

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062722\
 Data File : VN073159.D
 Acq On : 27 Jun 2022 14:00
 Operator : JC\MD
 Sample : N3494-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-1-4-GR

Quant Time: Jun 28 06:37:15 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)

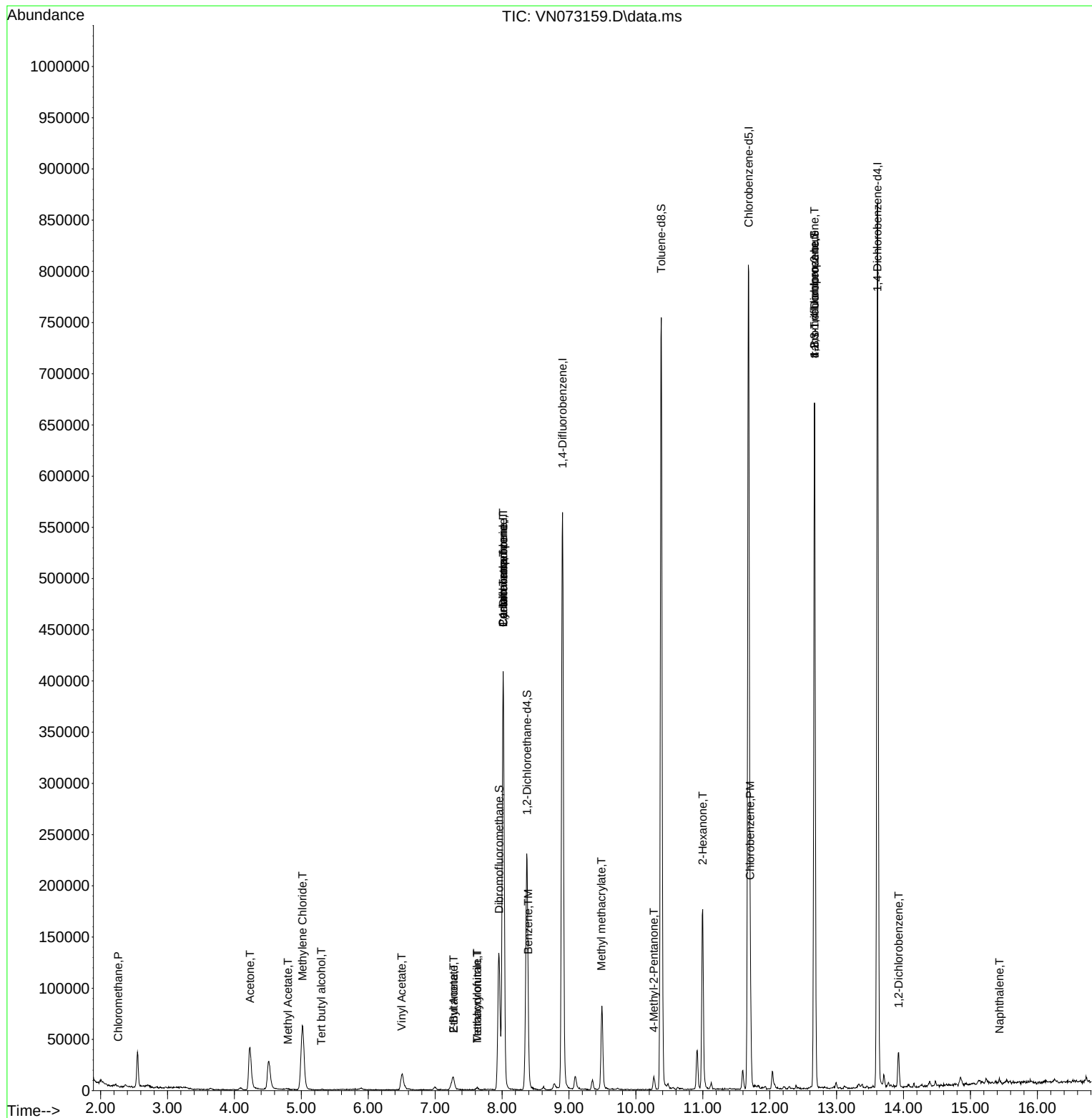
Internal Standards						
1) Pentafluorobenzene	8.016	168	305522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	498533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	459343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	227555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	188038	45.523	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.040%		
35) Dibromofluoromethane	7.957	113	98921	32.103	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	64.200%#		
50) Toluene-d8	10.380	98	521128	45.450	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.900%		
62) 4-Bromofluorobenzene	12.669	95	228157	55.338	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.680%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	529	0.737	ug/l #	43
11) Tert butyl alcohol	5.298	59	418	0.392	ug/l #	72
16) Acetone	4.234	43	79763	35.129	ug/l	99
18) Methyl Acetate	4.798	43	2088	0.345	ug/l #	53
20) Methylene Chloride	5.016	84	51392	14.420	ug/l	89
23) Vinyl Acetate	6.498	43	3095	0.288	ug/l #	68
25) 2-Butanone	7.275	43	19720	5.473	ug/l	91
26) 2,2-Dichloropropane	7.228	77	125	Below Cal	#	53
29) Tetrahydrofuran	7.628	42	1736	0.730	ug/l #	65
31) Cyclohexane	8.016	56	7165	1.282	ug/l #	36
36) 1,1-Dichloropropene	8.016	75	24844	5.959	ug/l #	49
37) Ethyl Acetate	7.275	43	19720	2.957	ug/l #	67
38) Carbon Tetrachloride	8.016	117	31142	7.101	ug/l #	16
40) Benzene	8.392	78	2860	0.218	ug/l	96
41) Methacrylonitrile	7.628	41	994	0.314	ug/l #	24
48) Methyl methacrylate	9.486	41	7384	1.696	ug/l #	38
51) 4-Methyl-2-Pentanone	10.269	43	9781	1.573	ug/l #	86
59) 2-Hexanone	10.998	43	149906	31.177	ug/l #	21
65) Chlorobenzene	11.710	112	52730	5.878	ug/l	97
76) 1,2,3-Trichloropropane	12.669	75	119901	21.733	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	119901	58.692	ug/l #	10
91) 1,2-Dichlorobenzene	13.927	146	13762	1.753	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	54	Below Cal	#	1
95) Naphthalene	15.433	128	3700	0.210	ug/l #	90

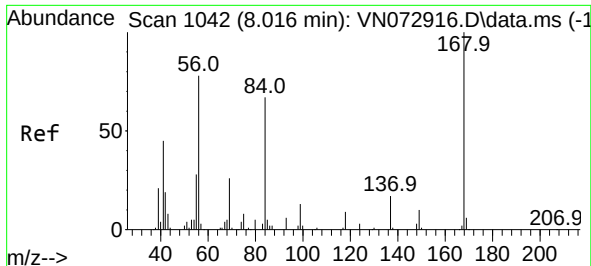
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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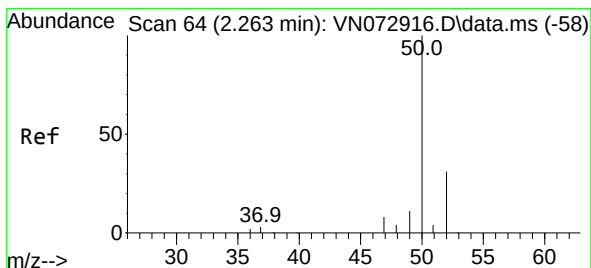
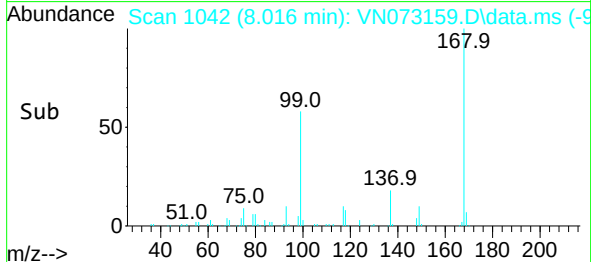
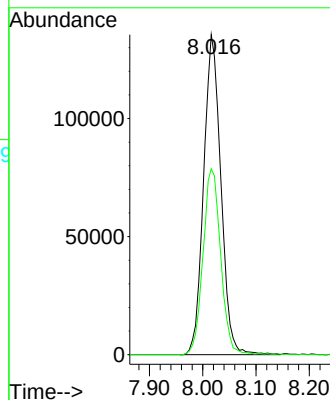
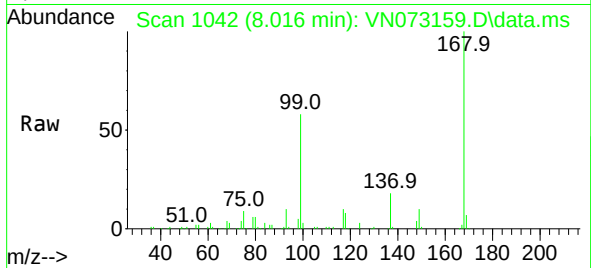




