

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
 Data File : VN071263.D
 Acq On : 14 Mar 2022 14:02
 Operator : JC\MD
 Sample : N1890-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-232

Quant Time: Mar 15 02:51:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

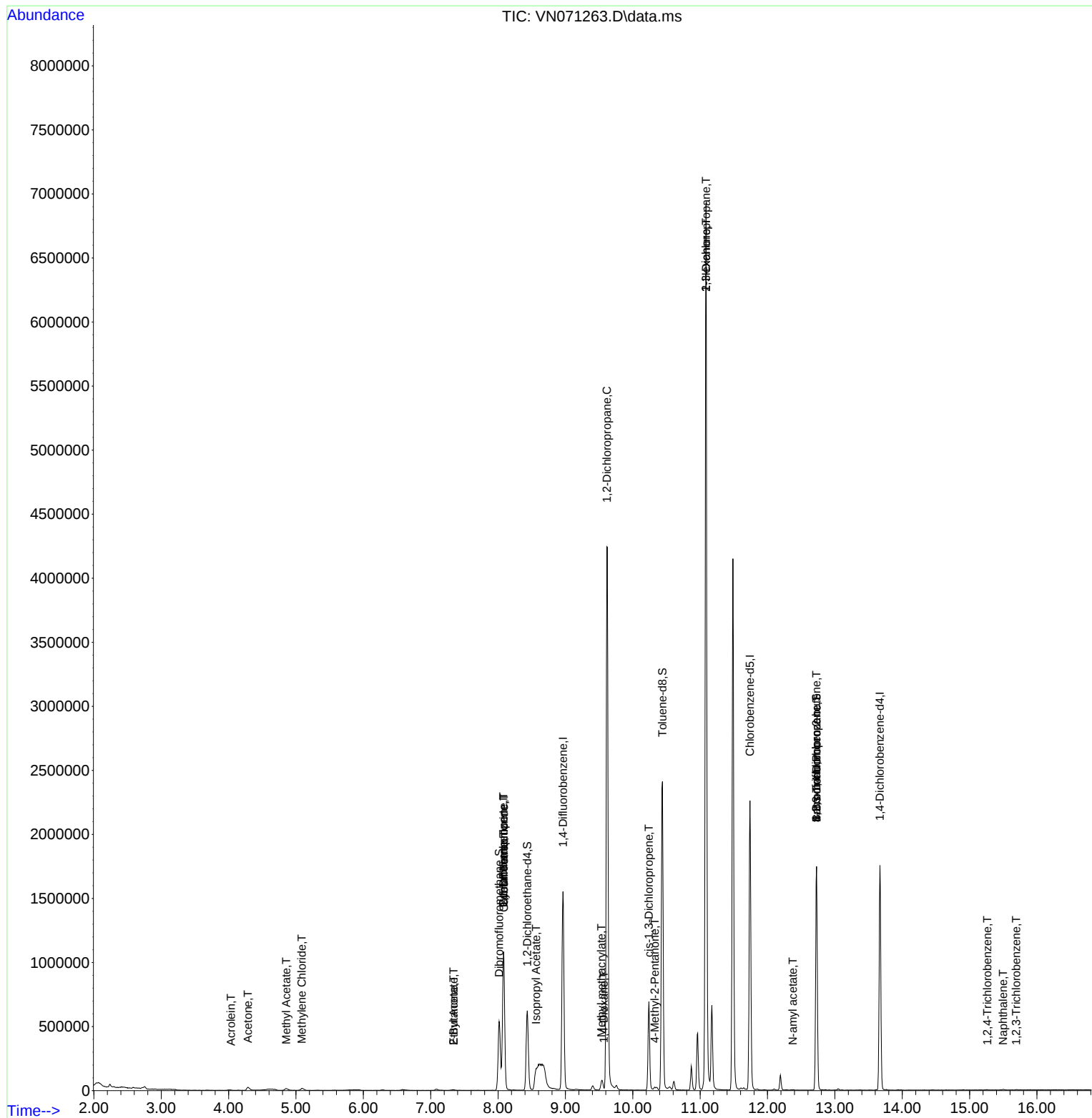
Internal Standards						
1) Pentafluorobenzene	8.081	168	833104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1373913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1275922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	479757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	517544	45.327	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.660%
35) Dibromofluoromethane	8.016	113	401055	46.258	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.520%
50) Toluene-d8	10.439	98	1693877	48.525	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.040%
62) 4-Bromofluorobenzene	12.727	95	616428	52.149	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.300%
Target Compounds						
					Qvalue	
5) Bromomethane	2.810	94	59	Below Cal	#	3
13) Acrolein	4.034	56	503	0.212	ug/l	95
16) Acetone	4.287	43	44382	7.989	ug/l	96
18) Methyl Acetate	4.857	43	33979	2.726	ug/l	92
20) Methylene Chloride	5.087	84	12039	1.558	ug/l	91
25) 2-Butanone	7.339	43	9101	1.017	ug/l	95
31) Cyclohexane	8.081	56	17507	0.960	ug/l	# 1
36) 1,1-Dichloropropene	8.081	75	64139	4.617	ug/l	# 49
37) Ethyl Acetate	7.339	43	9101	0.476	ug/l	# 70
38) Carbon Tetrachloride	8.086	117	80589	5.998	ug/l	# 16
43) Isopropyl Acetate	8.563	43	152212	5.324	ug/l	# 78
45) 1,2-Dichloropropane	9.616	63	5297	0.471	ug/l	# 44
48) Methyl methacrylate	9.533	41	22572	1.704	ug/l	# 8
49) 1,4-Dioxane	9.569	88	131	0.569	ug/l	# 27
51) 4-Methyl-2-Pentanone	10.327	43	16547	0.933	ug/l	94
54) cis-1,3-Dichloropropene	10.239	75	121582	7.223	ug/l	# 59
57) 1,3-Dichloropropane	11.086	76	72160	3.893	ug/l	# 43
59) 2-Hexanone	11.086	43	1095347	90.482	ug/l	# 49
71) Bromoform	12.727	173	3455	0.453	ug/l	# 1
74) N-amyl acetate	12.374	43	4194	0.241	ug/l	# 51
75) 1,1,2,2-Tetrachloroethane	12.827	83	234	Below Cal	#	62
76) 1,2,3-Trichloropropane	12.727	75	320558	26.227	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	320558	72.229	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.262	180	1299	3.145	ug/l	90
95) Naphthalene	15.498	128	3416	5.207	ug/l	98
96) 1,2,3-Trichlorobenzene	15.692	180	1061	2.865	ug/l	# 89

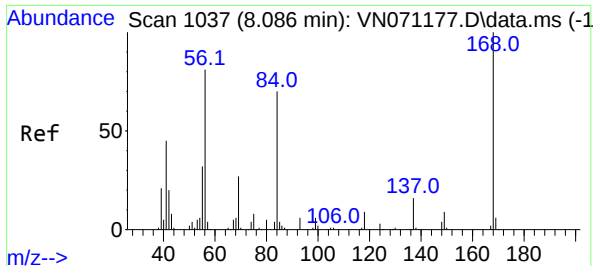
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
Data File : VN071263.D
Acq On : 14 Mar 2022 14:02
Operator : JC\MD
Sample : N1890-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

Quant Time: Mar 15 02:51:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
Response via : Initial Calibration

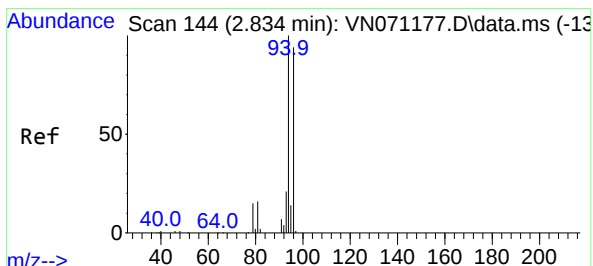
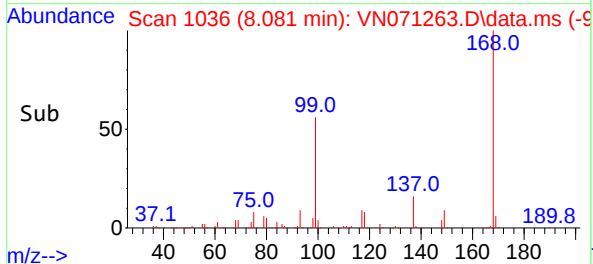
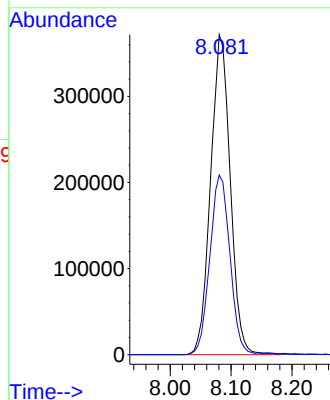
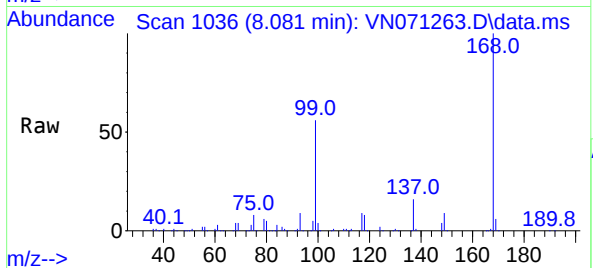




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

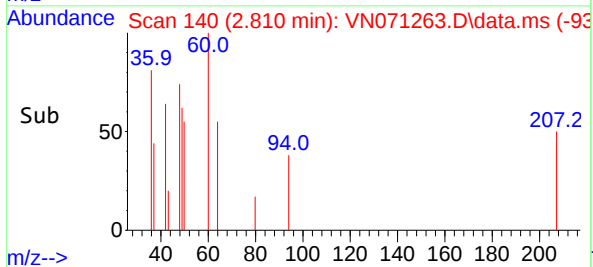
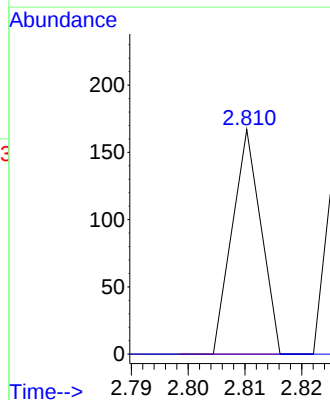
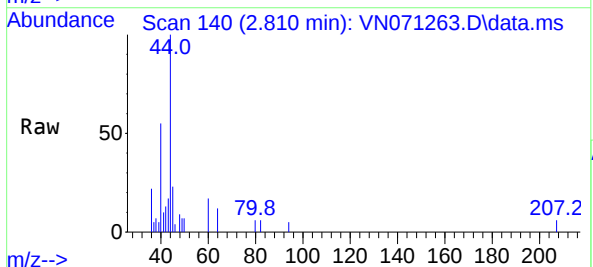
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

