

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062122\
 Data File : VN073004.D
 Acq On : 22 Jun 2022 05:17
 Operator : JC\MD
 Sample : N3381-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27

Quant Time: Jun 22 07:04:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	288931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	462947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.681	117	419404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	207190	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	173019	44.293	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.580%
35) Dibromofluoromethane	7.951	113	149196	52.140	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.280%
50) Toluene-d8	10.375	98	474924	44.605	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.200%
62) 4-Bromofluorobenzene	12.669	95	208151	54.366	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.740%

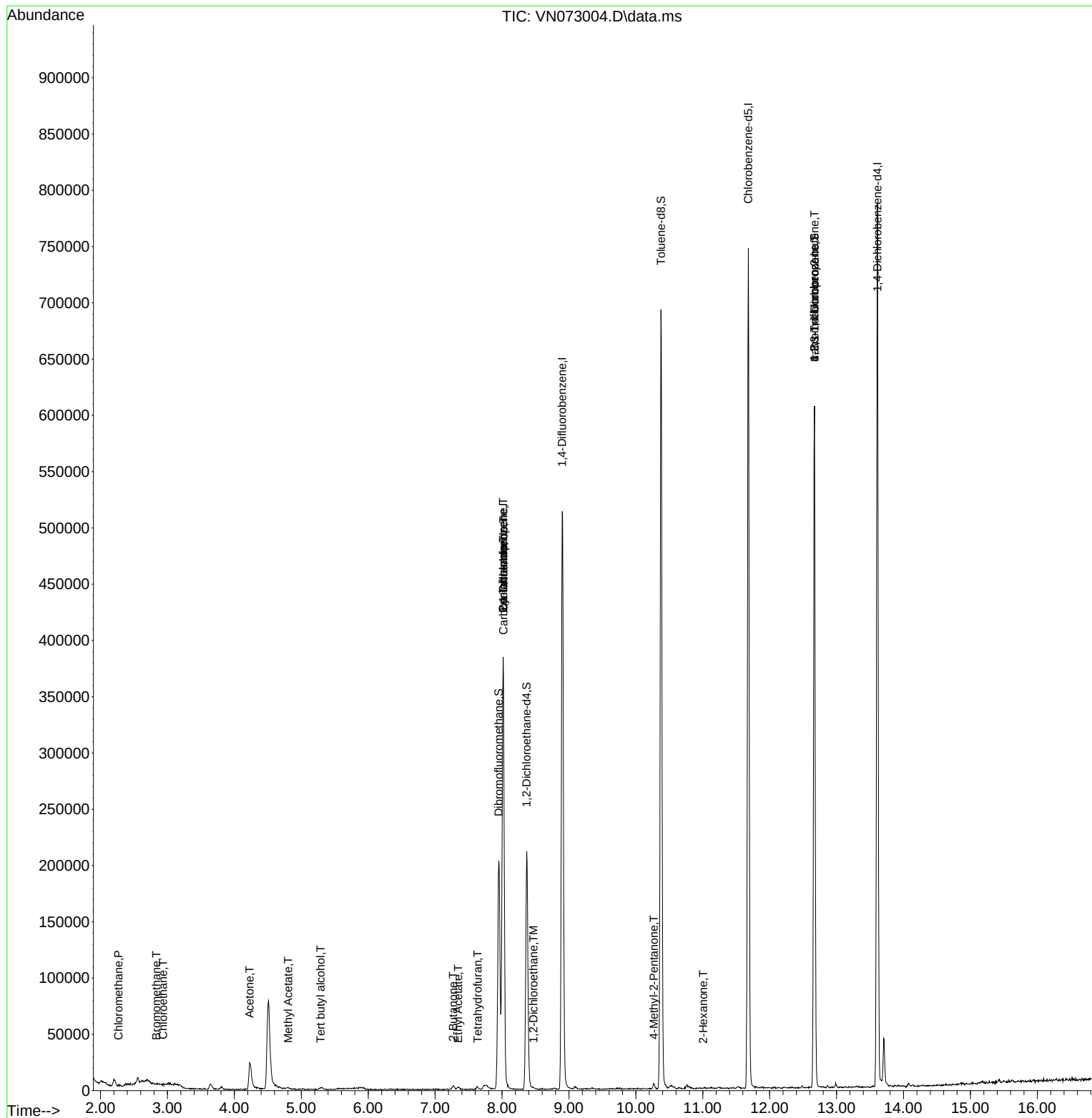
Target Compounds			Qvalue			
3) Chloromethane	2.269	50	561	0.757	ug/l #	83
5) Bromomethane	2.834	94	228	0.235	ug/l #	2
6) Chloroethane	2.934	64	562	0.364	ug/l #	42
11) Tert butyl alcohol	5.287	59	3178	3.150	ug/l #	72
16) Acetone	4.228	43	45405	21.146	ug/l	94
18) Methyl Acetate	4.805	43	2470	0.432	ug/l #	53
20) Methylene Chloride	5.016	84	219	Below Cal	#	30
25) 2-Butanone	7.269	43	4921	1.444	ug/l	99
29) Tetrahydrofuran	7.634	42	1766	0.785	ug/l #	79
31) Cyclohexane	8.016	56	6605	1.250	ug/l #	28
36) 1,1-Dichloropropene	8.016	75	22532	5.819	ug/l #	49
37) Ethyl Acetate	7.346	43	3549	0.573	ug/l #	86
38) Carbon Tetrachloride	8.022	117	28778	7.066	ug/l #	16
42) 1,2-Dichloroethane	8.469	62	937	0.217	ug/l	90
51) 4-Methyl-2-Pentanone	10.269	43	3673	0.636	ug/l #	83
59) 2-Hexanone	11.004	43	930	0.208	ug/l #	21
76) 1,2,3-Trichloropropane	12.669	75	108316	21.563	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	108316	58.233	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.616	75	72	Below Cal	#	1

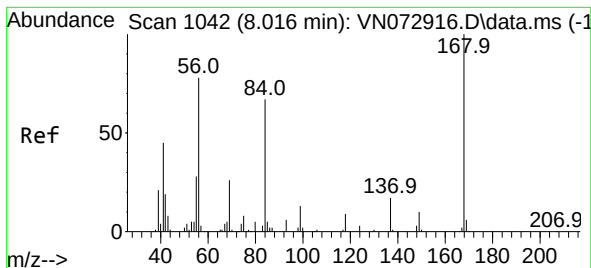
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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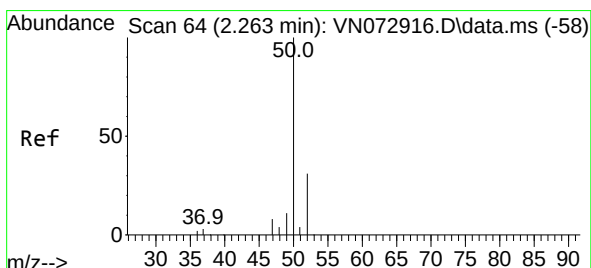
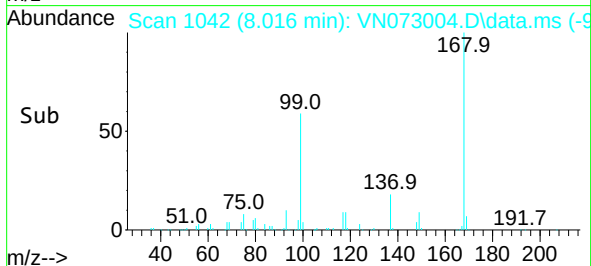
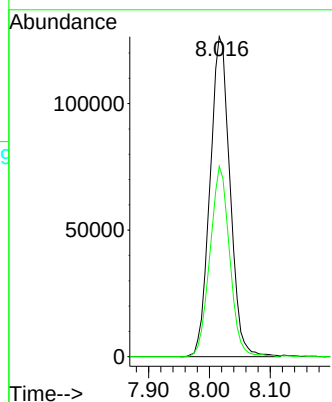
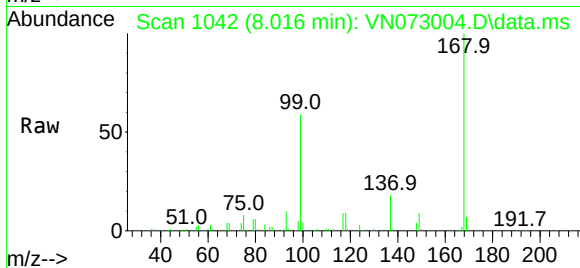




