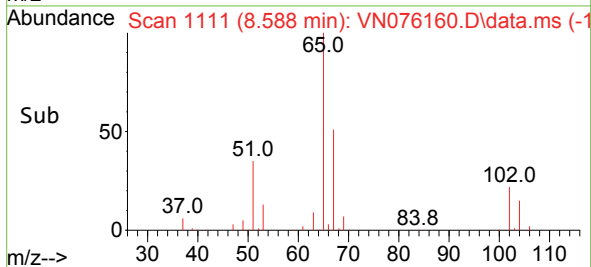
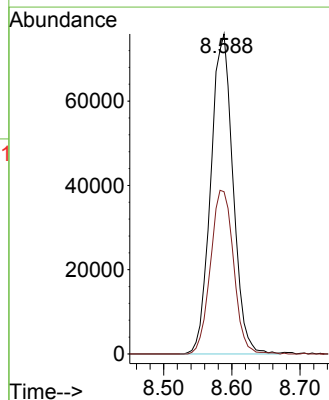
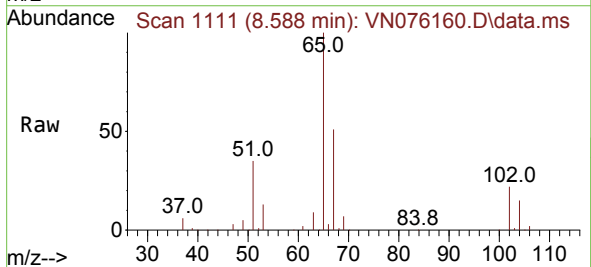
Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

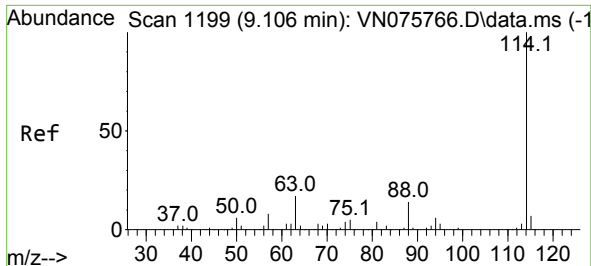
Tgt Ion: 56 Resp: 6410
Ion Ratio Lower Upper
56 100
69 119.3 24.7 37.1#
84 102.6 76.5 114.7



#33
1,2-Dichloroethane-d4
Concen: 50.955 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

Tgt Ion: 65 Resp: 172535
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076160.D

Acq: 09 Jan 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :

VNJ-210

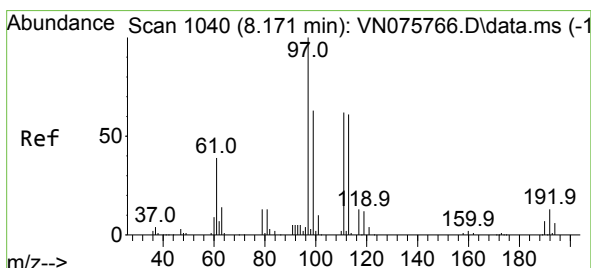
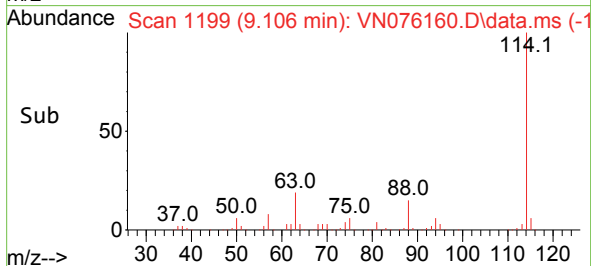
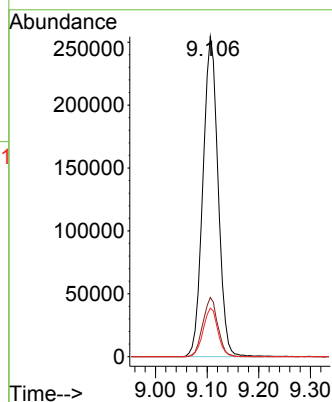
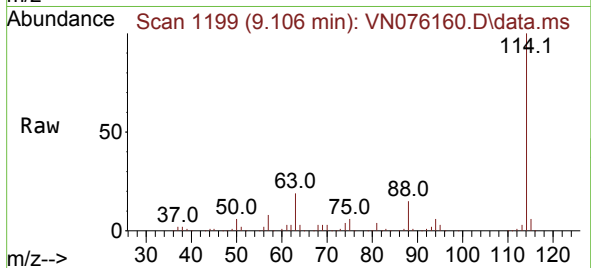
Tgt Ion:114 Resp: 518071

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.4

88 15.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.314 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN076160.D

Acq: 09 Jan 2023 16:52

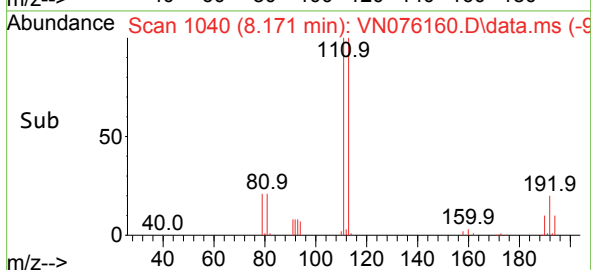
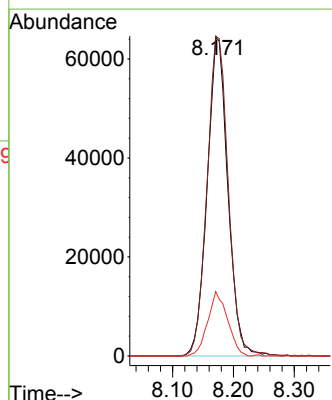
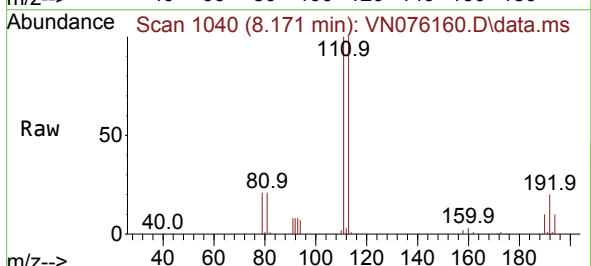
Tgt Ion:113 Resp: 151800

