

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071459.D
 Acq On : 22 Mar 2022 11:30
 Operator : JC\MD
 Sample : VN0322WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 07:06:07 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

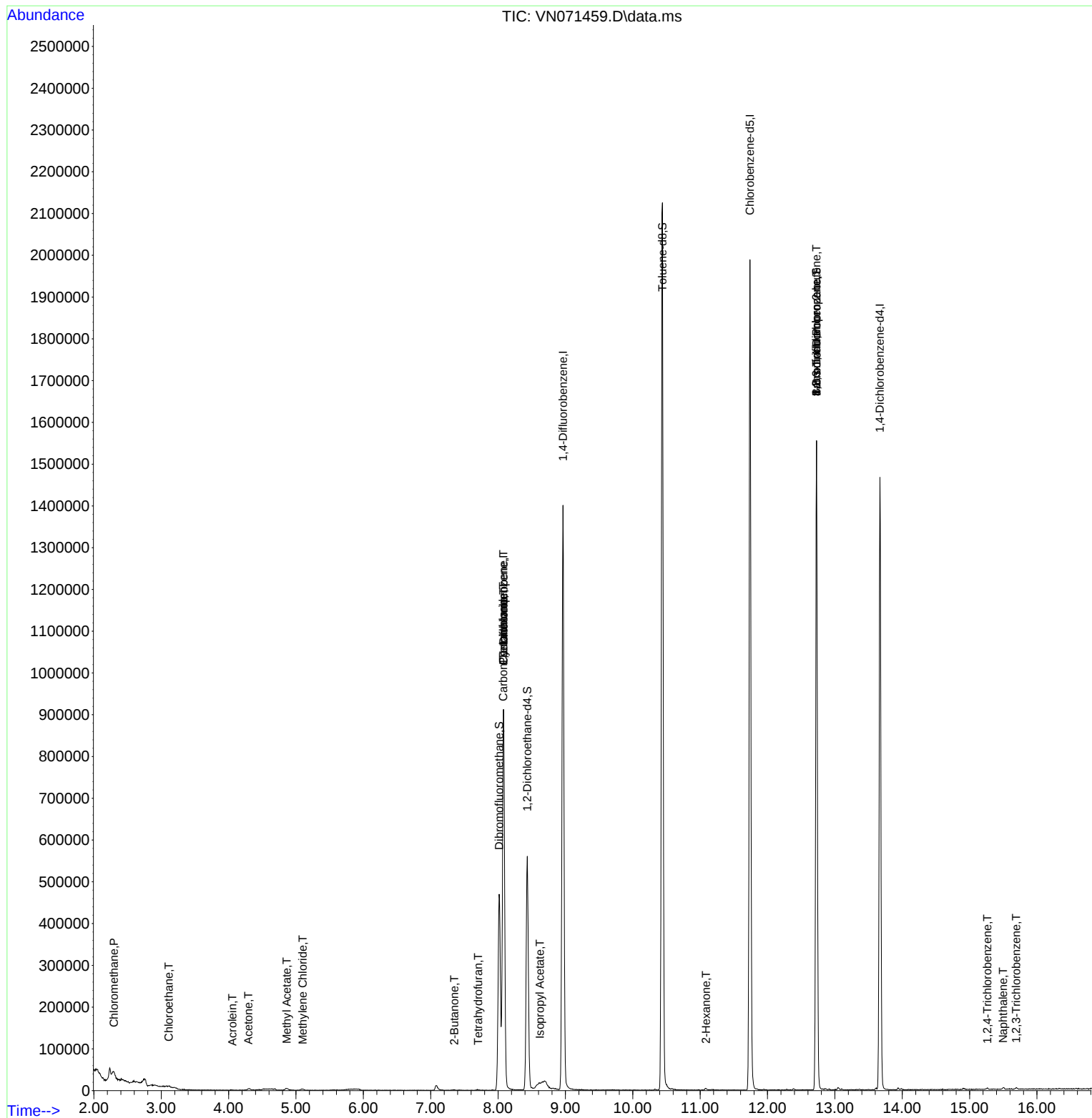
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	697422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1183685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1120721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	401587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	462614	48.399	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.800%
35) Dibromofluoromethane	8.016	113	348155	46.610	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.220%
50) Toluene-d8	10.439	98	1449958	48.213	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.420%
62) 4-Bromofluorobenzene	12.727	95	545915	53.606	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3889	0.345	ug/l	96
5) Bromomethane	2.857	94	1466	Below Cal	#	79
6) Chloroethane	3.110	64	4922	0.868	ug/l #	75
13) Acrolein	4.057	56	628	0.316	ug/l #	28
16) Acetone	4.293	43	4069	0.875	ug/l #	79
18) Methyl Acetate	4.863	43	10140	1.274	ug/l #	70
20) Methylene Chloride	5.098	84	2589	0.684	ug/l #	81
25) 2-Butanone	7.351	43	2289	0.306	ug/l #	48
29) Tetrahydrofuran	7.704	42	1255	0.242	ug/l #	62
31) Cyclohexane	8.081	56	14947	0.979	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	54628	4.565	ug/l #	49
38) Carbon Tetrachloride	8.075	117	68476	5.915	ug/l #	16
43) Isopropyl Acetate	8.622	43	23902	0.970	ug/l #	55
59) 2-Hexanone	11.086	43	3970	0.381	ug/l	99
71) Bromoform	12.727	173	3717	0.555	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.827	83	386	Below Cal	#	47
76) 1,2,3-Trichloropropane	12.727	75	279070	27.396	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	279070	75.120	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	1408	3.190	ug/l	79
95) Naphthalene	15.498	128	4733	5.299	ug/l	97
96) 1,2,3-Trichlorobenzene	15.692	180	1667	2.982	ug/l #	81

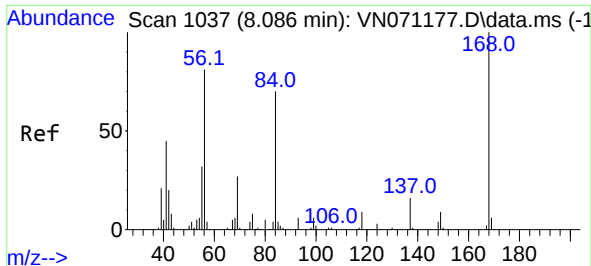
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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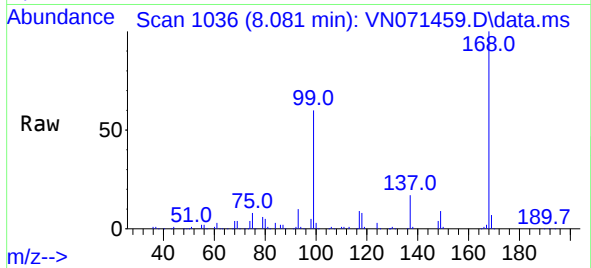
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
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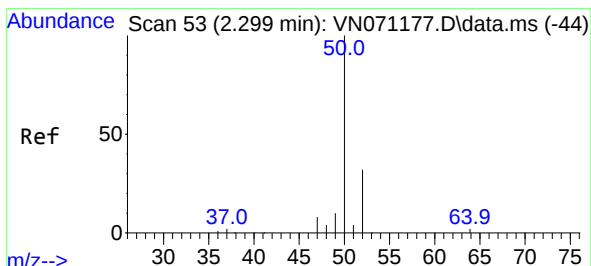
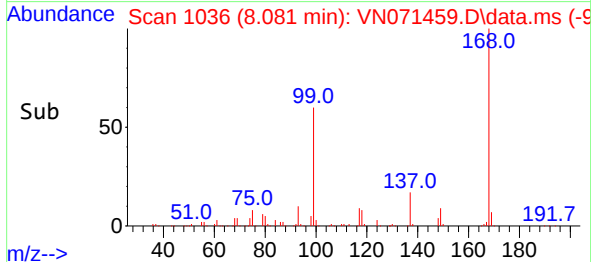
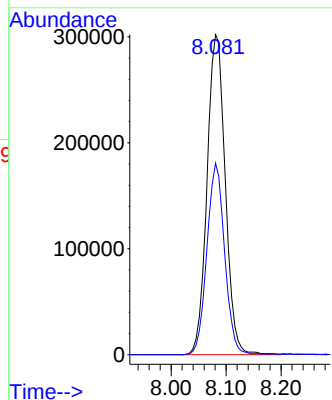


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

Instrument :
MSVOA_N
ClientSampleId :

