

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061822\
 Data File : VN072941.D
 Acq On : 18 Jun 2022 15:45
 Operator : JC\MD
 Sample : N3304-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-6-G

Quant Time: Jun 20 08:05:16 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)

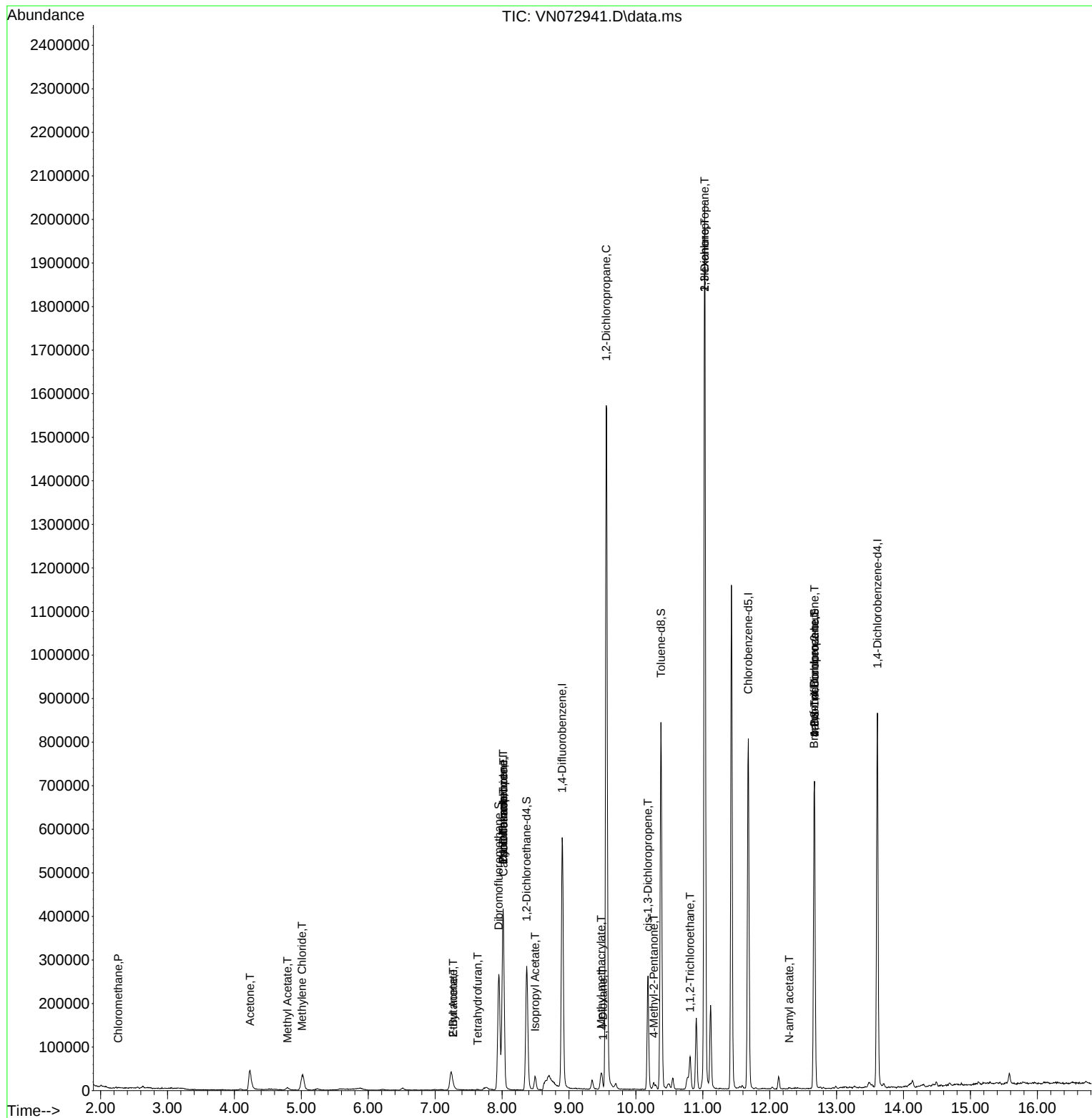
Internal Standards						
1) Pentafluorobenzene	8.016	168	321564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	519218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	467623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	233191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	239098	54.997	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.000%
35) Dibromofluoromethane	7.951	113	198375	61.814	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	123.620%
50) Toluene-d8	10.374	98	580673	48.626	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.260%
62) 4-Bromofluorobenzene	12.668	95	249155	58.023	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.040%
Target Compounds						
						Qvalue
3) Chloromethane	2.263	50	469	0.710	ug/l #	43
16) Acetone	4.234	43	87533	36.628	ug/l	88
18) Methyl Acetate	4.792	43	11121	1.748	ug/l	90
20) Methylene Chloride	5.010	84	28772	7.557	ug/l	93
25) 2-Butanone	7.269	43	13937	3.675	ug/l #	86
29) Tetrahydrofuran	7.633	42	1234	0.493	ug/l #	47
31) Cyclohexane	8.016	56	6598	1.122	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	24463	5.633	ug/l #	48
37) Ethyl Acetate	7.269	43	13937	2.007	ug/l #	67
38) Carbon Tetrachloride	8.022	117	33419	7.316	ug/l #	16
43) Isopropyl Acetate	8.492	43	35892	3.615	ug/l #	87
45) 1,2-Dichloropropane	9.557	63	2303	0.660	ug/l #	44
48) Methyl methacrylate	9.480	41	12906	2.847	ug/l #	22
49) 1,4-Dioxane	9.510	88	70	0.686	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	10062	1.554	ug/l	93
54) cis-1,3-Dichloropropene	10.180	75	46595	8.462	ug/l #	62
55) 1,1,2-Trichloroethane	10.810	97	738	0.201	ug/l #	16
57) 1,3-Dichloropropane	11.027	76	21359	3.499	ug/l #	42
59) 2-Hexanone	11.027	43	331328	66.163	ug/l #	44
71) Bromoform	12.663	173	1220	0.466	ug/l #	1
74) N-amyl acetate	12.292	43	2050	0.219	ug/l #	42
76) 1,2,3-Trichloropropane	12.668	75	126208	22.323	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	126208	60.286	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.551	75	53	Below Cal	#	1

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

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Quant Time: Jun 20 08:05:16 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

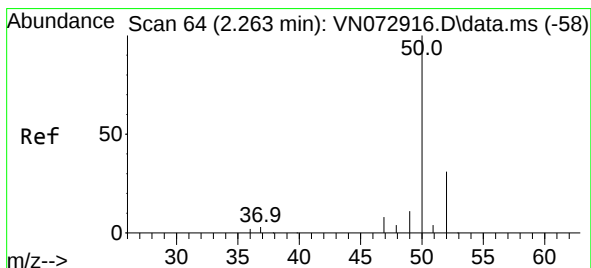
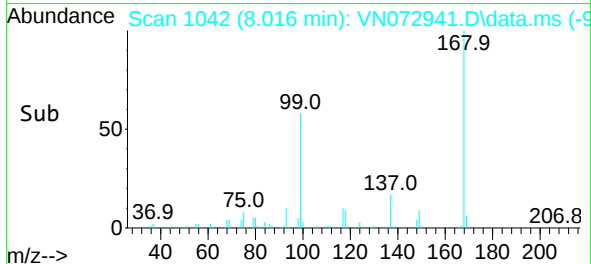
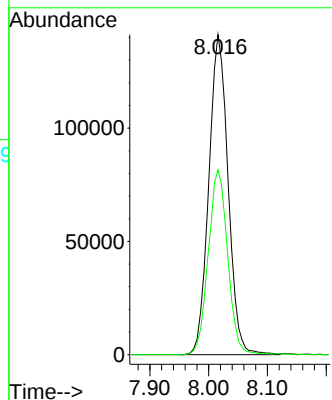
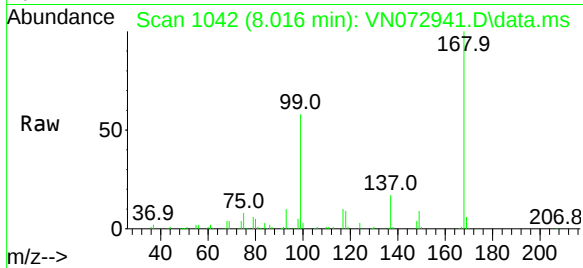




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

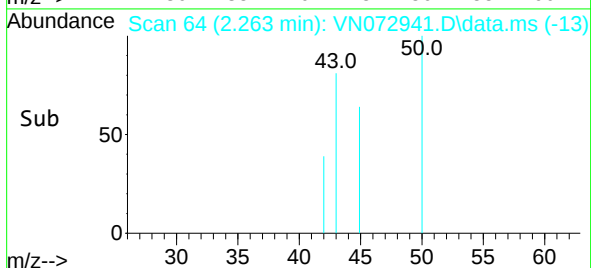
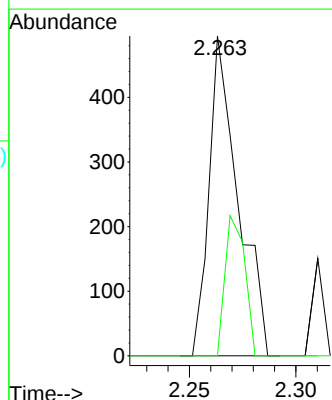
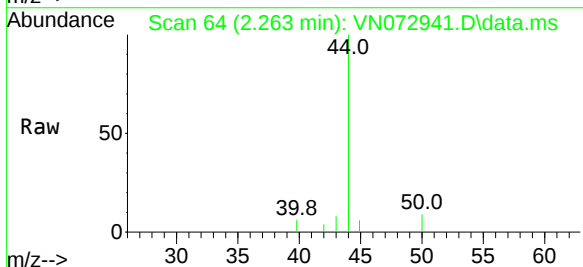
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-6-G