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

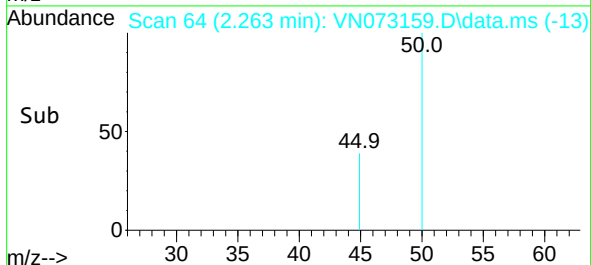
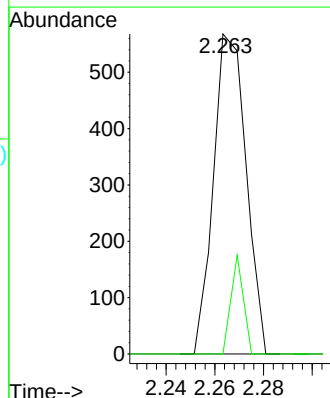
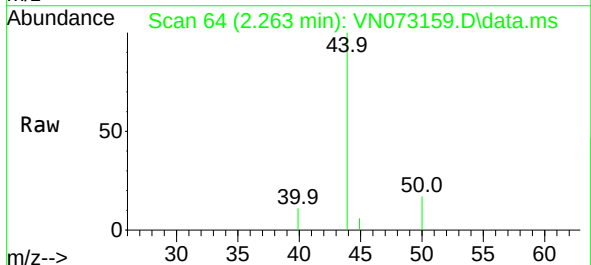
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GR

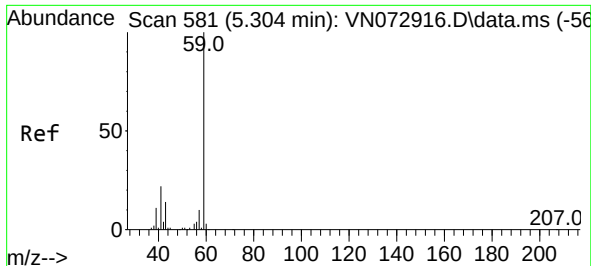
Tgt Ion:168 Resp: 305522
Ion Ratio Lower Upper
168 100
99 58.1 42.3 63.5



#3
Chloromethane
Concen: 0.737 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

Tgt Ion: 50 Resp: 529
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#11

Tert butyl alcohol

Concen: 0.392 ug/l

RT: 5.298 min Scan# 581

Delta R.T. -0.006 min

Lab File: VN073159.D

Acq: 27 Jun 2022 14:00

Instrument :

MSVOA_N

ClientSampleId :

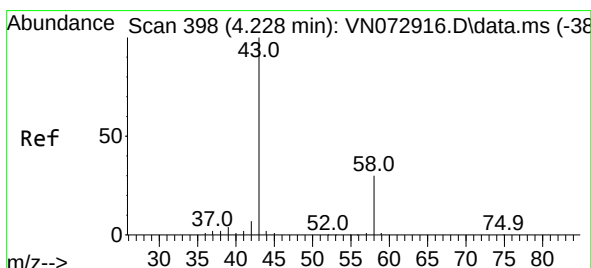
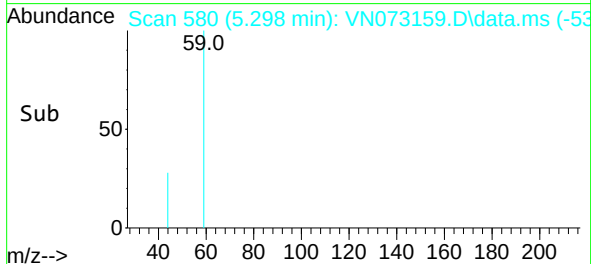
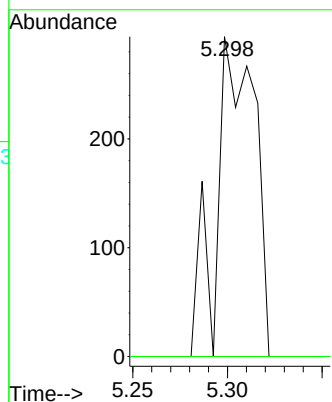
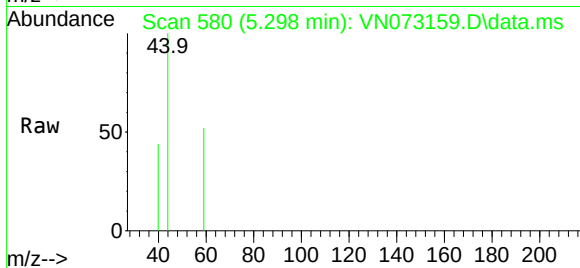
SP-EXC-1-4-GR

Tgt Ion: 59 Resp: 418

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 35.129 ug/l

RT: 4.234 min Scan# 399

Delta R.T. 0.006 min

Lab File: VN073159.D

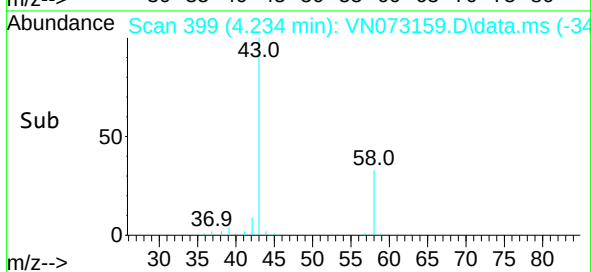
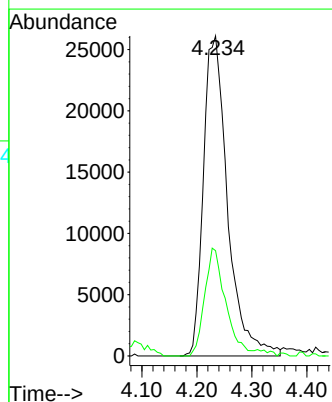
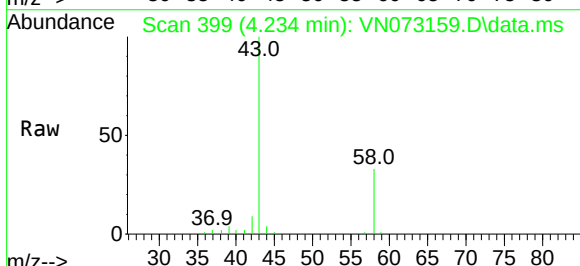
Acq: 27 Jun 2022 14:00

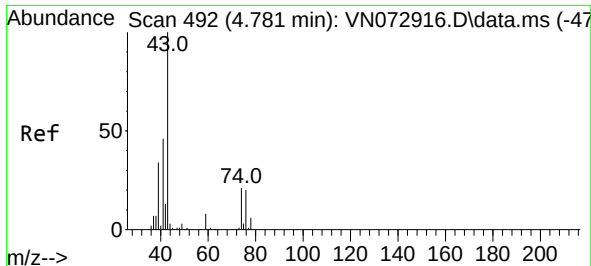
Tgt Ion: 43 Resp: 79763

Ion Ratio Lower Upper

43 100

58 32.9 26.0 39.0

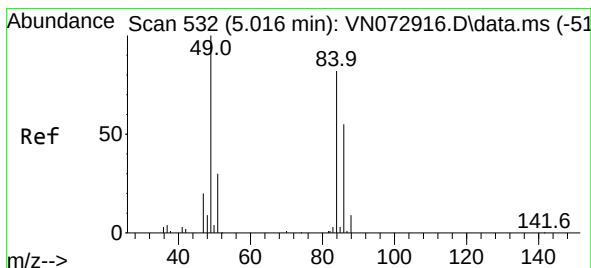
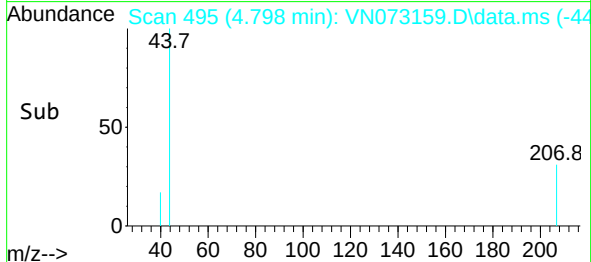
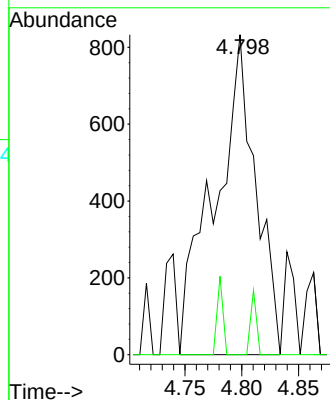
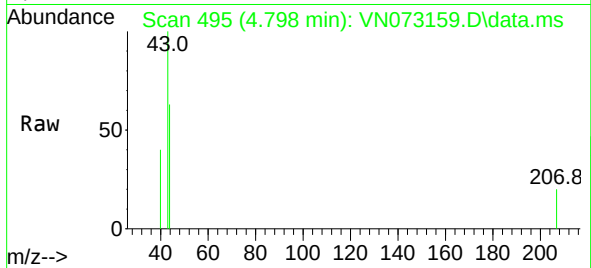




#18
Methyl Acetate
Concen: 0.345 ug/l
RT: 4.798 min Scan# 495
Delta R.T. 0.018 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

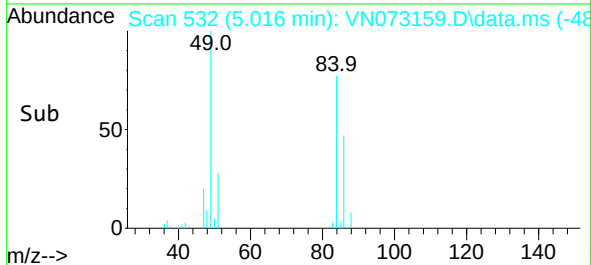
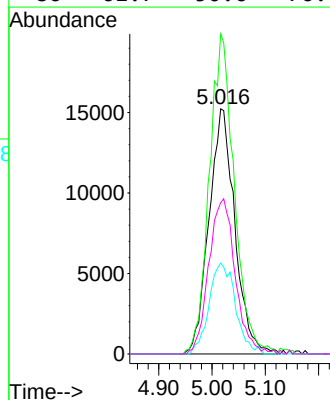
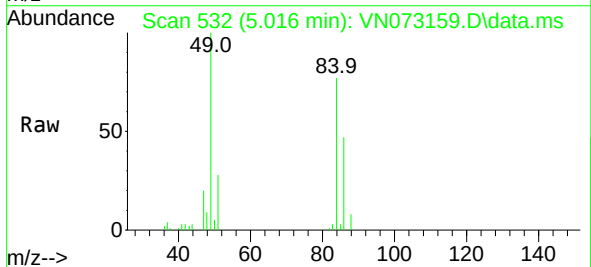
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GR

