

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011323\
 Data File : VN076244.D
 Acq On : 13 Jan 2023 13:26
 Operator : JC\MD
 Sample : 01129-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-207

Quant Time: Jan 16 01:07:10 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

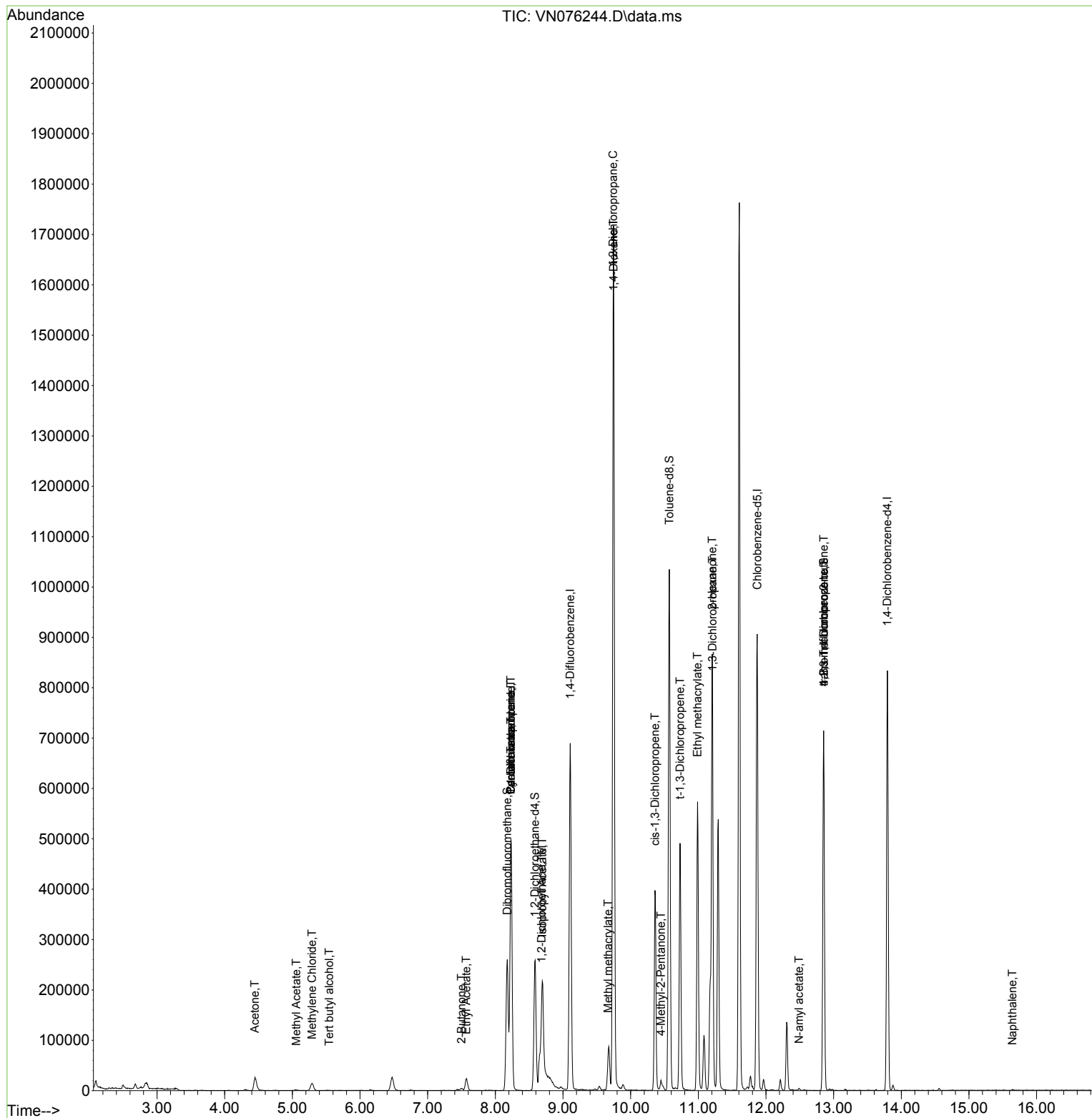
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	380025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	627473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	552321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	238934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	212504	51.400	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.800%	
35) Dibromofluoromethane	8.177	113	188065	48.397	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.800%	
50) Toluene-d8	10.570	98	733967	50.518	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.040%	
62) 4-Bromofluorobenzene	12.853	95	232536	48.323	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.640%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.541	59	321	0.549	ug/l #	72
16) Acetone	4.447	43	48095	33.747	ug/l	94
18) Methyl Acetate	5.059	43	3012	0.715	ug/l #	76
20) Methylene Chloride	5.288	84	12167	2.584	ug/l #	93
25) 2-Butanone	7.500	43	6861	3.438	ug/l #	83
31) Cyclohexane	8.229	56	7603	1.284	ug/l #	30
36) 1,1-Dichloropropene	8.229	75	29082	5.634	ug/l #	48
37) Ethyl Acetate	7.571	43	35447	8.549	ug/l	97
38) Carbon Tetrachloride	8.229	117	38475	6.660	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	1627	0.307	ug/l #	72
43) Isopropyl Acetate	8.694	43	352560	51.546	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	2155	0.556	ug/l #	43
48) Methyl methacrylate	9.665	41	4731	1.536	ug/l #	36
49) 1,4-Dioxane	9.747	88	234	3.090	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	16468	3.981	ug/l #	75
53) t-1,3-Dichloropropene	10.729	75	1298	0.235	ug/l #	62
54) cis-1,3-Dichloropropene	10.359	75	78326	12.928	ug/l #	65
56) Ethyl methacrylate	10.988	69	1778	0.329	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	9343	1.399	ug/l #	42
59) 2-Hexanone	11.206	43	96714	32.062	ug/l #	52
74) N-amyl acetate	12.488	43	2683	0.530	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	122143	25.360	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	122143	91.284	ug/l #	12
95) Naphthalene	15.641	128	1614	2.296	ug/l #	76

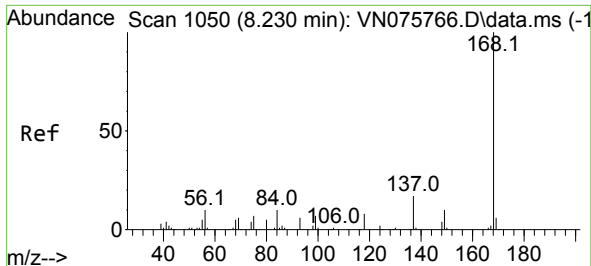
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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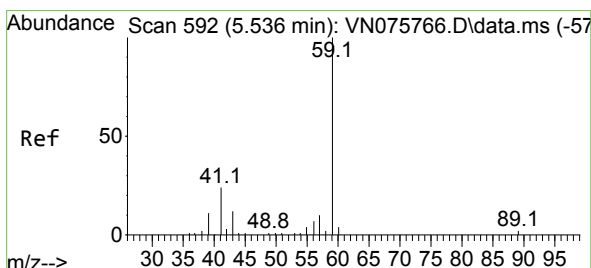
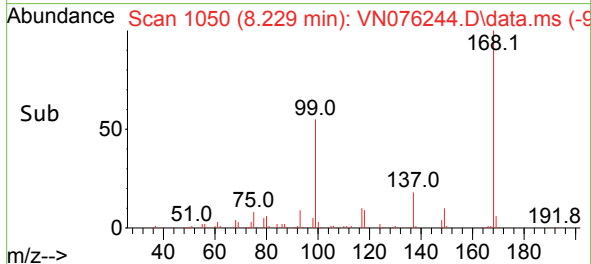
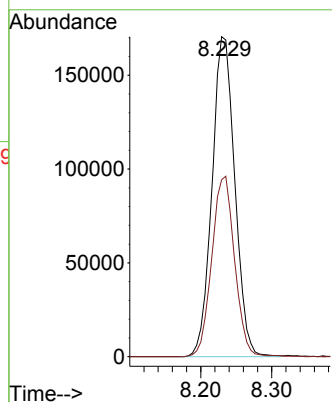
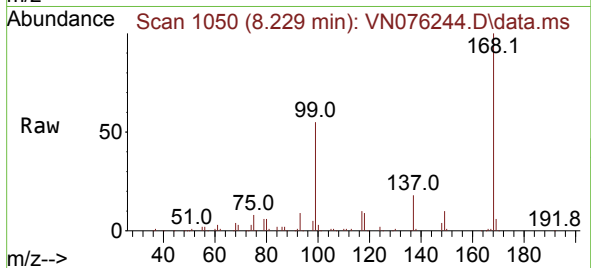




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

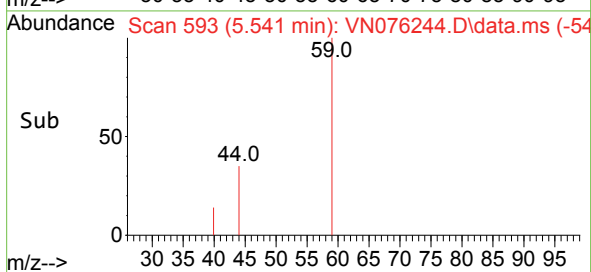
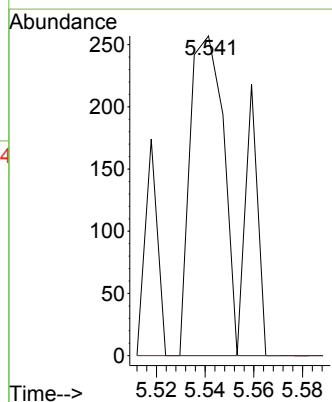
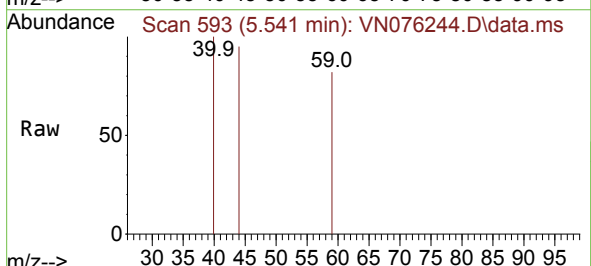
Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