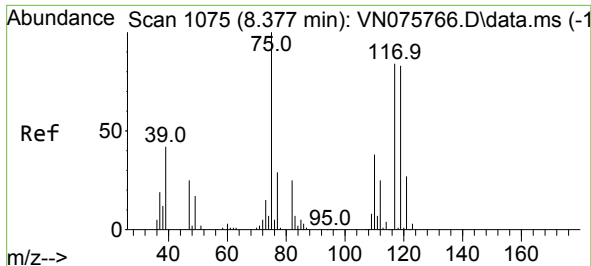
Ion Ratio Lower Upper

113 100

111 102.8 83.4 125.2

192 19.4 16.1 24.1

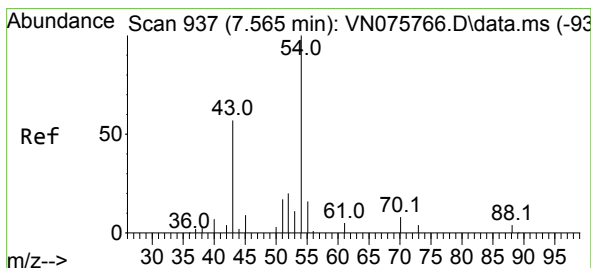
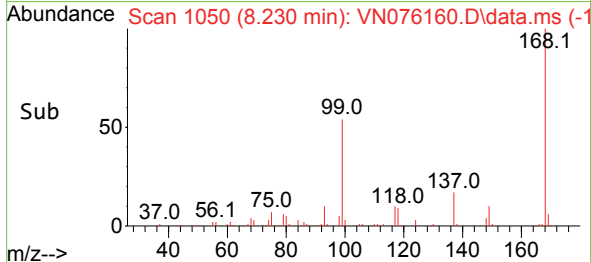
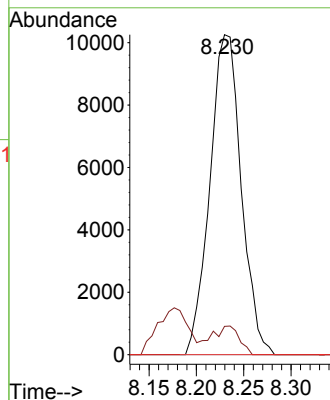
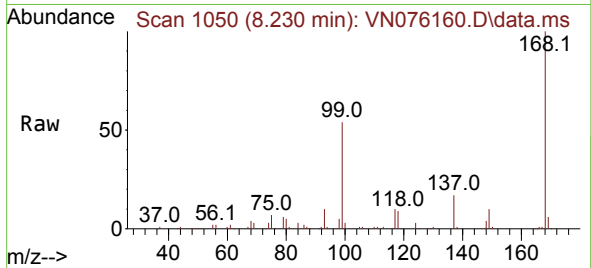




#36
1,1-Dichloropropene
Concen: 5.544 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

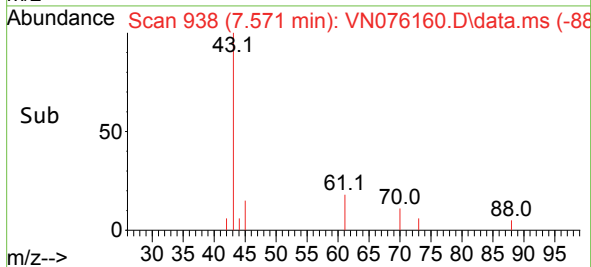
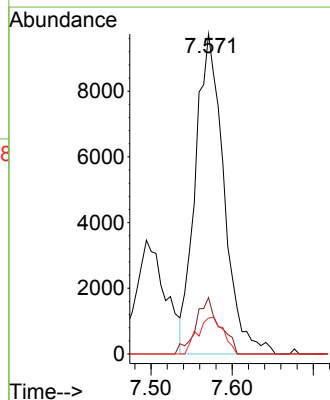
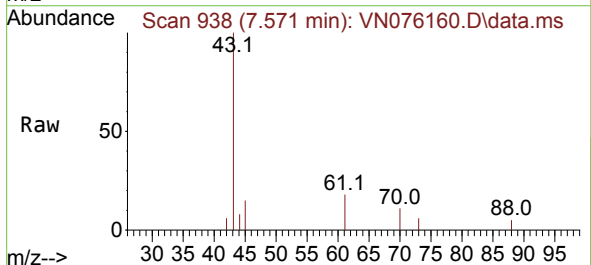
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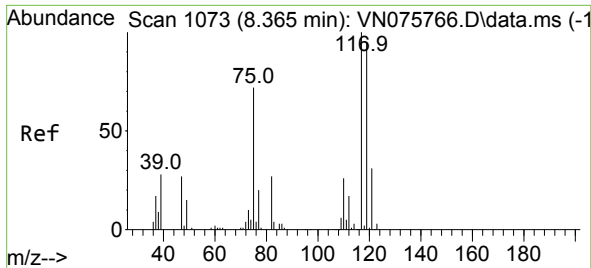
Tgt Ion: 75 Resp: 23627
Ion Ratio Lower Upper
75 100
110 7.5 18.8 56.4#
77 0.0 24.1 36.1#



#37
Ethyl Acetate
Concen: 6.944 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

Tgt Ion: 43 Resp: 23773
Ion Ratio Lower Upper
43 100
61 14.7 13.0 19.4
70 10.4 9.4 14.0

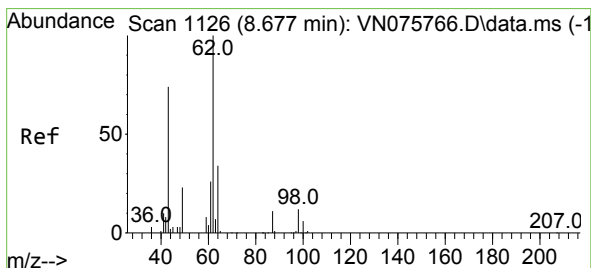
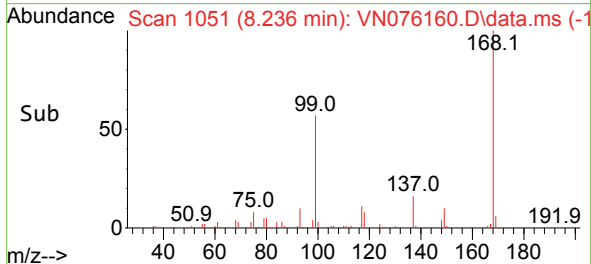
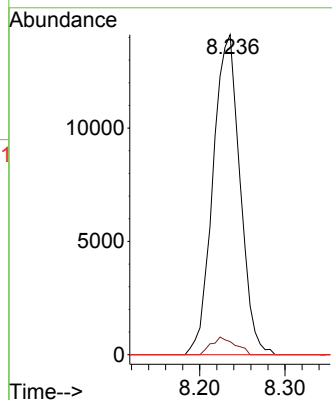
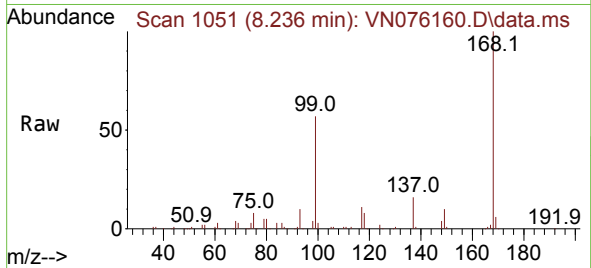