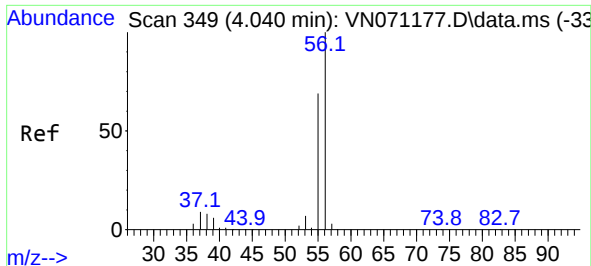
Tgt Ion:168 Resp: 833104
Ion Ratio Lower Upper
168 100
99 56.2 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.810 min Scan# 140
Delta R.T. -0.024 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion: 94 Resp: 59
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#

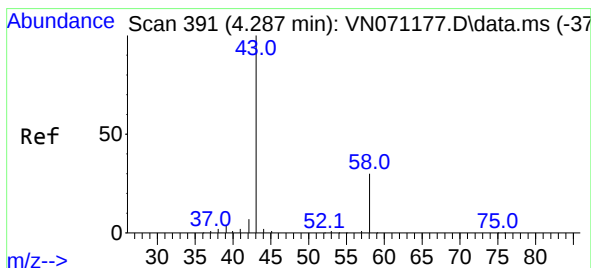
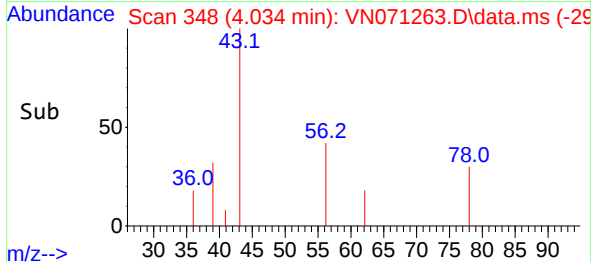
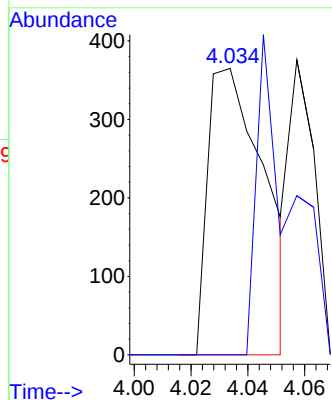
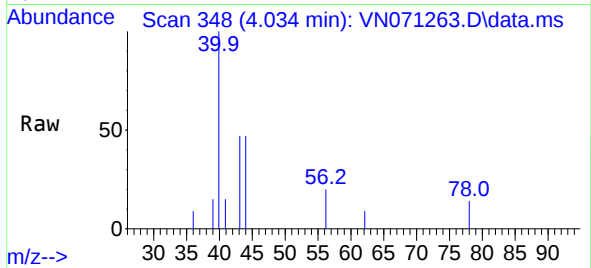




#13
Acrolein
Concen: 0.212 ug/l
RT: 4.034 min Scan# 349
Delta R.T. -0.006 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

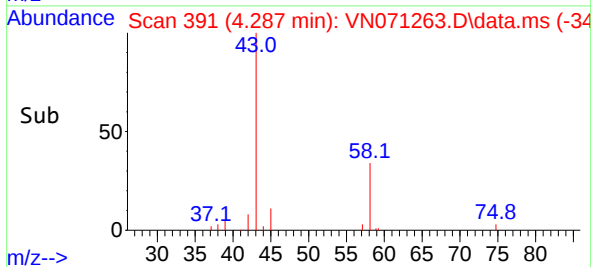
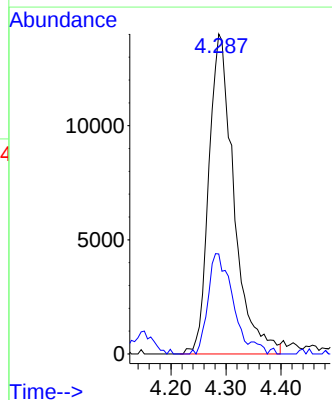
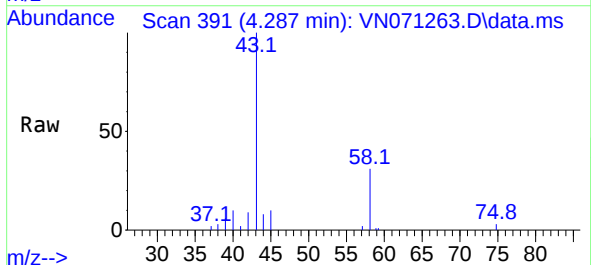
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

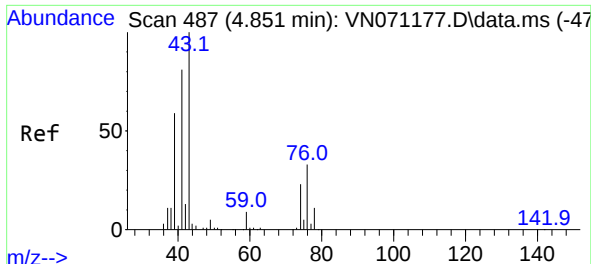
Tgt Ion: 56 Resp: 503
Ion Ratio Lower Upper
56 100
55 66.8 56.6 85.0



#16
Acetone
Concen: 7.989 ug/l
RT: 4.287 min Scan# 391
Delta R.T. -0.000 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion: 43 Resp: 44382
Ion Ratio Lower Upper
43 100
58 31.2 23.1 34.7

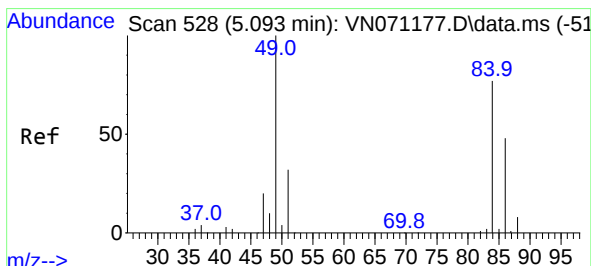
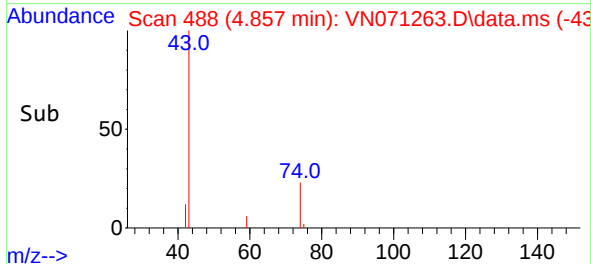
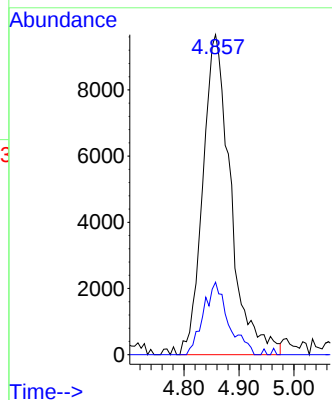
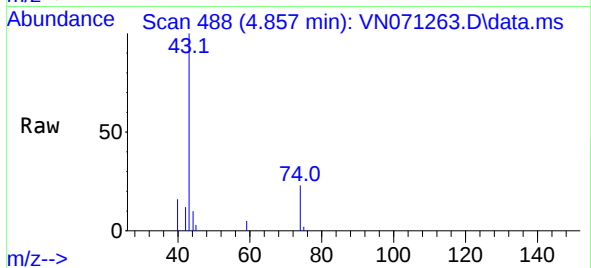




#18
Methyl Acetate
Concen: 2.726 ug/l
RT: 4.857 min Scan# 487
Delta R.T. 0.006 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

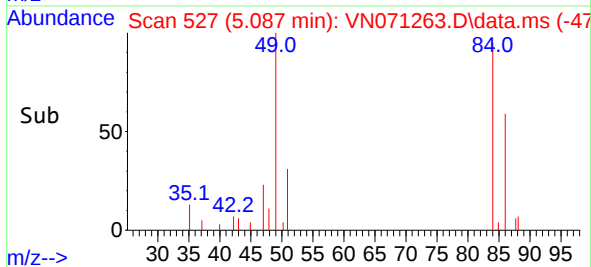
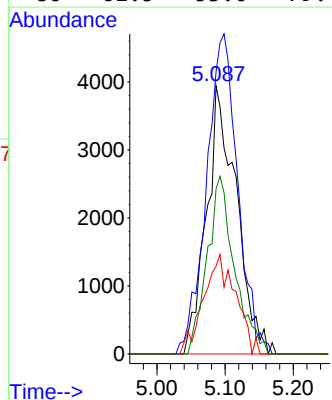
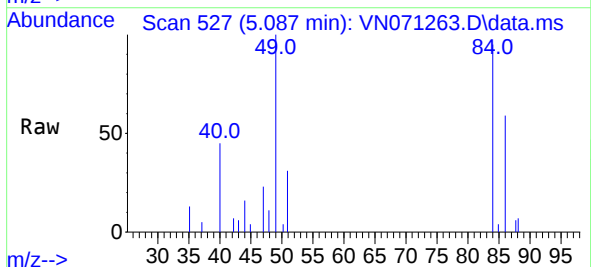
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

