

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072122\
 Data File : VN073564.D
 Acq On : 21 Jul 2022 18:48
 Operator : JC\MD
 Sample : N3771-03 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9F

Quant Time: Jul 22 08:02:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

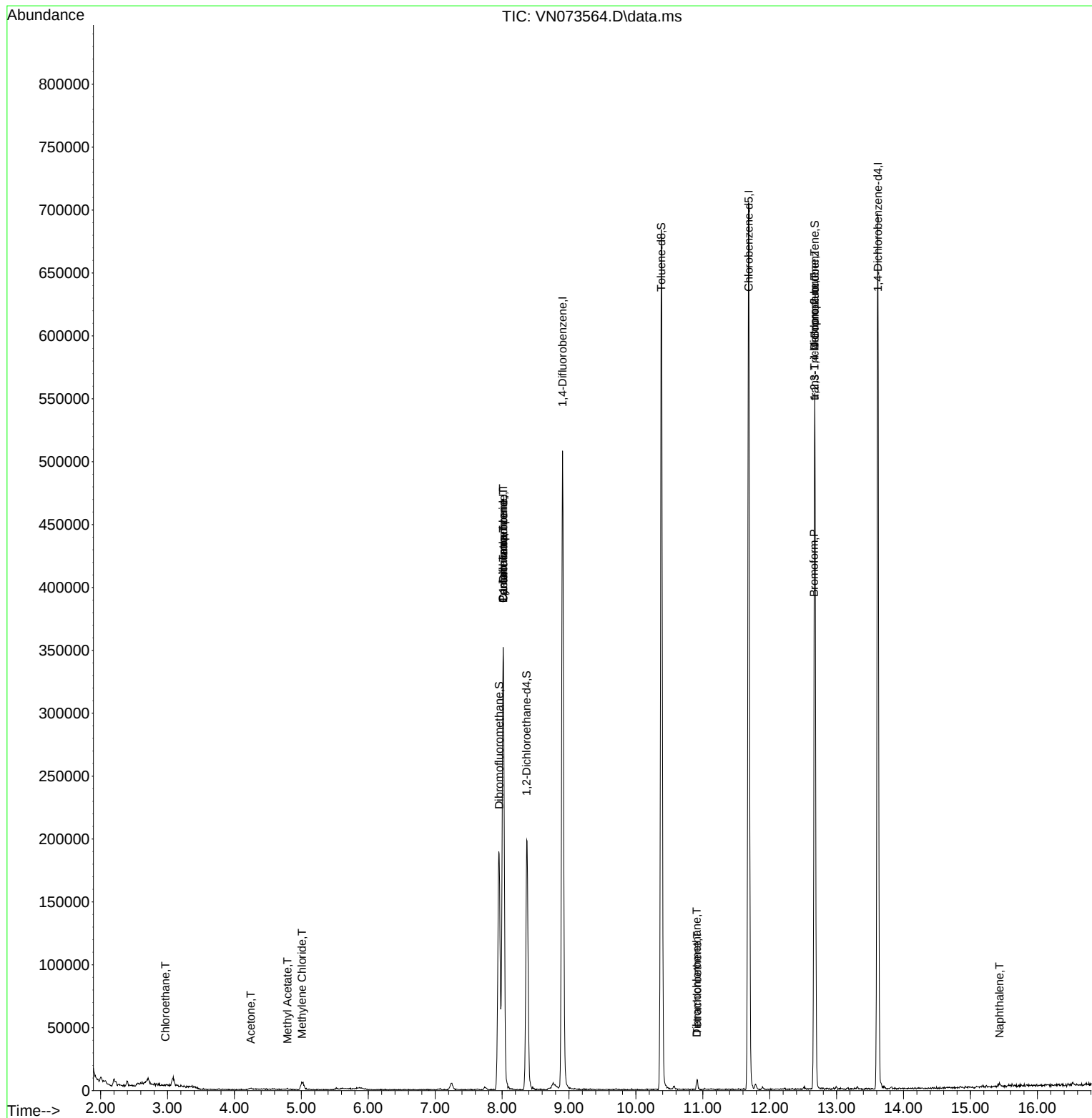
Internal Standards						
1) Pentafluorobenzene	8.016	168	267987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	431213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	398610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	181341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	164187	42.440	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.880%		
35) Dibromofluoromethane	7.957	113	141404	49.288	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.580%		
50) Toluene-d8	10.380	98	461259	45.268	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.540%		
62) 4-Bromofluorobenzene	12.674	95	187477	47.878	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.760%		
Target Compounds						Qvalue
6) Chloroethane	2.969	64	1142	0.601	ug/l #	42
16) Acetone	4.246	43	2700	1.243	ug/l	93
18) Methyl Acetate	4.793	43	1264	0.208	ug/l #	48
20) Methylene Chloride	5.010	84	3656	0.958	ug/l #	86
31) Cyclohexane	8.016	56	6372	1.006	ug/l #	8
36) 1,1-Dichloropropene	8.016	75	22668	5.135	ug/l #	46
38) Carbon Tetrachloride	8.016	117	26752	5.860	ug/l #	16
60) Dibromochloromethane	10.910	129	1652	0.500	ug/l #	11
64) Tetrachloroethene	10.916	164	1486	0.457	ug/l #	64
71) Bromoform	12.663	173	1549	0.638	ug/l #	28
76) 1,2,3-Trichloropropane	12.669	75	97959	20.659	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	97959	56.657	ug/l #	10
95) Naphthalene	15.433	128	3009	0.215	ug/l #	87

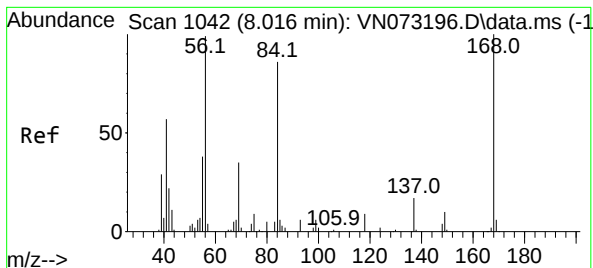
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN073564.D

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Instrument :

MSVOA_N

ClientSampleId :

