

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040822\
 Data File : VN071910.D
 Acq On : 08 Apr 2022 12:27
 Operator : JC\MD
 Sample : VN0408WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 05:05:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	527979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	901213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	928220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	318223	50.000	ug/l	0.00

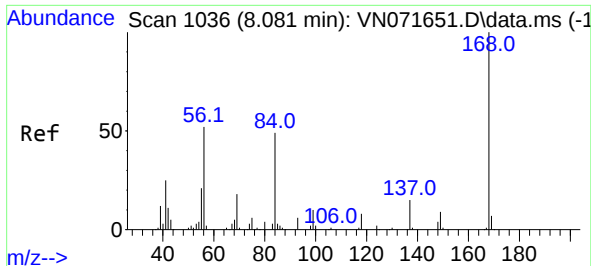
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	293995	48.776	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.560%
35) Dibromofluoromethane	8.016	113	257042	48.470	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.940%
50) Toluene-d8	10.439	98	1132728	52.214	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.420%
62) 4-Bromofluorobenzene	12.727	95	360879	51.436	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.880%

Target Compounds			Qvalue			
3) Chloromethane	2.299	50	3602	0.677	ug/l #	74
5) Bromomethane	2.869	94	1759	0.463	ug/l #	73
6) Chloroethane	3.010	64	851	0.203	ug/l #	81
13) Acrolein	4.040	56	306	0.257	ug/l #	37
16) Acetone	4.298	43	5305	2.059	ug/l	94
18) Methyl Acetate	4.869	43	3757	Below Cal		92
20) Methylene Chloride	5.087	84	5641	1.039	ug/l #	78
31) Cyclohexane	8.080	56	9034	1.102	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	35712	4.822	ug/l #	49
38) Carbon Tetrachloride	8.086	117	46687	6.433	ug/l #	16
43) Isopropyl Acetate	8.598	43	6868	0.509	ug/l #	53
59) 2-Hexanone	11.086	43	1879	0.344	ug/l	92
76) 1,2,3-Trichloropropane	12.727	75	173600	23.549	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	173600	72.977	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.251	180	1584	2.386	ug/l #	55
95) Naphthalene	15.498	128	4548	4.093	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.698	180	1381	2.682	ug/l	93

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

Quant Time: Apr 09 05:05:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

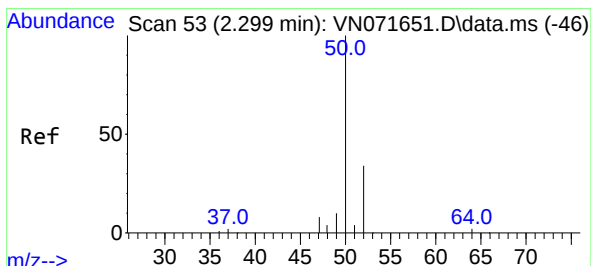
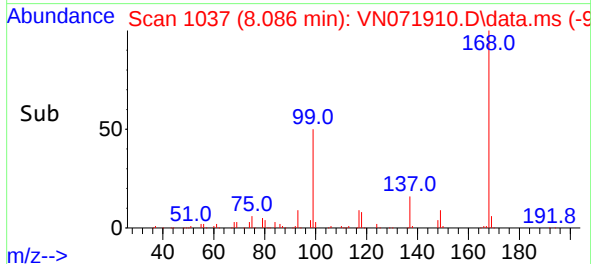
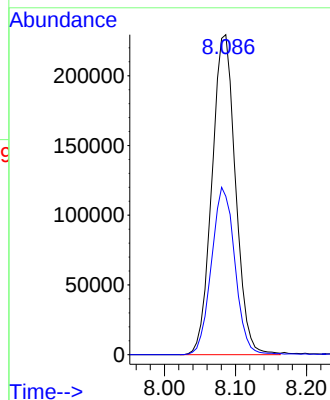
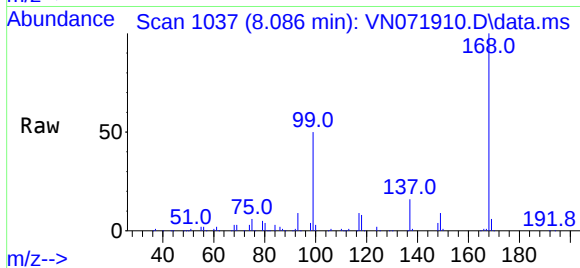




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

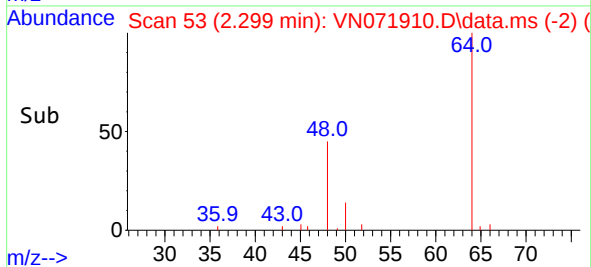
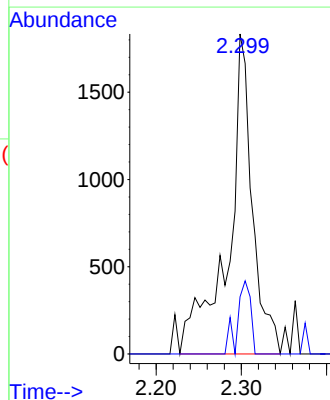
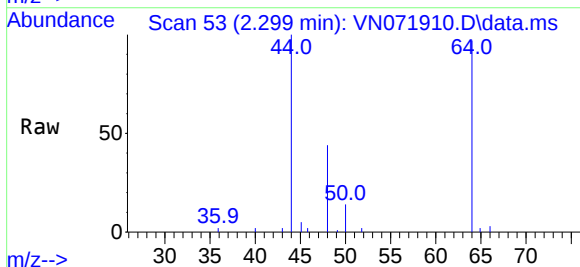
Instrument :
MSVOA_N
ClientSampleId :

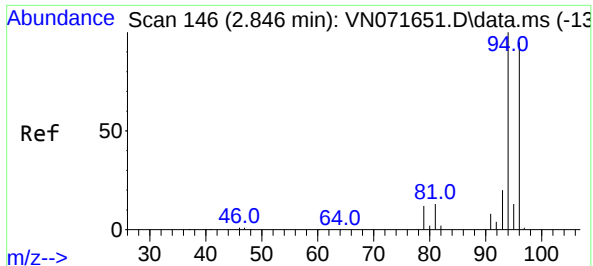
Tgt Ion:168 Resp: 527979
Ion Ratio Lower Upper
168 100
99 49.5 42.3 63.5



#3
Chloromethane
Concen: 0.677 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

