

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062822\
 Data File : VN073224.D
 Acq On : 29 Jun 2022 02:18
 Operator : JC\MD
 Sample : N3409-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Jun 29 04:27:55 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)

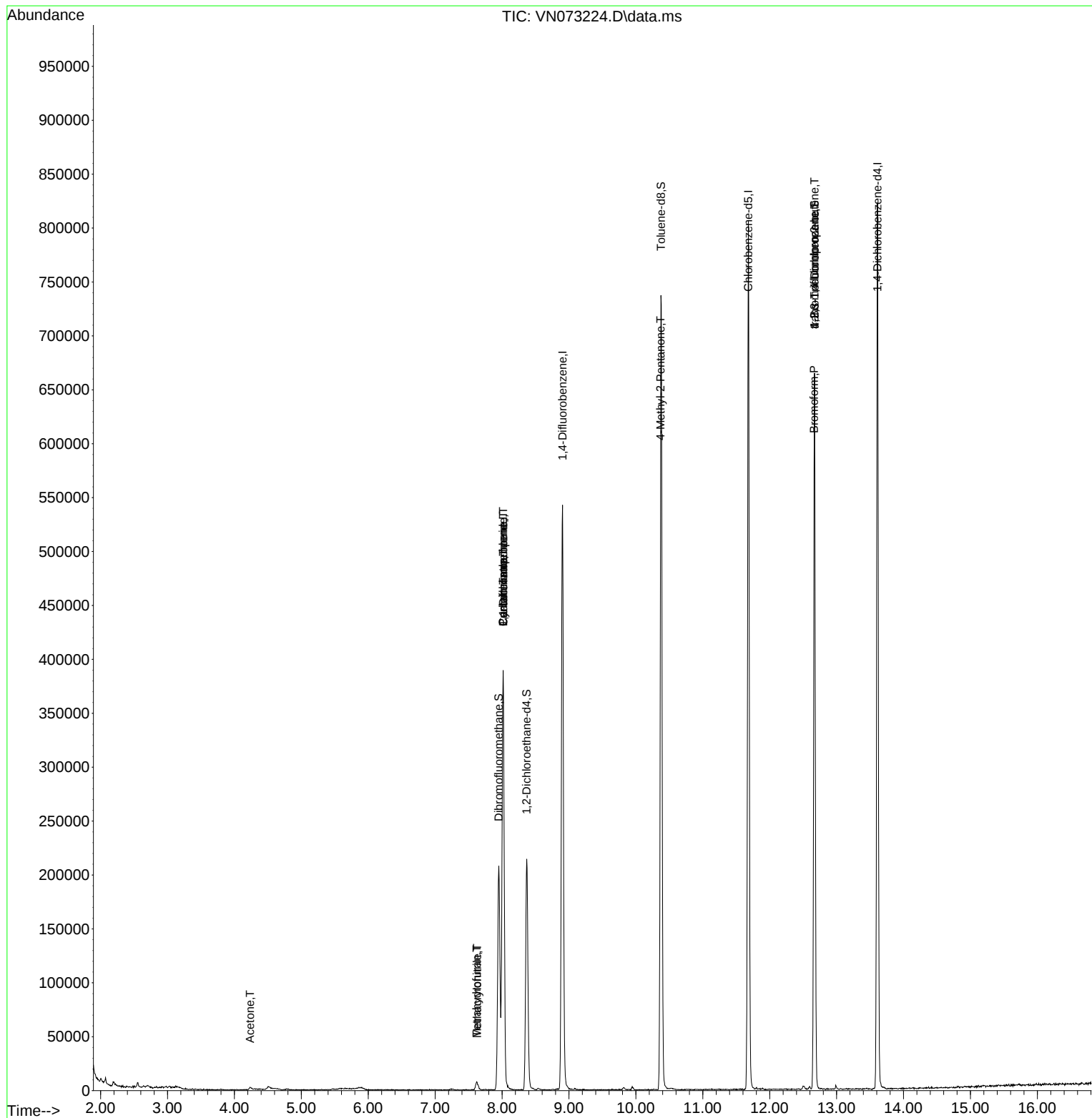
Internal Standards						
1) Pentafluorobenzene	8.016	168	293563	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	486908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	451491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	216382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	184454	43.525	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.040%
35) Dibromofluoromethane	7.951	113	155357	47.958	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.920%
50) Toluene-d8	10.375	98	504418	43.841	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	87.680%
62) 4-Bromofluorobenzene	12.669	95	224011	50.664	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.320%
Target Compounds						
					Qvalue	
16) Acetone	4.234	43	4202	1.766	ug/l	92
29) Tetrahydrofuran	7.622	42	6727	2.594	ug/l	# 80
31) Cyclohexane	8.016	56	6768	0.975	ug/l	# 4
36) 1,1-Dichloropropene	8.016	75	24705	4.956	ug/l	# 49
38) Carbon Tetrachloride	8.016	117	30266	5.872	ug/l	# 16
41) Methacrylonitrile	7.628	41	3668	1.004	ug/l	# 32
51) 4-Methyl-2-Pentanone	10.369	43	2670	0.389	ug/l	# 1
71) Bromoform	12.663	173	2021	0.735	ug/l	# 1
76) 1,2,3-Trichloropropane	12.669	75	120314	21.265	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.669	75	120314	58.317	ug/l	# 10