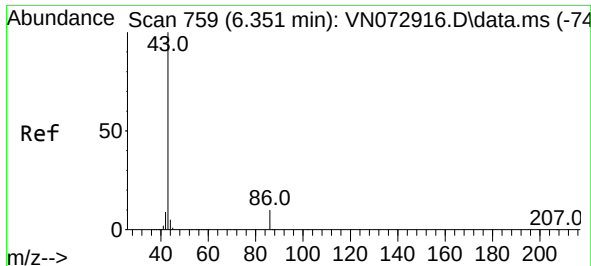
Tgt Ion: 43 Resp: 2088
Ion Ratio Lower Upper
43 100
74 2.8 21.6 32.4#



#20
Methylene Chloride
Concen: 14.420 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.000 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

Tgt Ion: 84 Resp: 51392
Ion Ratio Lower Upper
84 100
49 130.6 88.3 132.5
51 37.1 28.2 42.2
86 61.7 50.6 76.0

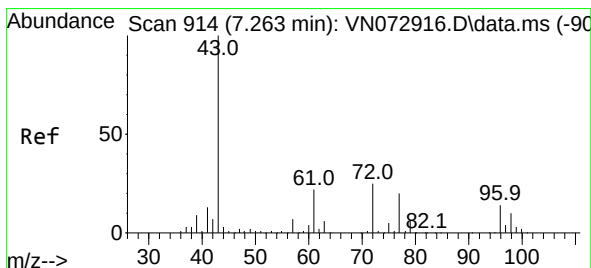
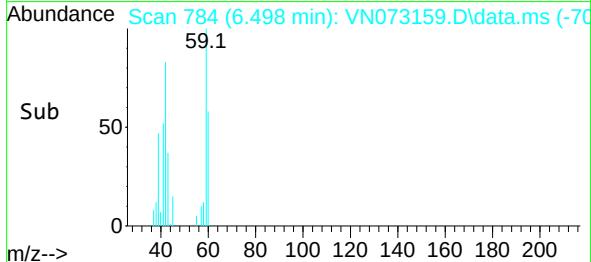
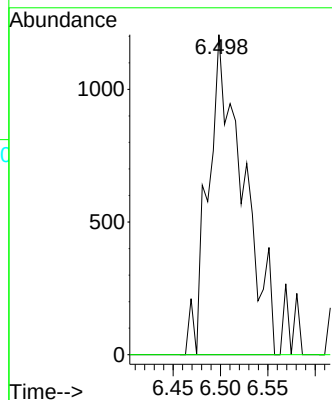
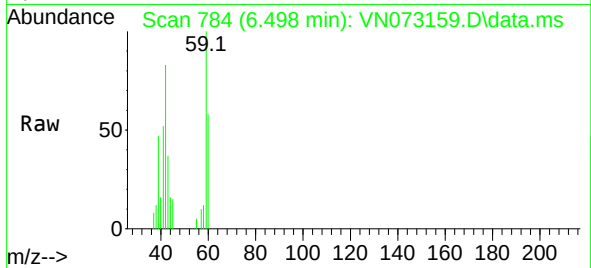




#23
 Vinyl Acetate
 Concen: 0.288 ug/l
 RT: 6.498 min Scan# 71
 Delta R.T. 0.147 min
 Lab File: VN073159.D
 Acq: 27 Jun 2022 14:00

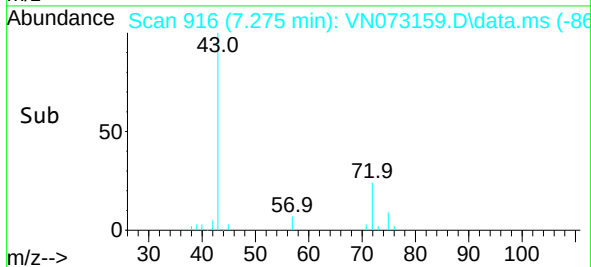
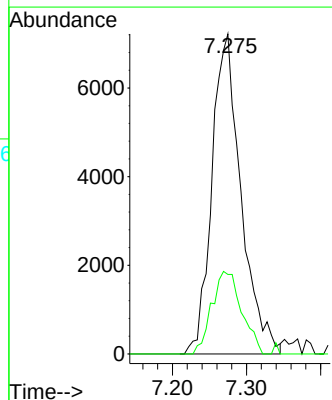
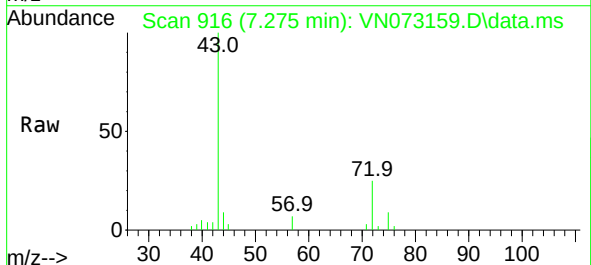
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-1-4-GR

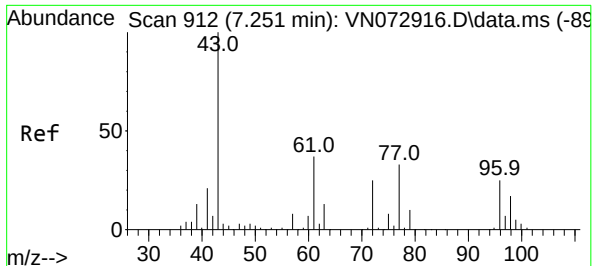
Tgt Ion: 43 Resp: 3095
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 5.473 ug/l
 RT: 7.275 min Scan# 916
 Delta R.T. 0.012 min
 Lab File: VN073159.D
 Acq: 27 Jun 2022 14:00

Tgt Ion: 43 Resp: 19720
 Ion Ratio Lower Upper
 43 100
 72 24.9 23.7 35.5





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.228 min Scan# 90

Delta R.T. -0.023 min

Lab File: VN073159.D

Acq: 27 Jun 2022 14:00

Instrument :

MSVOA_N

ClientSampleId :

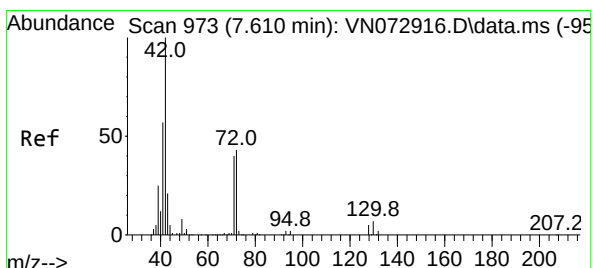
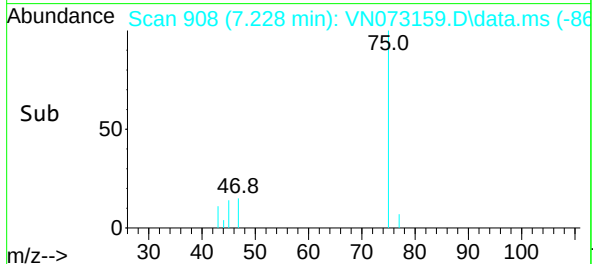
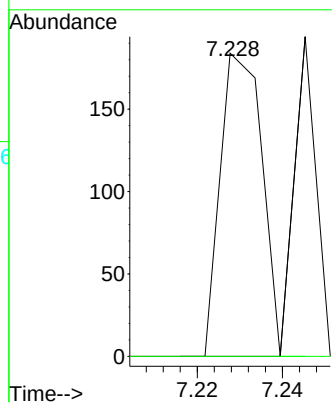
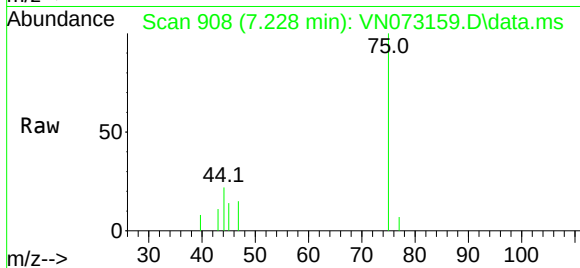
SP-EXC-1-4-GR

Tgt Ion: 77 Resp: 125

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 0.730 ug/l

RT: 7.628 min Scan# 976

Delta R.T. 0.018 min

Lab File: VN073159.D

Acq: 27 Jun 2022 14:00

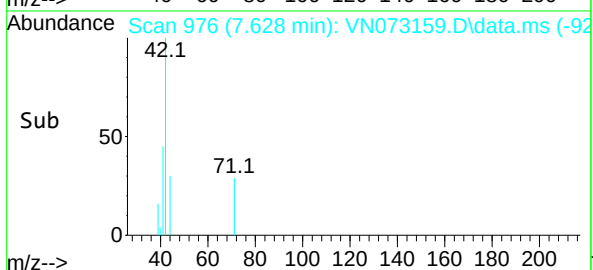
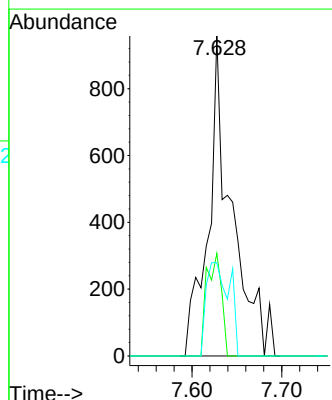
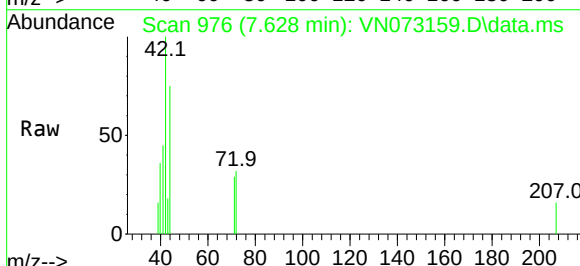
Tgt Ion: 42 Resp: 1736

