

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
 Data File : VN073799.D
 Acq On : 10 Aug 2022 15:45
 Operator : JC\MD
 Sample : N4111-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW158S1-TB-20220808

Quant Time: Aug 10 22:54:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

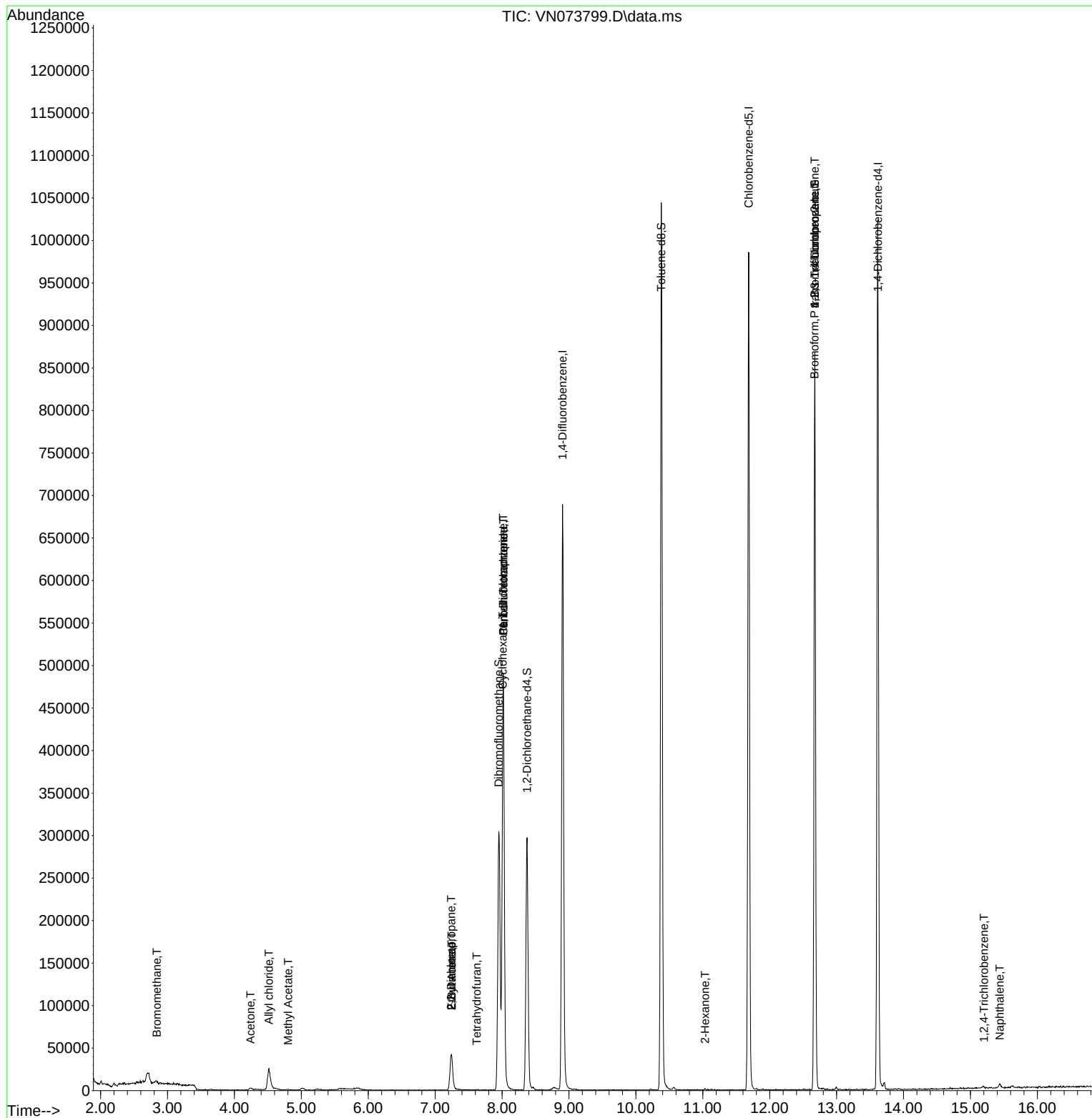
Internal Standards						
1) Pentafluorobenzene	8.022	168	396320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	630417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	599225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	292613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	243943	50.508	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.020%	
35) Dibromofluoromethane	7.951	113	229747	58.037	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 116.080%	
50) Toluene-d8	10.380	98	743135	47.705	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.420%	
62) 4-Bromofluorobenzene	12.674	95	275382	50.338	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1081	Below Cal		90
5) Bromomethane	2.840	94	2460	0.631	ug/l	93
6) Chloroethane	2.916	64	663	Below Cal	#	42
14) Allyl chloride	4.516	41	4661	0.775	ug/l #	63
16) Acetone	4.240	43	4713	1.817	ug/l	95
18) Methyl Acetate	4.804	43	1879	0.291	ug/l #	48
20) Methylene Chloride	5.022	84	2063	Below Cal	#	87
25) 2-Butanone	7.245	43	2569	0.638	ug/l #	45
26) 2,2-Dichloropropane	7.239	77	2960	0.482	ug/l #	53
29) Tetrahydrofuran	7.622	42	603	0.237	ug/l #	36
31) Cyclohexane	8.010	56	7729	1.075	ug/l #	41
36) 1,1-Dichloropropene	8.016	75	28030	4.968	ug/l #	50
37) Ethyl Acetate	7.245	43	2569	0.346	ug/l #	1
38) Carbon Tetrachloride	8.022	117	36878	6.436	ug/l #	16
59) 2-Hexanone	11.033	43	1150	0.211	ug/l	88
71) Bromoform	12.669	173	1610	0.427	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	141836	24.837	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	141836	62.817	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.204	180	1028	0.201	ug/l #	86
95) Naphthalene	15.439	128	5606	0.337	ug/l #	86

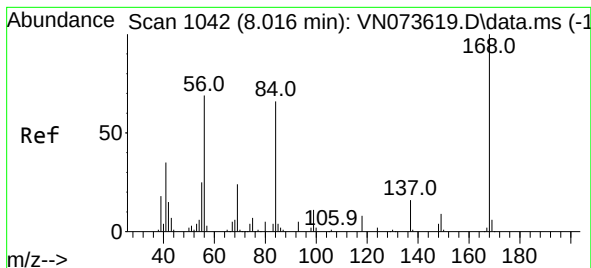
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.022 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073799.D

Acq: 10 Aug 2022 15:45

Instrument :

MSVOA_N

ClientSampleId :

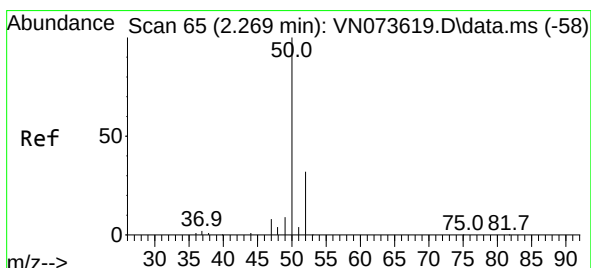
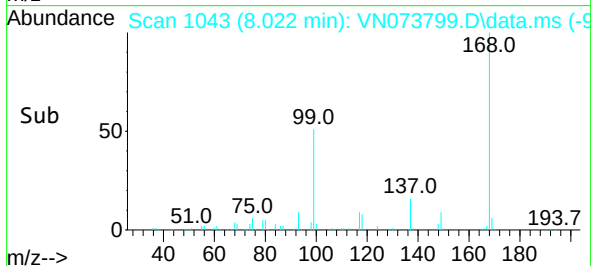
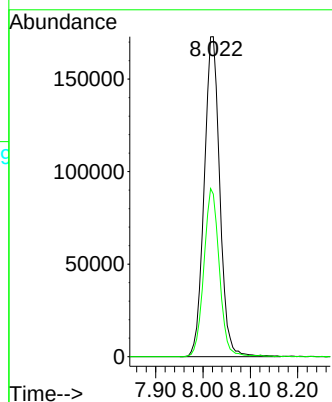
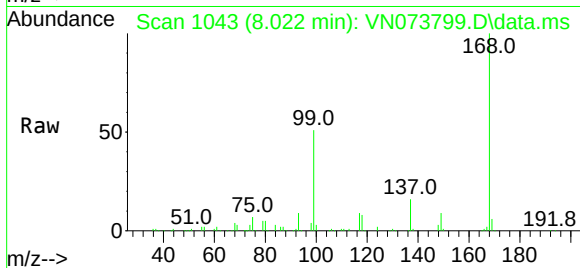
BP-MW158S1-TB-20220808