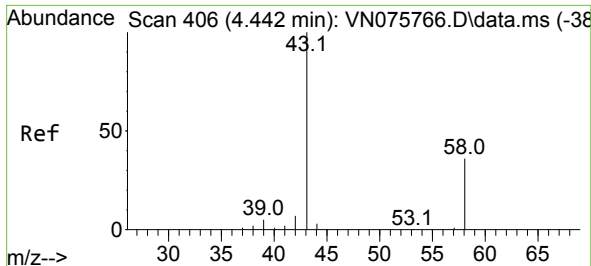
Tgt Ion:168 Resp: 380025
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.549 ug/l
RT: 5.541 min Scan# 593
Delta R.T. 0.006 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Tgt Ion: 59 Resp: 321
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 33.747 ug/l

RT: 4.447 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN076244.D

Acq: 13 Jan 2023 13:26

Instrument :

MSVOA_N

ClientSampleId :

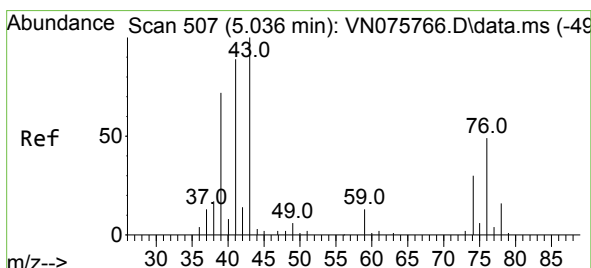
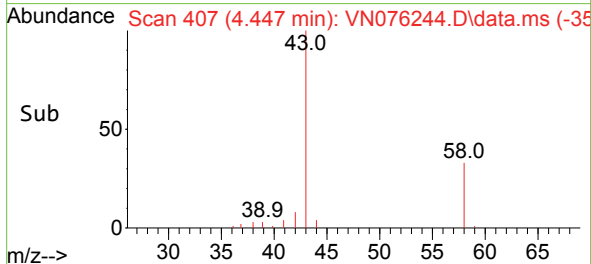
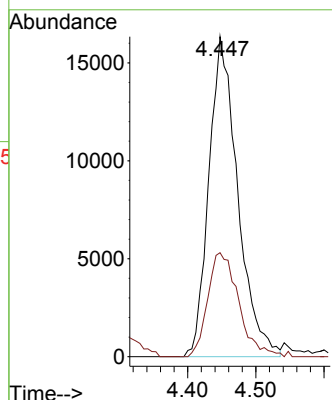
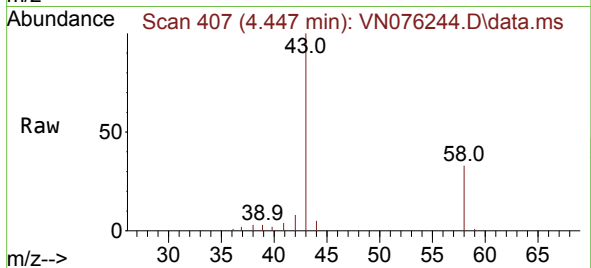
VNJ-207

Tgt Ion: 43 Resp: 48095

Ion Ratio Lower Upper

43 100

58 32.5 28.6 43.0



#18

Methyl Acetate

Concen: 0.715 ug/l

RT: 5.059 min Scan# 511

Delta R.T. 0.023 min

Lab File: VN076244.D

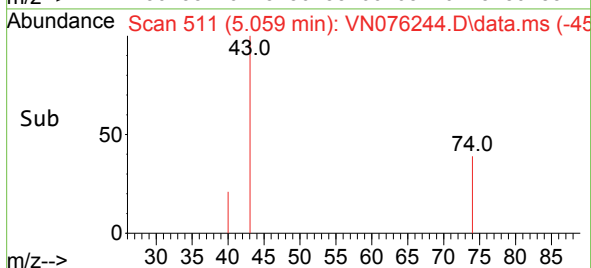
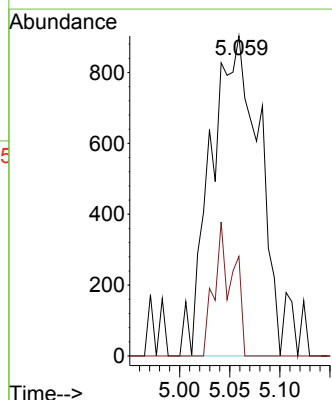
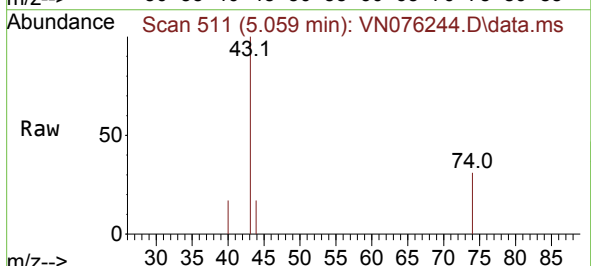
Acq: 13 Jan 2023 13:26

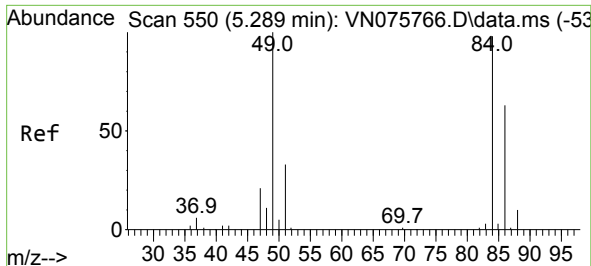
Tgt Ion: 43 Resp: 3012

Ion Ratio Lower Upper

43 100

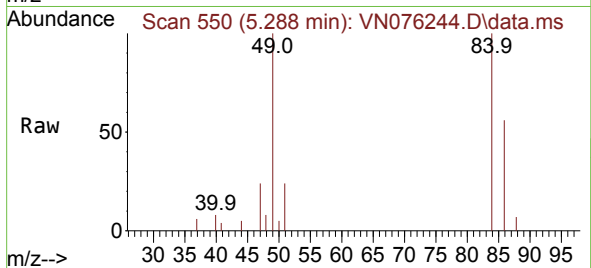
74 16.5 23.6 35.4#





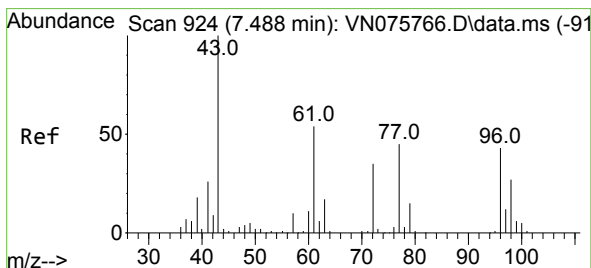
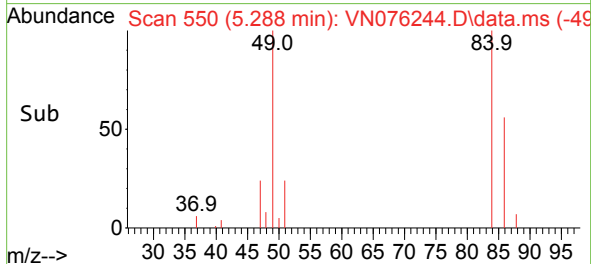
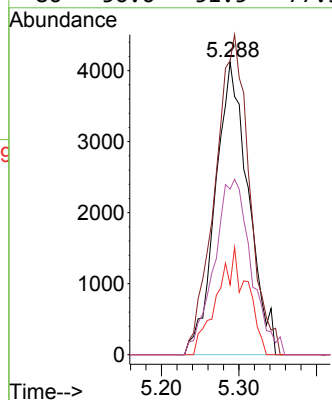
#20
Methylene Chloride
Concen: 2.584 ug/l
RT: 5.288 min Scan# 511
Delta R.T. -0.001 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Instrument :
MSVOA_N
ClientSampleId :
VNJ-207



Tgt Ion: 84 Resp: 12167

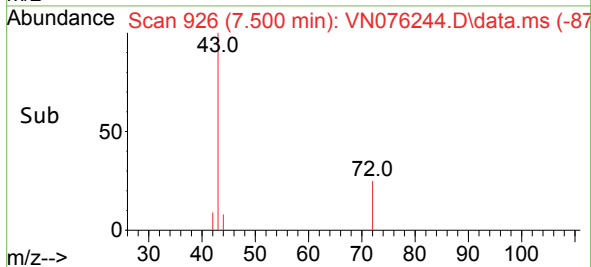
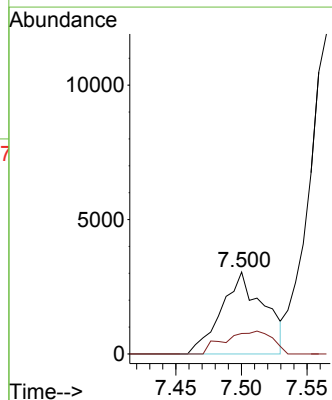
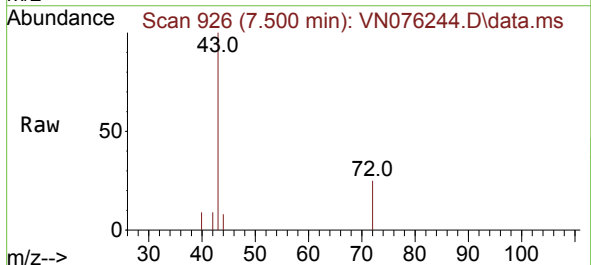
Ion	Ratio	Lower	Upper
84	100		
49	100.5	81.8	122.6
51	23.9	26.7	40.1#
86	56.6	51.5	77.3