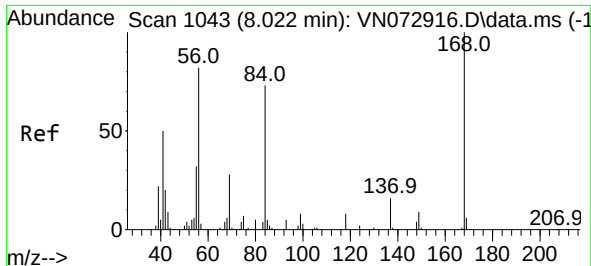
Ion Ratio Lower Upper

42 100

72 20.0 39.7 59.5#

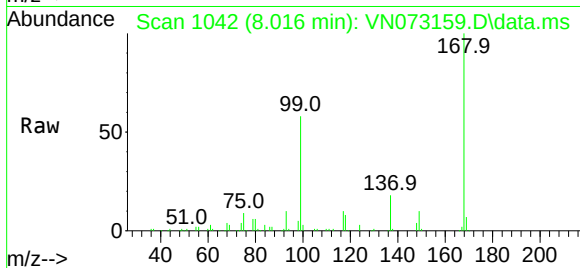
71 28.7 36.6 55.0#



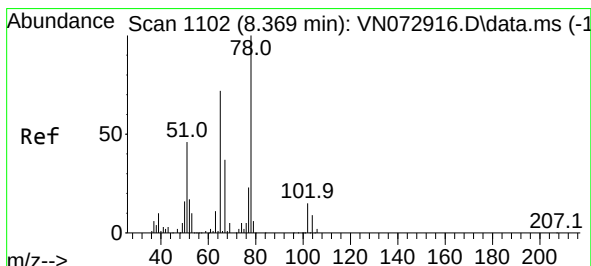
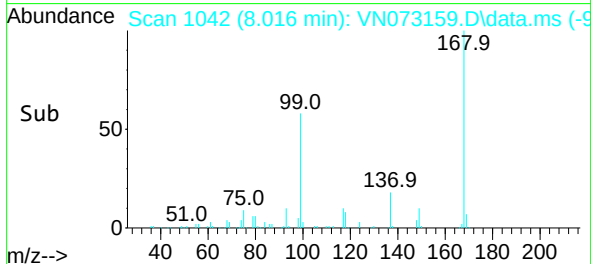
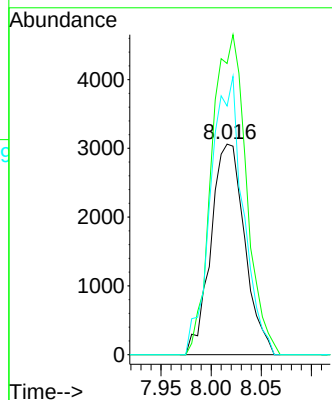


#31
Cyclohexane
Concen: 1.282 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

Instrument :
MSVOA_N
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SP-EXC-1-4-GR

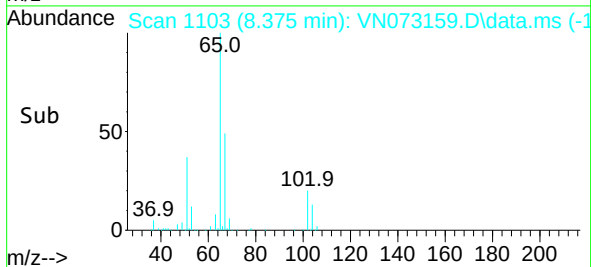
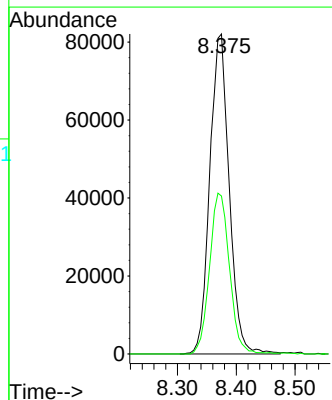
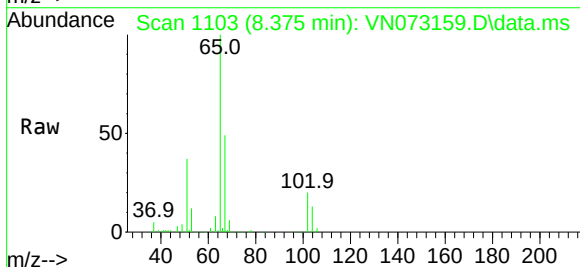


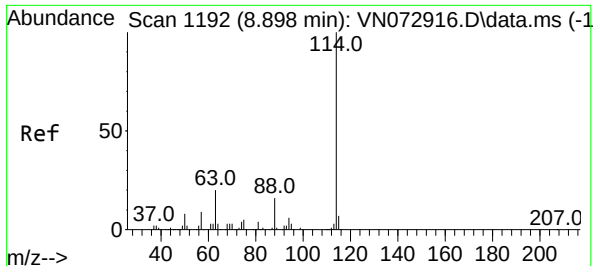
Tgt Ion: 56 Resp: 7165
Ion Ratio Lower Upper
56 100
69 138.3 27.8 41.8#
84 118.1 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 45.523 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

Tgt Ion: 65 Resp: 188038
Ion Ratio Lower Upper
65 100
67 51.6 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: VN073159.D

Acq: 27 Jun 2022 14:00

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-4-GR

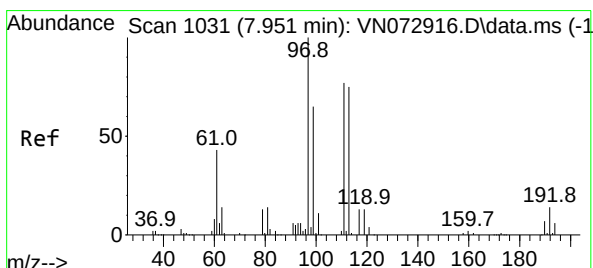
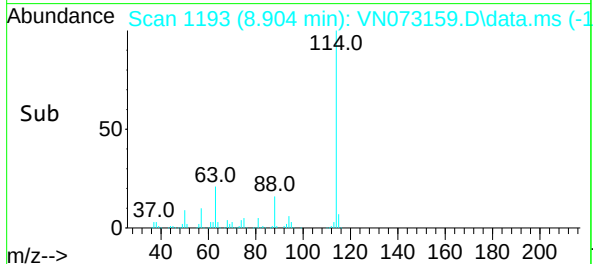
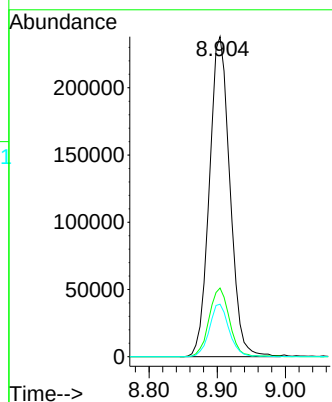
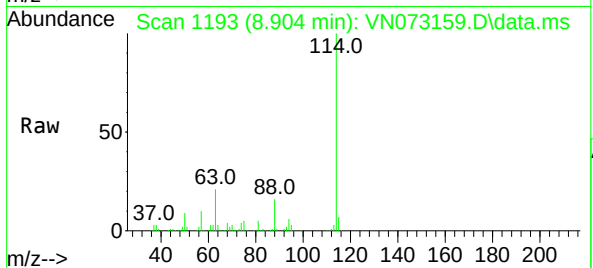
Tgt Ion:114 Resp: 498533

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 16.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 32.103 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073159.D

Acq: 27 Jun 2022 14:00

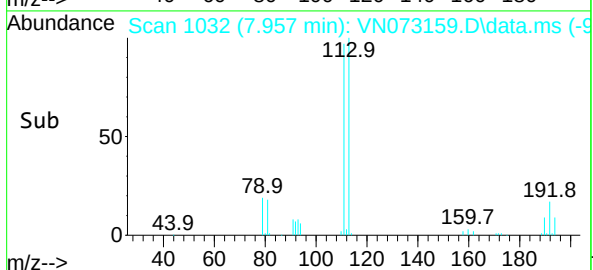
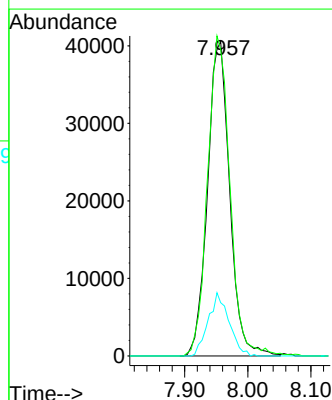
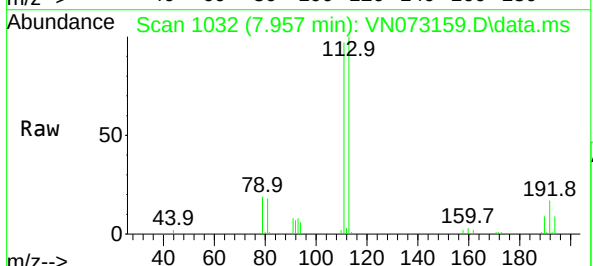
Tgt Ion:113 Resp: 98921