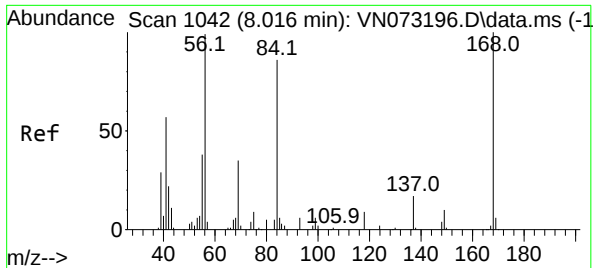
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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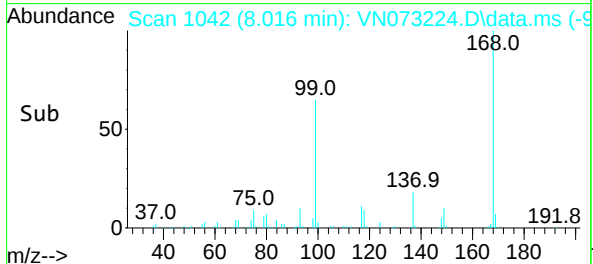
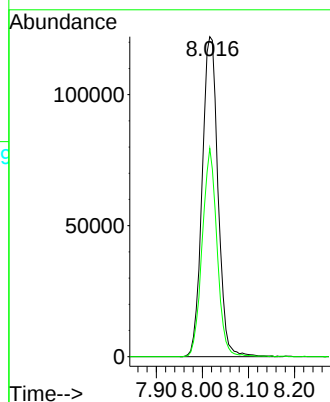
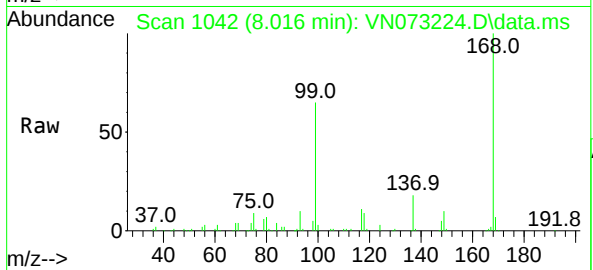




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073224.D
Acq: 29 Jun 2022 02:18

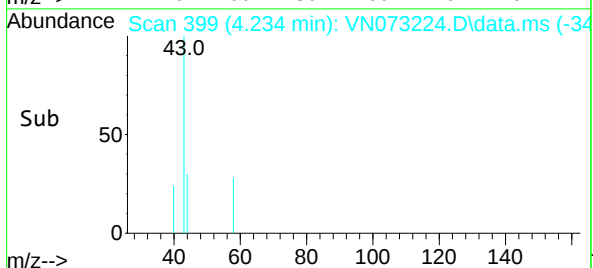
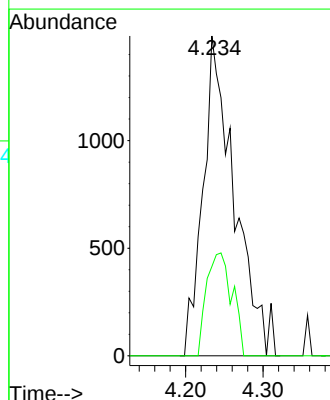
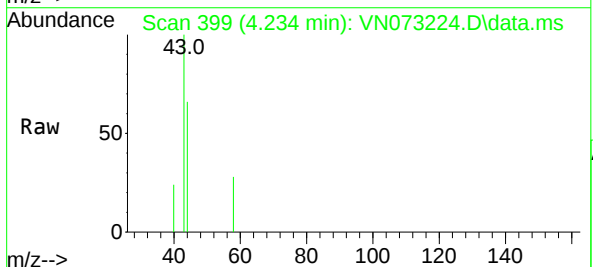
Instrument :
MSVOA_N
ClientSampleId :
MW-2

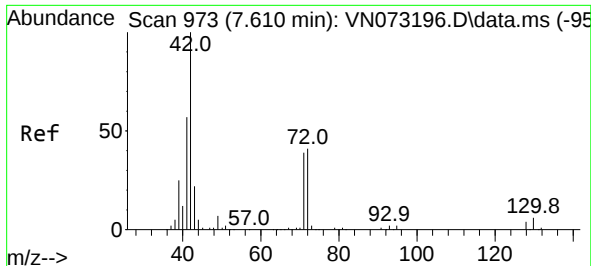
Tgt Ion:168 Resp: 293563
Ion Ratio Lower Upper
168 100
99 65.1 42.3 63.5#



#16
Acetone
Concen: 1.766 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073224.D
Acq: 29 Jun 2022 02:18

Tgt Ion: 43 Resp: 4202
Ion Ratio Lower Upper
43 100
58 27.9 26.0 39.0





#29

Tetrahydrofuran

Concen: 2.594 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073224.D

Acq: 29 Jun 2022 02:18

Instrument :

MSVOA_N

ClientSampleId :

