

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
 Data File : VN073808.D
 Acq On : 10 Aug 2022 19:29
 Operator : JC\MD
 Sample : N4119-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

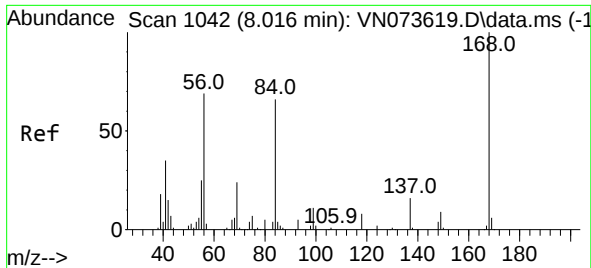
Instrument :
 MSVOA_N
 ClientSampleId :
 TP2-2FT

Quant Time: Aug 10 22:56:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	362330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	604112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	585621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	252431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	214966	48.684	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.360%		
35) Dibromofluoromethane	7.951	113	205613	54.202	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.400%		
50) Toluene-d8	10.380	98	687498	46.055	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.120%		
62) 4-Bromofluorobenzene	12.674	95	247511	47.384	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.760%		
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	1111	Below Cal		90
5) Bromomethane	2.840	94	833	0.234 ug/l		99
6) Chloroethane	2.893	64	187	Below Cal	#	42
11) Tert butyl alcohol	5.304	59	3233	3.395 ug/l	#	78
16) Acetone	4.228	43	84648	35.692 ug/l		98
18) Methyl Acetate	4.781	43	8670	1.469 ug/l		94
20) Methylene Chloride	5.016	84	22459	3.818 ug/l		98
25) 2-Butanone	7.269	43	24773	6.726 ug/l		96
29) Tetrahydrofuran	7.633	42	2075	0.891 ug/l	#	86
31) Cyclohexane	8.016	56	6896	1.049 ug/l	#	21
36) 1,1-Dichloropropene	8.022	75	25357	4.690 ug/l	#	50
37) Ethyl Acetate	7.339	43	65732	9.232 ug/l		97
38) Carbon Tetrachloride	8.022	117	33600	6.119 ug/l	#	17
41) Methacrylonitrile	7.622	41	1407	0.437 ug/l	#	31
42) 1,2-Dichloroethane	8.486	62	1787	0.302 ug/l	#	74
43) Isopropyl Acetate	8.498	43	244442	25.417 ug/l	#	93
45) 1,2-Dichloropropane	9.569	63	3434	0.783 ug/l	#	44
48) Methyl methacrylate	9.492	41	9084	2.158 ug/l	#	39
49) 1,4-Dioxane	9.516	88	139	1.171 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.275	43	12659	1.835 ug/l		91
53) t-1,3-Dichloropropene	10.557	75	1793	0.310 ug/l	#	1
54) cis-1,3-Dichloropropene	10.186	75	88022	13.526 ug/l	#	64
57) 1,3-Dichloropropane	11.033	76	11515	1.518 ug/l	#	42
59) 2-Hexanone	11.033	43	148908	28.493 ug/l	#	51
71) Bromoform	12.668	173	1516	0.412 ug/l	#	28
76) 1,2,3-Trichloropropane	12.674	75	126396	25.771 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.674	75	126396	64.889 ug/l	#	10

