

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061822\
 Data File : VN072939.D
 Acq On : 18 Jun 2022 14:56
 Operator : JC\MD
 Sample : N3304-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-10-G

Quant Time: Jun 20 08:04:52 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)

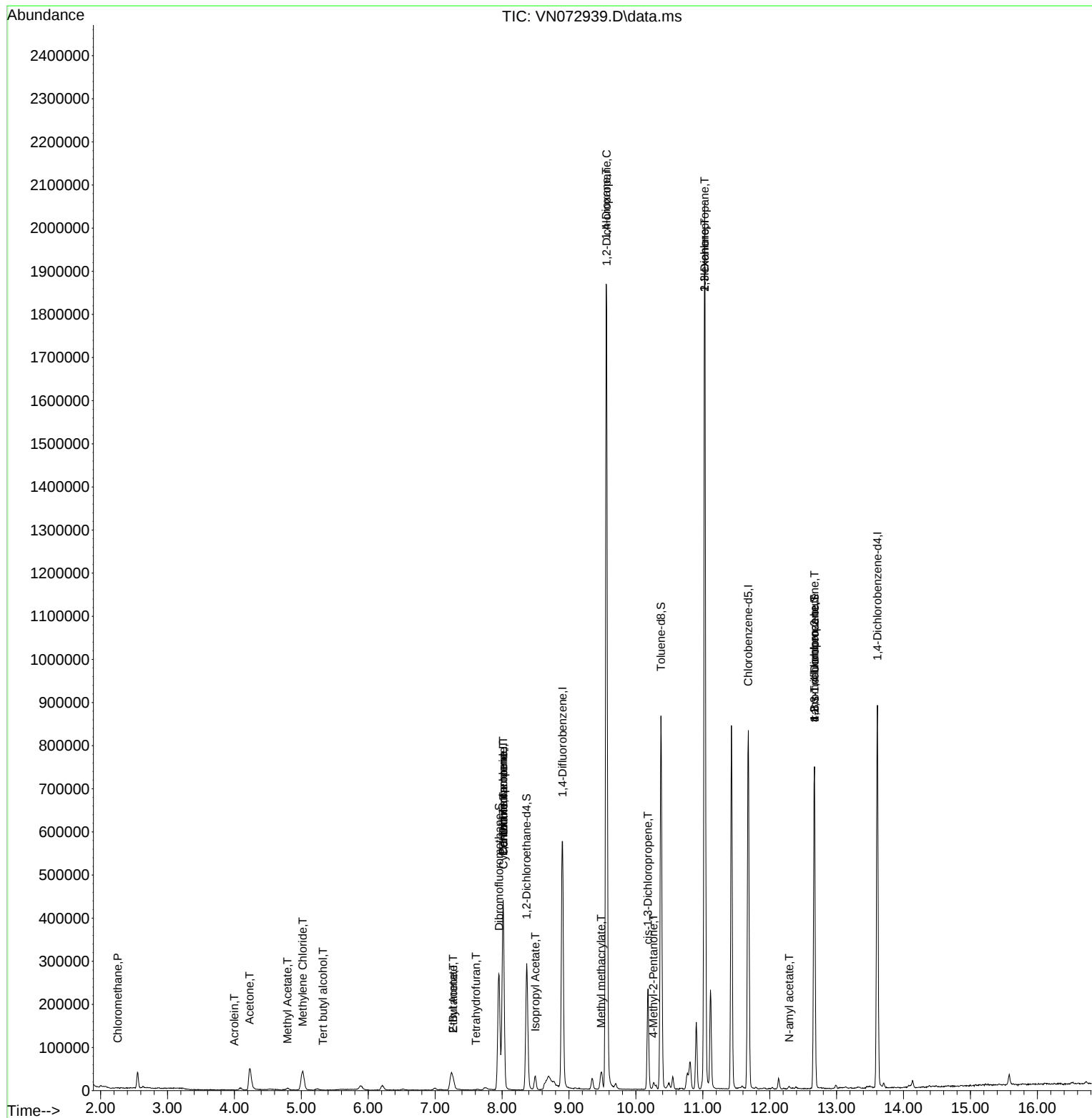
Internal Standards						
1) Pentafluorobenzene	8.016	168	332276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	537161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	488662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	242091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	241400	53.737	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.480%			
35) Dibromofluoromethane	7.957	113	202885	61.107	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 122.220%			
50) Toluene-d8	10.375	98	596392	48.274	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.540%			
62) 4-Bromofluorobenzene	12.669	95	256680	57.779	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.560%			
Target Compounds						Qvalue
3) Chloromethane	2.257	50	318	0.662	ug/l #	43
11) Tert butyl alcohol	5.322	59	329	0.284	ug/l #	72
13) Acrolein	3.998	56	227	0.497	ug/l #	78
16) Acetone	4.228	43	94983	38.464	ug/l	92
18) Methyl Acetate	4.793	43	9409	1.431	ug/l #	86
20) Methylene Chloride	5.022	84	36090	9.225	ug/l	93
25) 2-Butanone	7.269	43	35085	8.954	ug/l	92
26) 2,2-Dichloropropane	7.234	77	2797	Below Cal	#	53
29) Tetrahydrofuran	7.610	42	605	0.234	ug/l #	82
31) Cyclohexane	8.022	56	7548	1.242	ug/l #	9
36) 1,1-Dichloropropene	8.016	75	26278	5.849	ug/l #	48
37) Ethyl Acetate	7.269	43	35085	4.882	ug/l #	67
38) Carbon Tetrachloride	8.016	117	33610	7.112	ug/l #	16
43) Isopropyl Acetate	8.498	43	37388	3.640	ug/l #	88
45) 1,2-Dichloropropane	9.563	63	2550	0.707	ug/l #	44
48) Methyl methacrylate	9.480	41	13023	2.777	ug/l #	22
49) 1,4-Dioxane	9.557	88	93	0.881	ug/l #	1
51) 4-Methyl-2-Pentanone	10.263	43	12117	1.809	ug/l	89
54) cis-1,3-Dichloropropene	10.180	75	42291	7.423	ug/l #	64
57) 1,3-Dichloropropane	11.027	76	21525	3.409	ug/l #	42
59) 2-Hexanone	11.027	43	329016	63.507	ug/l #	44
74) N-amyl acetate	12.292	43	4254	0.438	ug/l #	42
76) 1,2,3-Trichloropropane	12.669	75	130120	22.169	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	130120	59.870	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.545	75	57	Below Cal	#	1

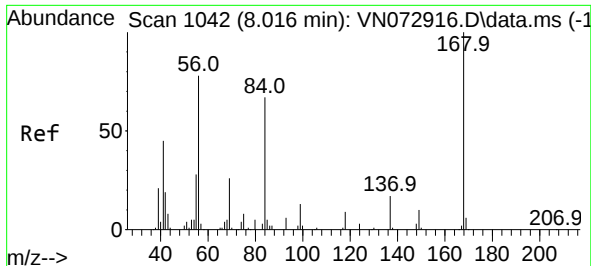
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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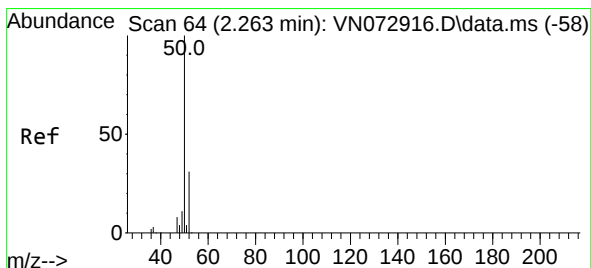
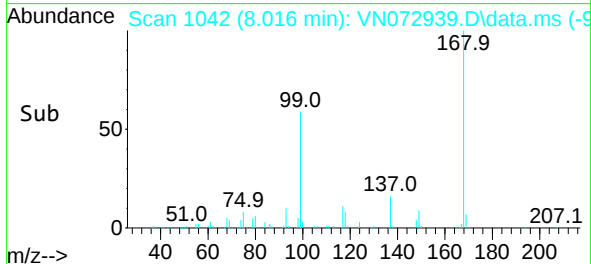
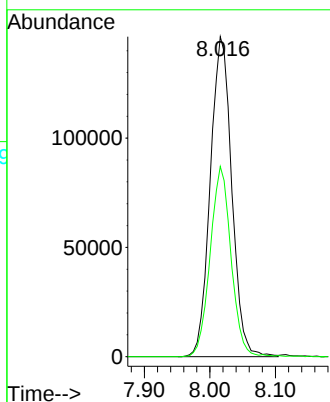
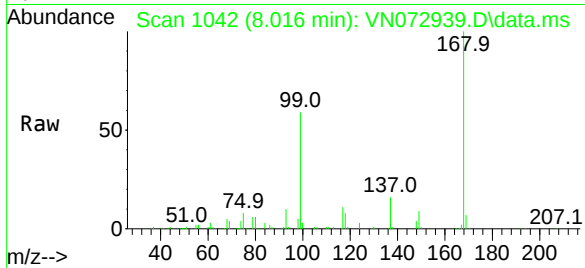