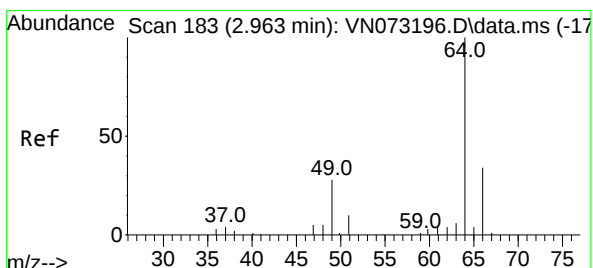
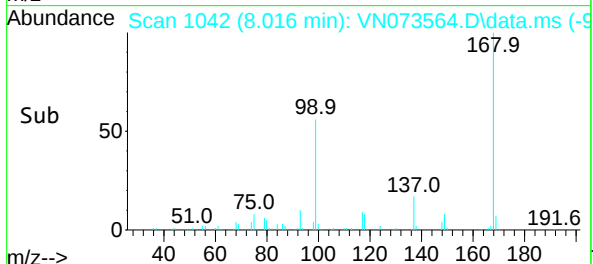
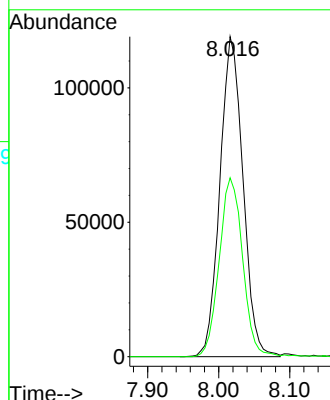
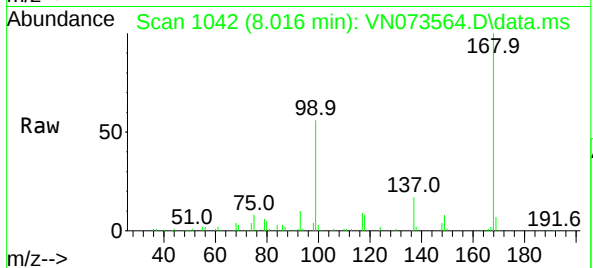
MW-9F

Tgt Ion:168 Resp: 267987

Ion Ratio Lower Upper

168 100

99 55.9 42.3 63.5



#6

Chloroethane

Concen: 0.601 ug/l

RT: 2.969 min Scan# 184

Delta R.T. 0.006 min

Lab File: VN073564.D

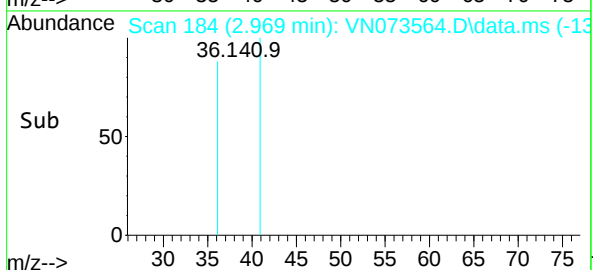
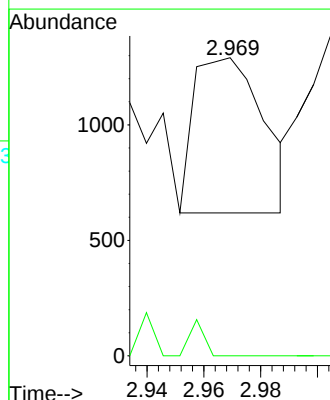
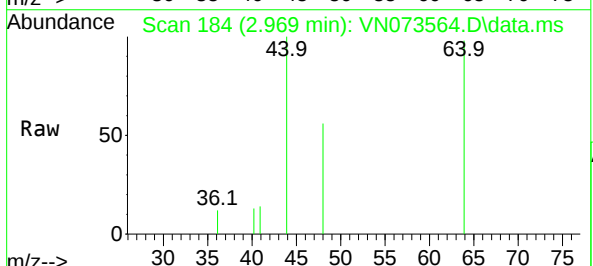
Acq: 21 Jul 2022 18:48

Tgt Ion: 64 Resp: 1142

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

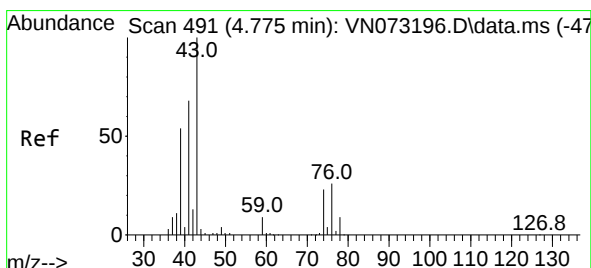
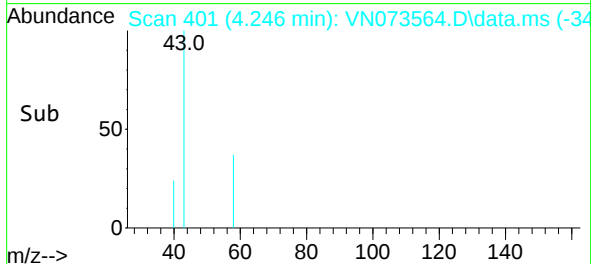
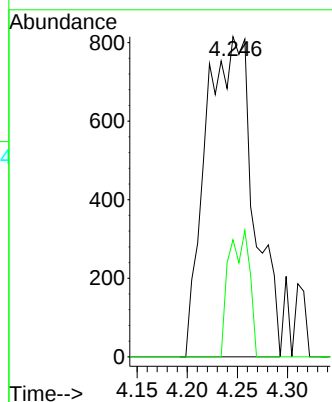
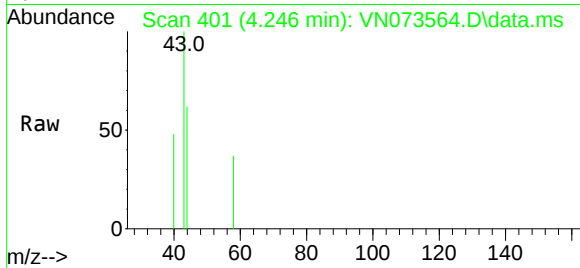




#16
Acetone
Concen: 1.243 ug/l
RT: 4.246 min Scan# 401
Delta R.T. 0.024 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