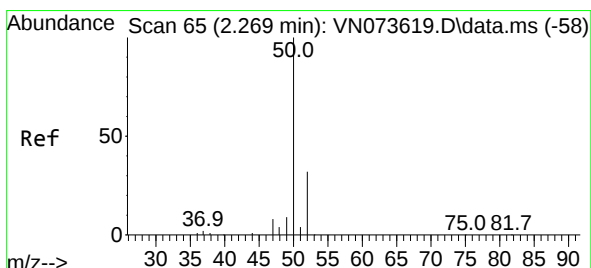
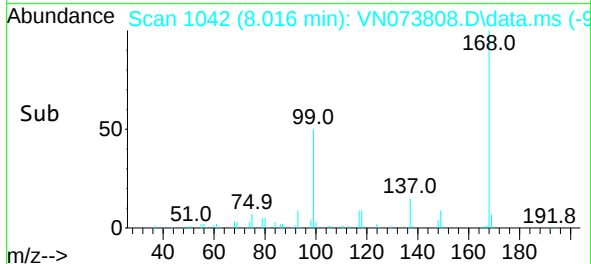
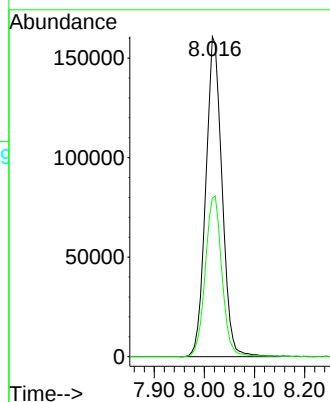
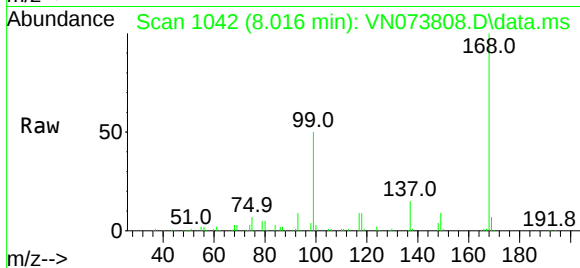
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

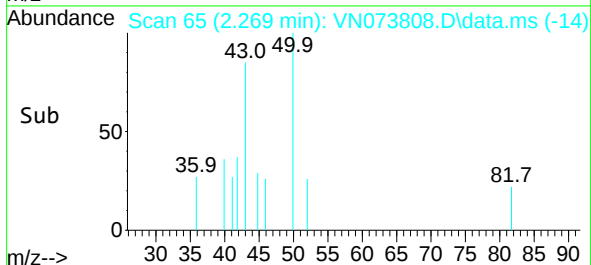
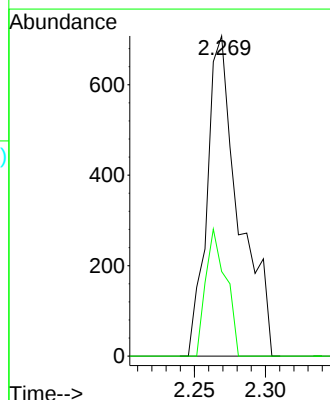
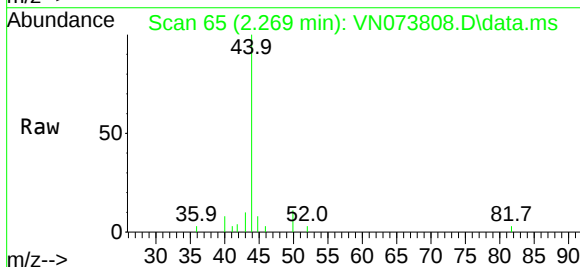
Instrument :
MSVOA_N
ClientSampleId :
TP2-2FT

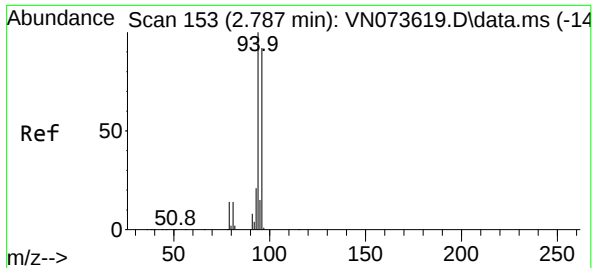
Tgt Ion:168 Resp: 362330
Ion Ratio Lower Upper
168 100
99 49.5 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