#38
Carbon Tetrachloride
Concen: 6.521 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

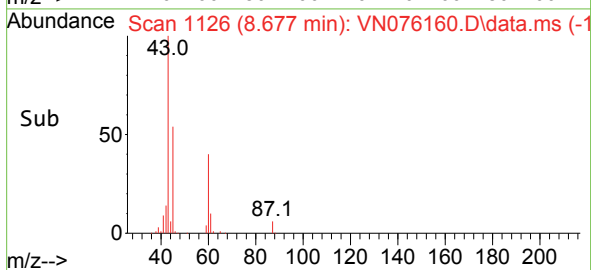
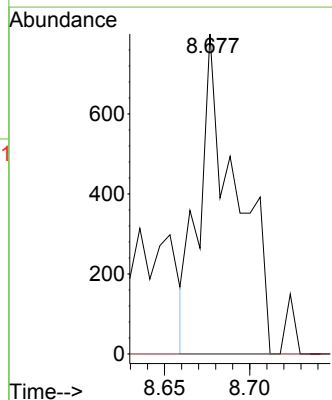
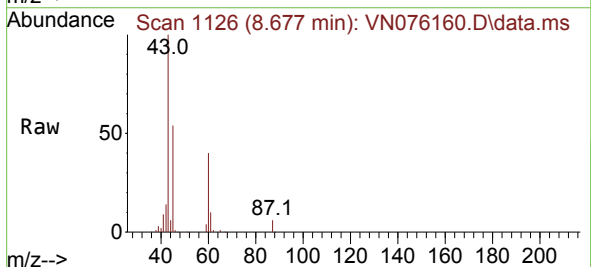
Instrument :
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ClientSampleId :
VNJ-210

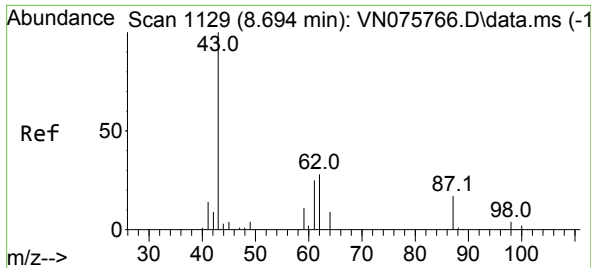
Tgt Ion:117 Resp: 31104
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.5 36.7#



#42
1,2-Dichloroethane
Concen: 0.275 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

Tgt Ion: 62 Resp: 1201
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8

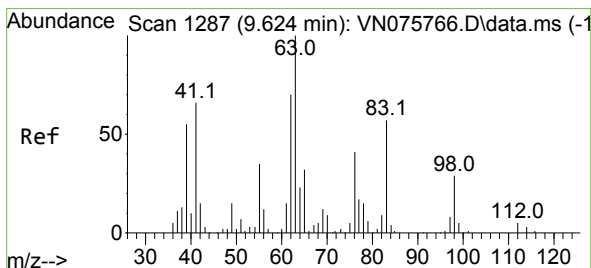
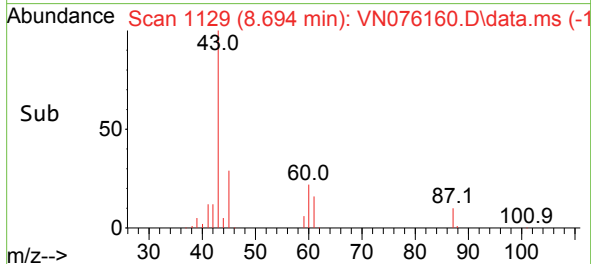
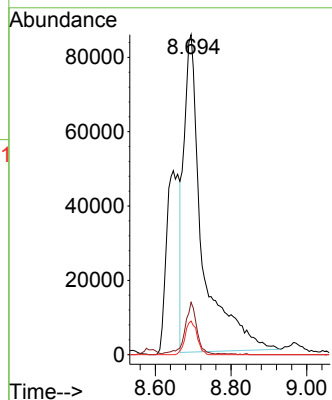
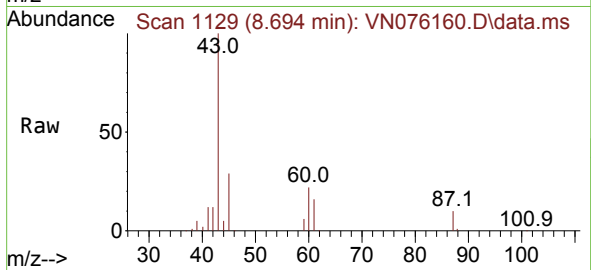




#43
Isopropyl Acetate
Concen: 51.654 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

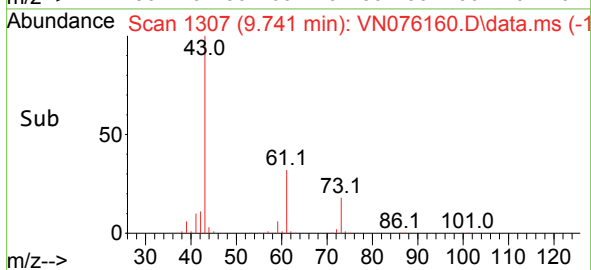
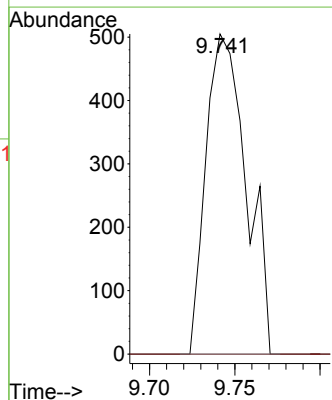
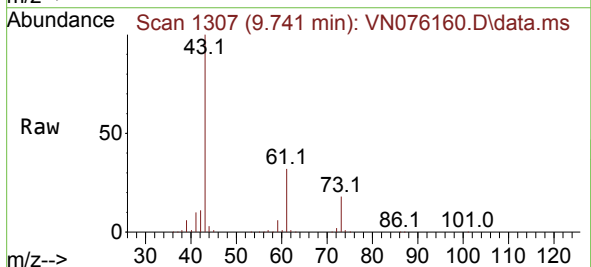
Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