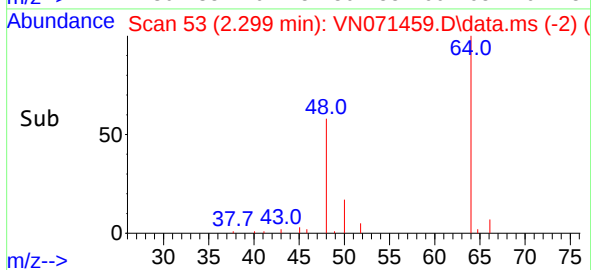
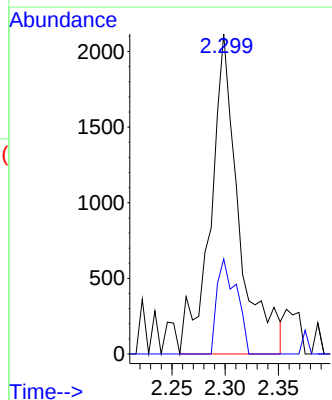
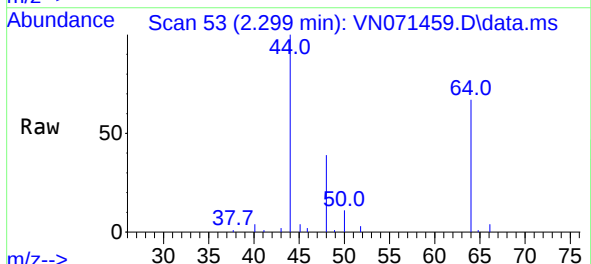


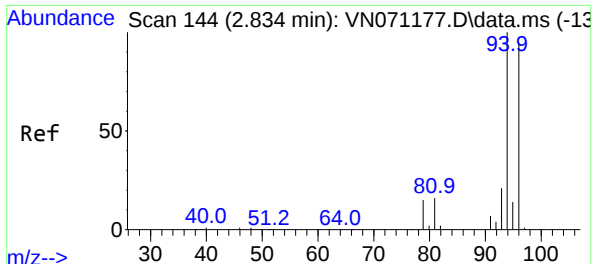
Tgt Ion:168 Resp: 697422
Ion Ratio Lower Upper
168 100
99 59.9 41.3 61.9



#3
Chloromethane
Concen: 0.345 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

Tgt Ion: 50 Resp: 3889
Ion Ratio Lower Upper
50 100
52 29.7 25.4 38.0

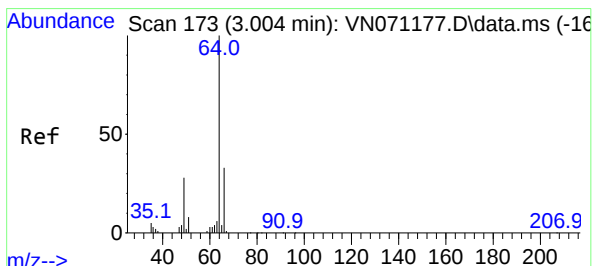
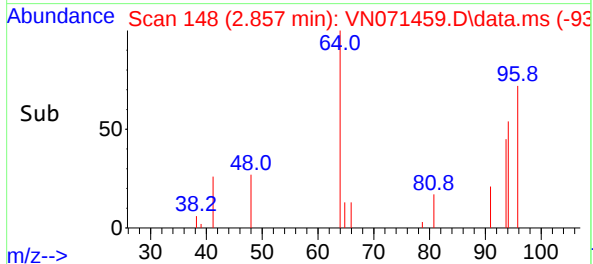
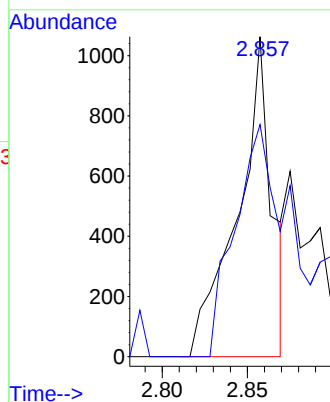
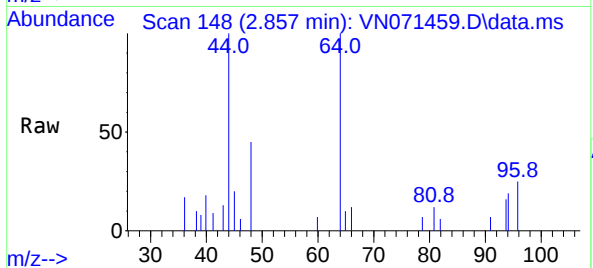




#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 14
Delta R.T. 0.023 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

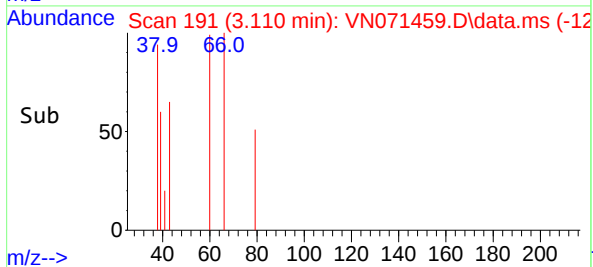
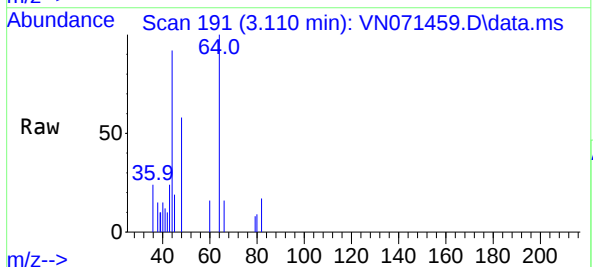
Instrument :
MSVOA_N
ClientSampleId :

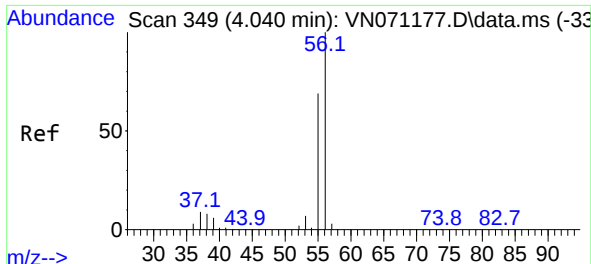
Tgt Ion: 94 Resp: 1466
Ion Ratio Lower Upper
94 100
96 72.5 73.8 110.8#



#6
Chloroethane
Concen: 0.868 ug/l
RT: 3.110 min Scan# 191
Delta R.T. 0.106 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

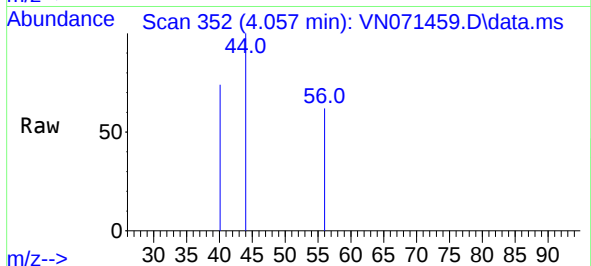
Tgt Ion: 64 Resp: 4922
Ion Ratio Lower Upper
64 100
66 19.0 26.3 39.5#



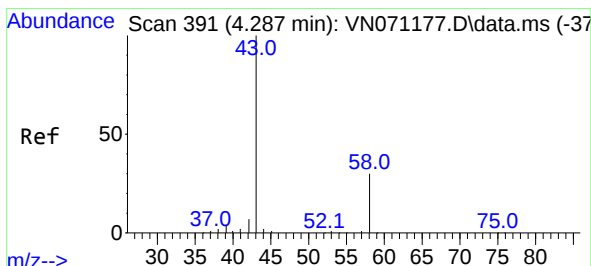
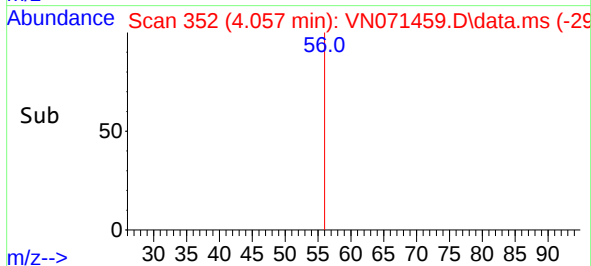
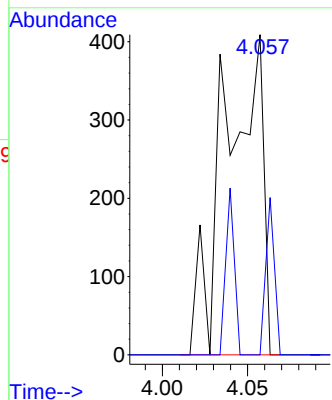


#13
Acrolein
Concen: 0.316 ug/l
RT: 4.057 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

Instrument :
MSVOA_N
ClientSampleId :