MW-2

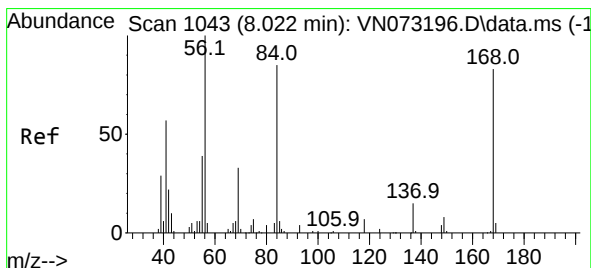
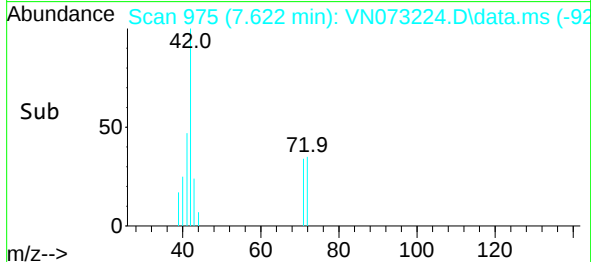
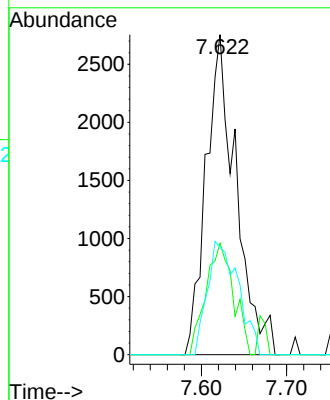
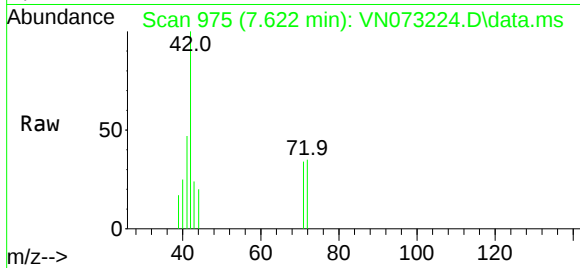
Tgt Ion: 42 Resp: 6727

Ion Ratio Lower Upper

42 100

72 32.2 39.7 59.5#

71 36.4 36.6 55.0#



#31

Cyclohexane

Concen: 0.975 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073224.D

Acq: 29 Jun 2022 02:18

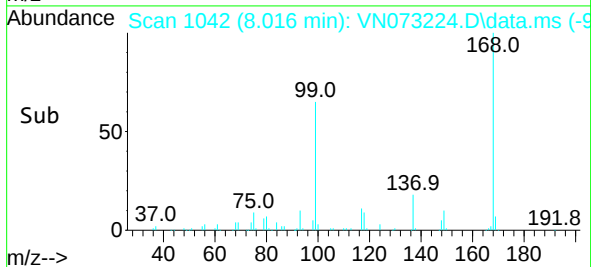
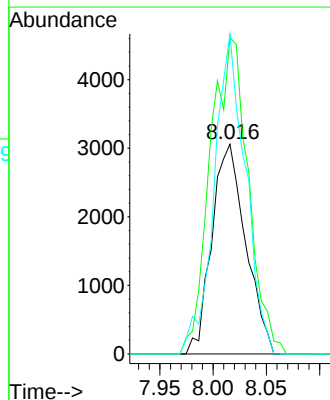
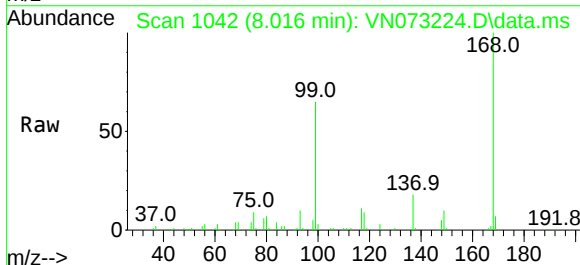
Tgt Ion: 56 Resp: 6768

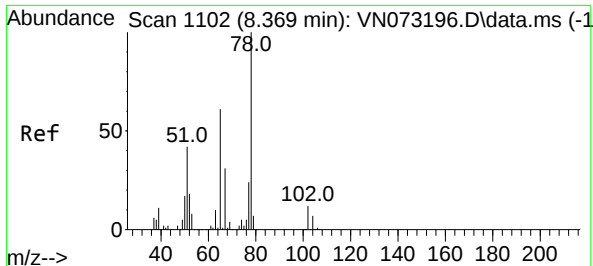
Ion Ratio Lower Upper

56 100

69 150.9 27.8 41.8#

84 152.5 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 43.525 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073224.D

Acq: 29 Jun 2022 02:18

Instrument :

MSVOA_N

ClientSampleId :

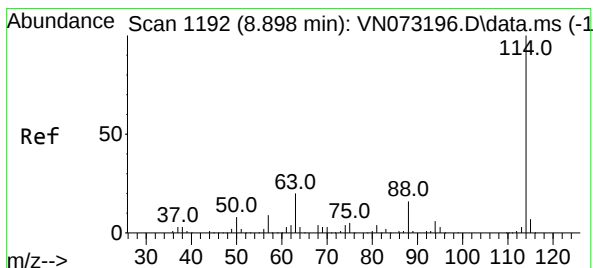
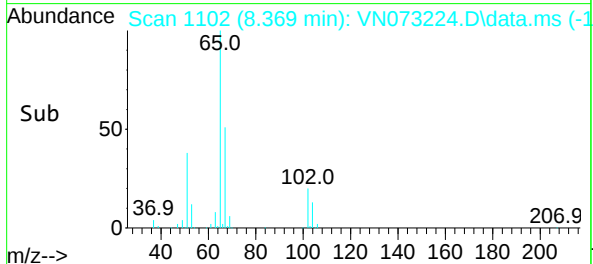
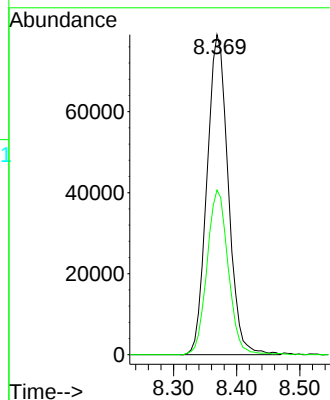
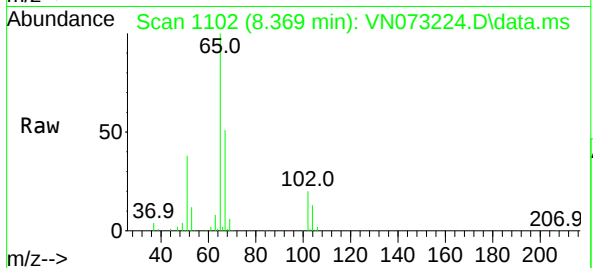
MW-2