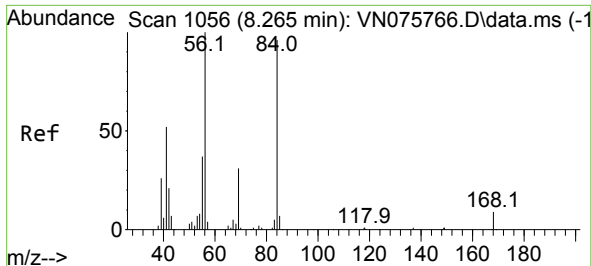


#25
2-Butanone
Concen: 3.438 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Tgt Ion: 43 Resp: 6861

Ion	Ratio	Lower	Upper
43	100		
72	24.9	28.0	42.0#

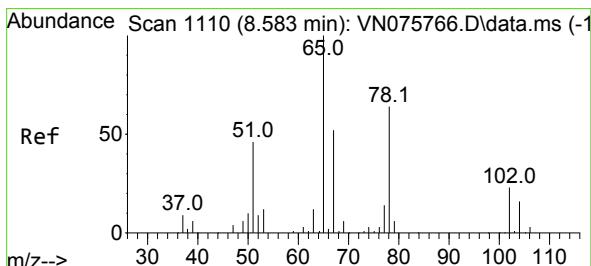
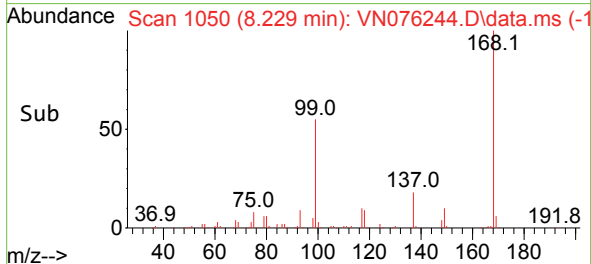
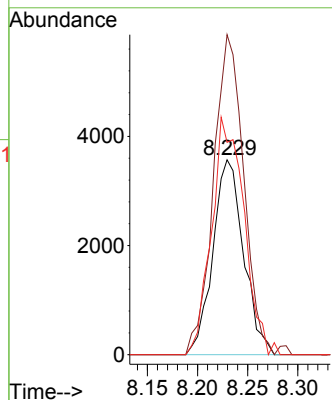
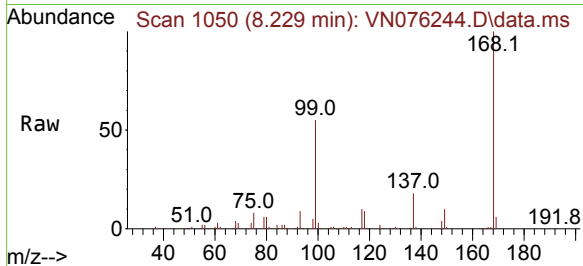




#31
Cyclohexane
Concen: 1.284 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

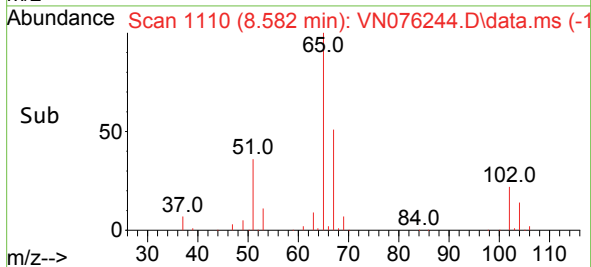
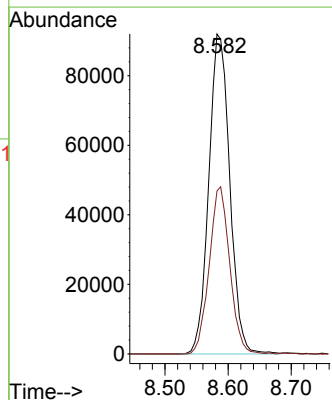
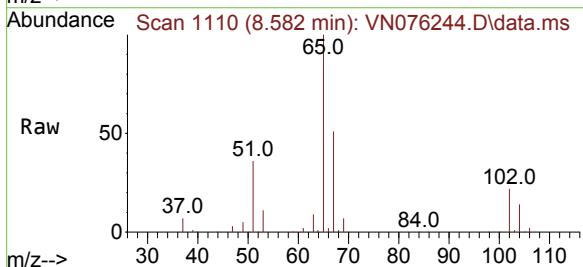
Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

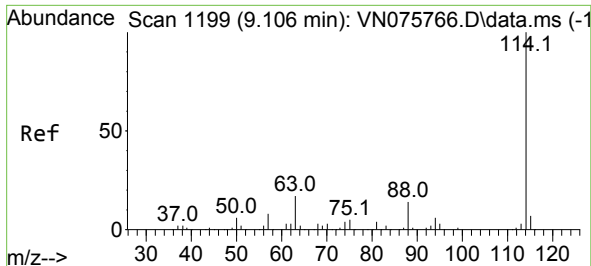
Tgt Ion: 56 Resp: 7603
Ion Ratio Lower Upper
56 100
69 164.2 24.7 37.1#
84 108.9 76.5 114.7



#33
1,2-Dichloroethane-d4
Concen: 51.400 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Tgt Ion: 65 Resp: 212504
Ion Ratio Lower Upper
65 100
67 51.1 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: VN076244.D

Acq: 13 Jan 2023 13:26

Instrument :

MSVOA_N

ClientSampleId :

VNJ-207

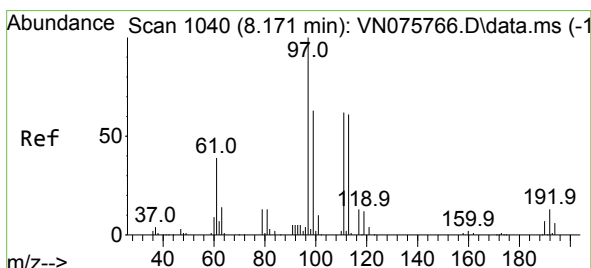
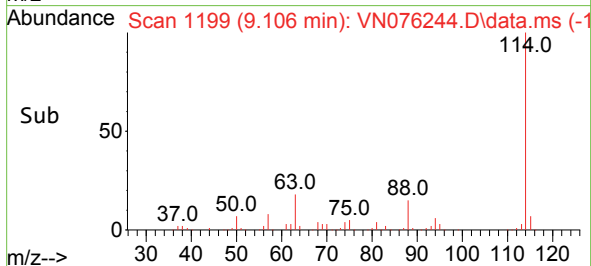
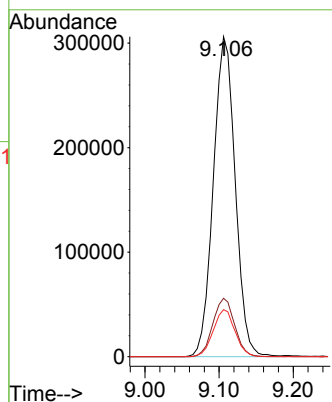
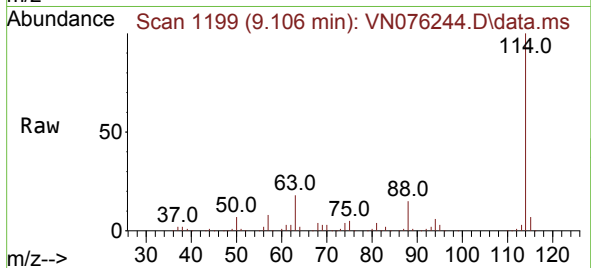
Tgt Ion:114 Resp: 627473

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.4

88 14.7 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.397 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076244.D

Acq: 13 Jan 2023 13:26

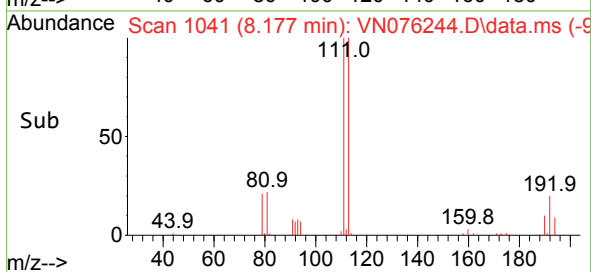
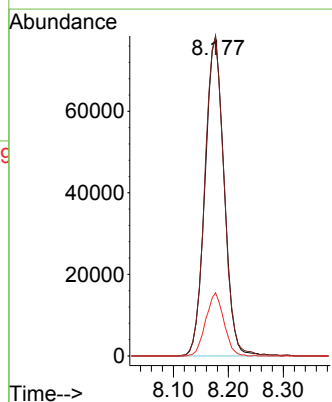
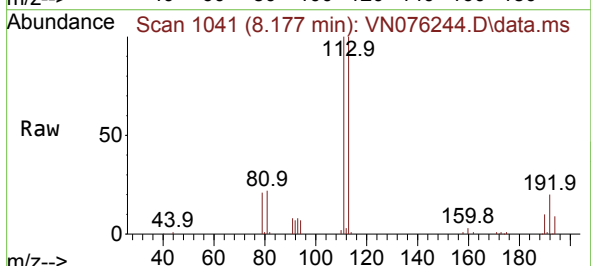
Tgt Ion:113 Resp: 188065