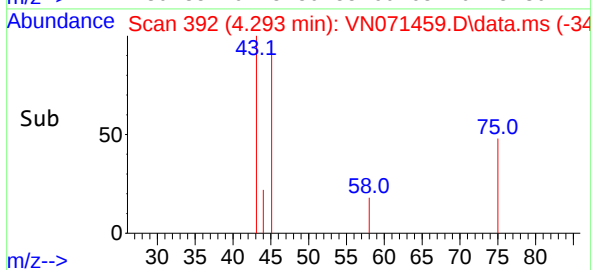
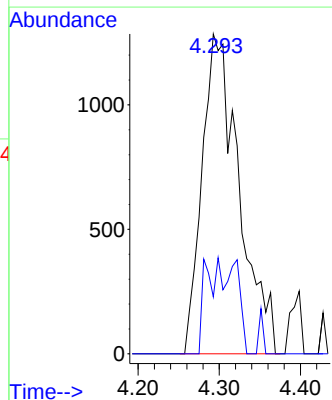
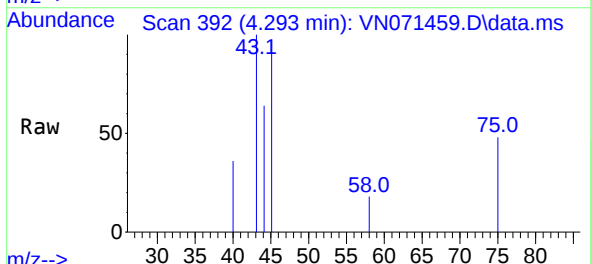


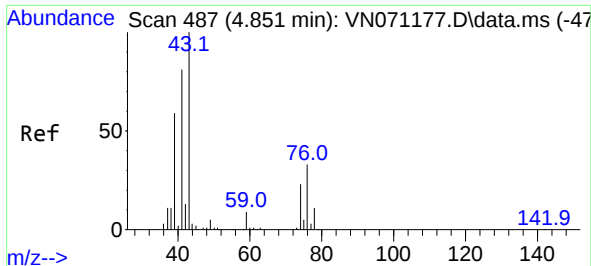
Tgt Ion: 56 Resp: 628
Ion Ratio Lower Upper
56 100
55 11.3 56.6 85.0#



#16
Acetone
Concen: 0.875 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

Tgt Ion: 43 Resp: 4069
Ion Ratio Lower Upper
43 100
58 17.8 23.1 34.7#

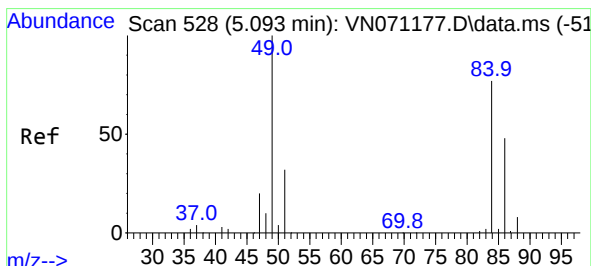
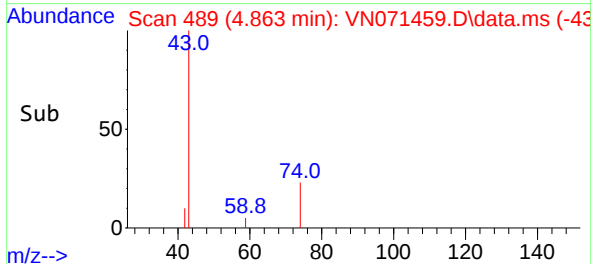
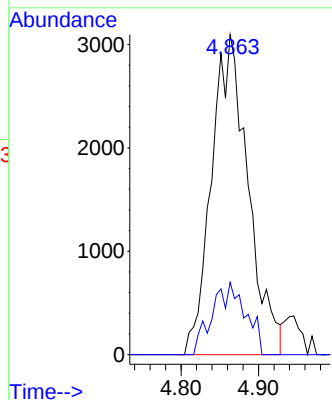
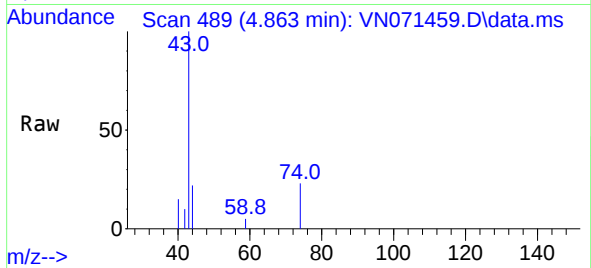




#18
Methyl Acetate
Concen: 1.274 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

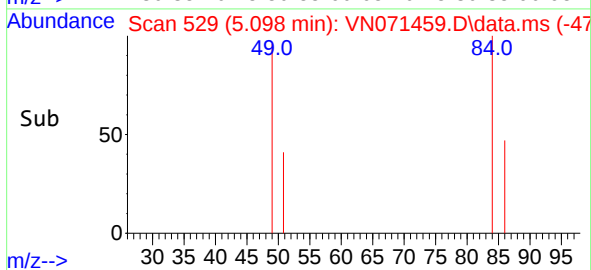
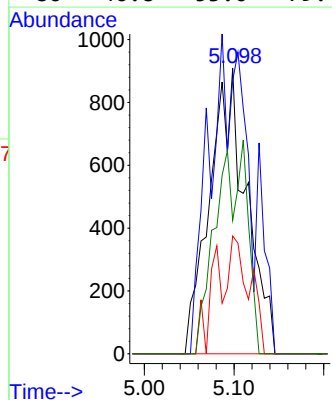
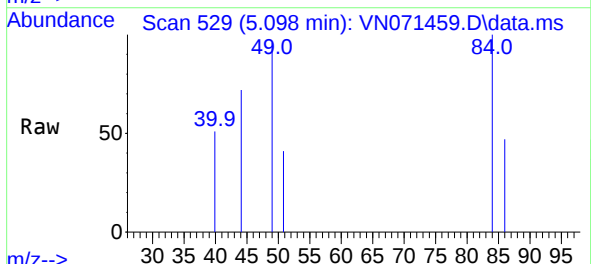
Instrument :
MSVOA_N
ClientSampleId :

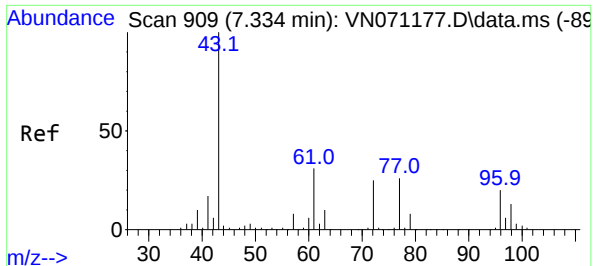
Tgt Ion: 43 Resp: 10140
Ion Ratio Lower Upper
43 100
74 9.5 19.4 29.2#



#20
Methylene Chloride
Concen: 0.684 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

Tgt Ion: 84 Resp: 2589
Ion Ratio Lower Upper
84 100
49 95.7 93.5 140.3
51 41.3 29.4 44.2
86 46.8 53.0 79.4#





#25

2-Butanone

Concen: 0.306 ug/l

RT: 7.351 min Scan# 912

Delta R.T. 0.018 min

Lab File: VN071459.D

Acq: 22 Mar 2022 11:30

Instrument :

MSVOA_N

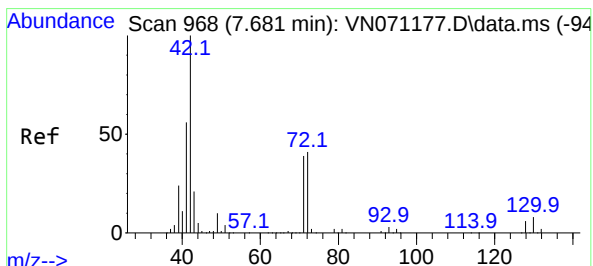
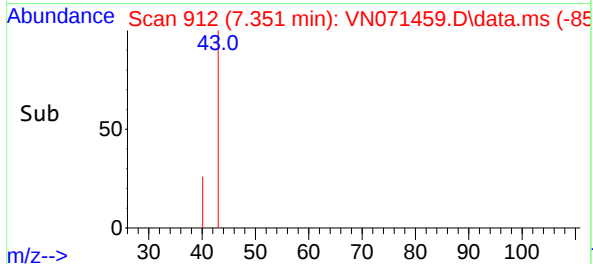
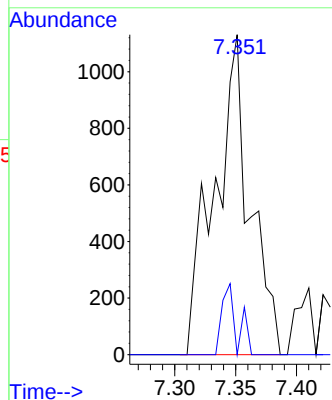
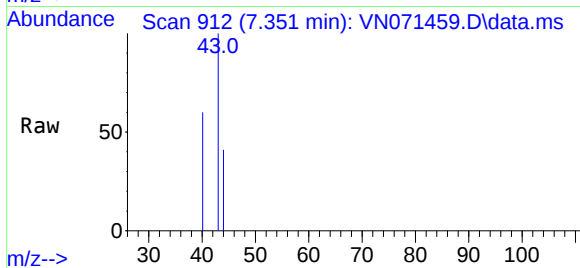
ClientSampleId :