Tgt Ion: 65 Resp: 184454

Ion Ratio Lower Upper

65 100

67 51.2 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: VN073224.D

Acq: 29 Jun 2022 02:18

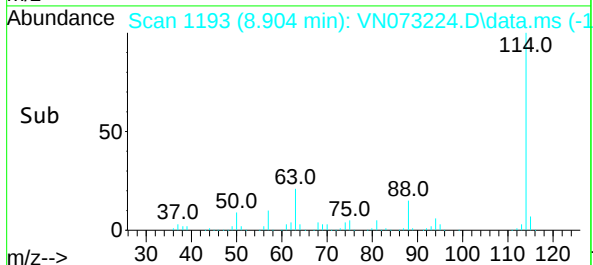
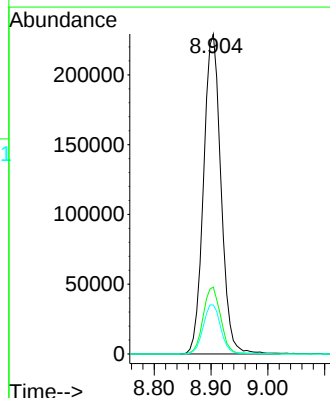
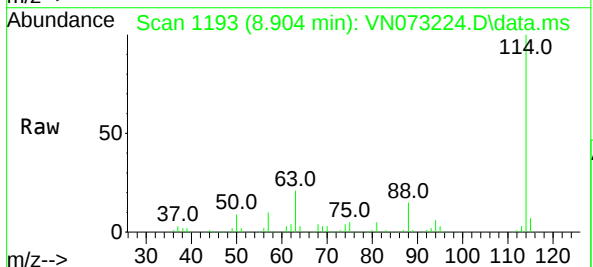
Tgt Ion: 114 Resp: 486908

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 15.3 0.0 32.6

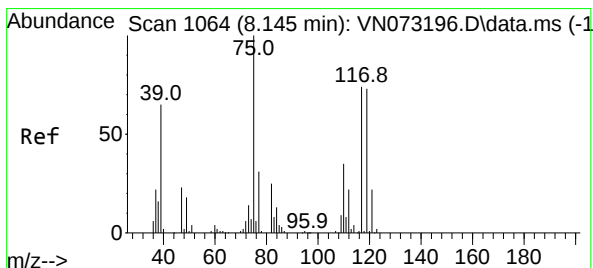
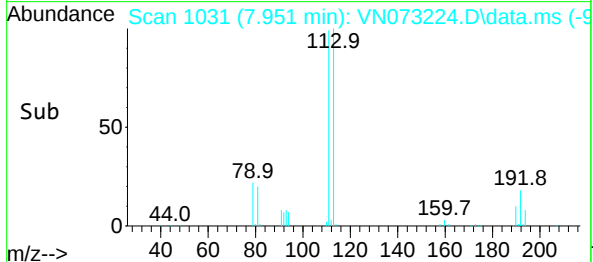
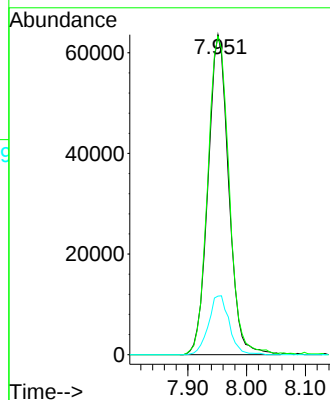
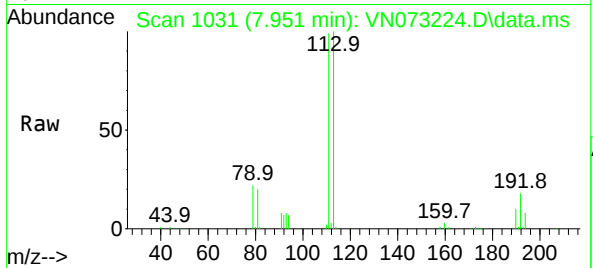




#35
Dibromofluoromethane
Concen: 47.958 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073224.D
Acq: 29 Jun 2022 02:18

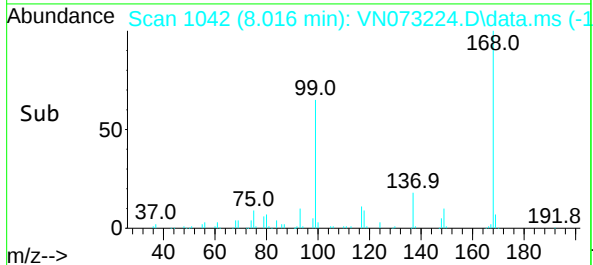
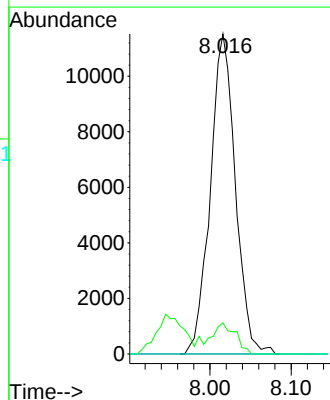
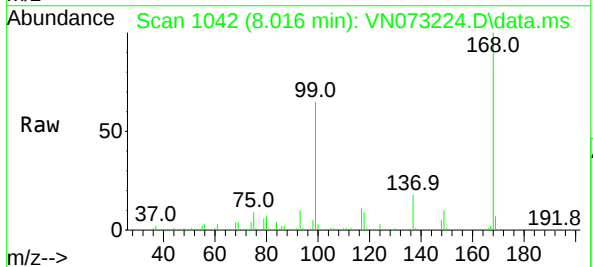
Instrument :
MSVOA_N
ClientSampleId :
MW-2