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

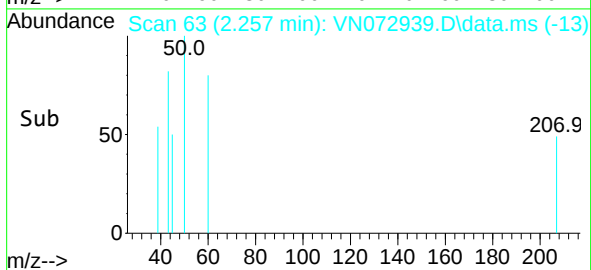
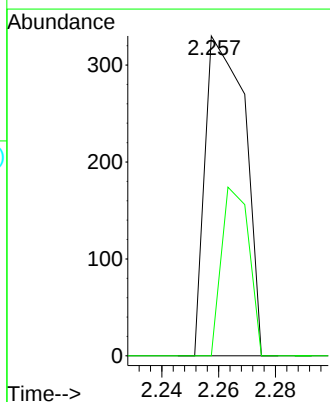
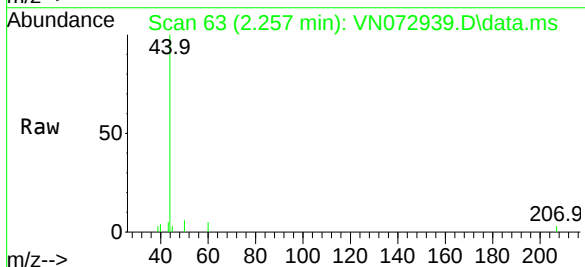
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

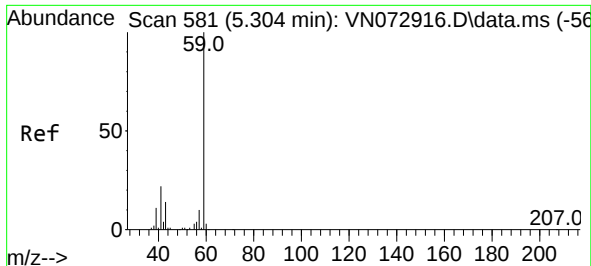
Tgt Ion:168 Resp: 332276
Ion Ratio Lower Upper
168 100
99 59.5 42.3 63.5



#3
Chloromethane
Concen: 0.662 ug/l
RT: 2.257 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

Tgt Ion: 50 Resp: 318
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#11

Tert butyl alcohol

Concen: 0.284 ug/l

RT: 5.322 min Scan# 51

Delta R.T. 0.018 min

Lab File: VN072939.D

Acq: 18 Jun 2022 14:56

Instrument :

MSVOA_N

ClientSampleId :

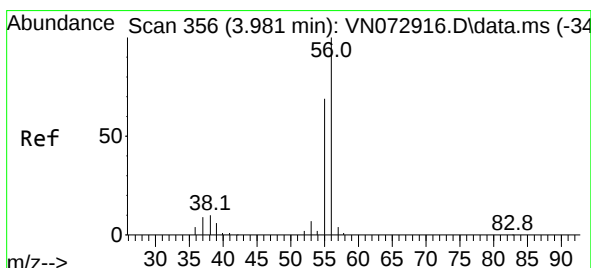
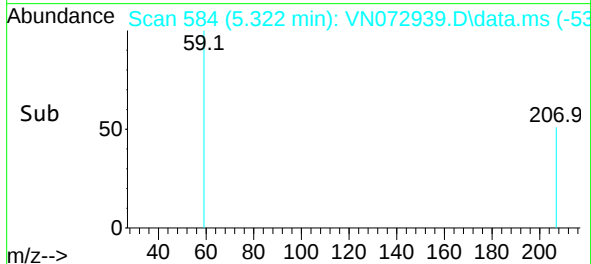
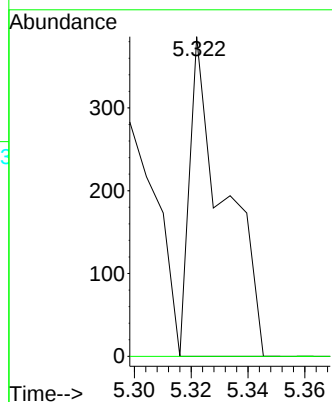
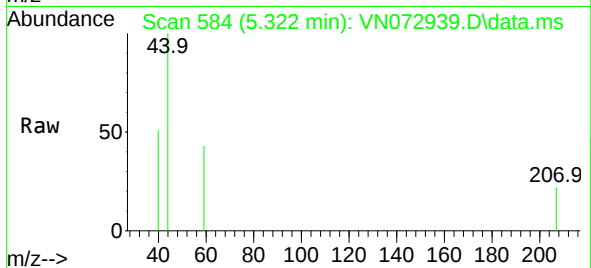
WC-14A-1A-10-G

Tgt Ion: 59 Resp: 329

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.497 ug/l

RT: 3.998 min Scan# 359

Delta R.T. 0.018 min

Lab File: VN072939.D

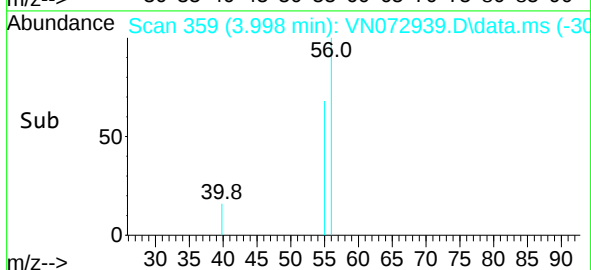
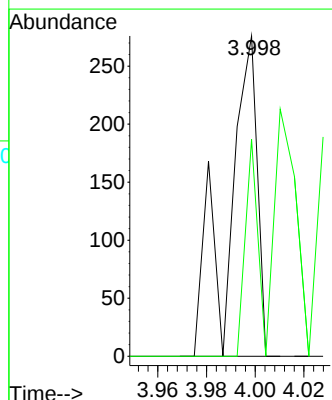
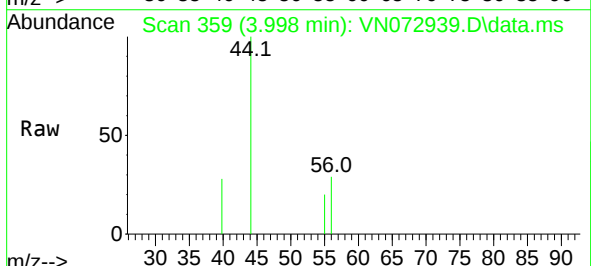
Acq: 18 Jun 2022 14:56

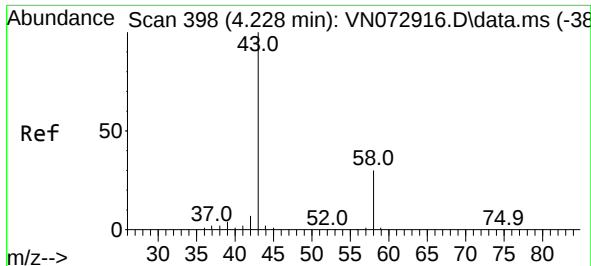
Tgt Ion: 56 Resp: 227

Ion Ratio Lower Upper

56 100

55 86.3 54.8 82.2#

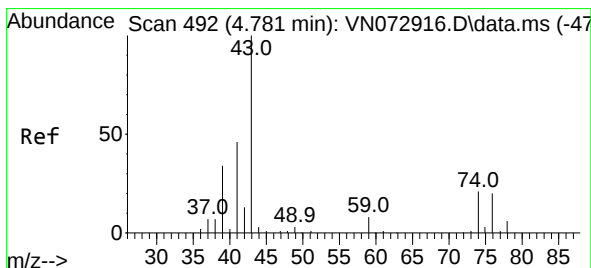
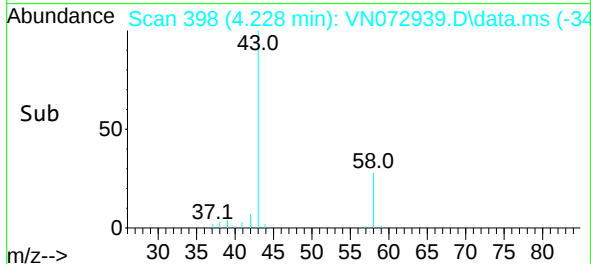
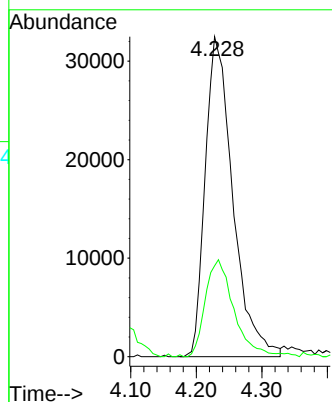
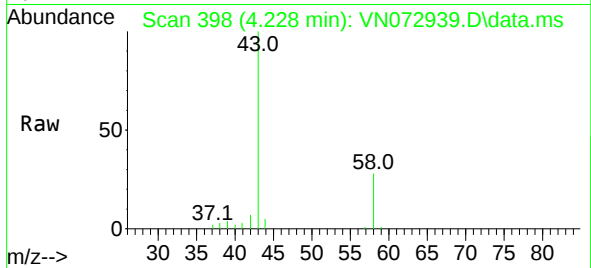




#16
Acetone
Concen: 38.464 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.000 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