Tgt Ion: 43 Resp: 2289

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.242 ug/l

RT: 7.704 min Scan# 972

Delta R.T. 0.024 min

Lab File: VN071459.D

Acq: 22 Mar 2022 11:30

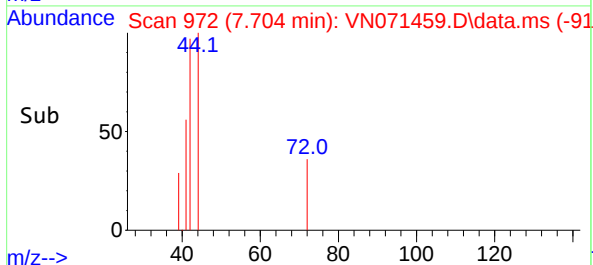
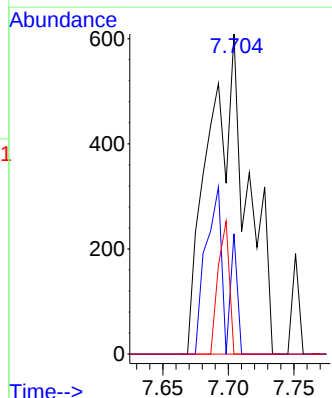
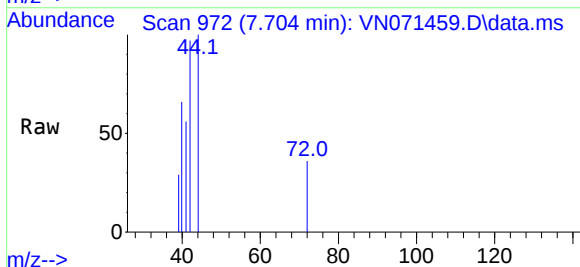
Tgt Ion: 42 Resp: 1255

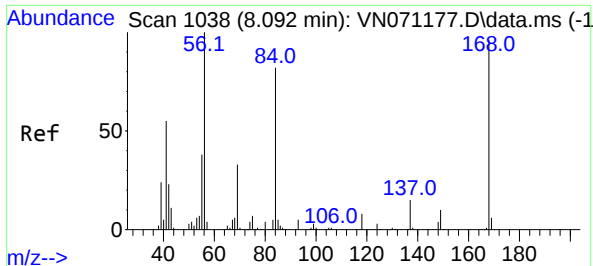
Ion Ratio Lower Upper

42 100

72 27.4 36.3 54.5#

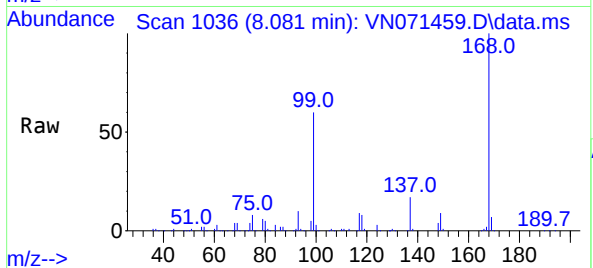
71 11.9 34.7 52.1#



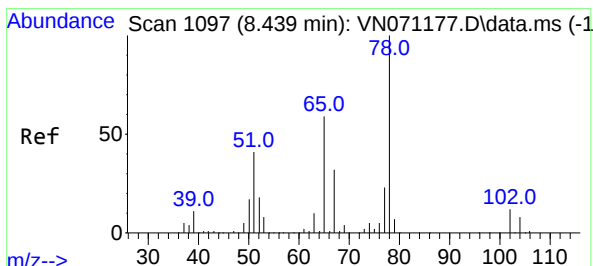
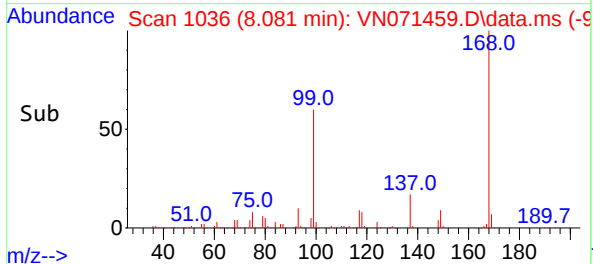
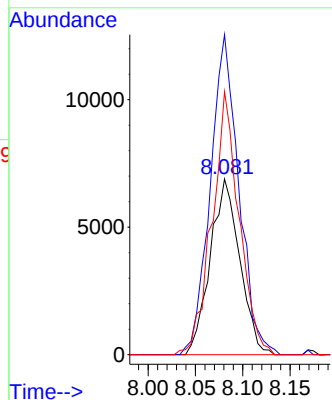


#31
Cyclohexane
Concen: 0.979 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

Instrument :
MSVOA_N
ClientSampleId :

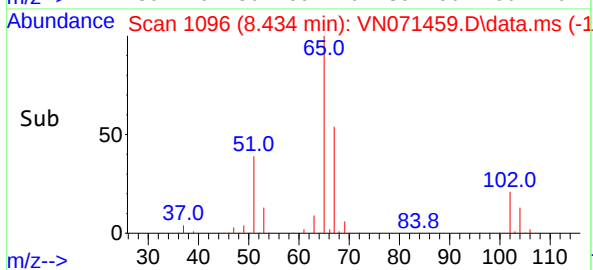
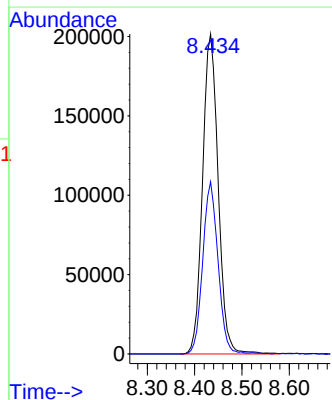
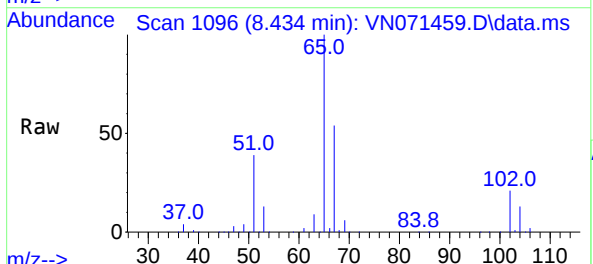


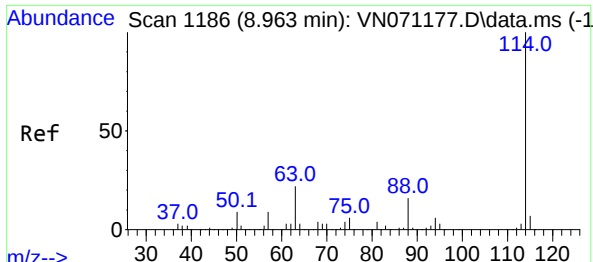
Tgt Ion: 56 Resp: 14947
Ion Ratio Lower Upper
56 100
69 182.1 27.1 40.7#
84 149.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 48.399 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

Tgt Ion: 65 Resp: 462614
Ion Ratio Lower Upper
65 100
67 52.4 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: VN071459.D

Acq: 22 Mar 2022 11:30

Instrument :

MSVOA_N

ClientSampleId :

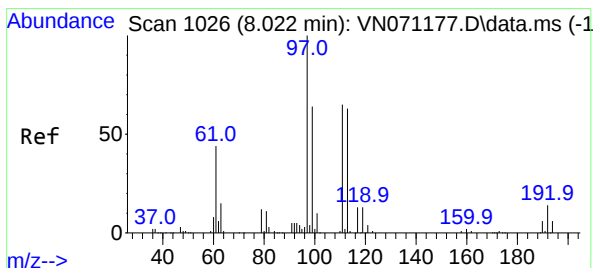
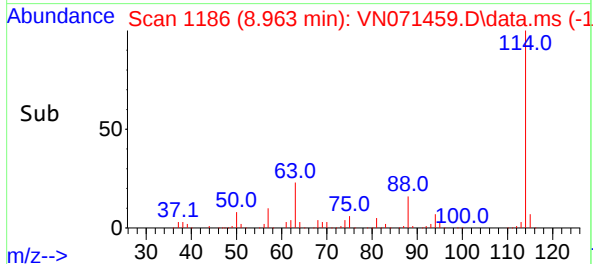
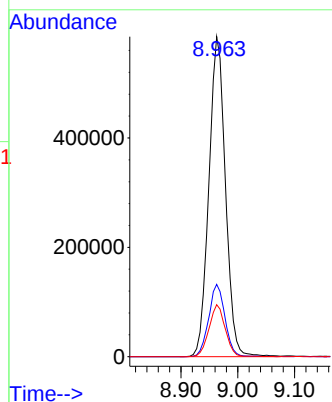
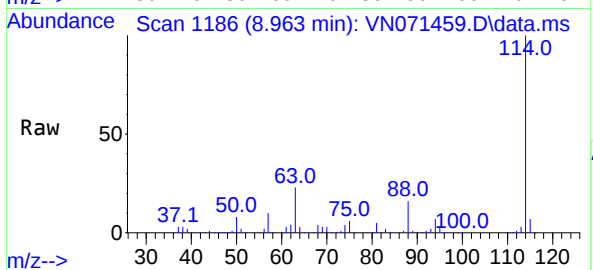
Tgt Ion:114 Resp: 1183685