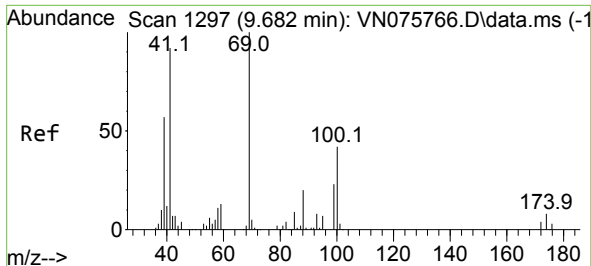
Tgt Ion: 43 Resp: 291700
Ion Ratio Lower Upper
43 100
61 10.3 24.2 36.4#
87 6.7 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.261 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.118 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

Tgt Ion: 63 Resp: 834
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

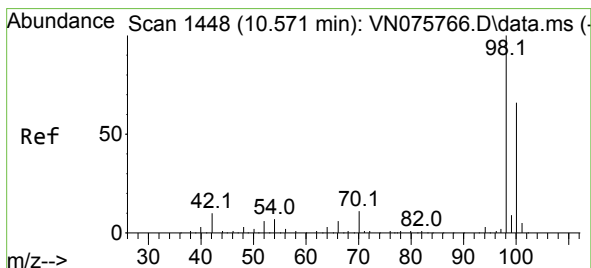
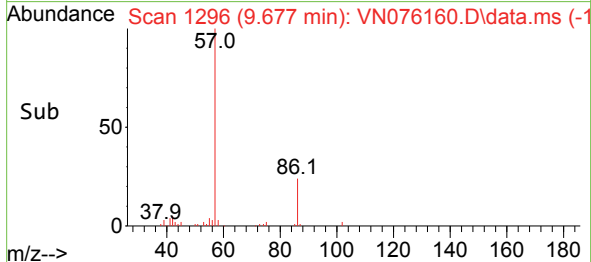
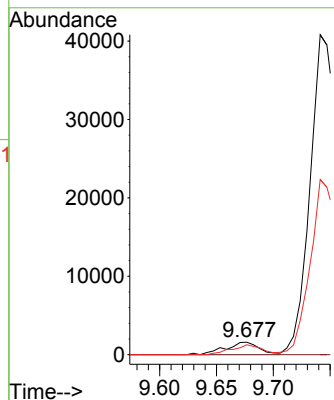
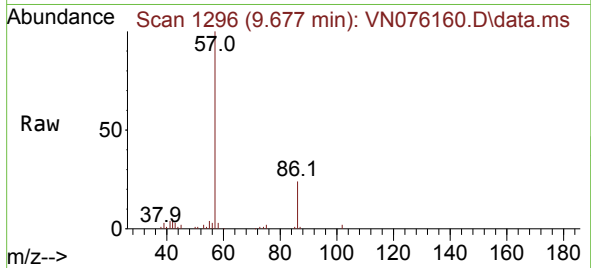




#48
Methyl methacrylate
Concen: 1.314 ug/l
RT: 9.677 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

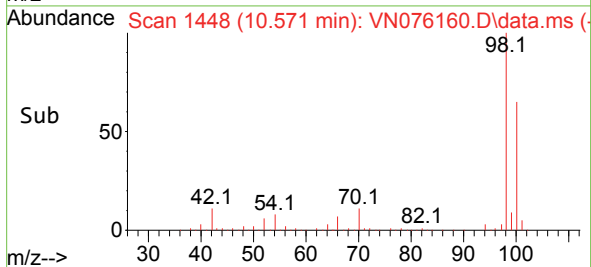
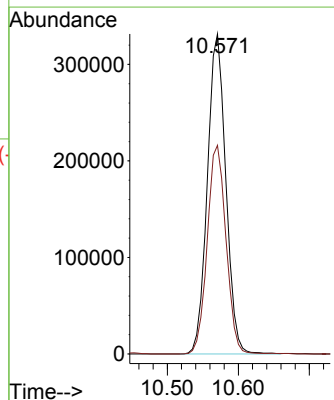
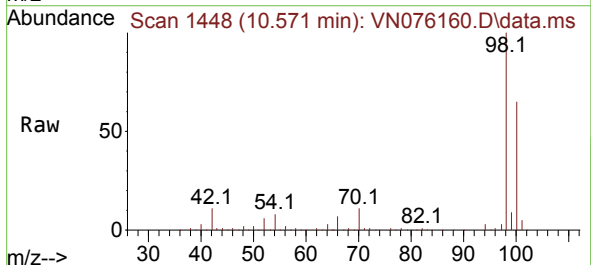
Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

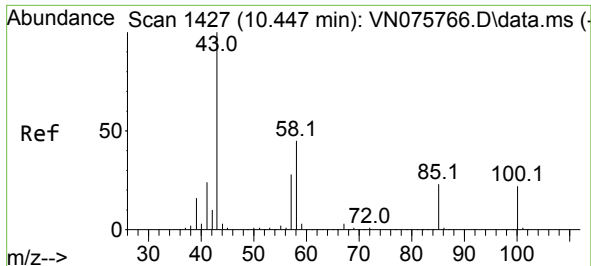
Tgt Ion: 41 Resp: 3342
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 69.9 51.6 77.4



#50
Toluene-d8
Concen: 49.936 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

Tgt Ion: 98 Resp: 599011
Ion Ratio Lower Upper
98 100
100 66.3 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 3.985 ug/l

RT: 10.447 min Scan# 1412

Delta R.T. 0.000 min

Lab File: VN076160.D

Acq: 09 Jan 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :

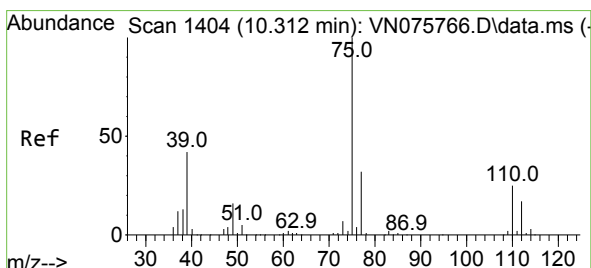
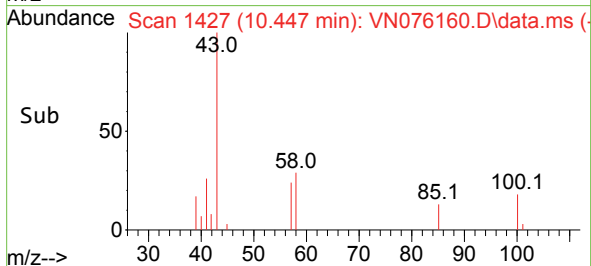
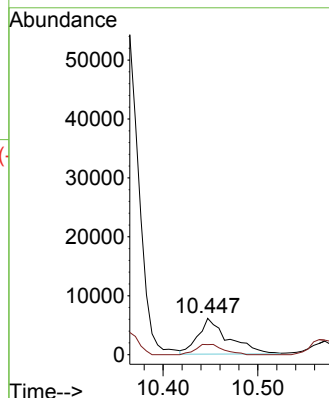
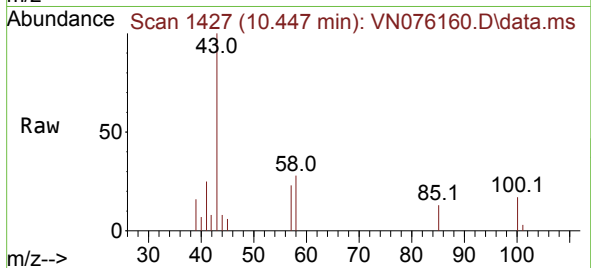
VNJ-210