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN073004.D
Acq: 22 Jun 2022 05:17

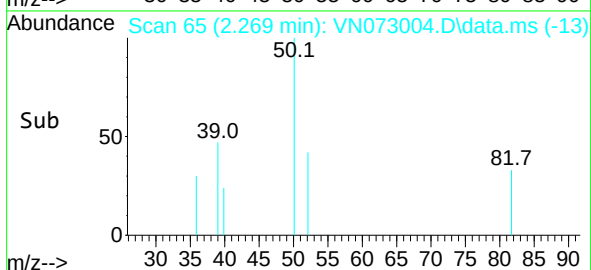
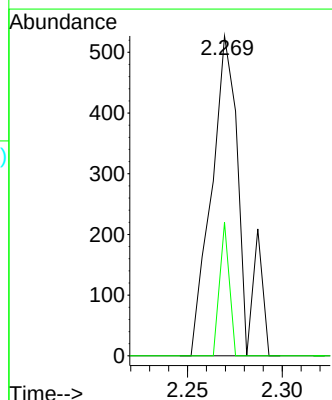
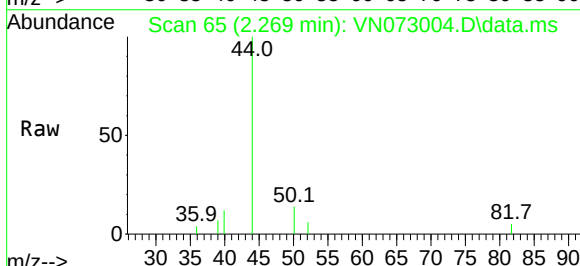
Instrument :
MSVOA_N
ClientSampleId :
MW-27

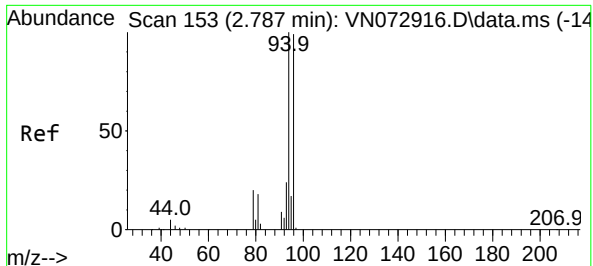
Tgt Ion:168 Resp: 288931
Ion Ratio Lower Upper
168 100
99 59.5 42.3 63.5



#3
Chloromethane
Concen: 0.757 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN073004.D
Acq: 22 Jun 2022 05:17

Tgt Ion: 50 Resp: 561
Ion Ratio Lower Upper
50 100
52 41.7 25.7 38.5#

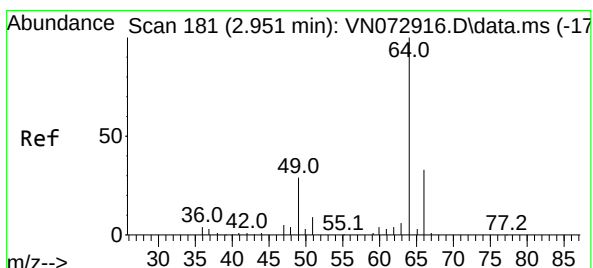
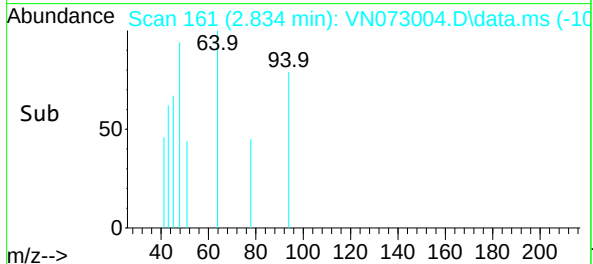
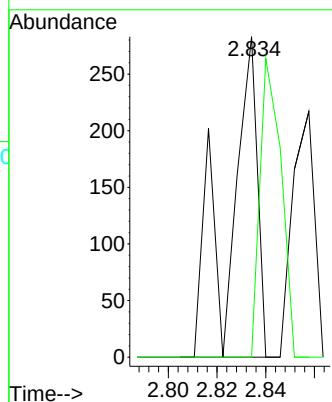
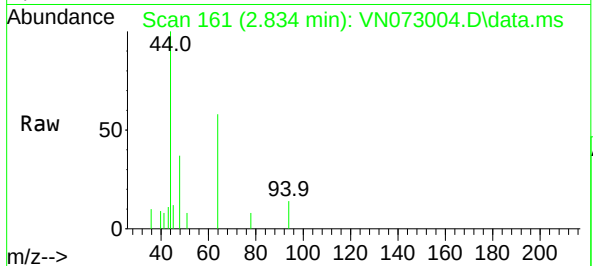




#5
Bromomethane
Concen: 0.235 ug/l
RT: 2.834 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN073004.D
Acq: 22 Jun 2022 05:17

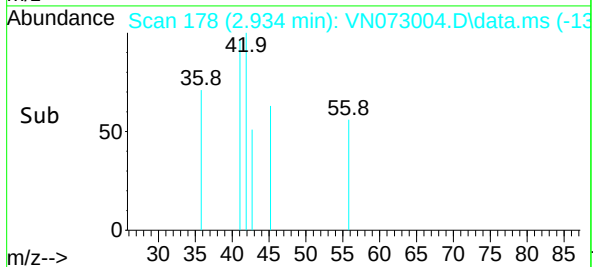
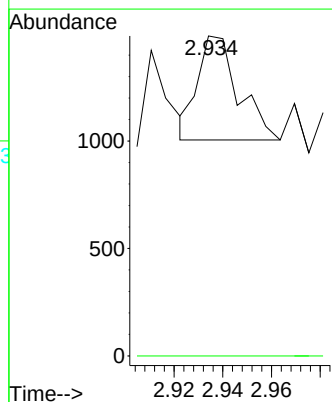
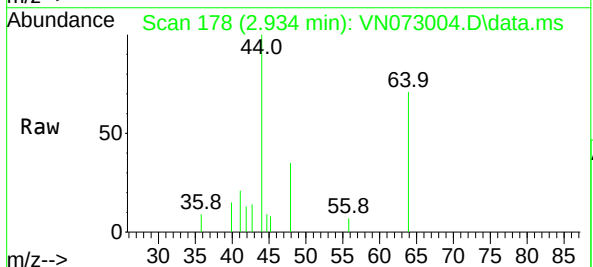
Instrument :
MSVOA_N
ClientSampleId :
MW-27

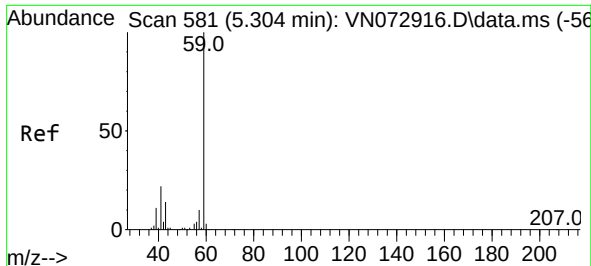
Tgt Ion: 94 Resp: 228
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 0.364 ug/l
RT: 2.934 min Scan# 178
Delta R.T. -0.017 min
Lab File: VN073004.D
Acq: 22 Jun 2022 05:17