Tgt Ion: 50 Resp: 1111
Ion Ratio Lower Upper
50 100
52 26.4 25.7 38.5

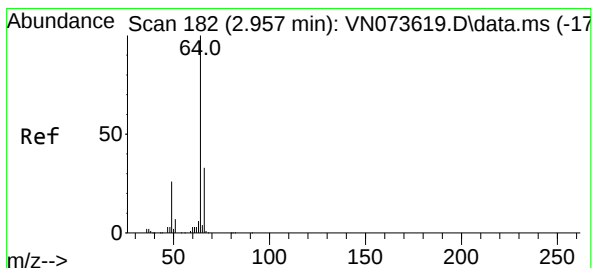
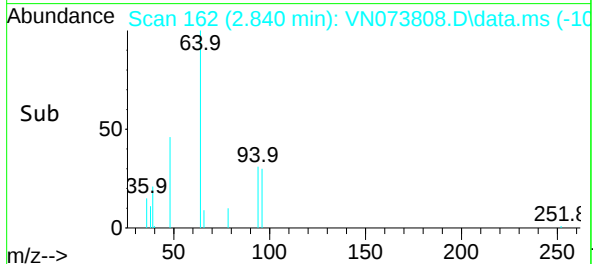
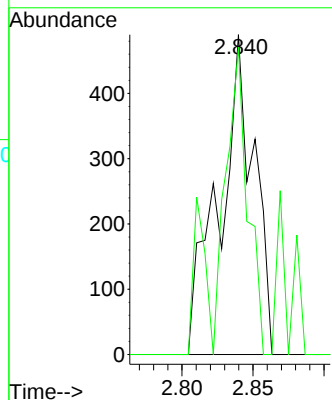
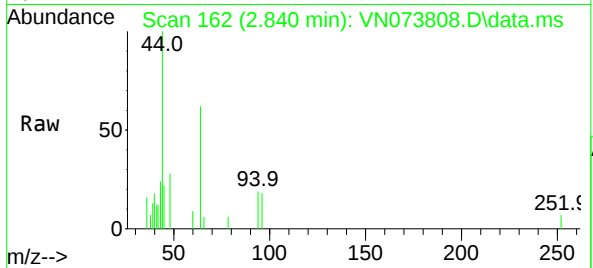




#5
Bromomethane
Concen: 0.234 ug/l
RT: 2.840 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

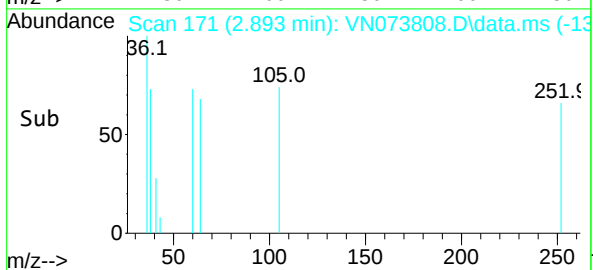
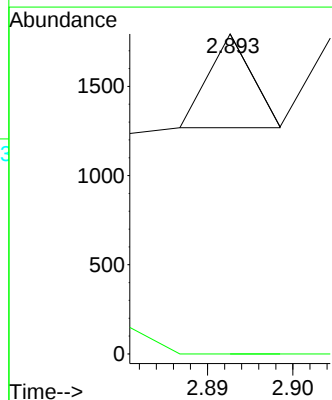
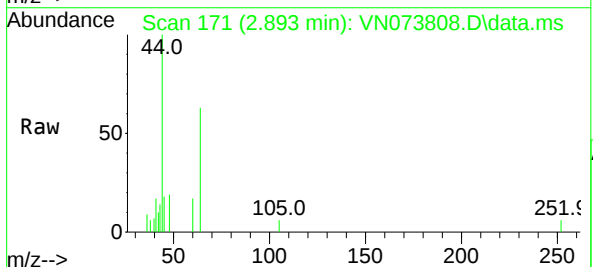
Instrument :
MSVOA_N
ClientSampleId :
TP2-2FT

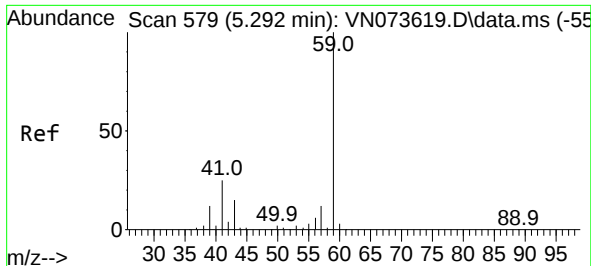
Tgt Ion: 94 Resp: 833
Ion Ratio Lower Upper
94 100
96 96.1 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.893 min Scan# 171
Delta R.T. -0.064 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

