

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
 Data File : VN073092.D
 Acq On : 24 Jun 2022 19:00
 Operator : JC\MD
 Sample : N3455-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

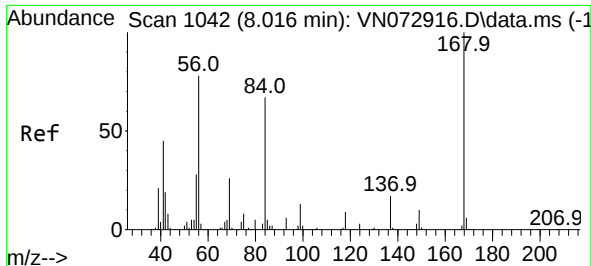
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-2-3-GR

Quant Time: Jun 24 23:40:51 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	290276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	468433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	433063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	211587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	179557	45.753	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.500%		
35) Dibromofluoromethane	7.951	113	149013	51.466	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.940%		
50) Toluene-d8	10.381	98	498695	46.289	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.580%		
62) 4-Bromofluorobenzene	12.669	95	213254	55.047	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.100%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	489	0.732	ug/l #	43
11) Tert butyl alcohol	5.304	59	663	0.654	ug/l #	72
13) Acrolein	3.981	56	584	1.463	ug/l	92
16) Acetone	4.234	43	82124	38.069	ug/l	95
18) Methyl Acetate	4.804	43	5046	0.878	ug/l #	79
20) Methylene Chloride	5.010	84	147026	43.910	ug/l	89
25) 2-Butanone	7.263	43	19147	5.593	ug/l #	87
26) 2,2-Dichloropropane	7.251	77	68	Below Cal	#	53
29) Tetrahydrofuran	7.640	42	1296	0.573	ug/l #	49
31) Cyclohexane	8.016	56	6790	1.279	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	23151	5.909	ug/l #	49
37) Ethyl Acetate	7.263	43	19147	3.055	ug/l #	67
38) Carbon Tetrachloride	8.022	117	28541	6.926	ug/l #	17
40) Benzene	8.392	78	10833	0.880	ug/l	99
41) Methacrylonitrile	7.622	41	689	0.232	ug/l #	26
43) Isopropyl Acetate	8.498	43	37041	4.135	ug/l #	86
45) 1,2-Dichloropropane	9.569	63	2704	0.859	ug/l #	44
48) Methyl methacrylate	9.487	41	13060	3.193	ug/l #	10
49) 1,4-Dioxane	9.563	88	209	2.271	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	9993	1.711	ug/l	96
52) Toluene	10.451	92	2620	0.347	ug/l	98
54) cis-1,3-Dichloropropene	10.181	75	52742	10.616	ug/l #	67
57) 1,3-Dichloropropane	11.028	76	28437	5.164	ug/l #	42
59) 2-Hexanone	11.028	43	455248	100.765	ug/l #	44
65) Chlorobenzene	11.710	112	5306	0.627	ug/l	89
68) m/p-Xylenes	11.892	106	1776	0.304	ug/l	90
74) N-amyl acetate	12.298	43	2699	0.318	ug/l #	40
76) 1,2,3-Trichloropropane	12.669	75	113266	22.080	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	113266	59.629	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.527	75	60	Below Cal	#	1

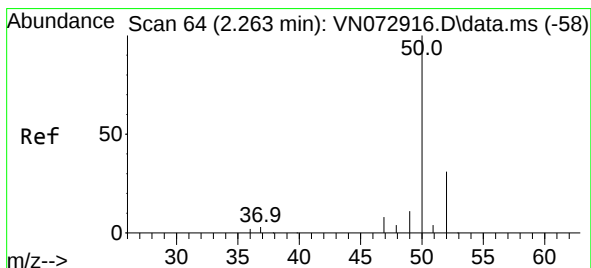
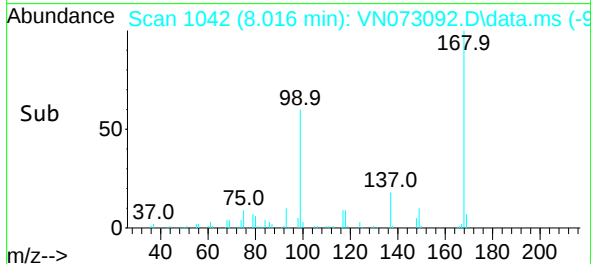
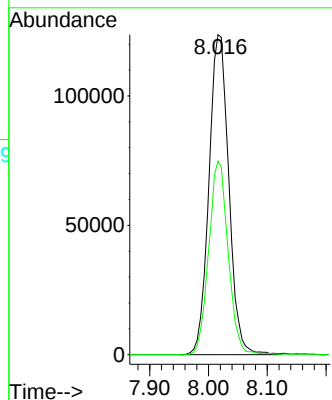
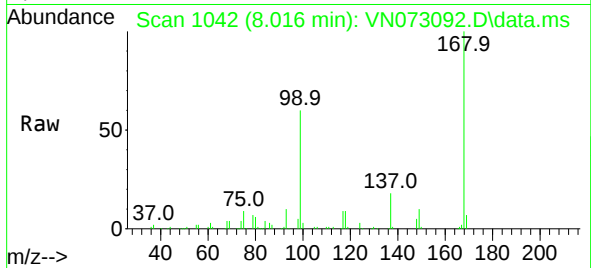
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

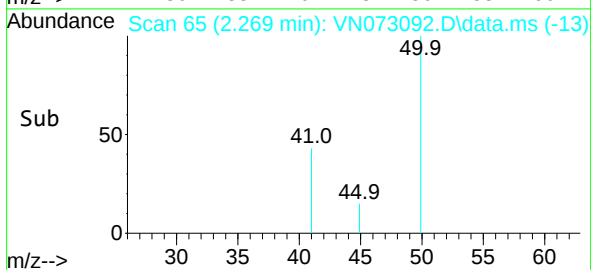
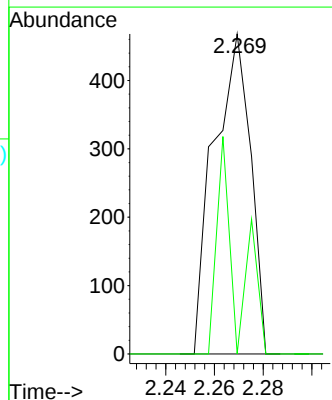
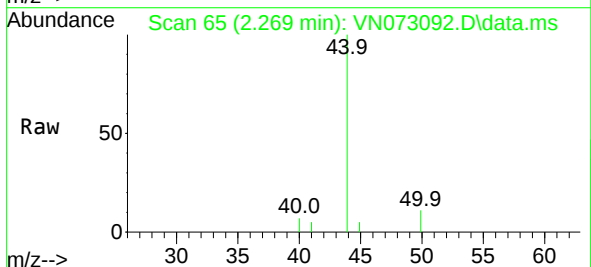
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-3-GR

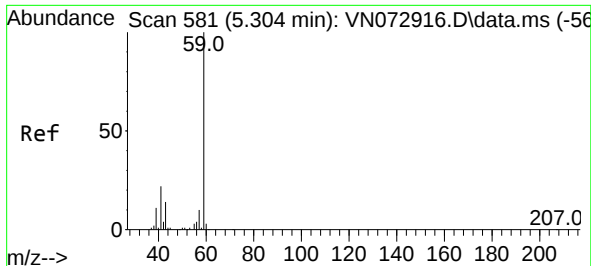
Tgt Ion:168 Resp: 290276
Ion Ratio Lower Upper
168 100
99 60.5 42.3 63.5



#3
Chloromethane
Concen: 0.732 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

Tgt Ion: 50 Resp: 489
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

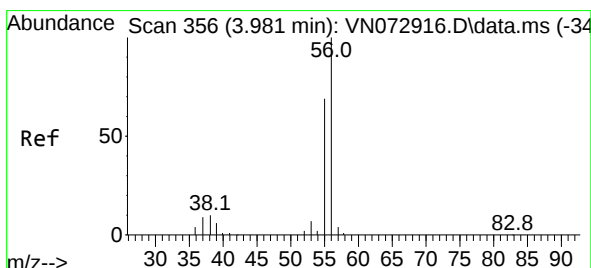
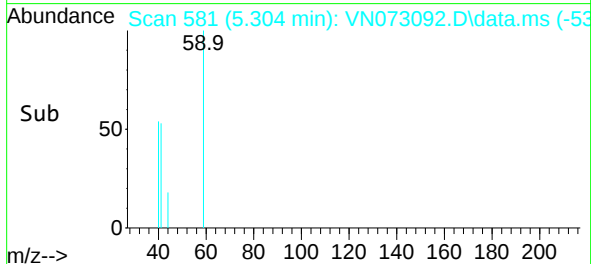
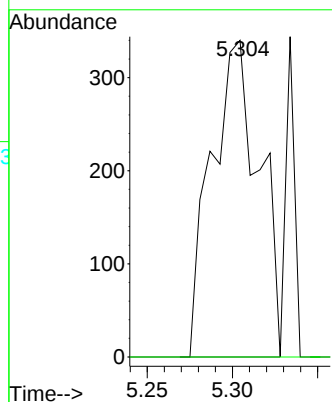
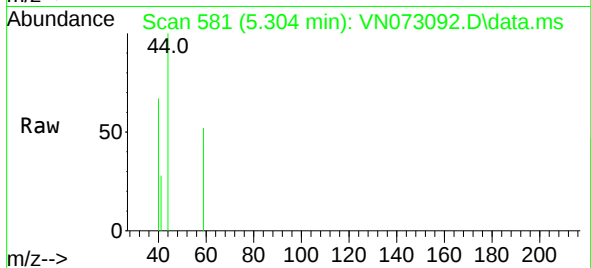




#11
Tert butyl alcohol
Concen: 0.654 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.000 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

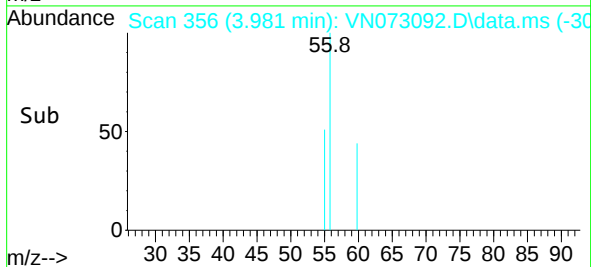
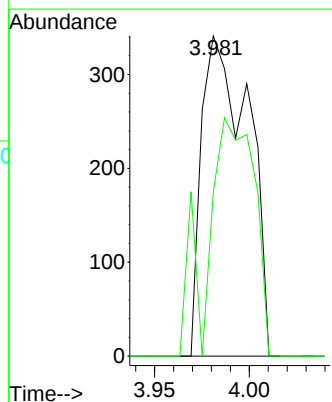
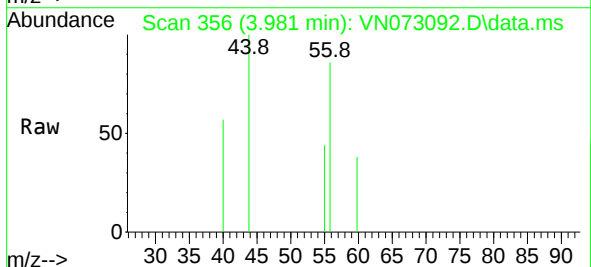
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-3-GR