Tgt Ion: 64 Resp: 562
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 3.150 ug/l

RT: 5.287 min Scan# 5

Delta R.T. -0.017 min

Lab File: VN073004.D

Acq: 22 Jun 2022 05:17

Instrument :

MSVOA_N

ClientSampleId :

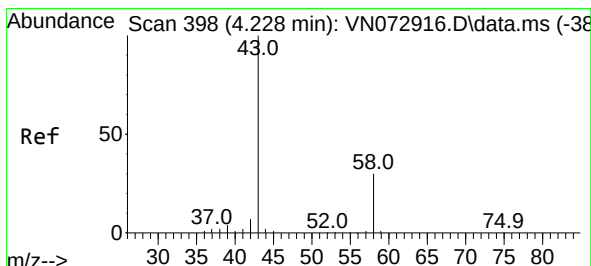
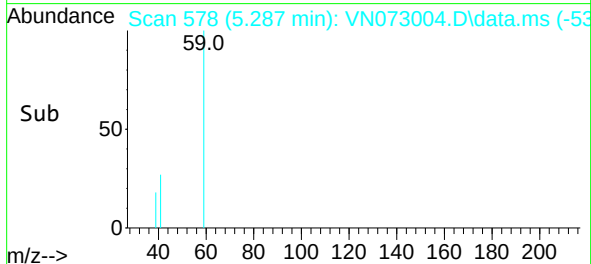
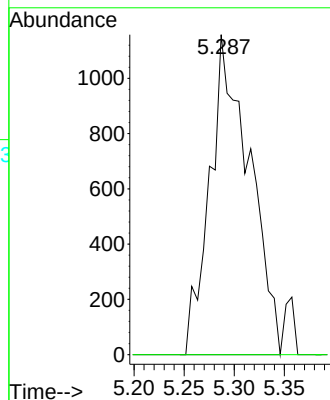
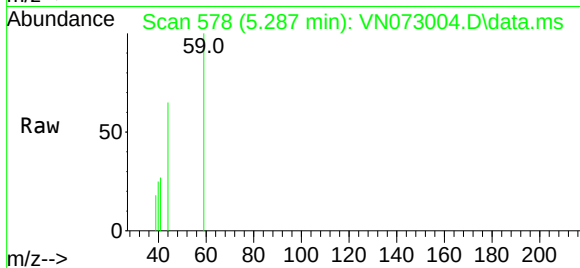
MW-27

Tgt Ion: 59 Resp: 3178

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 21.146 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.000 min

Lab File: VN073004.D

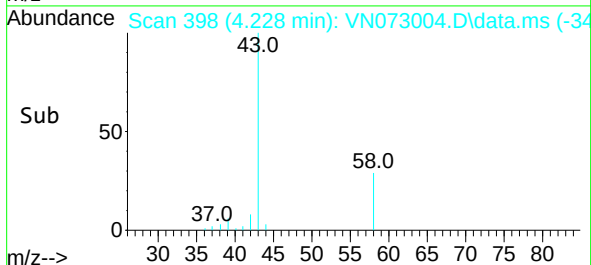
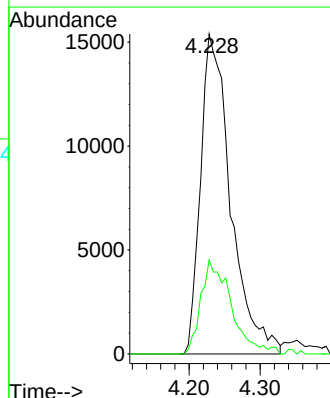
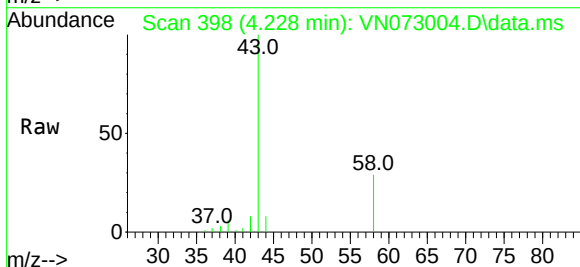
Acq: 22 Jun 2022 05:17

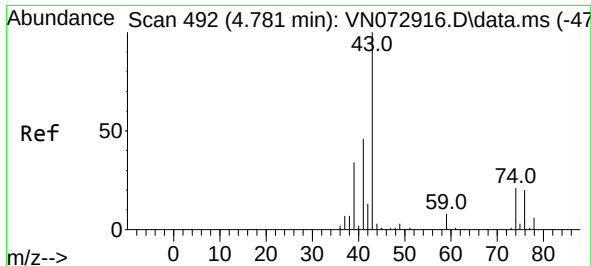
Tgt Ion: 43 Resp: 45405

Ion Ratio Lower Upper

43 100

58 29.4 26.0 39.0

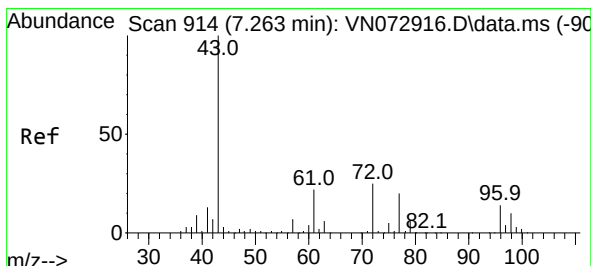
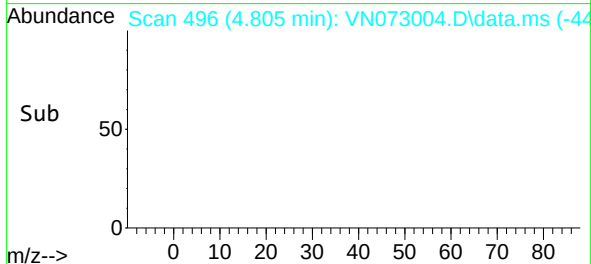
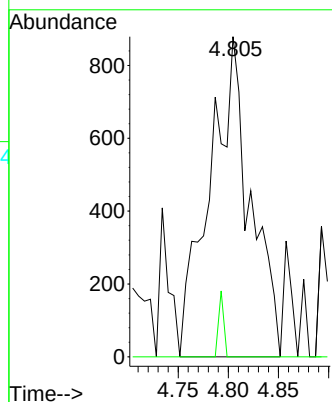
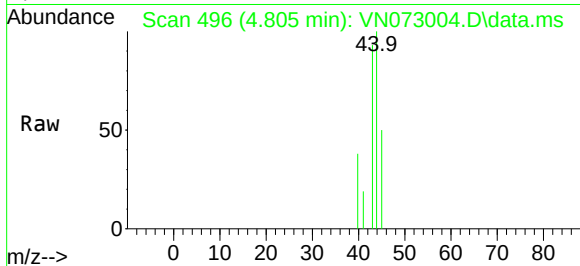




#18
Methyl Acetate
Concen: 0.432 ug/l
RT: 4.805 min Scan# 496
Delta R.T. 0.024 min
Lab File: VN073004.D
Acq: 22 Jun 2022 05:17

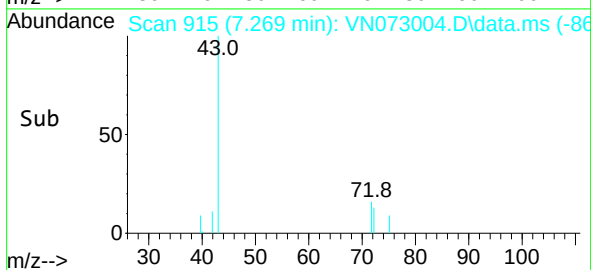
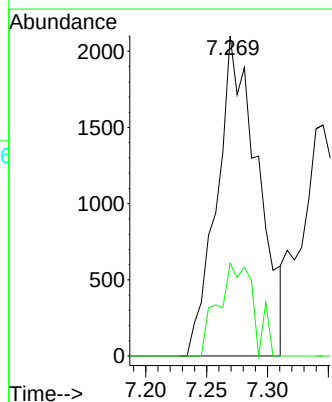
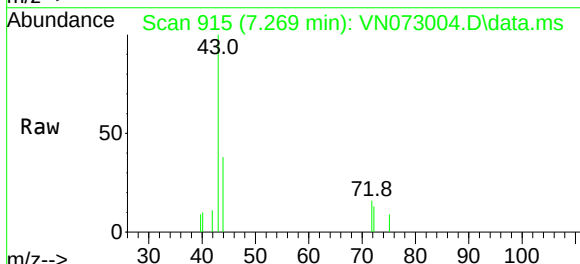
Instrument :
MSVOA_N
ClientSampleId :
MW-27