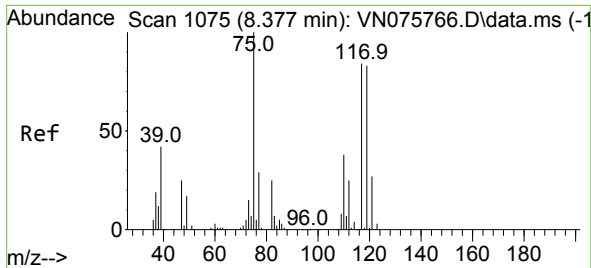
Ion Ratio Lower Upper

113 100

111 101.2 83.4 125.2

192 18.9 16.1 24.1

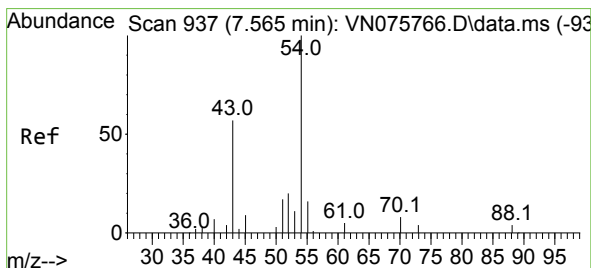
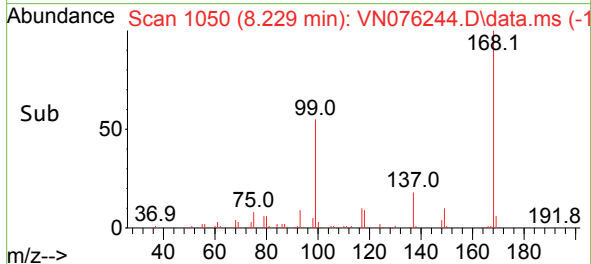
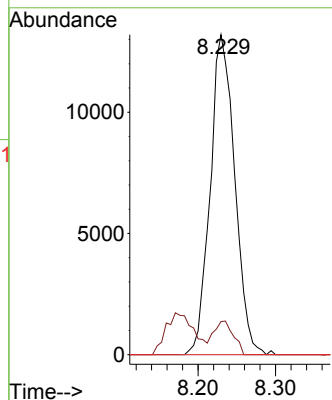
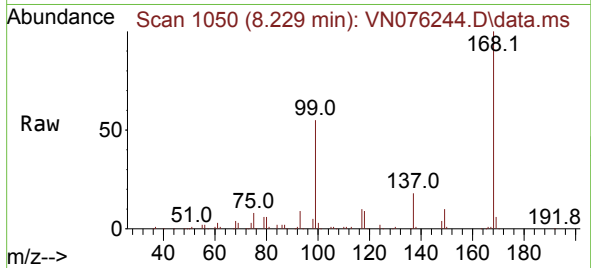




#36
1,1-Dichloropropene
Concen: 5.634 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

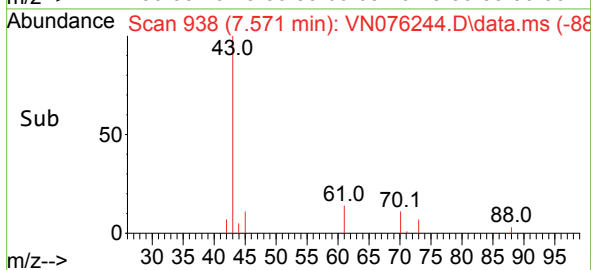
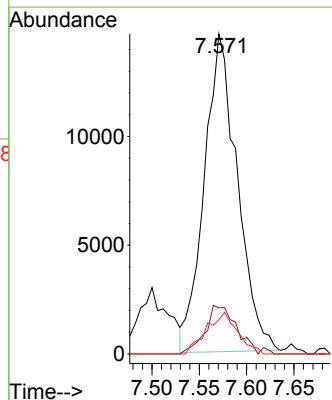
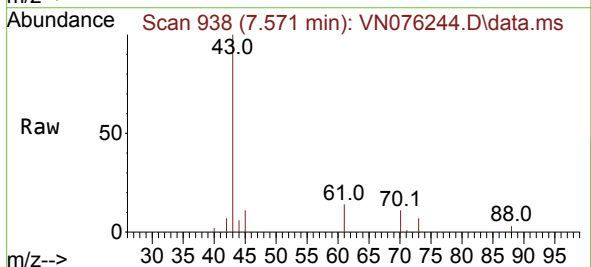
Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

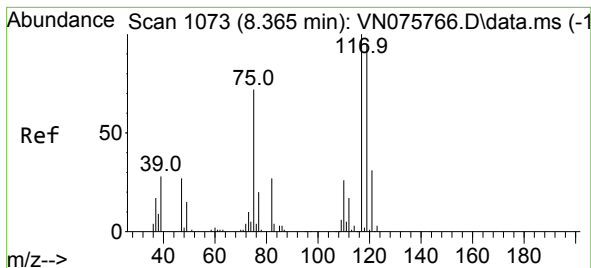
Tgt Ion: 75 Resp: 29082
Ion Ratio Lower Upper
75 100
110 8.4 18.8 56.4#
77 0.0 24.1 36.1#



#37
Ethyl Acetate
Concen: 8.549 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Tgt Ion: 43 Resp: 35447
Ion Ratio Lower Upper
43 100
61 14.8 13.0 19.4
70 12.4 9.4 14.0





#38

Carbon Tetrachloride

Concen: 6.660 ug/l

RT: 8.229 min Scan# 110

Delta R.T. -0.135 min

Lab File: VN076244.D

Acq: 13 Jan 2023 13:26

Instrument :

MSVOA_N

ClientSampleId :

VNJ-207

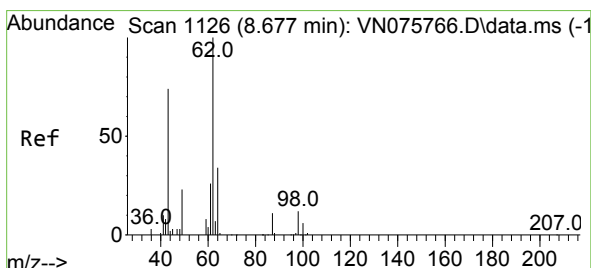
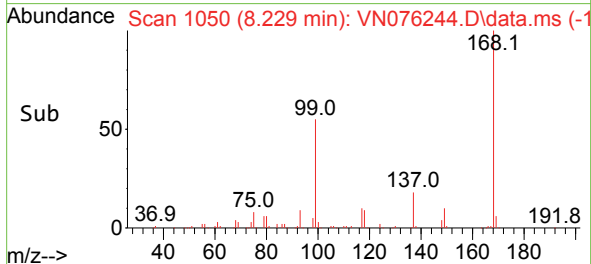
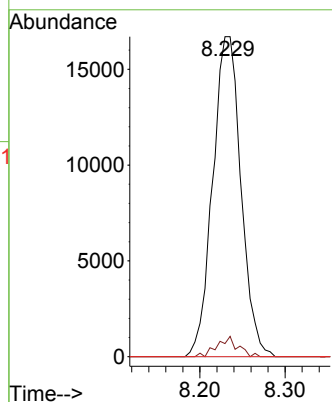
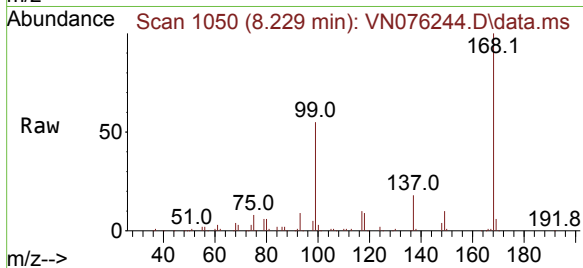
Tgt Ion:117 Resp: 38475

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: 0.307 ug/l

RT: 8.682 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN076244.D

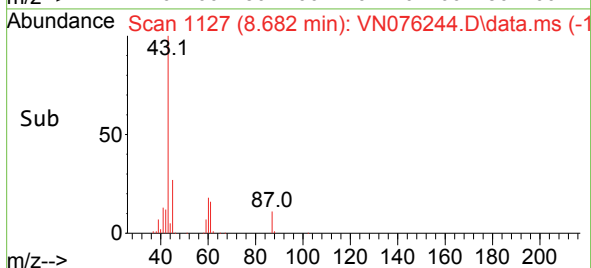
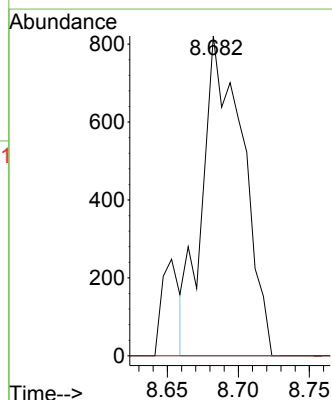
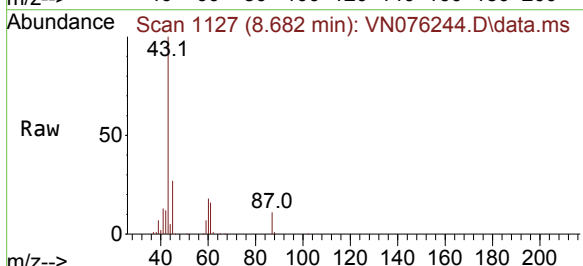
Acq: 13 Jan 2023 13:26