Ion Ratio Lower Upper

114 100

63 22.6 0.0 37.8

88 16.3 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.610 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071459.D

Acq: 22 Mar 2022 11:30

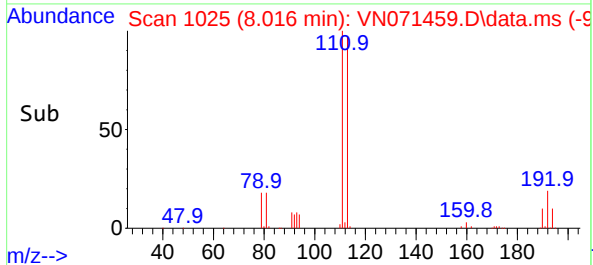
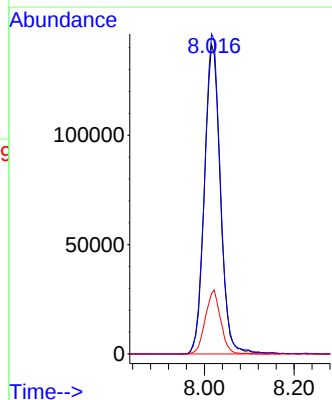
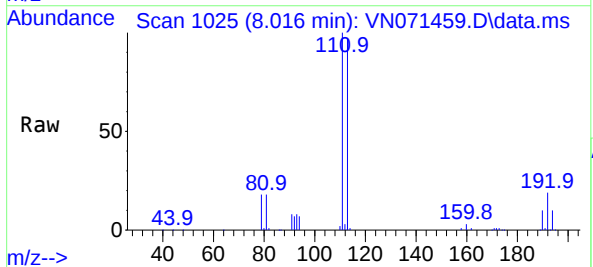
Tgt Ion:113 Resp: 348155

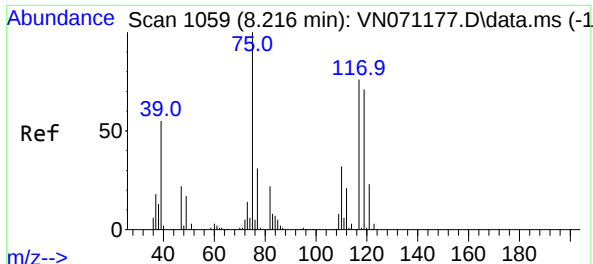
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

192 19.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.565 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071459.D

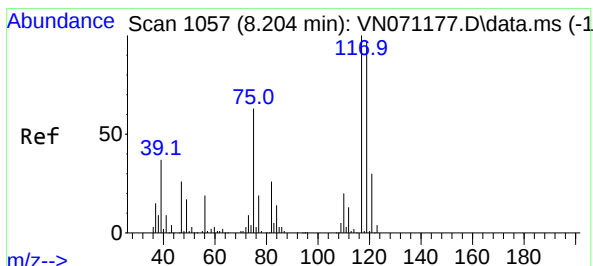
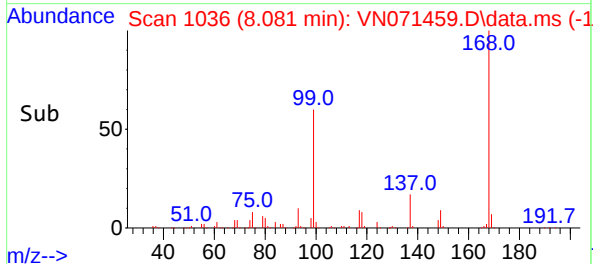
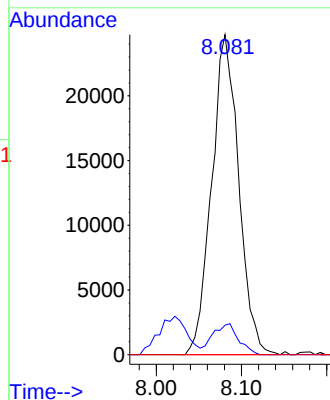
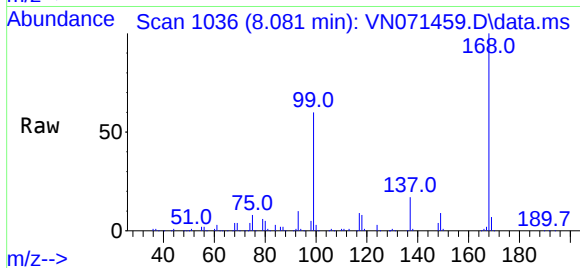
Acq: 22 Mar 2022 11:30

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	54628
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.4	55.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.915 ug/l

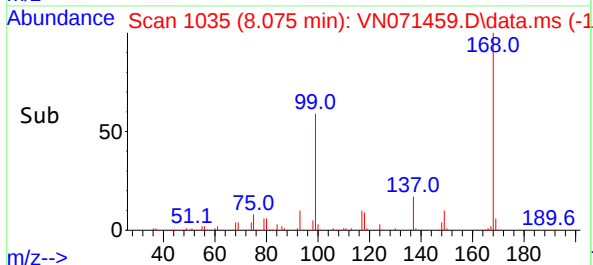
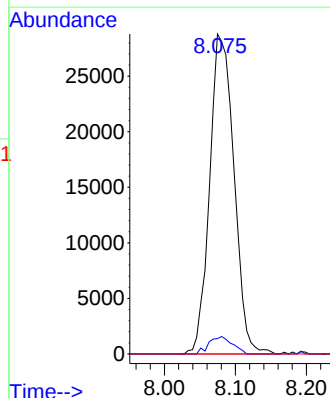
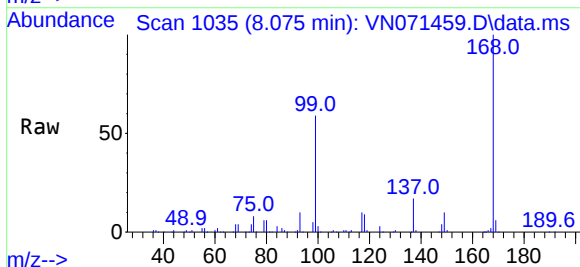
RT: 8.075 min Scan# 1035

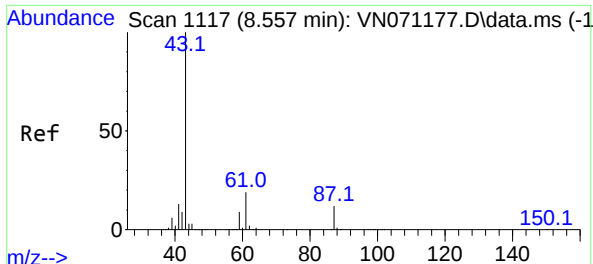
Delta R.T. -0.129 min

Lab File: VN071459.D

Acq: 22 Mar 2022 11:30

Tgt Ion:	117	Resp:	68476
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.1	114.1#
121	0.0	24.2	36.2#

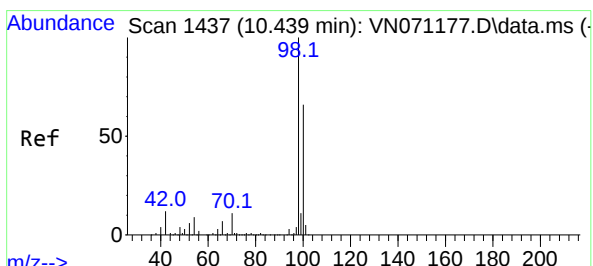
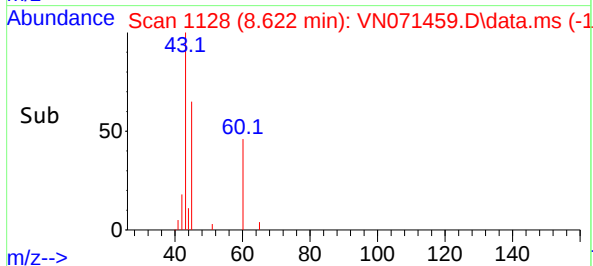
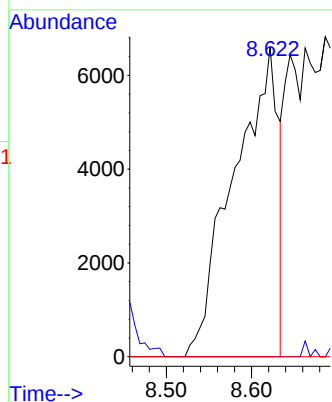
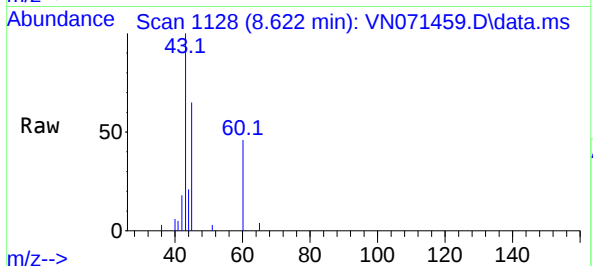