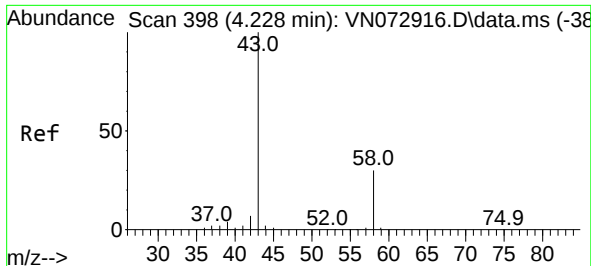
Tgt Ion:168 Resp: 321564
Ion Ratio Lower Upper
168 100
99 57.8 42.3 63.5



#3
Chloromethane
Concen: 0.710 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

Tgt Ion: 50 Resp: 469
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

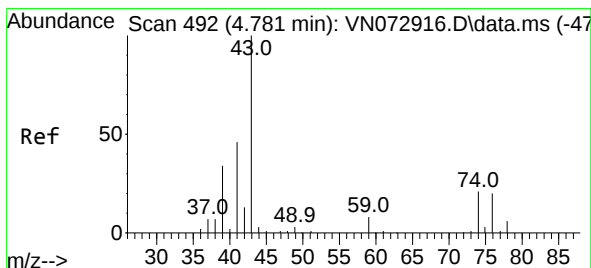
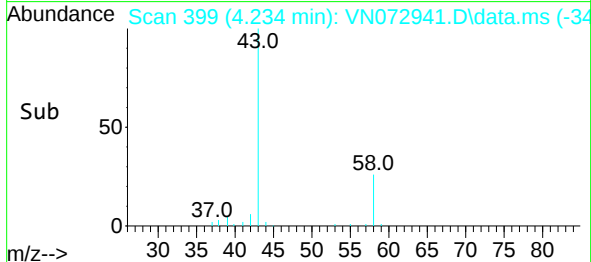
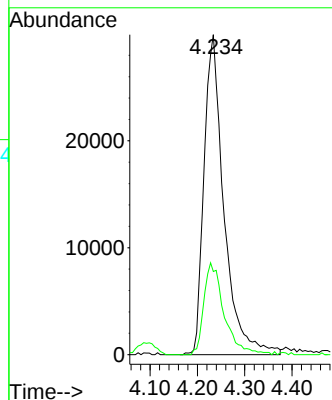
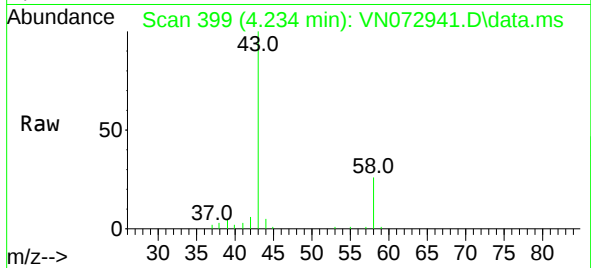




#16
Acetone
Concen: 36.628 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.006 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

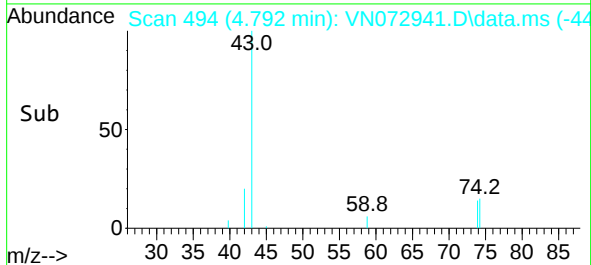
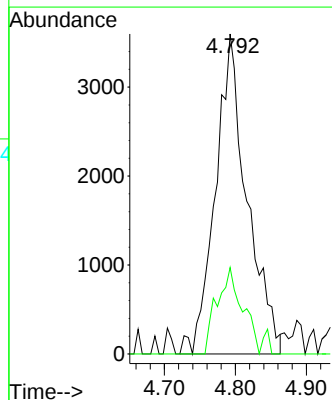
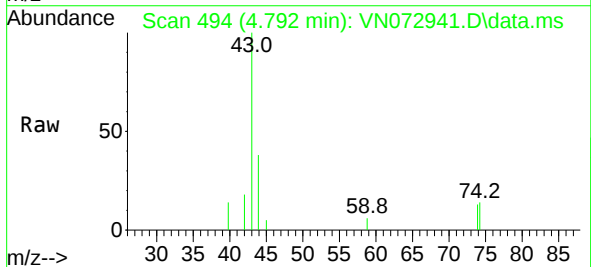
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-6-G

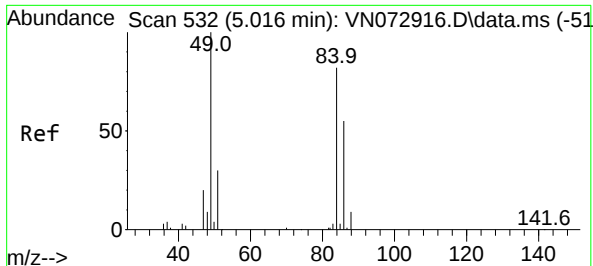
Tgt Ion: 43 Resp: 87533
Ion Ratio Lower Upper
43 100
58 26.0 26.0 39.0



#18
Methyl Acetate
Concen: 1.748 ug/l
RT: 4.792 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

Tgt Ion: 43 Resp: 11121
Ion Ratio Lower Upper
43 100
74 21.7 21.6 32.4



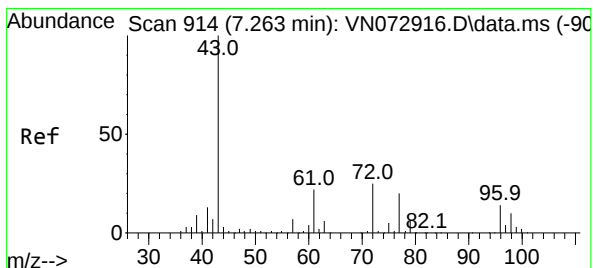
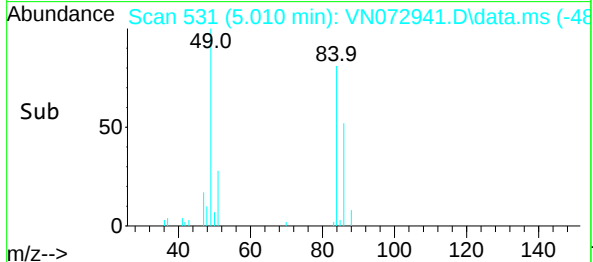
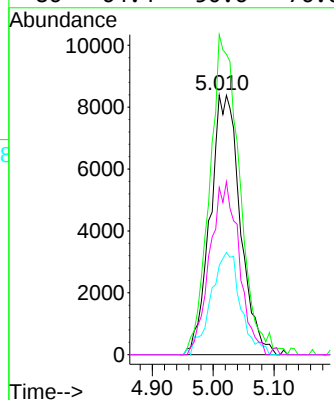
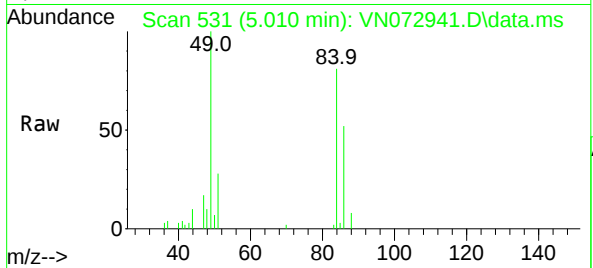


#20
Methylene Chloride
Concen: 7.557 ug/l
RT: 5.010 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-6-G

Tgt Ion: 84 Resp: 28772

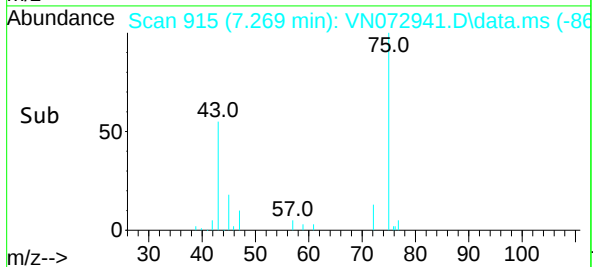
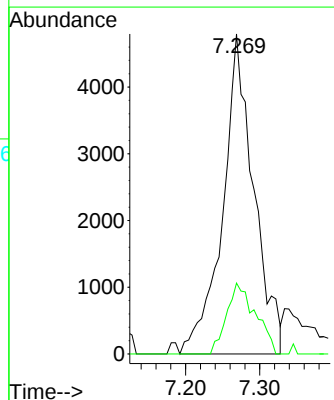
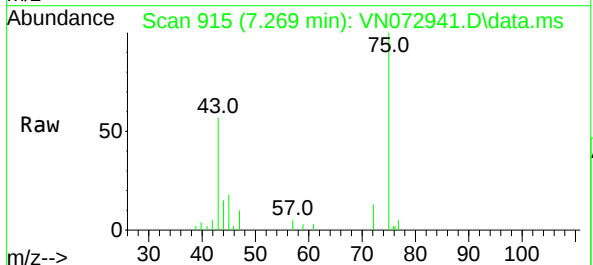
Ion	Ratio	Lower	Upper
84	100		
49	123.3	88.3	132.5
51	34.4	28.2	42.2
86	64.4	50.6	76.0