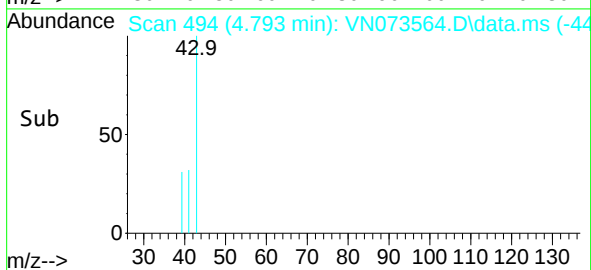
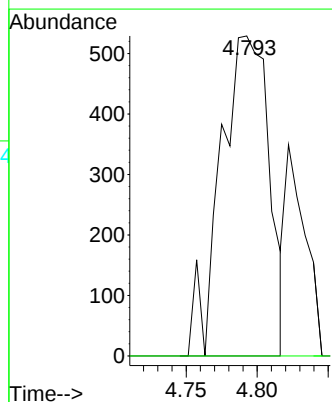
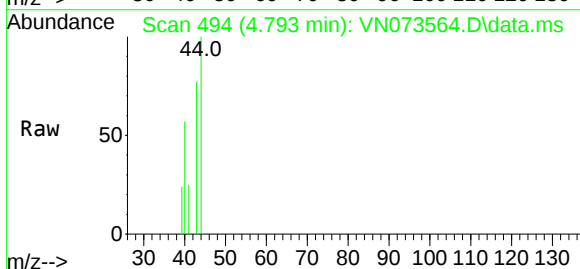
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MSVOA_N
ClientSampleId :
MW-9F

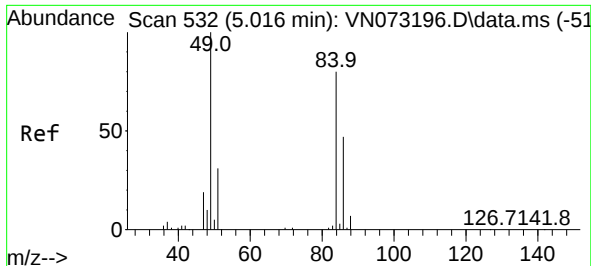
Tgt Ion: 43 Resp: 2700
Ion Ratio Lower Upper
43 100
58 36.6 26.0 39.0



#18
Methyl Acetate
Concen: 0.208 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.018 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

Tgt Ion: 43 Resp: 1264
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



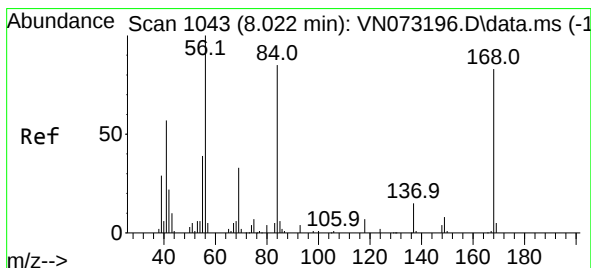
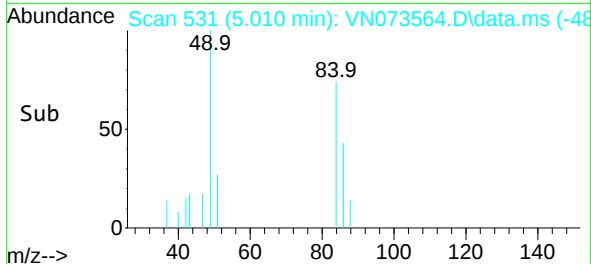
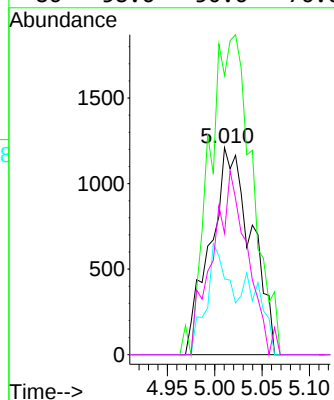
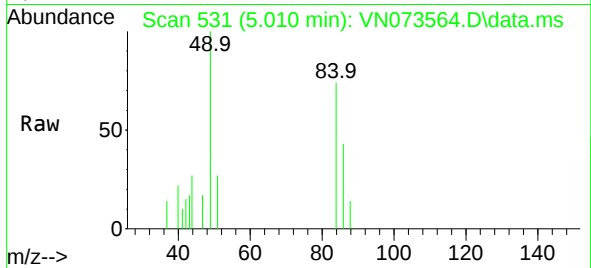


#20
Methylene Chloride
Concen: 0.958 ug/l
RT: 5.010 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

Instrument :
MSVOA_N
ClientSampleId :
MW-9F

Tgt Ion: 84 Resp: 3656

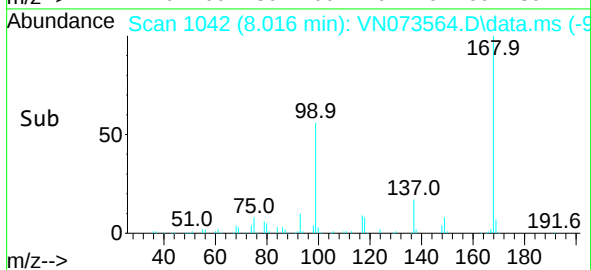
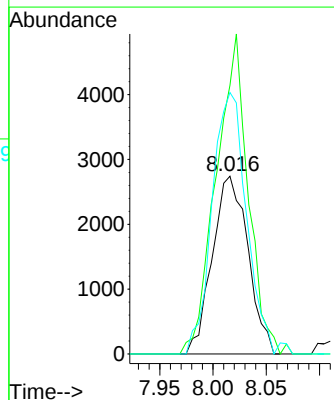
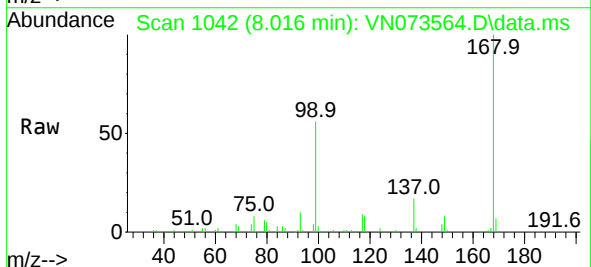
Ion	Ratio	Lower	Upper
84	100		
49	134.8	88.3	132.5#
51	36.5	28.2	42.2
86	58.6	50.6	76.0

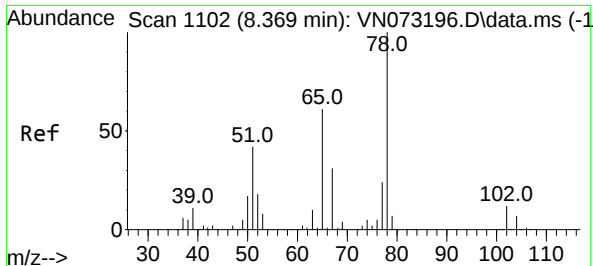


#31
Cyclohexane
Concen: 1.006 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

Tgt Ion: 56 Resp: 6372

Ion	Ratio	Lower	Upper
56	100		
69	151.1	27.8	41.8#
84	147.0	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 42.440 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073564.D