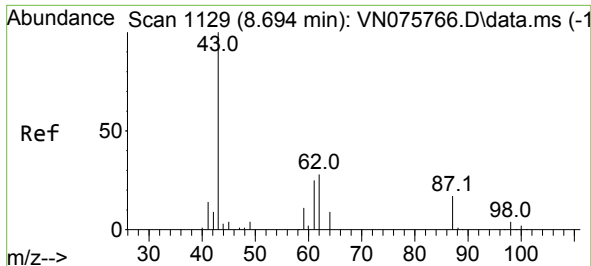
Tgt Ion: 62 Resp: 1627

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8

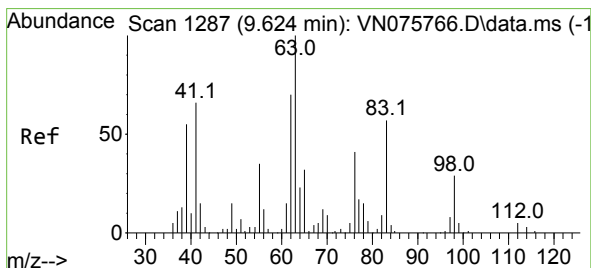
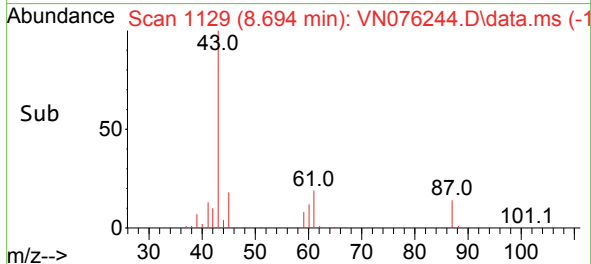
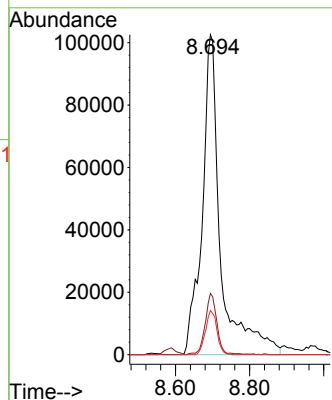
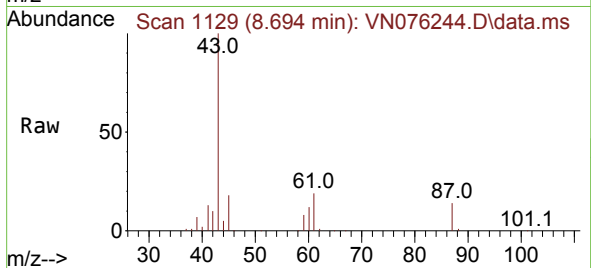




#43
Isopropyl Acetate
Concen: 51.546 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

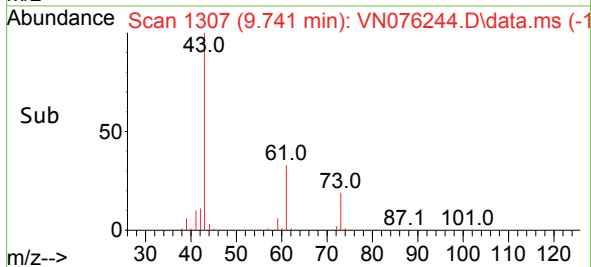
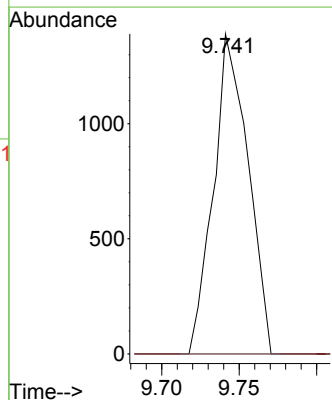
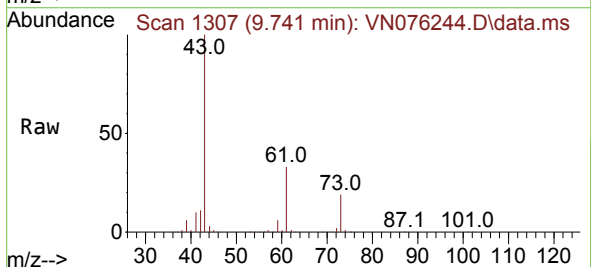
Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

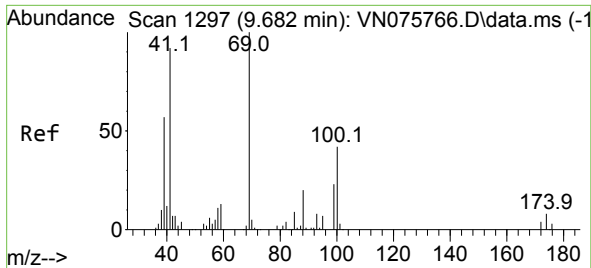
Tgt Ion: 43 Resp: 352560
Ion Ratio Lower Upper
43 100
61 12.1 24.2 36.4#
87 8.5 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.556 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Tgt Ion: 63 Resp: 2155
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

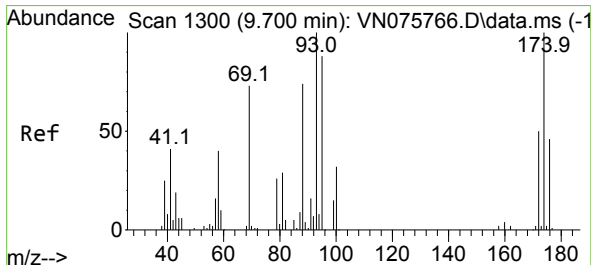
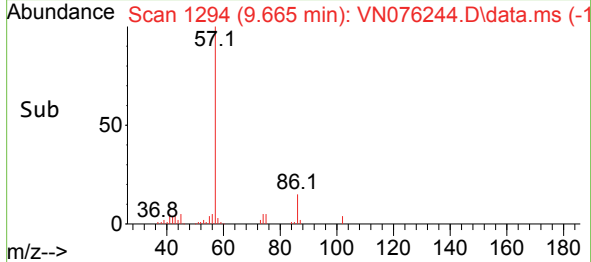
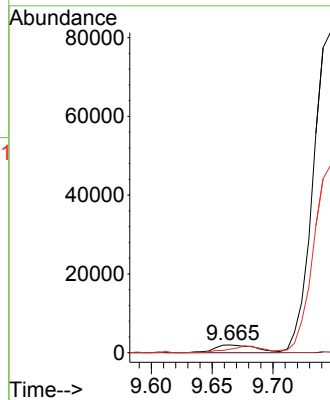
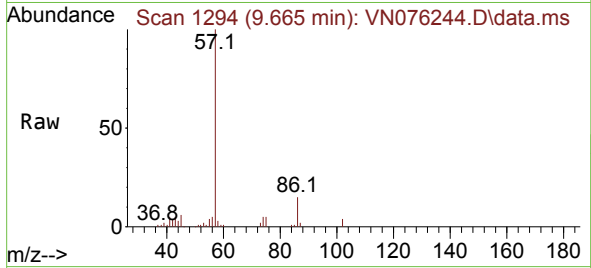




#48
Methyl methacrylate
Concen: 1.536 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

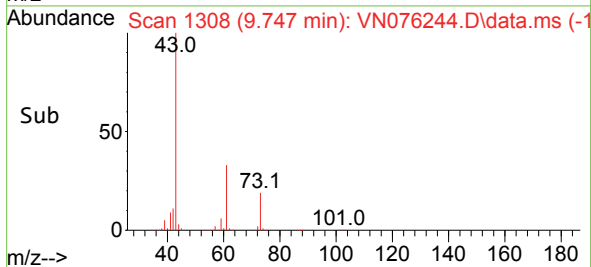
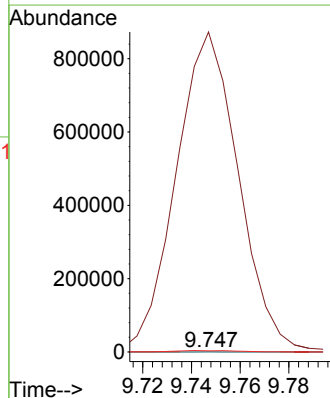
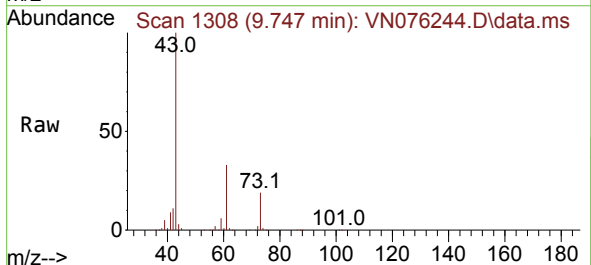
Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

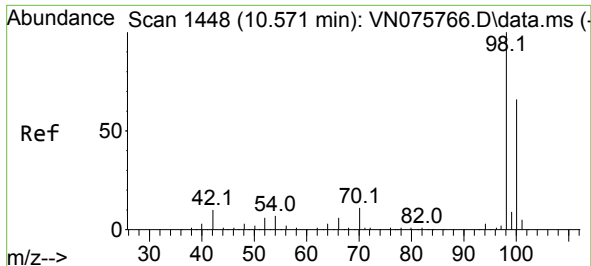
Tgt Ion: 41 Resp: 4731
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 68.4 51.6 77.4



#49
1,4-Dioxane
Concen: 3.090 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Tgt Ion: 88 Resp: 234
Ion Ratio Lower Upper
88 100
43 670448.7 17.1 25.7#
58 3071.8 47.8 71.8#