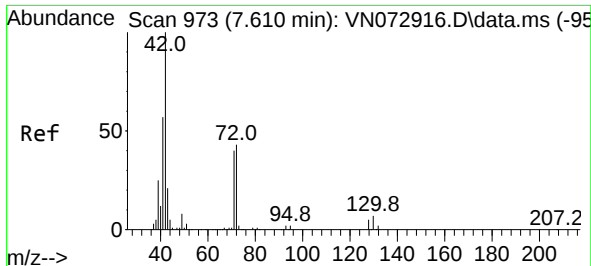


#25
2-Butanone
Concen: 3.675 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.006 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

Tgt Ion: 43 Resp: 13937

Ion	Ratio	Lower	Upper
43	100		
72	22.2	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.493 ug/l

RT: 7.633 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN072941.D

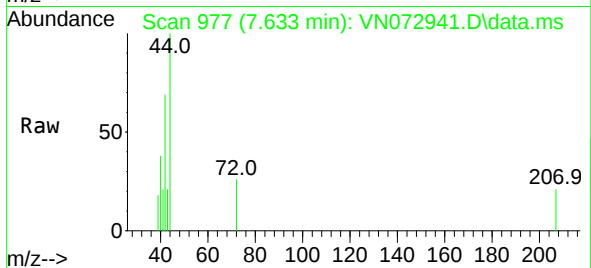
Acq: 18 Jun 2022 15:45

Instrument :

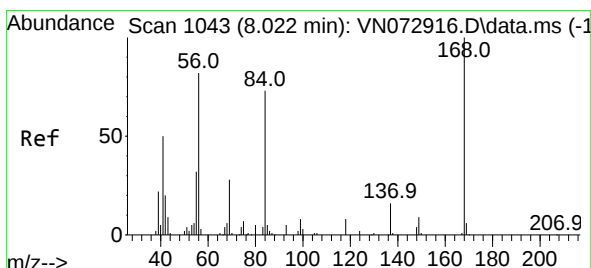
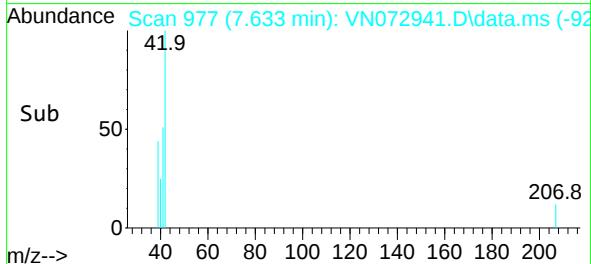
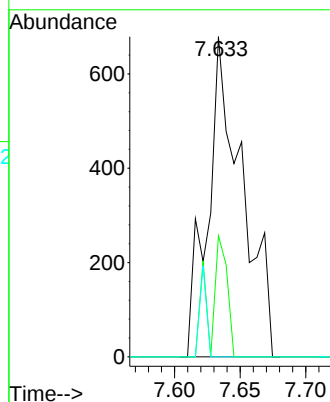
MSVOA_N

ClientSampleId :

WC-14A-1A-6-G



Tgt Ion:	42	Resp:	1234
Ion	Ratio	Lower	Upper
42	100		
72	18.7	39.7	59.5#
71	5.5	36.6	55.0#



#31

Cyclohexane

Concen: 1.122 ug/l

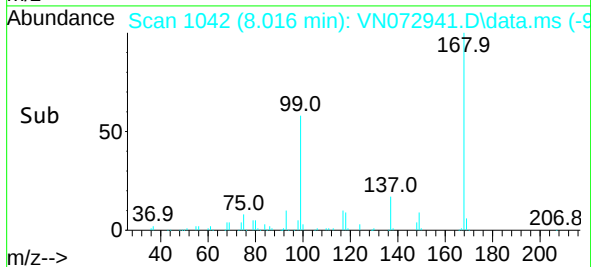
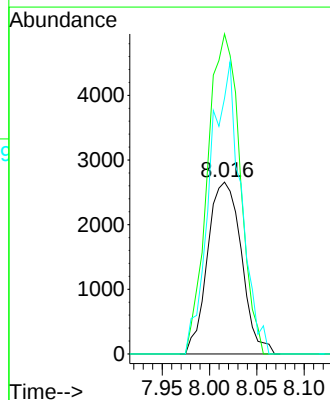
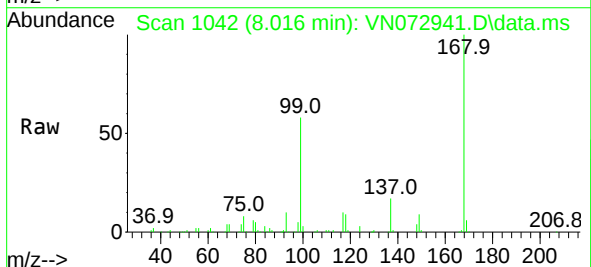
RT: 8.016 min Scan# 1042

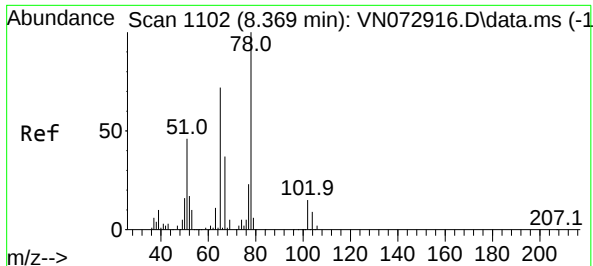
Delta R.T. -0.006 min

Lab File: VN072941.D

Acq: 18 Jun 2022 15:45

Tgt Ion:	56	Resp:	6598
Ion	Ratio	Lower	Upper
56	100		
69	186.2	27.8	41.8#
84	156.7	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 54.997 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN072941.D

Acq: 18 Jun 2022 15:45

Instrument :

MSVOA_N

ClientSampleId :

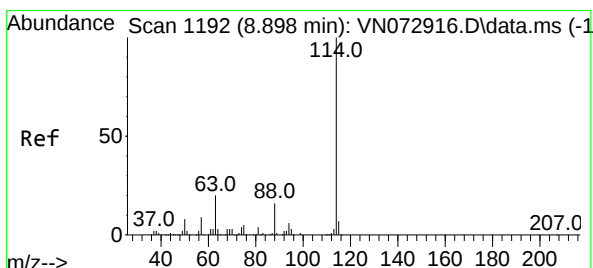
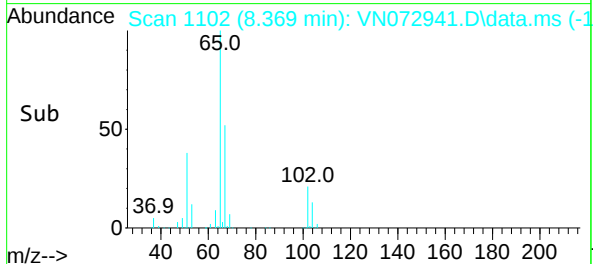
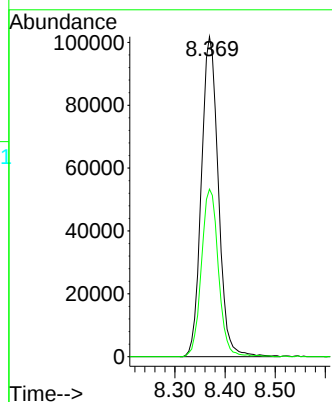
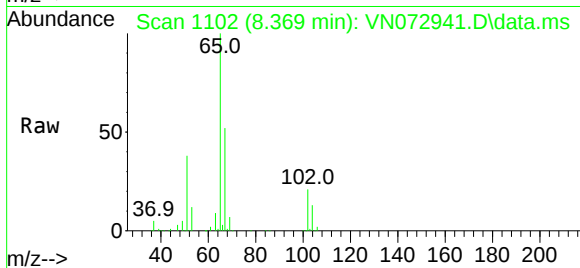
WC-14A-1A-6-G

Tgt Ion: 65 Resp: 239098

Ion Ratio Lower Upper

65 100

67 52.3 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: VN072941.D

Acq: 18 Jun 2022 15:45

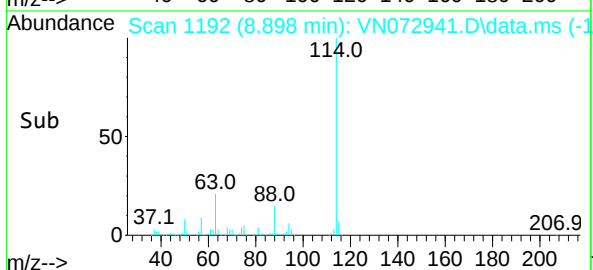
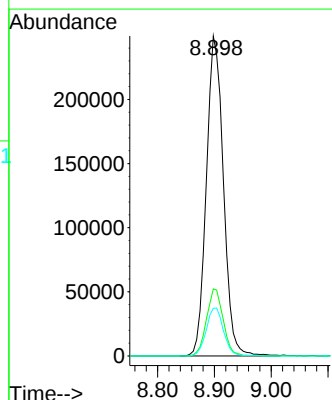
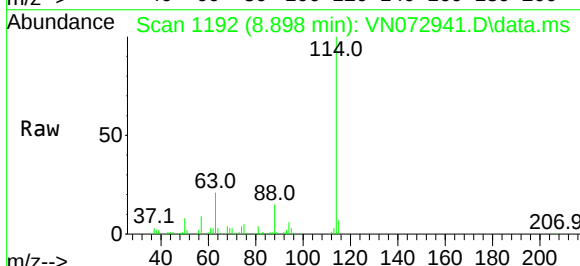
Tgt Ion: 114 Resp: 519218