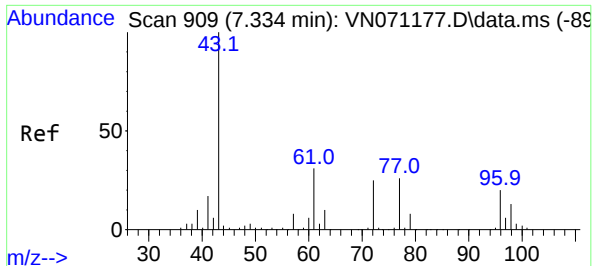
Tgt Ion: 43 Resp: 33979
Ion Ratio Lower Upper
43 100
74 20.4 19.4 29.2



#20
Methylene Chloride
Concen: 1.558 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion: 84 Resp: 12039
Ion Ratio Lower Upper
84 100
49 105.1 93.5 140.3
51 32.7 29.4 44.2
86 61.5 53.0 79.4

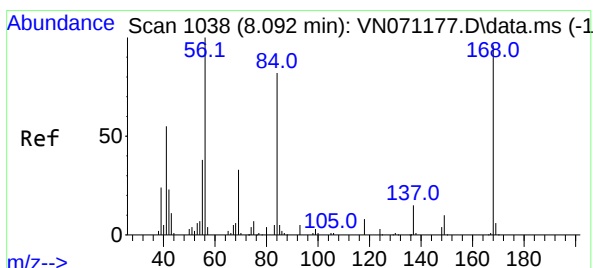
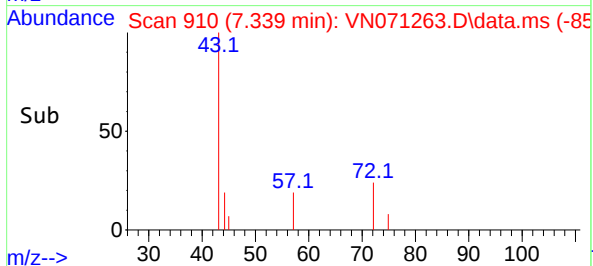
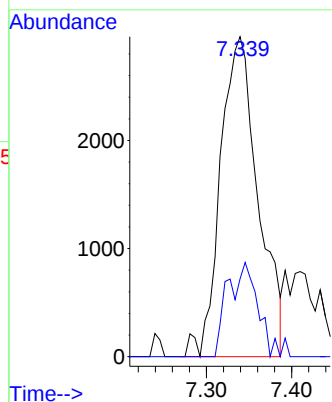
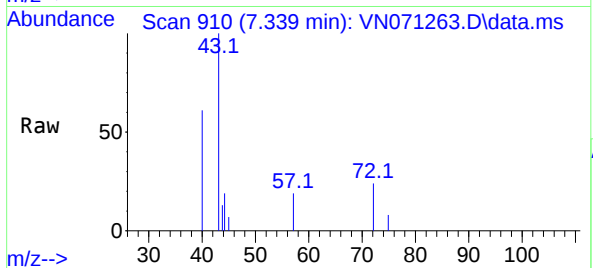




#25
2-Butanone
Concen: 1.017 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

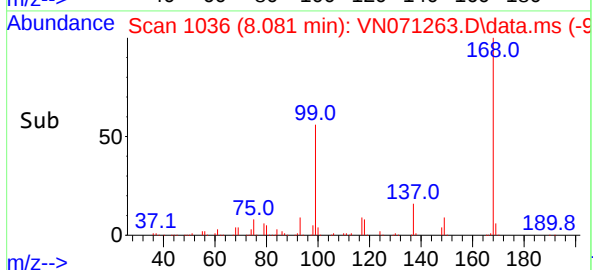
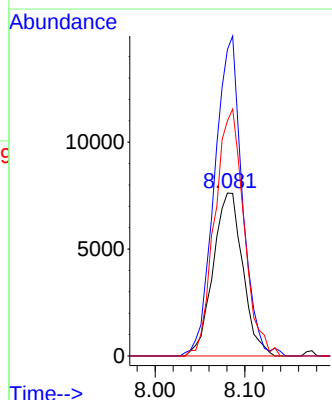
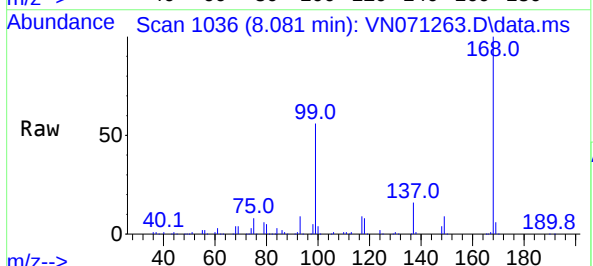
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

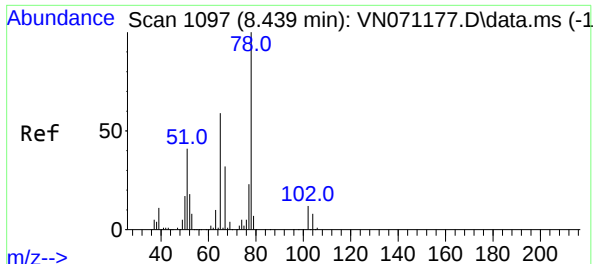
Tgt Ion: 43 Resp: 9101
Ion Ratio Lower Upper
43 100
72 24.3 21.7 32.5



#31
Cyclohexane
Concen: 0.960 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion: 56 Resp: 17507
Ion Ratio Lower Upper
56 100
69 187.9 27.1 40.7#
84 144.2 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 45.327 ug/l

RT: 8.433 min Scan# 1097

Delta R.T. -0.006 min

Lab File: VN071263.D

Acq: 14 Mar 2022 14:02

Instrument :

MSVOA_N

ClientSampleId :

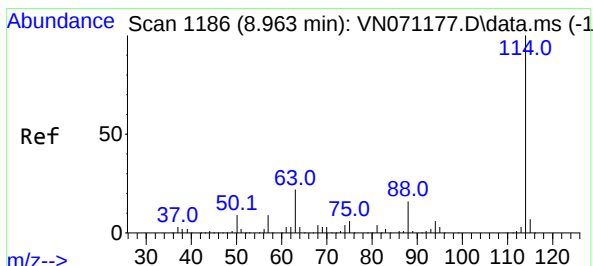
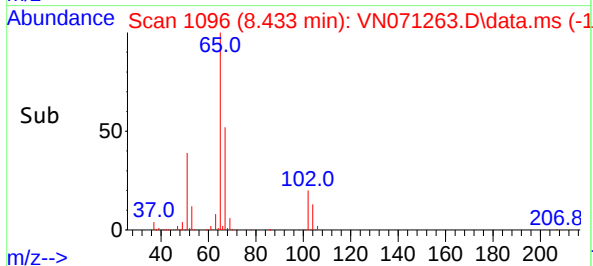
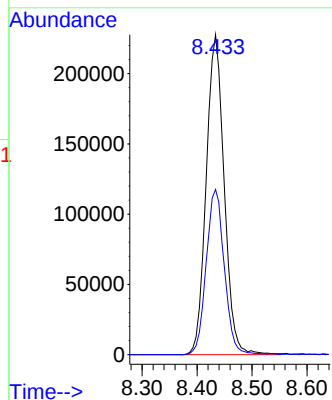
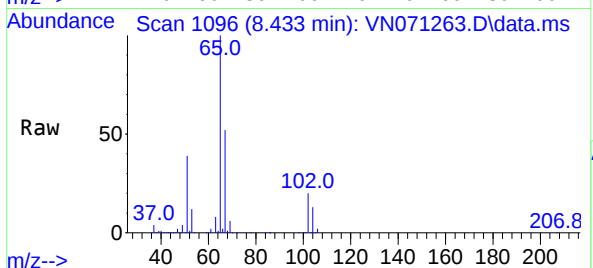
VNJ-232

Tgt Ion: 65 Resp: 517544

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071263.D

Acq: 14 Mar 2022 14:02

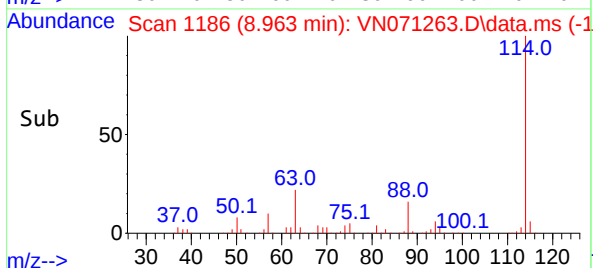
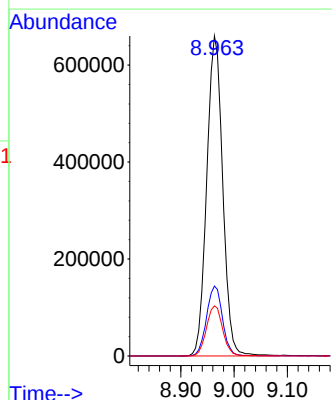
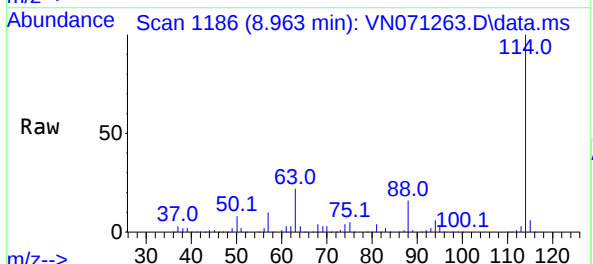
Tgt Ion: 114 Resp: 1373913

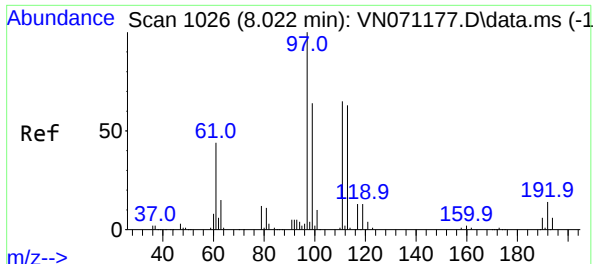
Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 15.7 0.0 27.4