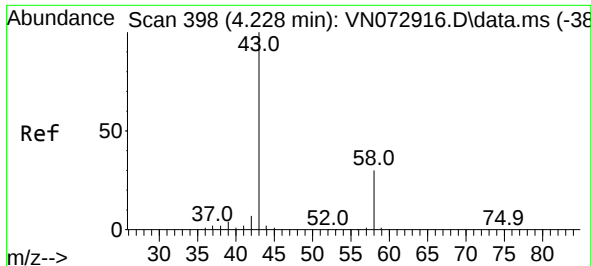
Tgt Ion: 59 Resp: 663
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 1.463 ug/l
RT: 3.981 min Scan# 356
Delta R.T. 0.000 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

Tgt Ion: 56 Resp: 584
Ion Ratio Lower Upper
56 100
55 75.2 54.8 82.2

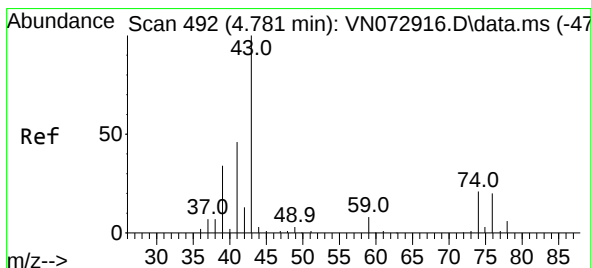
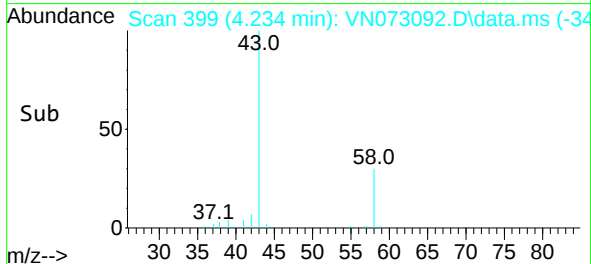
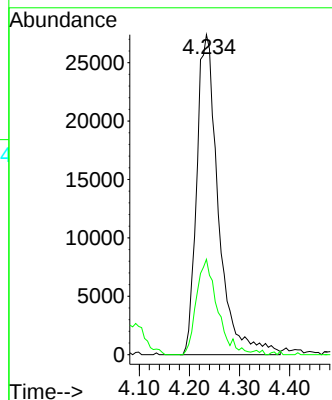
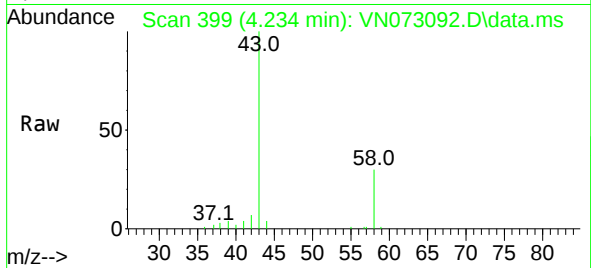




#16
Acetone
Concen: 38.069 ug/l
RT: 4.234 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

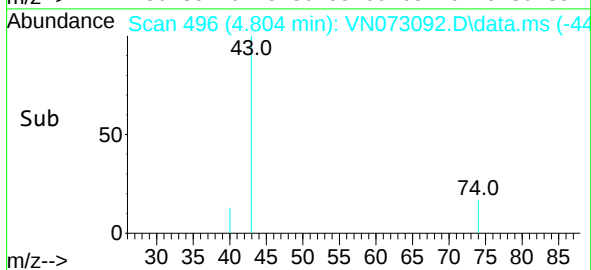
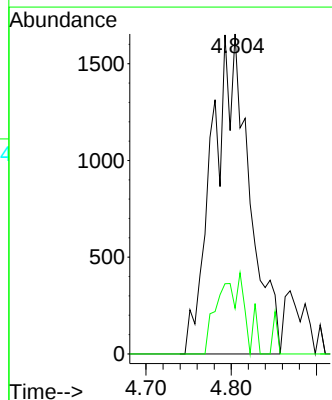
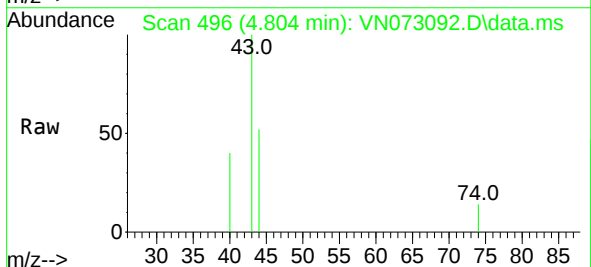
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-3-GR

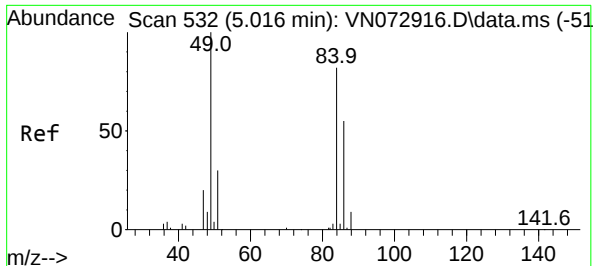
Tgt Ion: 43 Resp: 82124
Ion Ratio Lower Upper
43 100
58 29.8 26.0 39.0



#18
Methyl Acetate
Concen: 0.878 ug/l
RT: 4.804 min Scan# 496
Delta R.T. 0.024 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

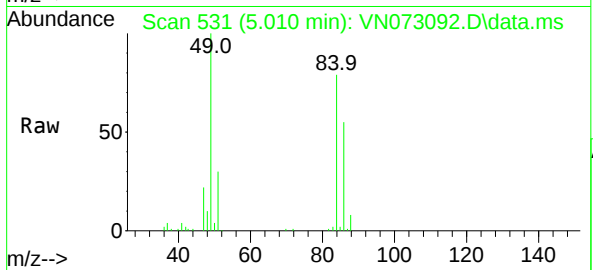
Tgt Ion: 43 Resp: 5046
Ion Ratio Lower Upper
43 100
74 16.3 21.6 32.4#





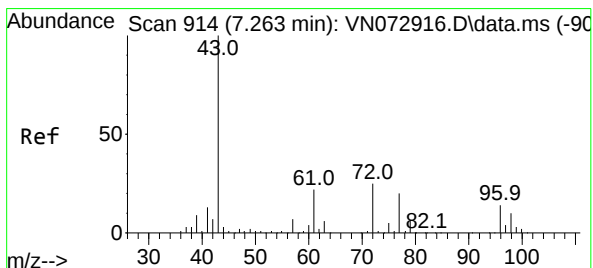
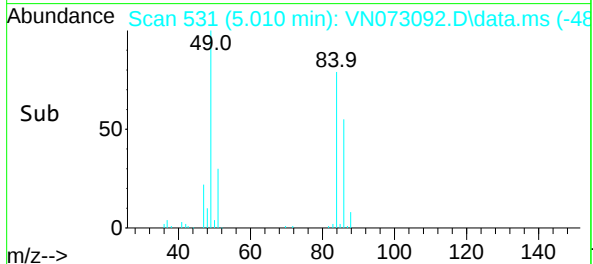
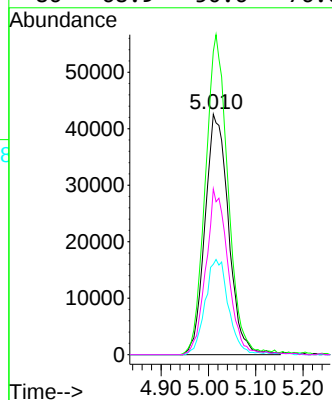
#20
Methylene Chloride
Concen: 43.910 ug/l
RT: 5.010 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-3-GR



Tgt Ion: 84 Resp: 147026

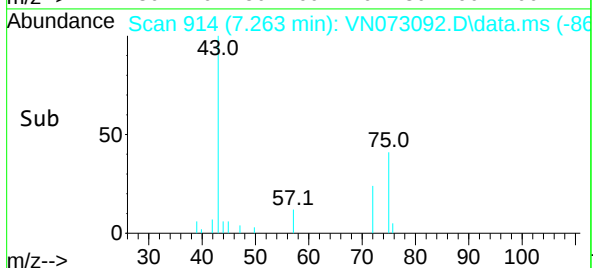
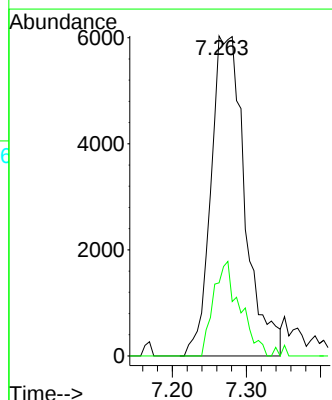
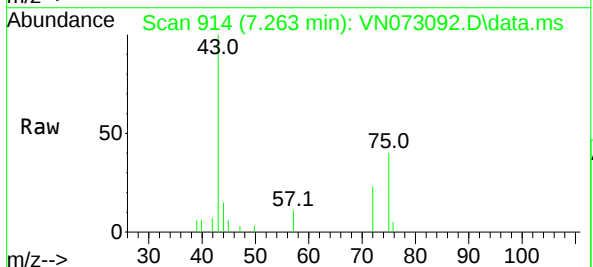
Ion	Ratio	Lower	Upper
84	100		
49	126.1	88.3	132.5
51	37.6	28.2	42.2
86	68.9	50.6	76.0

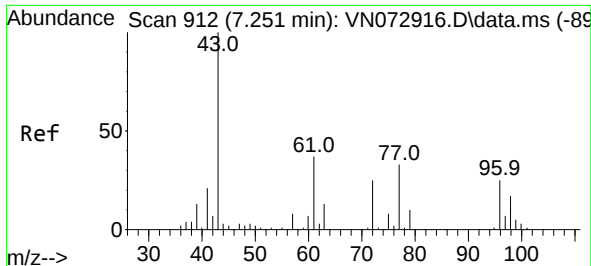


#25
2-Butanone
Concen: 5.593 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.000 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