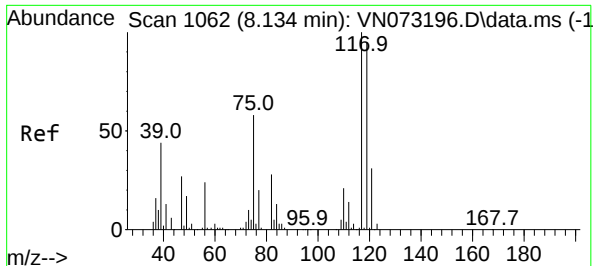
Tgt Ion:113 Resp: 155357
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 18.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.956 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.129 min
Lab File: VN073224.D
Acq: 29 Jun 2022 02:18

Tgt Ion: 75 Resp: 24705
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#

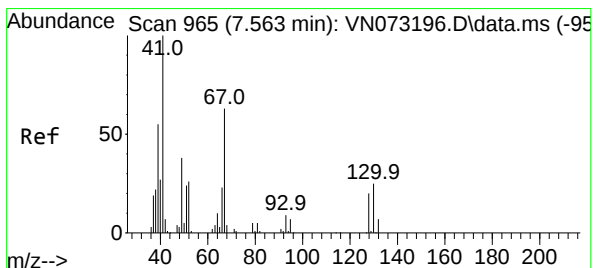
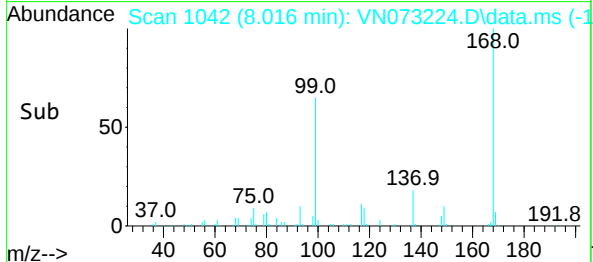
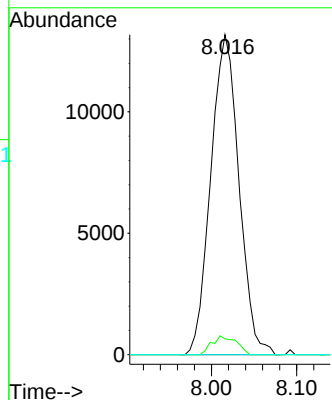
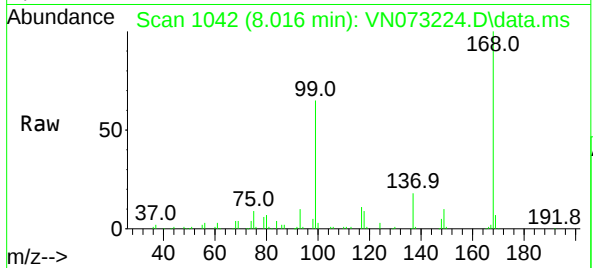




#38
Carbon Tetrachloride
Concen: 5.872 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073224.D
Acq: 29 Jun 2022 02:18

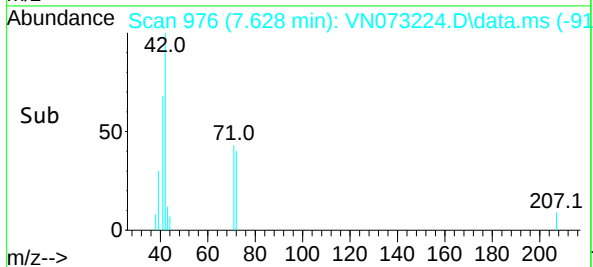
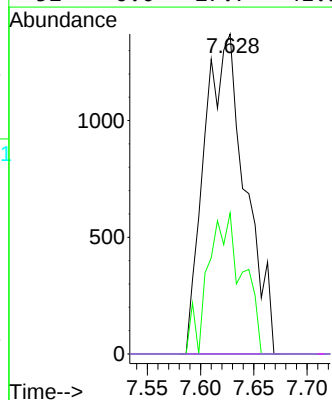
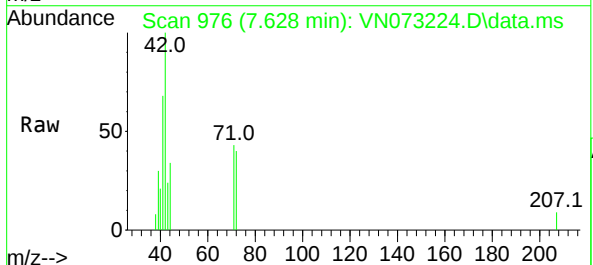
Instrument :
MSVOA_N
ClientSampleId :
MW-2

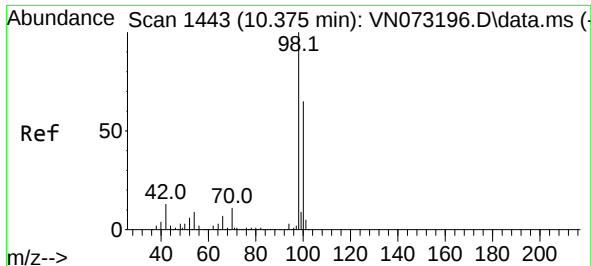
Tgt Ion:117 Resp: 30266
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 1.004 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.065 min
Lab File: VN073224.D
Acq: 29 Jun 2022 02:18