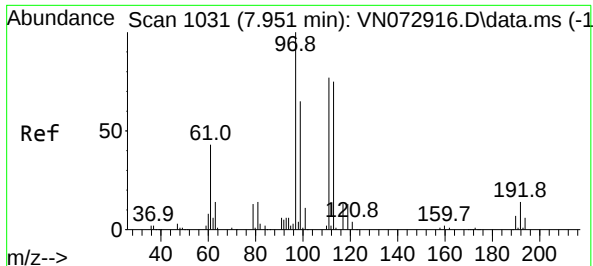
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

88 14.9 0.0 32.6

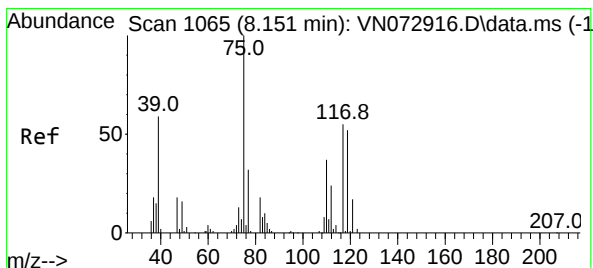
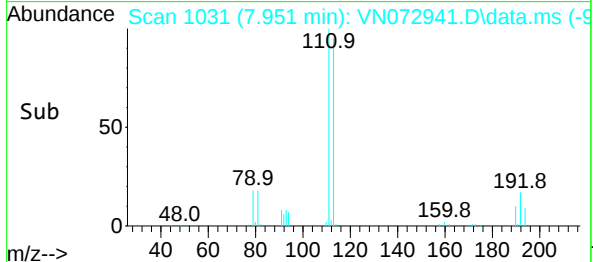
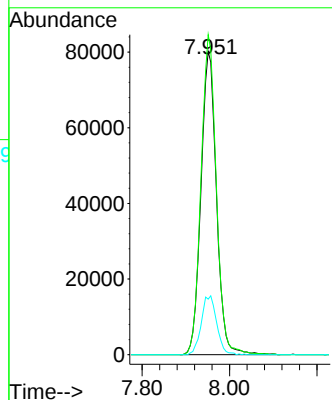
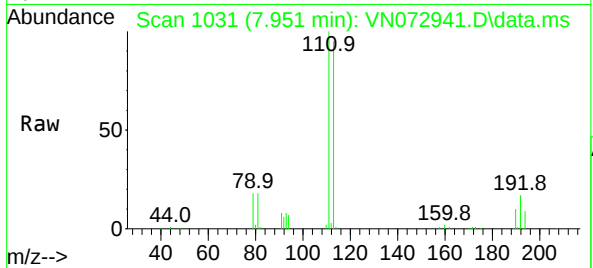




#35
Dibromofluoromethane
Concen: 61.814 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

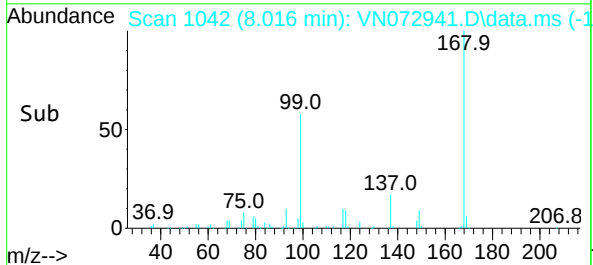
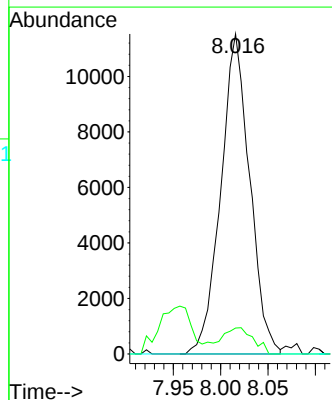
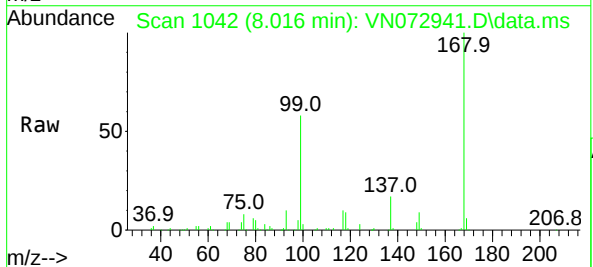
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-6-G

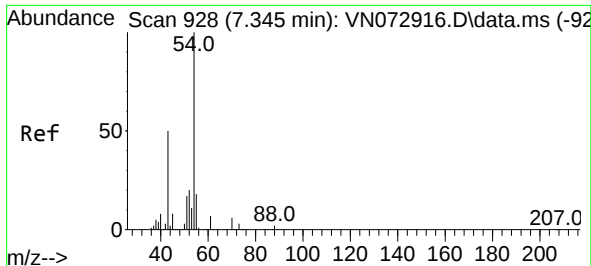
Tgt Ion:113 Resp: 198375
Ion Ratio Lower Upper
113 100
111 104.1 81.4 122.0
192 19.3 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.633 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

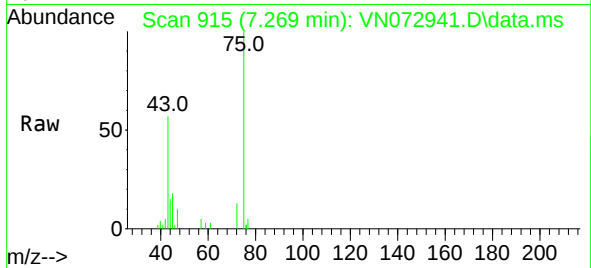
Tgt Ion: 75 Resp: 24463
Ion Ratio Lower Upper
75 100
110 8.5 18.3 54.8#
77 0.0 25.1 37.7#



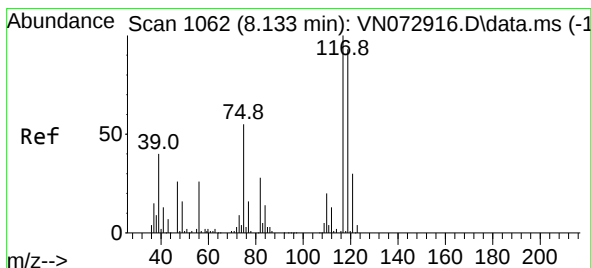
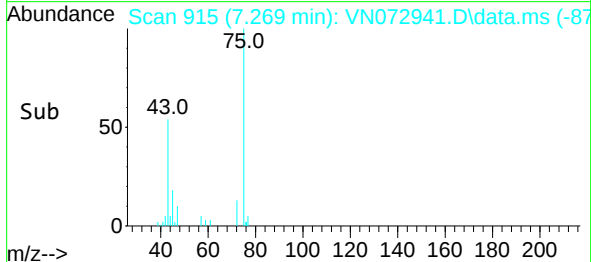
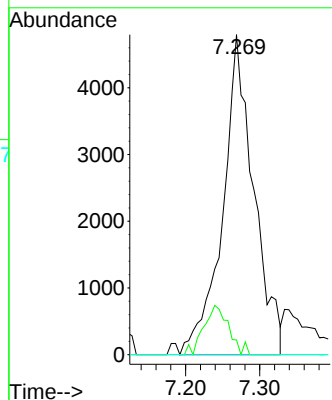


#37
Ethyl Acetate
Concen: 2.007 ug/l
RT: 7.269 min Scan# 915
Delta R.T. -0.077 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-6-G

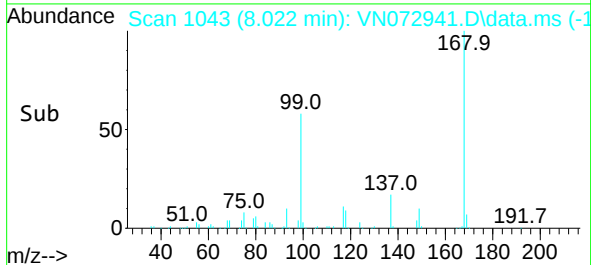
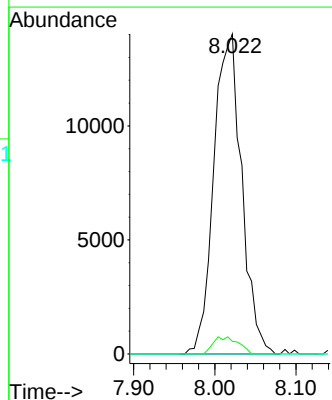
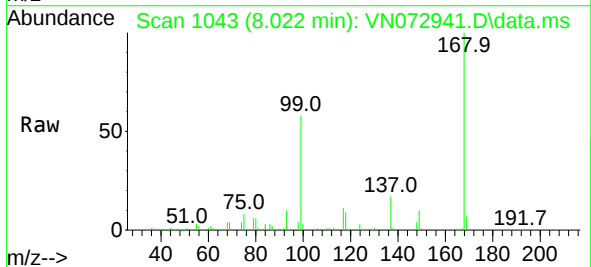