Tgt Ion: 43 Resp: 19147

Ion	Ratio	Lower	Upper
43	100		
72	22.9	23.7	35.5

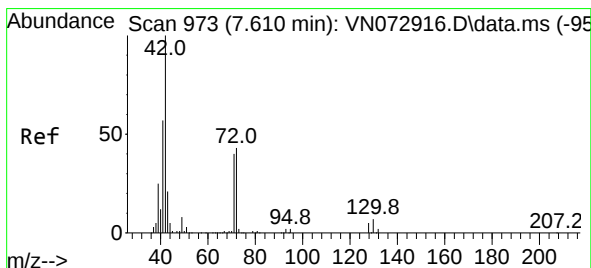
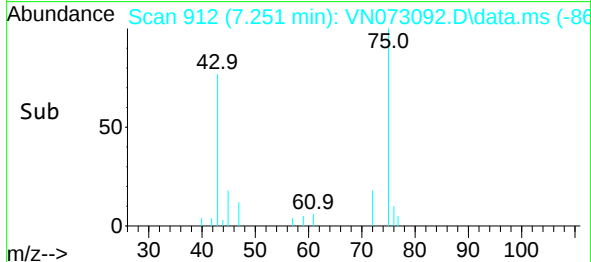
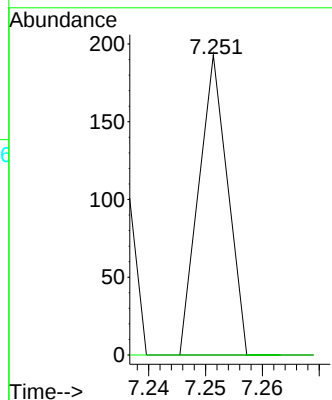
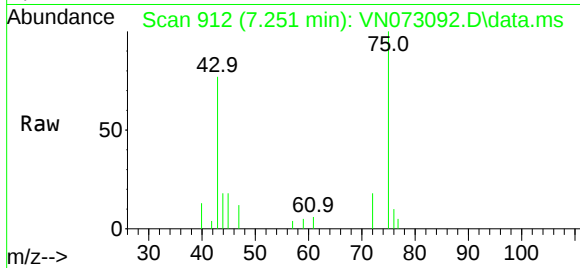




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.251 min Scan# 912
Delta R.T. 0.000 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

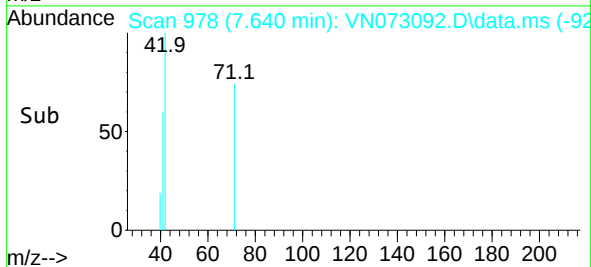
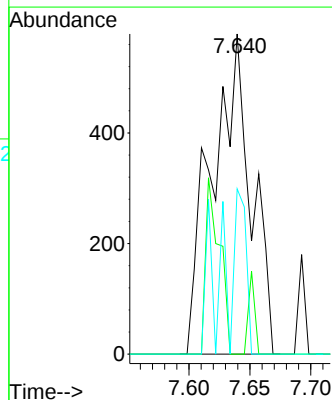
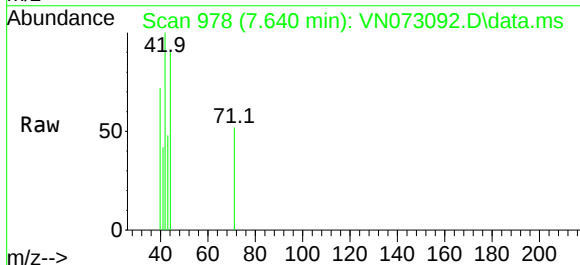
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-3-GR

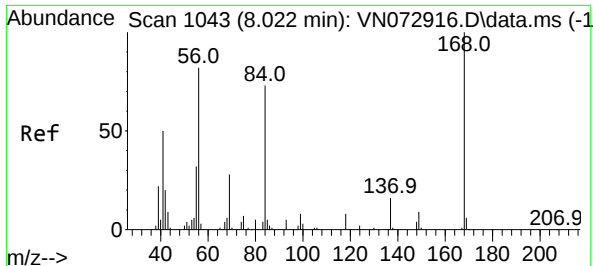
Tgt Ion: 77 Resp: 68
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.573 ug/l
RT: 7.640 min Scan# 978
Delta R.T. 0.030 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

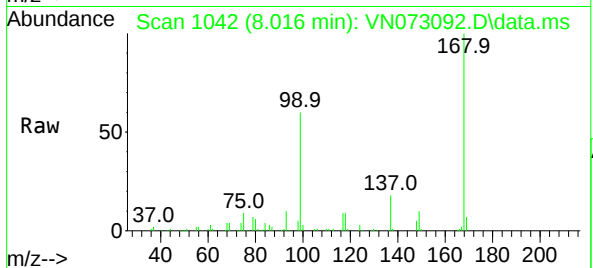
Tgt Ion: 42 Resp: 1296
Ion Ratio Lower Upper
42 100
72 4.1 39.7 59.5#
71 22.9 36.6 55.0#



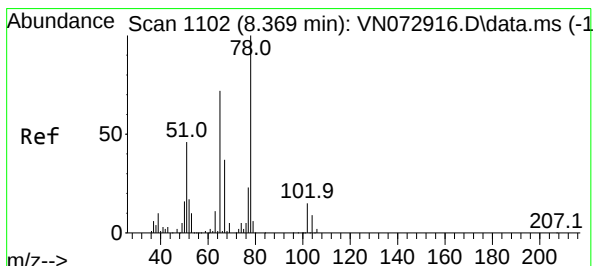
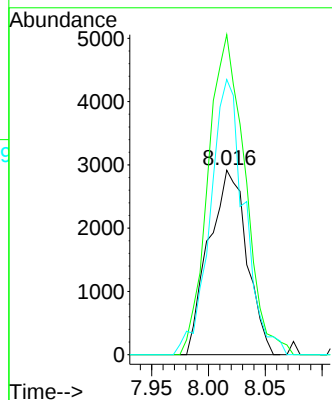
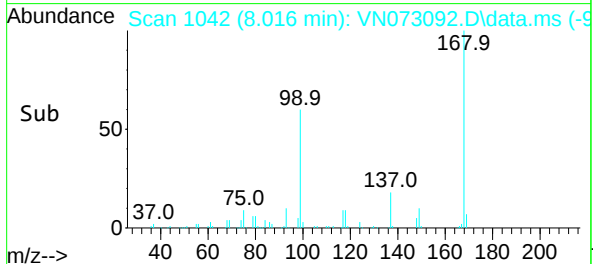


#31
Cyclohexane
Concen: 1.279 ug/l
RT: 8.016 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

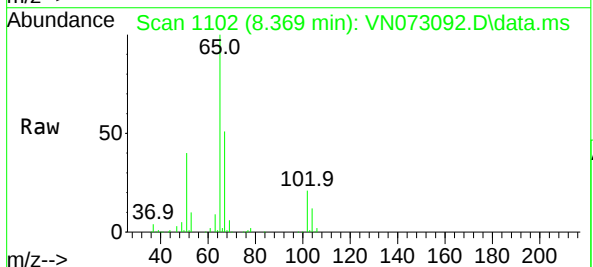
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MSVOA_N
ClientSampleId :
SP-EXC-2-3-GR



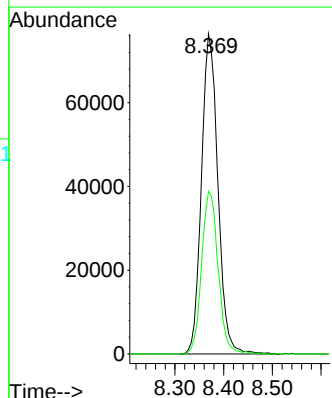
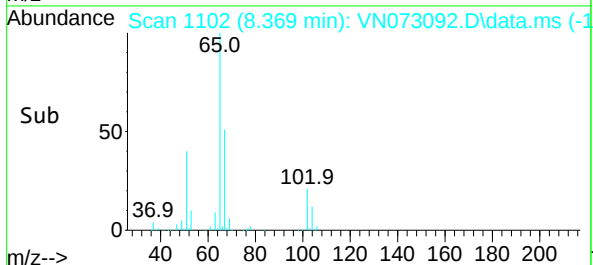
Tgt Ion: 56 Resp: 6790
Ion Ratio Lower Upper
56 100
69 173.5 27.8 41.8#
84 143.8 76.9 115.3#

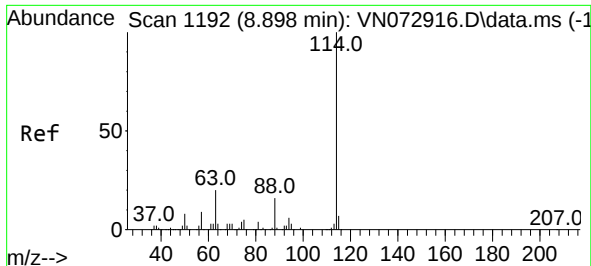


#33
1,2-Dichloroethane-d4
Concen: 45.753 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00



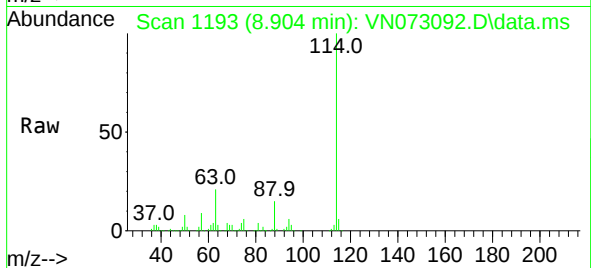
Tgt Ion: 65 Resp: 179557
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.8



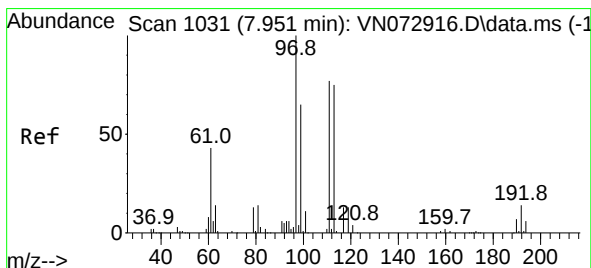
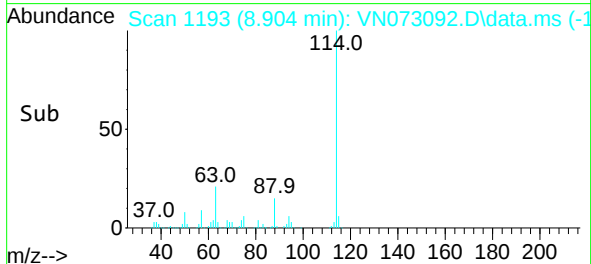
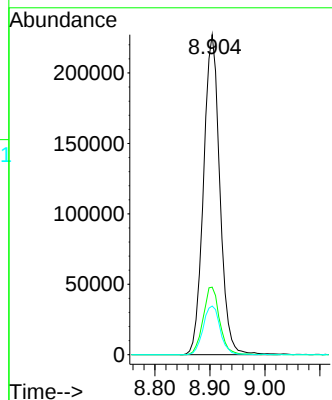