Tgt Ion: 41 Resp: 3668
Ion Ratio Lower Upper
41 100
39 37.4 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

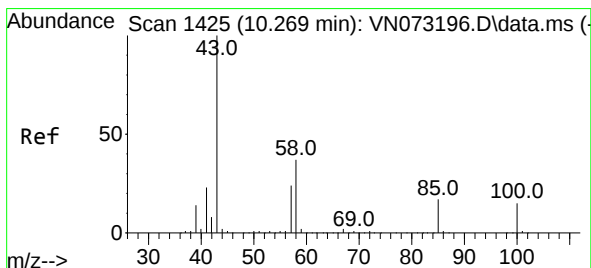
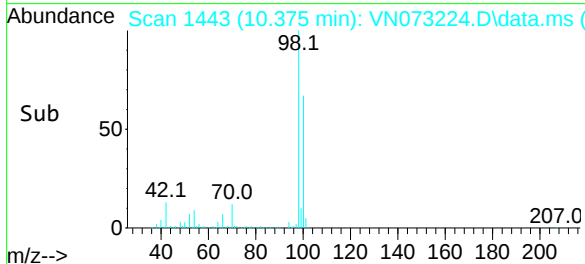
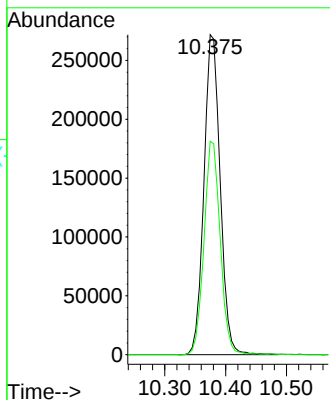
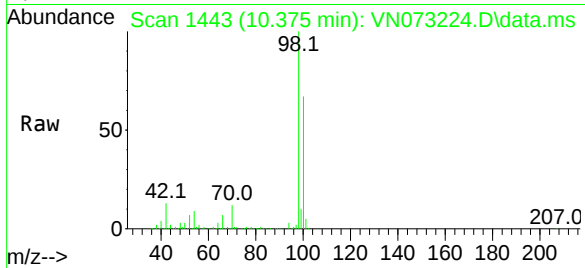




#50
Toluene-d8
Concen: 43.841 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN073224.D
Acq: 29 Jun 2022 02:18

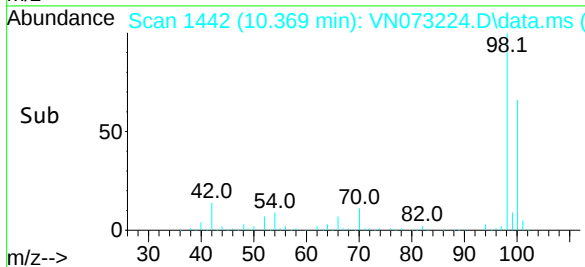
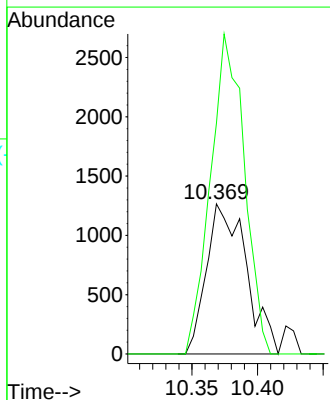
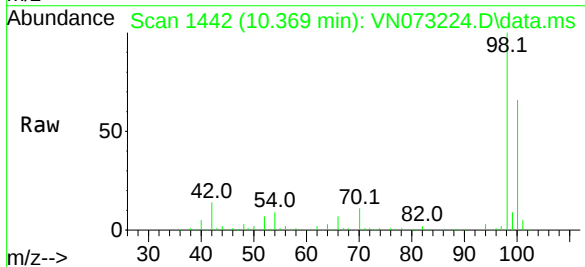
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ClientSampleId :
MW-2

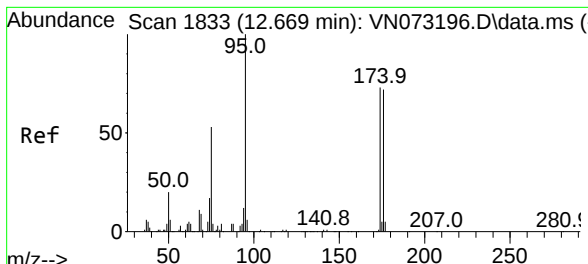
Tgt Ion: 98 Resp: 504418
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.389 ug/l
RT: 10.369 min Scan# 1442
Delta R.T. 0.100 min
Lab File: VN073224.D
Acq: 29 Jun 2022 02:18