#43
Isopropyl Acetate
Concen: 0.970 ug/l
RT: 8.622 min Scan# 1117
Delta R.T. 0.065 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

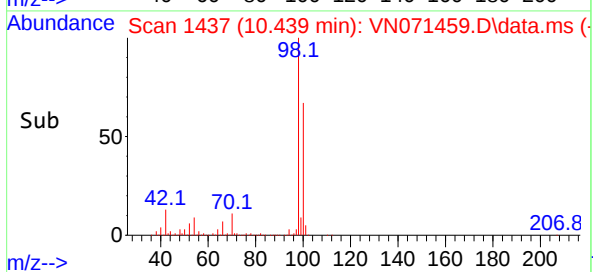
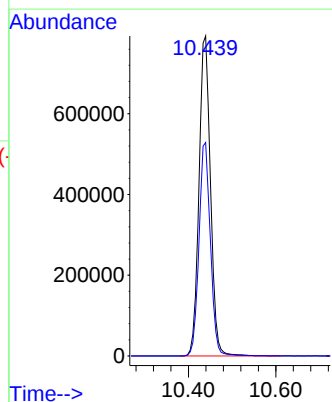
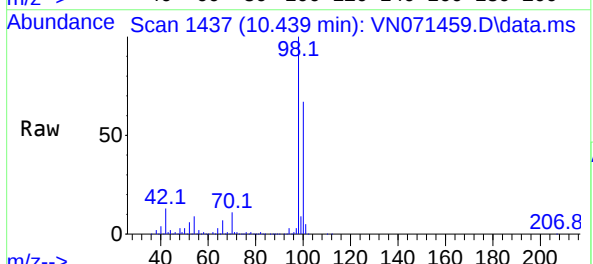
Instrument :
MSVOA_N
ClientSampleId :

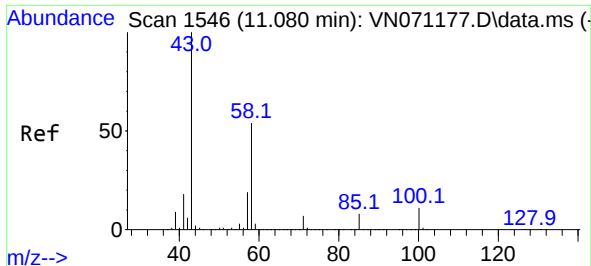
Tgt Ion: 43 Resp: 23902
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 48.213 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

Tgt Ion: 98 Resp: 1449958
Ion Ratio Lower Upper
98 100
100 66.4 50.4 75.6

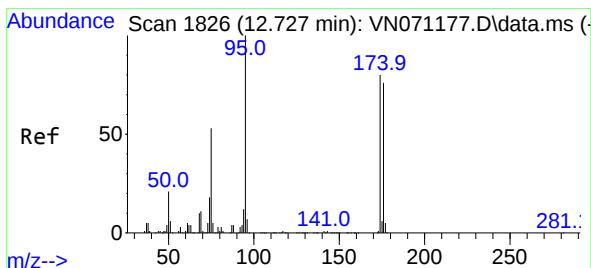
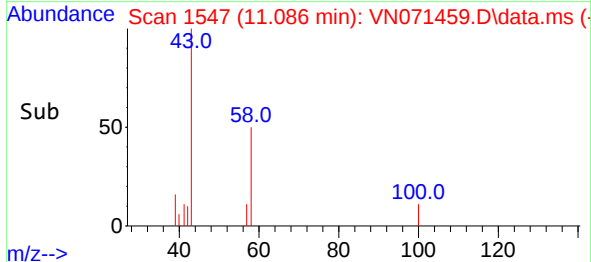
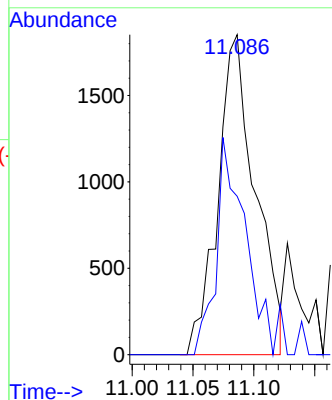
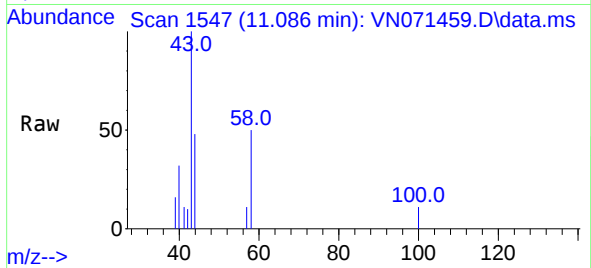




#59
2-Hexanone
Concen: 0.381 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

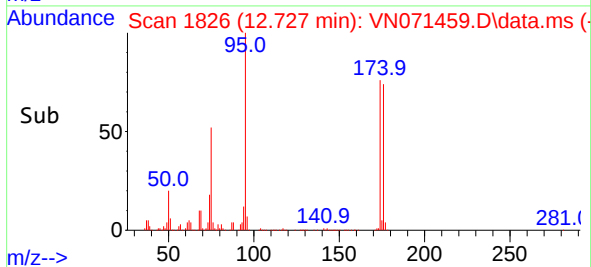
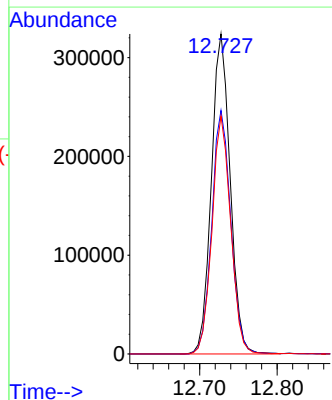
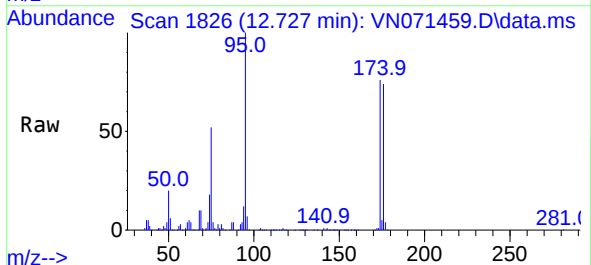
Instrument :
MSVOA_N
ClientSampleId :

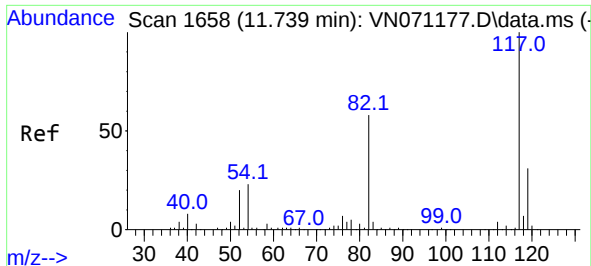
Tgt Ion: 43 Resp: 3970
Ion Ratio Lower Upper
43 100
58 54.3 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 53.606 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

Tgt Ion: 95 Resp: 545915
Ion Ratio Lower Upper
95 100
174 77.2 0.0 187.2
176 73.9 0.0 181.4

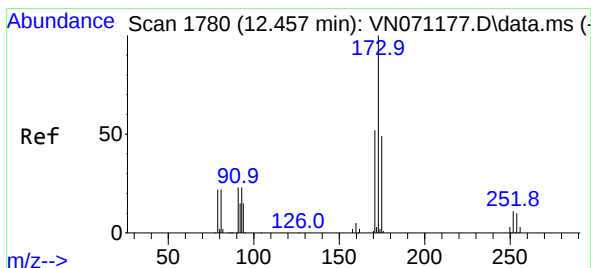
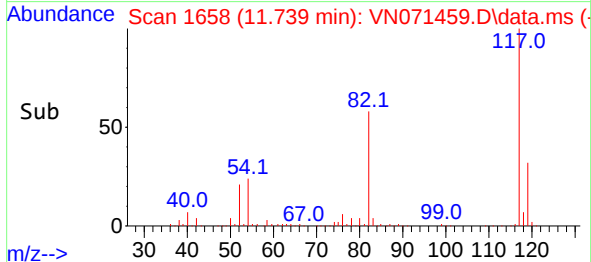
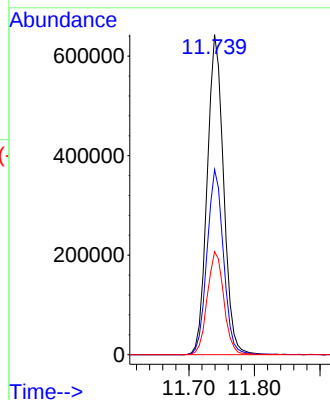
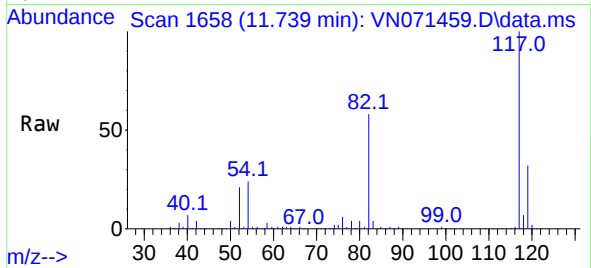