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-3-GR

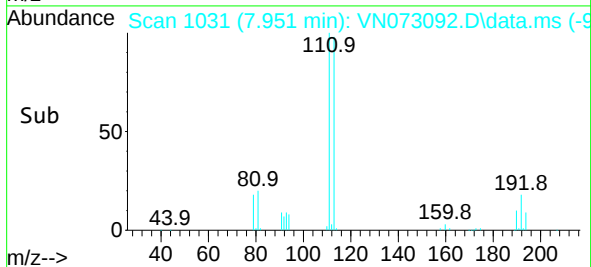
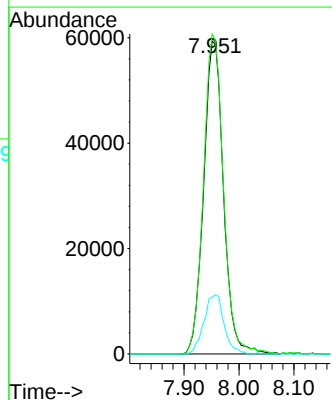
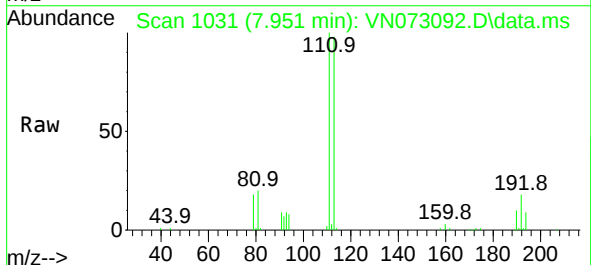


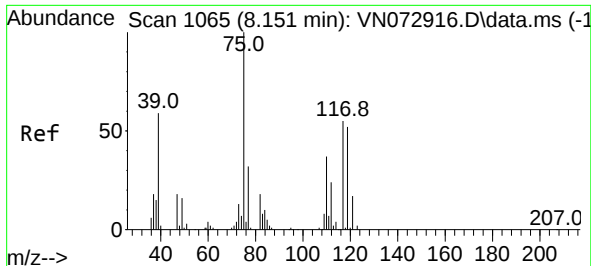
Tgt Ion:114 Resp: 468433
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.0
88 15.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.466 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

Tgt Ion:113 Resp: 149013
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 19.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.909 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN073092.D

Acq: 24 Jun 2022 19:00

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-2-3-GR

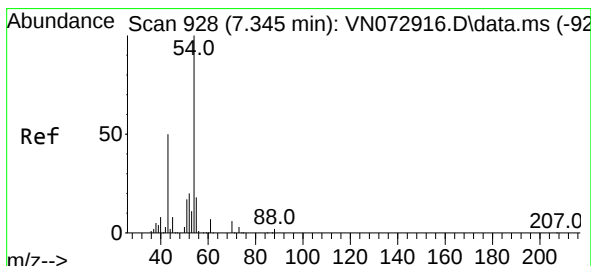
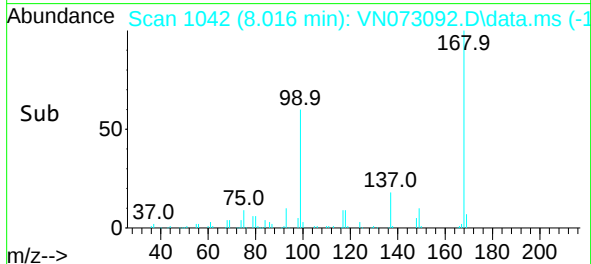
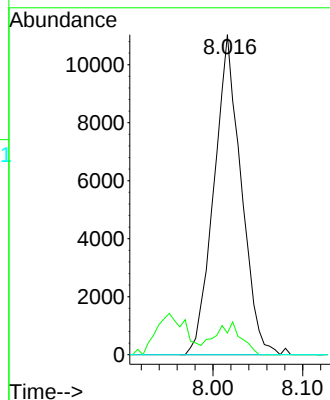
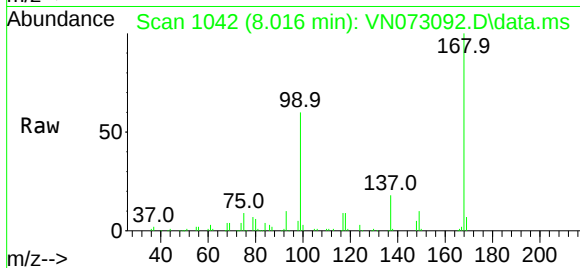
Tgt Ion: 75 Resp: 23151

Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 3.055 ug/l

RT: 7.263 min Scan# 914

Delta R.T. -0.082 min

Lab File: VN073092.D

Acq: 24 Jun 2022 19:00

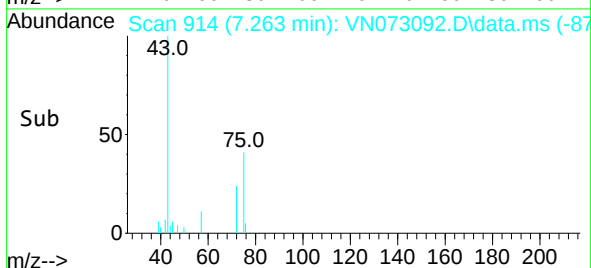
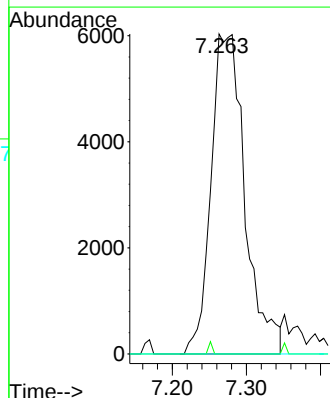
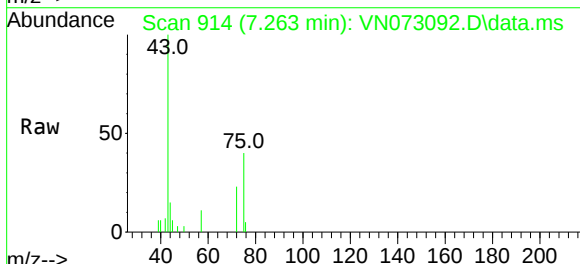
Tgt Ion: 43 Resp: 19147

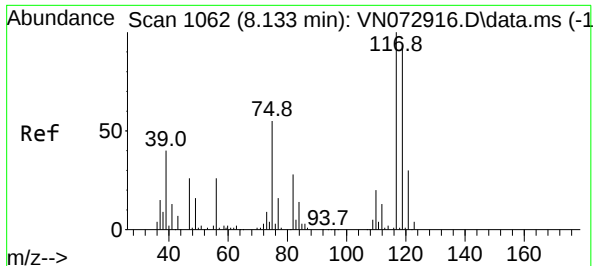
Ion Ratio Lower Upper

43 100

61 0.4 11.8 17.6#

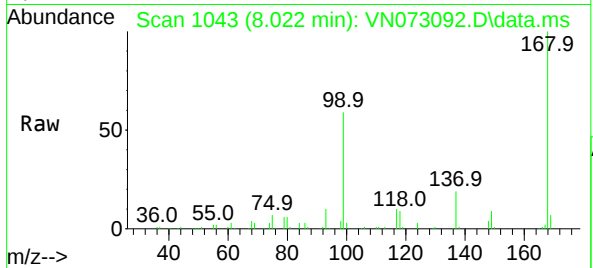
70 0.0 9.3 13.9#



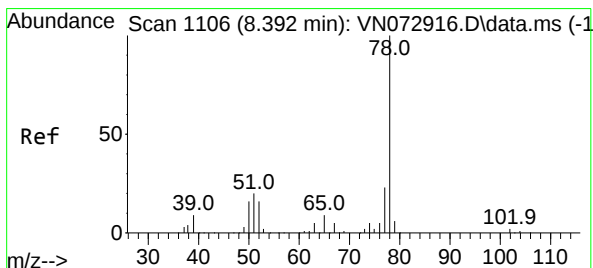
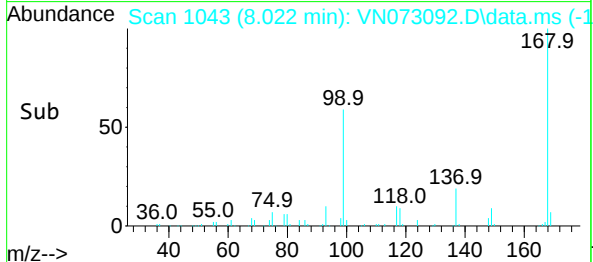
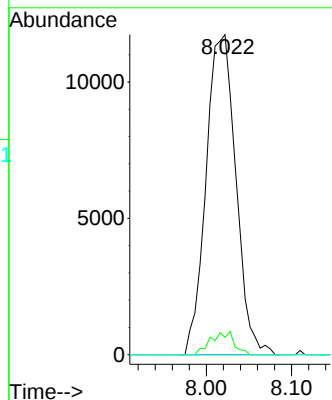


#38
Carbon Tetrachloride
Concen: 6.926 ug/l
RT: 8.022 min Scan# 1106
Delta R.T. -0.112 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-3-GR

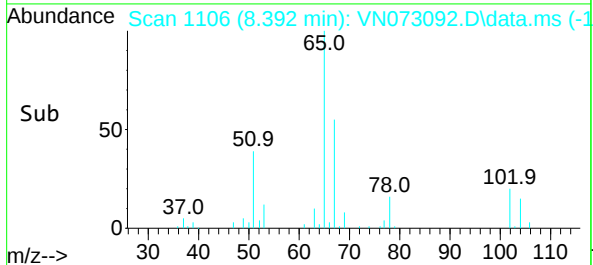
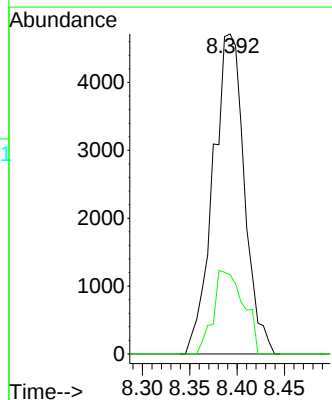
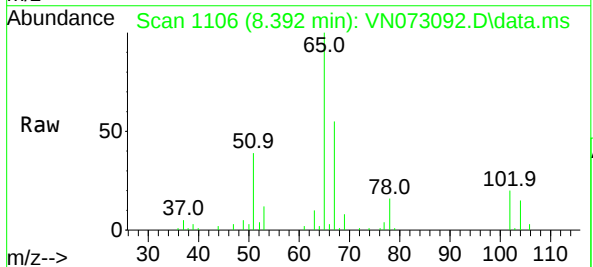