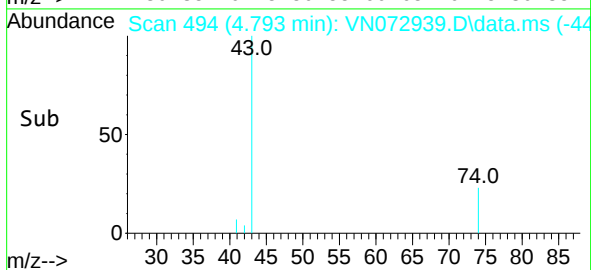
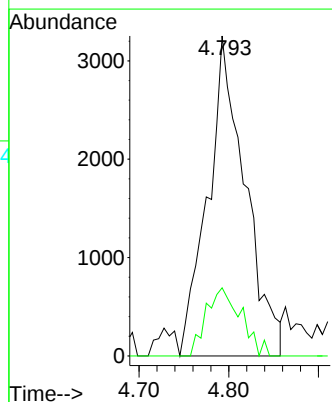
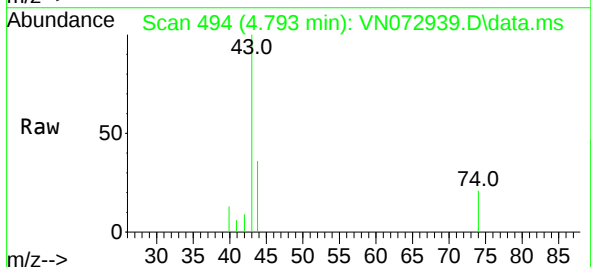
Instrument :
MSVOA_N
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WC-14A-1A-10-G

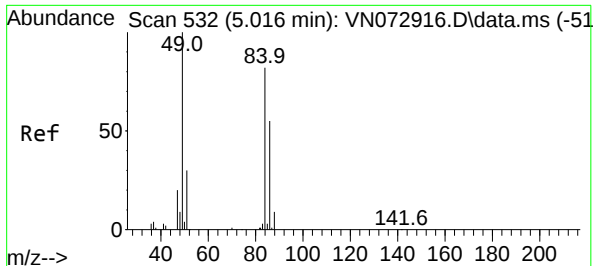
Tgt Ion: 43 Resp: 94983
Ion Ratio Lower Upper
43 100
58 27.8 26.0 39.0



#18
Methyl Acetate
Concen: 1.431 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

Tgt Ion: 43 Resp: 9409
Ion Ratio Lower Upper
43 100
74 19.8 21.6 32.4#



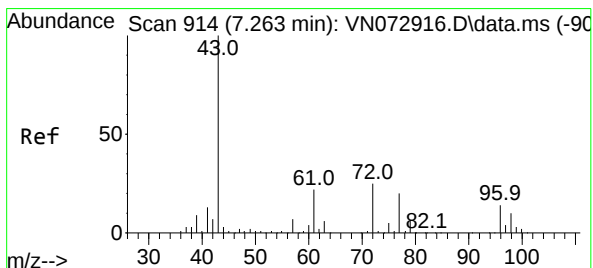
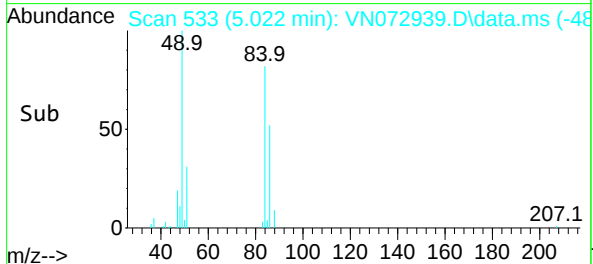
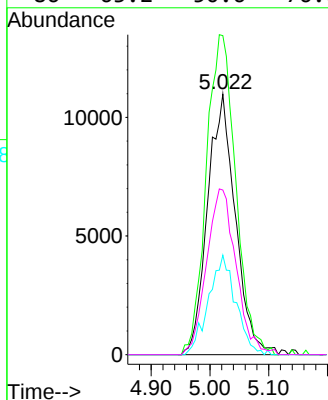
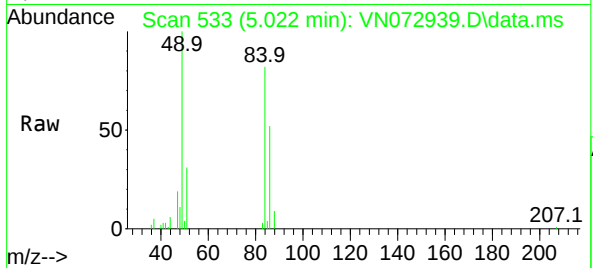


#20
Methylene Chloride
Concen: 9.225 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

Tgt Ion: 84 Resp: 36090

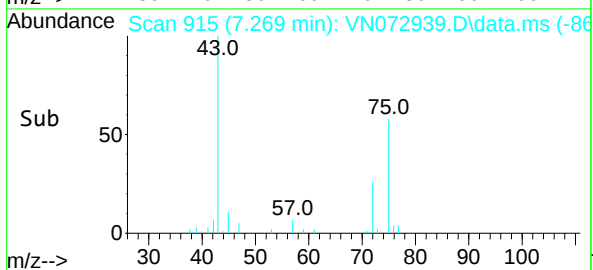
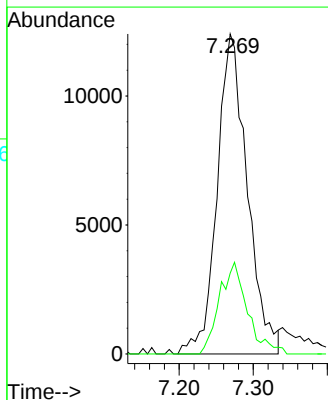
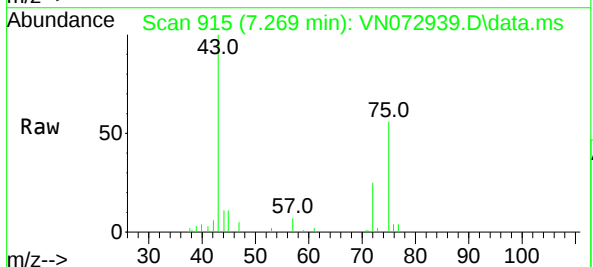
Ion	Ratio	Lower	Upper
84	100		
49	122.4	88.3	132.5
51	38.2	28.2	42.2
86	63.2	50.6	76.0

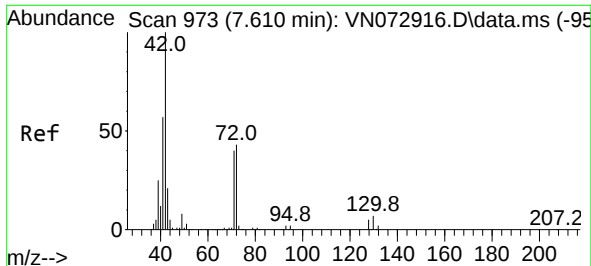


#25
2-Butanone
Concen: 8.954 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.006 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

Tgt Ion: 43 Resp: 35085

Ion	Ratio	Lower	Upper
43	100		
72	25.3	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.234 ug/l

RT: 7.610 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN072939.D

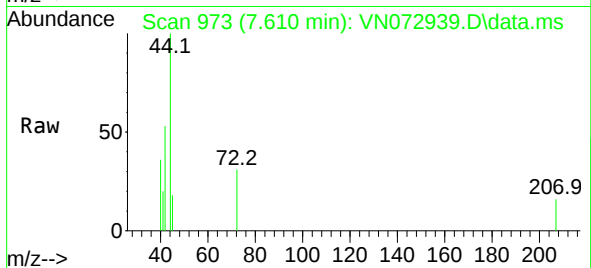
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Instrument :

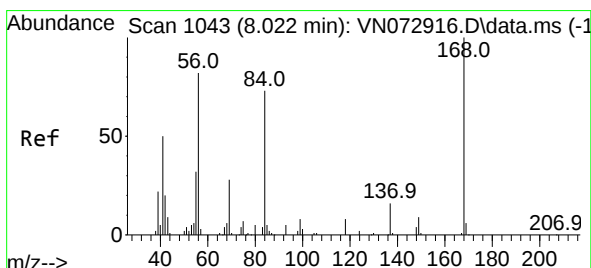
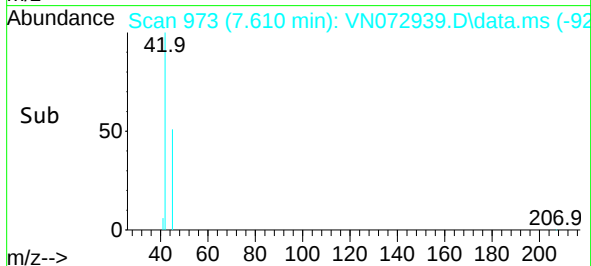
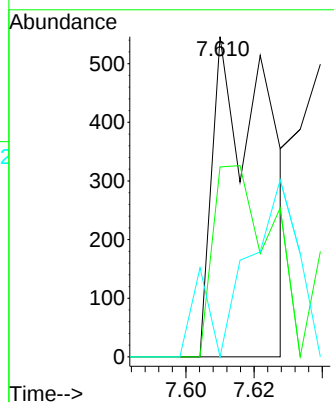
MSVOA_N

ClientSampleId :

WC-14A-1A-10-G



Tgt Ion:	42	Resp:	605
Ion Ratio	Lower	Upper	
42	100		
72	63.0	39.7	59.5#
71	56.9	36.6	55.0#