Tgt Ion: 43 Resp: 13609

Ion Ratio Lower Upper

43 100

58 26.1 35.5 53.3#



#54

cis-1,3-Dichloropropene

Concen: 10.904 ug/l

RT: 10.365 min Scan# 1413

Delta R.T. 0.053 min

Lab File: VN076160.D

Acq: 09 Jan 2023 16:52

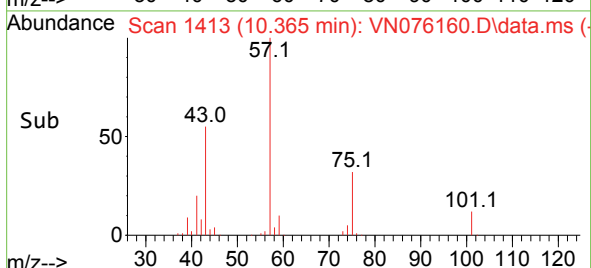
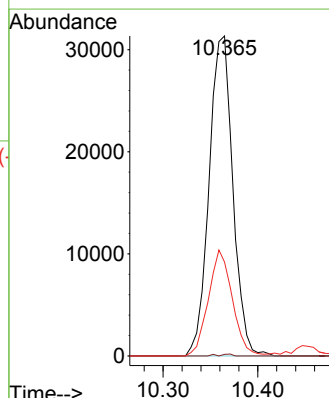
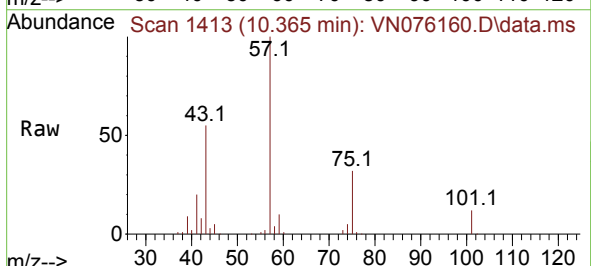
Tgt Ion: 75 Resp: 54544

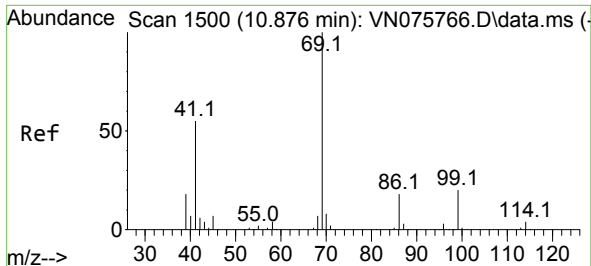
Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.8#

39 29.4 33.4 50.2#

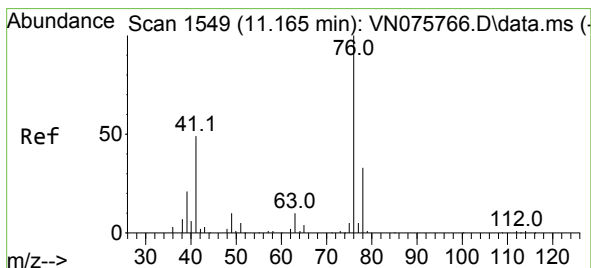
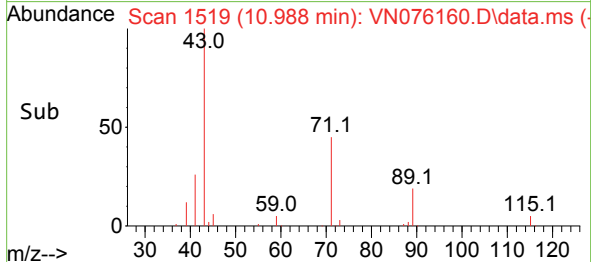
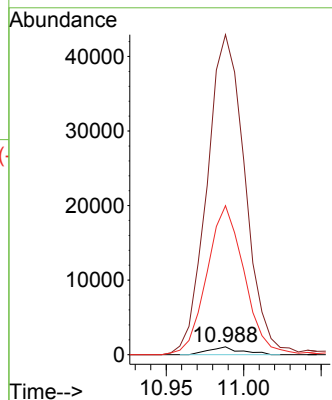
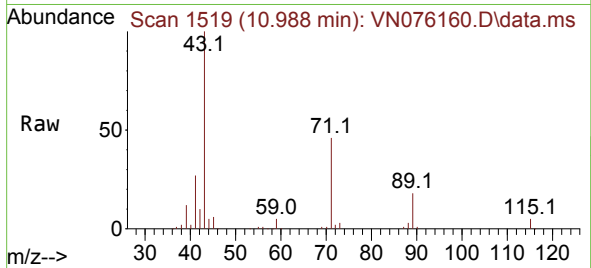




#56
Ethyl methacrylate
Concen: 0.335 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

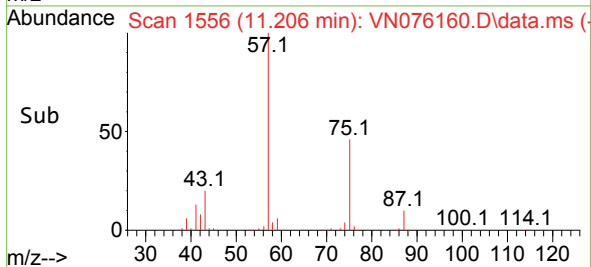
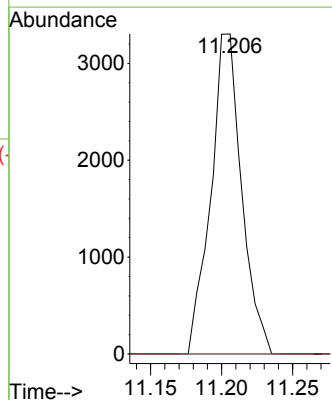
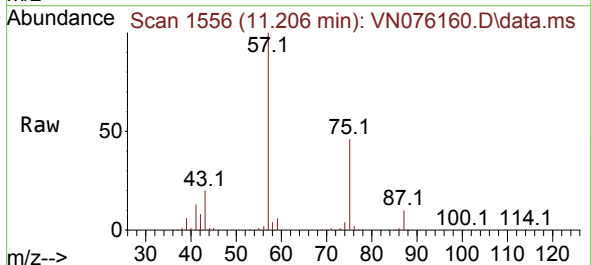
Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