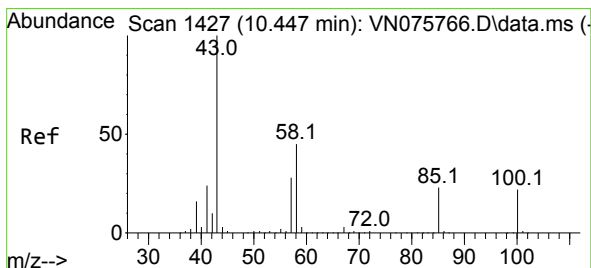
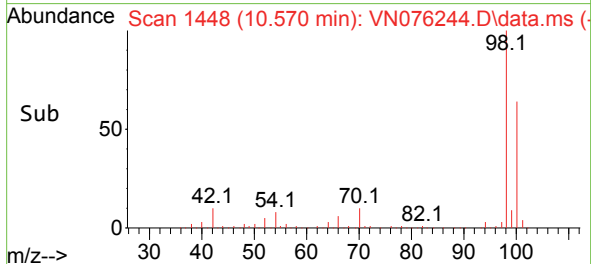
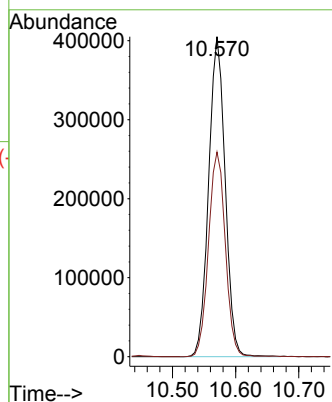
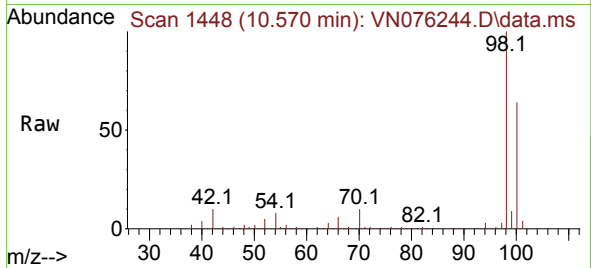




#50
Toluene-d8
Concen: 50.518 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

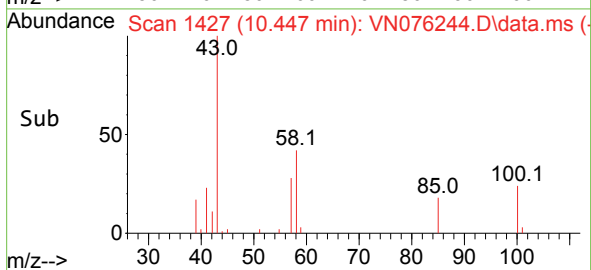
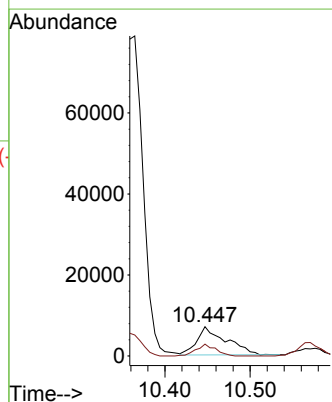
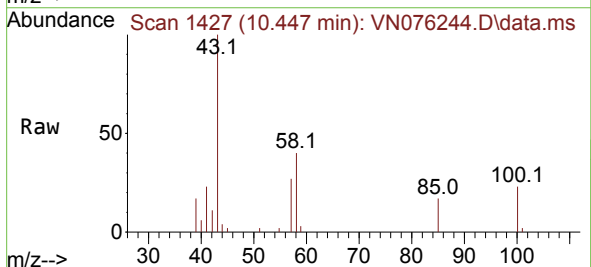
Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

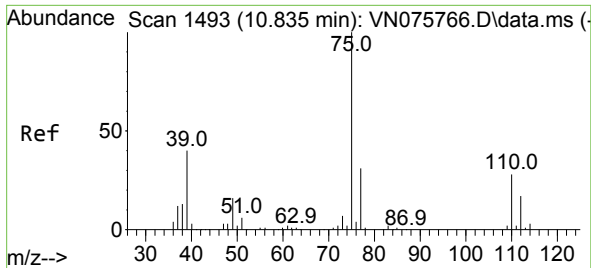
Tgt Ion: 98 Resp: 733967
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.981 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Tgt Ion: 43 Resp: 16468
Ion Ratio Lower Upper
43 100
58 28.1 35.5 53.3#

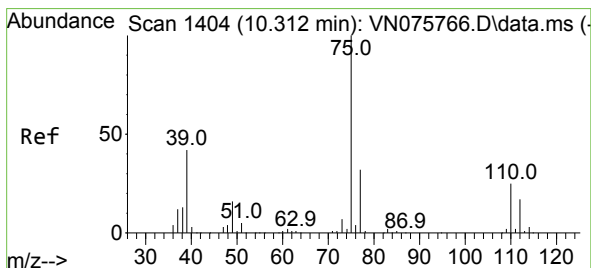
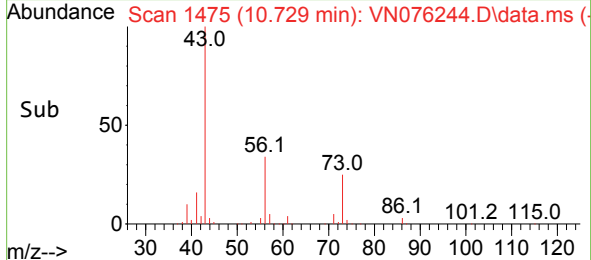
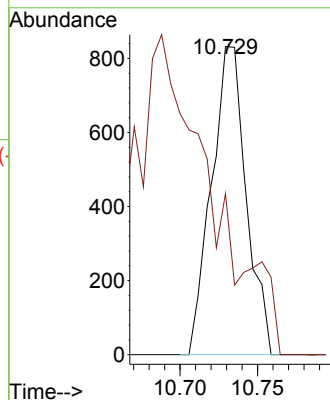
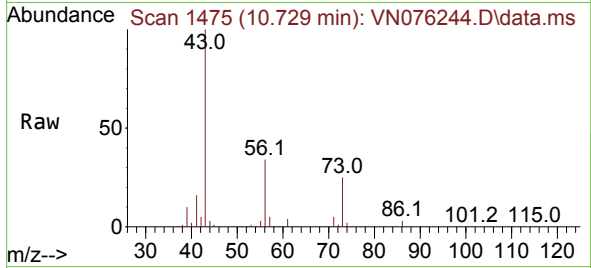




#53
 t-1,3-Dichloropropene
 Concen: 0.235 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN076244.D
 Acq: 13 Jan 2023 13:26

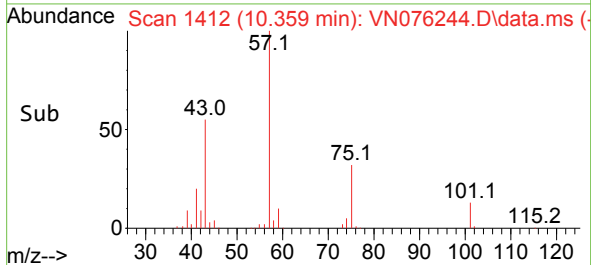
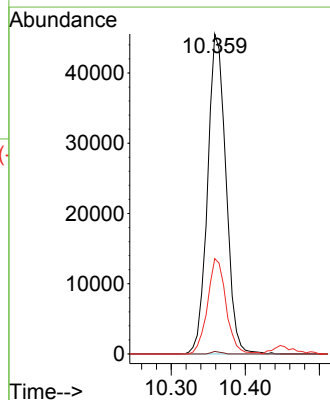
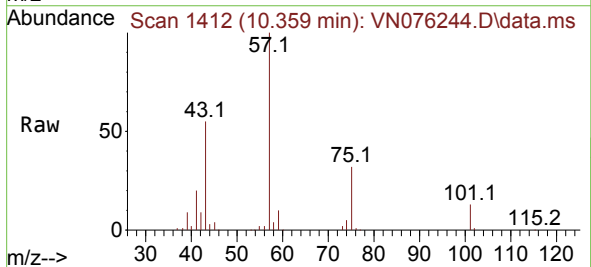
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-207

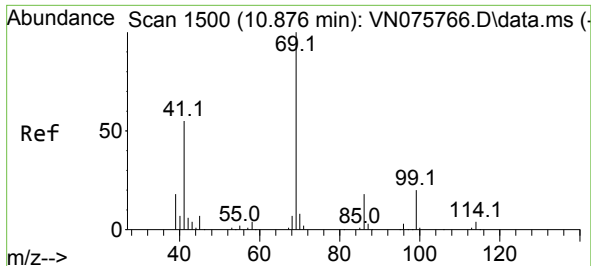
Tgt Ion: 75 Resp: 1298
 Ion Ratio Lower Upper
 75 100
 77 52.3 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.928 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076244.D
 Acq: 13 Jan 2023 13:26

Tgt Ion: 75 Resp: 78326
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.8 38.8#
 39 29.8 33.4 50.2#

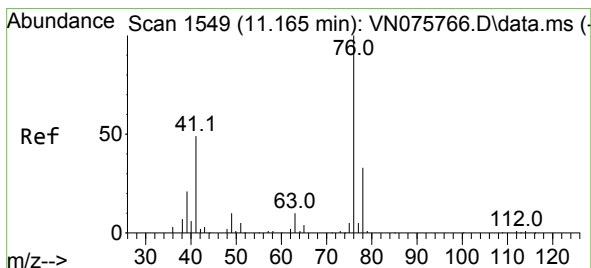
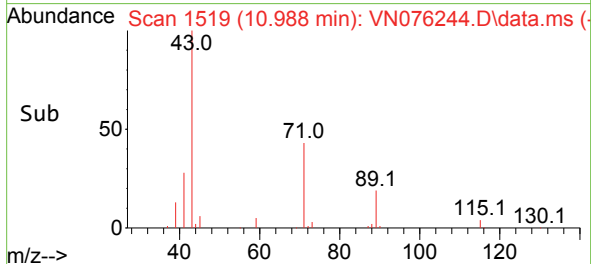
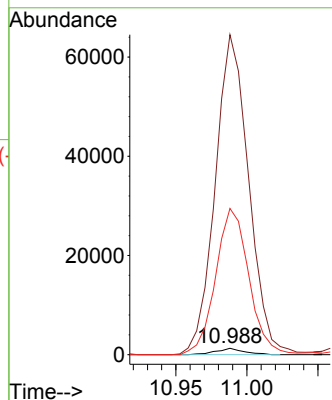
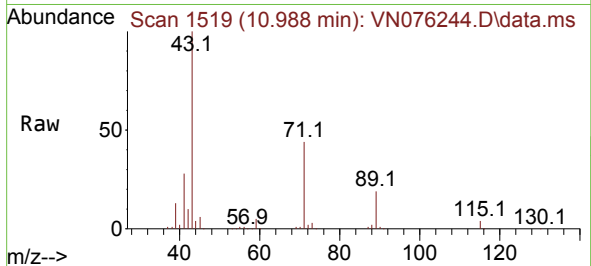