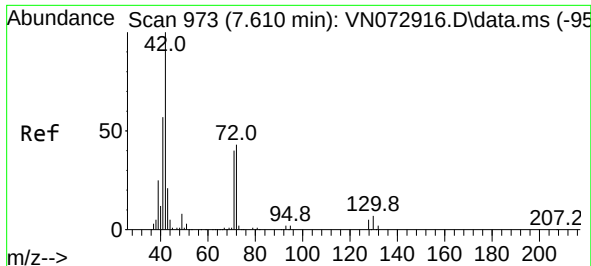
Tgt Ion: 43 Resp: 2470
Ion Ratio Lower Upper
43 100
74 2.6 21.6 32.4#



#25
2-Butanone
Concen: 1.444 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.006 min
Lab File: VN073004.D
Acq: 22 Jun 2022 05:17

Tgt Ion: 43 Resp: 4921
Ion Ratio Lower Upper
43 100
72 28.9 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.785 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN073004.D

Acq: 22 Jun 2022 05:17

Instrument :

MSVOA_N

ClientSampleId :

MW-27

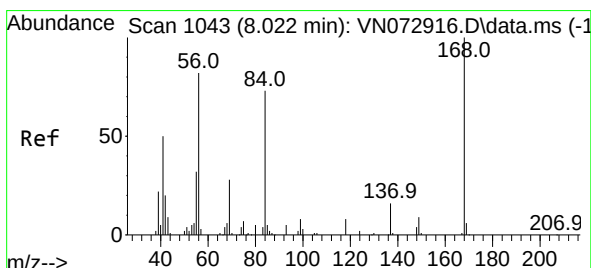
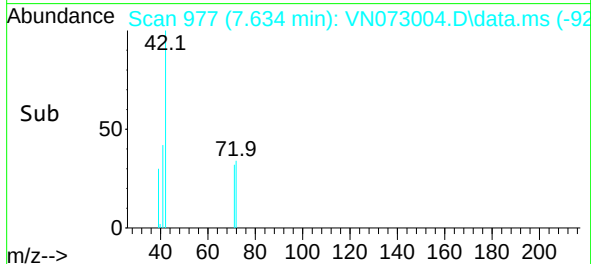
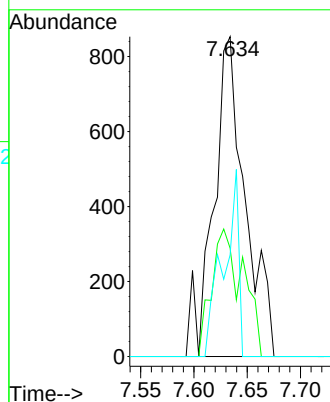
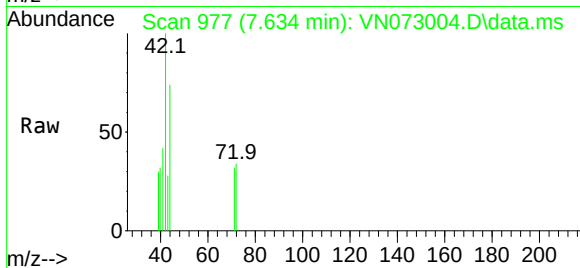
Tgt Ion: 42 Resp: 1766

Ion Ratio Lower Upper

42 100

72 39.5 39.7 59.5#

71 28.1 36.6 55.0#



#31

Cyclohexane

Concen: 1.250 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.005 min

Lab File: VN073004.D

Acq: 22 Jun 2022 05:17

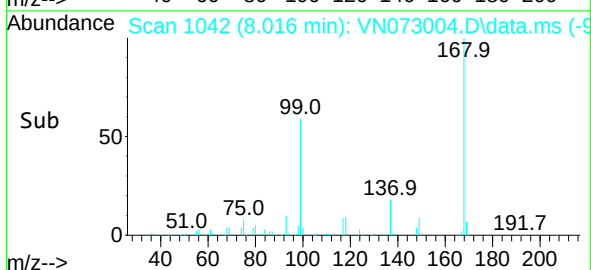
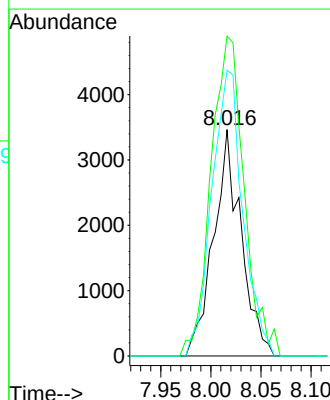
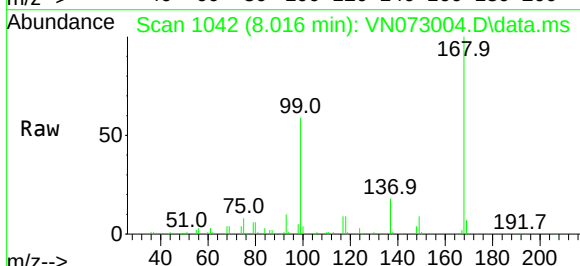
Tgt Ion: 56 Resp: 6605

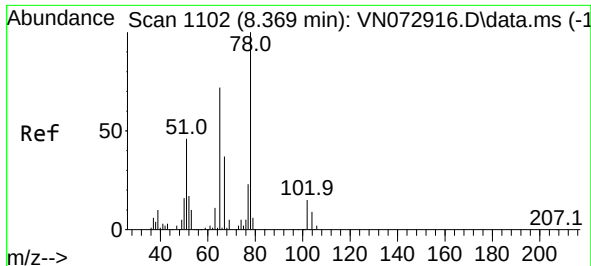
Ion Ratio Lower Upper

56 100

69 141.4 27.8 41.8#

84 126.3 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 44.293 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073004.D

Acq: 22 Jun 2022 05:17

Instrument :

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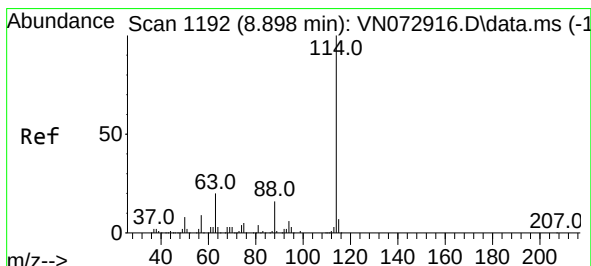
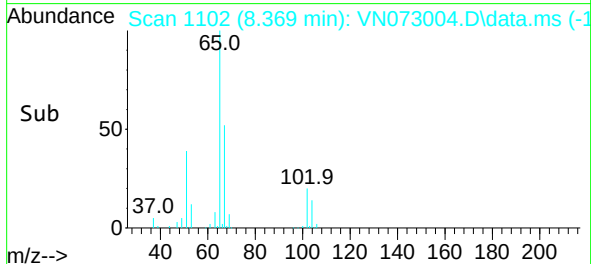
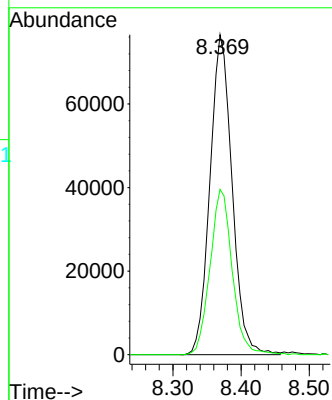
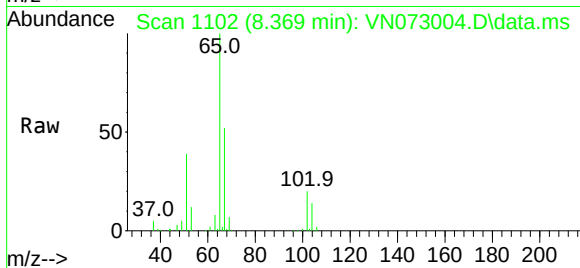
MW-27