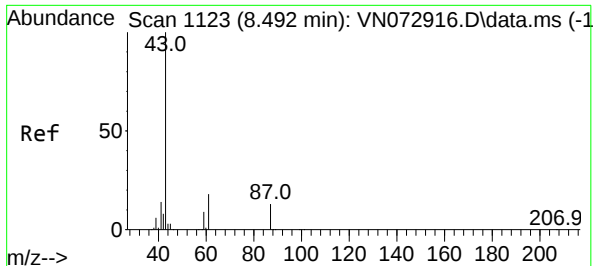
Tgt Ion: 43 Resp: 13937
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 7.316 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

Tgt Ion: 117 Resp: 33419
Ion Ratio Lower Upper
117 100
119 3.9 75.8 113.8#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 3.615 ug/l

RT: 8.492 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN072941.D

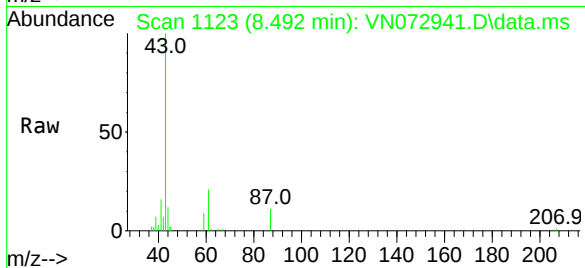
Acq: 18 Jun 2022 15:45

Instrument :

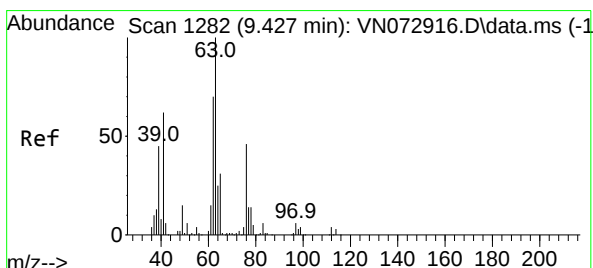
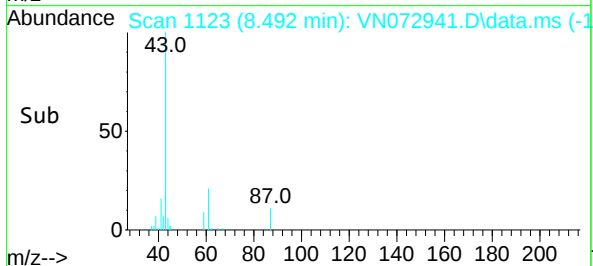
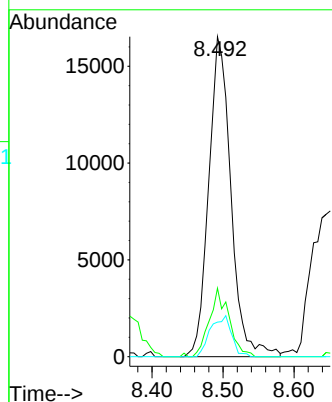
MSVOA_N

ClientSampleId :

WC-14A-1A-6-G



Tgt Ion: 43	Resp: 35892
Ion Ratio	Lower Upper
43	100
61	19.0 21.9 32.9#
87	12.2 12.0 18.0



#45

1,2-Dichloropropane

Concen: 0.660 ug/l

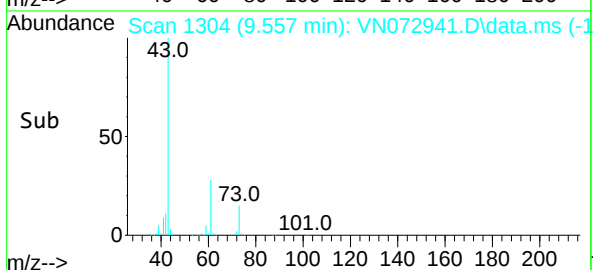
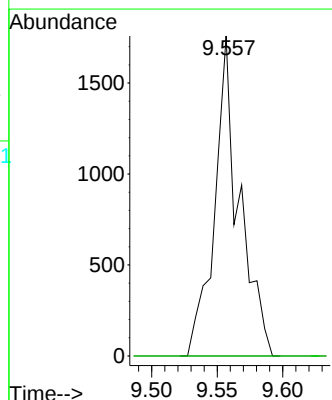
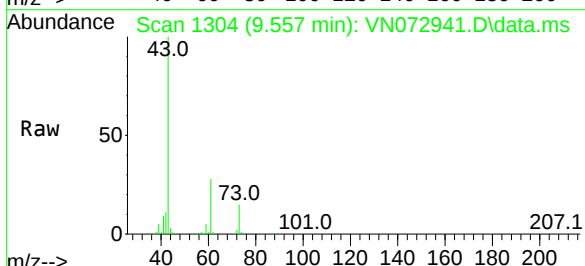
RT: 9.557 min Scan# 1304

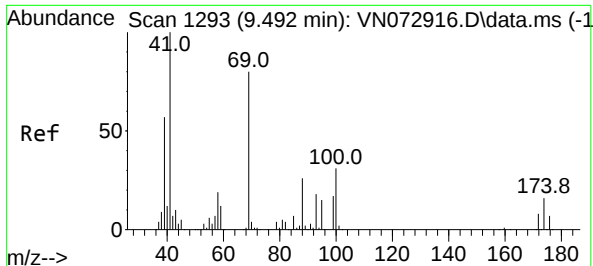
Delta R.T. 0.129 min

Lab File: VN072941.D

Acq: 18 Jun 2022 15:45

Tgt Ion: 63	Resp: 2303
Ion Ratio	Lower Upper
63	100
65	0.0 24.9 37.3#

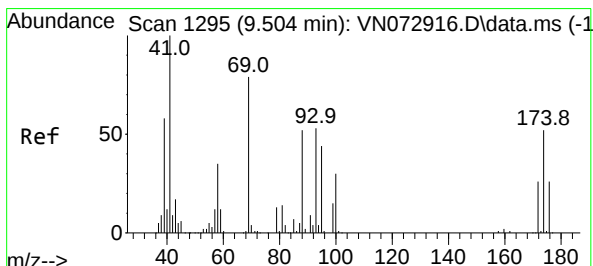
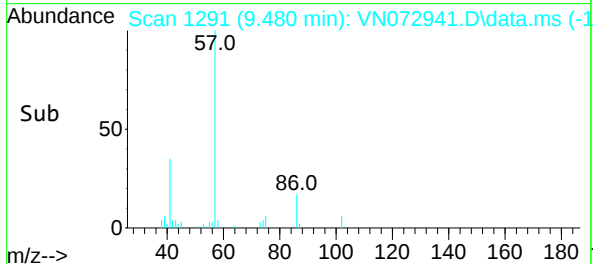
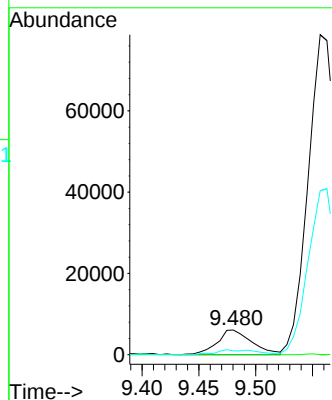
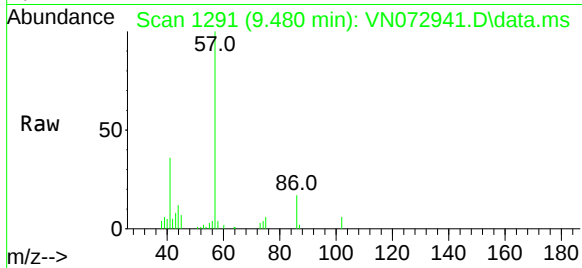




#48
Methyl methacrylate
Concen: 2.847 ug/l
RT: 9.480 min Scan# 1290
Delta R.T. -0.012 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

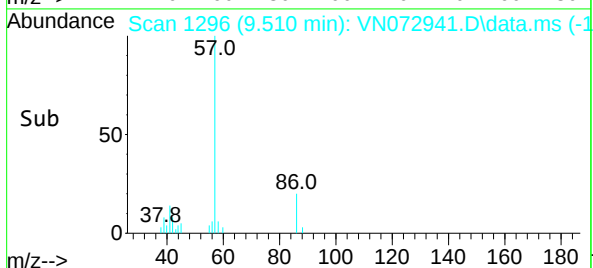
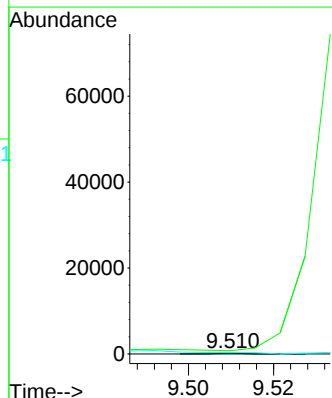
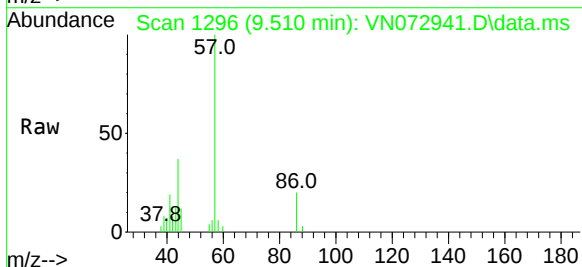
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-6-G

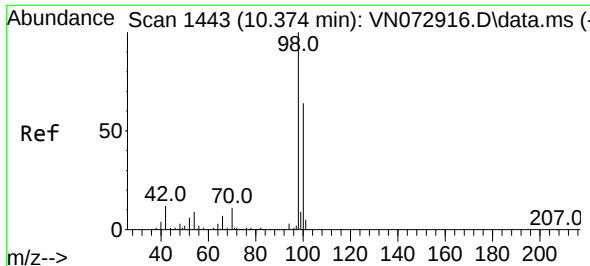
Tgt Ion: 41 Resp: 12906
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 22.4 45.6 68.4#