Tgt Ion:168 Resp: 396320

Ion Ratio Lower Upper

168 100

99 50.8 42.3 63.5



#3

Chloromethane

Concen: Below Cal

RT: 2.269 min Scan# 65

Delta R.T. 0.000 min

Lab File: VN073799.D

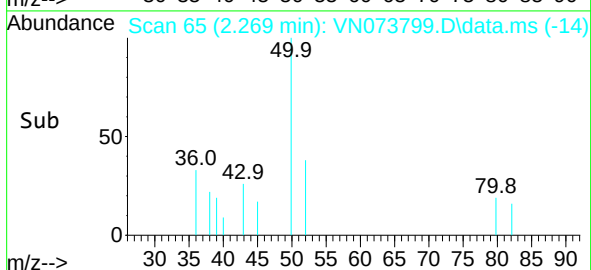
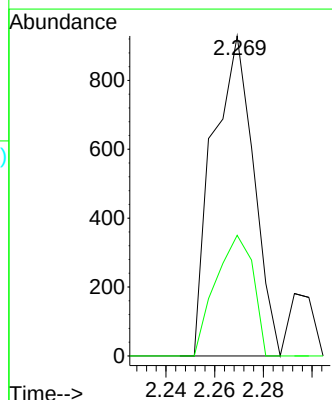
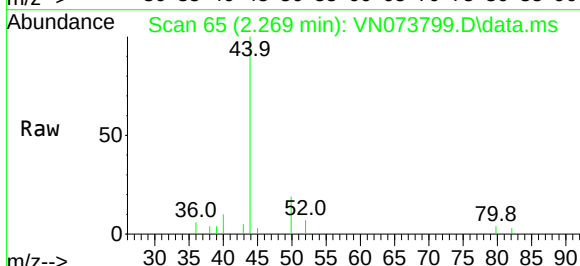
Acq: 10 Aug 2022 15:45

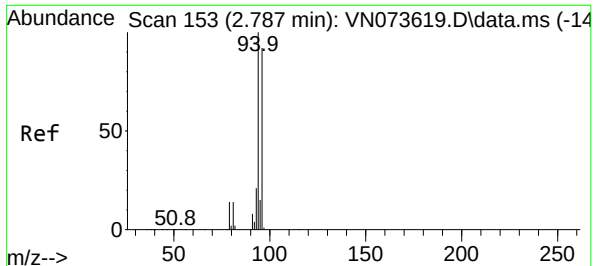
Tgt Ion: 50 Resp: 1081

Ion Ratio Lower Upper

50 100

52 37.7 25.7 38.5

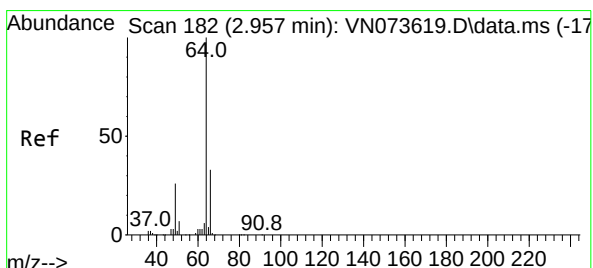
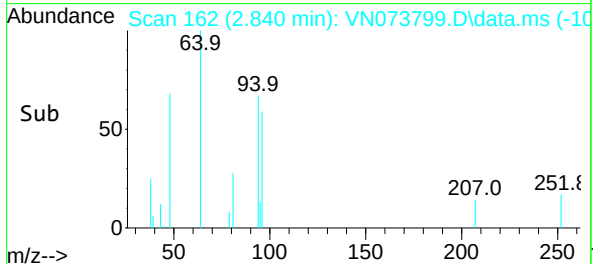
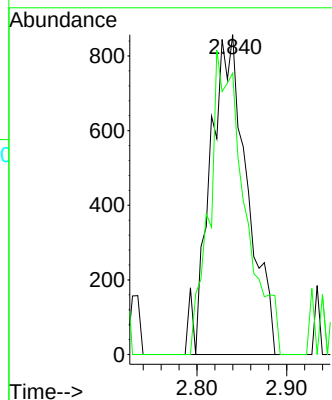
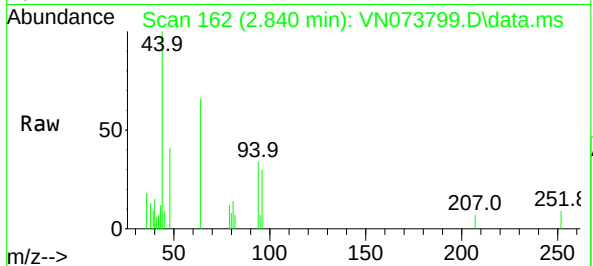




#5
Bromomethane
Concen: 0.631 ug/l
RT: 2.840 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

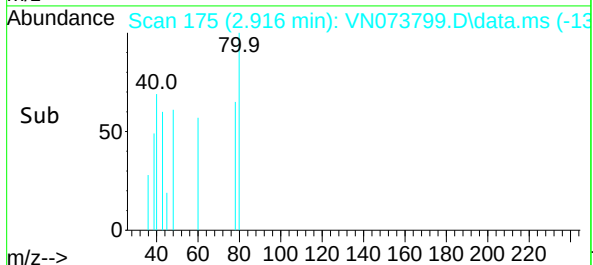
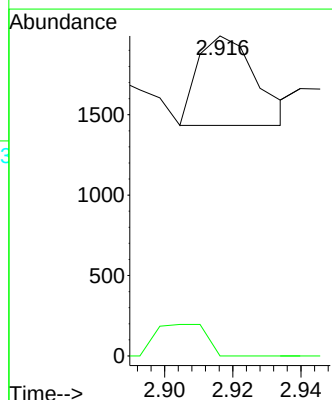
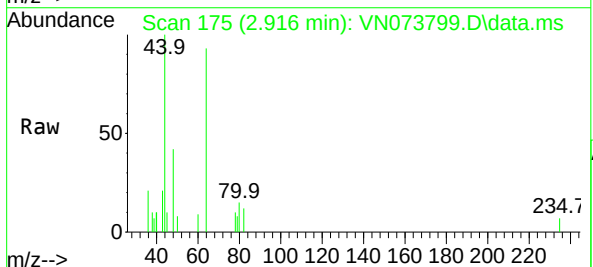
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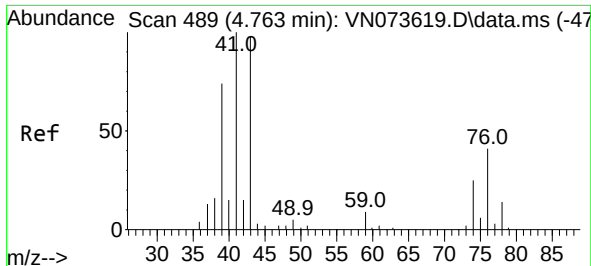
Tgt Ion: 94 Resp: 2460
Ion Ratio Lower Upper
94 100
96 88.0 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.916 min Scan# 175
Delta R.T. -0.041 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

Tgt Ion: 64 Resp: 663
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

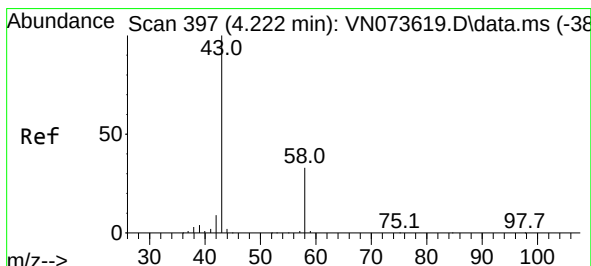
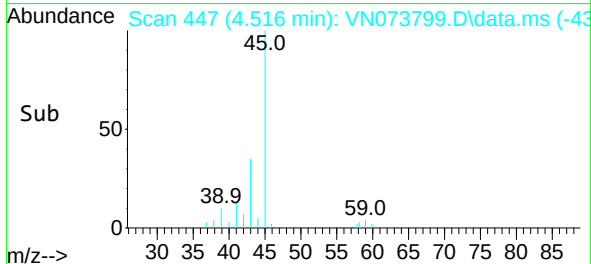
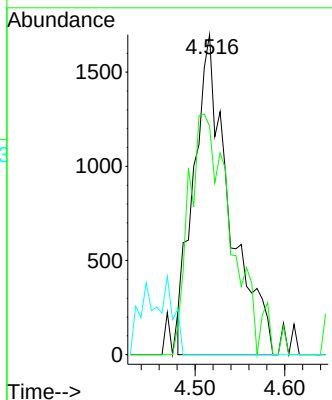
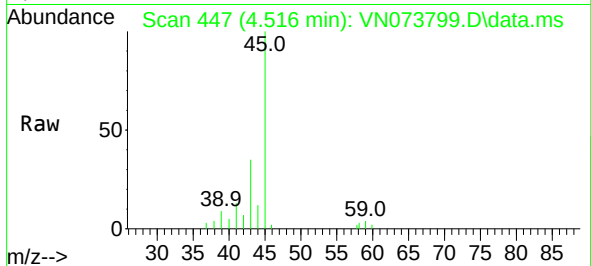