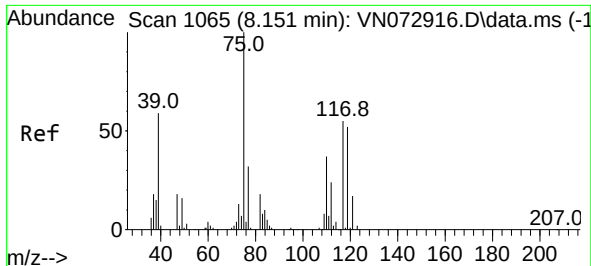
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 18.9 17.0 25.6

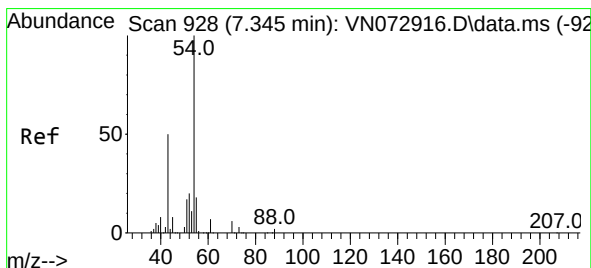
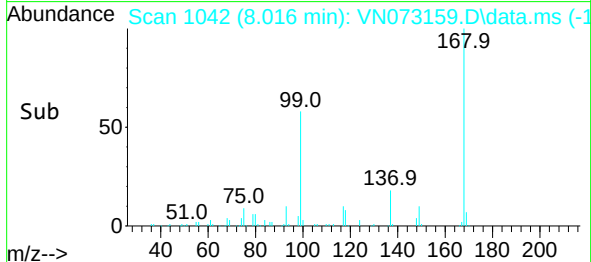
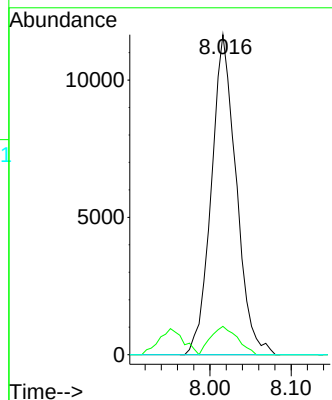
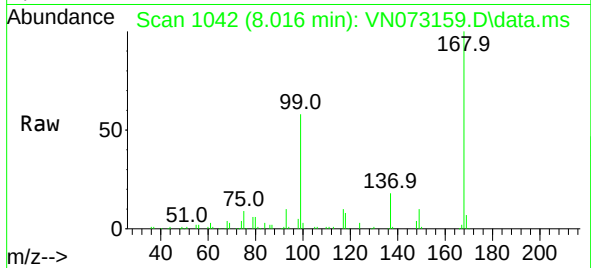




#36
1,1-Dichloropropene
Concen: 5.959 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

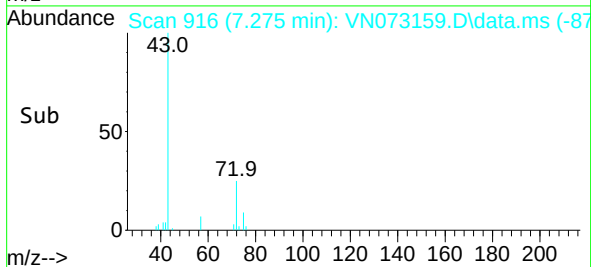
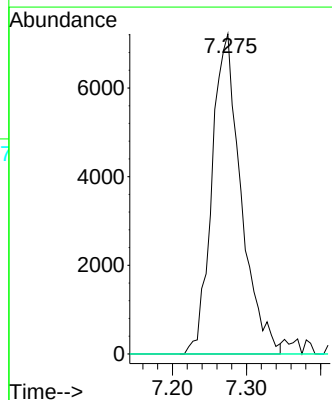
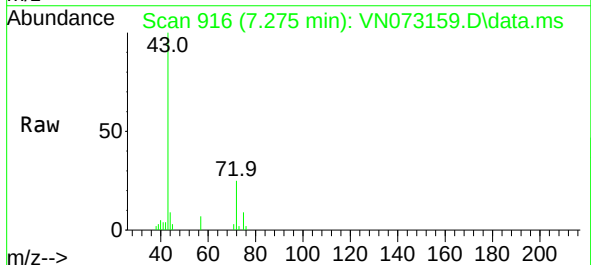
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GR

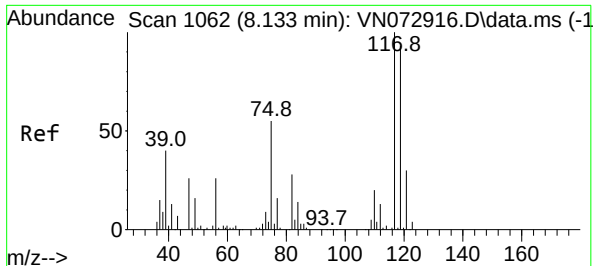
Tgt Ion: 75 Resp: 24844
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 2.957 ug/l
RT: 7.275 min Scan# 916
Delta R.T. -0.070 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

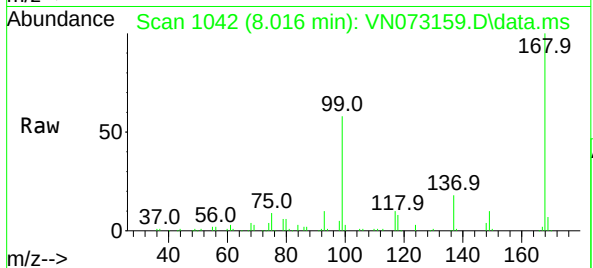
Tgt Ion: 43 Resp: 19720
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



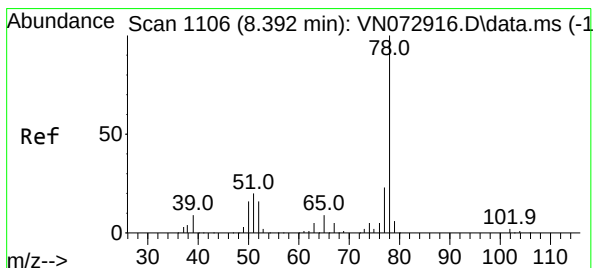
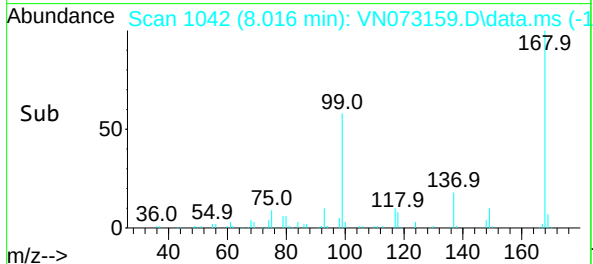
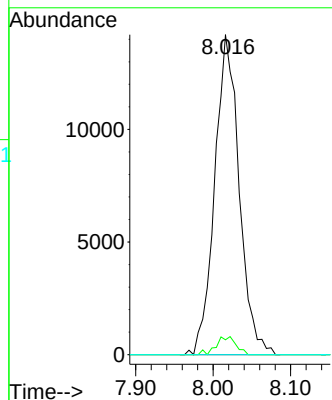


#38
Carbon Tetrachloride
Concen: 7.101 ug/l
RT: 8.016 min Scan# 1106
Delta R.T. -0.118 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GR

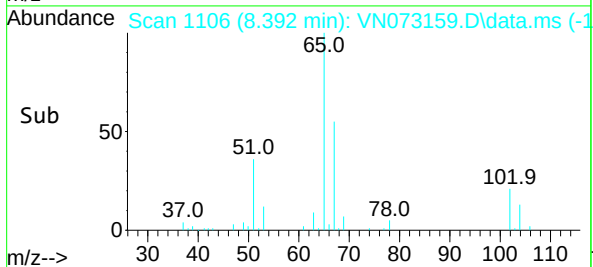
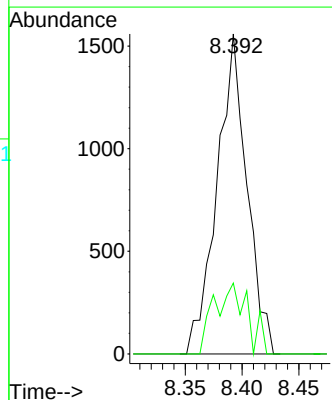
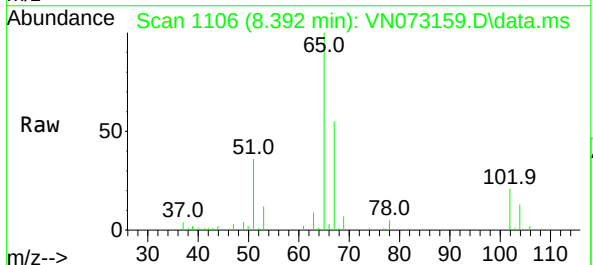


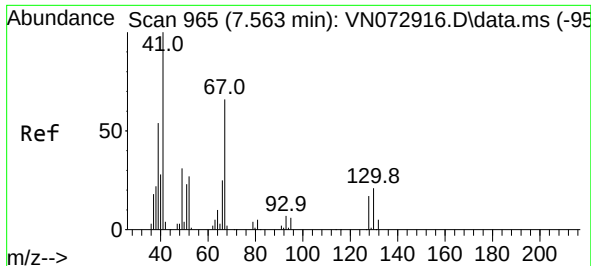
Tgt Ion:117 Resp: 31142
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.218 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