#49
1,4-Dioxane
Concen: 0.686 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 2830.0 54.2 81.4#

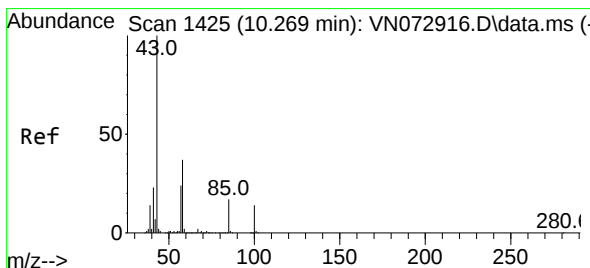
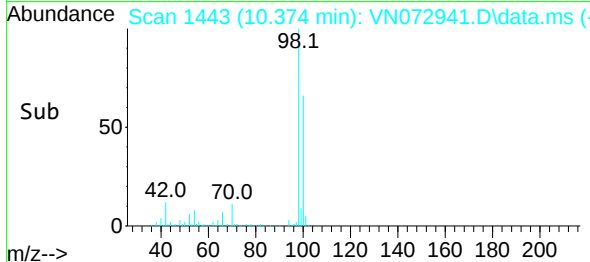
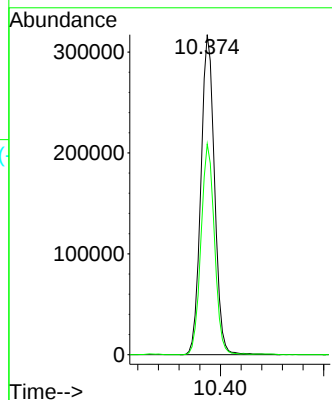
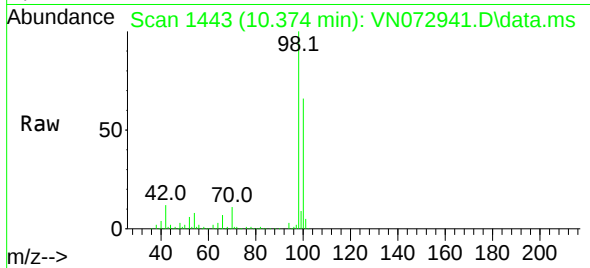




#50
Toluene-d8
Concen: 48.626 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

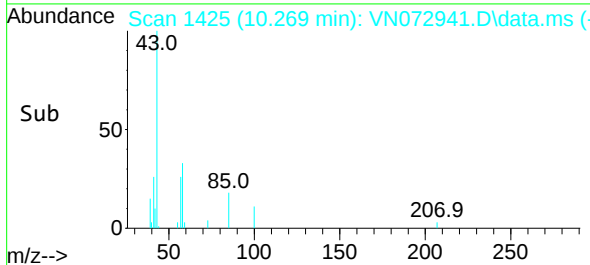
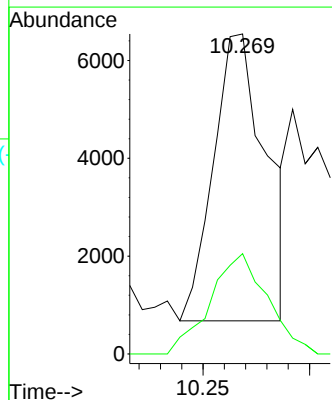
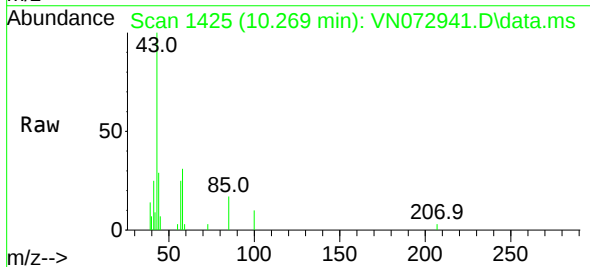
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-6-G

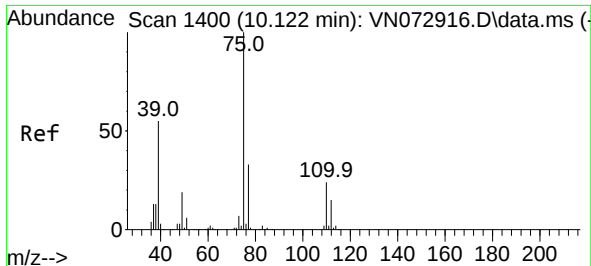
Tgt Ion: 98 Resp: 580673
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.554 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

Tgt Ion: 43 Resp: 10062
Ion Ratio Lower Upper
43 100
58 38.1 34.1 51.1

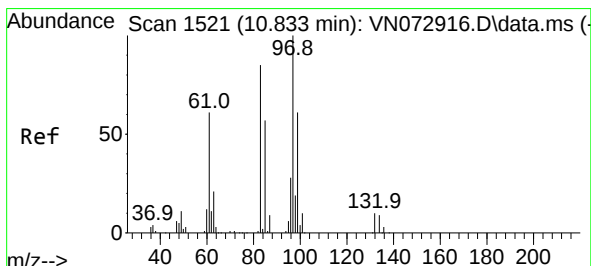
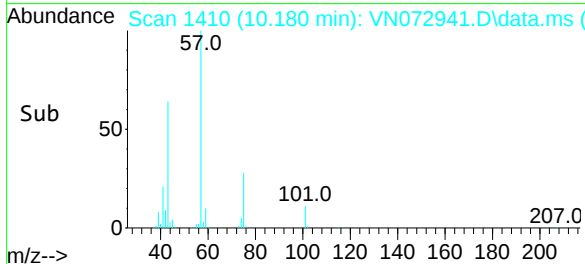
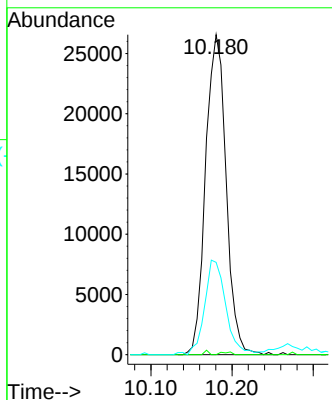
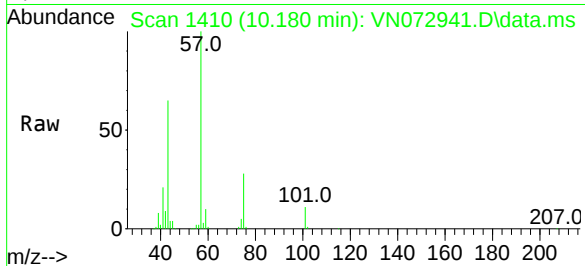




#54
 cis-1,3-Dichloropropene
 Concen: 8.462 ug/l
 RT: 10.180 min Scan# 1400
 Delta R.T. 0.059 min
 Lab File: VN072941.D
 Acq: 18 Jun 2022 15:45

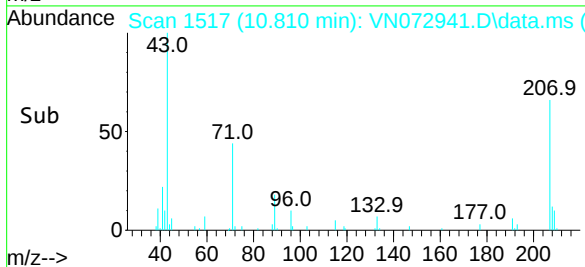
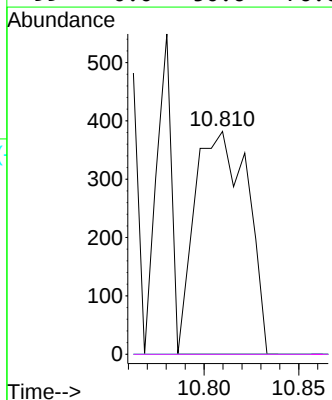
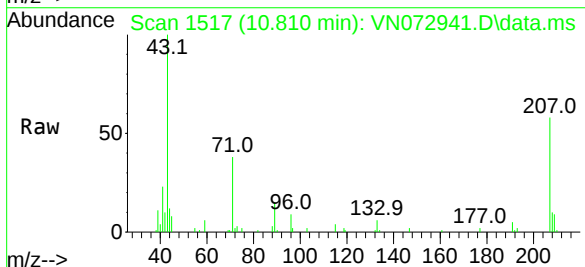
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-6-G

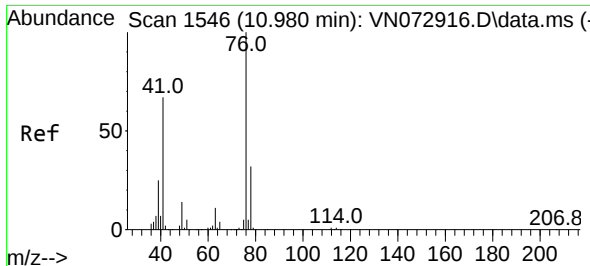
Tgt Ion: 75 Resp: 46595
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 28.2 35.7 53.5#



#55
 1,1,2-Trichloroethane
 Concen: 0.201 ug/l
 RT: 10.810 min Scan# 1517
 Delta R.T. -0.024 min
 Lab File: VN072941.D
 Acq: 18 Jun 2022 15:45