Tgt Ion: 64 Resp: 187
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

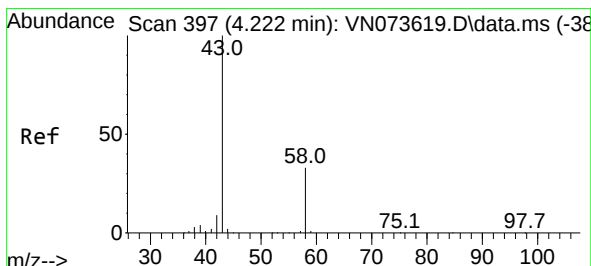
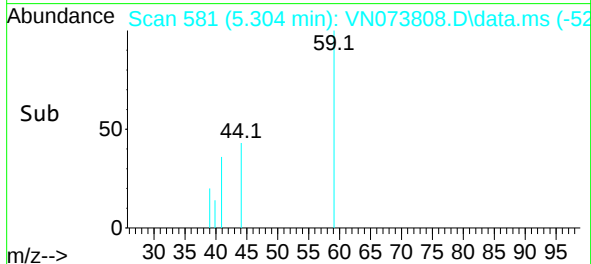
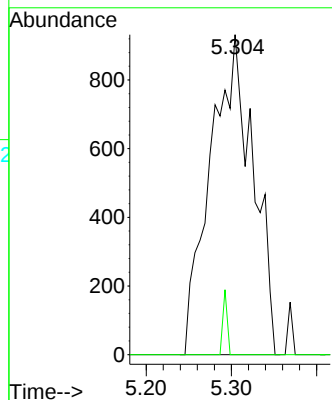
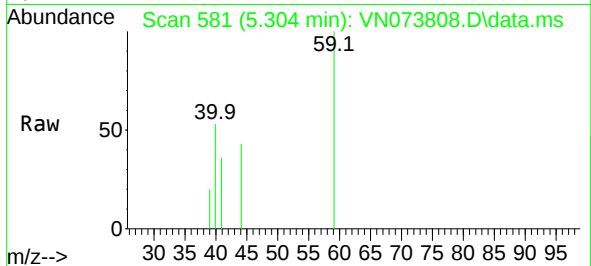




#11
Tert butyl alcohol
Concen: 3.395 ug/l
RT: 5.304 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

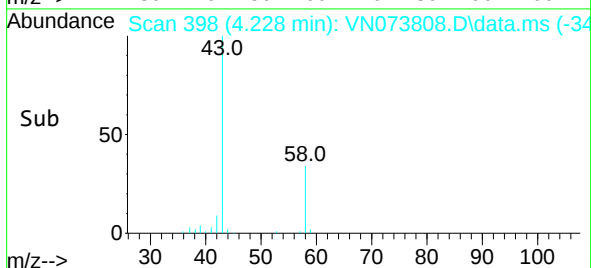
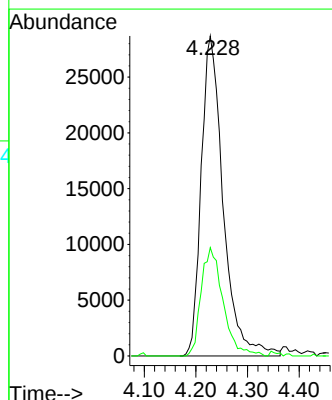
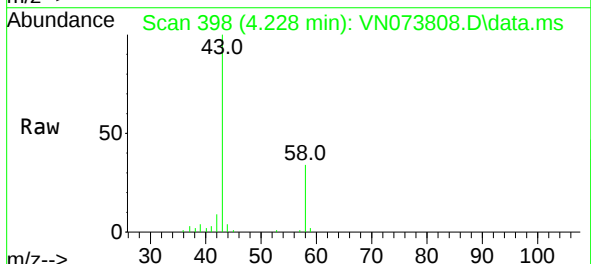
Instrument :
MSVOA_N
ClientSampleId :
TP2-2FT

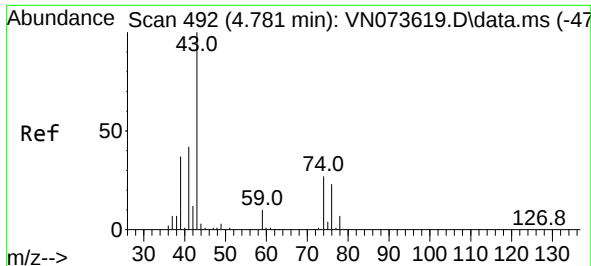
Tgt Ion: 59 Resp: 3233
Ion Ratio Lower Upper
59 100
57 2.1 8.3 12.5#