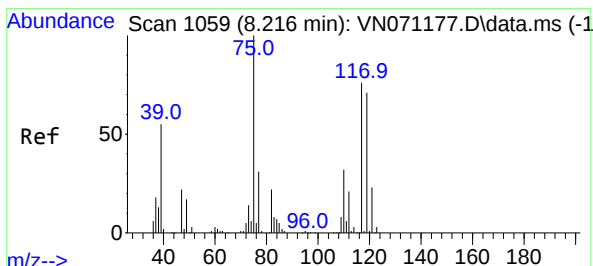
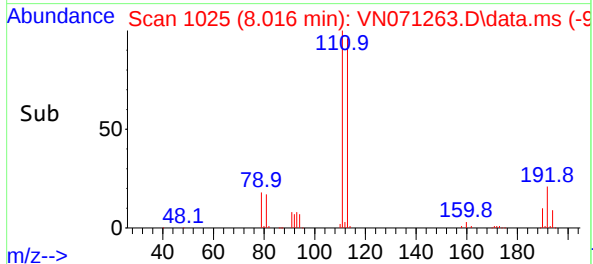
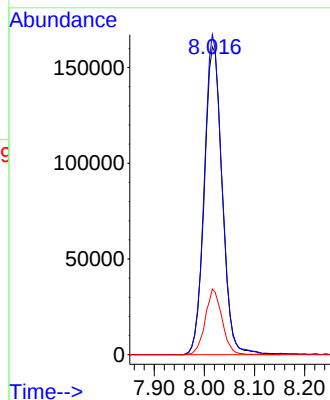
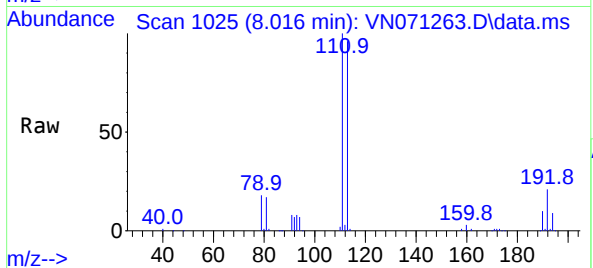




#35
Dibromofluoromethane
Concen: 46.258 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

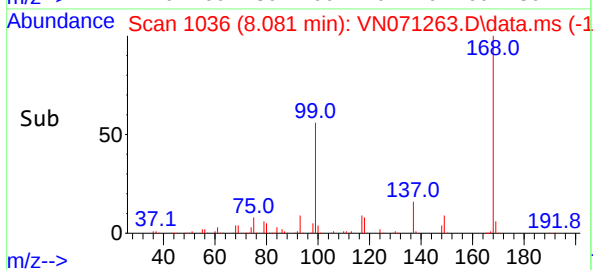
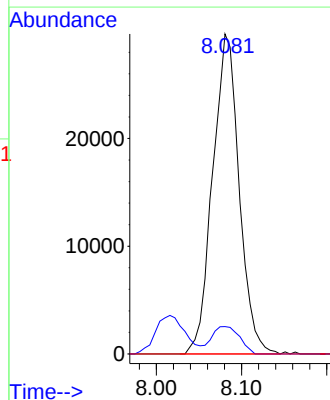
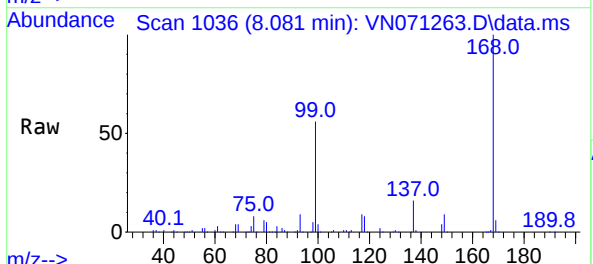
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

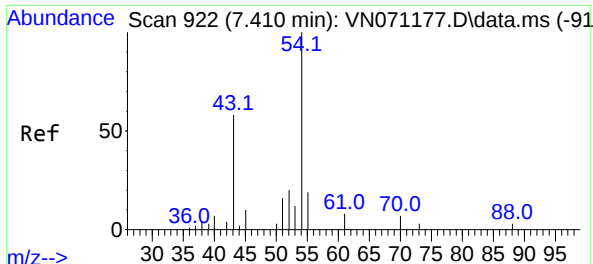
Tgt Ion:113 Resp: 401055
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.617 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion: 75 Resp: 64139
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#

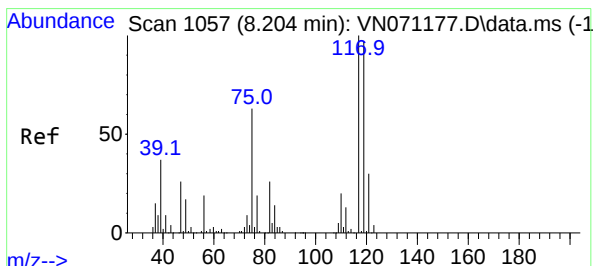
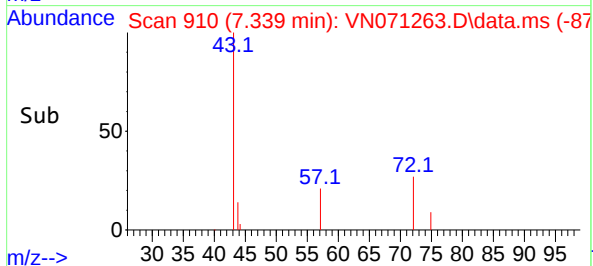
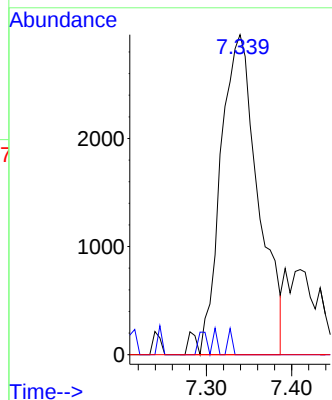
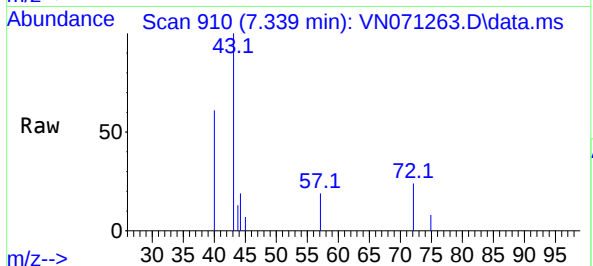




#37
Ethyl Acetate
Concen: 0.476 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.071 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

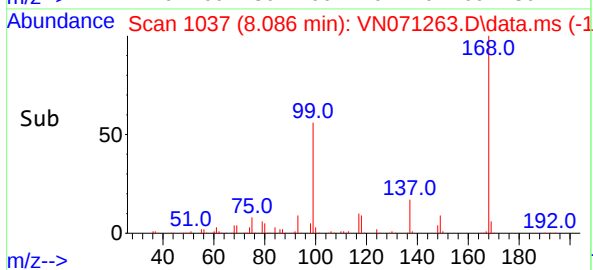
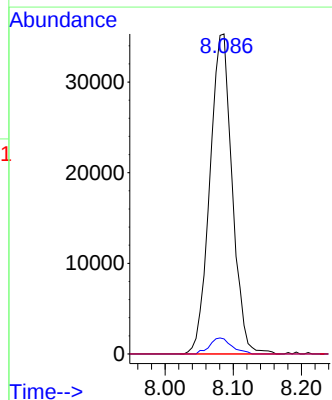
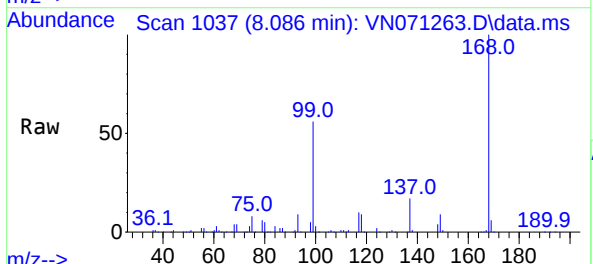
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

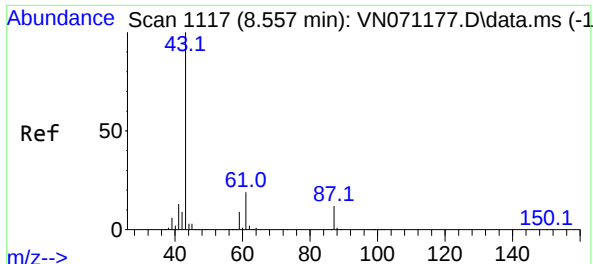
Tgt Ion: 43 Resp: 9101
Ion Ratio Lower Upper
43 100
61 0.9 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.998 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion: 117 Resp: 80589
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#

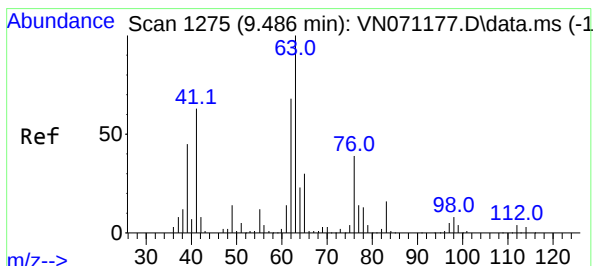
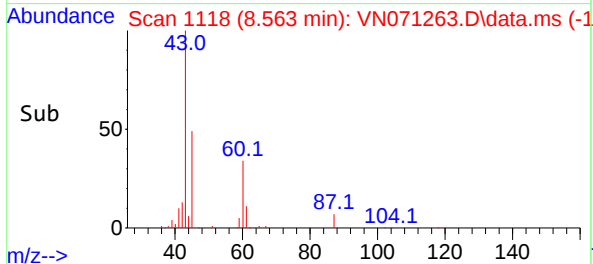
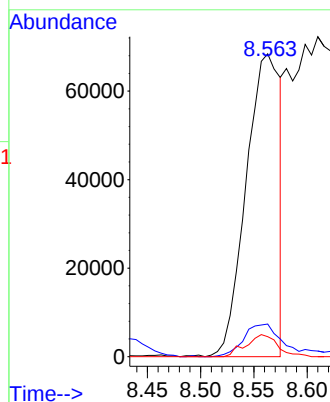
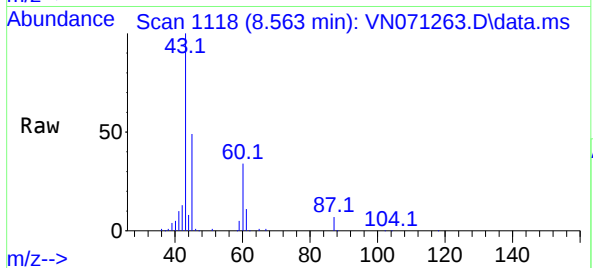