Tgt Ion: 50 Resp: 3602
Ion Ratio Lower Upper
50 100
52 17.8 25.7 38.5#

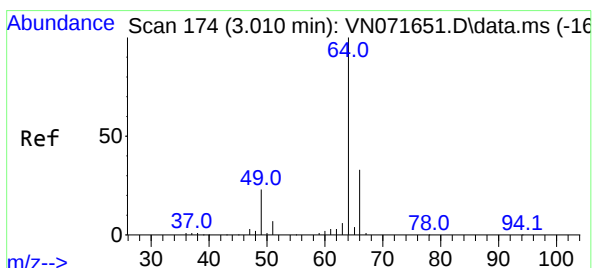
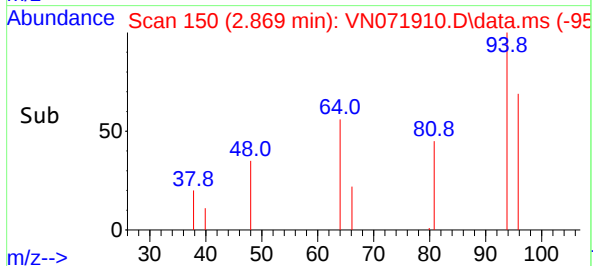
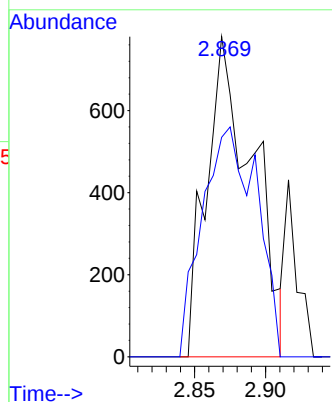
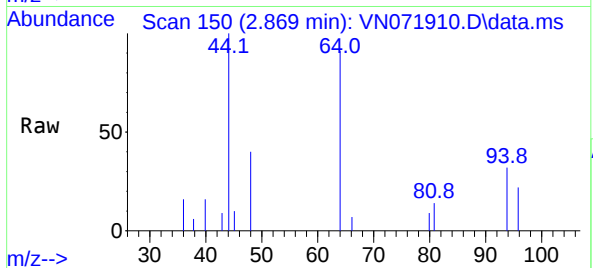




#5
Bromomethane
Concen: 0.463 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

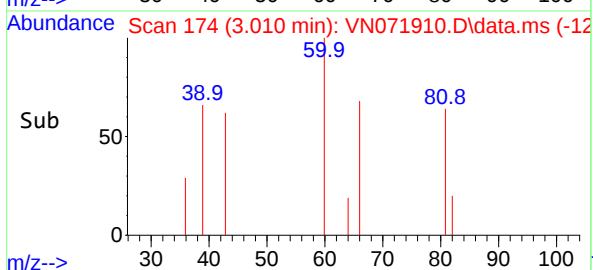
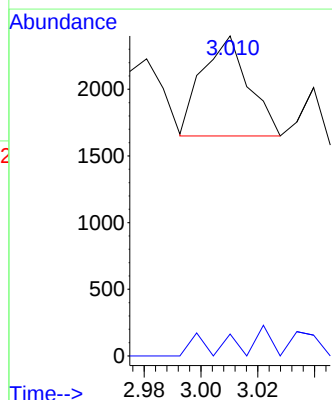
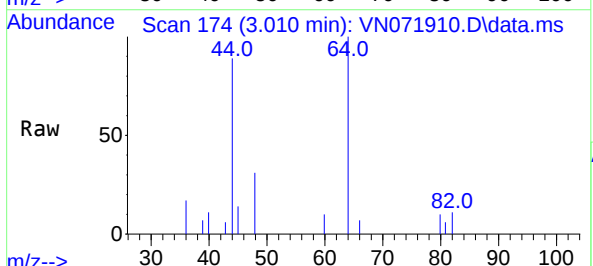
Instrument :
MSVOA_N
ClientSampleId :

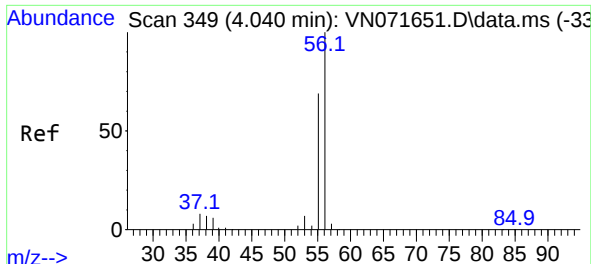
Tgt Ion: 94 Resp: 1759
Ion Ratio Lower Upper
94 100
96 68.6 76.0 114.0#



#6
Chloroethane
Concen: 0.203 ug/l
RT: 3.010 min Scan# 174
Delta R.T. 0.000 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

Tgt Ion: 64 Resp: 851
Ion Ratio Lower Upper
64 100
66 22.0 26.2 39.4#

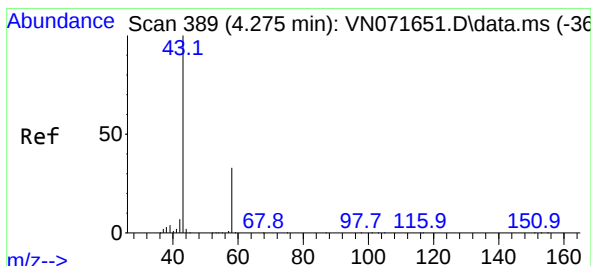
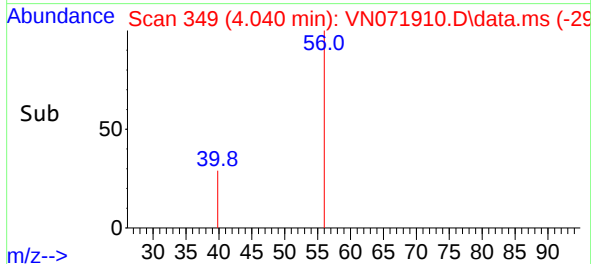
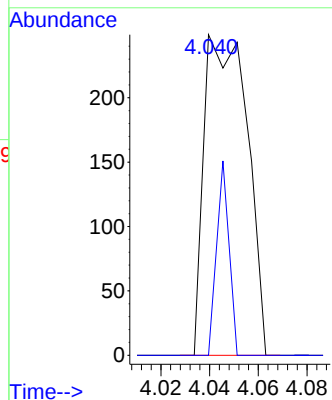
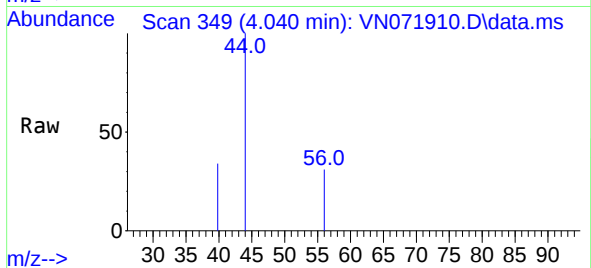




#13
Acrolein
Concen: 0.257 ug/l
RT: 4.040 min Scan# 349
Delta R.T. -0.000 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

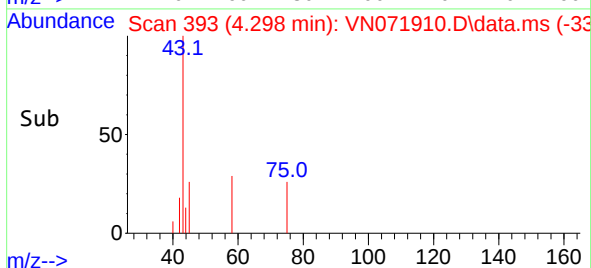
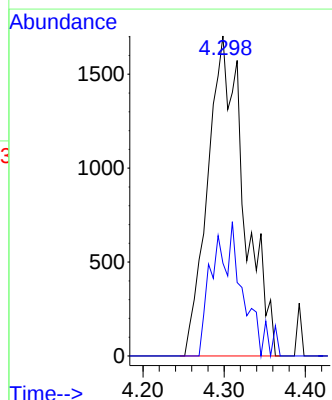
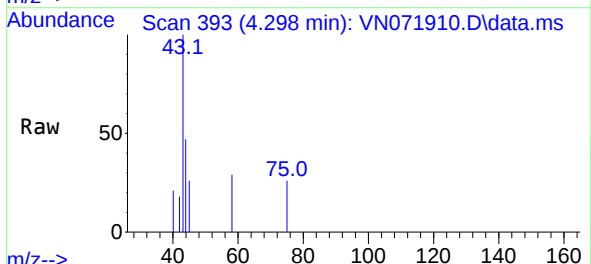
Instrument :
MSVOA_N
ClientSampleId :