#16
Acetone
Concen: 35.692 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

Tgt Ion: 43 Resp: 84648
Ion Ratio Lower Upper
43 100
58 33.9 26.0 39.0

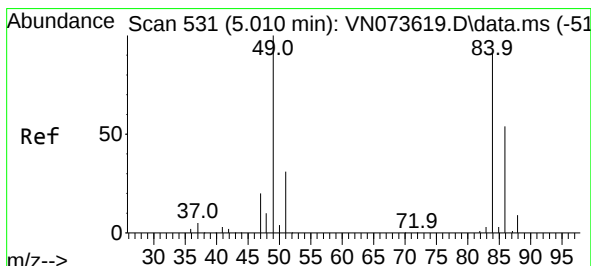
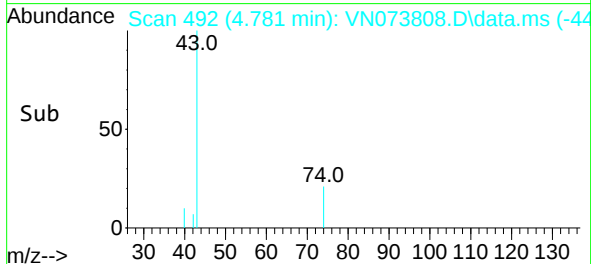
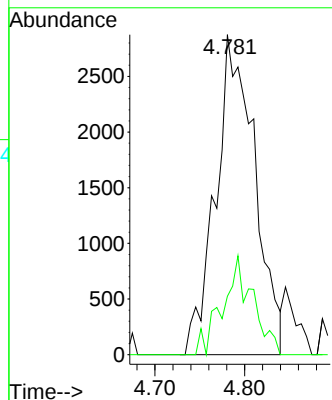
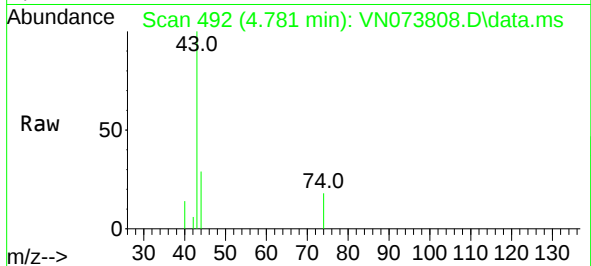




#18
Methyl Acetate
Concen: 1.469 ug/l
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

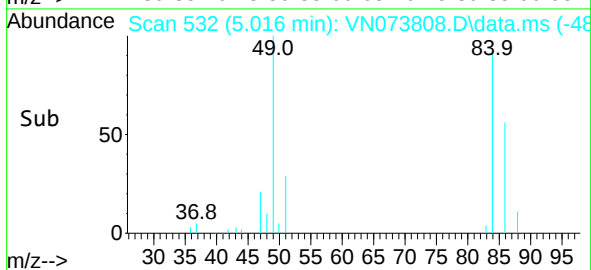
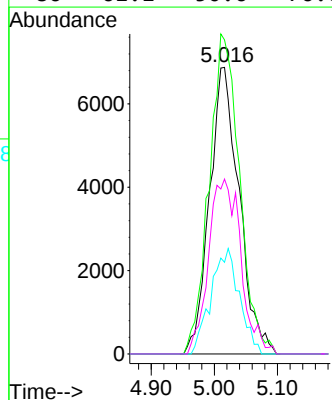
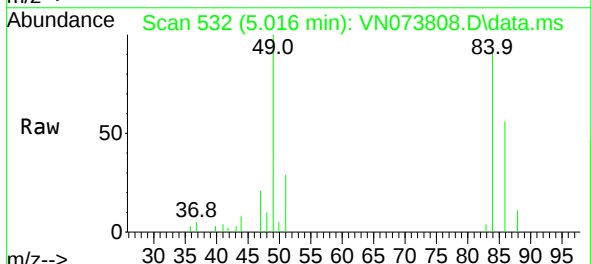
Instrument :
MSVOA_N
ClientSampleId :
TP2-2FT