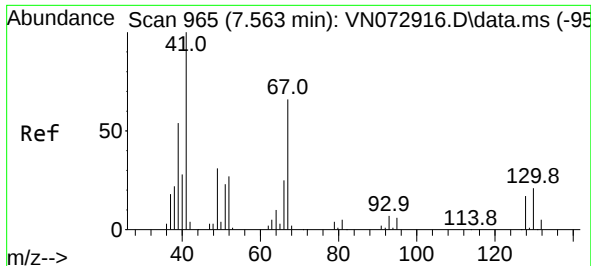
Tgt Ion:117 Resp: 28541
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.880 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

Tgt Ion: 78 Resp: 10833
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.0

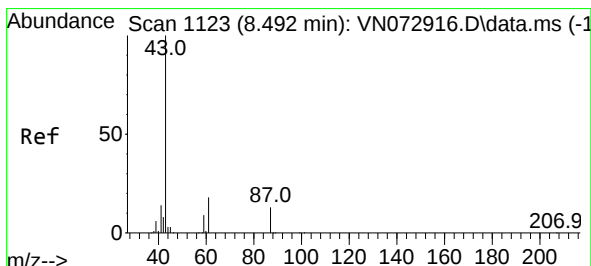
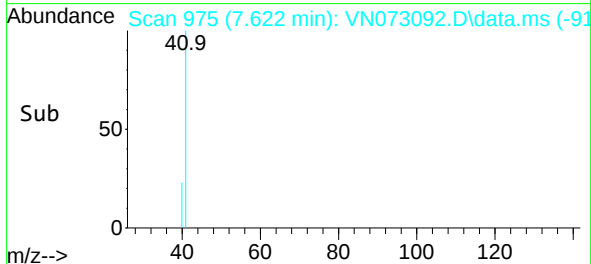
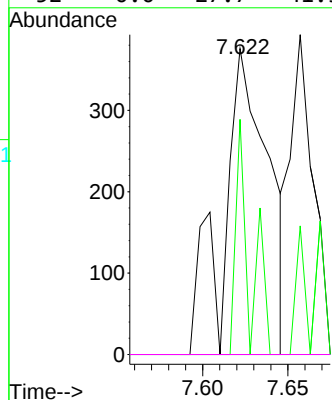
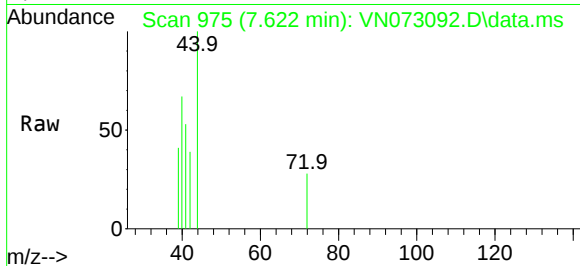




#41
Methacrylonitrile
Concen: 0.232 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

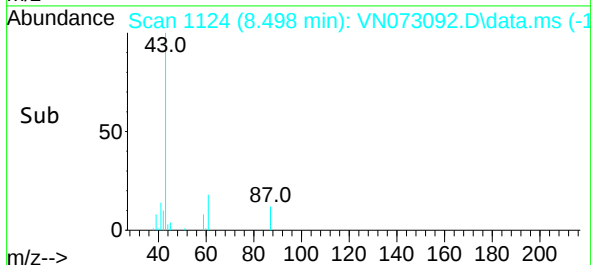
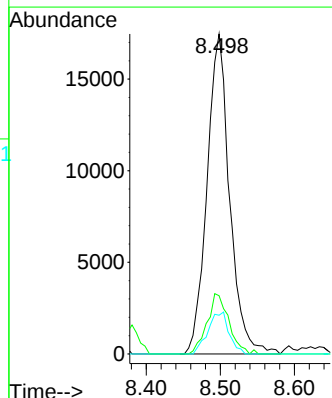
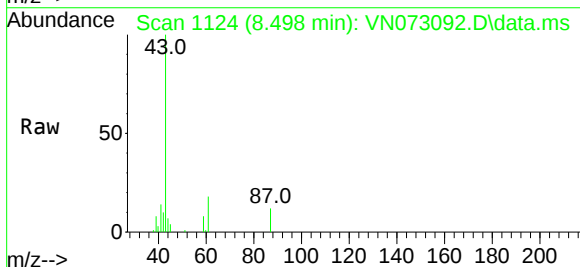
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-3-GR

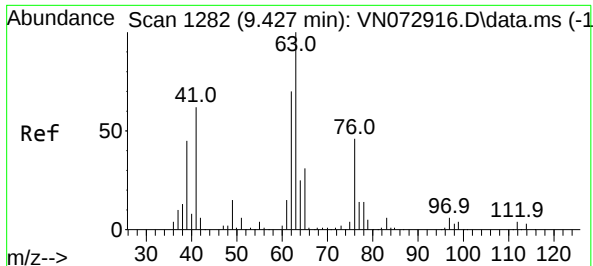
Tgt Ion: 41	Resp: 689
Ion Ratio	Lower Upper
41 100	
39 24.1	48.6 73.0#
67 0.0	73.4 110.2#
52 0.0	27.7 41.5#



#43
Isopropyl Acetate
Concen: 4.135 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

Tgt Ion: 43	Resp: 37041
Ion Ratio	Lower Upper
43 100	
61 18.1	21.9 32.9#
87 12.2	12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.859 ug/l

RT: 9.569 min Scan# 11

Delta R.T. 0.141 min

Lab File: VN073092.D

Acq: 24 Jun 2022 19:00

Instrument :

MSVOA_N

ClientSampleId :

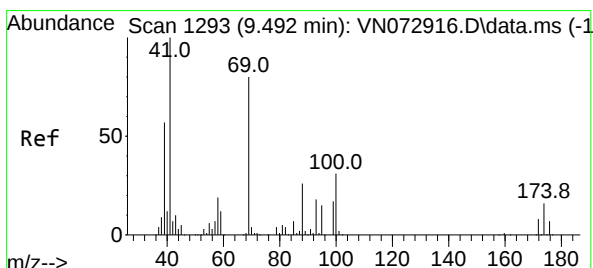
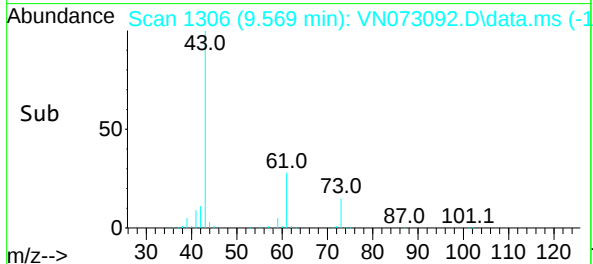
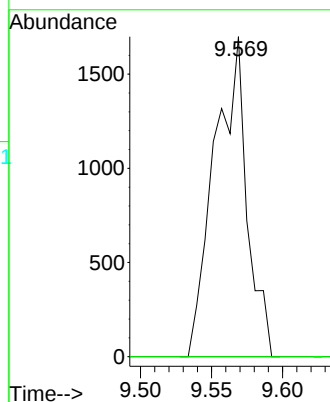
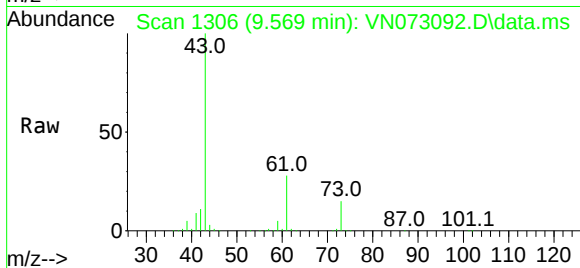
SP-EXC-2-3-GR

Tgt Ion: 63 Resp: 2704

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 3.193 ug/l

RT: 9.487 min Scan# 1292

Delta R.T. -0.006 min

Lab File: VN073092.D

Acq: 24 Jun 2022 19:00

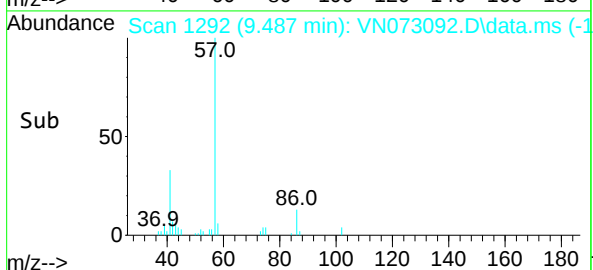
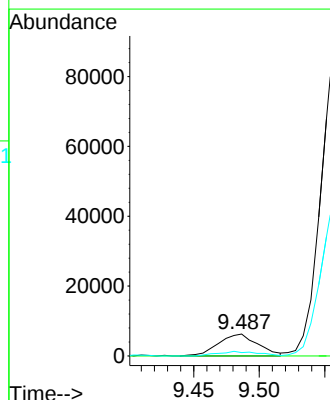
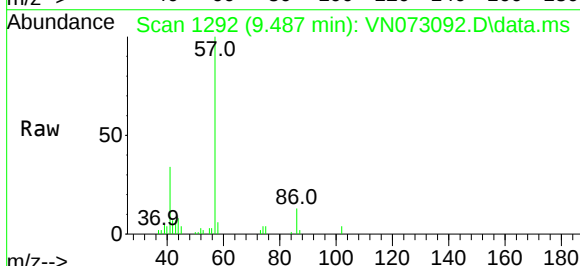
Tgt Ion: 41 Resp: 13060

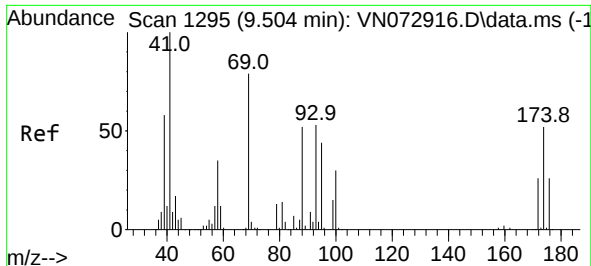
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: 2.271 ug/l