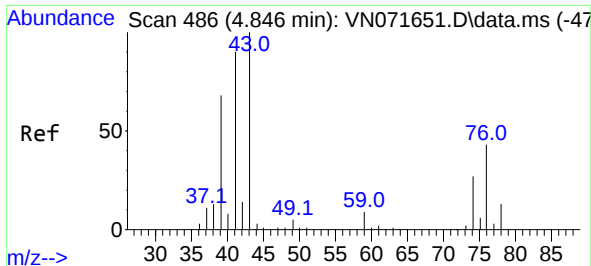
Tgt Ion: 56 Resp: 306
Ion Ratio Lower Upper
56 100
55 17.3 54.8 82.2#



#16
Acetone
Concen: 2.059 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.023 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

Tgt Ion: 43 Resp: 5305
Ion Ratio Lower Upper
43 100
58 29.0 26.0 39.0

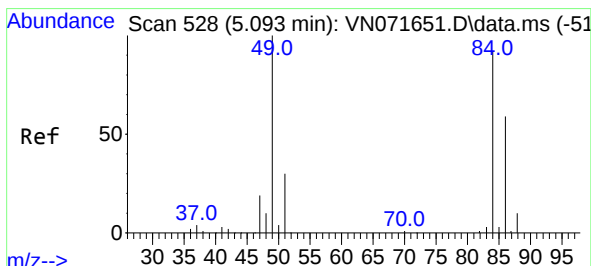
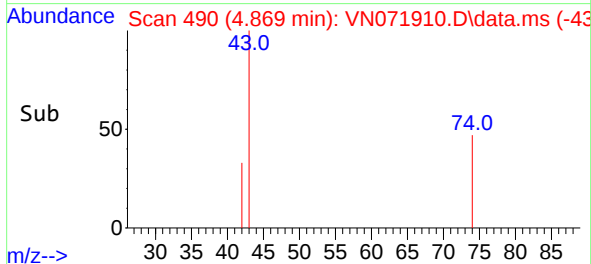
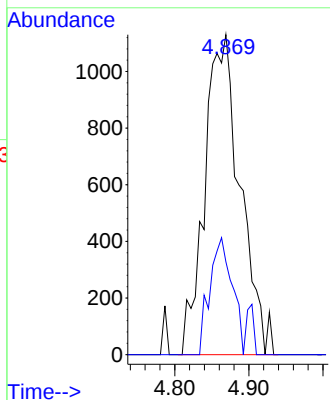
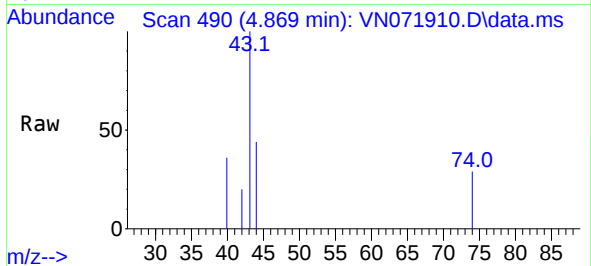




#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 49
Delta R.T. 0.023 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

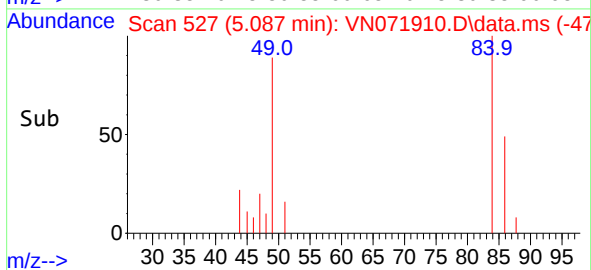
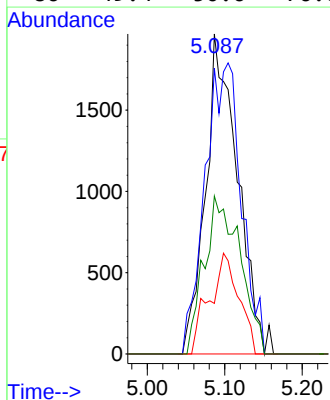
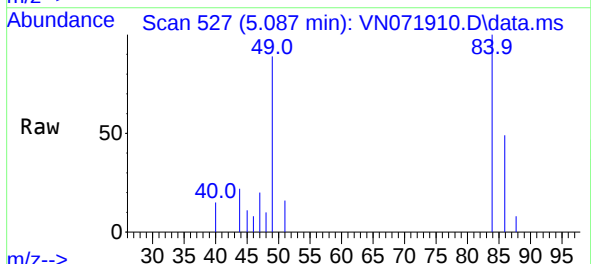
Instrument :
MSVOA_N
ClientSampleId :

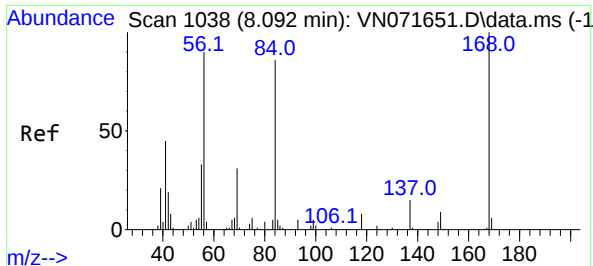
Tgt Ion: 43 Resp: 3757
Ion Ratio Lower Upper
43 100
74 23.1 21.6 32.4



#20
Methylene Chloride
Concen: 1.039 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

Tgt Ion: 84 Resp: 5641
Ion Ratio Lower Upper
84 100
49 89.3 88.3 132.5
51 15.8 28.2 42.2#
86 49.4 50.6 76.0#





#31

Cyclohexane

Concen: 1.102 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

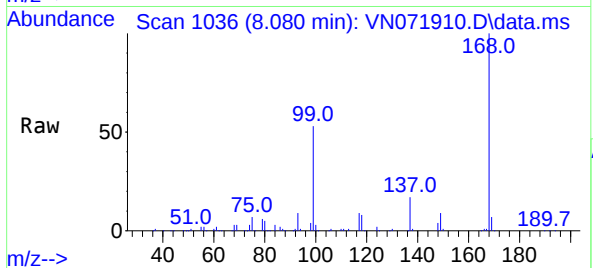
Lab File: VN071910.D

Acq: 08 Apr 2022 12:27

Instrument :

MSVOA_N

ClientSampleId :