#14
 Allyl chloride
 Concen: 0.775 ug/l
 RT: 4.516 min Scan# 41
 Delta R.T. -0.247 min
 Lab File: VN073799.D
 Acq: 10 Aug 2022 15:45

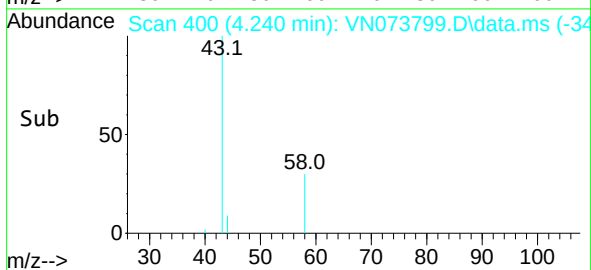
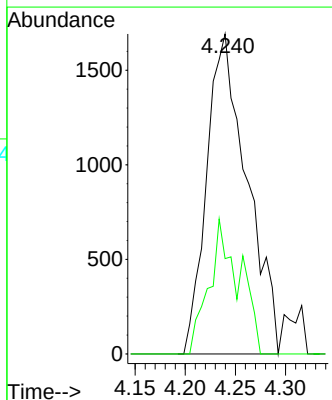
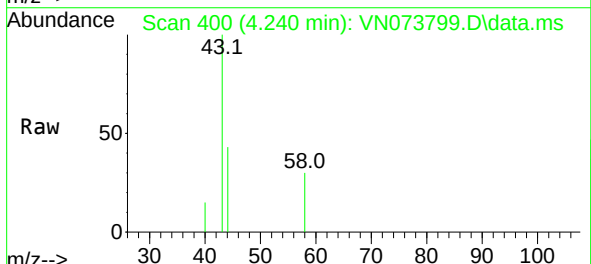
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW158S1-TB-20220808

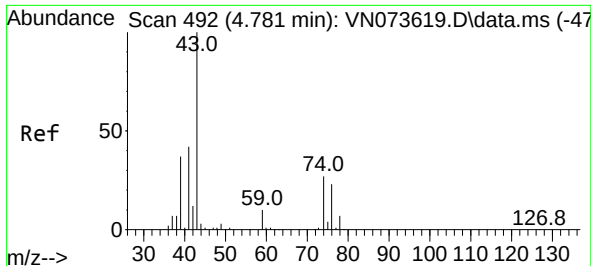
Tgt Ion	Ratio	Lower	Upper
41	100		
39	84.9	53.2	79.8#
76	0.0	29.9	44.9#



#16
 Acetone
 Concen: 1.817 ug/l
 RT: 4.240 min Scan# 400
 Delta R.T. 0.018 min
 Lab File: VN073799.D
 Acq: 10 Aug 2022 15:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.8	26.0	39.0

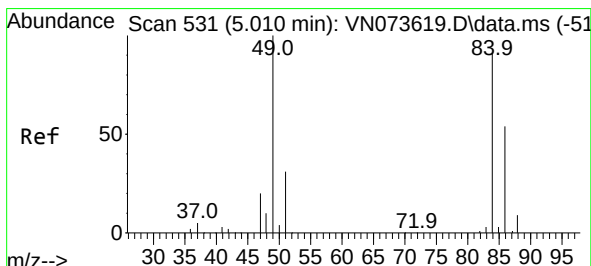
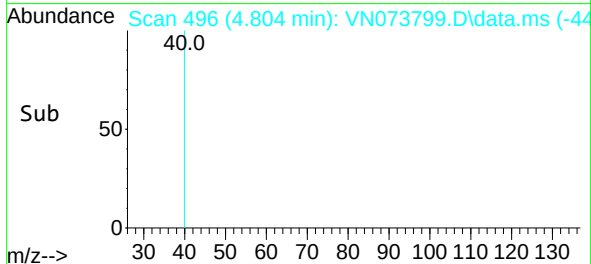
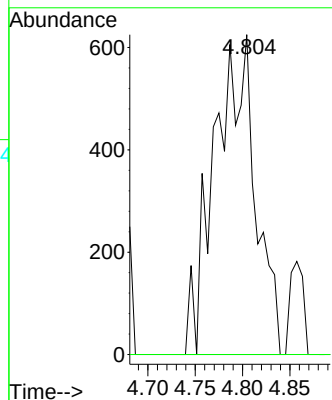
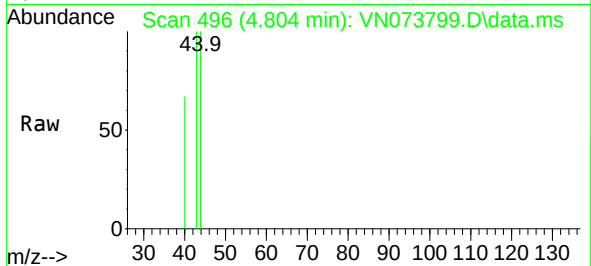




#18
Methyl Acetate
Concen: 0.291 ug/l
RT: 4.804 min Scan# 496
Delta R.T. 0.024 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

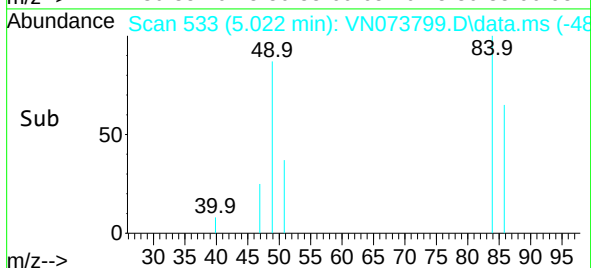
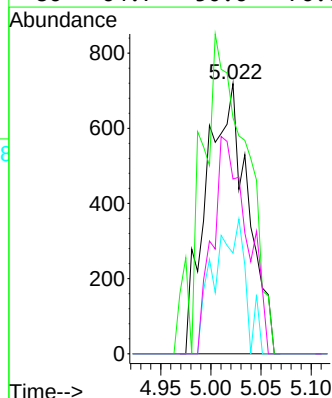
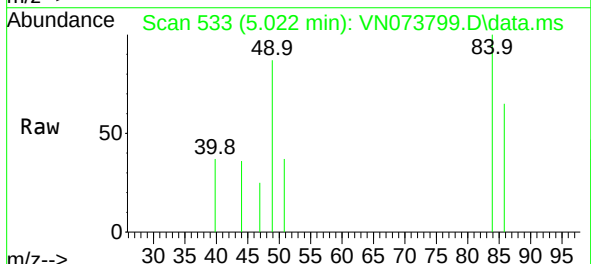
Instrument :
MSVOA_N
ClientSampleId :
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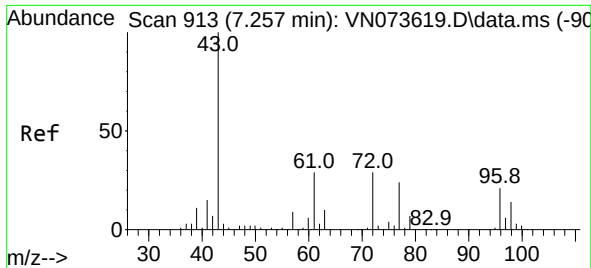
Tgt Ion: 43 Resp: 1879
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.022 min Scan# 533
Delta R.T. 0.012 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

Tgt Ion: 84 Resp: 2063
Ion Ratio Lower Upper
84 100
49 87.3 88.3 132.5#
51 37.3 28.2 42.2
86 64.7 50.6 76.0