Tgt Ion: 97 Resp: 738
 Ion Ratio Lower Upper
 97 100
 83 0.0 66.2 99.4#
 85 0.0 43.9 65.9#
 99 0.0 50.6 76.0#





#57

1,3-Dichloropropane

Concen: 3.499 ug/l

RT: 11.027 min Scan# 1554

Delta R.T. 0.047 min

Lab File: VN072941.D

Acq: 18 Jun 2022 15:45

Instrument :

MSVOA_N

ClientSampleId :

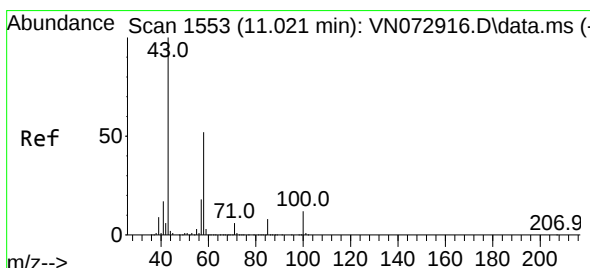
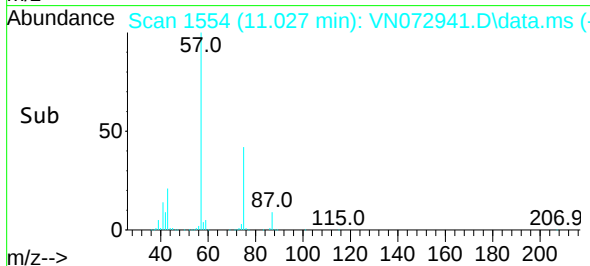
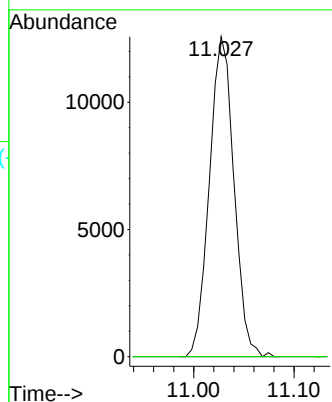
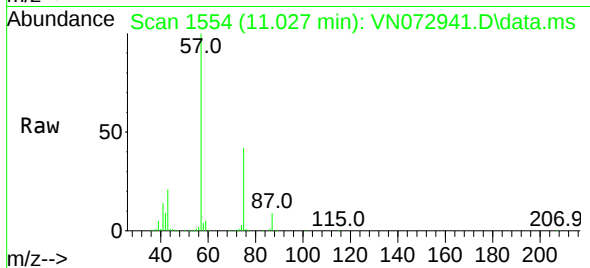
WC-14A-1A-6-G

Tgt Ion: 76 Resp: 21359

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 66.163 ug/l

RT: 11.027 min Scan# 1554

Delta R.T. 0.006 min

Lab File: VN072941.D

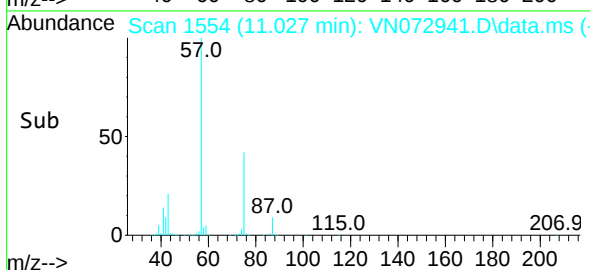
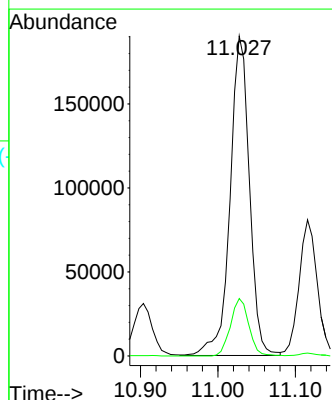
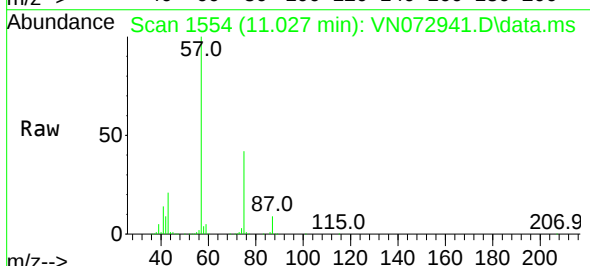
Acq: 18 Jun 2022 15:45

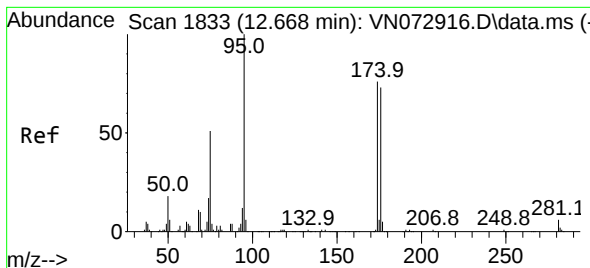
Tgt Ion: 43 Resp: 331328

Ion Ratio Lower Upper

43 100

58 17.0 29.7 89.1#

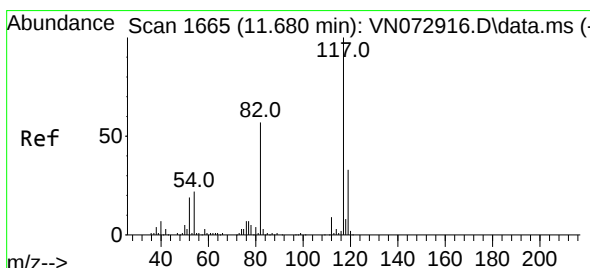
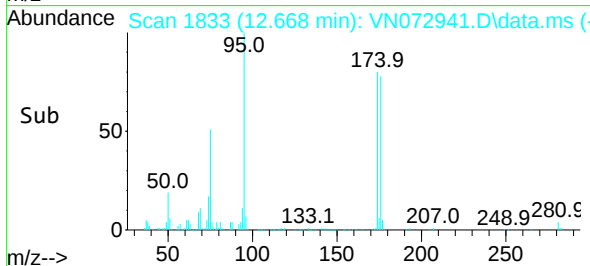
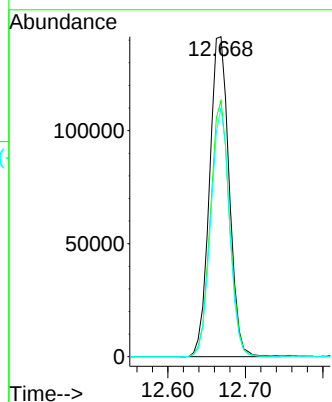
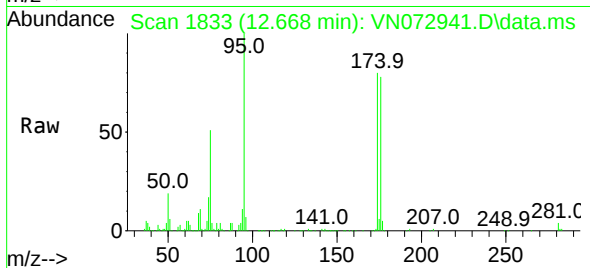




#62
4-Bromofluorobenzene
Concen: 58.023 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

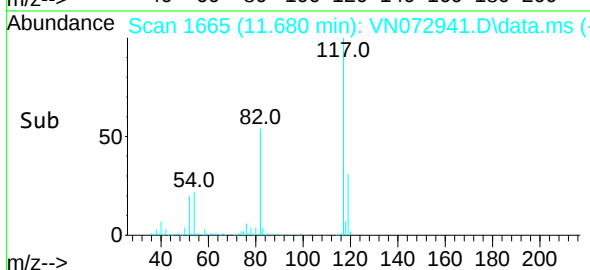
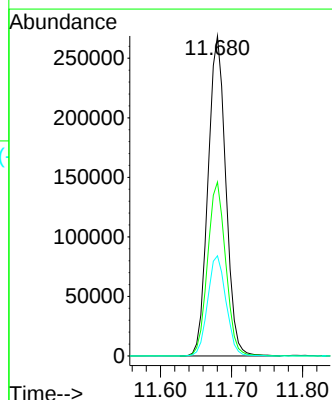
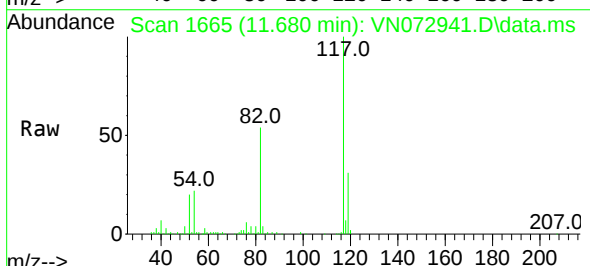
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-6-G

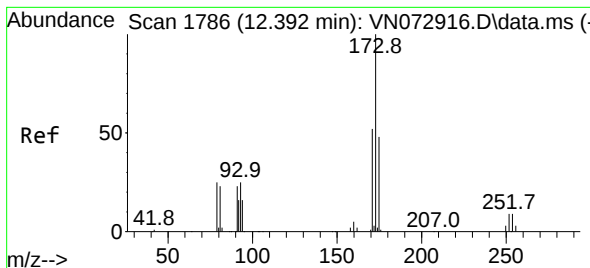
Tgt Ion: 95 Resp: 249155
Ion Ratio Lower Upper
95 100
174 77.3 0.0 167.6
176 74.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

Tgt Ion: 117 Resp: 467623
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 31.3 25.4 38.0