Tgt Ion: 65 Resp: 173019

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN073004.D

Acq: 22 Jun 2022 05:17

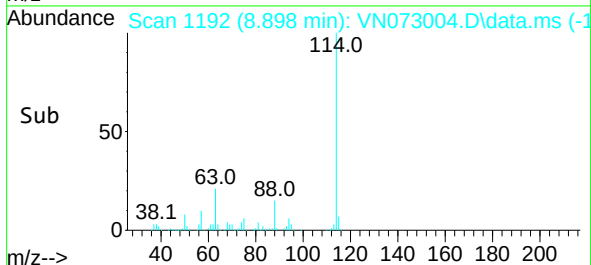
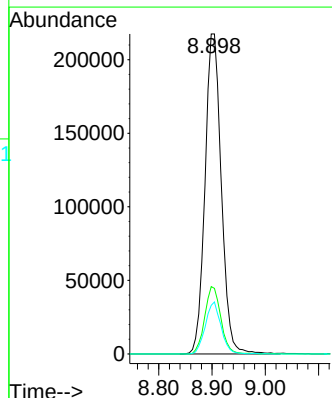
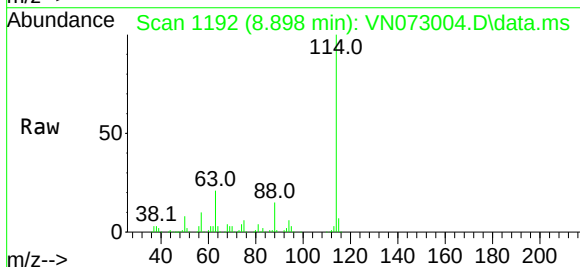
Tgt Ion: 114 Resp: 462947

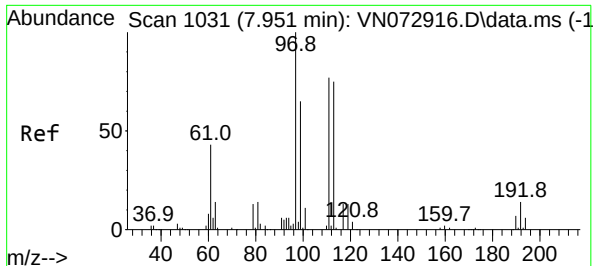
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.0

88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.140 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VN073004.D

Acq: 22 Jun 2022 05:17

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MW-27

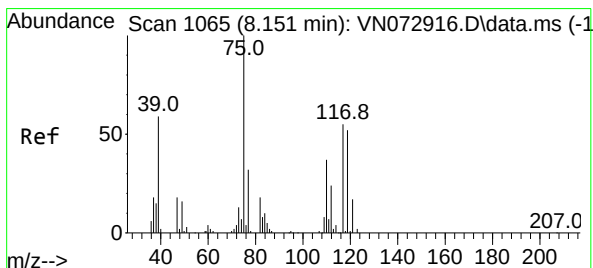
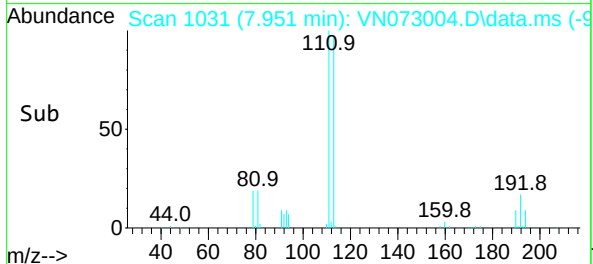
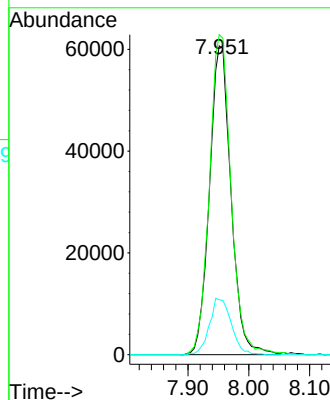
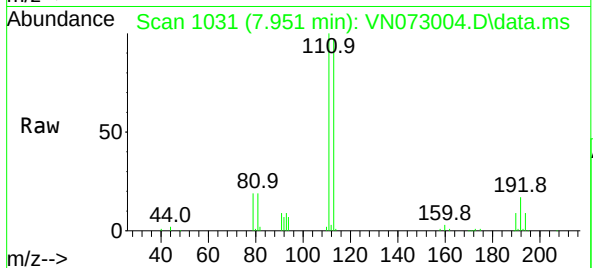
Tgt Ion:113 Resp: 149196

Ion Ratio Lower Upper

113 100

111 104.4 81.4 122.0

192 18.4 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.819 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073004.D

Acq: 22 Jun 2022 05:17

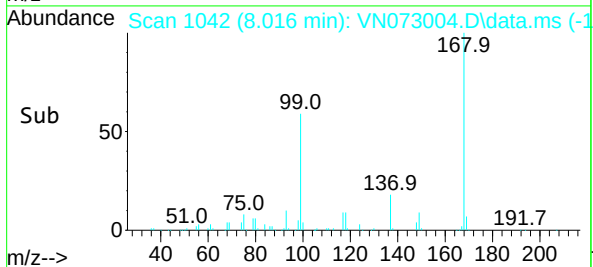
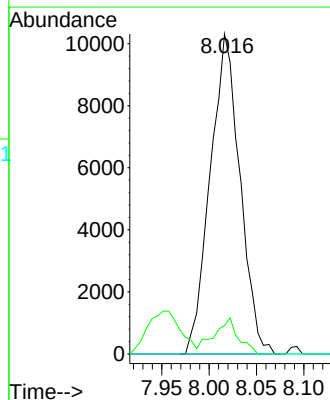
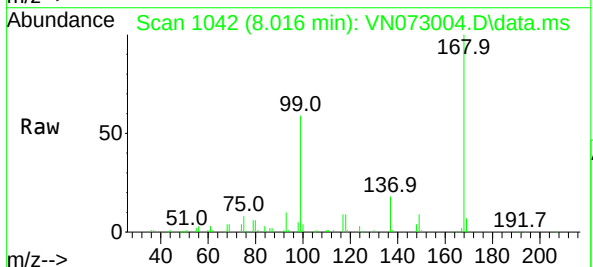
Tgt Ion: 75 Resp: 22532

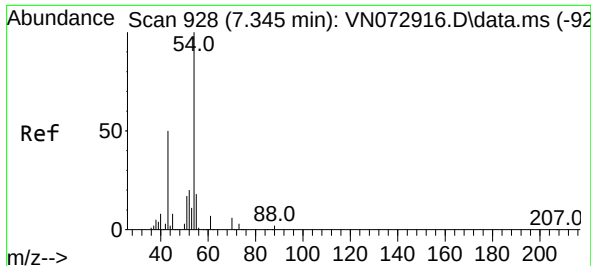
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.573 ug/l