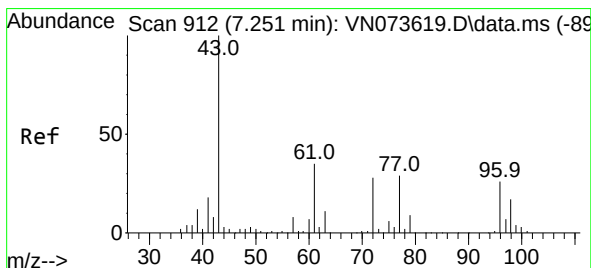
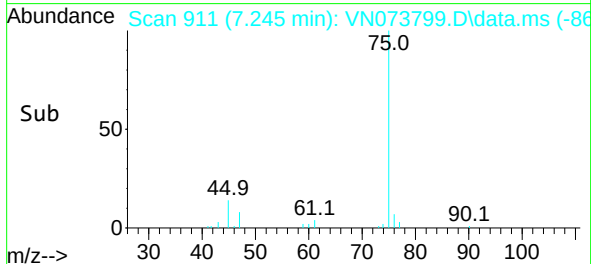
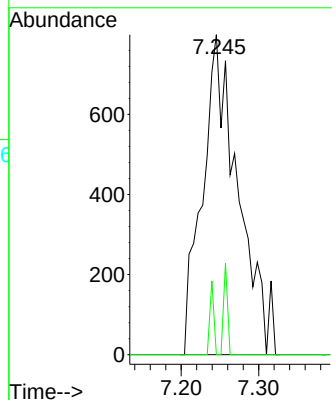
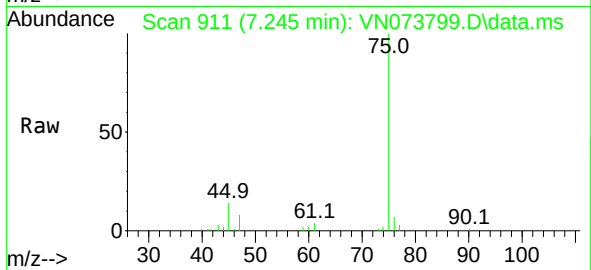




#25
2-Butanone
Concen: 0.638 ug/l
RT: 7.245 min Scan# 910
Delta R.T. -0.012 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

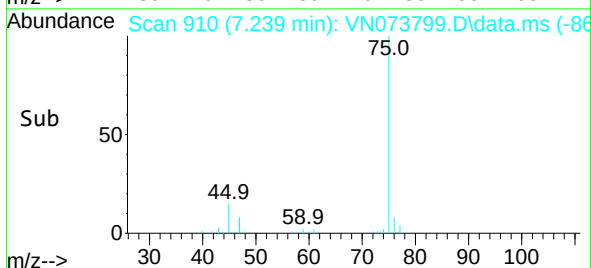
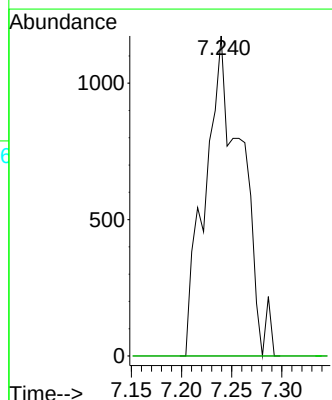
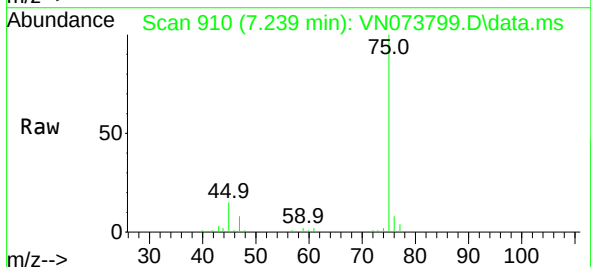
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MSVOA_N
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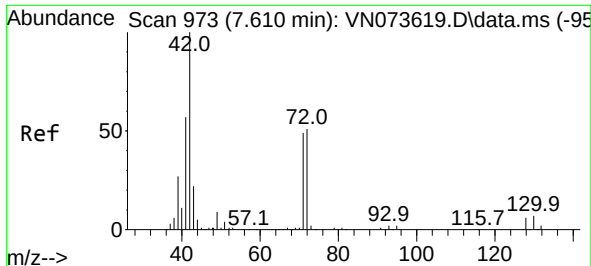
Tgt Ion: 43 Resp: 2569
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.482 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.012 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

Tgt Ion: 77 Resp: 2960
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.237 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073799.D

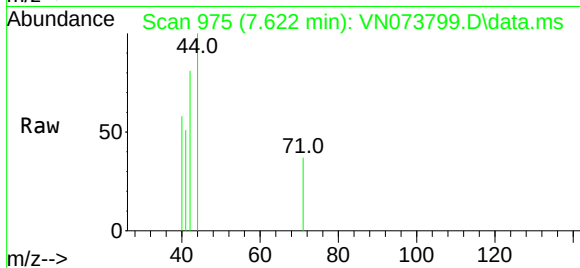
Acq: 10 Aug 2022 15:45

Instrument :

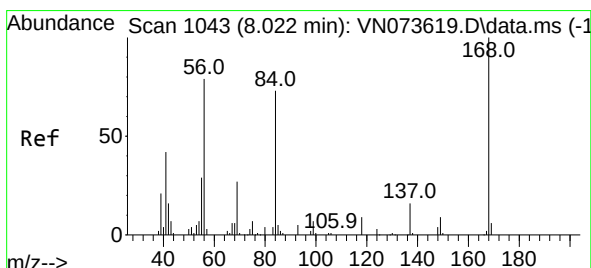
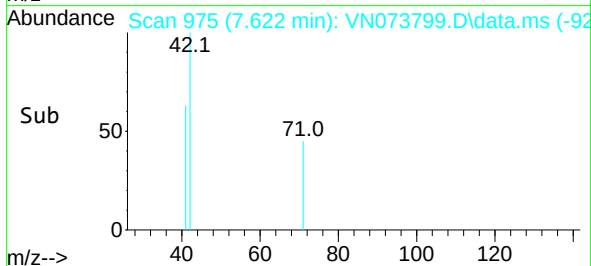
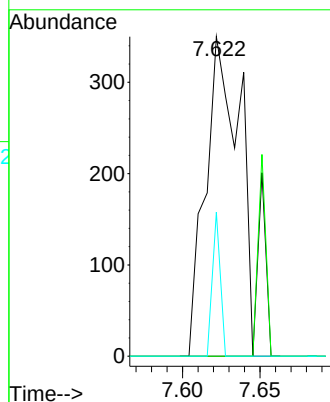
MSVOA_N

ClientSampleId :

BP-MW158S1-TB-20220808



Tgt Ion:	42	Resp:	603
Ion Ratio	100	Lower	Upper
42	100		
72	0.0	39.7	59.5#
71	9.3	36.6	55.0#



#31

Cyclohexane

Concen: 1.075 ug/l

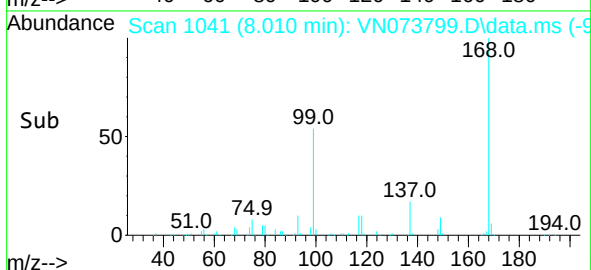
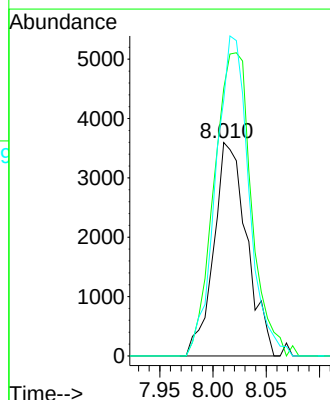
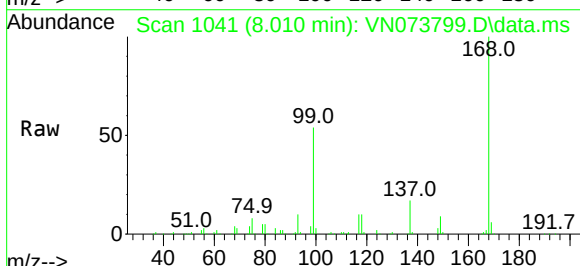
RT: 8.010 min Scan# 1041

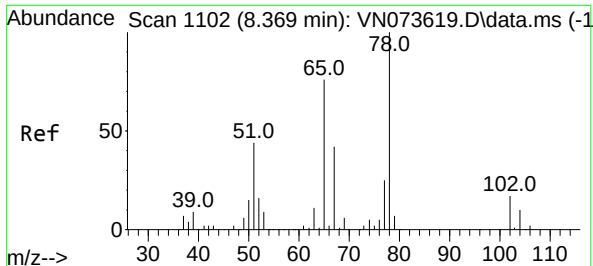
Delta R.T. -0.012 min

Lab File: VN073799.D

Acq: 10 Aug 2022 15:45

Tgt Ion:	56	Resp:	7729
Ion Ratio	100	Lower	Upper
56	100		
69	125.2	27.8	41.8#
84	119.8	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 50.508 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073799.D

Acq: 10 Aug 2022 15:45

Instrument :

MSVOA_N

ClientSampleId :