#43
Isopropyl Acetate
Concen: 5.324 ug/l
RT: 8.563 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

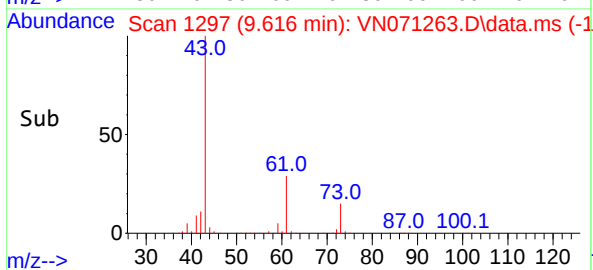
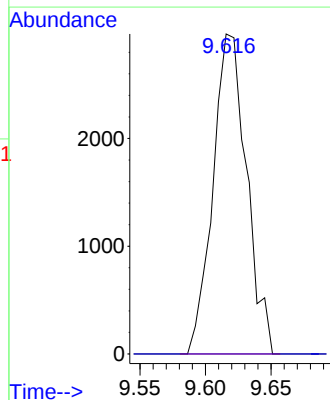
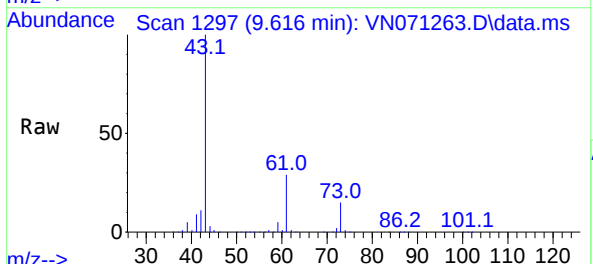
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

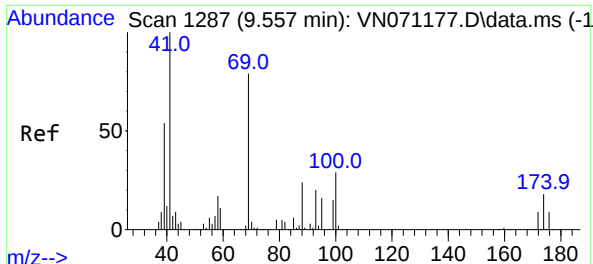
Tgt Ion: 43 Resp: 152212
Ion Ratio Lower Upper
43 100
61 12.8 20.4 30.6#
87 6.8 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.471 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion: 63 Resp: 5297
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

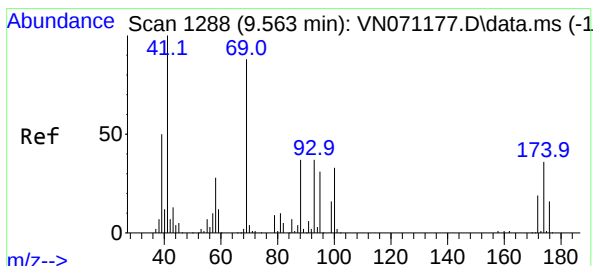
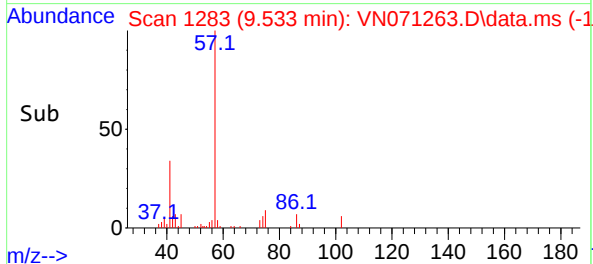
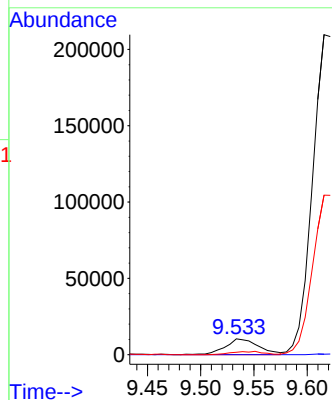
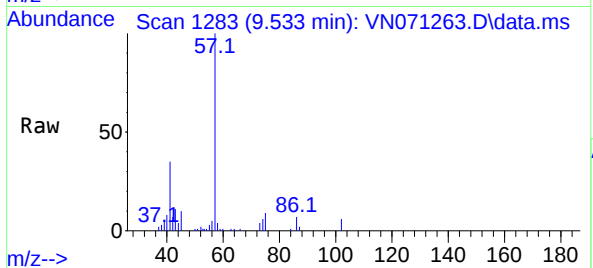




#48
Methyl methacrylate
Concen: 1.704 ug/l
RT: 9.533 min Scan# 1283
Delta R.T. -0.024 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

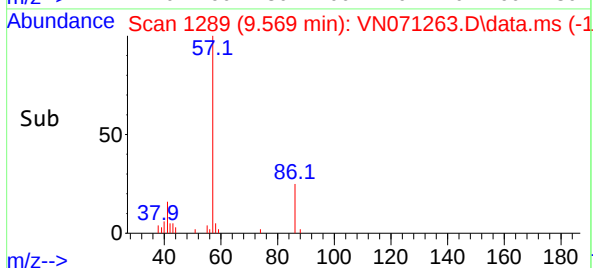
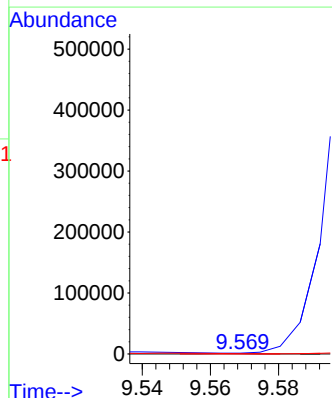
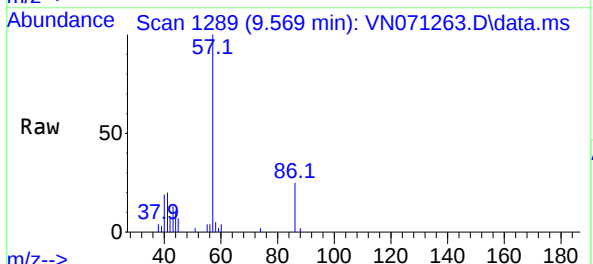
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

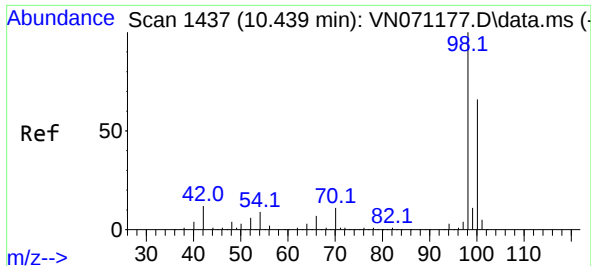
Tgt Ion: 41 Resp: 22572
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.569 ug/l
RT: 9.569 min Scan# 1289
Delta R.T. 0.006 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion: 88 Resp: 131
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

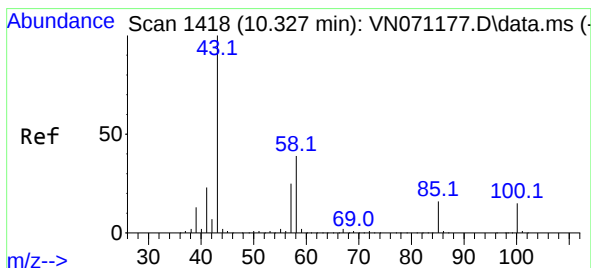
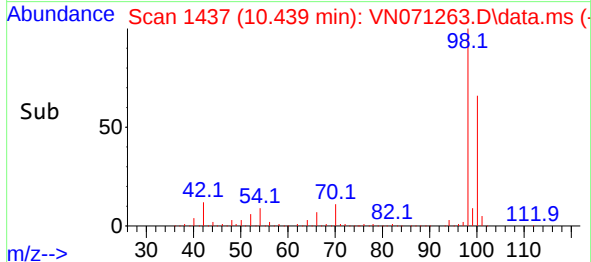
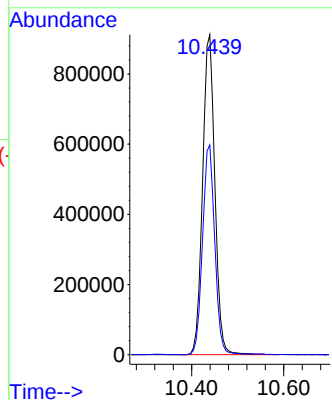
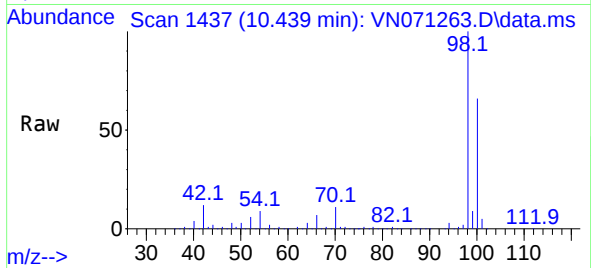




#50
Toluene-d8
Concen: 48.525 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

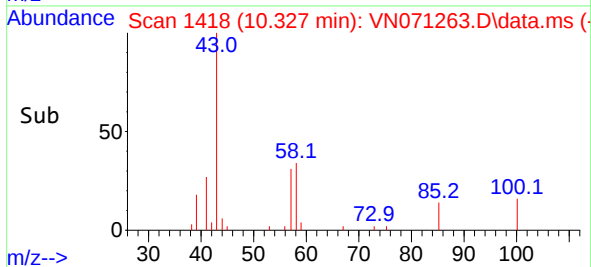
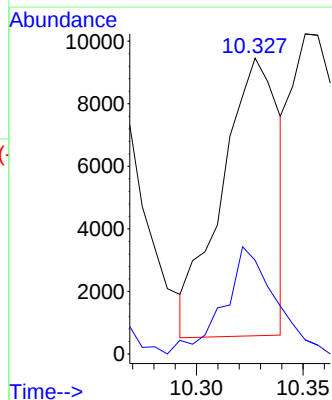
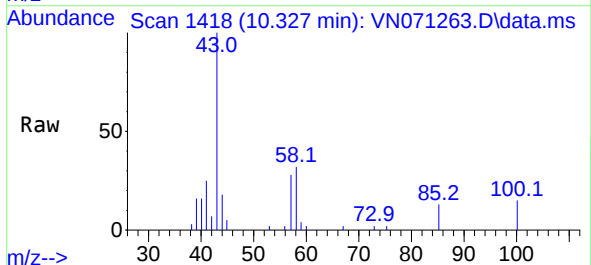
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