RT: 7.346 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN073004.D

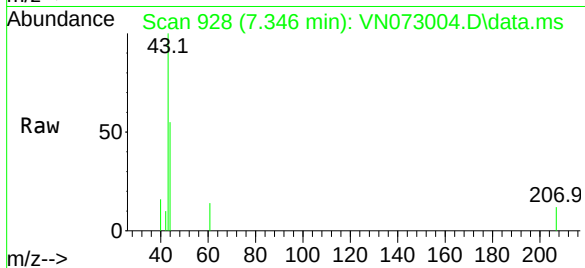
Acq: 22 Jun 2022 05:17

Instrument :

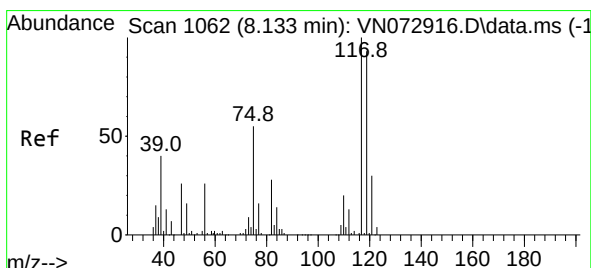
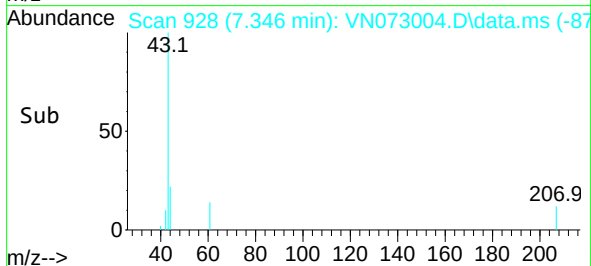
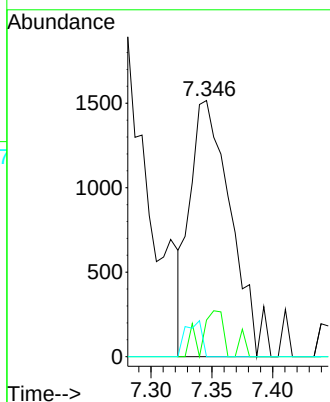
MSVOA_N

ClientSampleId :

MW-27



Tgt Ion:	43	Resp:	3549
Ion	Ratio	Lower	Upper
43	100		
61	9.4	11.8	17.6#
70	5.6	9.3	13.9#



#38

Carbon Tetrachloride

Concen: 7.066 ug/l

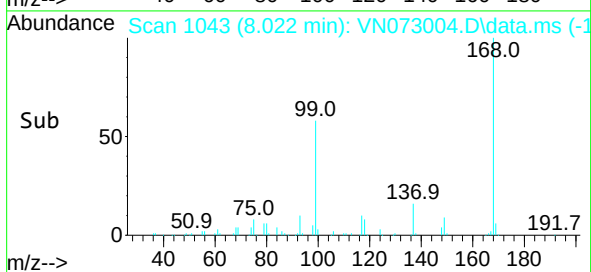
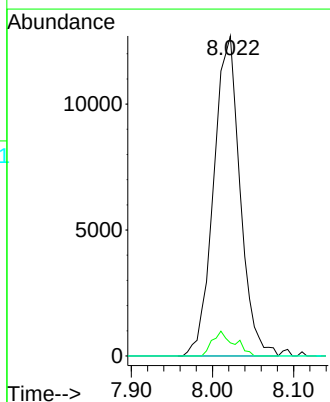
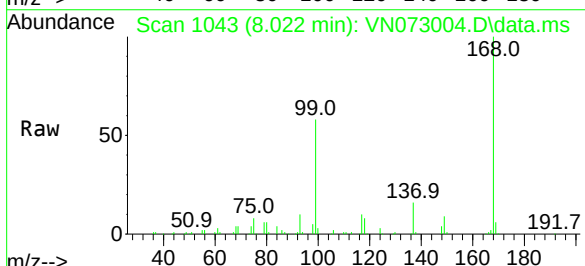
RT: 8.022 min Scan# 1043

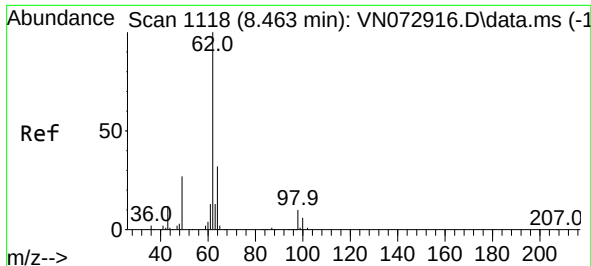
Delta R.T. -0.111 min

Lab File: VN073004.D

Acq: 22 Jun 2022 05:17

Tgt Ion:	117	Resp:	28778
Ion	Ratio	Lower	Upper
117	100		
119	4.1	75.8	113.8#
121	0.0	24.6	37.0#





#42

1,2-Dichloroethane

Concen: 0.217 ug/l

RT: 8.469 min Scan# 1118

Delta R.T. 0.006 min

Lab File: VN073004.D

Acq: 22 Jun 2022 05:17

Instrument :

MSVOA_N

ClientSampleId :

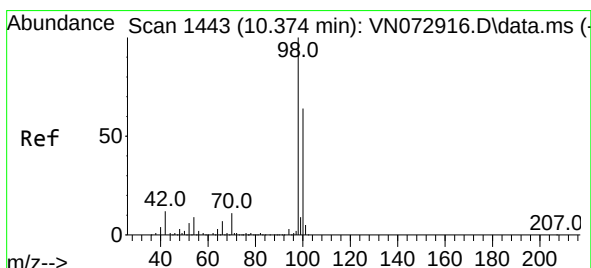
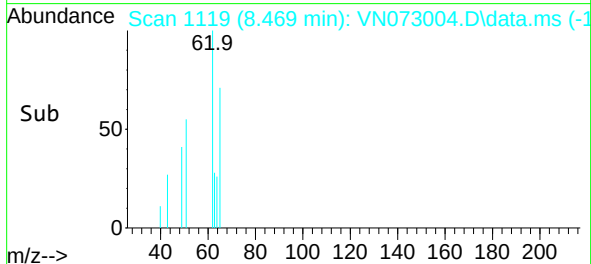
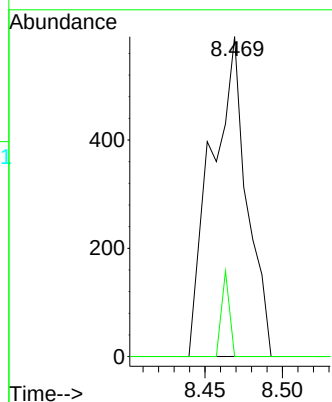
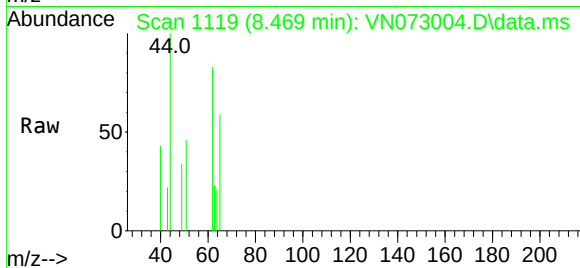
MW-27