#31

Cyclohexane

Concen: 1.242 ug/l

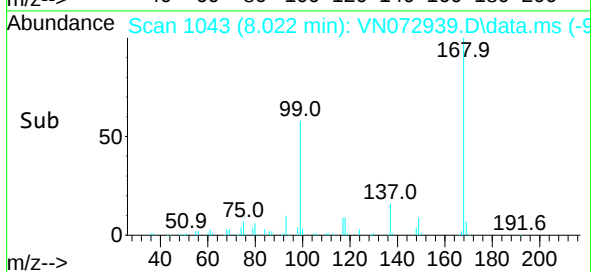
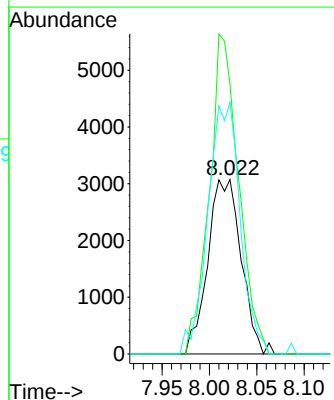
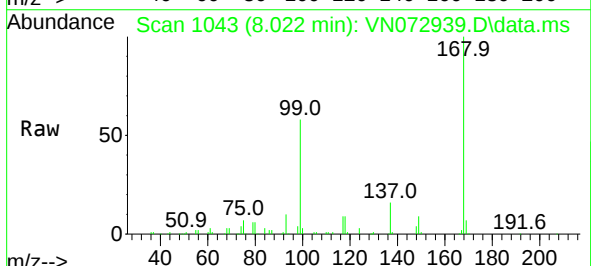
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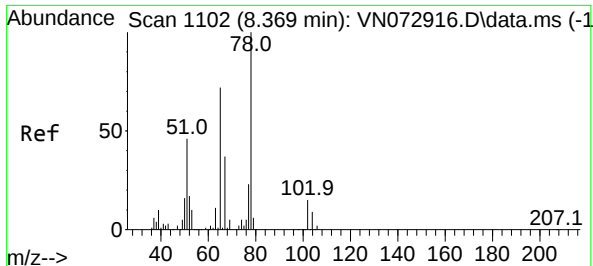
Delta R.T. 0.000 min

Lab File: VN072939.D

Acq: 18 Jun 2022 14:56

Tgt Ion:	56	Resp:	7548
Ion Ratio	Lower	Upper	
56	100		
69	154.8	27.8	41.8#
84	144.1	76.9	115.3#

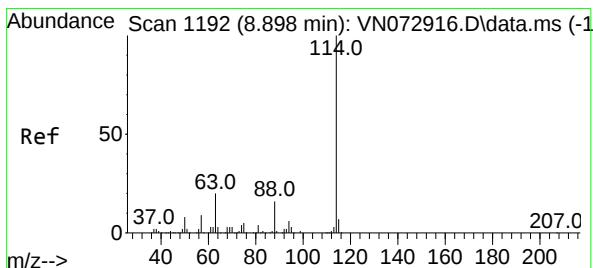
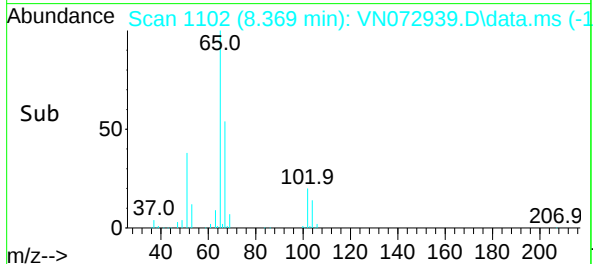
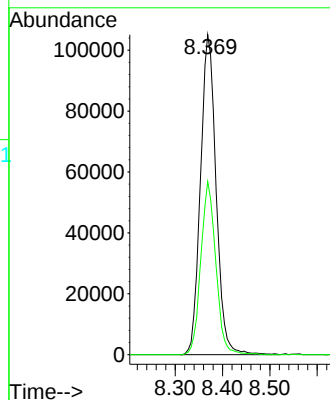
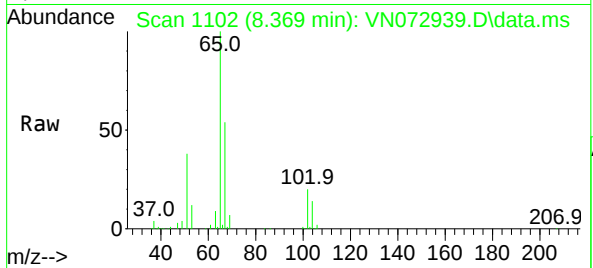




#33
1,2-Dichloroethane-d4
Concen: 53.737 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

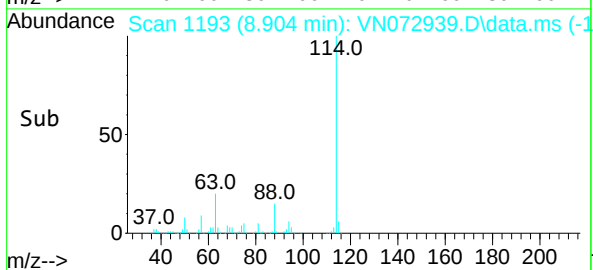
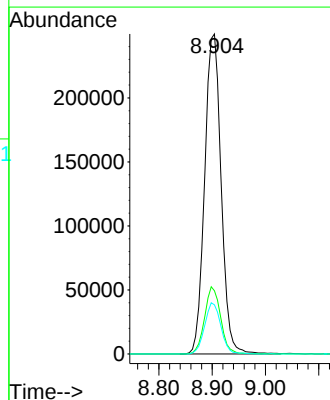
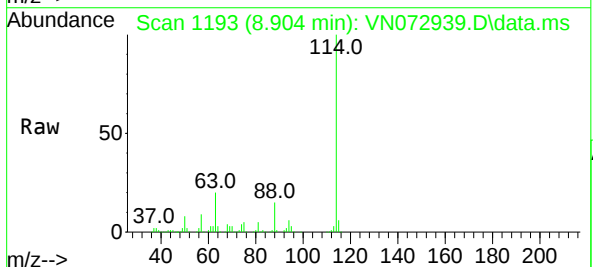
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

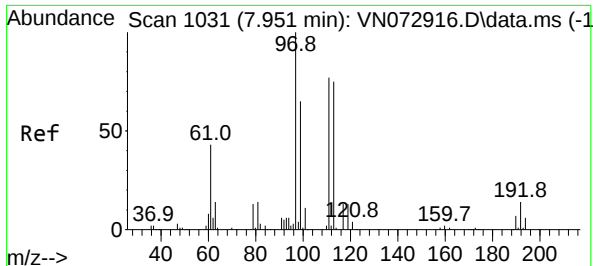
Tgt Ion: 65 Resp: 241400
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

Tgt Ion: 114 Resp: 537161
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.0
88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 61.107 ug/l

RT: 7.957 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VN072939.D

Acq: 18 Jun 2022 14:56

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-10-G

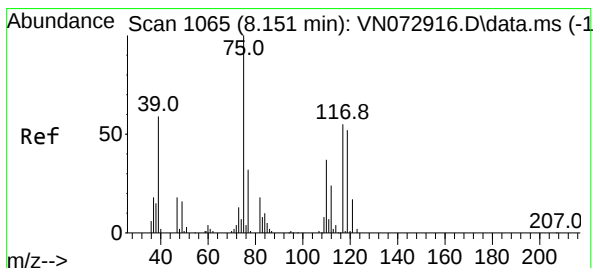
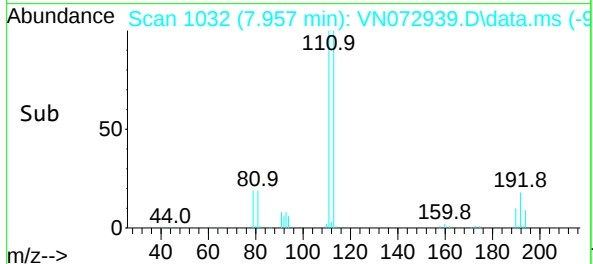
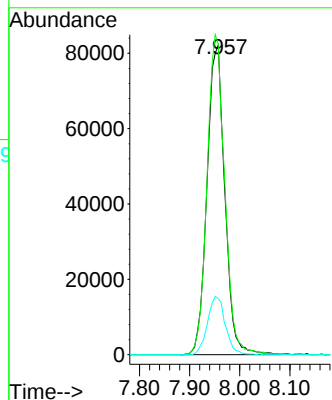
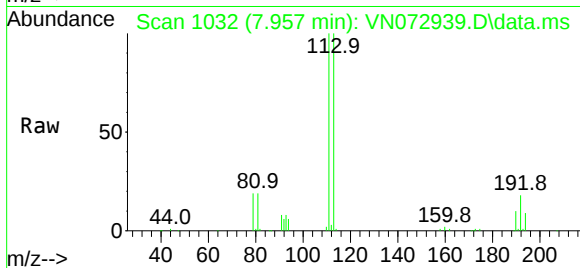
Tgt Ion:113 Resp: 202885

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

192 18.8 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.849 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN072939.D

Acq: 18 Jun 2022 14:56

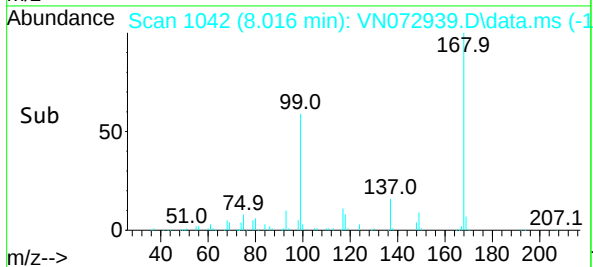
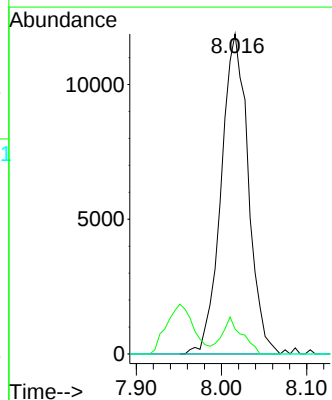
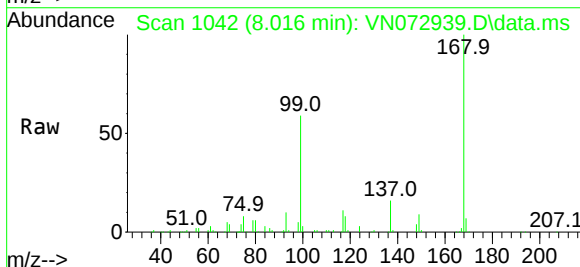
Tgt Ion: 75 Resp: 26278