Tgt Ion: 43 Resp: 2670
Ion Ratio Lower Upper
43 100
58 181.6 34.1 51.1#

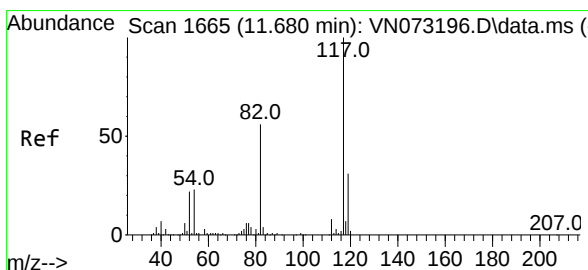
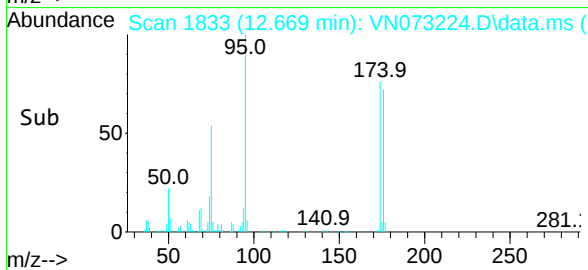
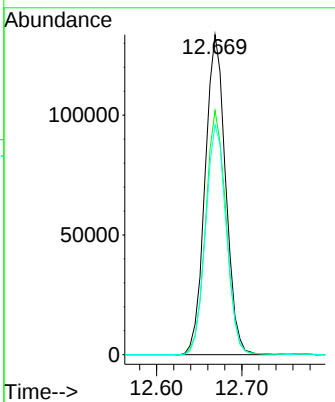
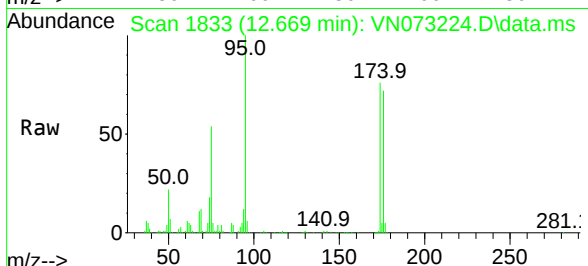




#62
 4-Bromofluorobenzene
 Concen: 50.664 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.001 min
 Lab File: VN073224.D
 Acq: 29 Jun 2022 02:18

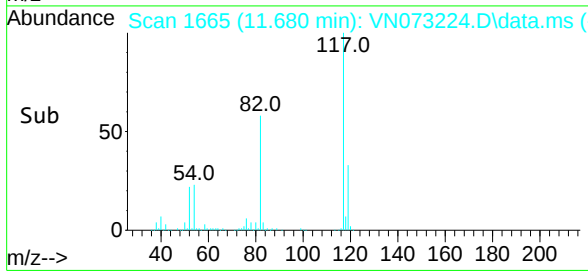
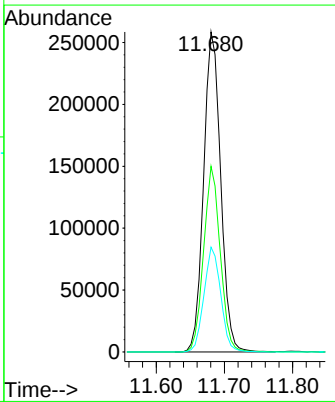
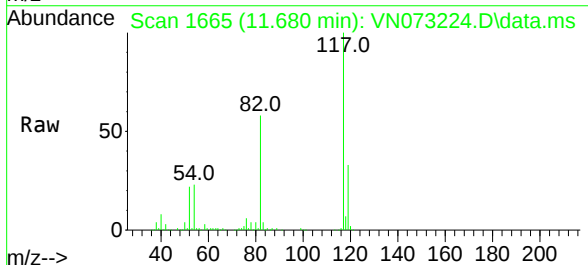
Instrument :
 MSVOA_N
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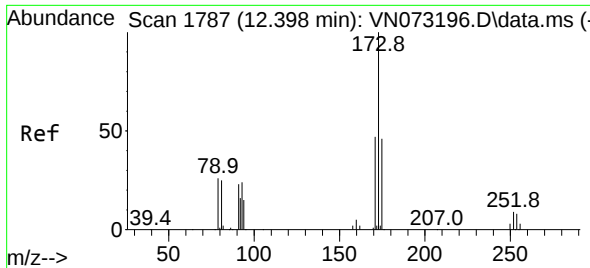
Tgt Ion:	95	Resp:	224011
Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	167.6
176	72.6	0.0	163.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.680 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VN073224.D
 Acq: 29 Jun 2022 02:18

Tgt Ion:	117	Resp:	451491
Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.2	66.2
119	32.7	25.4	38.0

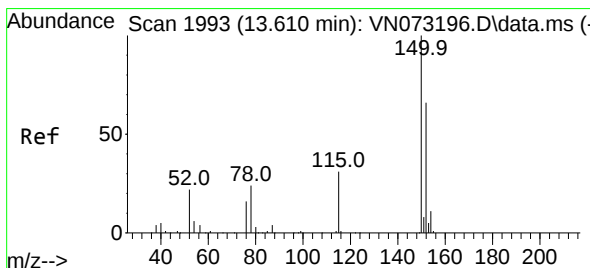
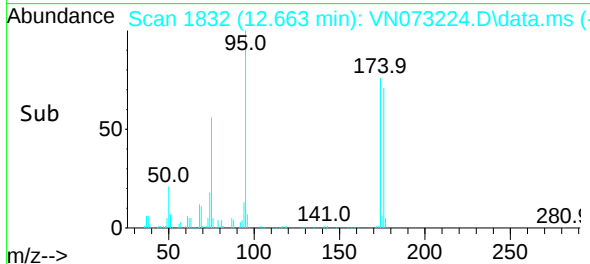
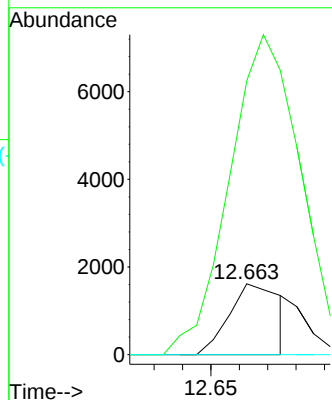
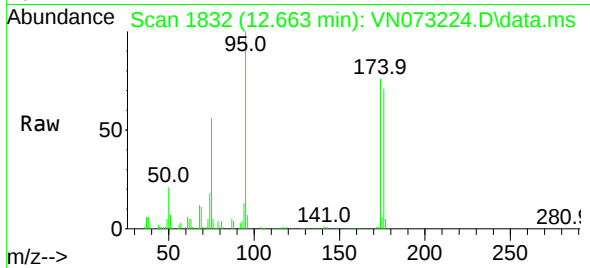