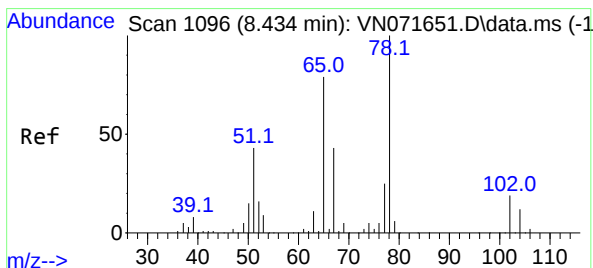
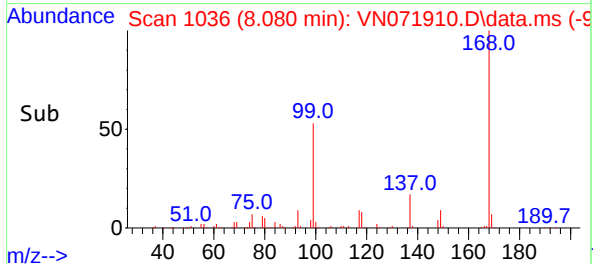
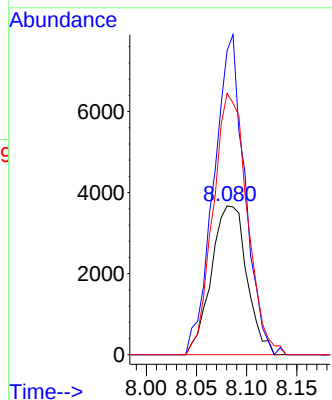
Tgt Ion: 56 Resp: 9034

Ion Ratio Lower Upper

56 100

69 204.2 27.8 41.8#

84 175.5 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 48.776 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071910.D

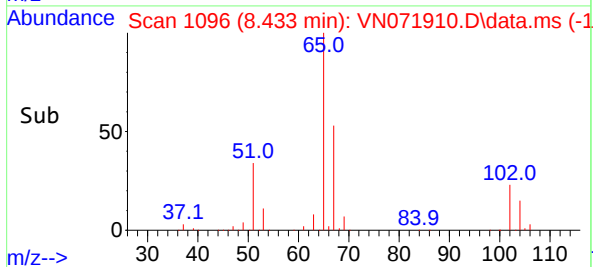
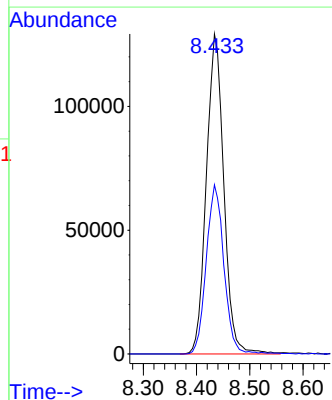
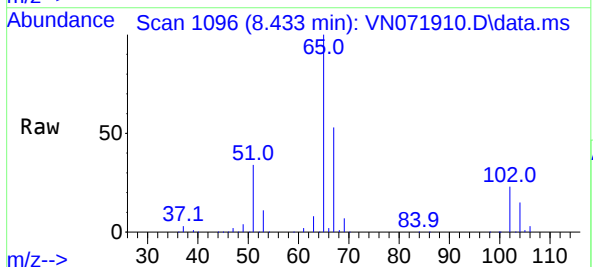
Acq: 08 Apr 2022 12:27

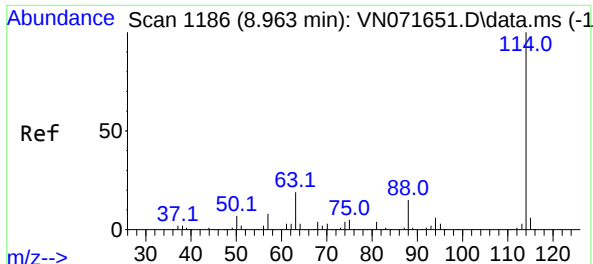
Tgt Ion: 65 Resp: 293995

Ion Ratio Lower Upper

65 100

67 53.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1186

Delta R.T. 0.006 min

Lab File: VN071910.D

Acq: 08 Apr 2022 12:27

Instrument :

MSVOA_N

ClientSampleId :

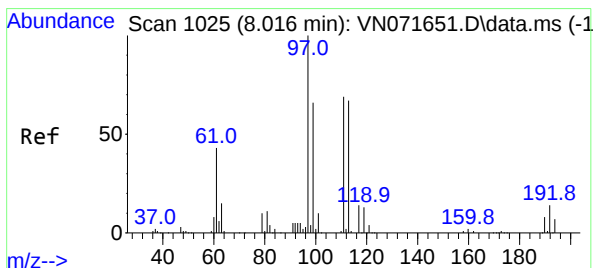
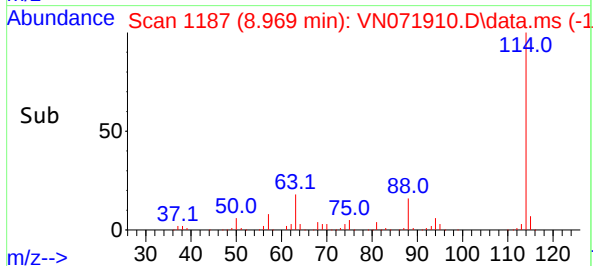
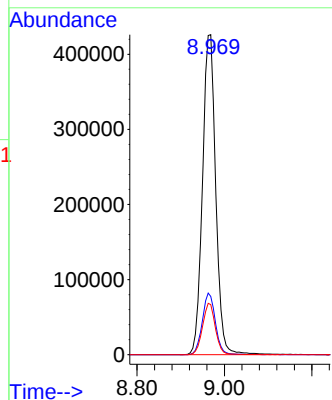
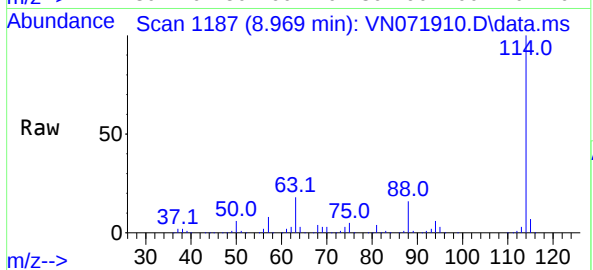
Tgt Ion:114 Resp: 901213

Ion Ratio Lower Upper

114 100

63 18.2 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.470 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN071910.D

Acq: 08 Apr 2022 12:27

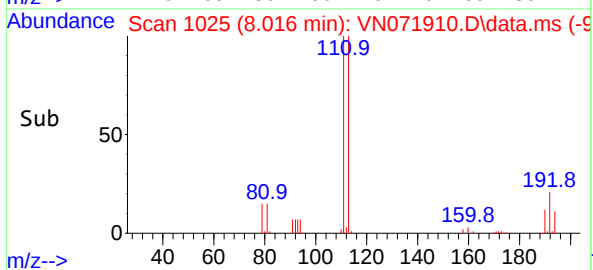
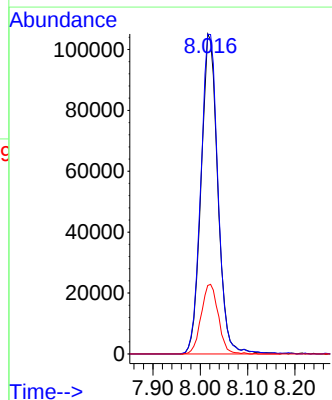
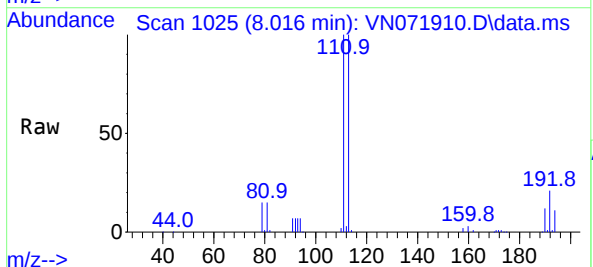
Tgt Ion:113 Resp: 257042