#56
Ethyl methacrylate
Concen: 0.329 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

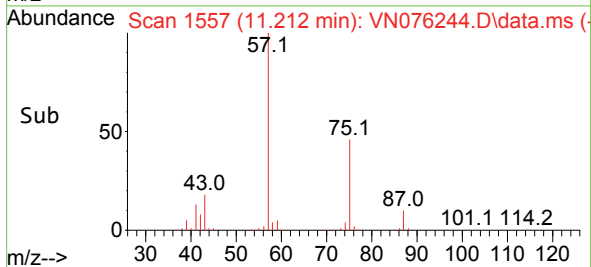
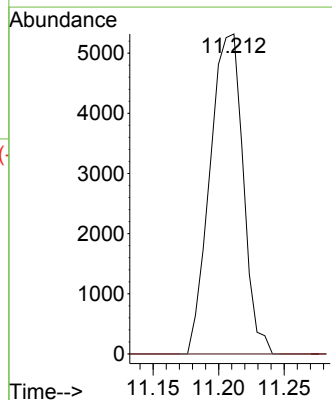
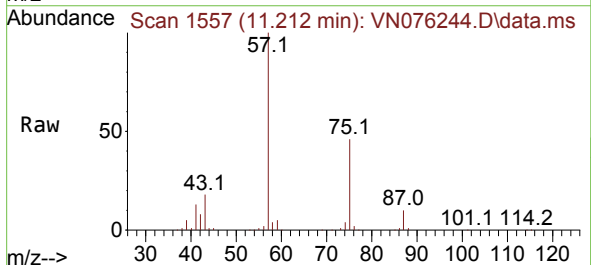
Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

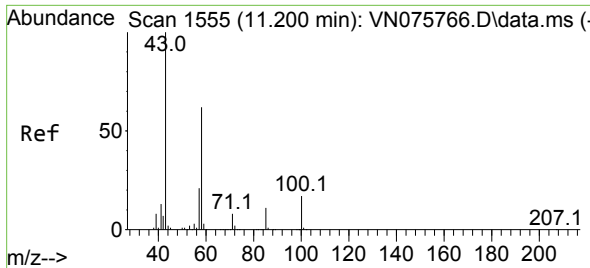
Tgt Ion: 69 Resp: 1778
Ion Ratio Lower Upper
69 100
41 5967.7 44.2 66.4#
39 2704.1 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.399 ug/l
RT: 11.212 min Scan# 1557
Delta R.T. 0.047 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Tgt Ion: 76 Resp: 9343
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

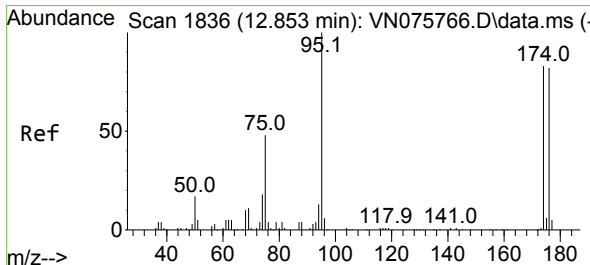
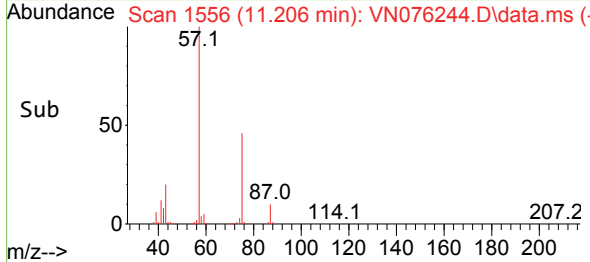
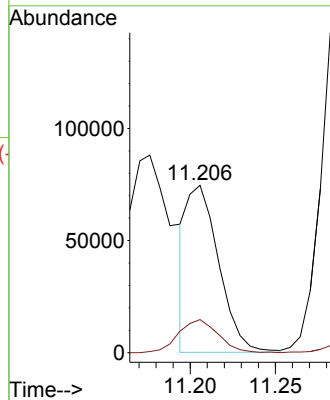
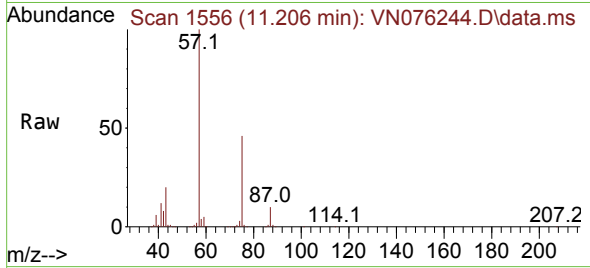




#59
2-Hexanone
Concen: 32.062 ug/l
RT: 11.206 min Scan# 1155
Delta R.T. 0.006 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

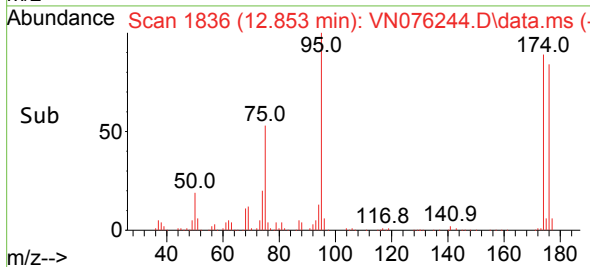
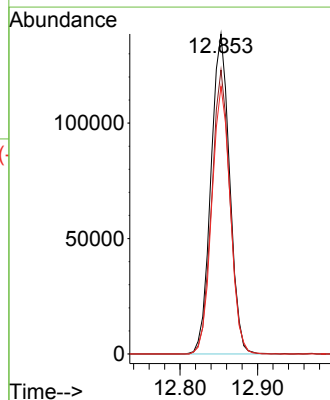
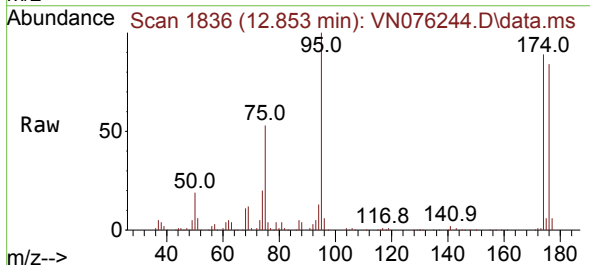
Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

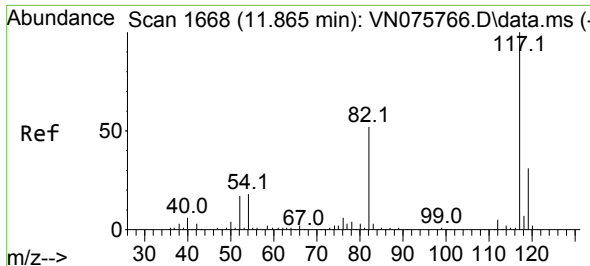
Tgt Ion: 43 Resp: 96714
Ion Ratio Lower Upper
43 100
58 24.8 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 48.323 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Tgt Ion: 95 Resp: 232536
Ion Ratio Lower Upper
95 100
174 86.7 0.0 171.6
176 82.6 0.0 169.2

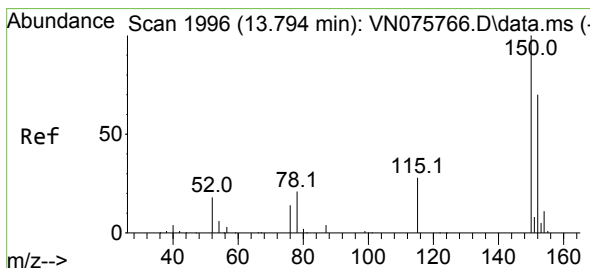
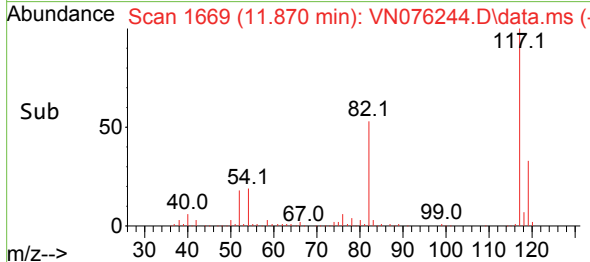
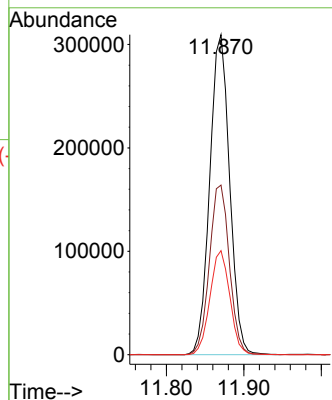
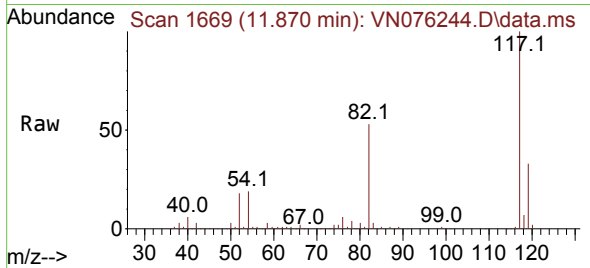