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

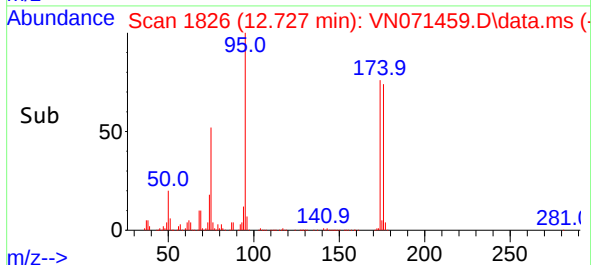
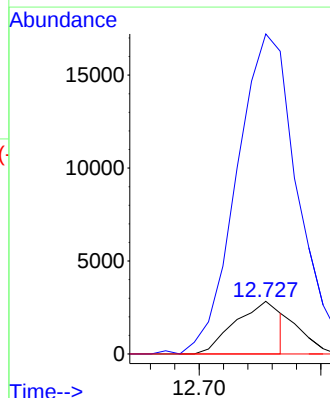
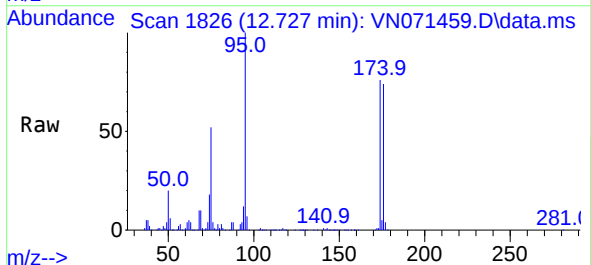
Instrument :
MSVOA_N
ClientSampleId :

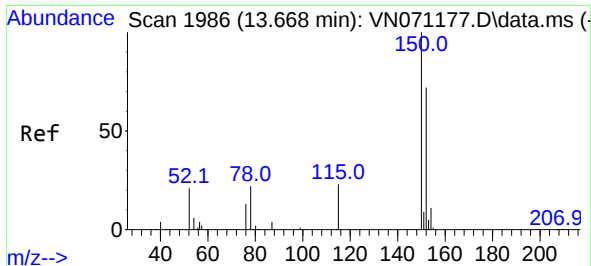
Tgt Ion:117 Resp: 1120721
Ion Ratio Lower Upper
117 100
82 57.9 42.4 63.6
119 32.2 25.4 38.2



#71
Bromoform
Concen: 0.555 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

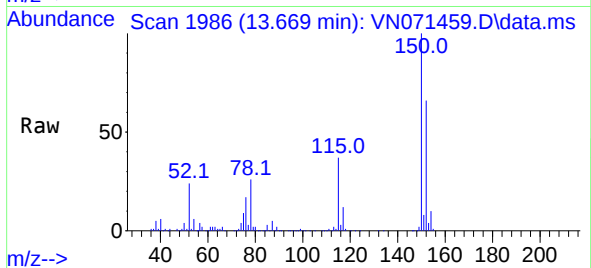
Tgt Ion:173 Resp: 3717
Ion Ratio Lower Upper
173 100
175 621.6 24.2 72.6#
254 0.0 0.0 0.0



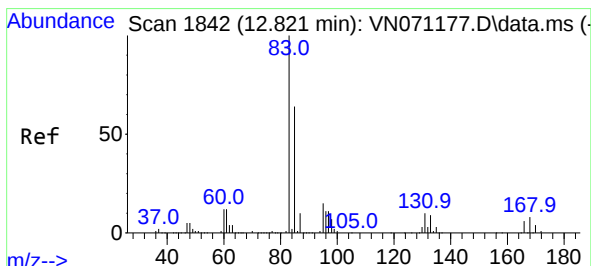
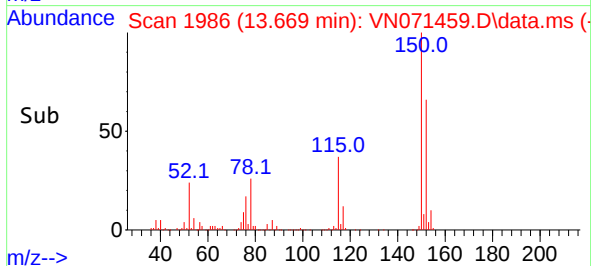
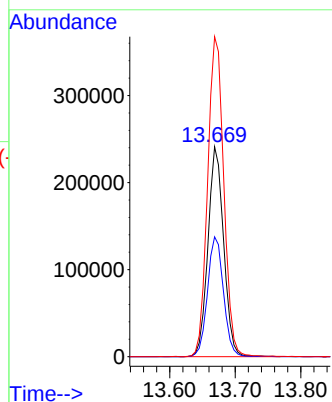


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. 0.001 min
 Lab File: VN071459.D
 Acq: 22 Mar 2022 11:30

Instrument :
 MSVOA_N
 ClientSampleId :

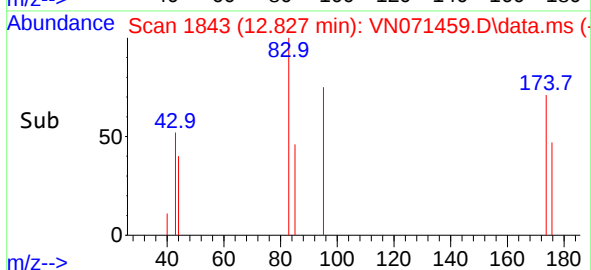
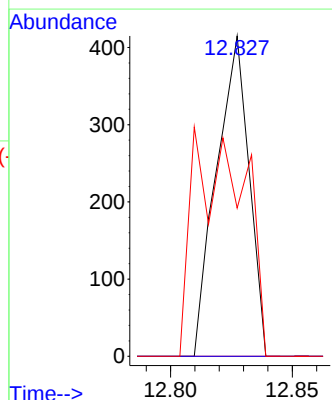
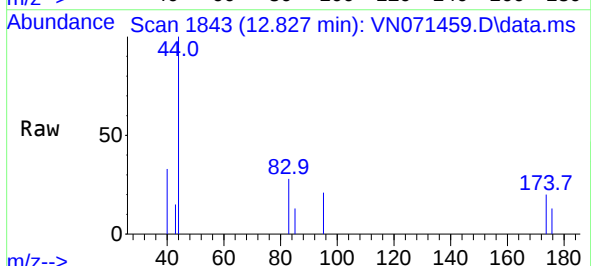


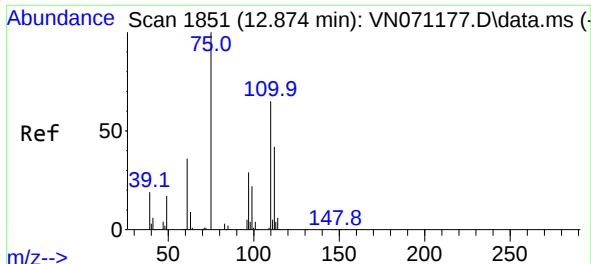
Tgt Ion:152 Resp: 401587
 Ion Ratio Lower Upper
 152 100
 115 58.2 27.5 82.5
 150 157.0 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.827 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: VN071459.D
 Acq: 22 Mar 2022 11:30

Tgt Ion: 83 Resp: 386
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 110.1 32.4 97.2#

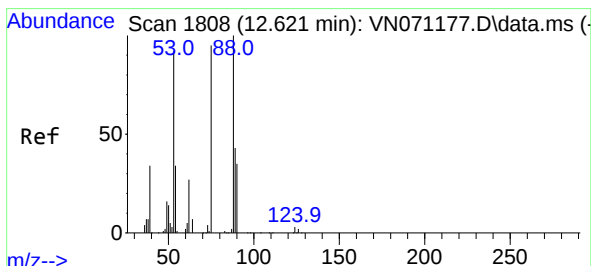
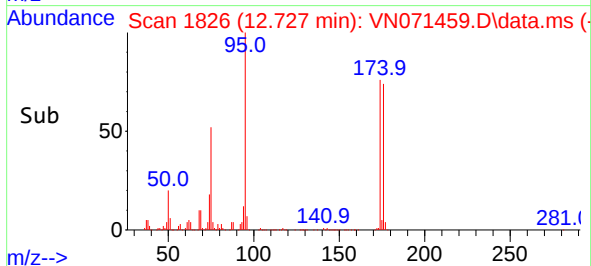
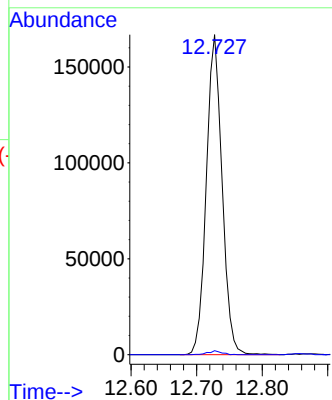
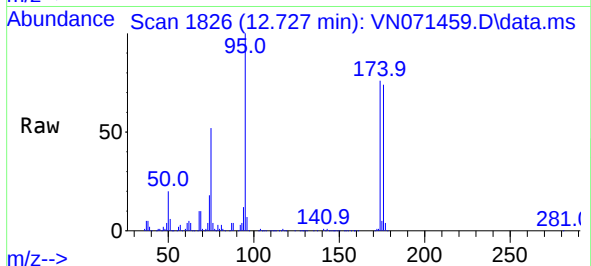