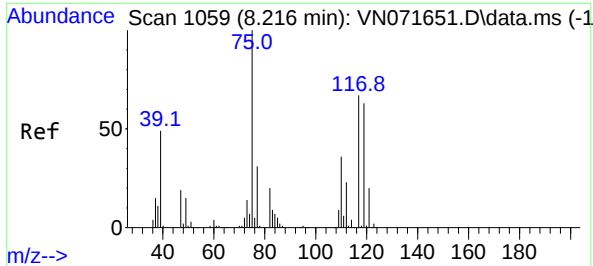
Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

192 22.3 17.0 25.6

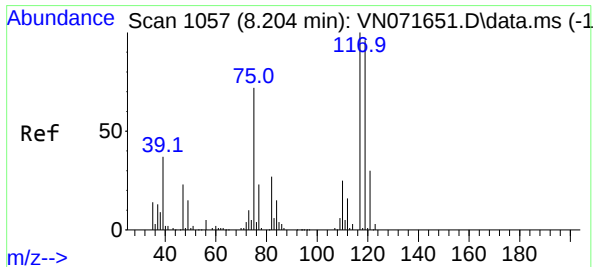
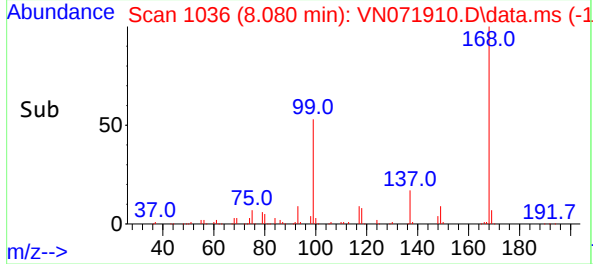
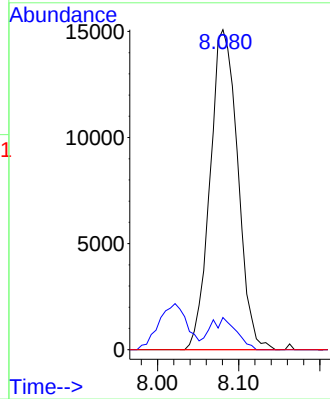
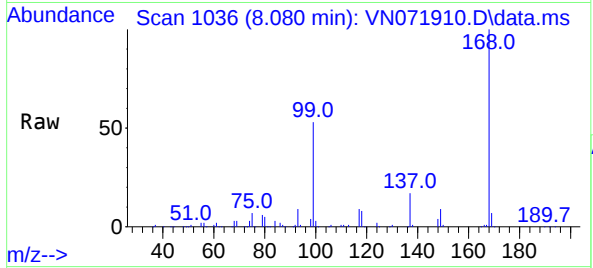




#36
1,1-Dichloropropene
Concen: 4.822 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.136 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

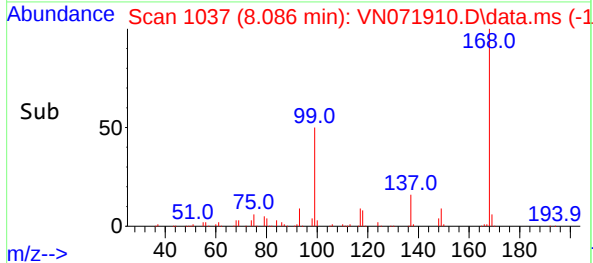
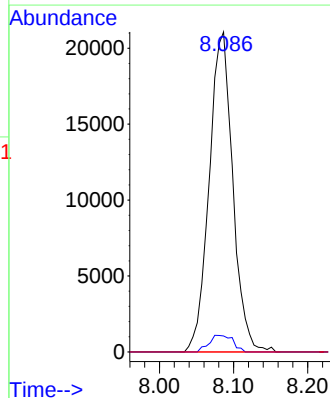
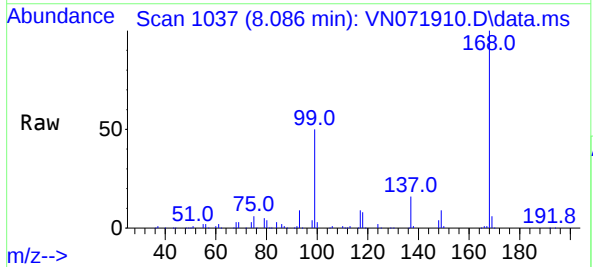
Instrument :
MSVOA_N
ClientSampleId :

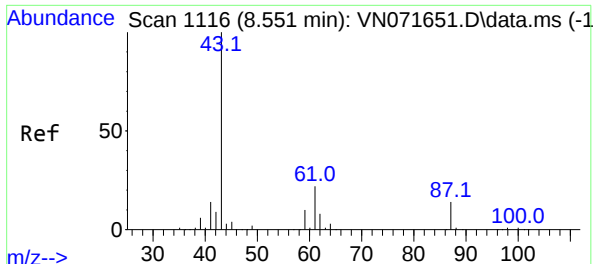
Tgt Ion: 75 Resp: 35712
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.433 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

Tgt Ion: 117 Resp: 46687
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#

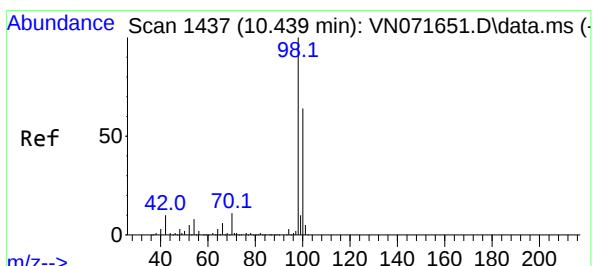
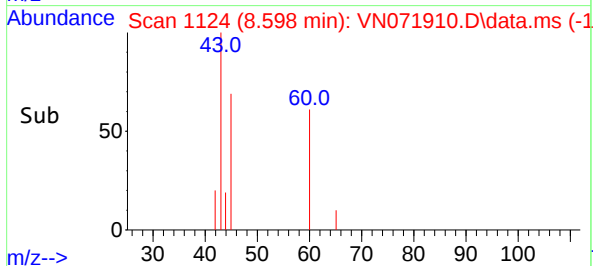
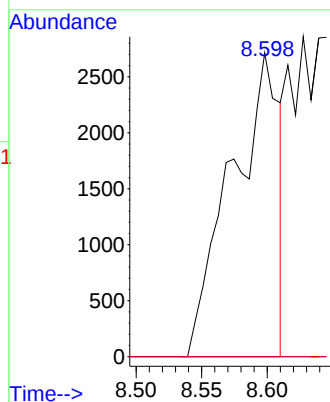
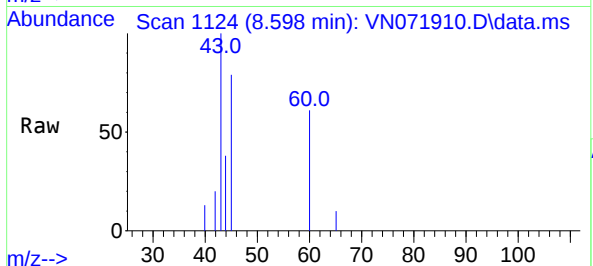