Tgt Ion: 62 Resp: 937

Ion Ratio Lower Upper

62 100

98 6.0 0.0 19.4



#50

Toluene-d8

Concen: 44.605 ug/l

RT: 10.375 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN073004.D

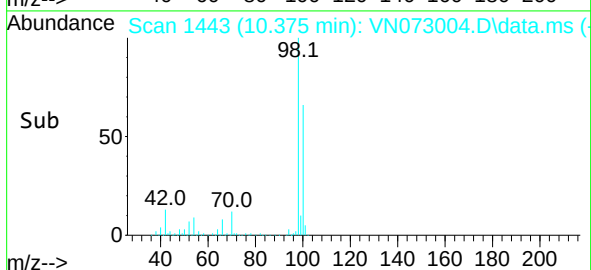
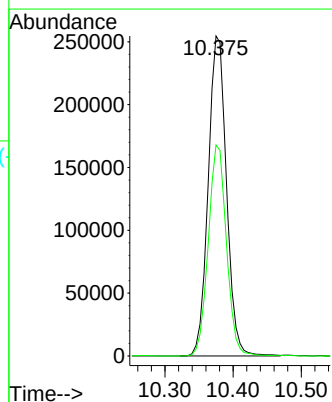
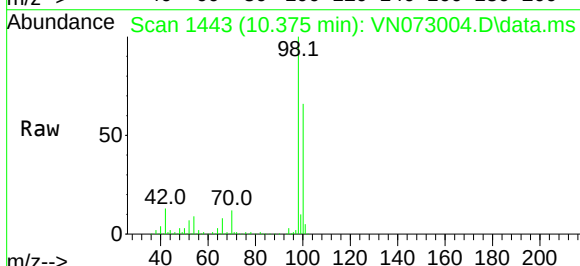
Acq: 22 Jun 2022 05:17

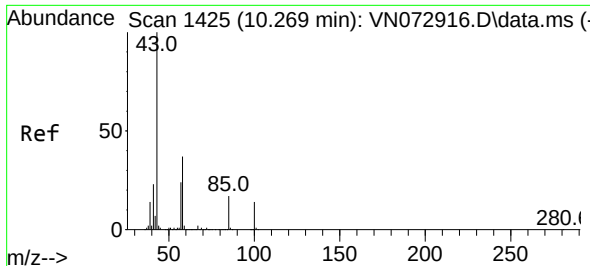
Tgt Ion: 98 Resp: 474924

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8

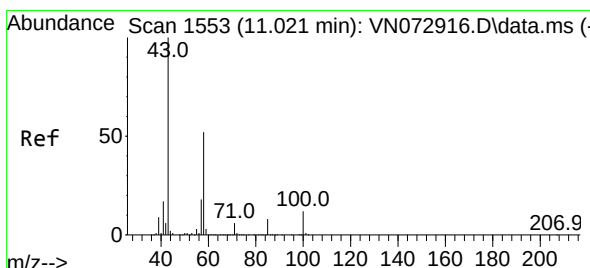
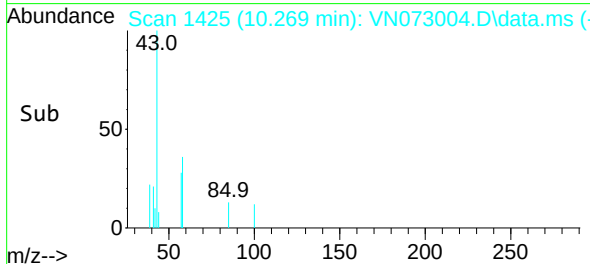
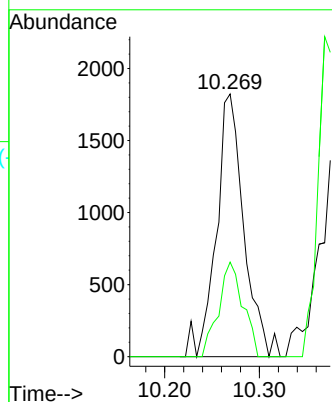
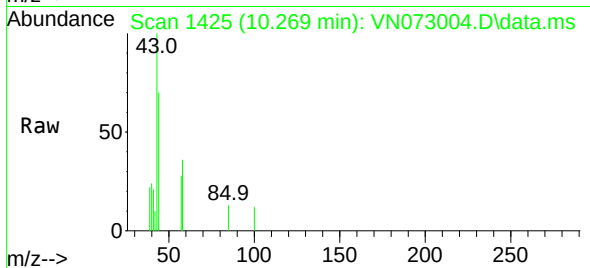




#51
4-Methyl-2-Pentanone
Concen: 0.636 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073004.D
Acq: 22 Jun 2022 05:17

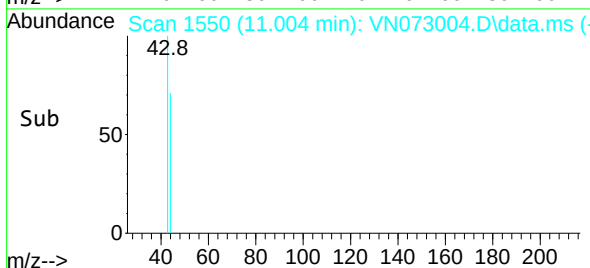
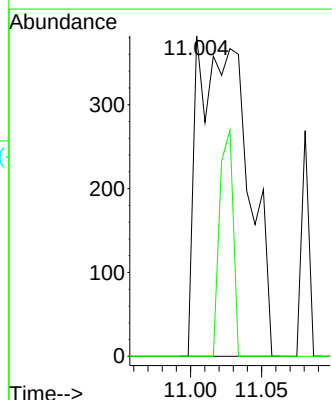
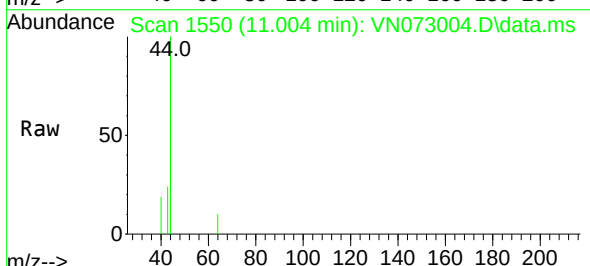
Instrument :
MSVOA_N
ClientSampleId :
MW-27

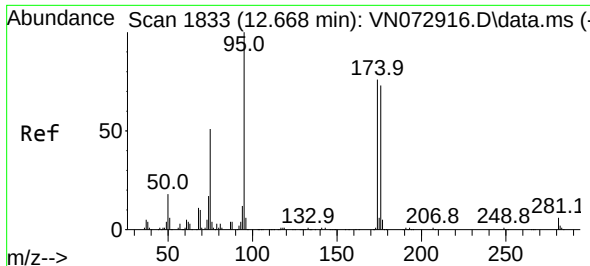
Tgt Ion: 43 Resp: 3673
Ion Ratio Lower Upper
43 100
58 32.0 34.1 51.1#



#59
2-Hexanone
Concen: 0.208 ug/l
RT: 11.004 min Scan# 1550
Delta R.T. -0.017 min
Lab File: VN073004.D
Acq: 22 Jun 2022 05:17

Tgt Ion: 43 Resp: 930
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#

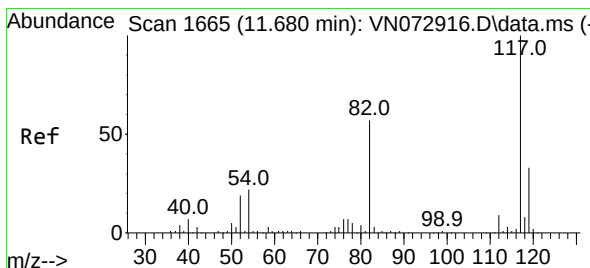
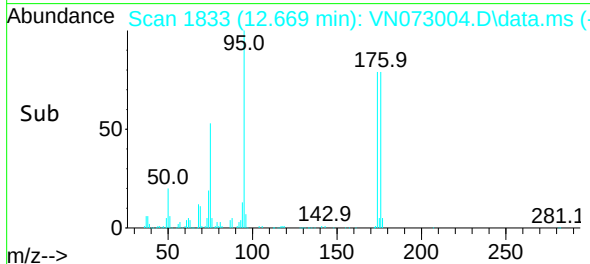
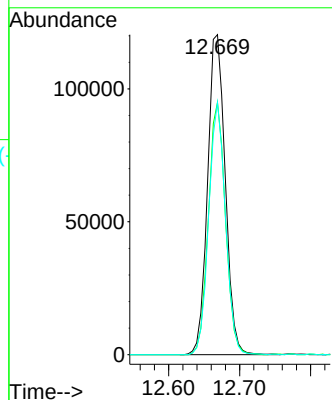
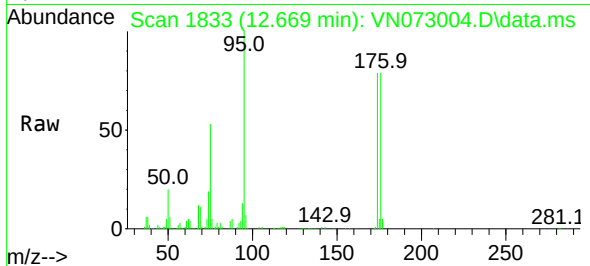