#71
Bromoform
Concen: 0.735 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.265 min
Lab File: VN073224.D
Acq: 29 Jun 2022 02:18

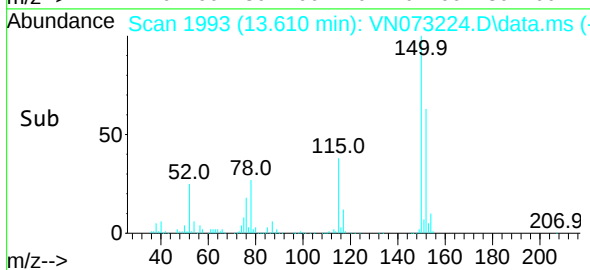
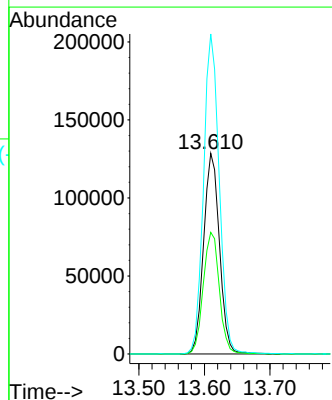
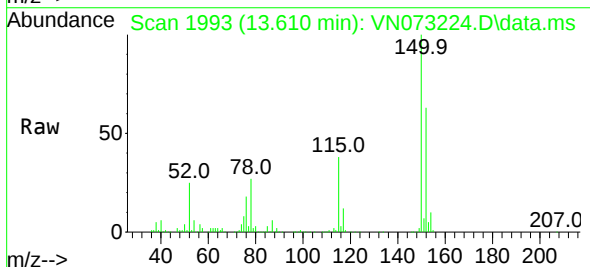
Instrument :
MSVOA_N
ClientSampleId :
MW-2

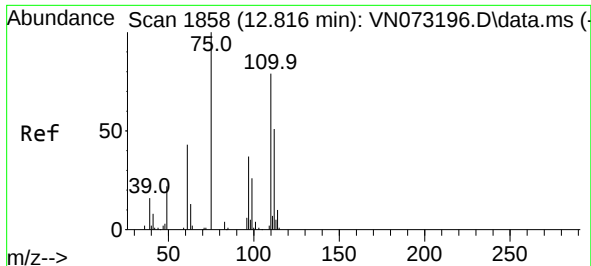
Tgt Ion:173 Resp: 2021
Ion Ratio Lower Upper
173 100
175 477.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073224.D
Acq: 29 Jun 2022 02:18

Tgt Ion:152 Resp: 216382
Ion Ratio Lower Upper
152 100
115 61.6 28.9 86.7
150 158.2 0.0 356.2

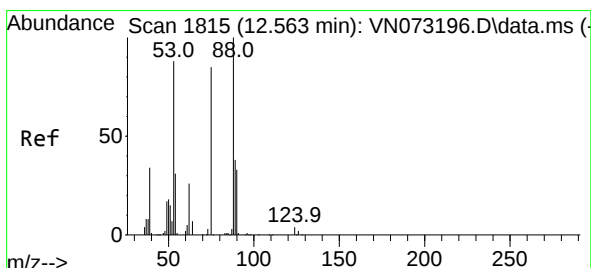
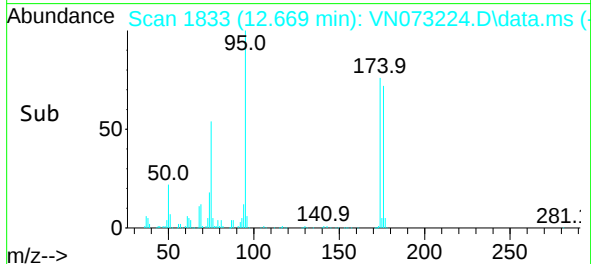
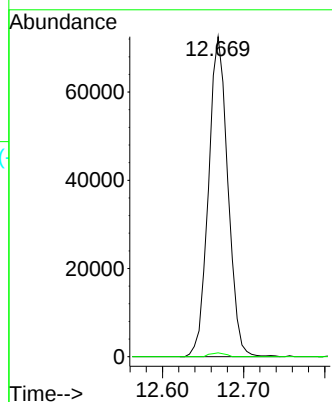
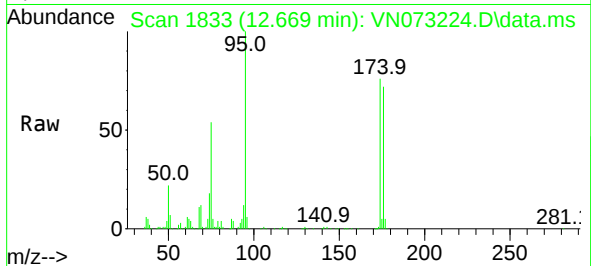




#76
1,2,3-Trichloropropane
Concen: 21.265 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073224.D
Acq: 29 Jun 2022 02:18

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion: 75 Resp: 120314
Ion Ratio Lower Upper
75 100
77 0.9 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.317 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN073224.D
Acq: 29 Jun 2022 02:18

Tgt Ion: 75 Resp: 120314
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