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

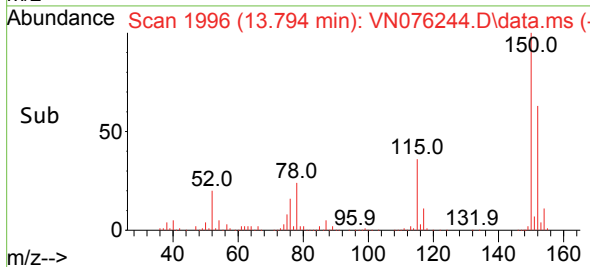
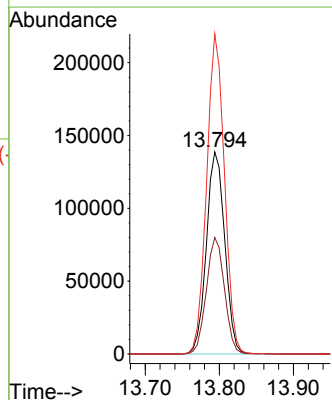
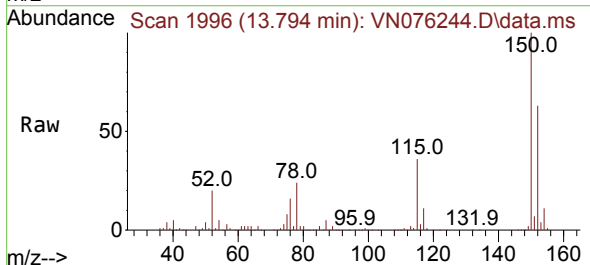
Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

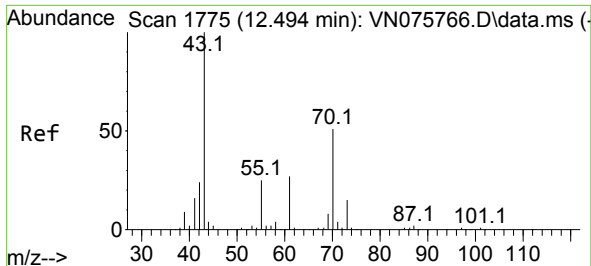
Tgt Ion:117 Resp: 552321
Ion Ratio Lower Upper
117 100
82 53.0 41.3 61.9
119 32.5 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Tgt Ion:152 Resp: 238934
Ion Ratio Lower Upper
152 100
115 56.8 29.1 87.4
150 153.6 0.0 347.0

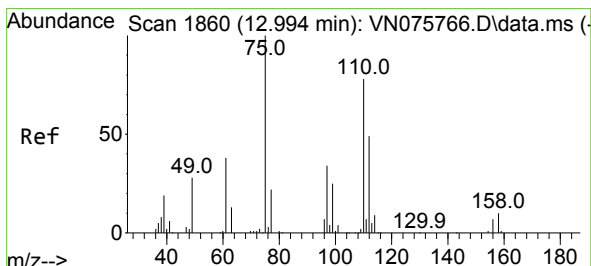
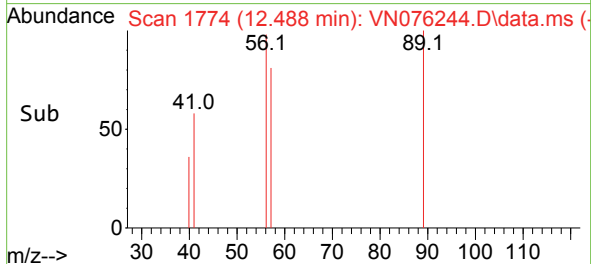
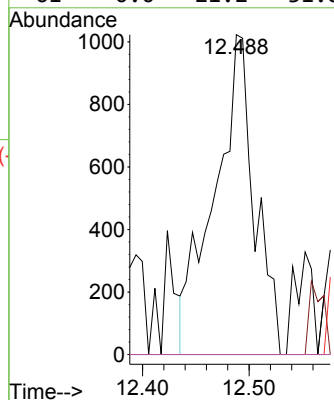
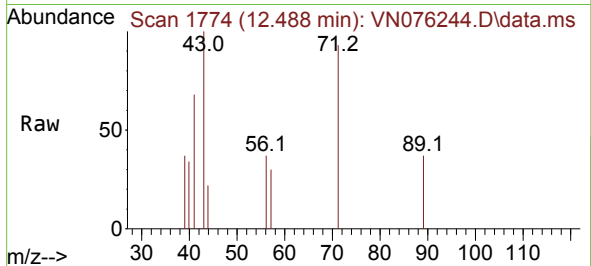




#74
N-amy1 acetate
Concen: 0.530 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

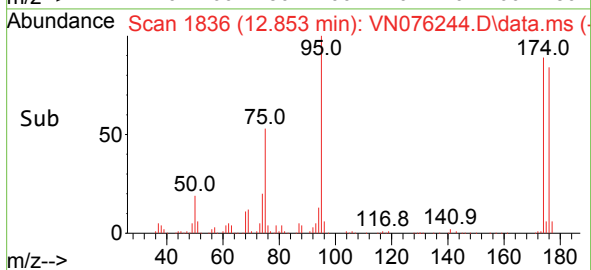
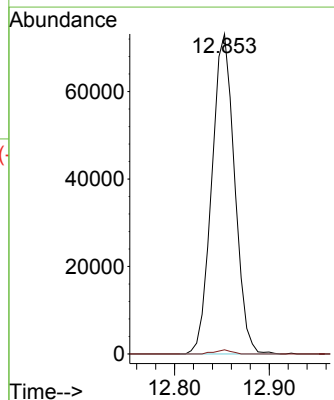
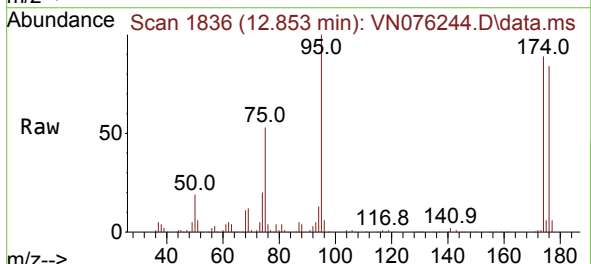
Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

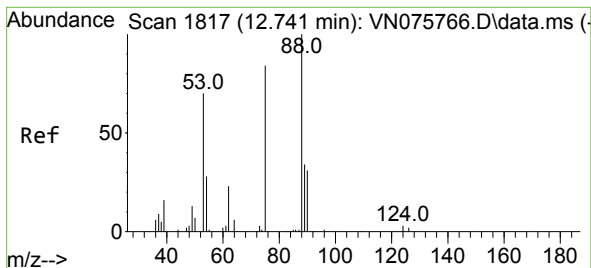
Tgt Ion: 43	Resp: 2683
Ion Ratio	Lower Upper
43 100	
70 0.0	41.4 62.0#
55 0.0	21.3 31.9#
61 0.0	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 25.360 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Tgt Ion: 75	Resp: 122143
Ion Ratio	Lower Upper
75 100	
77 1.0	82.6 247.8#

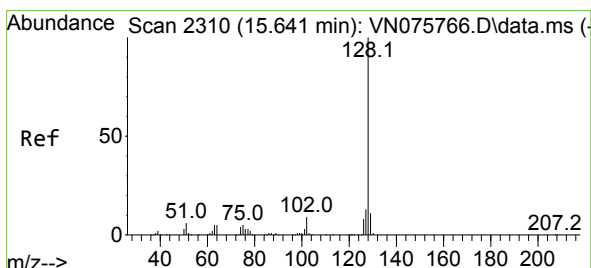
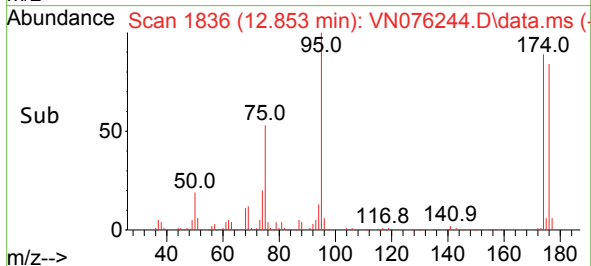
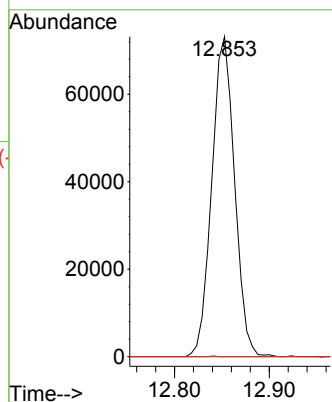
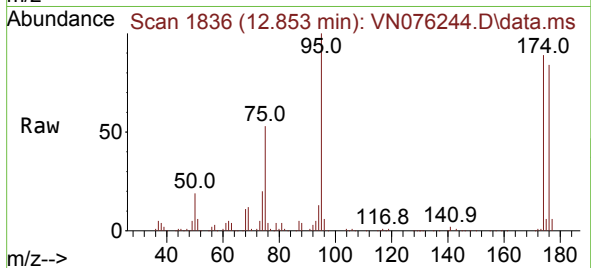




#81
trans-1,4-Dichloro-2-butene
Concen: 91.284 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

Tgt Ion: 75 Resp: 122143
Ion Ratio Lower Upper
75 100
53 0.1 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.296 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076244.D
Acq: 13 Jan 2023 13:26

Tgt Ion:128 Resp: 1614
Ion Ratio Lower Upper
128 100
127 4.8 10.4 15.6#
129 0.0 8.7 13.1#