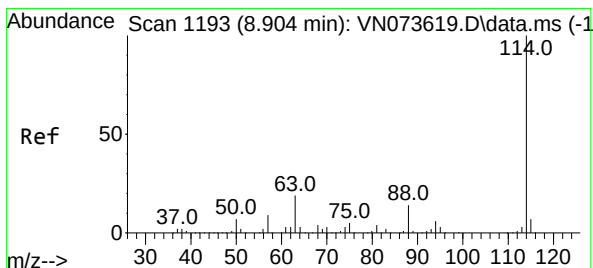
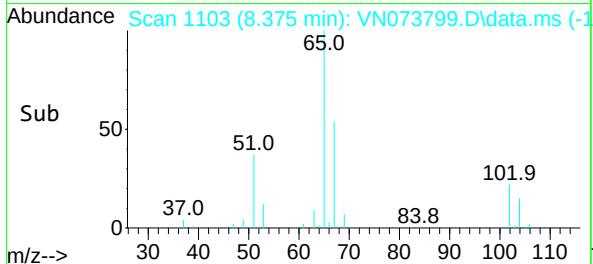
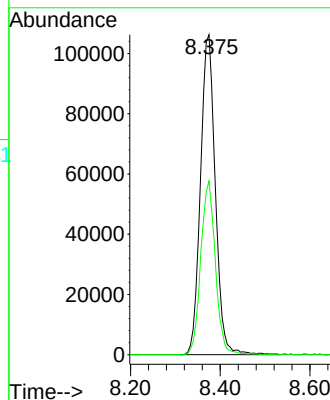
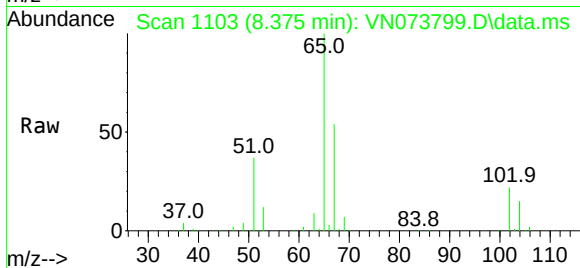
BP-MW158S1-TB-20220808

Tgt Ion: 65 Resp: 243943

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073799.D

Acq: 10 Aug 2022 15:45

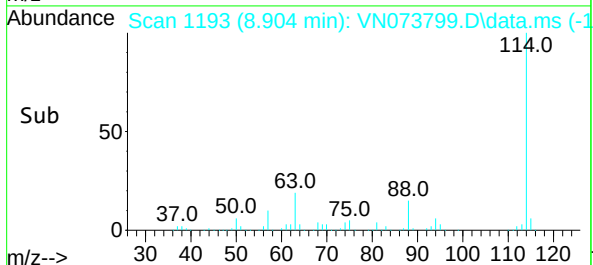
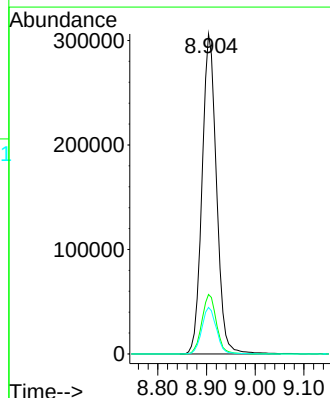
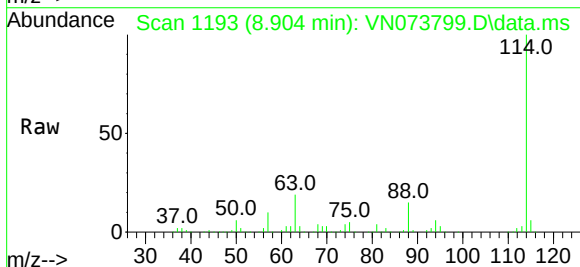
Tgt Ion: 114 Resp: 630417

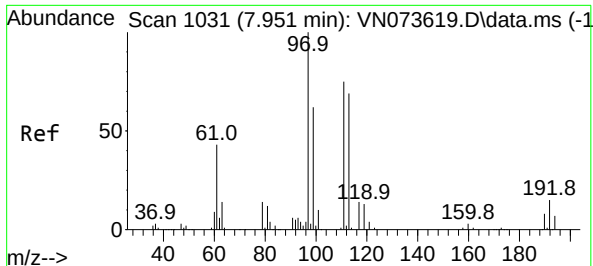
Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

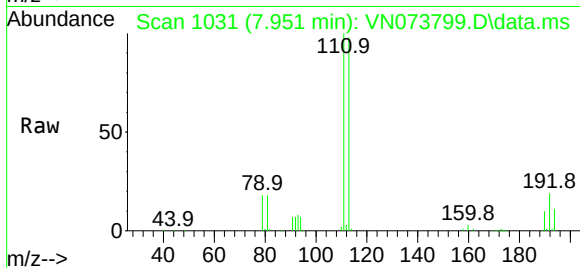
88 14.6 0.0 32.6



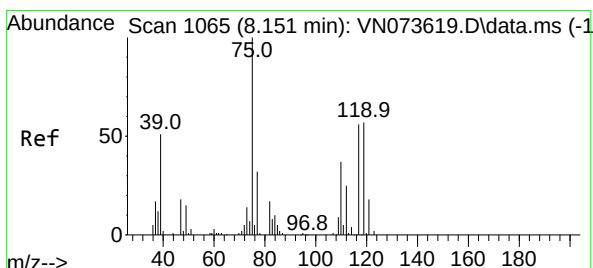
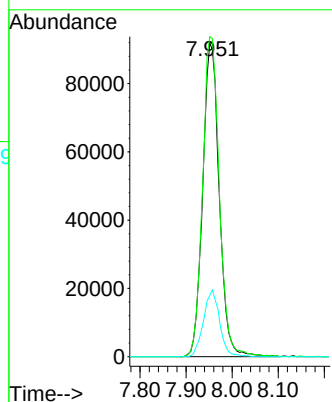
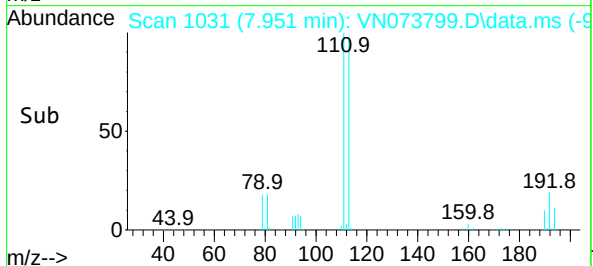


#35
Dibromofluoromethane
Concen: 58.037 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-TB-20220808

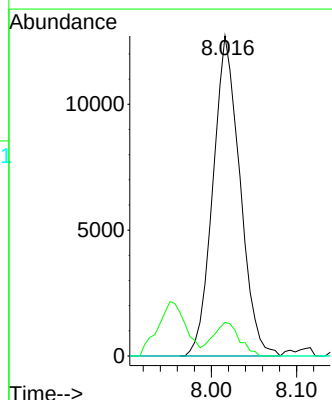
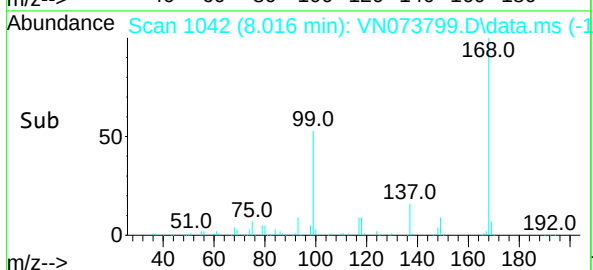
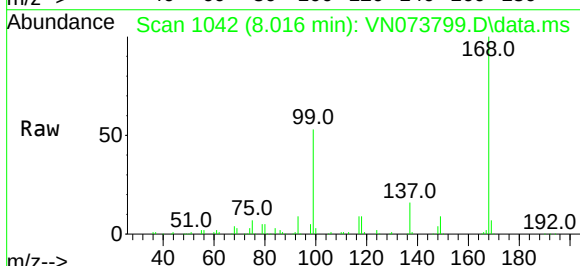


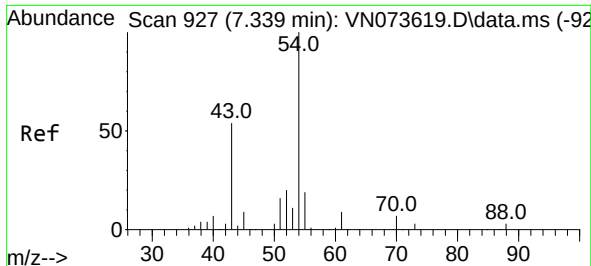
Tgt Ion:113 Resp: 229747
Ion Ratio Lower Upper
113 100
111 103.6 81.4 122.0
192 20.8 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