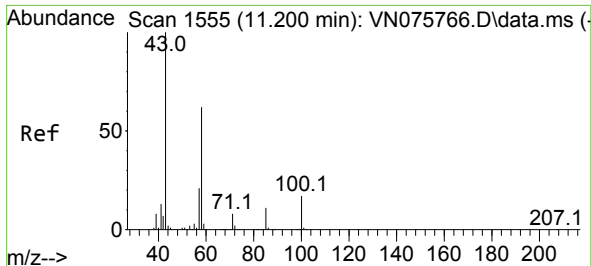
Tgt Ion: 69 Resp: 1497
Ion Ratio Lower Upper
69 100
41 4922.5 44.2 66.4#
39 2249.6 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 0.904 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

Tgt Ion: 76 Resp: 4987
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

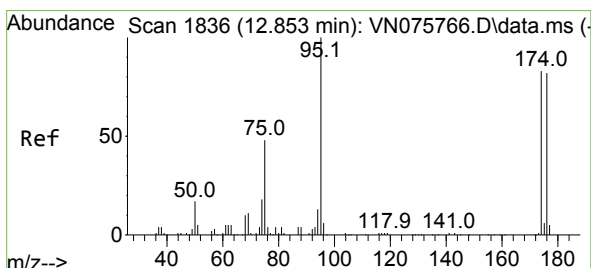
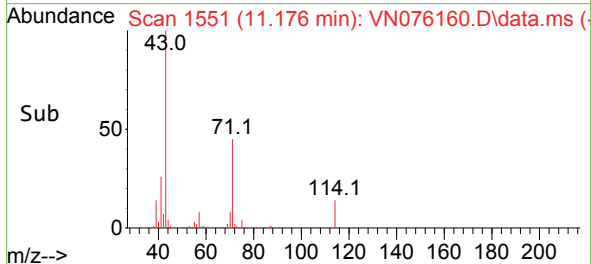
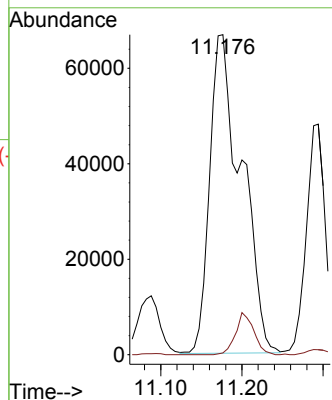
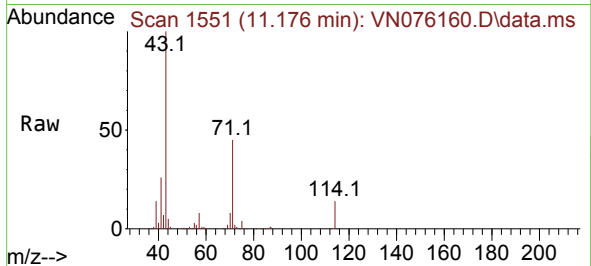




#59
2-Hexanone
Concen: 72.793 ug/l
RT: 11.176 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

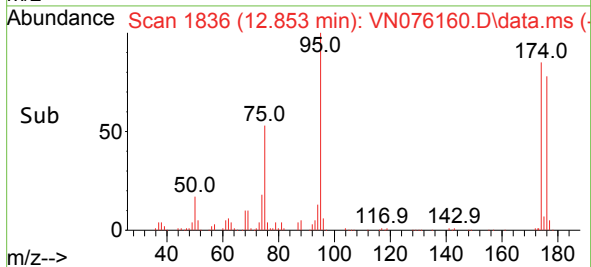
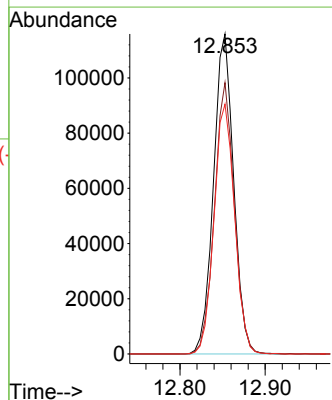
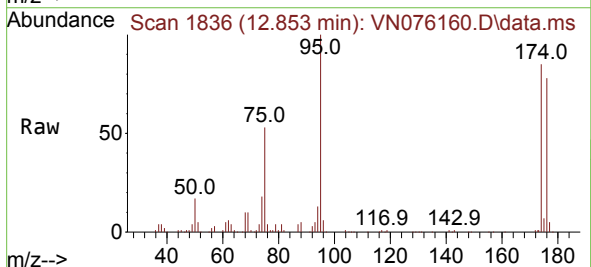
Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

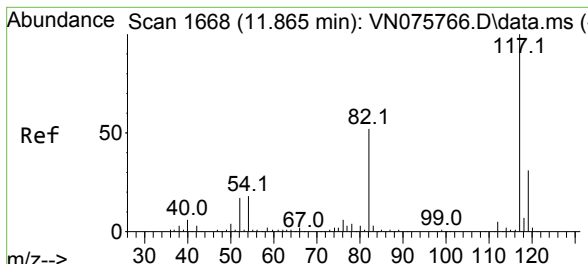
Tgt Ion: 43 Resp: 181295
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 47.883 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

Tgt Ion: 95 Resp: 190242
Ion Ratio Lower Upper
95 100
174 83.8 0.0 171.6
176 79.8 0.0 169.2