#43
Isopropyl Acetate
Concen: 0.509 ug/l
RT: 8.598 min Scan# 1116
Delta R.T. 0.047 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

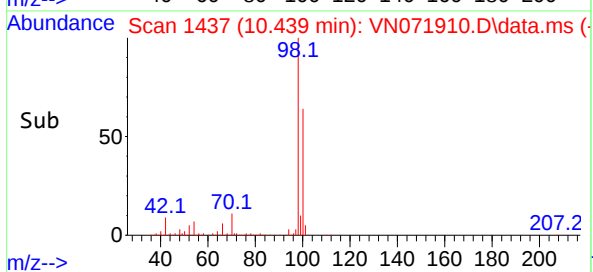
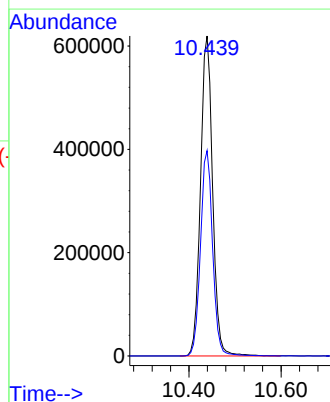
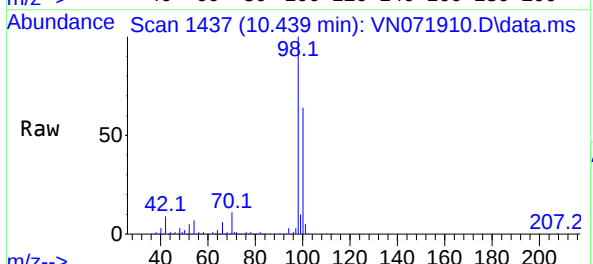
Instrument :
MSVOA_N
ClientSampleId :

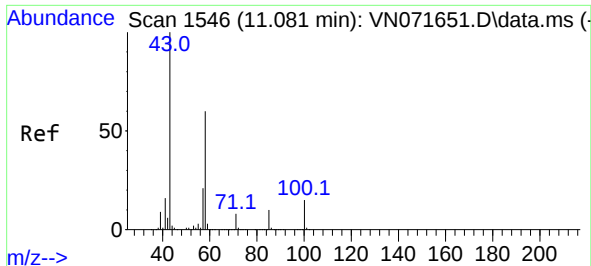
Tgt Ion: 43 Resp: 6868
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 52.214 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

Tgt Ion: 98 Resp: 1132728
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8

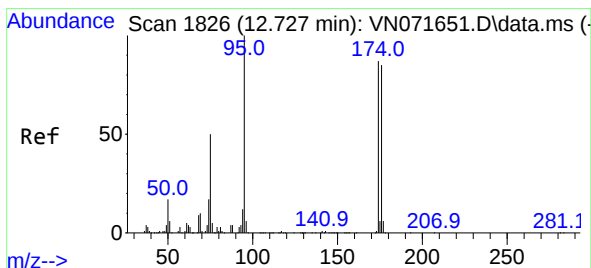
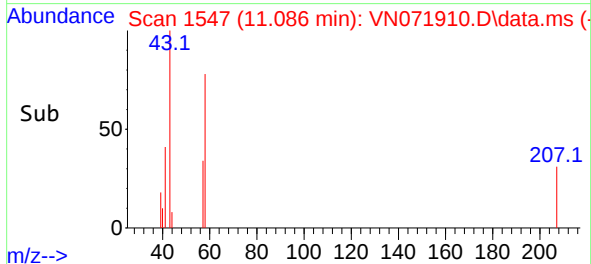
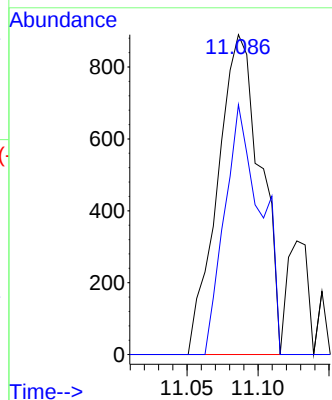
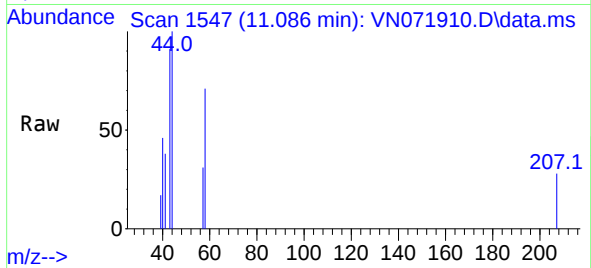




#59
2-Hexanone
Concen: 0.344 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

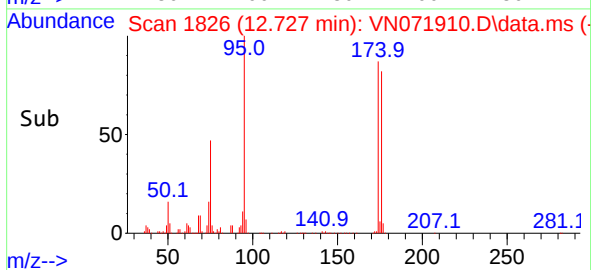
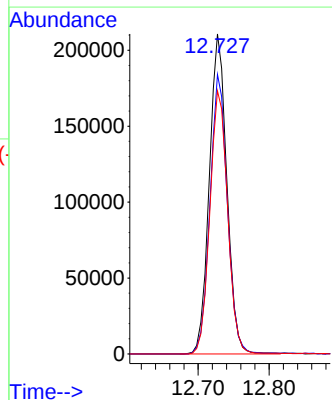
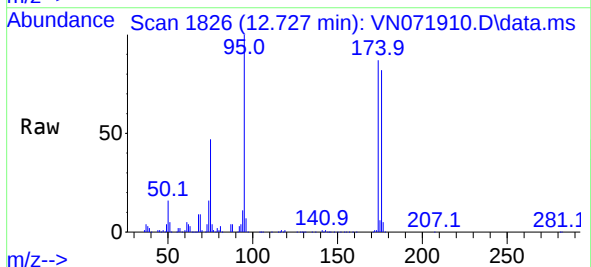
Instrument :
MSVOA_N
ClientSampleId :

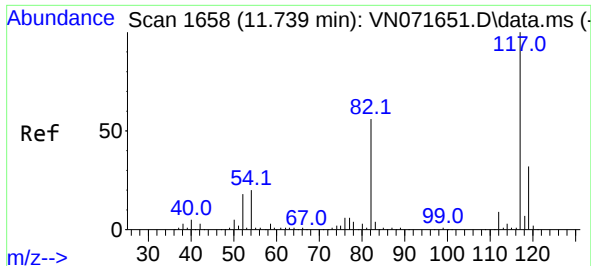
Tgt Ion: 43 Resp: 1879
Ion Ratio Lower Upper
43 100
58 65.6 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 51.436 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