Tgt Ion: 75 Resp: 28030
Ion Ratio Lower Upper
75 100
110 10.3 18.3 54.8#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.346 ug/l

RT: 7.245 min Scan# 91

Delta R.T. -0.094 min

Lab File: VN073799.D

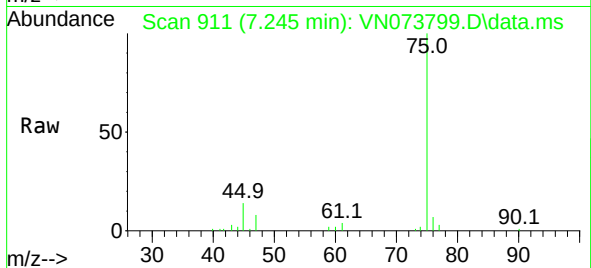
Acq: 10 Aug 2022 15:45

Instrument :

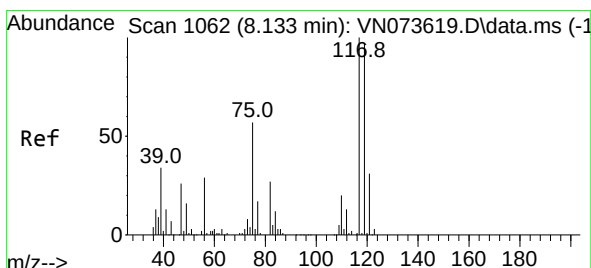
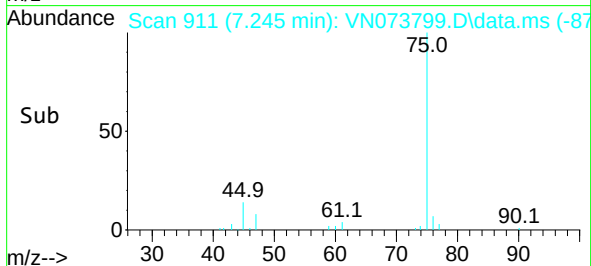
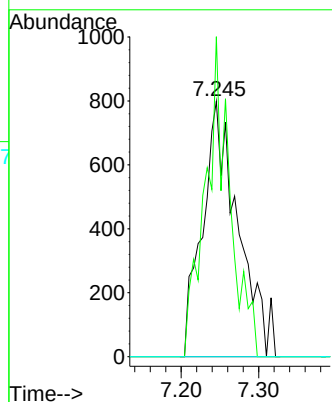
MSVOA_N

ClientSampleId :

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Tgt Ion:	43	Resp:	2569
Ion Ratio	100	Lower	Upper
43	100		
61	85.8	11.8	17.6#
70	0.0	9.3	13.9#



#38

Carbon Tetrachloride

Concen: 6.436 ug/l

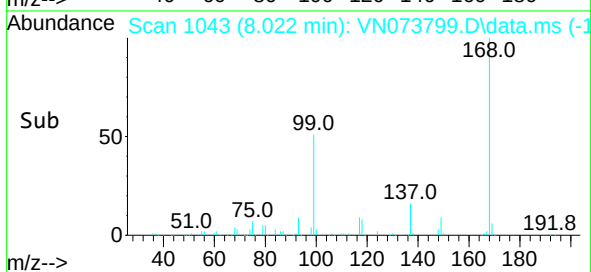
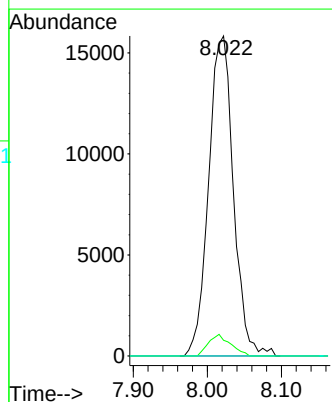
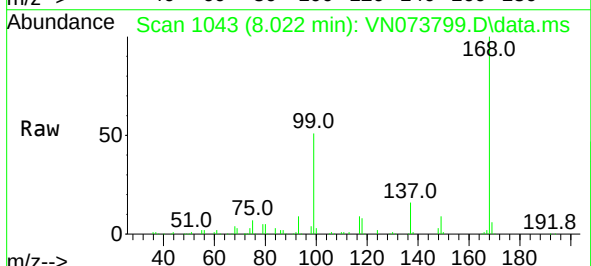
RT: 8.022 min Scan# 1043

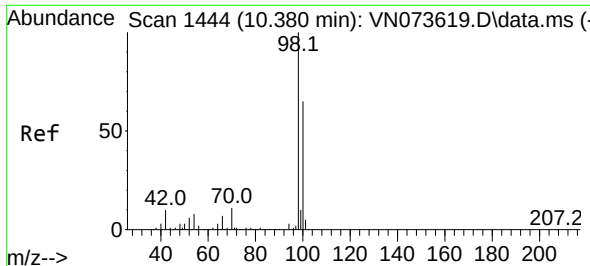
Delta R.T. -0.112 min

Lab File: VN073799.D

Acq: 10 Aug 2022 15:45

Tgt Ion:	117	Resp:	36878
Ion Ratio	100	Lower	Upper
117	100		
119	4.9	75.8	113.8#
121	0.0	24.6	37.0#

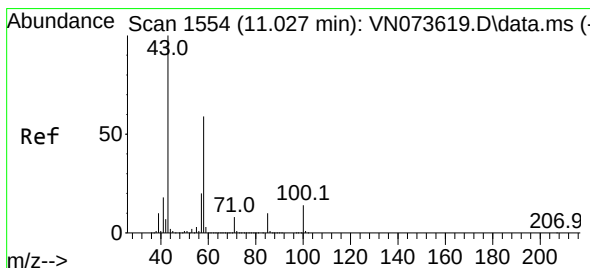
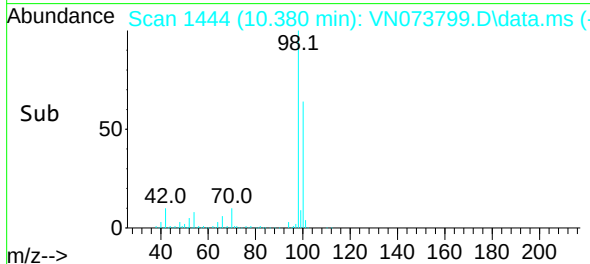
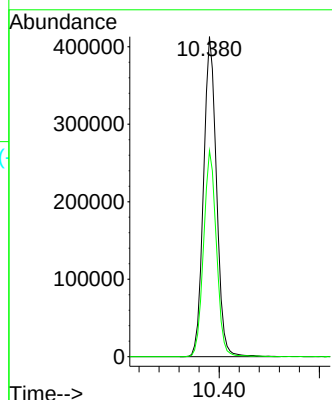
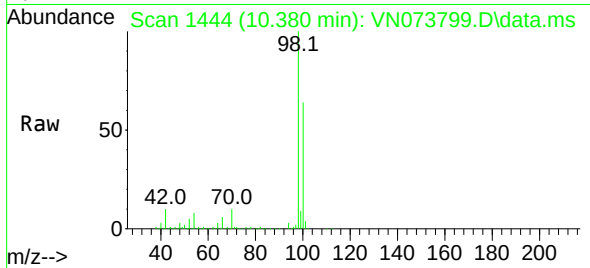




#50
Toluene-d8
Concen: 47.705 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

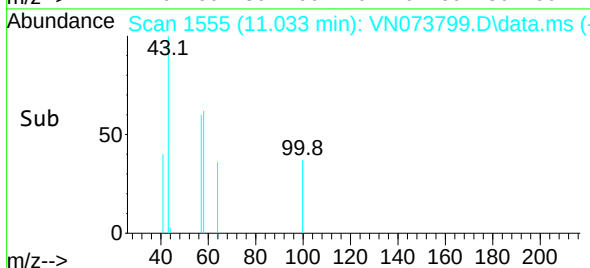
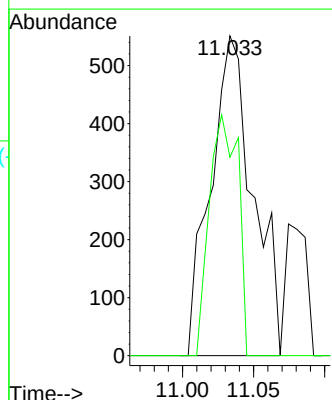
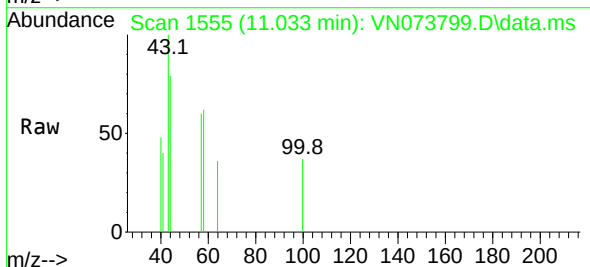
Instrument :
MSVOA_N
ClientSampleId :
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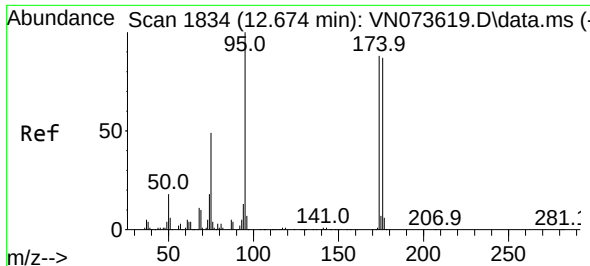
Tgt Ion: 98 Resp: 743135
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8