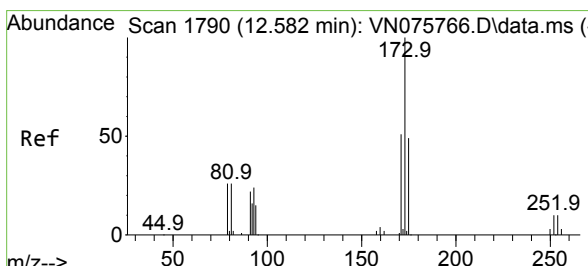
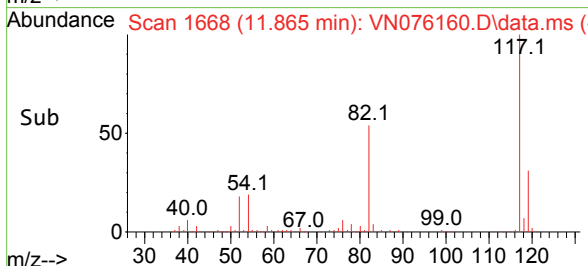
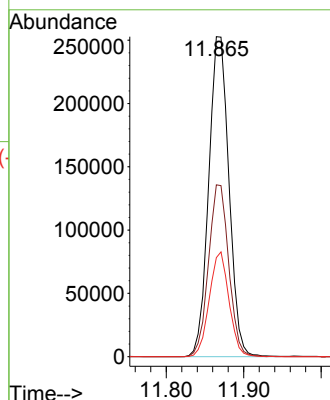
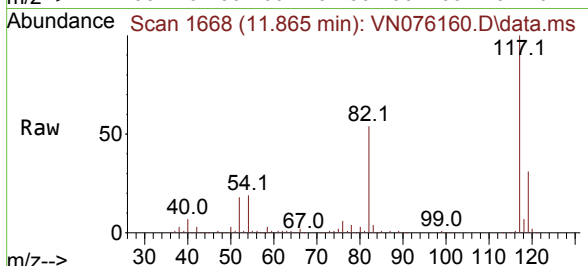




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

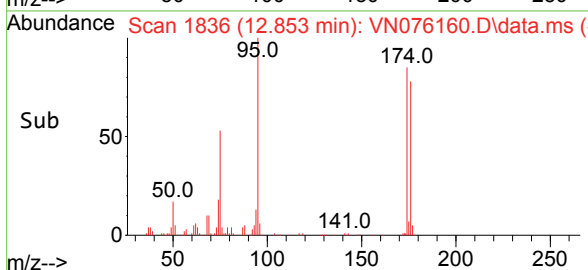
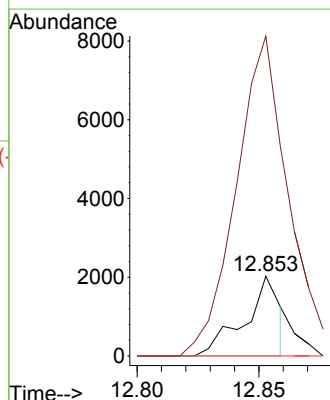
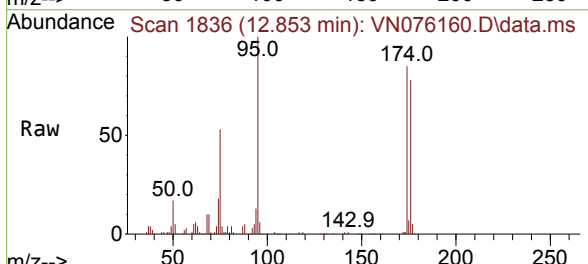
Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

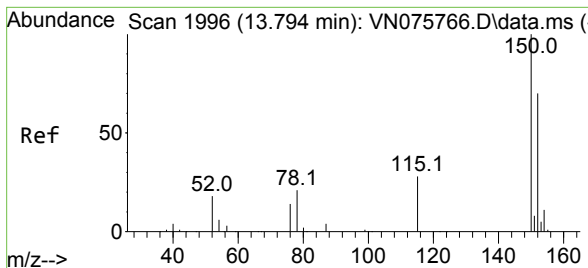
Tgt Ion:117 Resp: 458797
Ion Ratio Lower Upper
117 100
82 53.7 41.3 61.9
119 31.0 24.6 37.0



#71
Bromoform
Concen: 0.801 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

Tgt Ion:173 Resp: 2032
Ion Ratio Lower Upper
173 100
175 492.8 24.3 72.8#
254 0.0 0.0 0.0

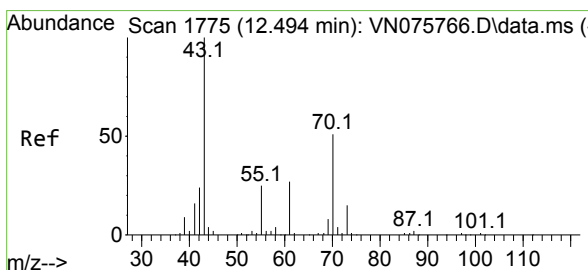
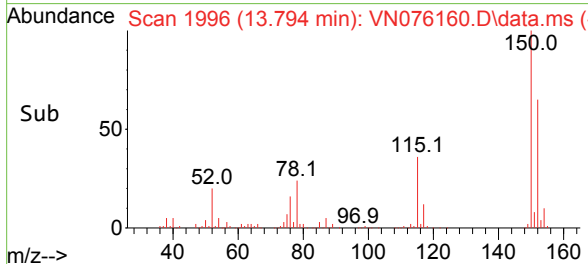
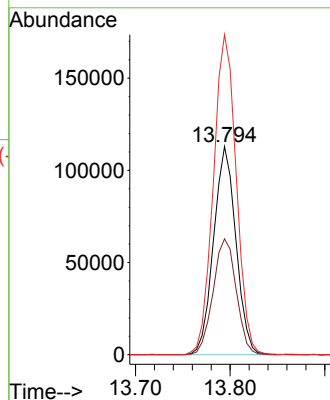
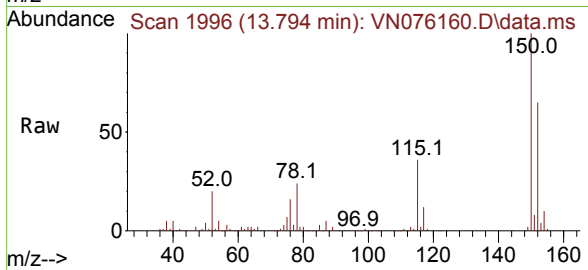




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN076160.D
 Acq: 09 Jan 2023 16:52

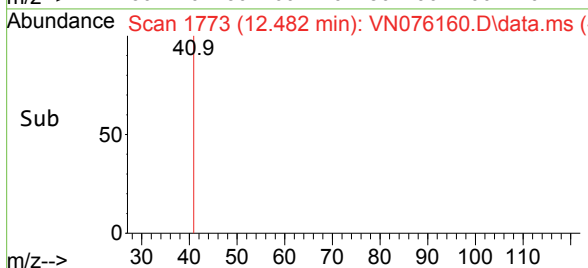
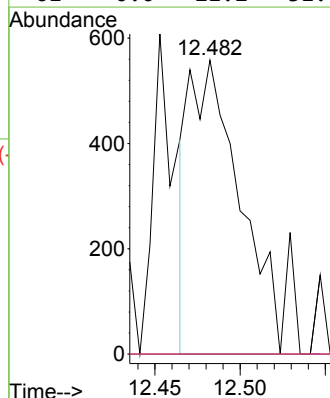
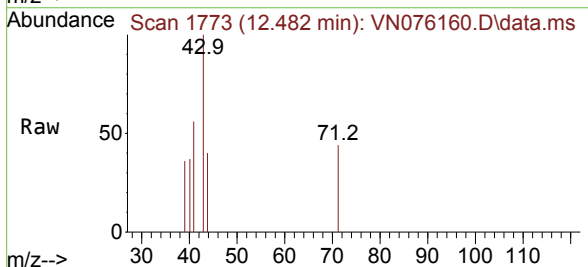
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-210