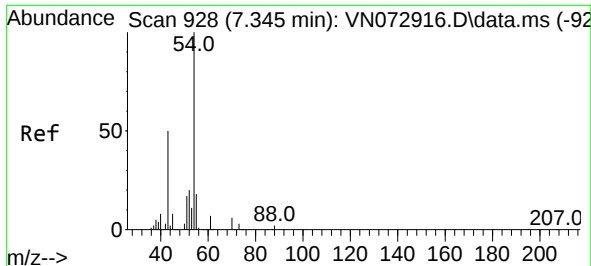
Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#

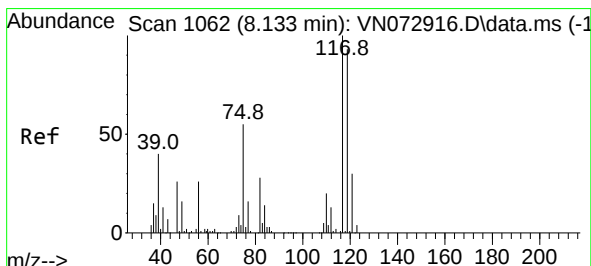
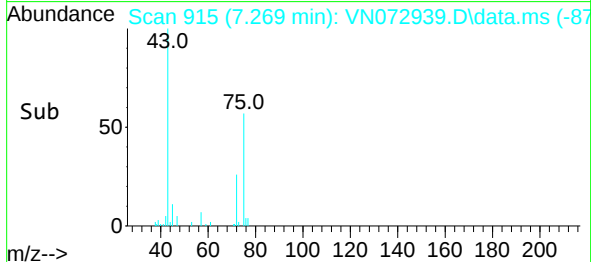
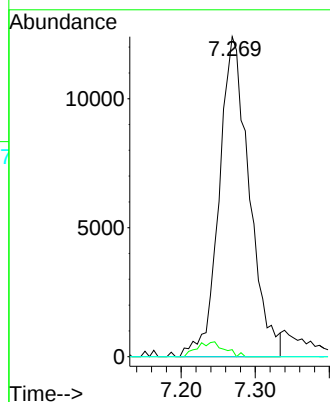
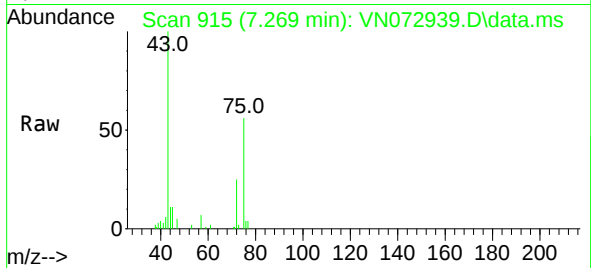




#37
Ethyl Acetate
Concen: 4.882 ug/l
RT: 7.269 min Scan# 915
Delta R.T. -0.076 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

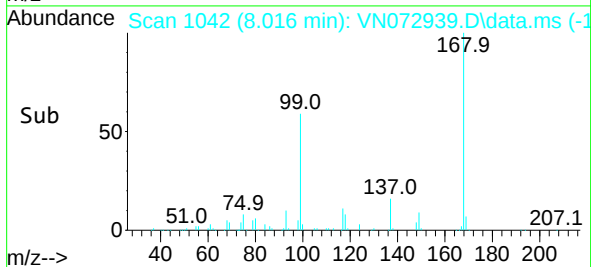
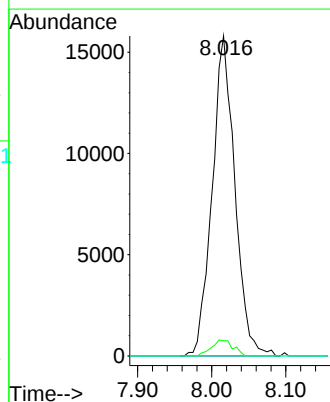
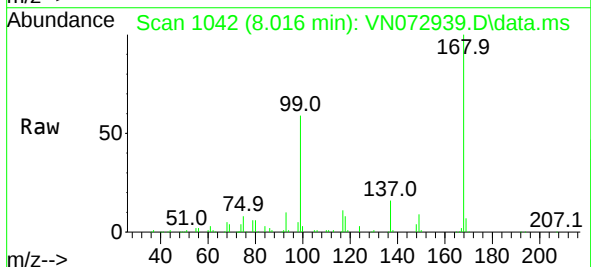
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

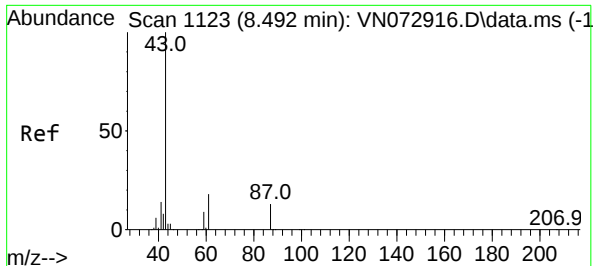
Tgt Ion: 43 Resp: 35085
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 7.112 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

Tgt Ion: 117 Resp: 33610
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#

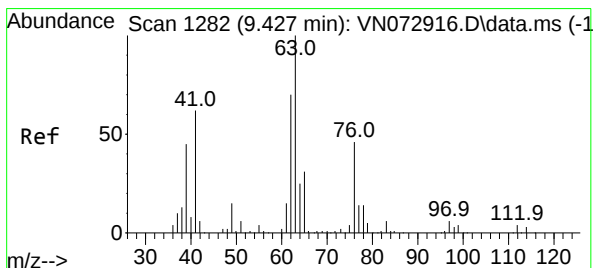
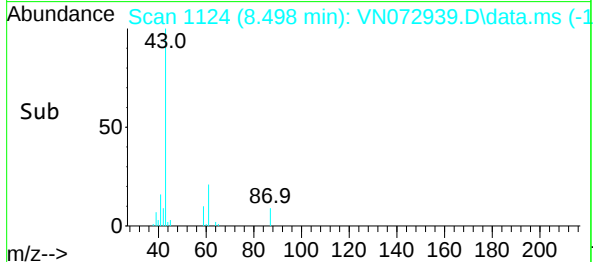
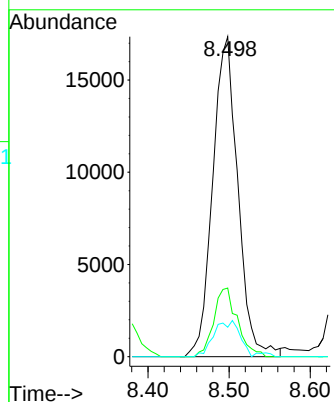
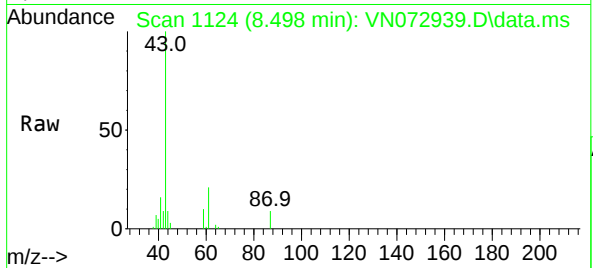




#43
Isopropyl Acetate
Concen: 3.640 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

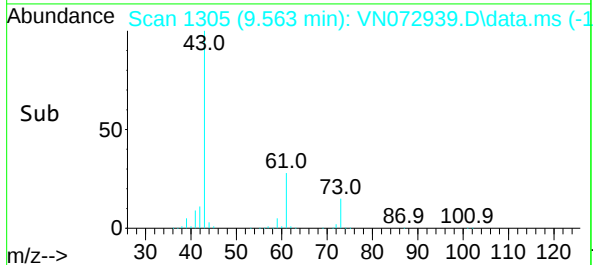
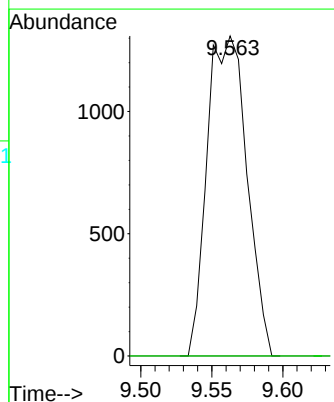
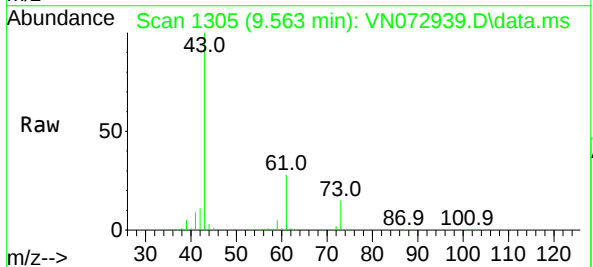
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