#62
4-Bromofluorobenzene
Concen: 54.366 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073004.D
Acq: 22 Jun 2022 05:17

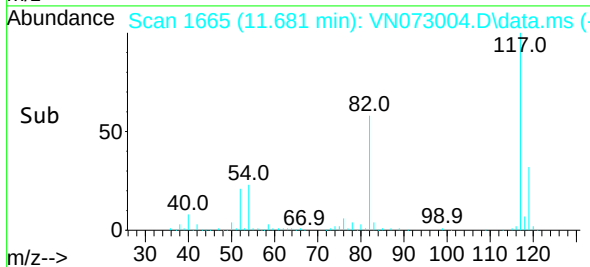
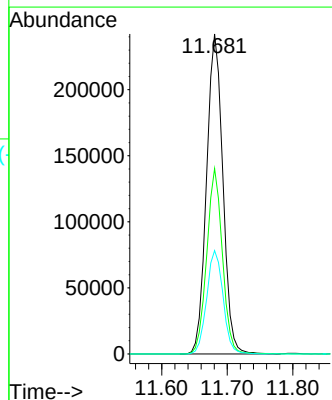
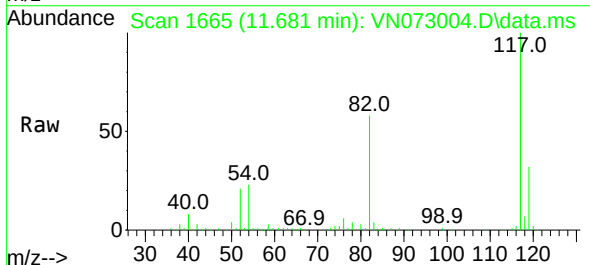
Instrument :
MSVOA_N
ClientSampleId :
MW-27

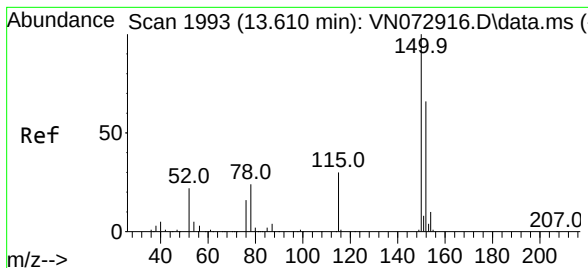
Tgt Ion: 95 Resp: 208151
Ion Ratio Lower Upper
95 100
174 76.1 0.0 167.6
176 74.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.681 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073004.D
Acq: 22 Jun 2022 05:17

Tgt Ion: 117 Resp: 419404
Ion Ratio Lower Upper
117 100
82 58.0 44.2 66.2
119 32.3 25.4 38.0

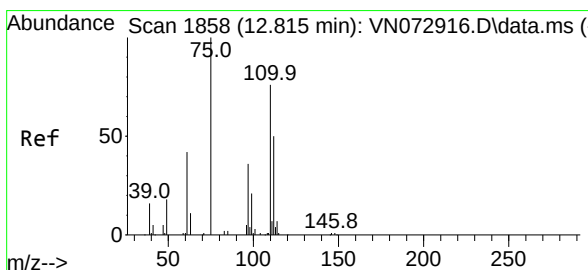
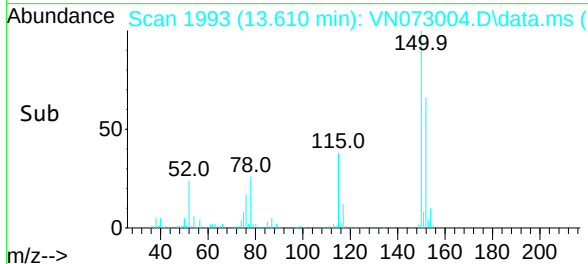
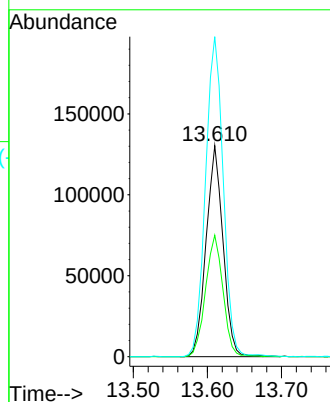
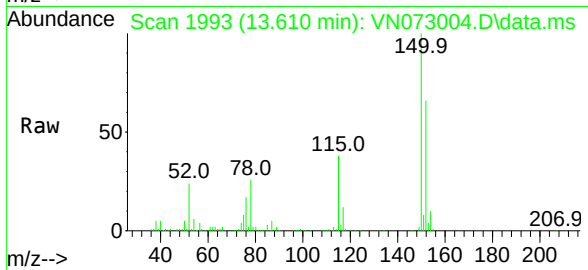




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. 0.000 min
 Lab File: VN073004.D
 Acq: 22 Jun 2022 05:17

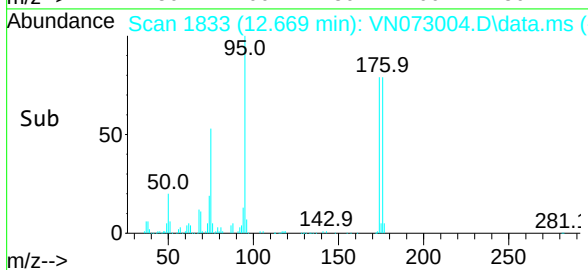
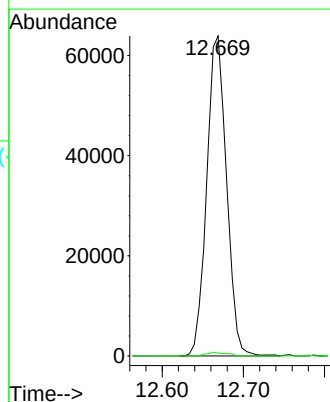
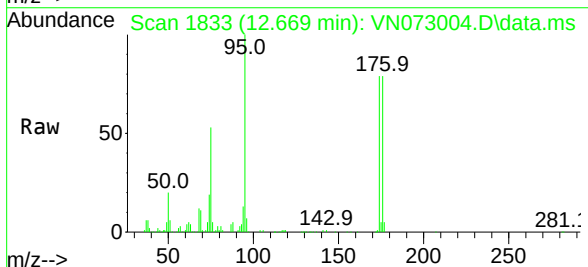
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27

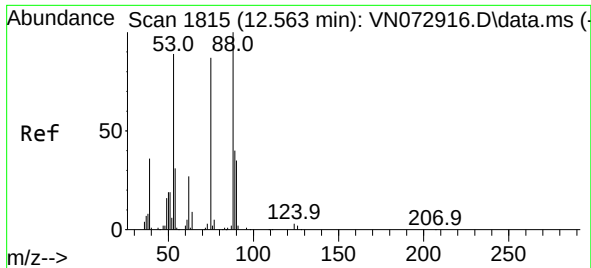
Tgt Ion:152 Resp: 207190
 Ion Ratio Lower Upper
 152 100
 115 59.3 28.9 86.7
 150 159.1 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.563 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073004.D
 Acq: 22 Jun 2022 05:17

Tgt Ion: 75 Resp: 108316
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.233 ug/l
 RT: 12.669 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073004.D
 Acq: 22 Jun 2022 05:17

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27

Tgt Ion: 75 Resp: 108316
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