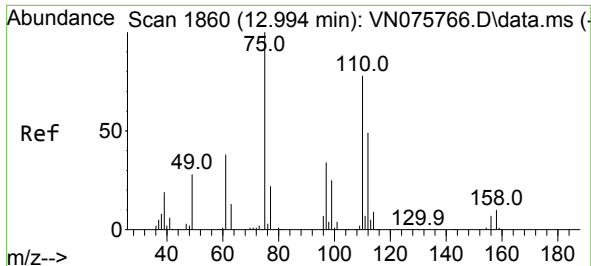
Tgt Ion:152 Resp: 184990
 Ion Ratio Lower Upper
 152 100
 115 57.6 29.1 87.4
 150 157.6 0.0 347.0



#74
 N-ethyl acetate
 Concen: 0.294 ug/l
 RT: 12.482 min Scan# 1773
 Delta R.T. -0.012 min
 Lab File: VN076160.D
 Acq: 09 Jan 2023 16:52

Tgt Ion: 43 Resp: 1154
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.4 62.0#
 55 0.0 21.3 31.9#
 61 0.0 21.2 31.8#

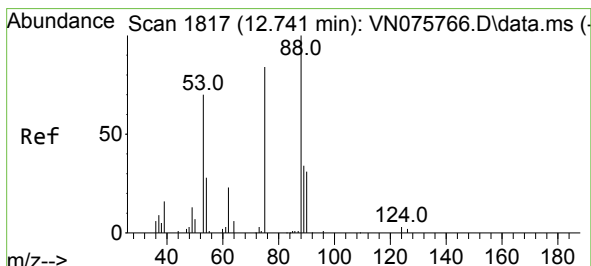
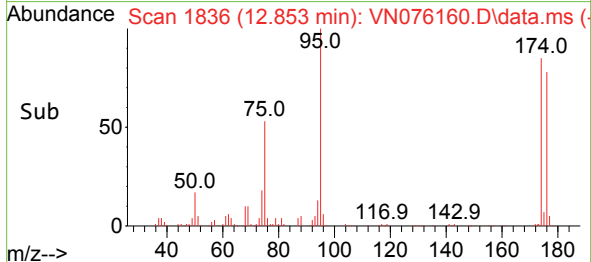
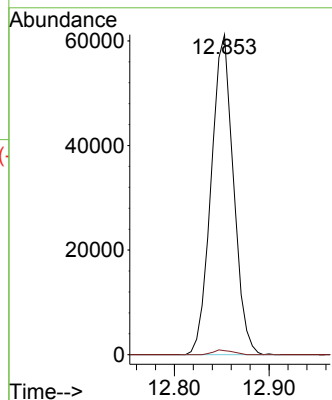
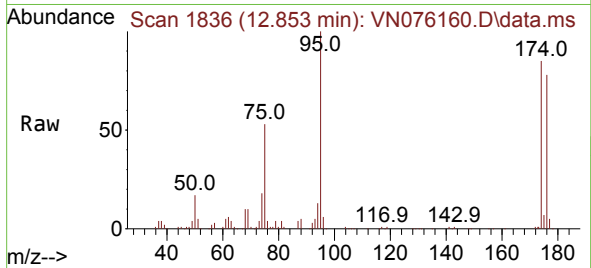




#76
1,2,3-Trichloropropane
Concen: 26.818 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

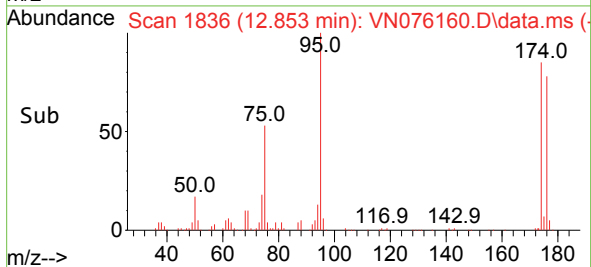
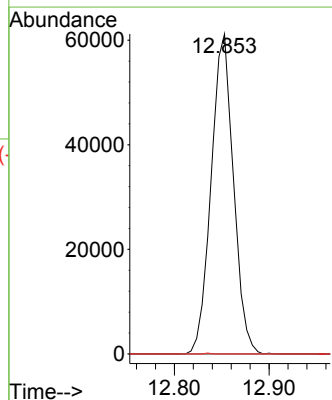
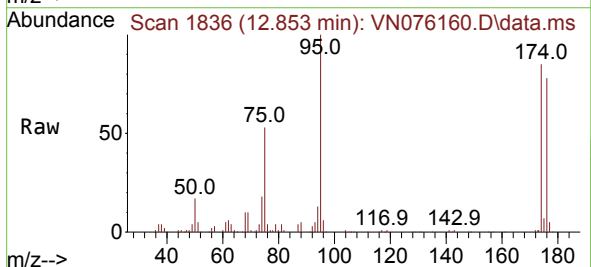
Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

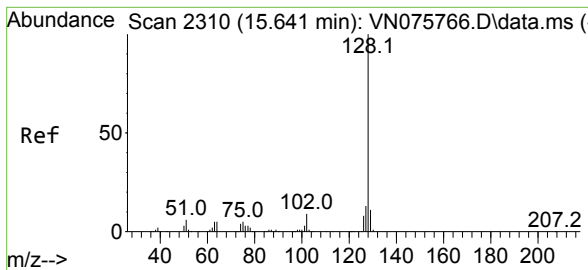
Tgt Ion: 75 Resp: 100004
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.532 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

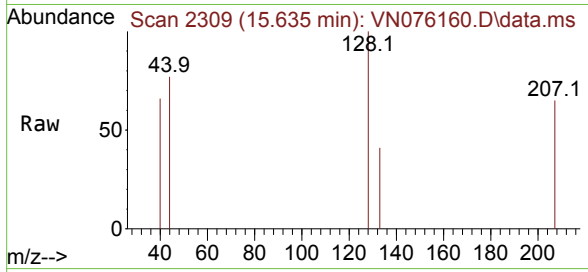
Tgt Ion: 75 Resp: 100004
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.1 39.5 59.3#





#95
Naphthalene
Concen: 2.213 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN076160.D
Acq: 09 Jan 2023 16:52

Instrument :
MSVOA_N
ClientSampleId :
VNJ-210



Tgt Ion:128 Resp: 373
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