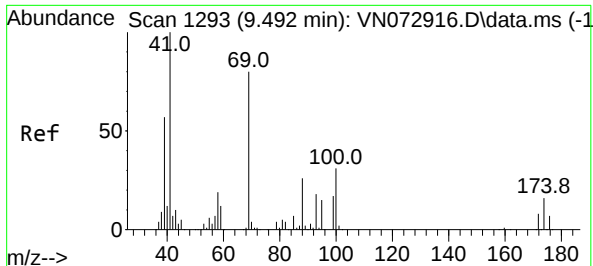
Tgt Ion: 43 Resp: 37388
Ion Ratio Lower Upper
43 100
61 20.1 21.9 32.9#
87 11.9 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.707 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.135 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

Tgt Ion: 63 Resp: 2550
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

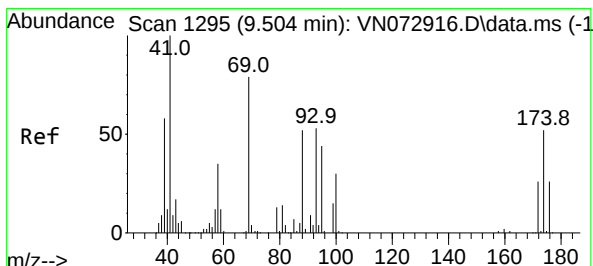
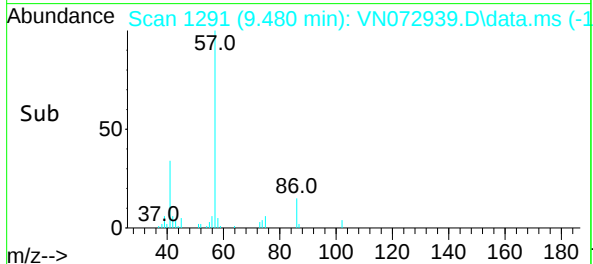
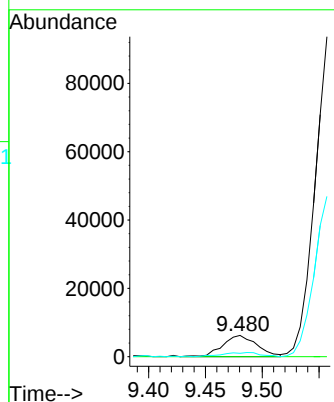
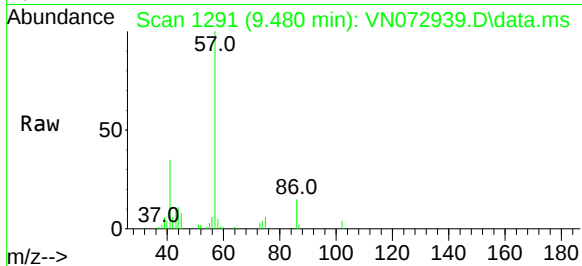




#48
Methyl methacrylate
Concen: 2.777 ug/l
RT: 9.480 min Scan# 1302
Delta R.T. -0.012 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

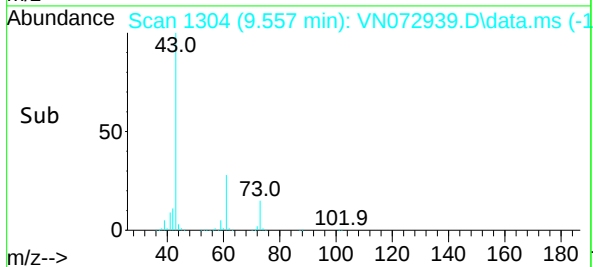
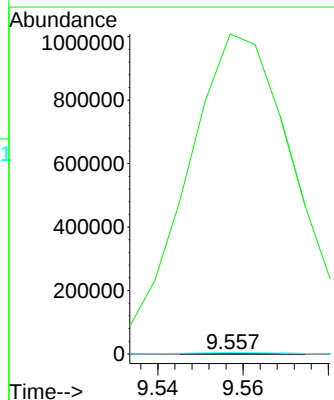
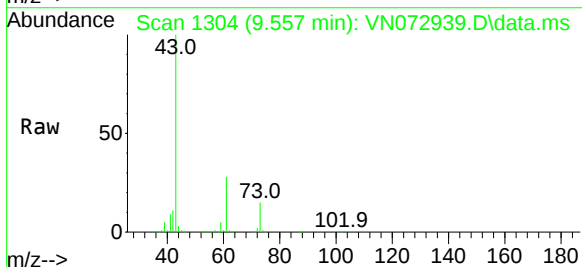
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

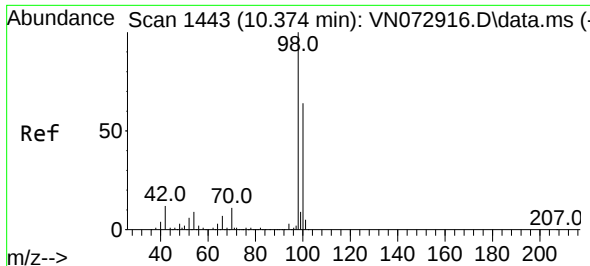
Tgt Ion: 41 Resp: 13023
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 22.3 45.6 68.4#



#49
1,4-Dioxane
Concen: 0.881 ug/l
RT: 9.557 min Scan# 1304
Delta R.T. 0.053 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

Tgt Ion: 88 Resp: 93
Ion Ratio Lower Upper
88 100
43 2017289.2 20.2 30.4#
58 7892.5 54.2 81.4#

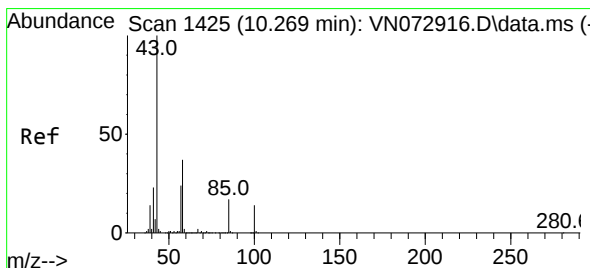
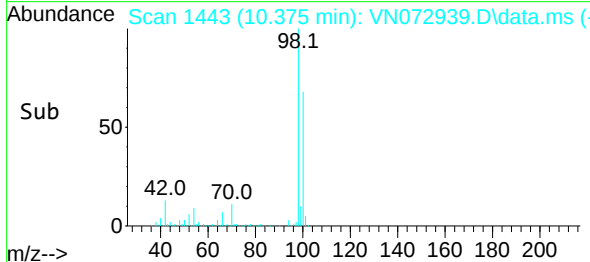
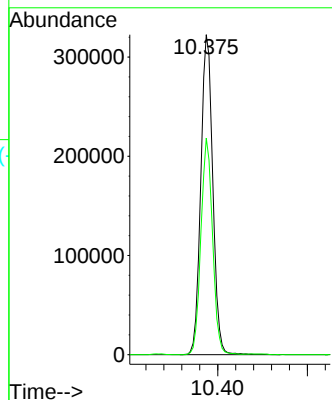
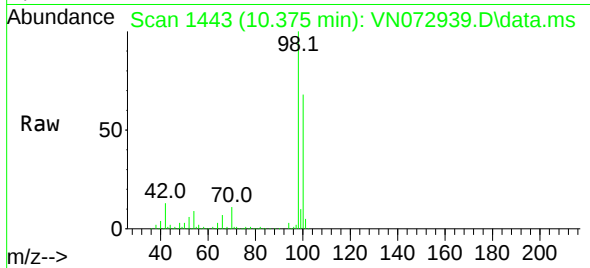




#50
Toluene-d8
Concen: 48.274 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

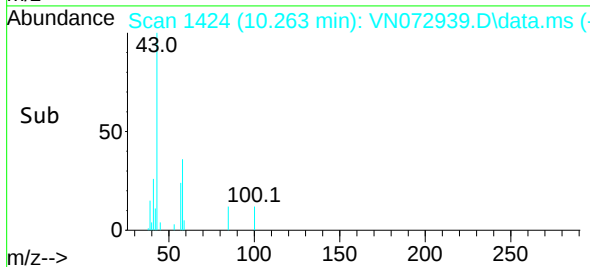
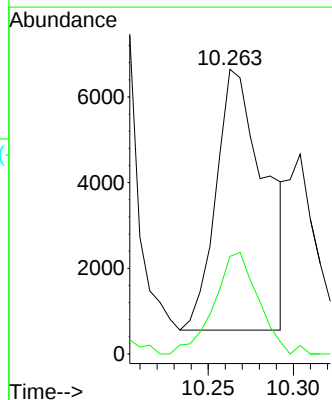
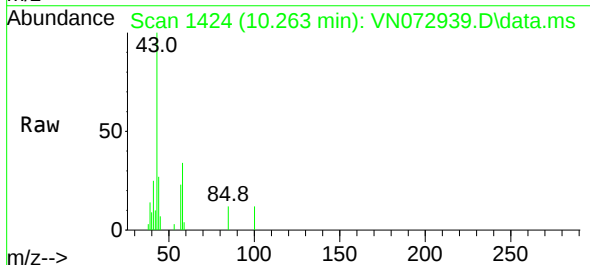
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

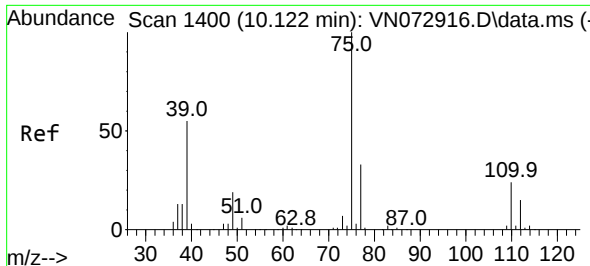
Tgt Ion: 98 Resp: 596392
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.809 ug/l
RT: 10.263 min Scan# 1424
Delta R.T. -0.006 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