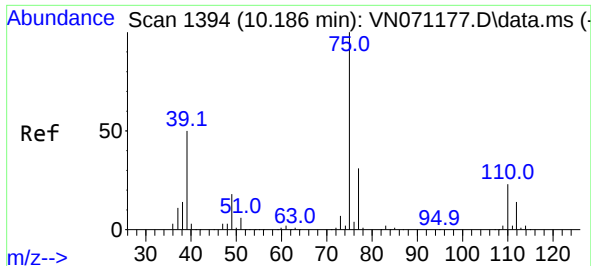
Tgt Ion: 98 Resp: 1693877
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.933 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion: 43 Resp: 16547
Ion Ratio Lower Upper
43 100
58 34.6 30.4 45.6

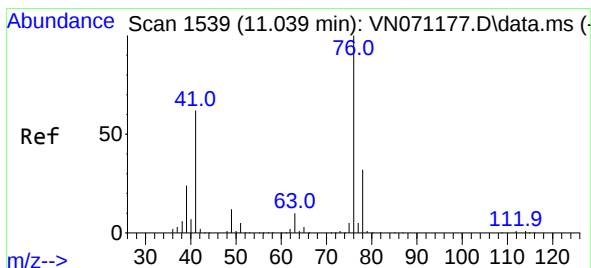
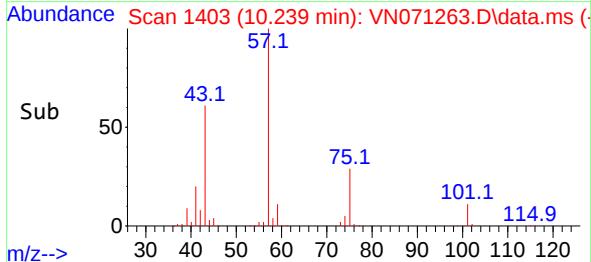
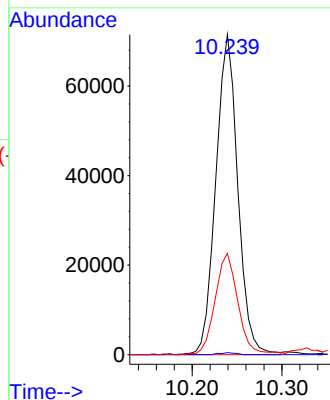
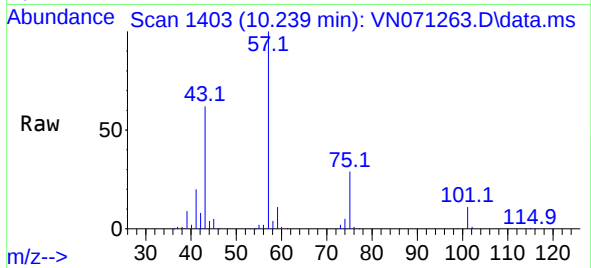




#54
 cis-1,3-Dichloropropene
 Concen: 7.223 ug/l
 RT: 10.239 min Scan# 141
 Delta R.T. 0.053 min
 Lab File: VN071263.D
 Acq: 14 Mar 2022 14:02

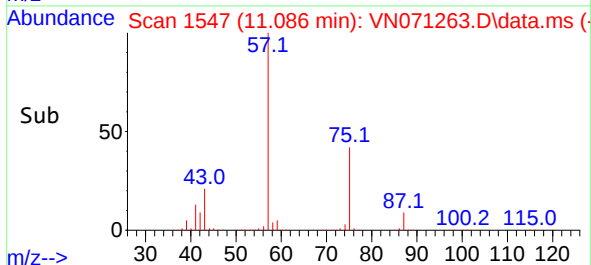
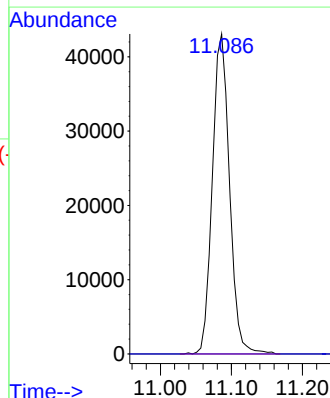
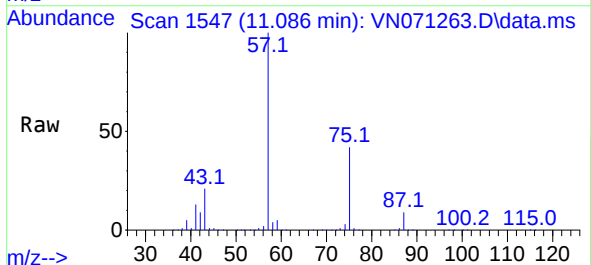
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-232

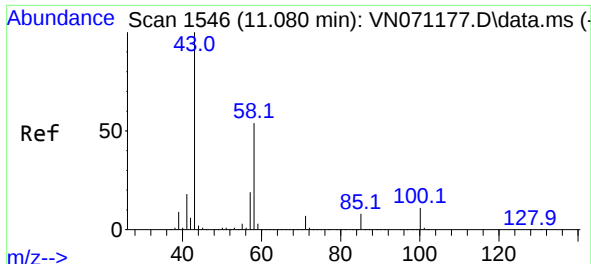
Tgt Ion: 75 Resp: 121582
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.4 39.6#
 39 31.7 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 3.893 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071263.D
 Acq: 14 Mar 2022 14:02

Tgt Ion: 76 Resp: 72160
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

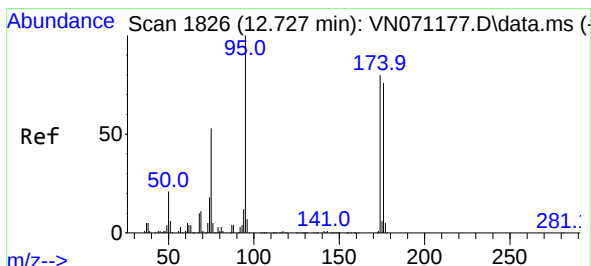
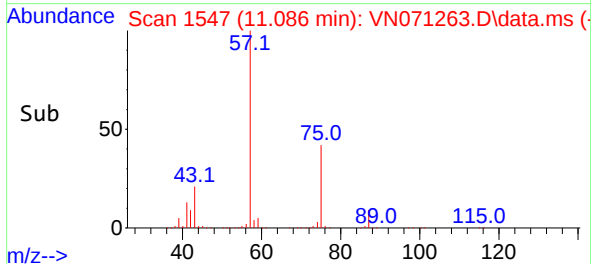
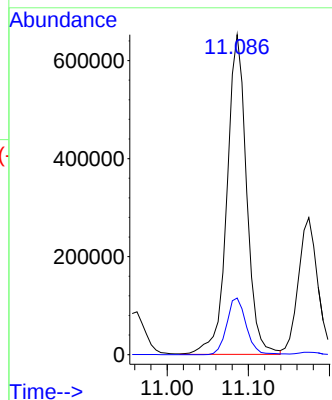
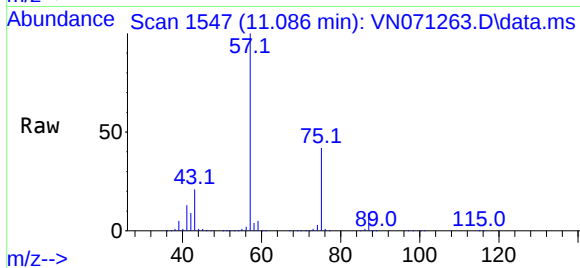




#59
2-Hexanone
Concen: 90.482 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

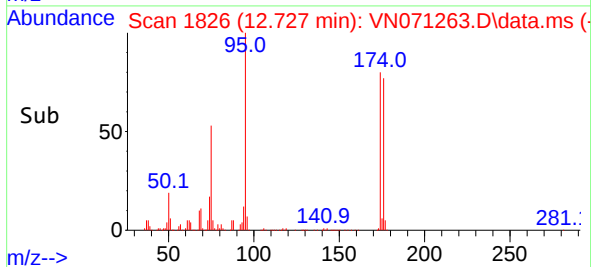
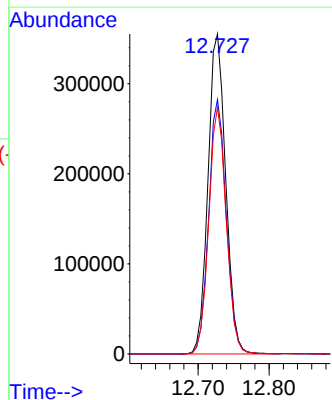
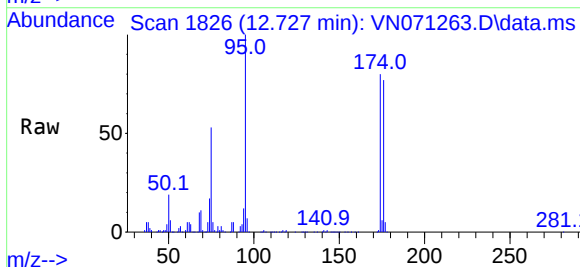
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

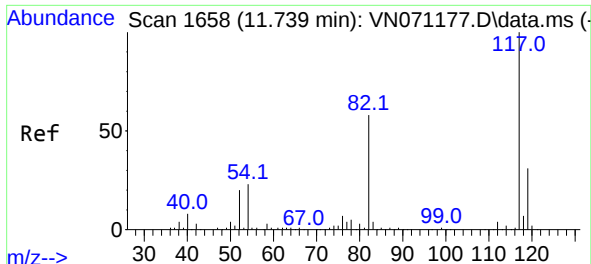
Tgt Ion: 43 Resp: 1095347
Ion Ratio Lower Upper
43 100
58 17.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 52.149 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion: 95 Resp: 616428
Ion Ratio Lower Upper
95 100
174 79.2 0.0 187.2
176 75.8 0.0 181.4