RT: 9.563 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN073092.D

Acq: 24 Jun 2022 19:00

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-2-3-GR

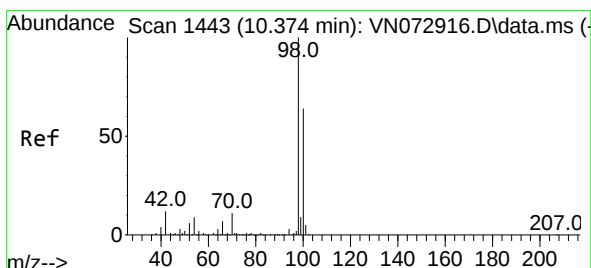
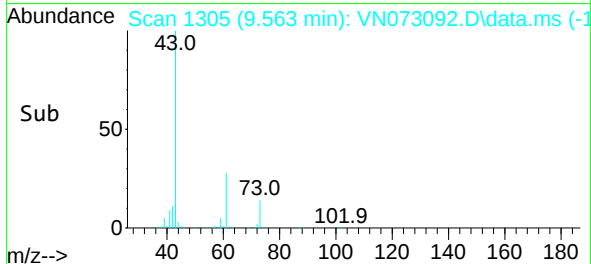
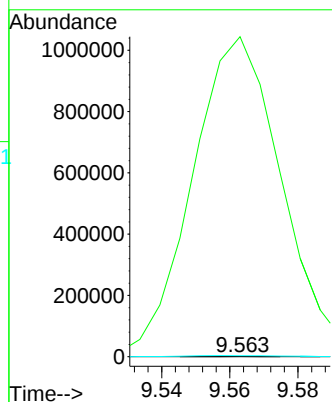
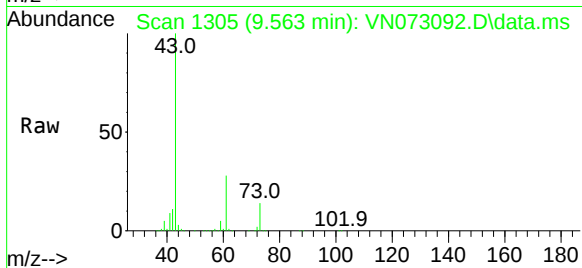
Tgt Ion: 88 Resp: 209

Ion Ratio Lower Upper

88 100

43 928370.3 20.2 30.4#

58 3608.1 54.2 81.4#



#50

Toluene-d8

Concen: 46.289 ug/l

RT: 10.381 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VN073092.D

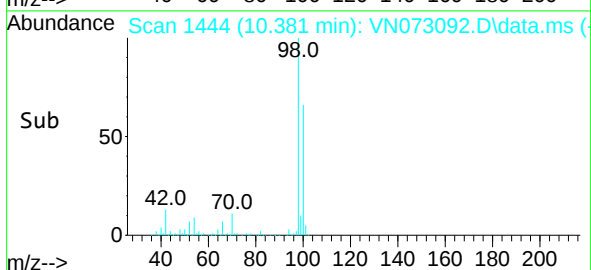
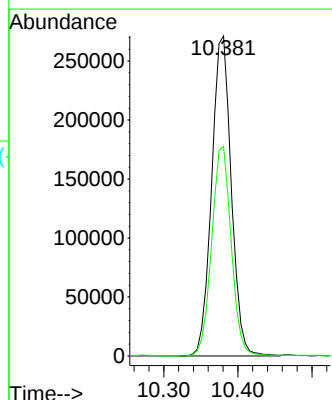
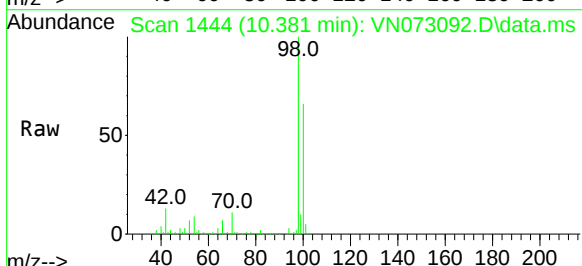
Acq: 24 Jun 2022 19:00

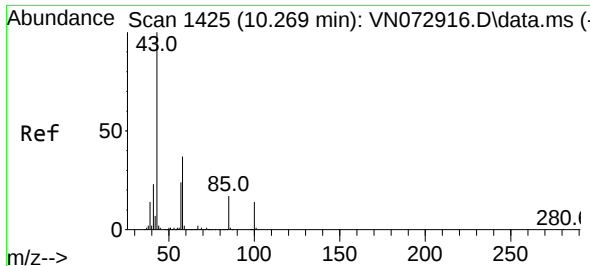
Tgt Ion: 98 Resp: 498695

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8

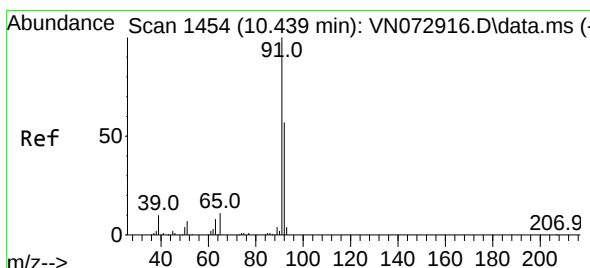
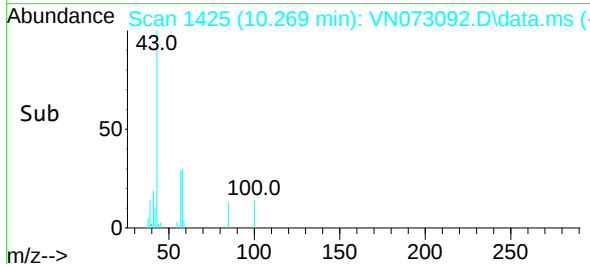
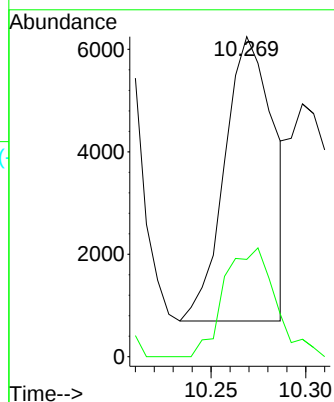
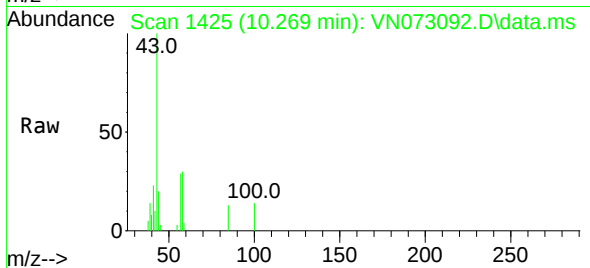




#51
4-Methyl-2-Pentanone
Concen: 1.711 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

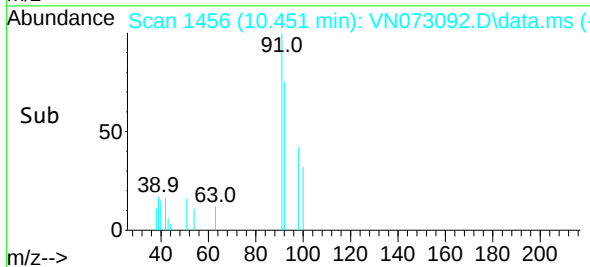
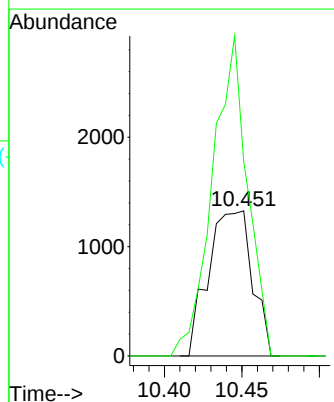
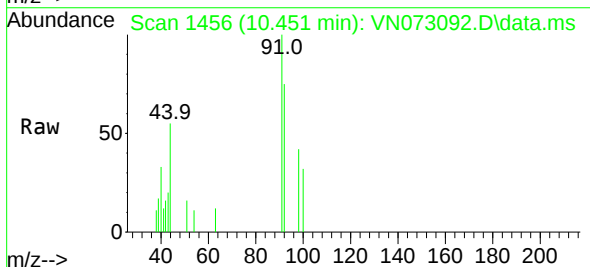
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-3-GR

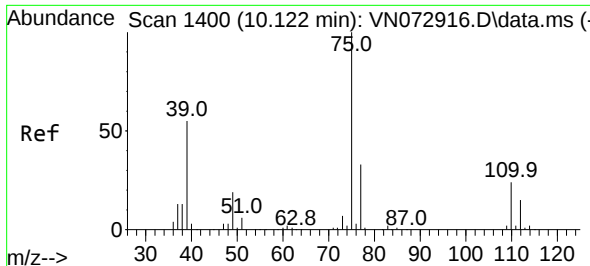
Tgt Ion: 43 Resp: 9993
Ion Ratio Lower Upper
43 100
58 40.1 34.1 51.1



#52
Toluene
Concen: 0.347 ug/l
RT: 10.451 min Scan# 1456
Delta R.T. 0.012 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

Tgt Ion: 92 Resp: 2620
Ion Ratio Lower Upper
92 100
91 175.7 138.6 207.8

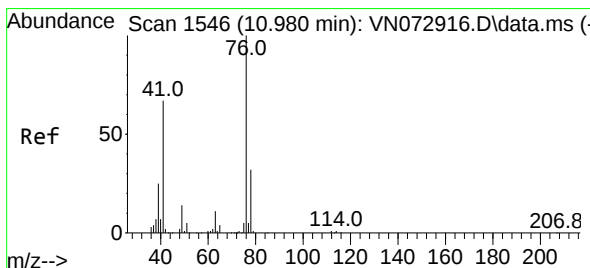
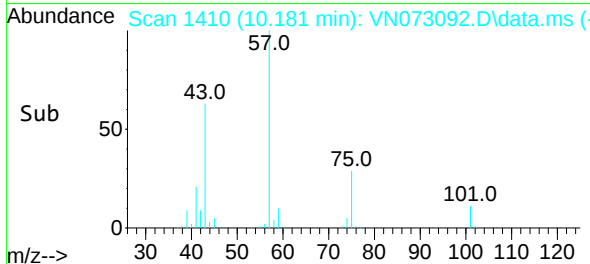
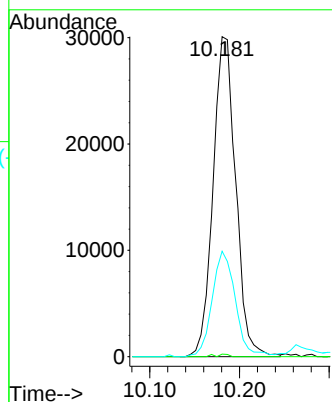
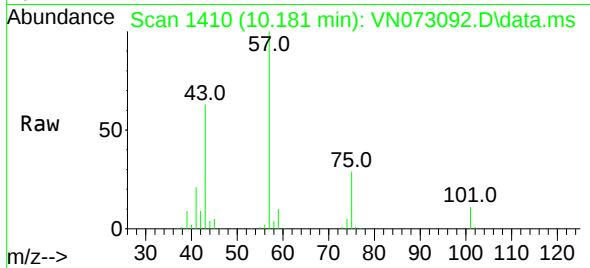