Tgt Ion: 43 Resp: 12117
Ion Ratio Lower Upper
43 100
58 35.4 34.1 51.1

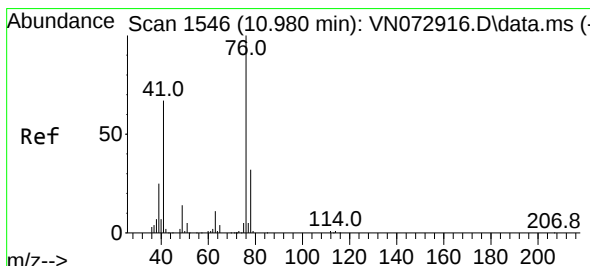
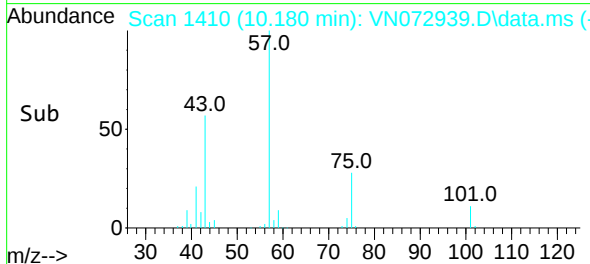
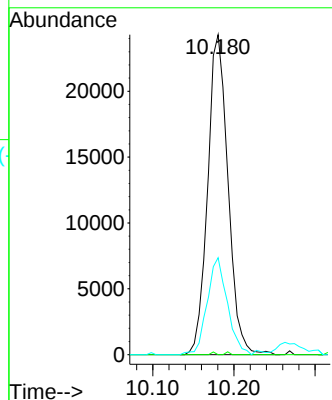
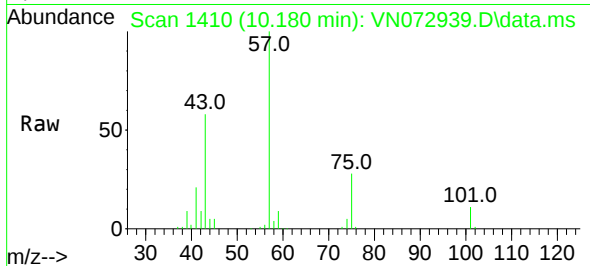




#54
 cis-1,3-Dichloropropene
 Concen: 7.423 ug/l
 RT: 10.180 min Scan# 1400
 Delta R.T. 0.059 min
 Lab File: VN072939.D
 Acq: 18 Jun 2022 14:56

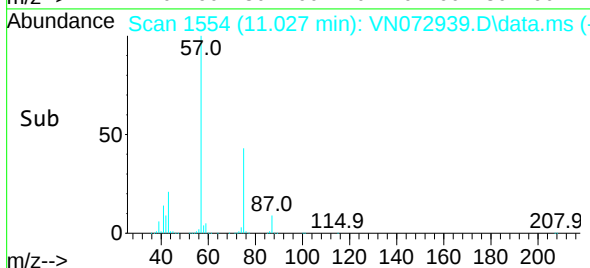
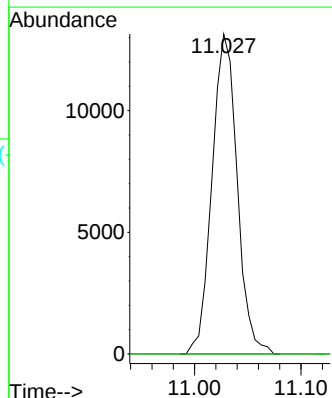
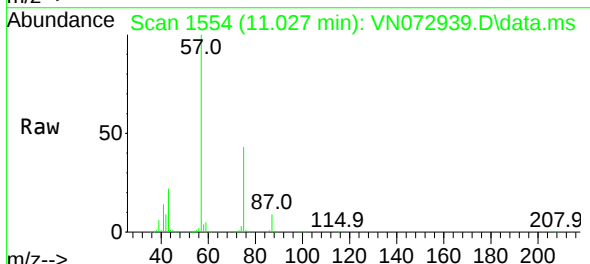
Instrument :
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 ClientSampleId :
 WC-14A-1A-10-G

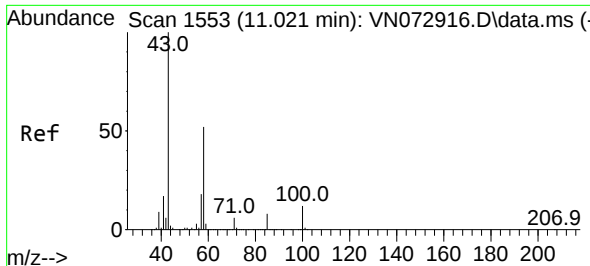
Tgt Ion: 75 Resp: 42291
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 30.3 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 3.409 ug/l
 RT: 11.027 min Scan# 1554
 Delta R.T. 0.047 min
 Lab File: VN072939.D
 Acq: 18 Jun 2022 14:56

Tgt Ion: 76 Resp: 21525
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

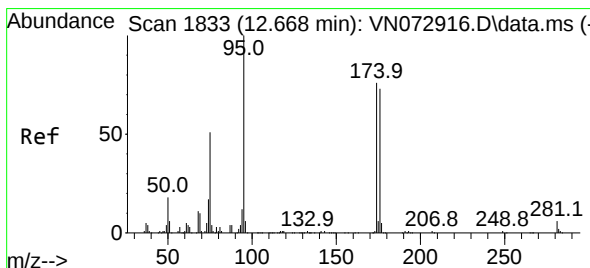
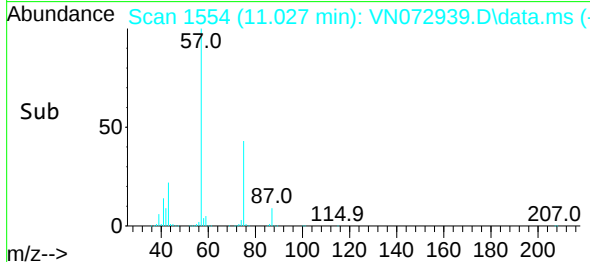
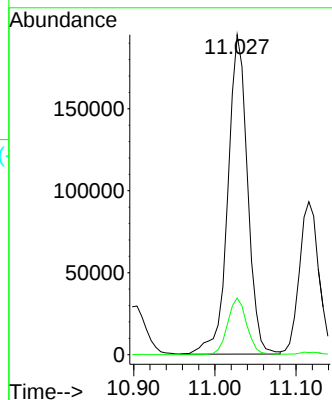
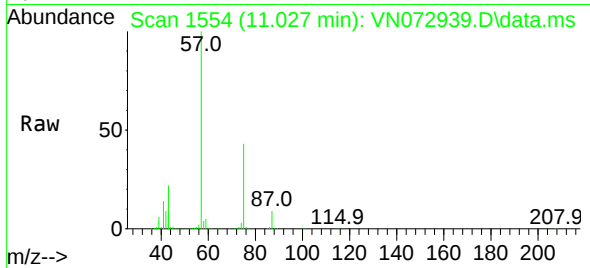




#59
2-Hexanone
Concen: 63.507 ug/l
RT: 11.027 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

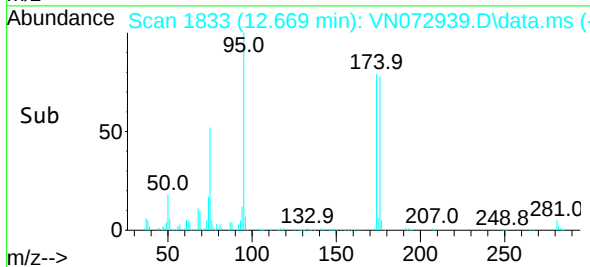
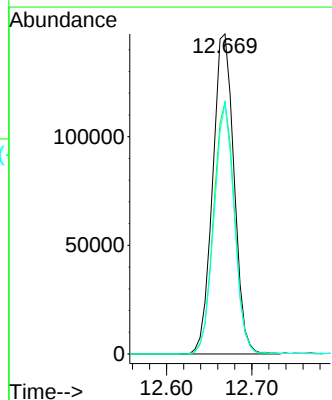
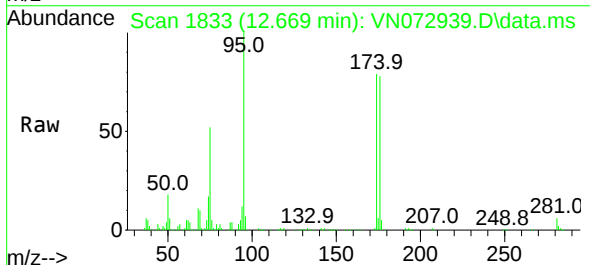
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

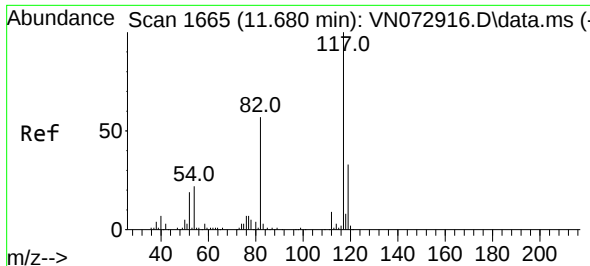
Tgt Ion: 43 Resp: 329016
Ion Ratio Lower Upper
43 100
58 17.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 57.779 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