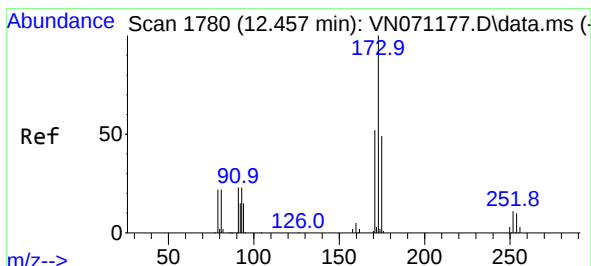
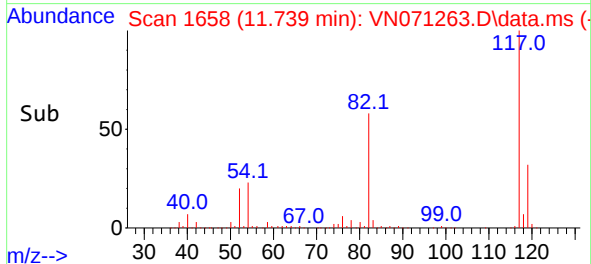
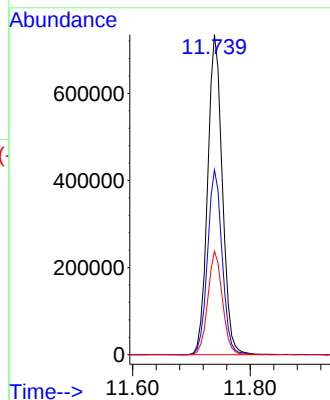
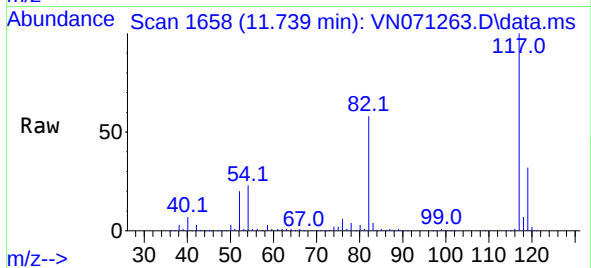




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

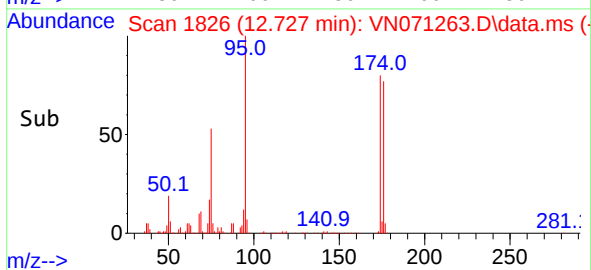
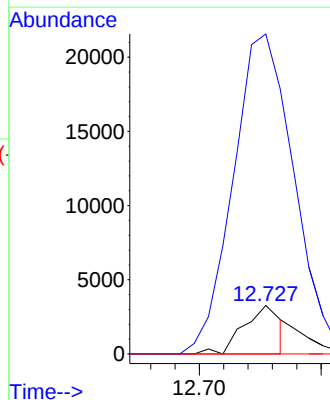
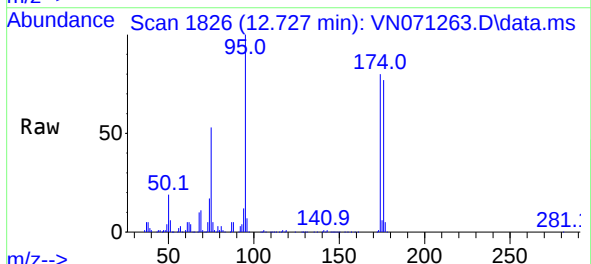
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

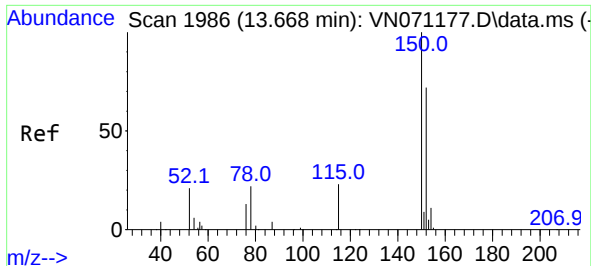
Tgt Ion:117 Resp: 1275922
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 32.3 25.4 38.2



#71
Bromoform
Concen: 0.453 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion:173 Resp: 3455
Ion Ratio Lower Upper
173 100
175 862.8 24.2 72.6#
254 0.0 0.0 0.0

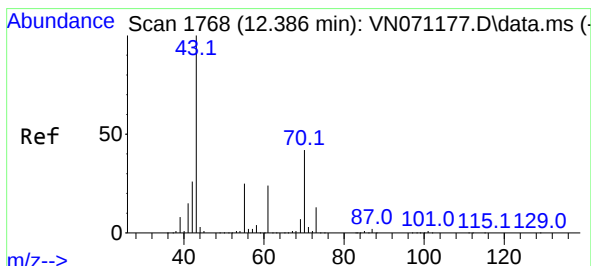
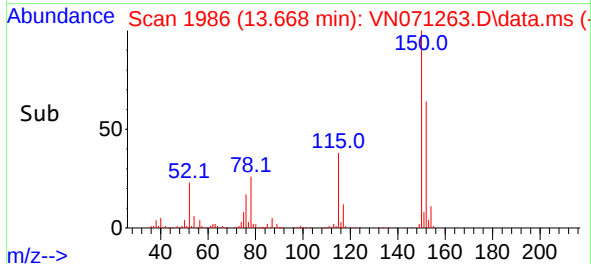
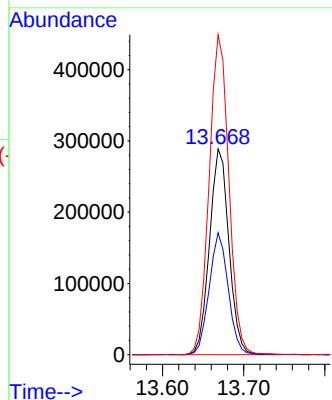
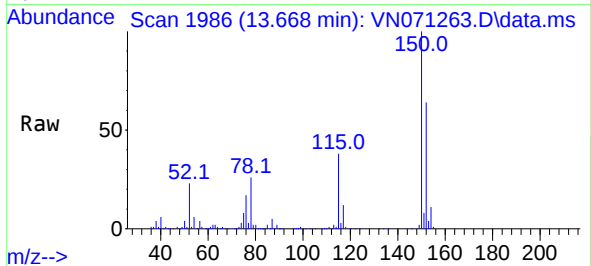




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

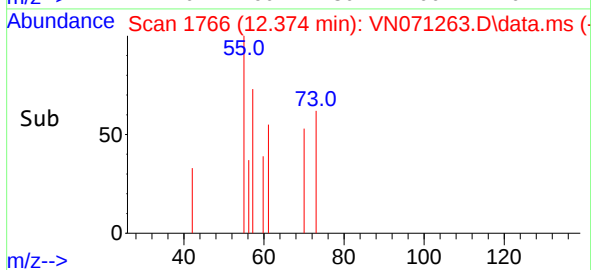
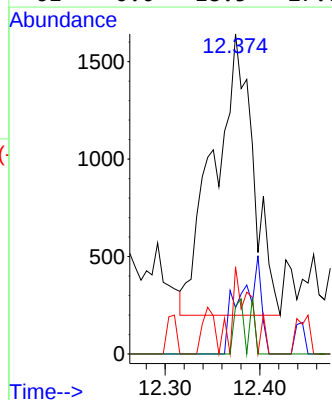
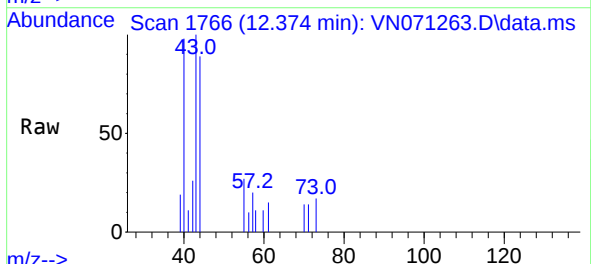
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

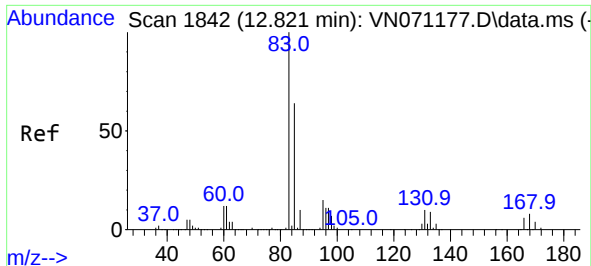
Tgt Ion:152 Resp: 479757
Ion Ratio Lower Upper
152 100
115 58.2 27.5 82.5
150 157.9 0.0 344.4



#74
N-ethyl acetate
Concen: 0.241 ug/l
RT: 12.374 min Scan# 1766
Delta R.T. -0.012 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion: 43 Resp: 4194
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.0#
55 14.1 19.3 28.9#
61 0.0 18.5 27.7#