Acq: 21 Jul 2022 18:48

Instrument :

MSVOA_N

ClientSampleId :

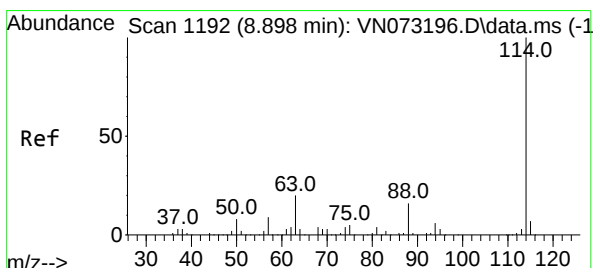
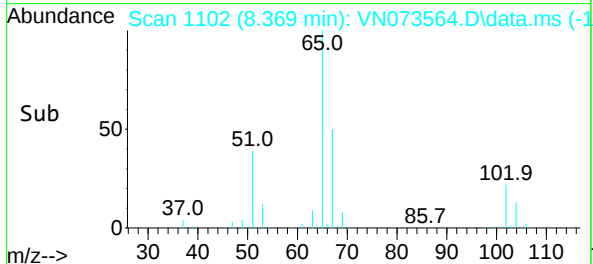
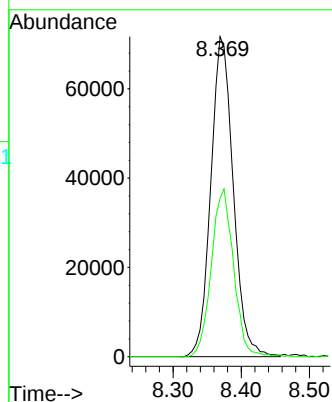
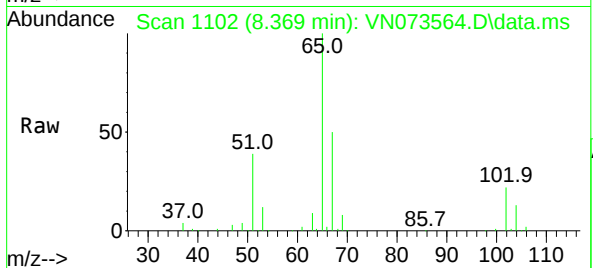
MW-9F

Tgt Ion: 65 Resp: 164187

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073564.D

Acq: 21 Jul 2022 18:48

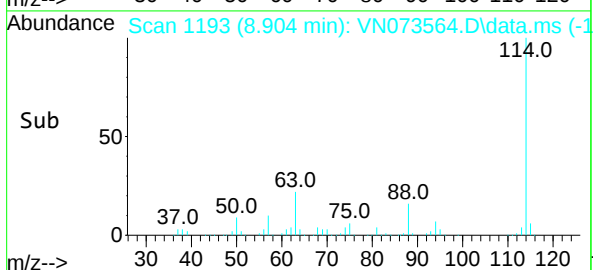
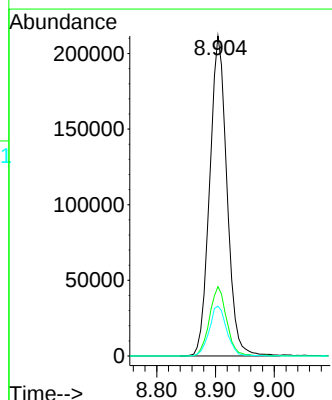
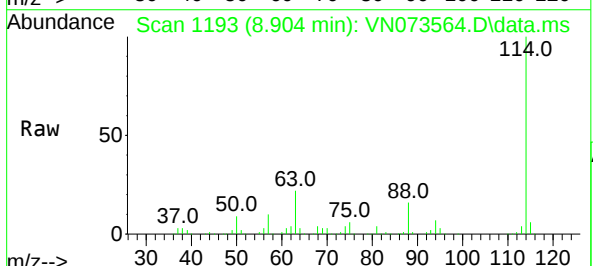
Tgt Ion: 114 Resp: 431213

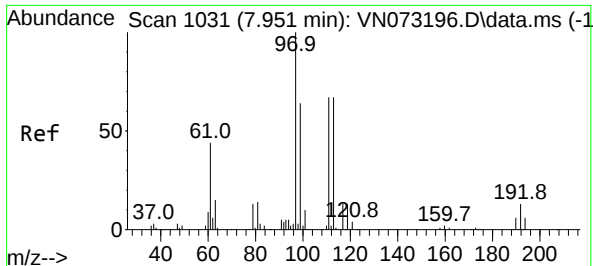
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.288 ug/l

RT: 7.957 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073564.D

Acq: 21 Jul 2022 18:48

Instrument :

MSVOA_N

ClientSampleId :

MW-9F

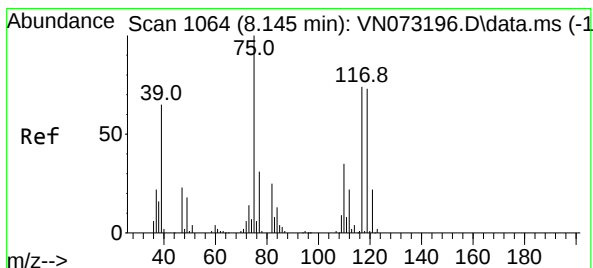
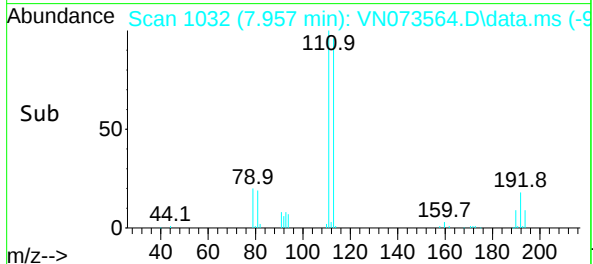
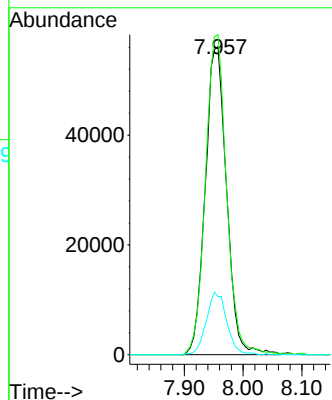
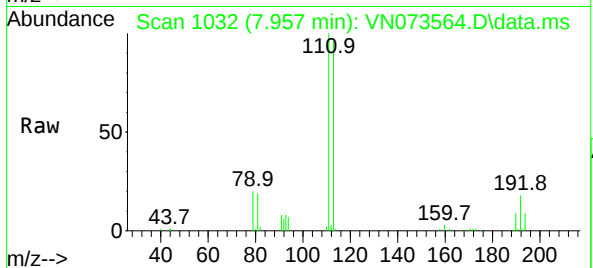
Tgt Ion:113 Resp: 141404