Tgt Ion: 78 Resp: 2860
Ion Ratio Lower Upper
78 100
77 22.1 19.4 29.0

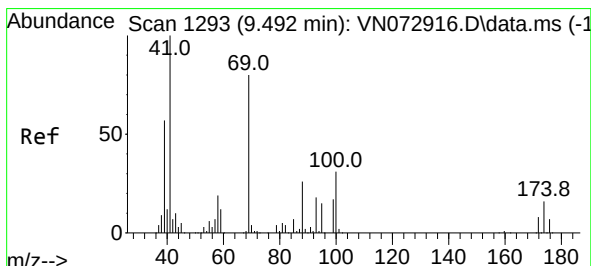
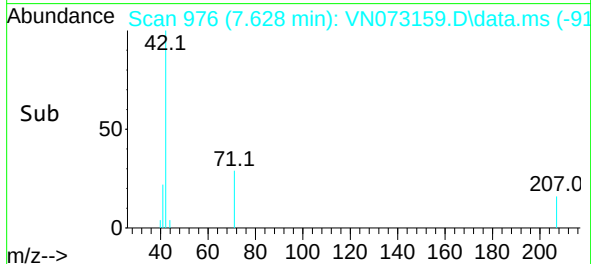
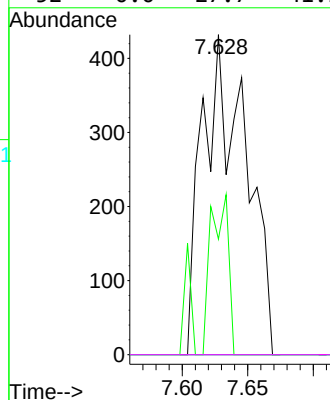
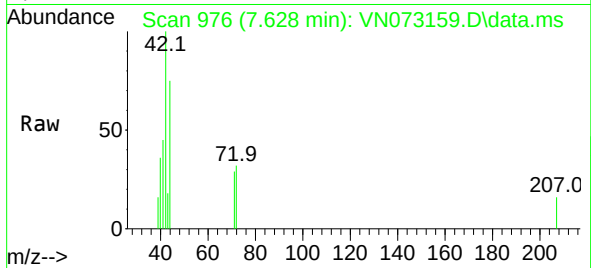




#41
Methacrylonitrile
Concen: 0.314 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

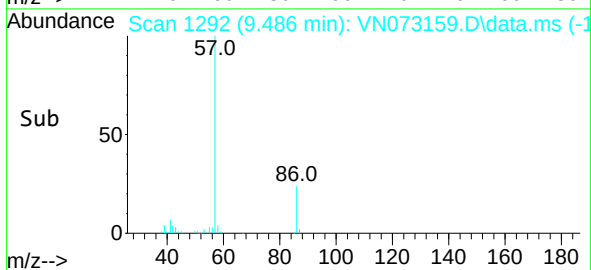
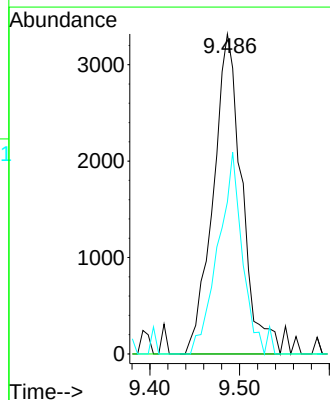
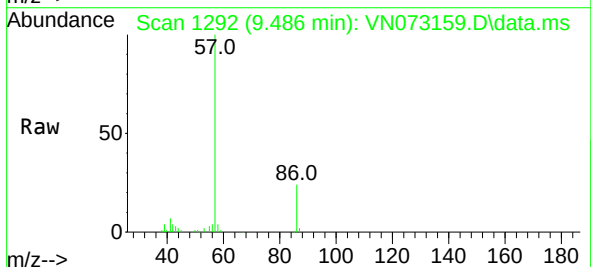
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GR

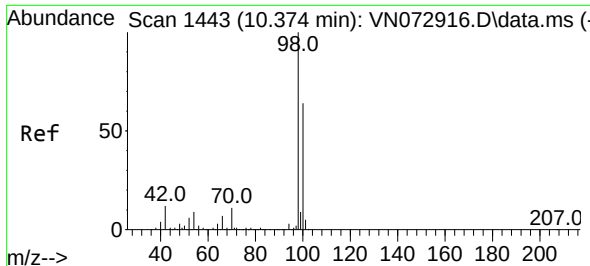
Tgt Ion:	41	Resp:	994
Ion	Ratio	Lower	Upper
41	100		
39	20.3	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#48
Methyl methacrylate
Concen: 1.696 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.006 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

Tgt Ion:	41	Resp:	7384
Ion	Ratio	Lower	Upper
41	100		
69	0.0	74.7	112.1#
39	52.9	45.6	68.4

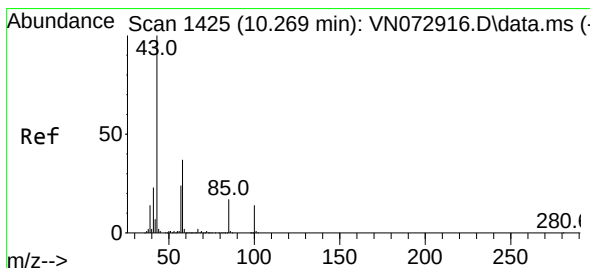
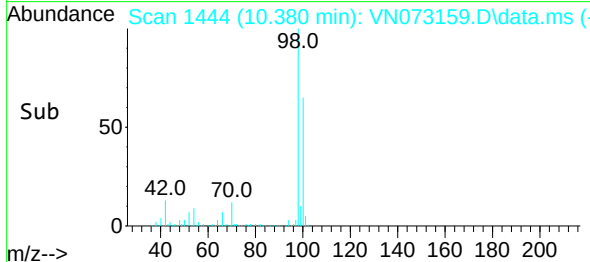
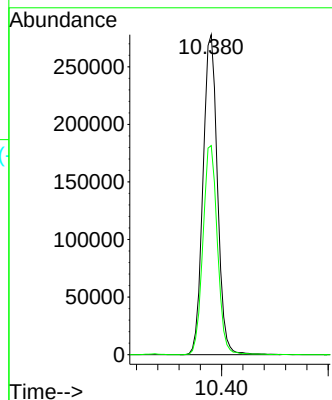
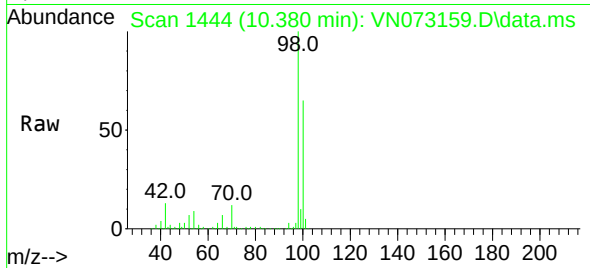




#50
Toluene-d8
Concen: 45.450 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

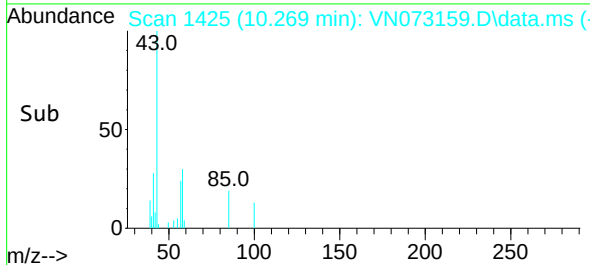
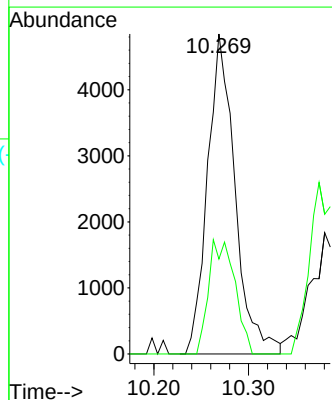
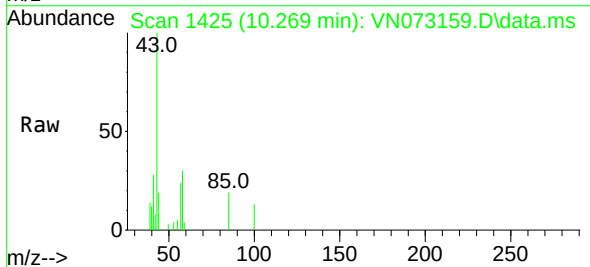
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GR

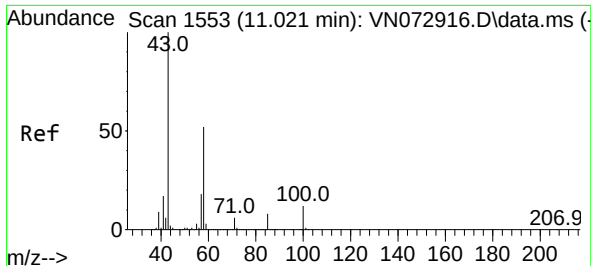
Tgt Ion: 98 Resp: 521128
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.573 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