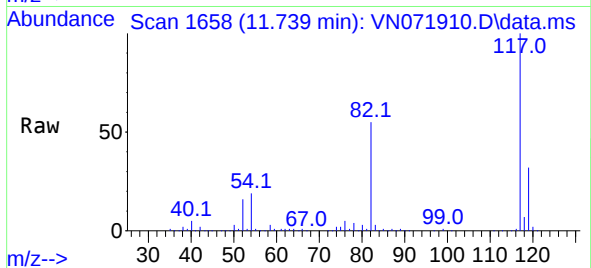
Tgt Ion: 95 Resp: 360879
Ion Ratio Lower Upper
95 100
174 86.5 0.0 167.6
176 83.4 0.0 163.4



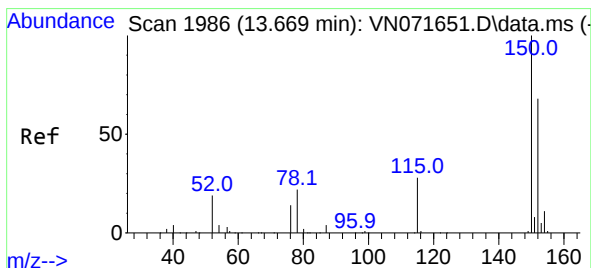
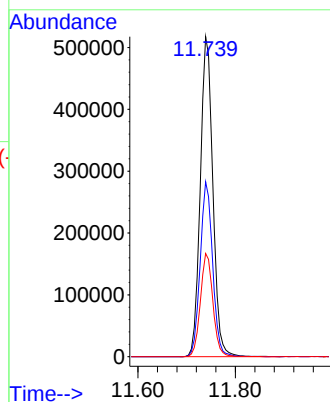
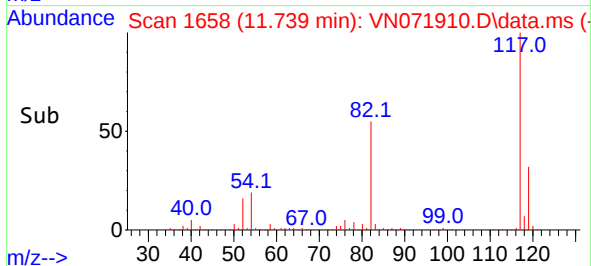


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

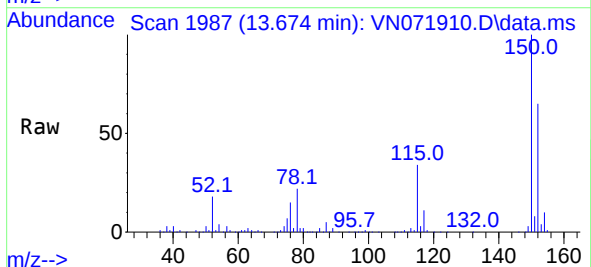
Instrument :
MSVOA_N
ClientSampleId :



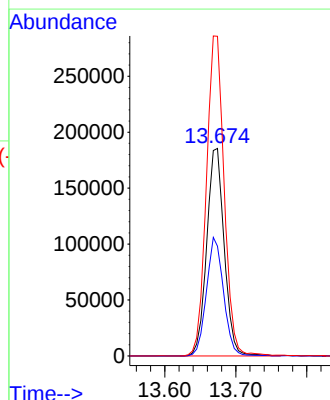
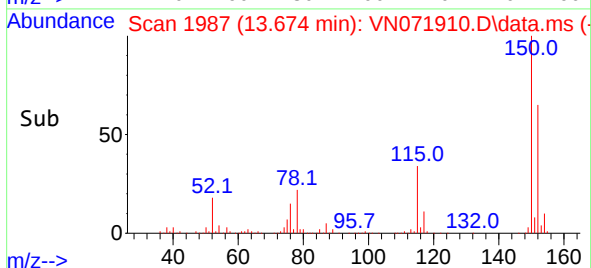
Tgt Ion:117 Resp: 928220
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 32.3 25.4 38.0

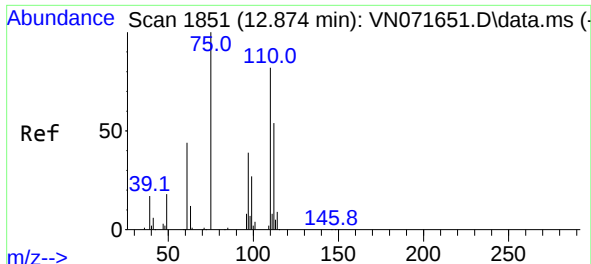


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27



Tgt Ion:152 Resp: 318223
Ion Ratio Lower Upper
152 100
115 56.0 28.9 86.7
150 156.7 0.0 356.2

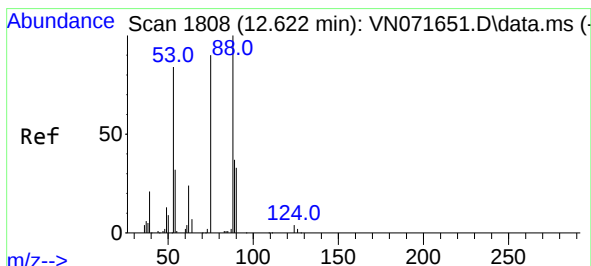
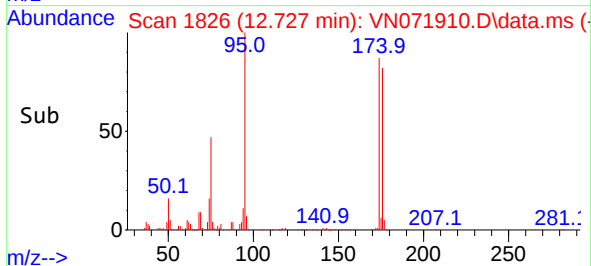
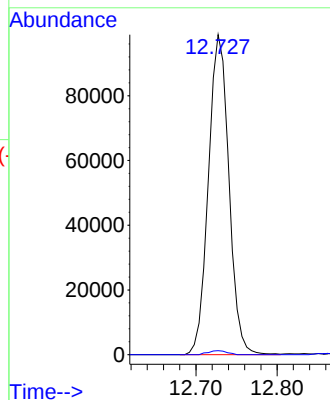
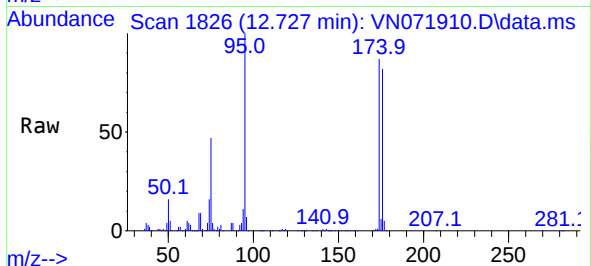




#76
1,2,3-Trichloropropane
Concen: 23.549 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