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 19.5 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.135 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073564.D

Acq: 21 Jul 2022 18:48

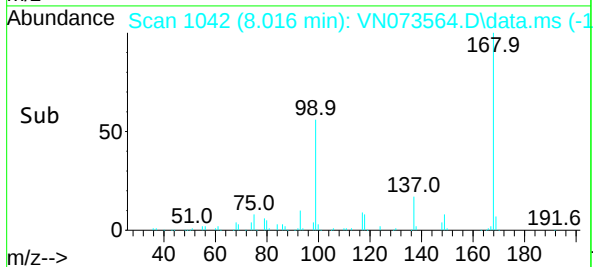
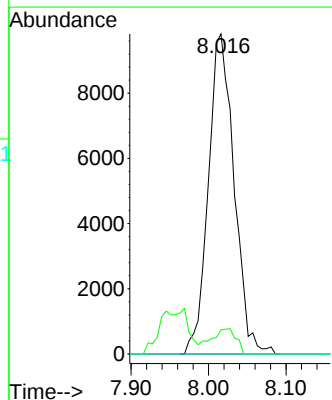
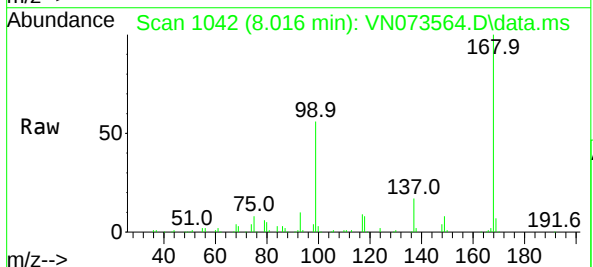
Tgt Ion: 75 Resp: 22668

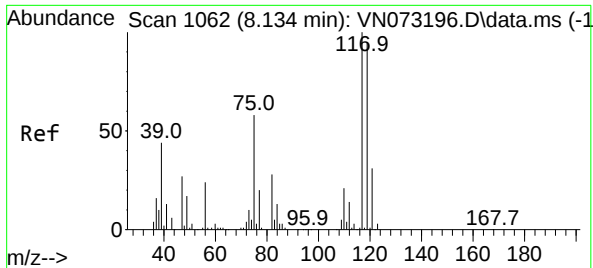
Ion Ratio Lower Upper

75 100

110 6.5 18.3 54.8#

77 0.0 25.1 37.7#

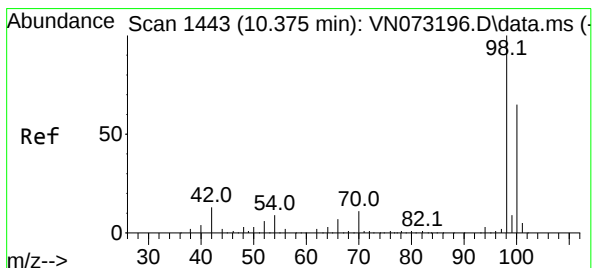
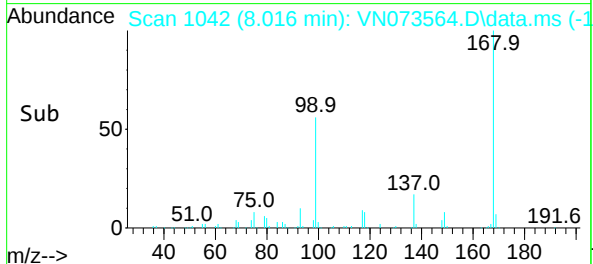
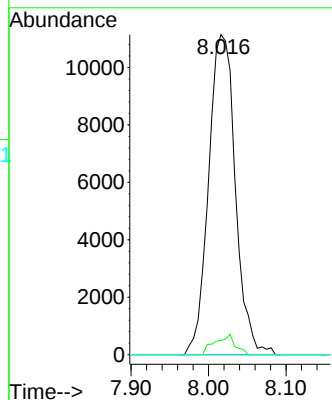
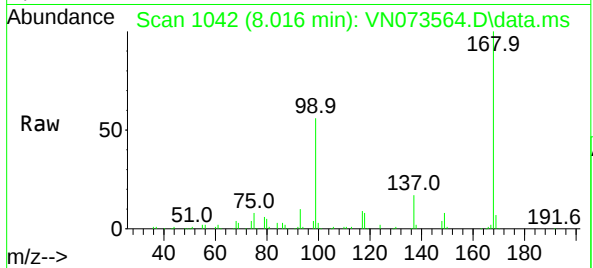




#38
Carbon Tetrachloride
Concen: 5.860 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

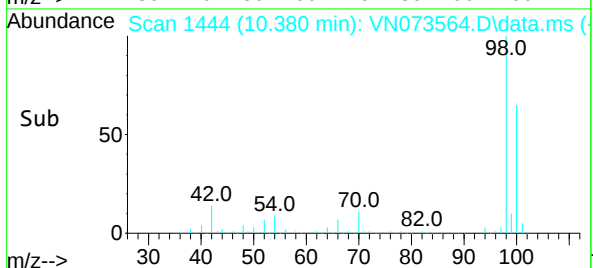
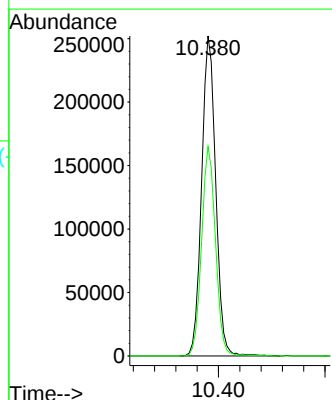
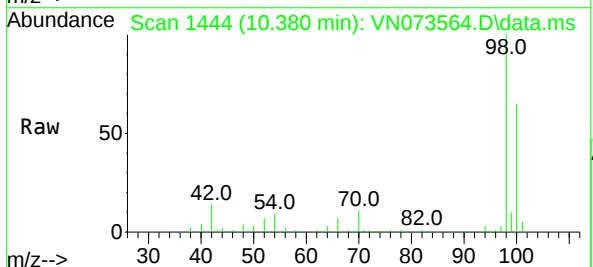
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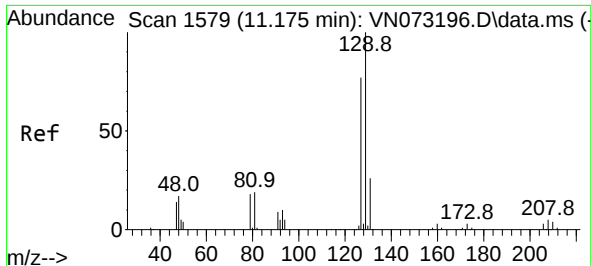
Tgt Ion:117 Resp: 26752
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 45.268 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