Tgt Ion: 95 Resp: 256680
Ion Ratio Lower Upper
95 100
174 76.5 0.0 167.6
176 74.3 0.0 163.4

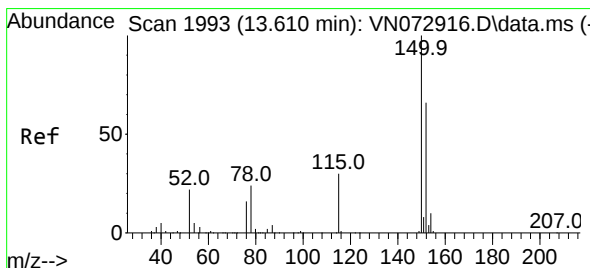
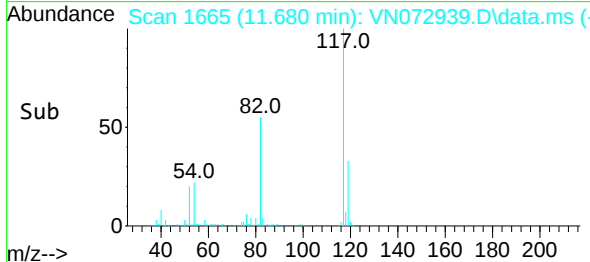
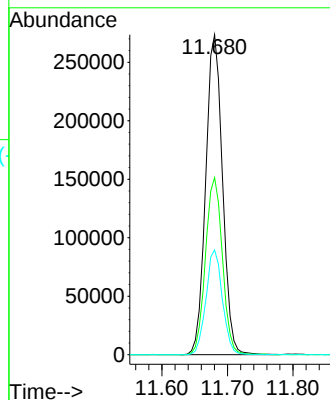
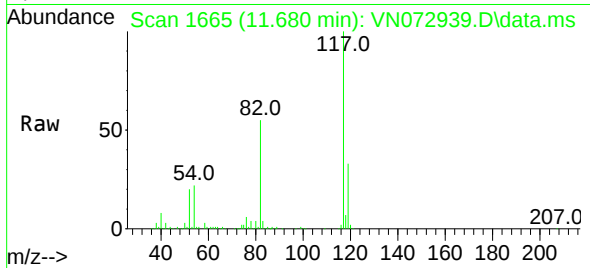




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

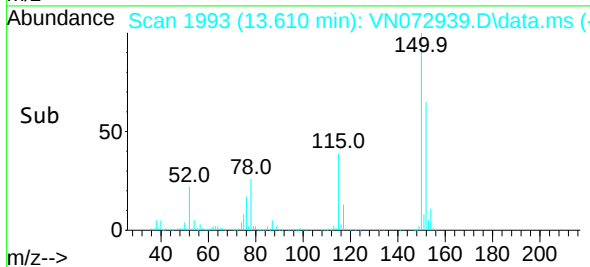
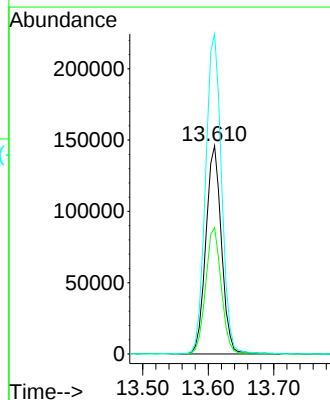
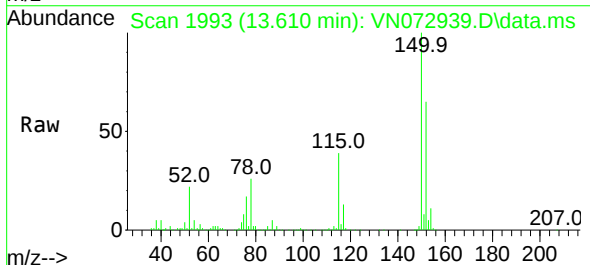
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

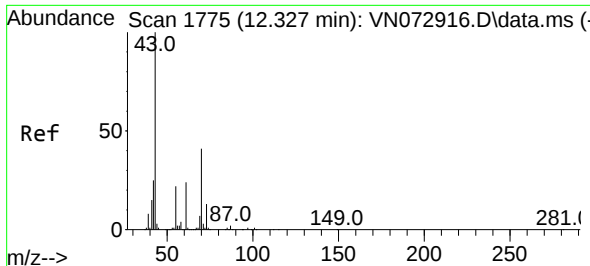
Tgt Ion:117 Resp: 488662
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.2
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

Tgt Ion:152 Resp: 242091
Ion Ratio Lower Upper
152 100
115 61.0 28.9 86.7
150 157.6 0.0 356.2

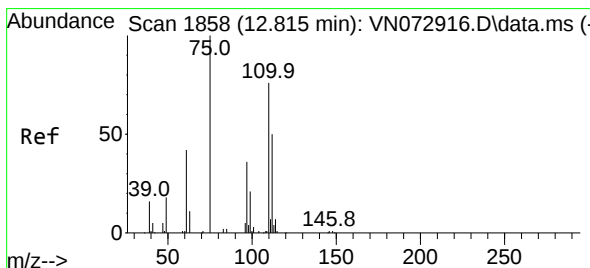
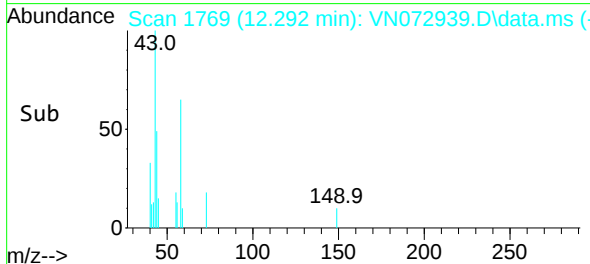
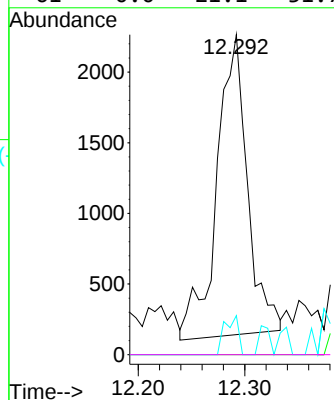
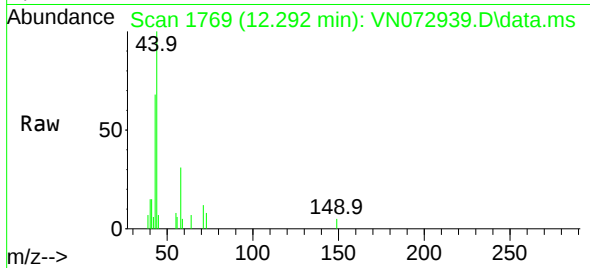




#74
N-amy1 acetate
Concen: 0.438 ug/l
RT: 12.292 min Scan# 1775
Delta R.T. -0.035 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

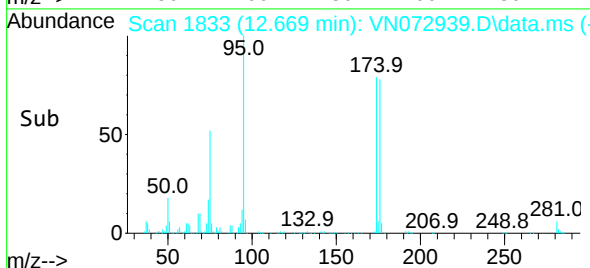
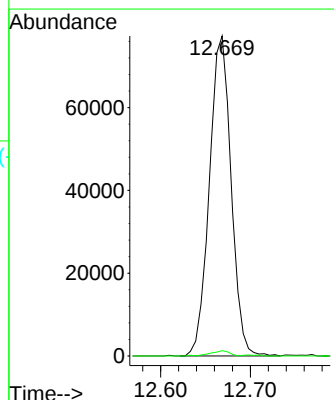
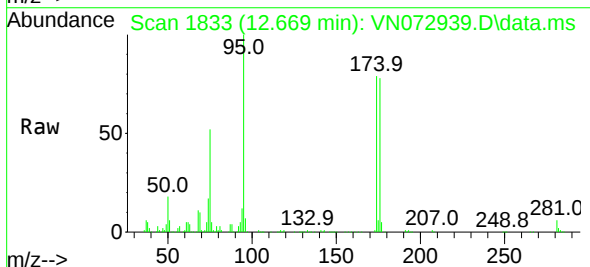
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

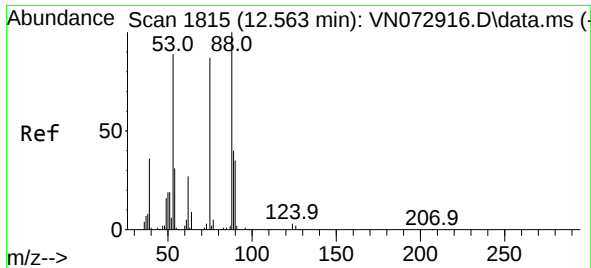
Tgt Ion: 43 Resp: 4254
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 5.8 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 22.169 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN072939.D
Acq: 18 Jun 2022 14:56

Tgt Ion: 75 Resp: 130120
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.870 ug/l
 RT: 12.669 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN072939.D
 Acq: 18 Jun 2022 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-10-G

Tgt Ion: 75 Resp: 130120
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.0 117.0#
 89 0.0 37.2 55.8#