#59
2-Hexanone
Concen: 0.211 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

Tgt Ion: 43 Resp: 1150
Ion Ratio Lower Upper
43 100
58 50.7 29.7 89.1

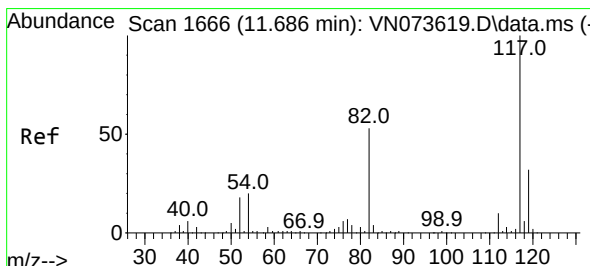
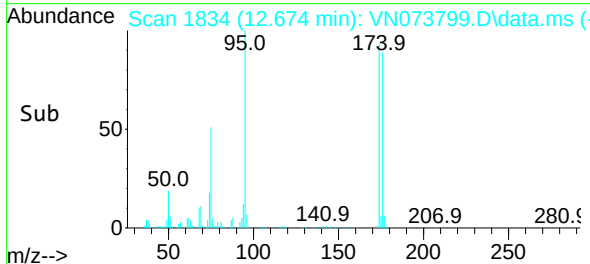
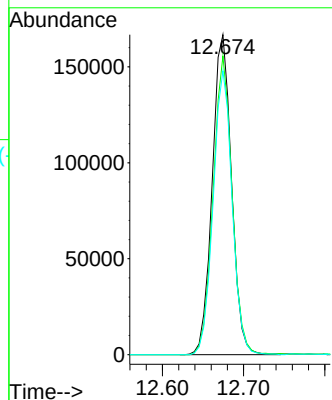
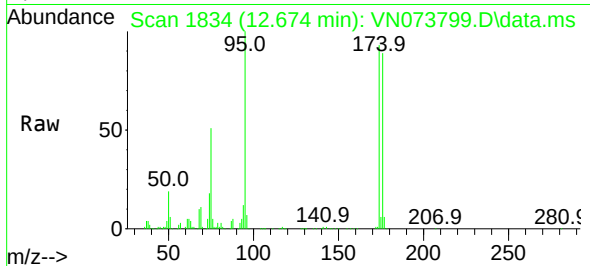




#62
4-Bromofluorobenzene
Concen: 50.338 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

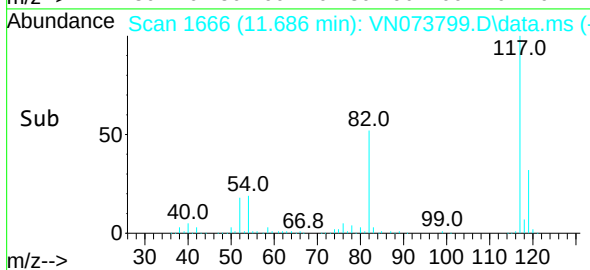
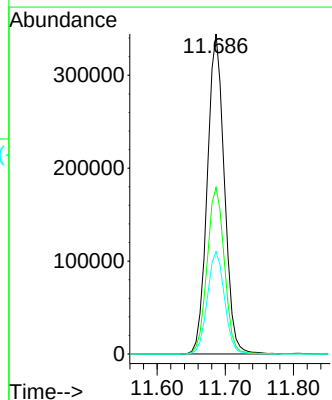
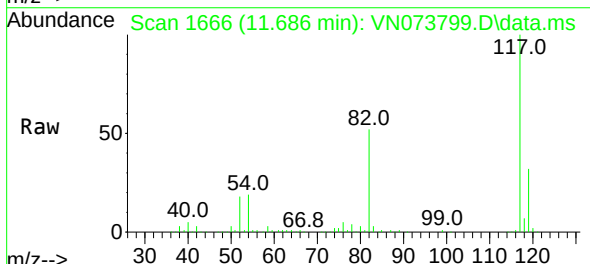
Instrument :
MSVOA_N
ClientSampleId :
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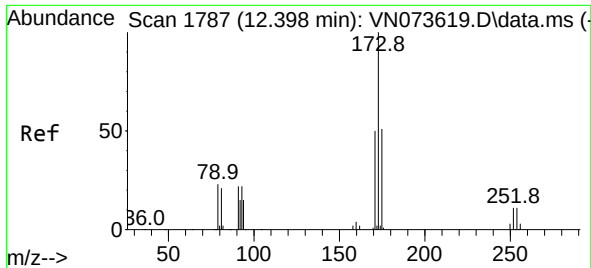
Tgt Ion: 95 Resp: 275382
Ion Ratio Lower Upper
95 100
174 91.6 0.0 167.6
176 87.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

Tgt Ion: 117 Resp: 599225
Ion Ratio Lower Upper
117 100
82 52.0 44.2 66.2
119 32.0 25.4 38.0

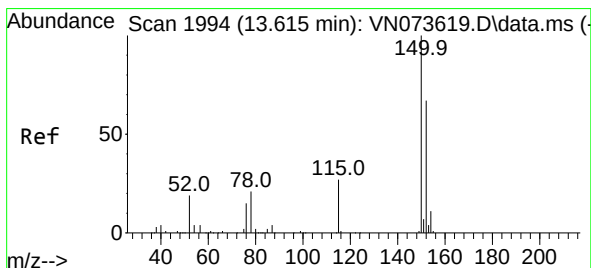
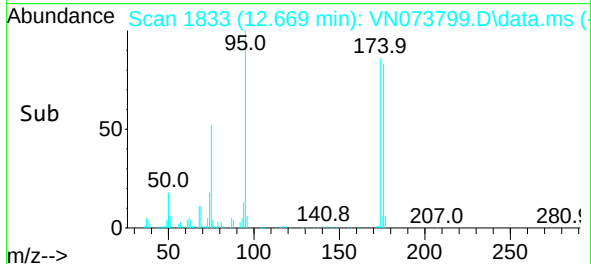
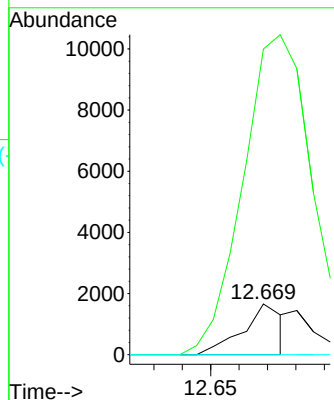
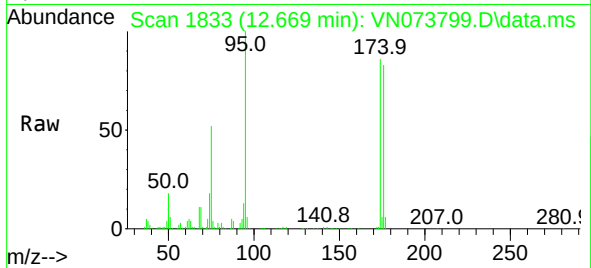




#71
Bromoform
Concen: 0.427 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