Tgt Ion: 98 Resp: 461259
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

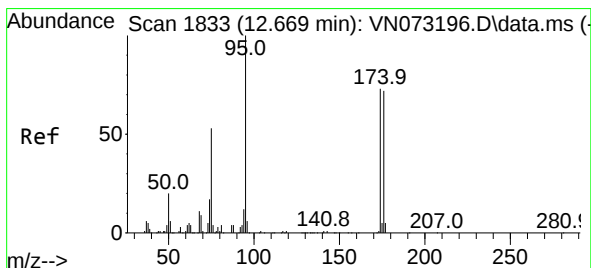
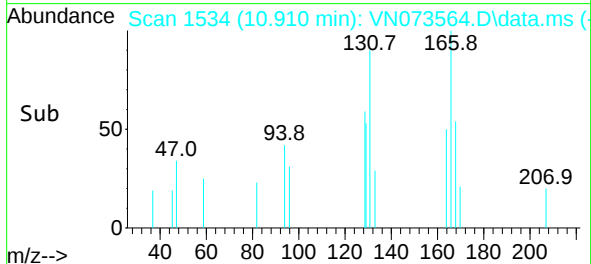
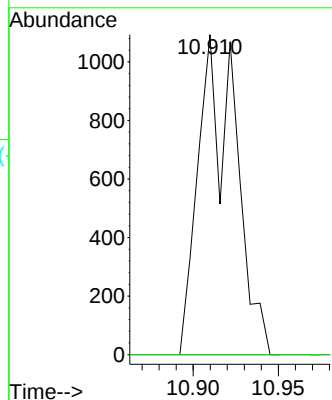
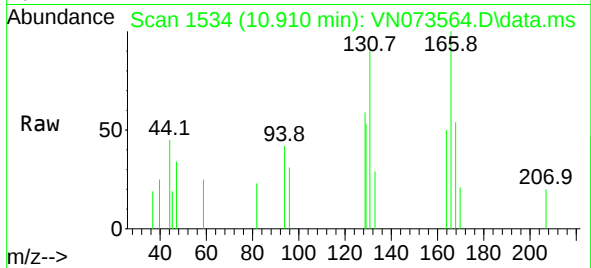




#60
Dibromochloromethane
Concen: 0.500 ug/l
RT: 10.910 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

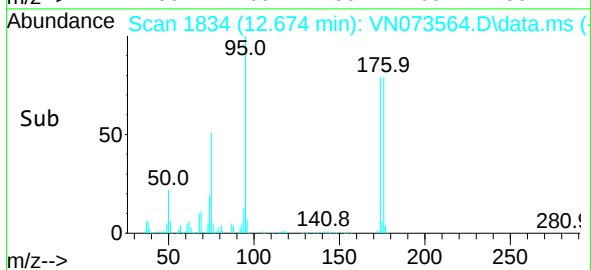
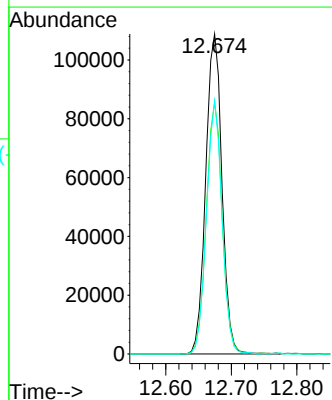
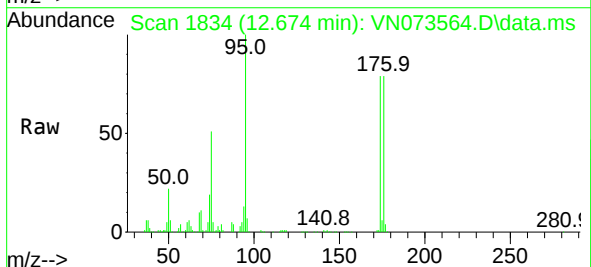
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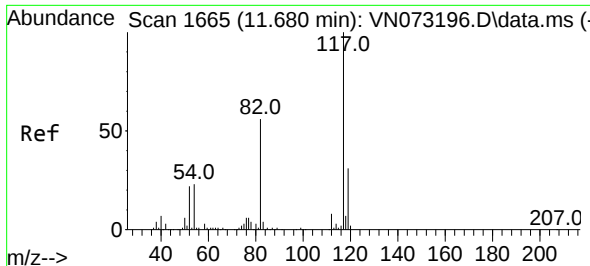
Tgt Ion:129 Resp: 1652
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 47.878 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

Tgt Ion: 95 Resp: 187477
Ion Ratio Lower Upper
95 100
174 77.5 0.0 167.6
176 75.9 0.0 163.4

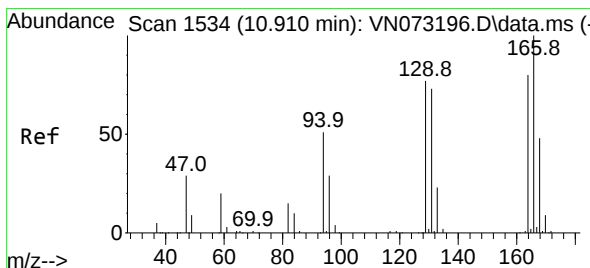
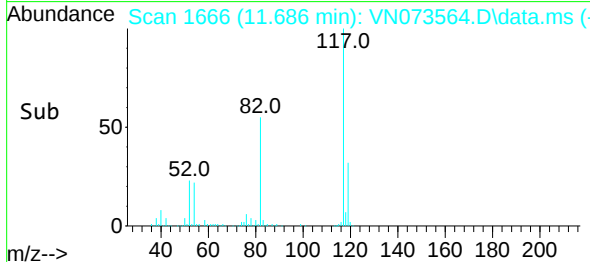
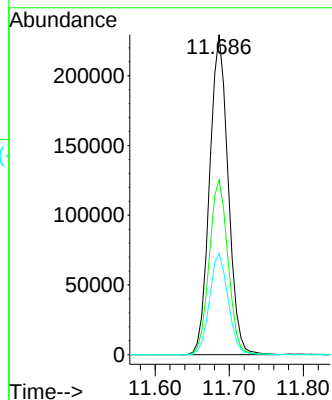
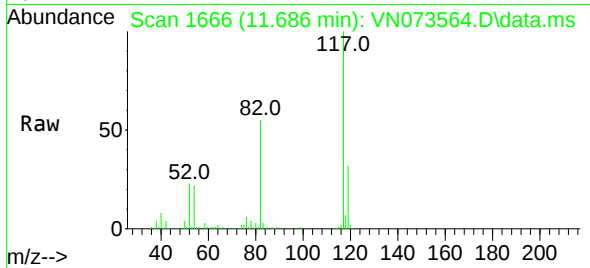