#54
 cis-1,3-Dichloropropene
 Concen: 10.616 ug/l
 RT: 10.181 min Scan# 1400
 Delta R.T. 0.059 min
 Lab File: VN073092.D
 Acq: 24 Jun 2022 19:00

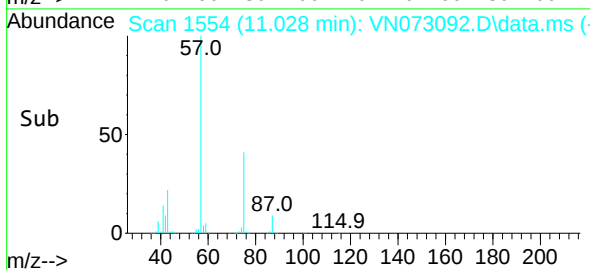
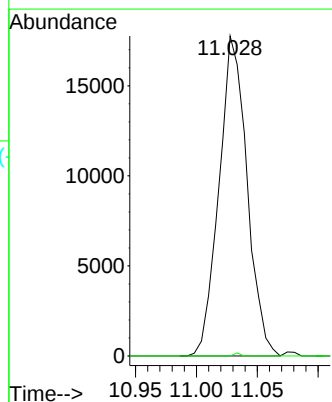
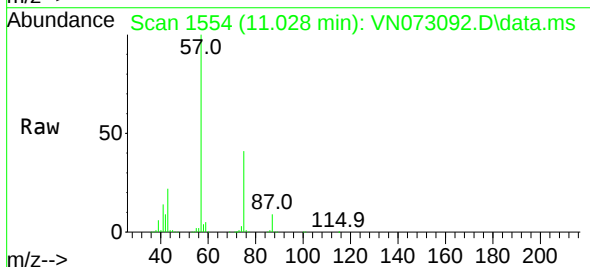
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-2-3-GR

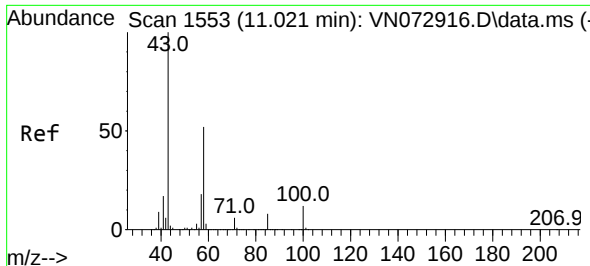
Tgt Ion: 75 Resp: 52742
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.2 37.8#
 39 33.0 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 5.164 ug/l
 RT: 11.028 min Scan# 1554
 Delta R.T. 0.047 min
 Lab File: VN073092.D
 Acq: 24 Jun 2022 19:00

Tgt Ion: 76 Resp: 28437
 Ion Ratio Lower Upper
 76 100
 78 0.2 26.2 39.2#

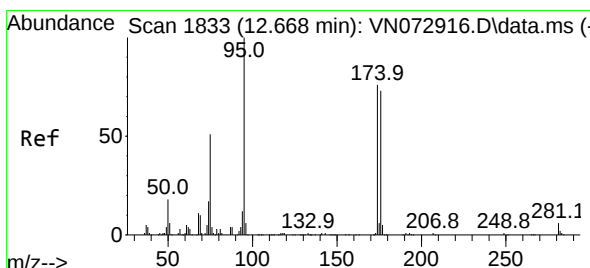
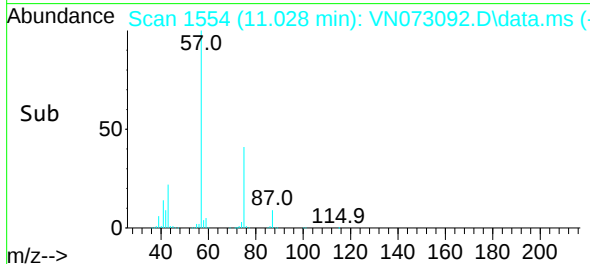
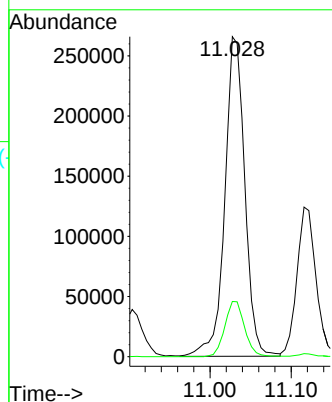
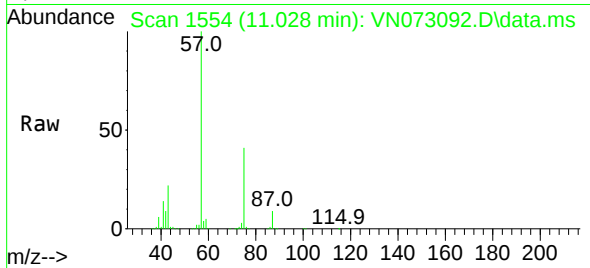




#59
2-Hexanone
Concen: 100.765 ug/l
RT: 11.028 min Scan# 1553
Delta R.T. 0.006 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

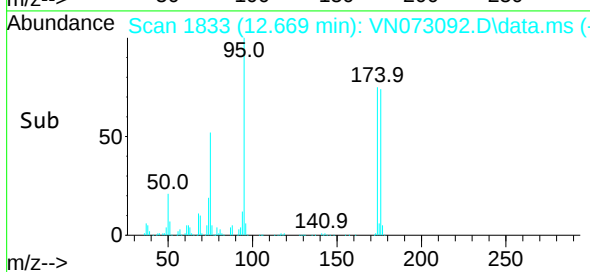
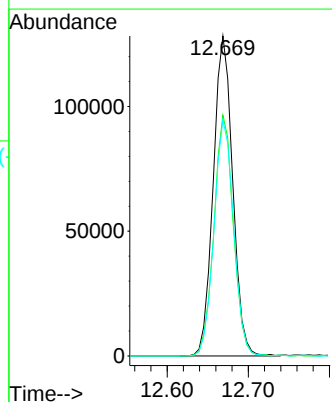
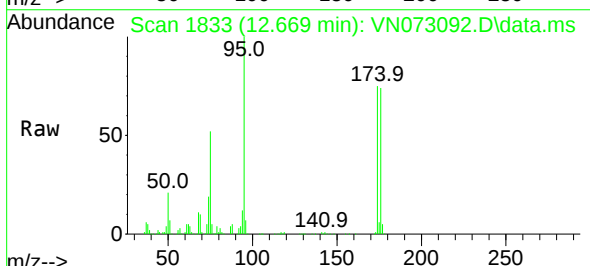
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-3-GR

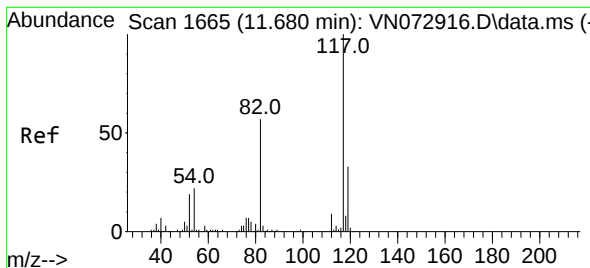
Tgt Ion: 43 Resp: 455248
Ion Ratio Lower Upper
43 100
58 17.2 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 55.047 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

Tgt Ion: 95 Resp: 213254
Ion Ratio Lower Upper
95 100
174 75.3 0.0 167.6
176 74.5 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073092.D

Acq: 24 Jun 2022 19:00

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-2-3-GR

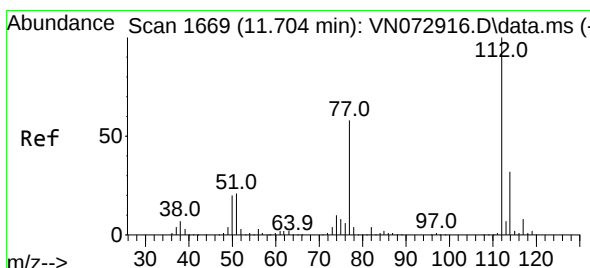
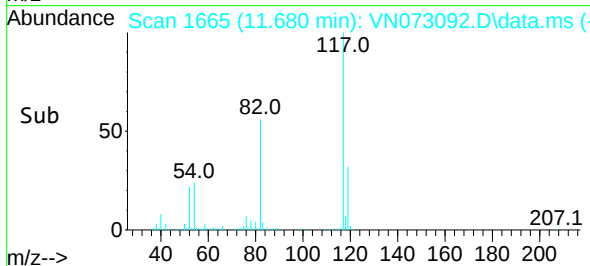
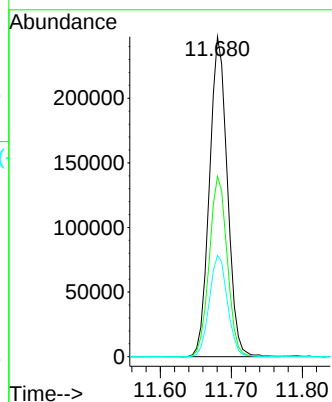
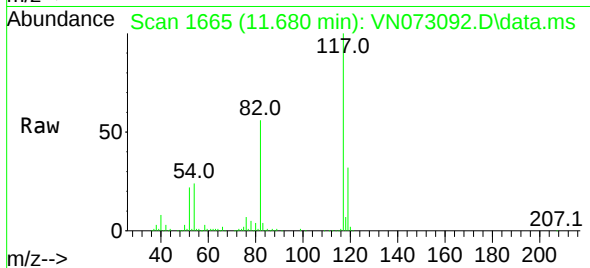
Tgt Ion:117 Resp: 433063

Ion Ratio Lower Upper

117 100

82 56.3 44.2 66.2

119 31.6 25.4 38.0



#65

Chlorobenzene

Concen: 0.627 ug/l

RT: 11.710 min Scan# 1670

Delta R.T. 0.006 min

Lab File: VN073092.D

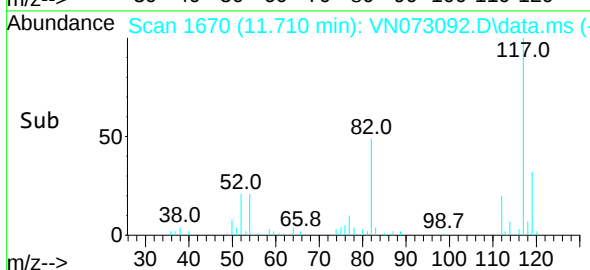
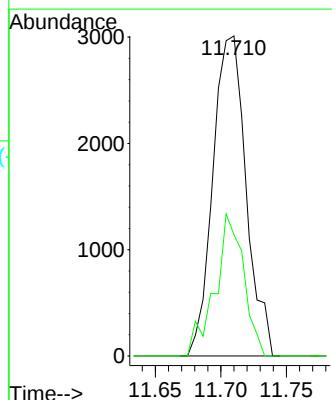
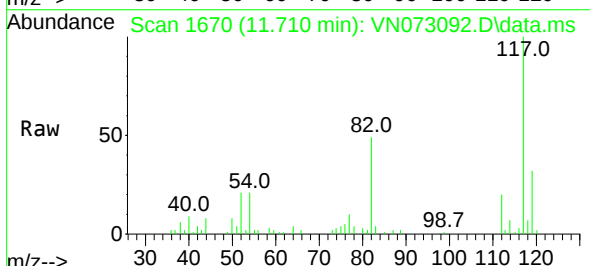
Acq: 24 Jun 2022 19:00