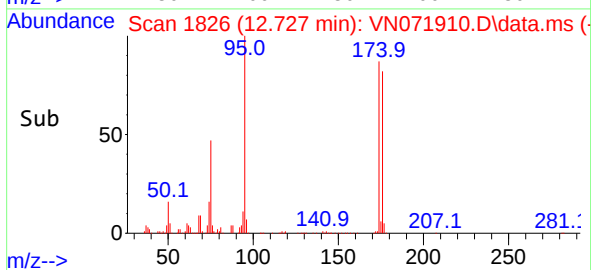
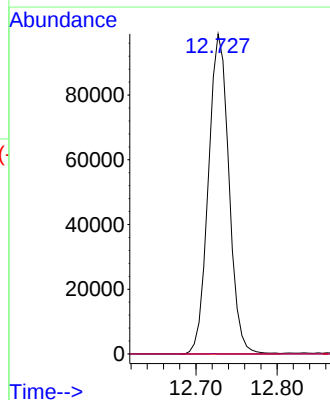
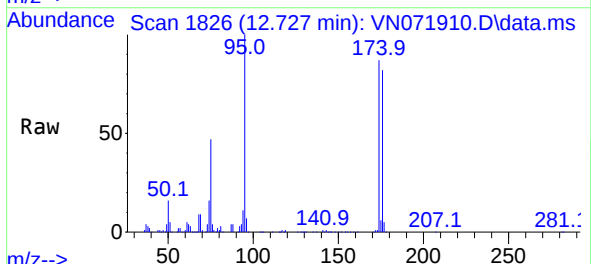
Instrument :
MSVOA_N
ClientSampleId :

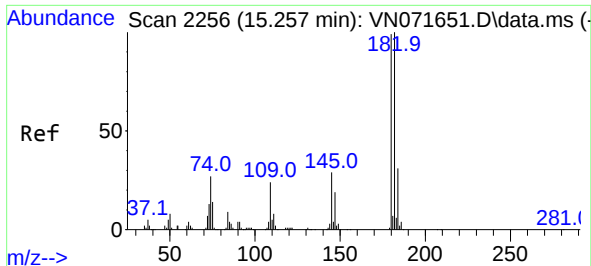
Tgt Ion: 75 Resp: 173600
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.977 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

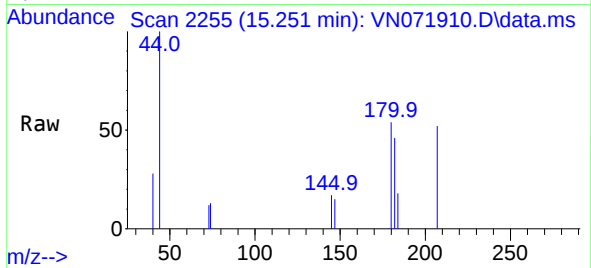
Tgt Ion: 75 Resp: 173600
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



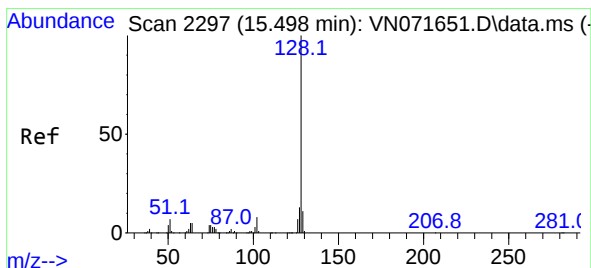
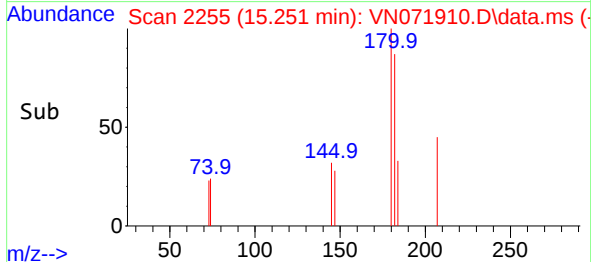
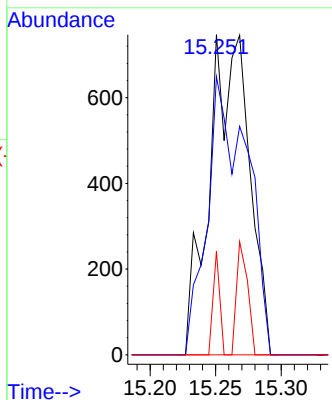


#93
1,2,4-Trichlorobenzene
Concen: 2.386 ug/l
RT: 15.251 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

Instrument :
MSVOA_N
ClientSampleId :

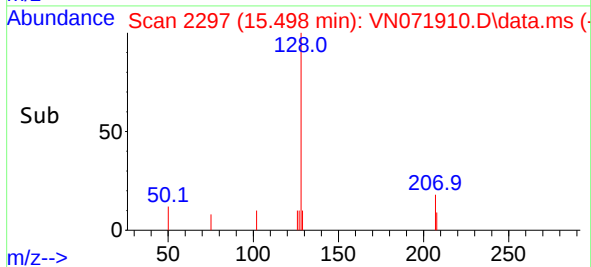
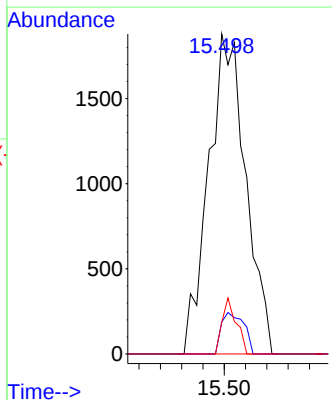
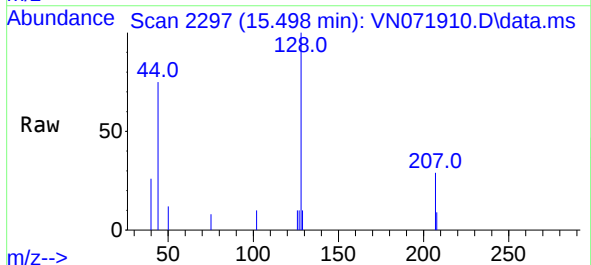


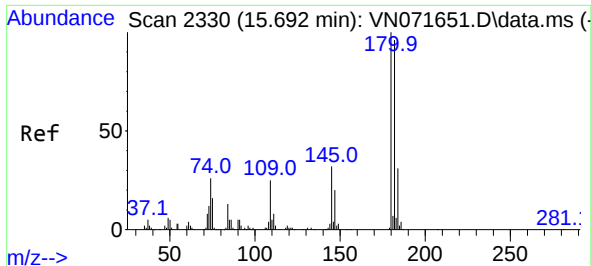
Tgt Ion:180 Resp: 1584
Ion Ratio Lower Upper
180 100
182 51.5 47.5 142.5
145 5.4 14.5 43.5#



#95
Naphthalene
Concen: 4.093 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071910.D
Acq: 08 Apr 2022 12:27

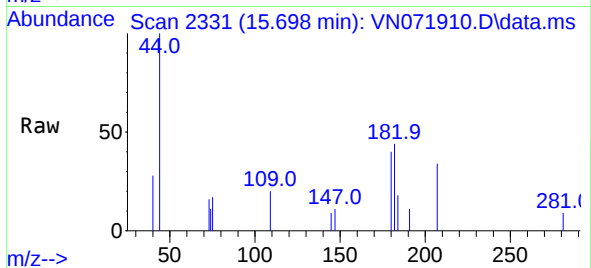
Tgt Ion:128 Resp: 4548
Ion Ratio Lower Upper
128 100
127 7.8 10.3 15.5#
129 6.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.682 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071910.D
 Acq: 08 Apr 2022 12:27

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1381
Ion	Ratio	Lower	Upper
180	100		
182	89.3	47.8	143.3
145	25.9	15.5	46.5