#71

Bromoform

Concen: 0.466 ug/l

RT: 12.663 min Scan# 1832

Delta R.T. 0.271 min

Lab File: VN072941.D

Acq: 18 Jun 2022 15:45

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-6-G

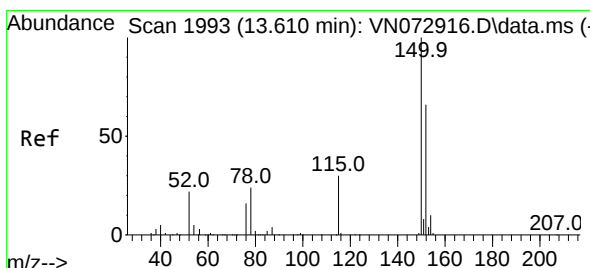
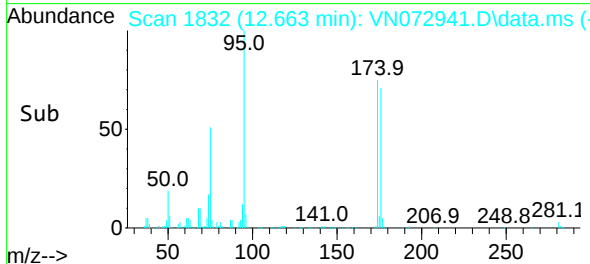
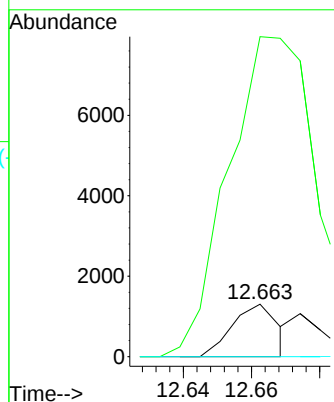
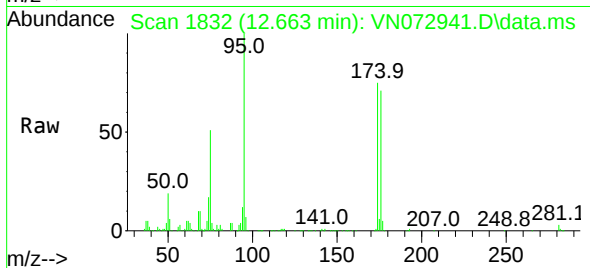
Tgt Ion:173 Resp: 1220

Ion Ratio Lower Upper

173 100

175 777.5 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: VN072941.D

Acq: 18 Jun 2022 15:45

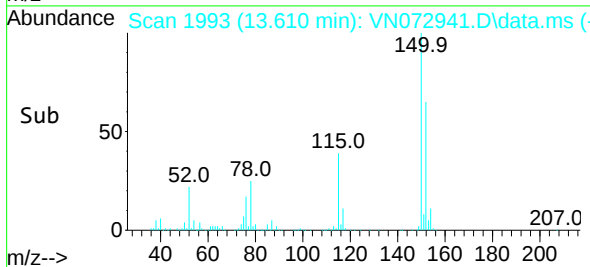
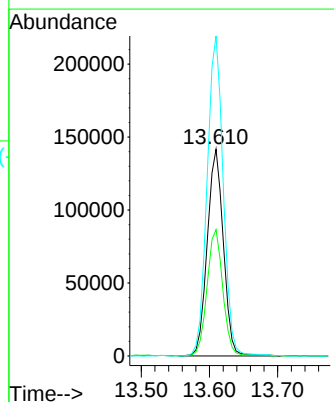
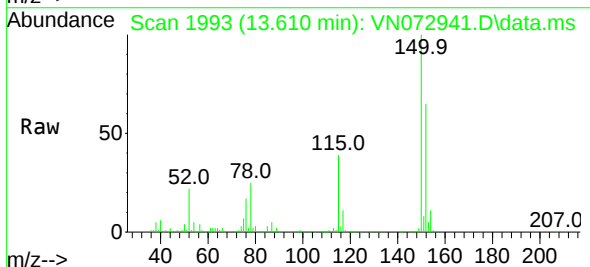
Tgt Ion:152 Resp: 233191

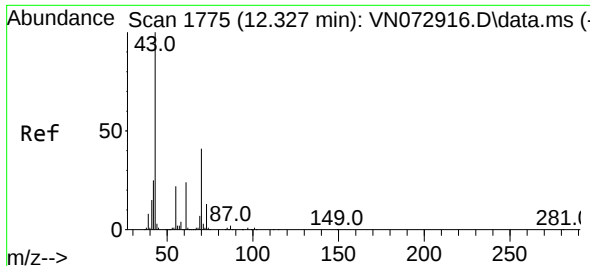
Ion Ratio Lower Upper

152 100

115 60.0 28.9 86.7

150 154.5 0.0 356.2

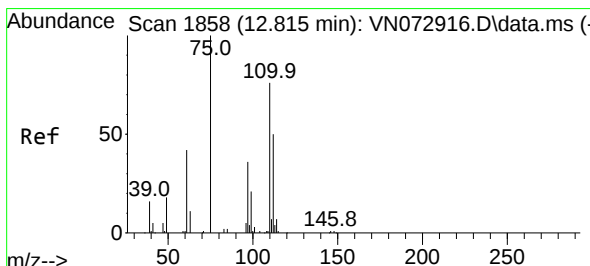
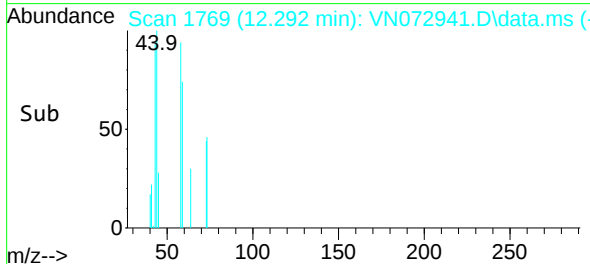
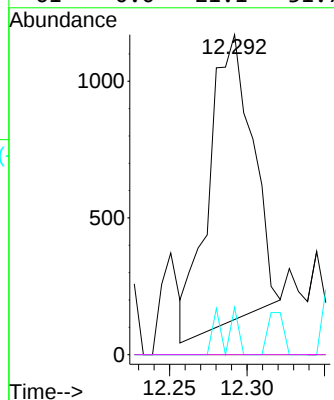
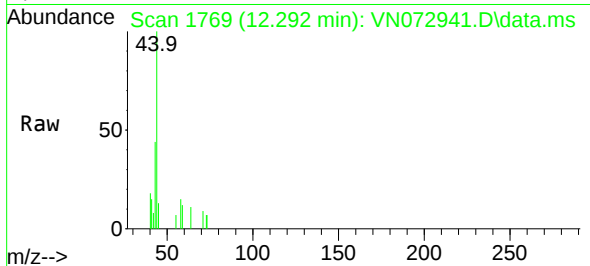




#74
N-amy1 acetate
Concen: 0.219 ug/l
RT: 12.292 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

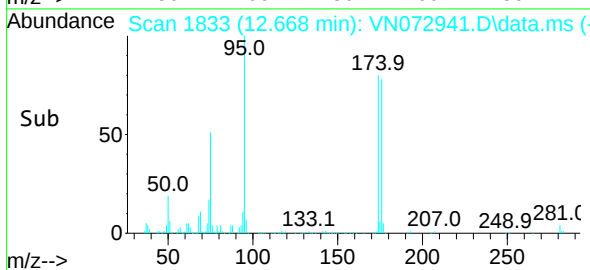
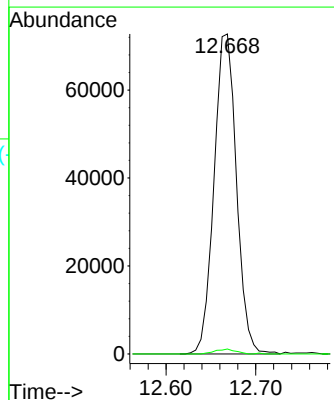
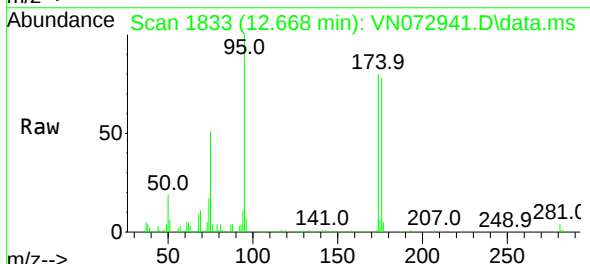
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-6-G

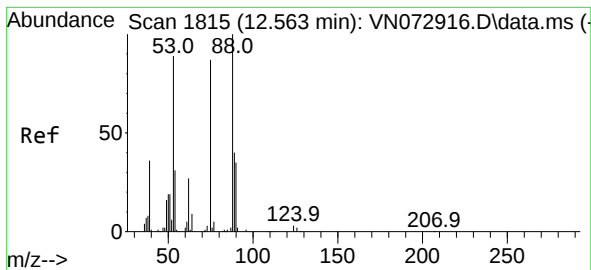
Tgt Ion: 43	Resp: 2050
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.4#
55	5.9 21.1 31.7#
61	0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 22.323 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN072941.D
Acq: 18 Jun 2022 15:45

Tgt Ion: 75	Resp: 126208
Ion Ratio	Lower Upper
75	100
77	1.4 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.286 ug/l
 RT: 12.668 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN072941.D
 Acq: 18 Jun 2022 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-6-G

Tgt Ion: 75 Resp: 126208
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