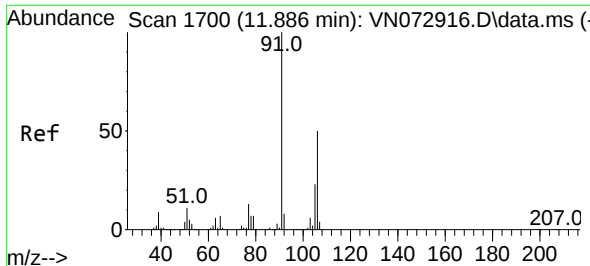
Tgt Ion:112 Resp: 5306

Ion Ratio Lower Upper

112 100

114 37.9 25.4 38.2

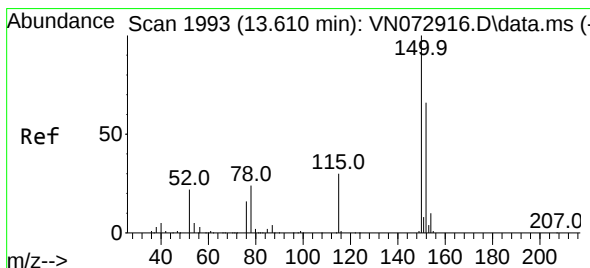
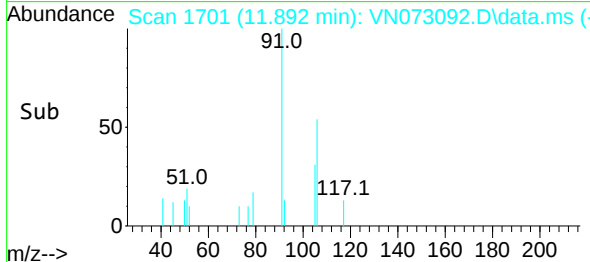
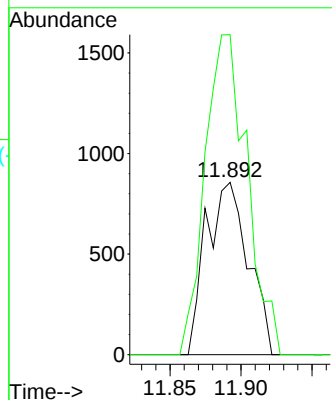
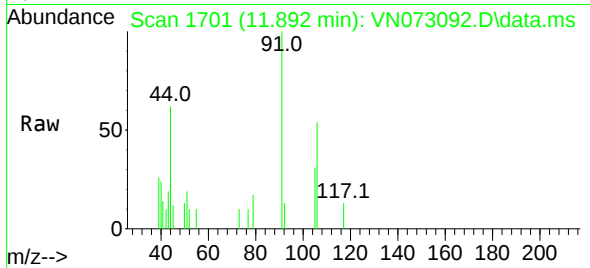




#68
m/p-Xylenes
Concen: 0.304 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

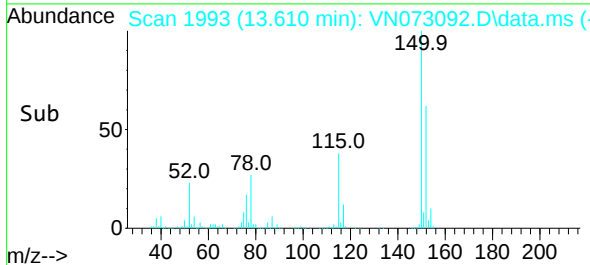
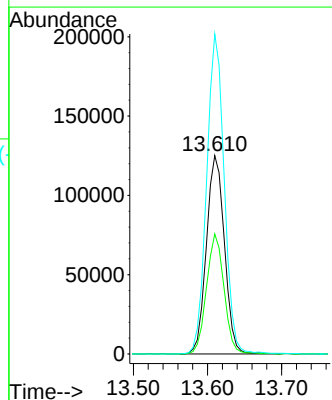
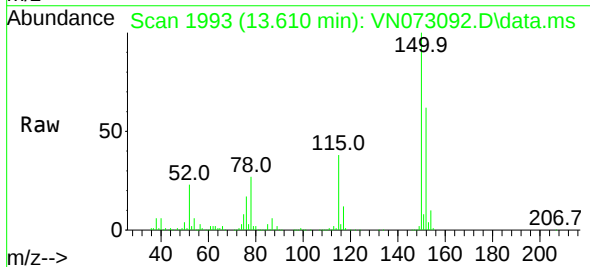
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-3-GR

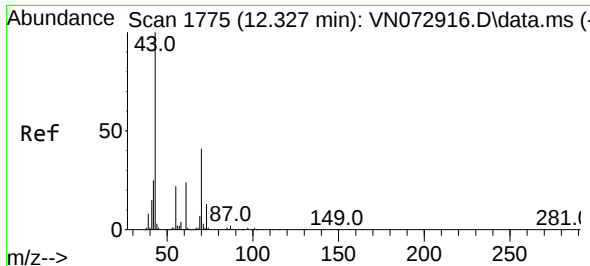
Tgt Ion:106 Resp: 1776
Ion Ratio Lower Upper
106 100
91 184.2 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

Tgt Ion:152 Resp: 211587
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.7
150 157.4 0.0 356.2

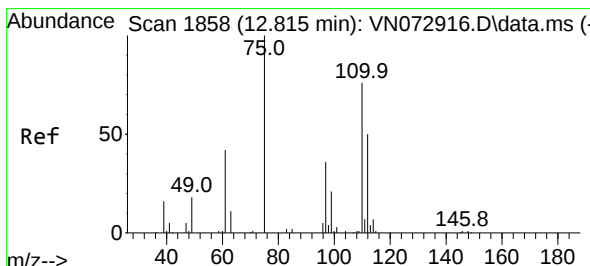
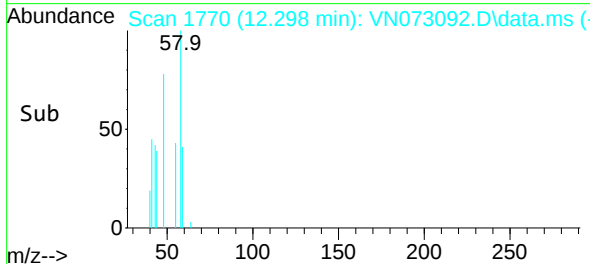
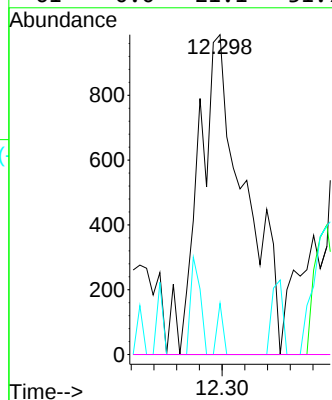
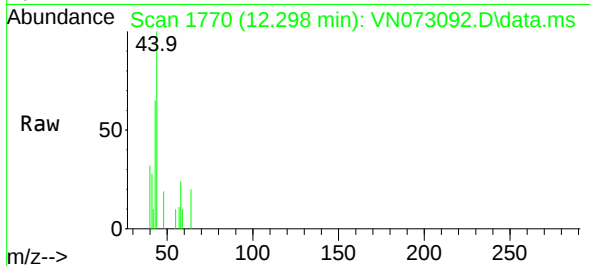




#74
N-amy1 acetate
Concen: 0.318 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

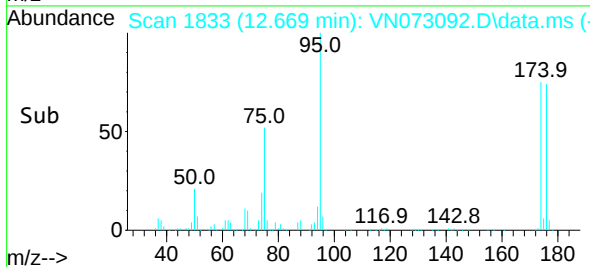
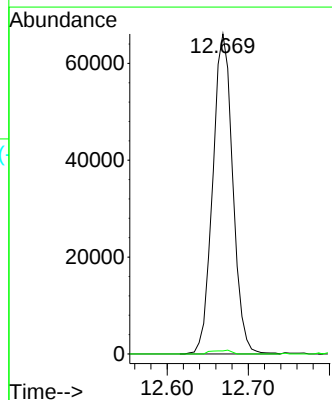
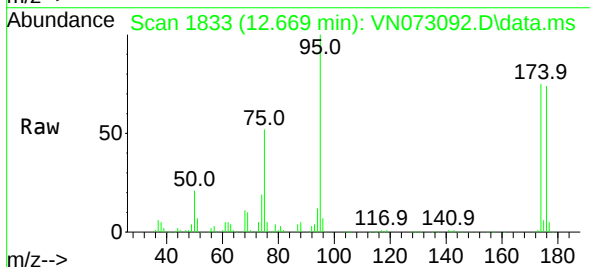
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-3-GR

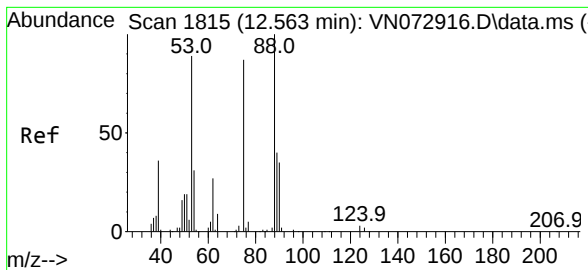
Tgt Ion: 43	Resp: 2699
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 2.1	21.1 31.7#
61 0.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 22.080 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073092.D
Acq: 24 Jun 2022 19:00

Tgt Ion: 75	Resp: 113266
Ion Ratio	Lower Upper
75 100	
77 1.1	98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.629 ug/l
 RT: 12.669 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073092.D
 Acq: 24 Jun 2022 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-2-3-GR

Tgt Ion: 75 Resp: 113266
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.1 37.2 55.8#