#76
1,2,3-Trichloropropane
Concen: 27.396 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

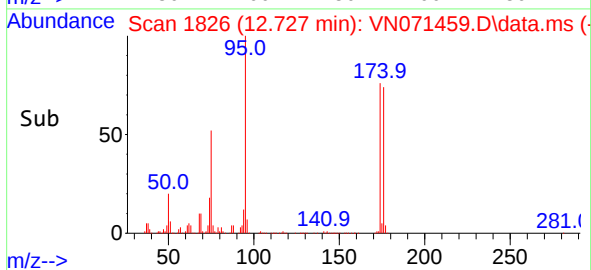
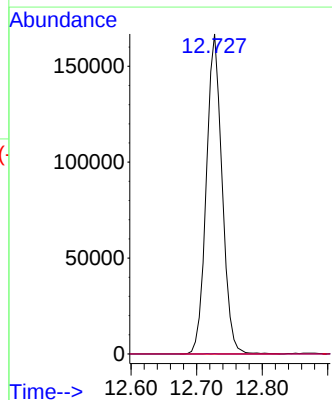
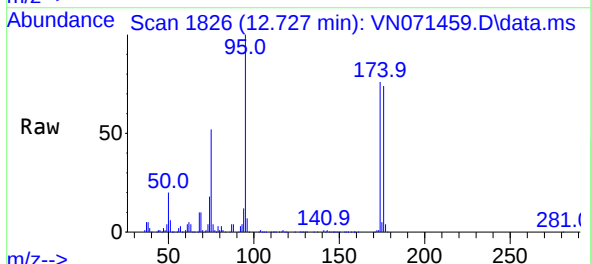
Instrument :
MSVOA_N
ClientSampleId :

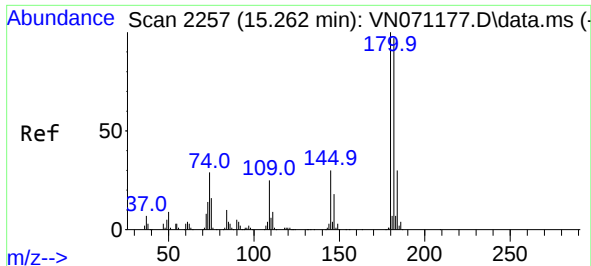
Tgt Ion: 75 Resp: 279070
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.120 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071459.D
Acq: 22 Mar 2022 11:30

Tgt Ion: 75 Resp: 279070
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 3.190 ug/l

RT: 15.263 min Scan# 21

Delta R.T. 0.001 min

Lab File: VN071459.D

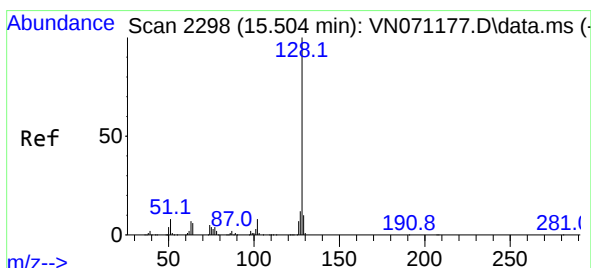
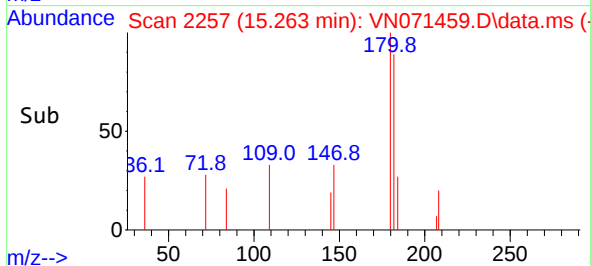
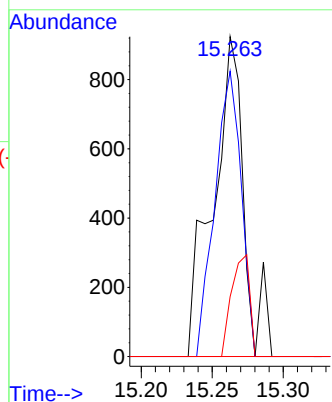
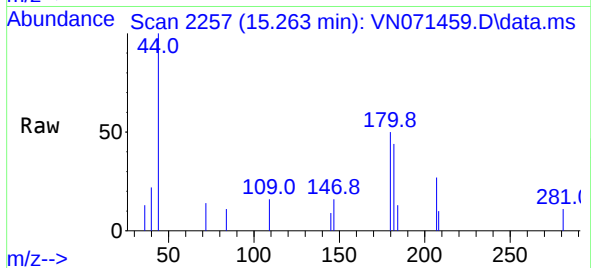
Acq: 22 Mar 2022 11:30

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	180	Resp:	1408
Ion	Ratio	Lower	Upper
180	100		
182	75.4	48.3	144.9
145	18.5	14.5	43.5



#95

Naphthalene

Concen: 5.299 ug/l

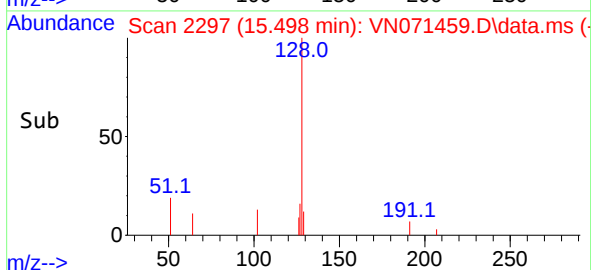
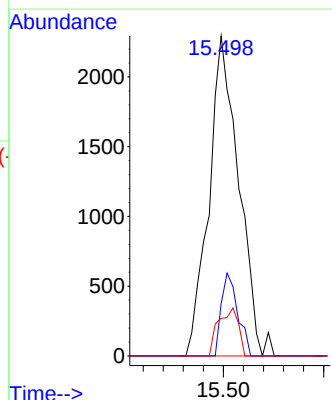
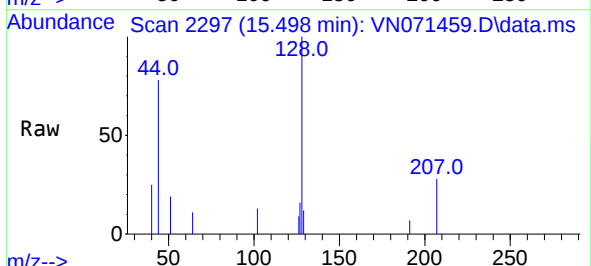
RT: 15.498 min Scan# 2297

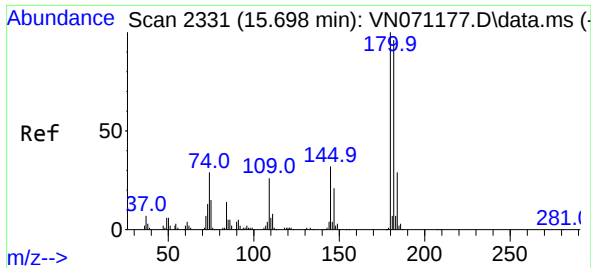
Delta R.T. -0.006 min

Lab File: VN071459.D

Acq: 22 Mar 2022 11:30

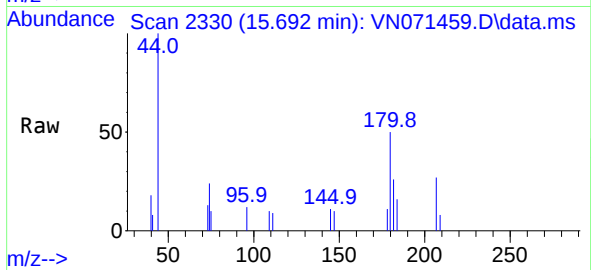
Tgt Ion:	128	Resp:	4733
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	10.0	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.982 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071459.D
 Acq: 22 Mar 2022 11:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1667
Ion	Ratio	Lower	Upper
180	100		
182	82.0	47.4	142.2
145	8.8	15.0	45.1#