Tgt Ion: 43 Resp: 9781
Ion Ratio Lower Upper
43 100
58 33.8 34.1 51.1#

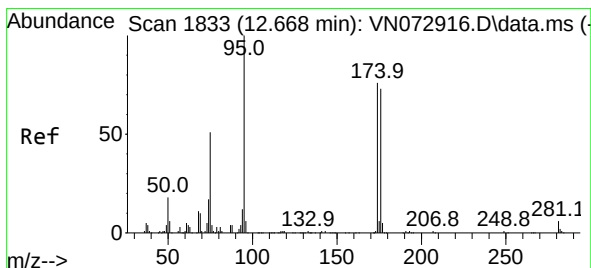
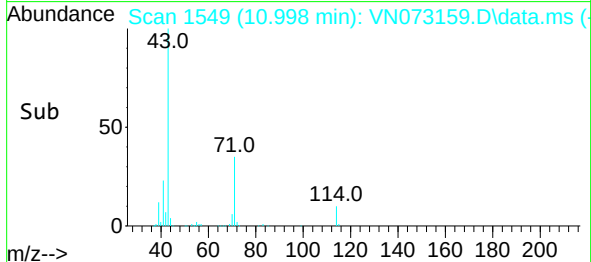
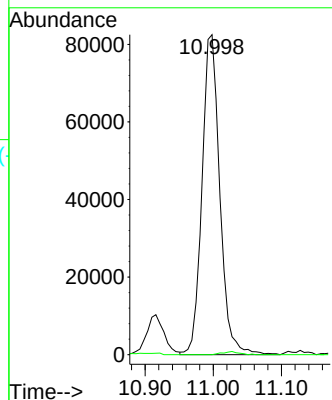
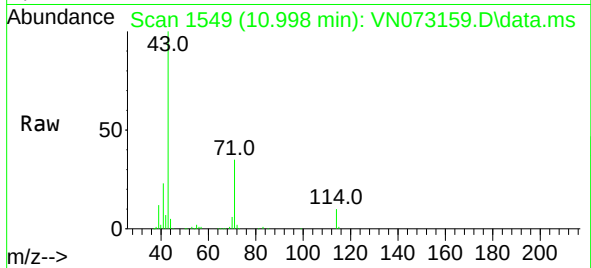




#59
2-Hexanone
Concen: 31.177 ug/l
RT: 10.998 min Scan# 1549
Delta R.T. -0.023 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

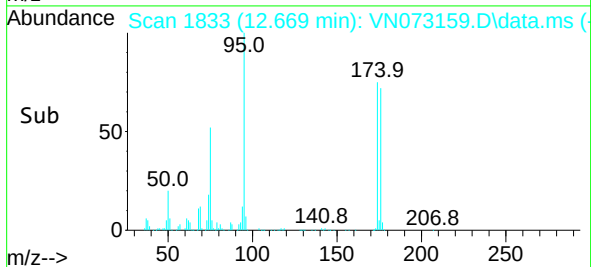
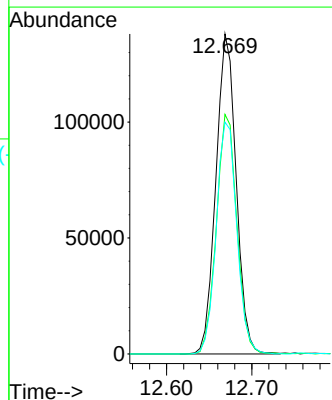
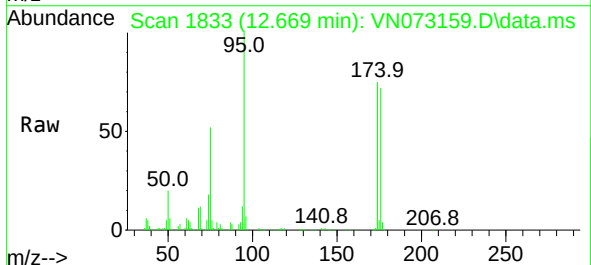
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GR

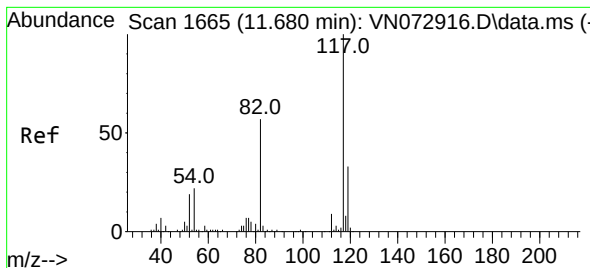
Tgt Ion: 43 Resp: 149906
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 55.338 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

Tgt Ion: 95 Resp: 228157
Ion Ratio Lower Upper
95 100
174 75.6 0.0 167.6
176 73.7 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073159.D

Acq: 27 Jun 2022 14:00

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-4-GR

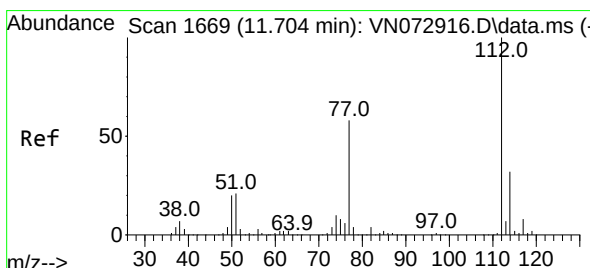
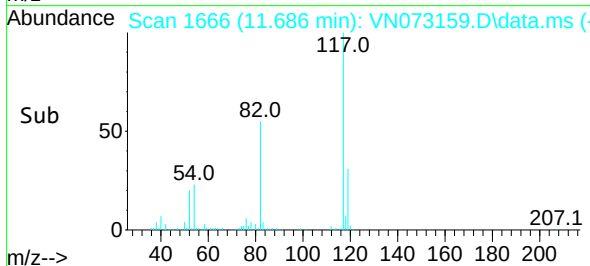
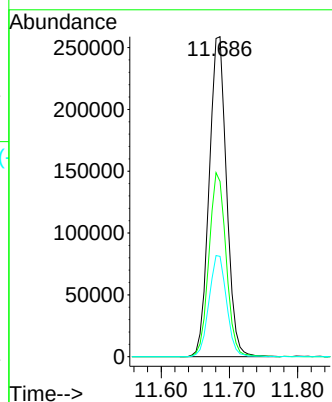
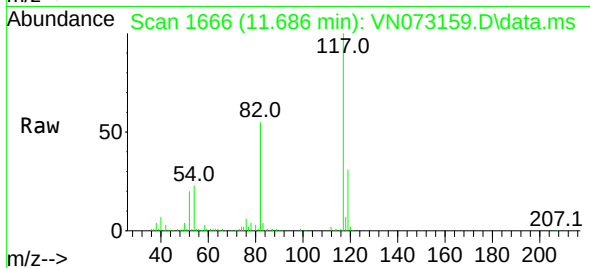
Tgt Ion:117 Resp: 459343

Ion Ratio Lower Upper

117 100

82 54.8 44.2 66.2

119 31.4 25.4 38.0



#65

Chlorobenzene

Concen: 5.878 ug/l

RT: 11.710 min Scan# 1670

Delta R.T. 0.006 min

Lab File: VN073159.D

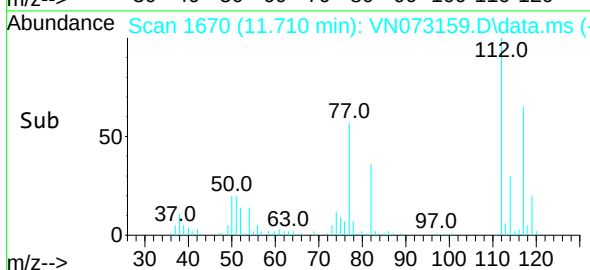
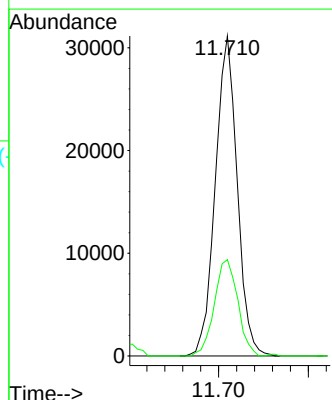
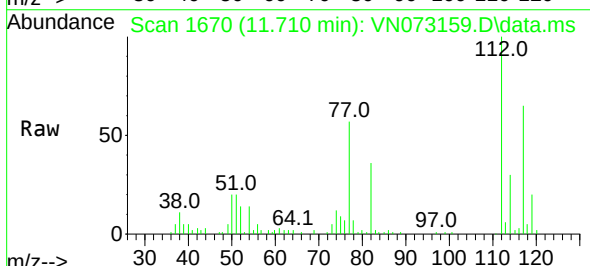
Acq: 27 Jun 2022 14:00