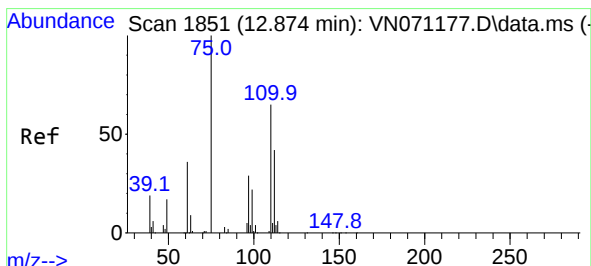
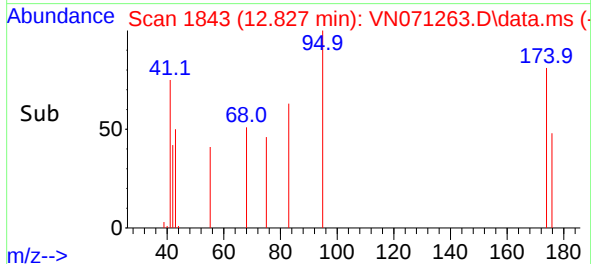
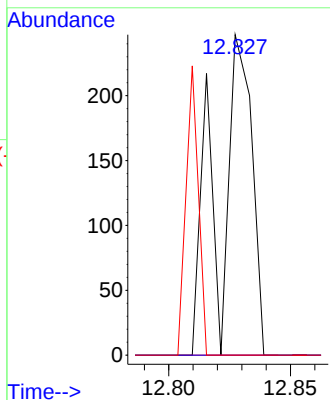
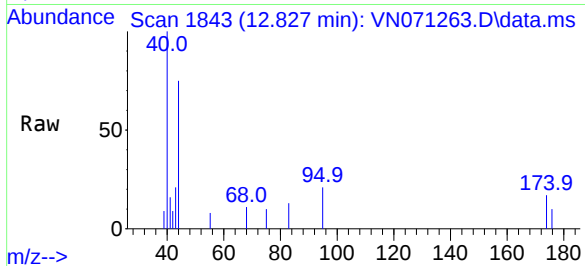




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

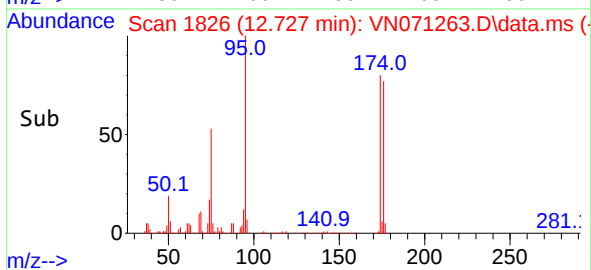
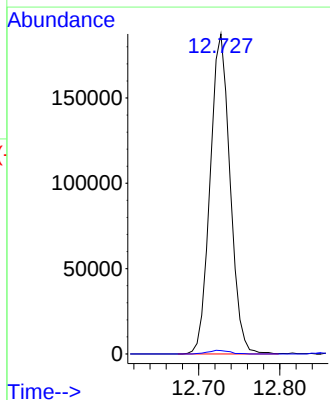
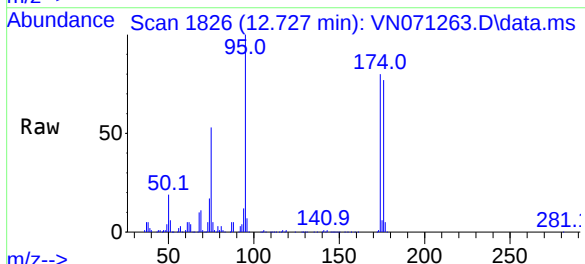
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

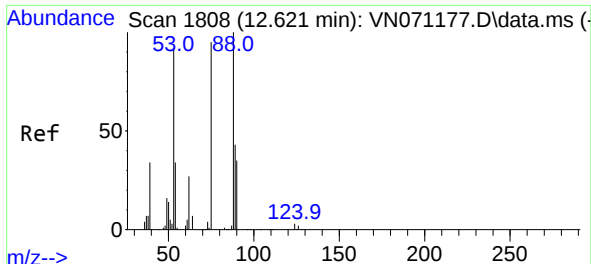
Tgt Ion: 83 Resp: 234
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 33.8 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 26.227 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion: 75 Resp: 320558
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

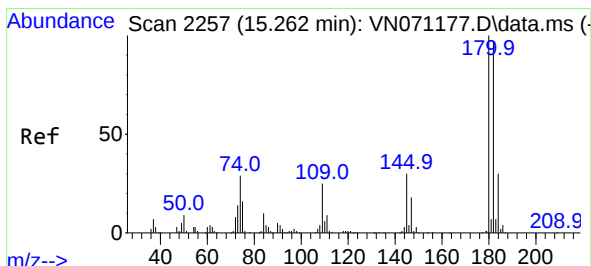
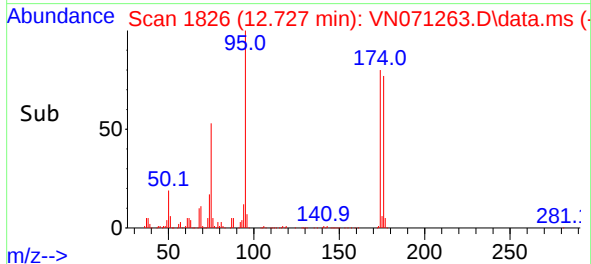
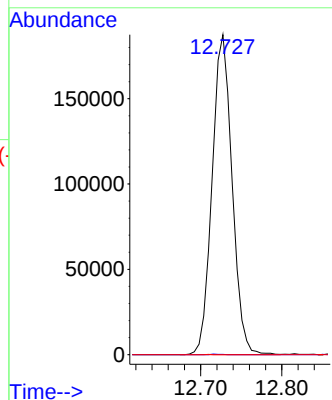
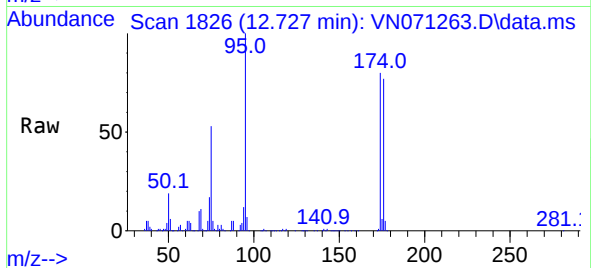




#81
trans-1,4-Dichloro-2-butene
Concen: 72.229 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

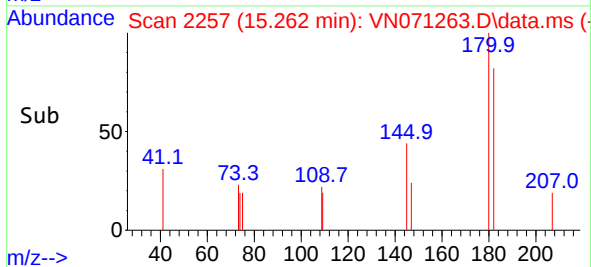
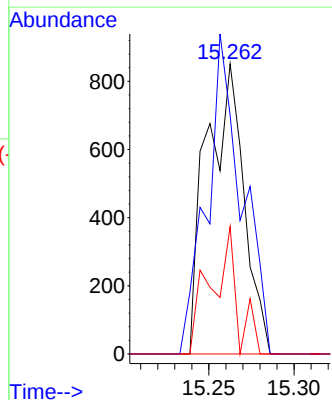
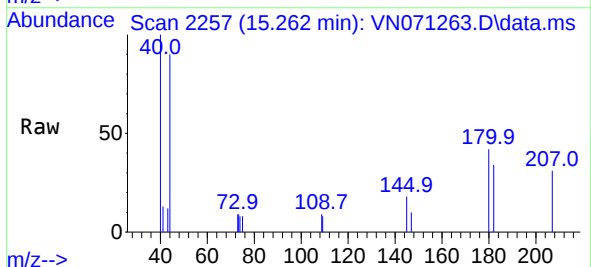
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

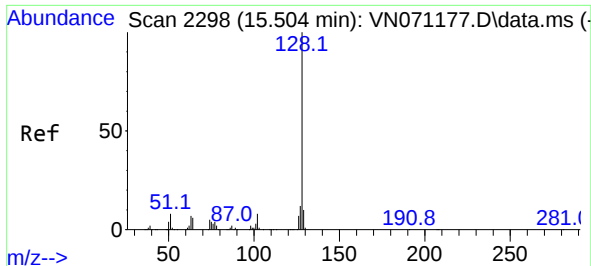
Tgt Ion: 75 Resp: 320558
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.145 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion:180 Resp: 1299
Ion Ratio Lower Upper
180 100
182 102.8 48.3 144.9
145 16.6 14.5 43.5

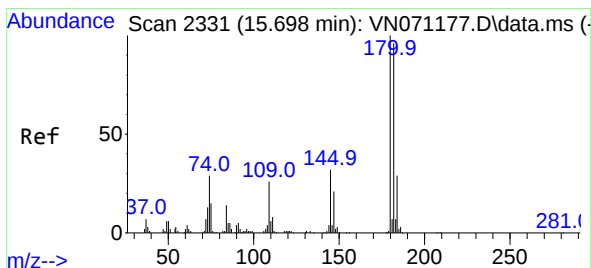
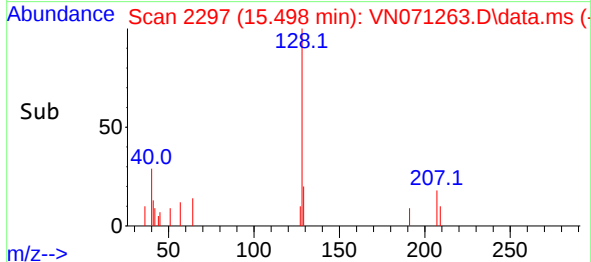
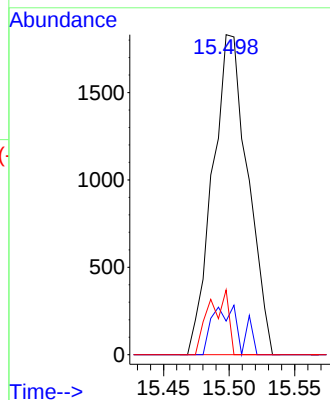
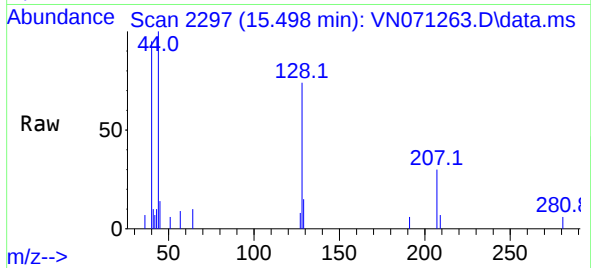




#95
Naphthalene
Concen: 5.207 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

Tgt Ion:	128	Resp:	3416
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.5	15.7
129	11.2	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.865 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071263.D
Acq: 14 Mar 2022 14:02

Tgt Ion:	180	Resp:	1061
Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.4	142.2
145	48.0	15.0	45.1#