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

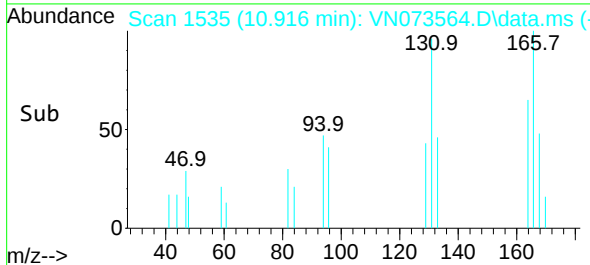
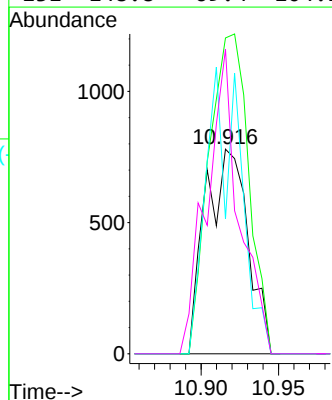
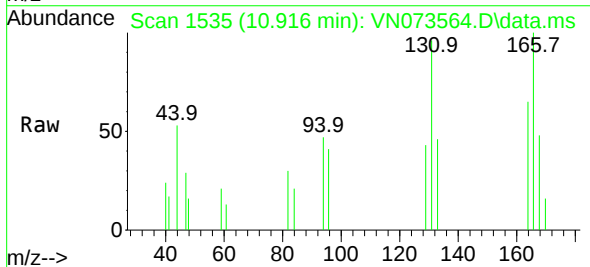
Instrument :
MSVOA_N
ClientSampleId :
MW-9F

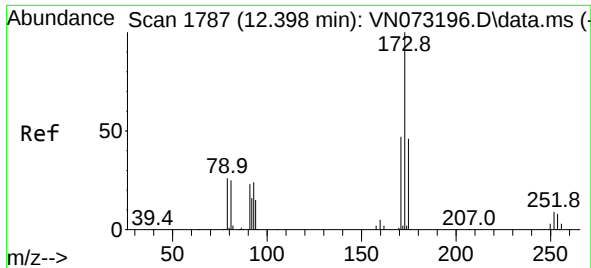
Tgt Ion:117 Resp: 398610
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 0.457 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.006 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

Tgt Ion:164 Resp: 1486
Ion Ratio Lower Upper
164 100
166 154.4 104.2 156.2
129 65.9 73.9 110.9#
131 148.8 69.4 104.2#

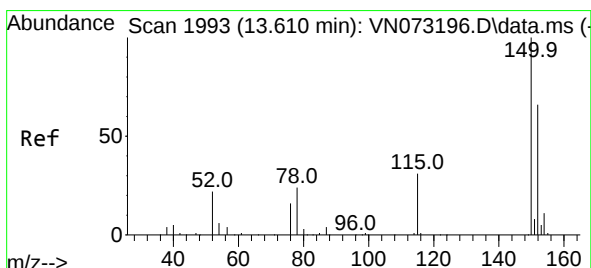
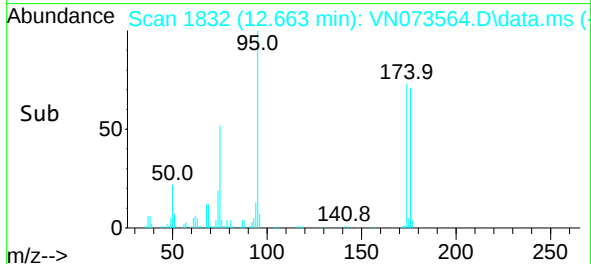
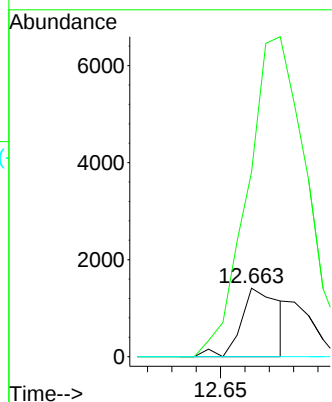
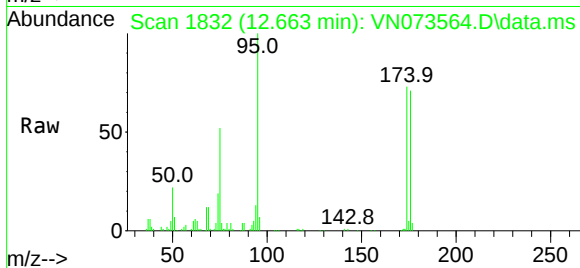




#71
Bromoform
Concen: 0.638 ug/l
RT: 12.663 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

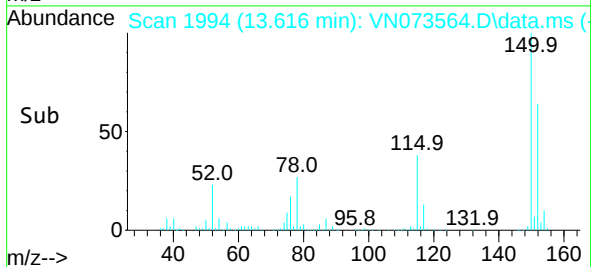
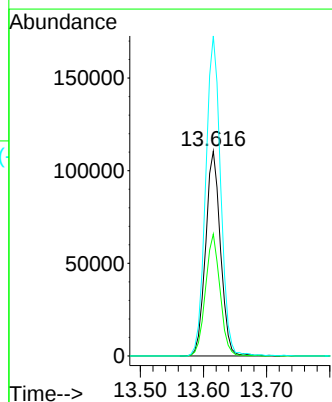
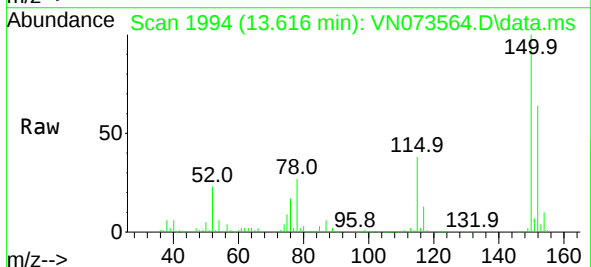
Instrument :
MSVOA_N
ClientSampleId :
MW-9F