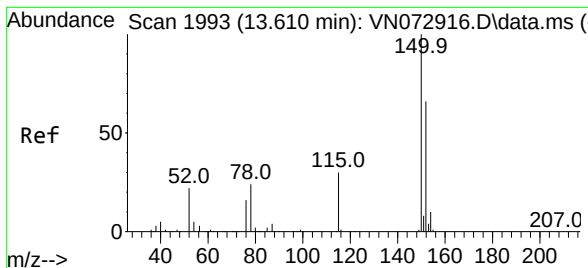
Tgt Ion:112 Resp: 52730

Ion Ratio Lower Upper

112 100

114 30.1 25.4 38.2

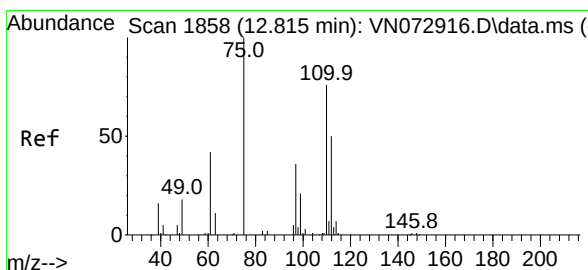
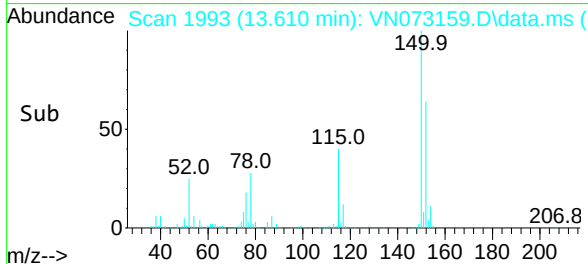
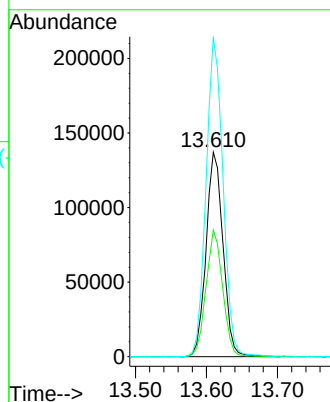
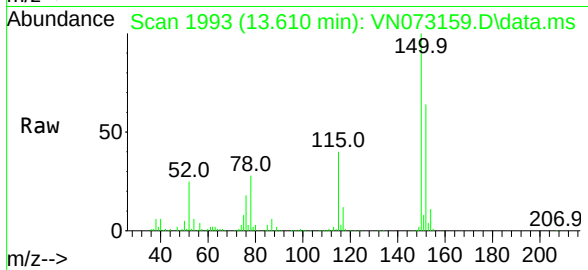




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. 0.000 min
 Lab File: VN073159.D
 Acq: 27 Jun 2022 14:00

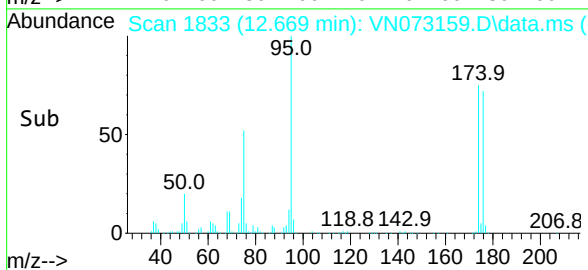
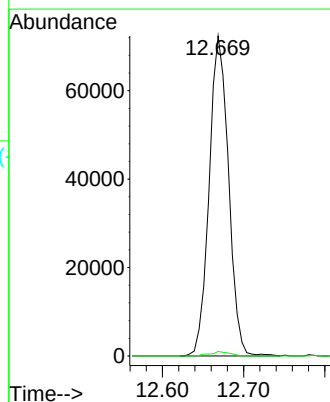
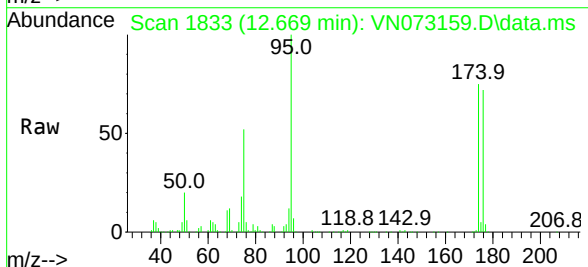
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-1-4-GR

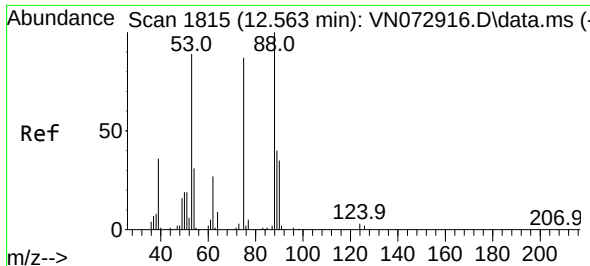
Tgt Ion:152 Resp: 227555
 Ion Ratio Lower Upper
 152 100
 115 60.9 28.9 86.7
 150 156.2 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.733 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073159.D
 Acq: 27 Jun 2022 14:00

Tgt Ion: 75 Resp: 119901
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#

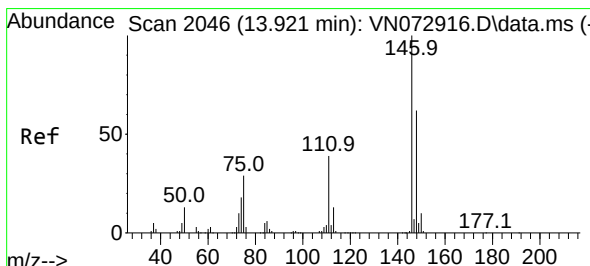
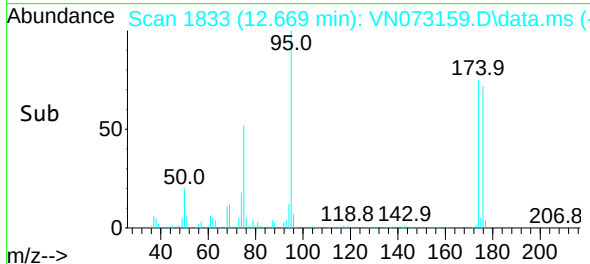
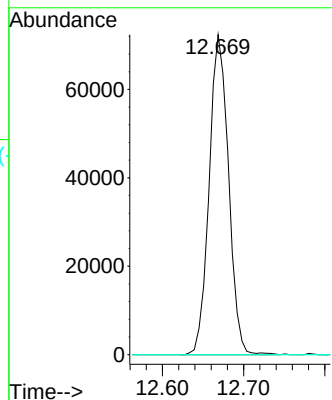
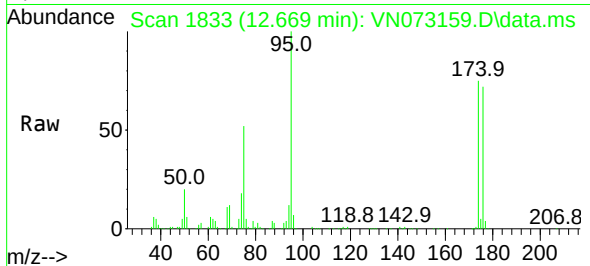




#81
trans-1,4-Dichloro-2-butene
Concen: 58.692 ug/l
RT: 12.669 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

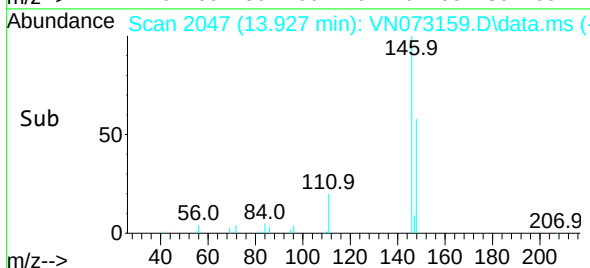
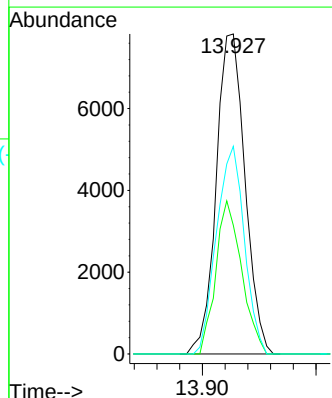
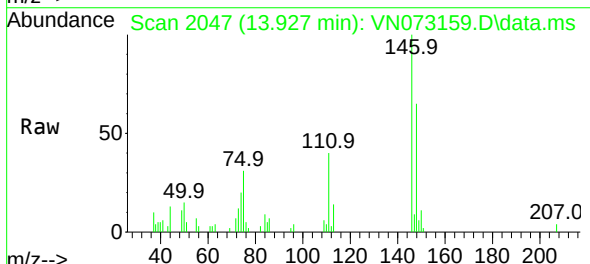
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GR

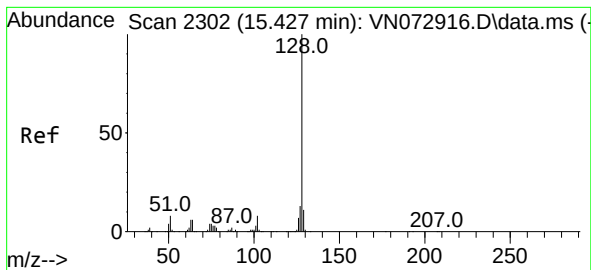
Tgt Ion: 75 Resp: 119901
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#91
1,2-Dichlorobenzene
Concen: 1.753 ug/l
RT: 13.927 min Scan# 2047
Delta R.T. 0.006 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

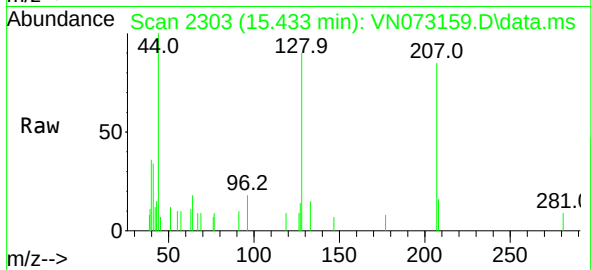
Tgt Ion:146 Resp: 13762
Ion Ratio Lower Upper
146 100
111 42.9 20.9 62.8
148 62.7 32.1 96.3





#95
Naphthalene
Concen: 0.210 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073159.D
Acq: 27 Jun 2022 14:00

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-4-GR



Tgt Ion:128 Resp: 3700
Ion Ratio Lower Upper
128 100
127 9.1 10.3 15.5#
129 7.1 8.6 13.0#