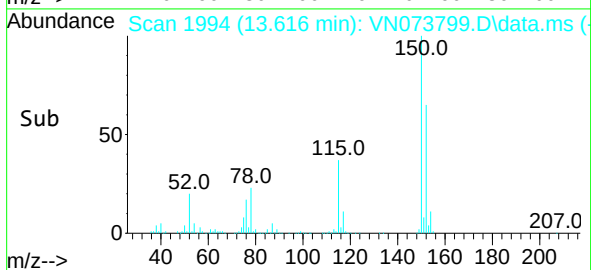
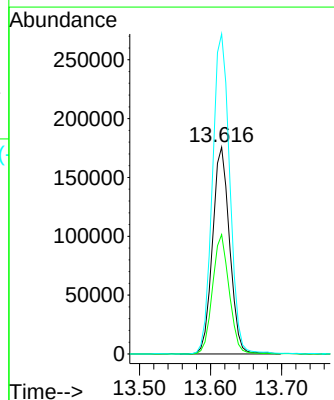
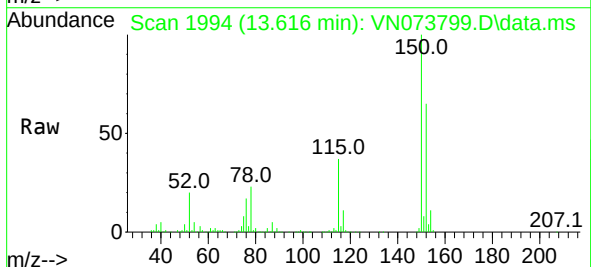
Instrument :
MSVOA_N
ClientSampleId :
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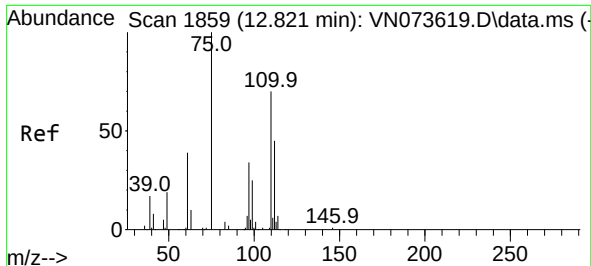
Tgt Ion:173 Resp: 1610
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

Tgt Ion:152 Resp: 292613
Ion Ratio Lower Upper
152 100
115 56.4 28.9 86.7
150 157.7 0.0 356.2

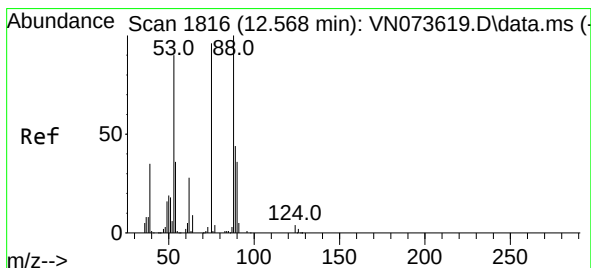
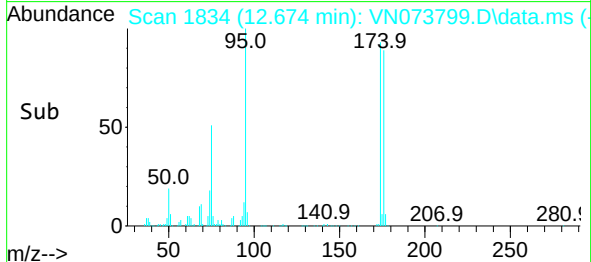
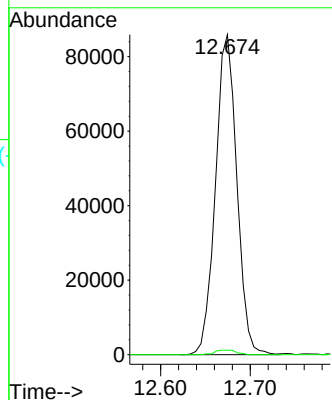
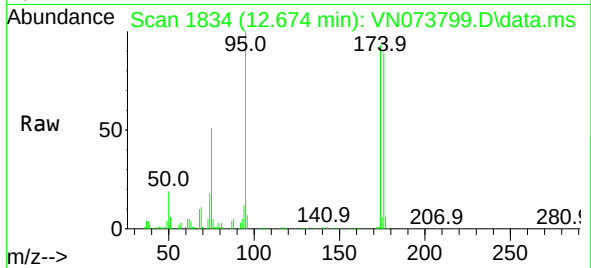




#76
1,2,3-Trichloropropane
Concen: 24.837 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

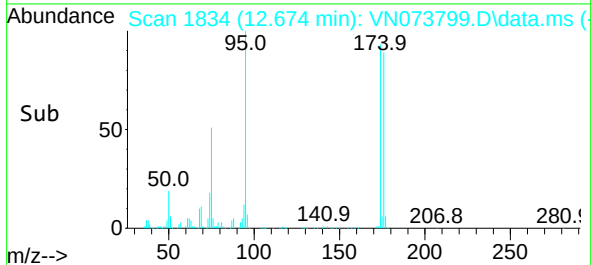
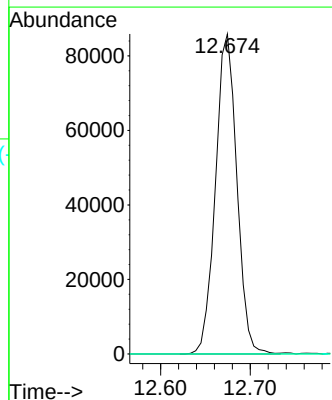
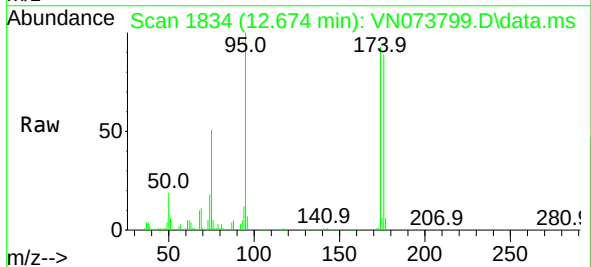
Instrument :
MSVOA_N
ClientSampleId :
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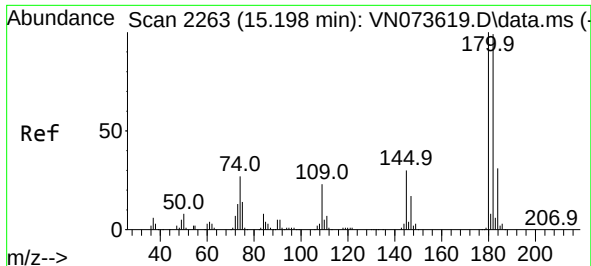
Tgt Ion: 75 Resp: 141836
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.817 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

Tgt Ion: 75 Resp: 141836
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

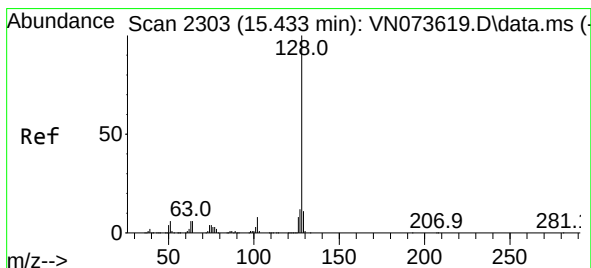
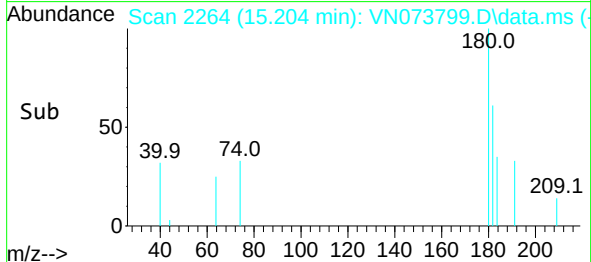
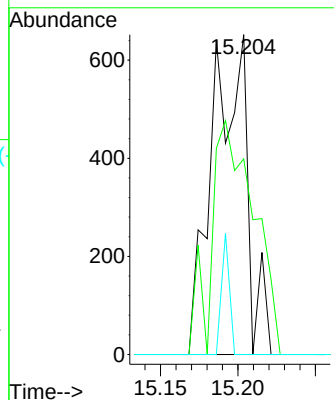
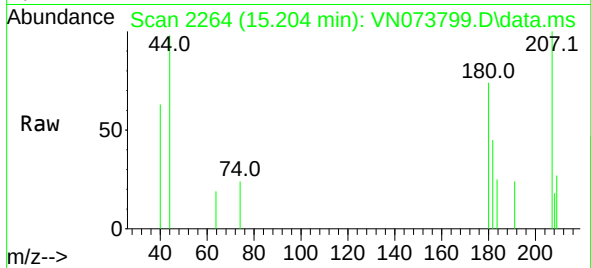




#93
1,2,4-Trichlorobenzene
Concen: 0.201 ug/l
RT: 15.204 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-TB-20220808

Tgt Ion:180 Resp: 1028
Ion Ratio Lower Upper
180 100
182 89.2 47.5 142.5
145 8.5 14.5 43.5#



#95
Naphthalene
Concen: 0.337 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN073799.D
Acq: 10 Aug 2022 15:45

Tgt Ion:128 Resp: 5606
Ion Ratio Lower Upper
128 100
127 5.0 10.3 15.5#
129 8.5 8.6 13.0#