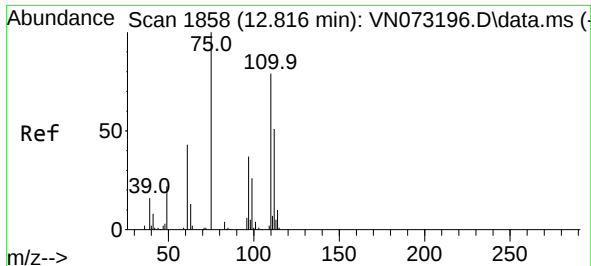
Tgt Ion:173 Resp: 1549
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

Tgt Ion:152 Resp: 181341
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.7
150 157.2 0.0 356.2

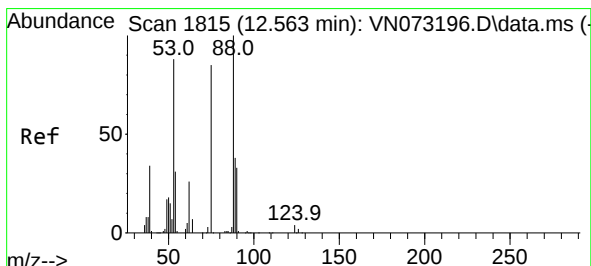
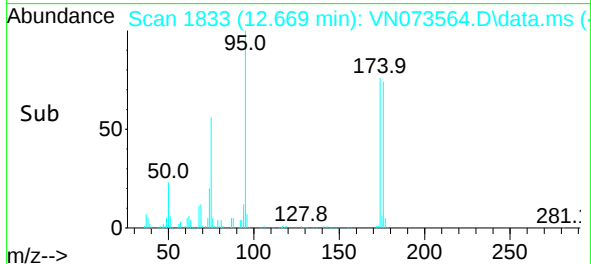
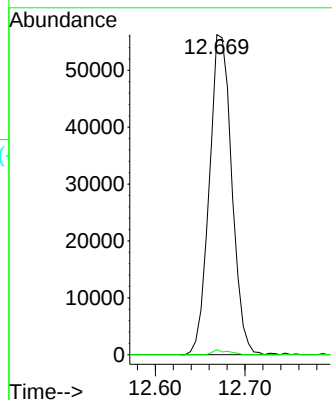
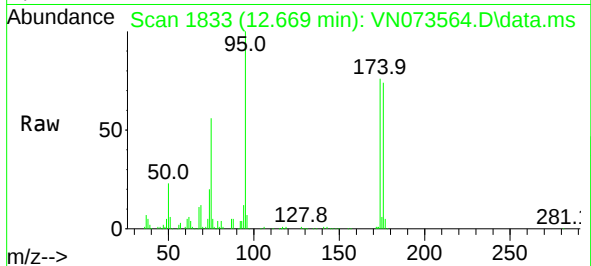




#76
1,2,3-Trichloropropane
Concen: 20.659 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

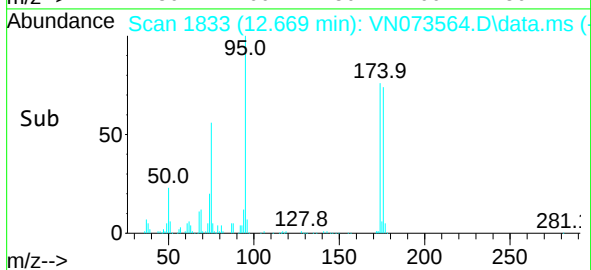
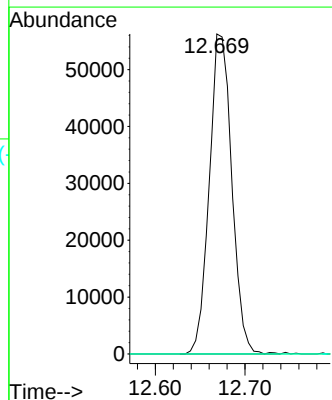
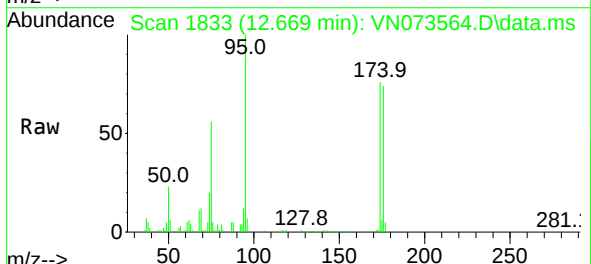
Instrument :
MSVOA_N
ClientSampleId :
MW-9F

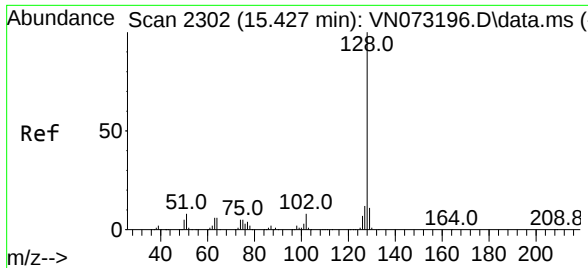
Tgt Ion: 75 Resp: 97959
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.657 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

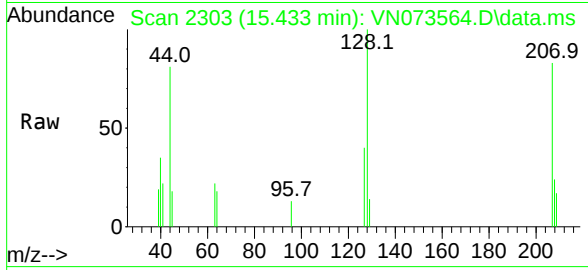
Tgt Ion: 75 Resp: 97959
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 0.215 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073564.D
Acq: 21 Jul 2022 18:48

Instrument :
MSVOA_N
ClientSampleId :
MW-9F



Tgt Ion:128	Resp:	3009
Ion	Ratio	Lower Upper
128	100	
127	11.6	10.3 15.5
129	1.8	8.6 13.0#