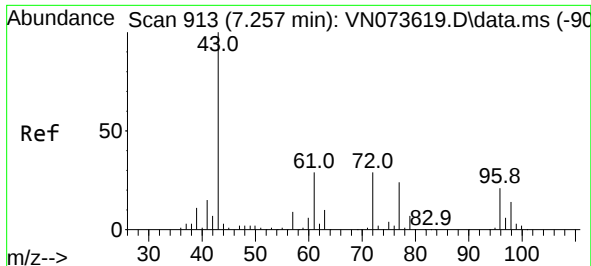
Tgt Ion: 43 Resp: 8670
Ion Ratio Lower Upper
43 100
74 24.0 21.6 32.4



#20
Methylene Chloride
Concen: 3.818 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

Tgt Ion: 84 Resp: 22459
Ion Ratio Lower Upper
84 100
49 109.6 88.3 132.5
51 32.0 28.2 42.2
86 61.1 50.6 76.0





#25

2-Butanone

Concen: 6.726 ug/l

RT: 7.269 min Scan# 913

Delta R.T. 0.012 min

Lab File: VN073808.D

Acq: 10 Aug 2022 19:29

Instrument :

MSVOA_N

ClientSampleId :

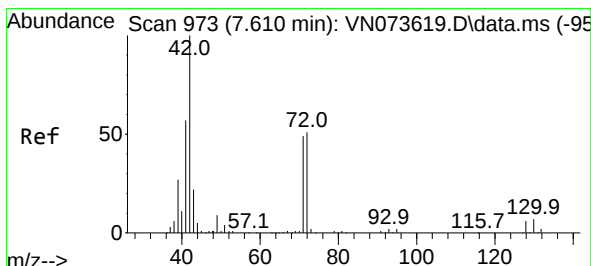
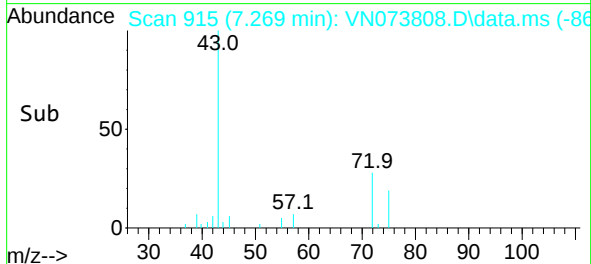
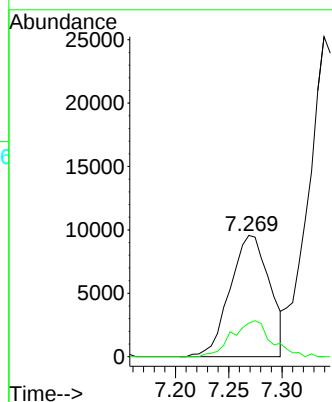
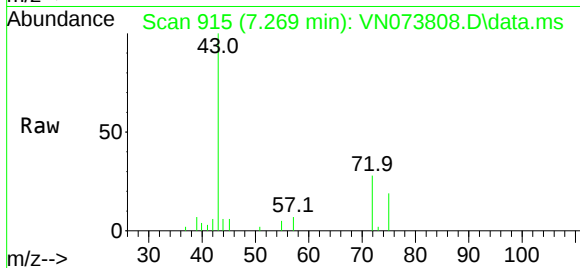
TP2-2FT

Tgt Ion: 43 Resp: 24773

Ion Ratio Lower Upper

43 100

72 27.7 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.891 ug/l

RT: 7.633 min Scan# 977

Delta R.T. 0.023 min

Lab File: VN073808.D

Acq: 10 Aug 2022 19:29

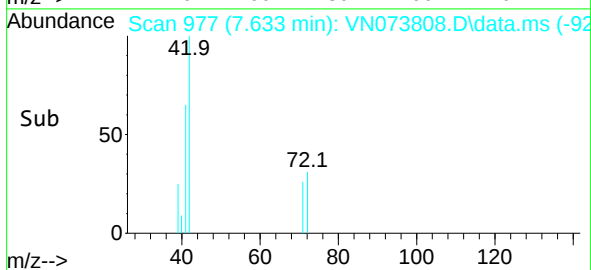
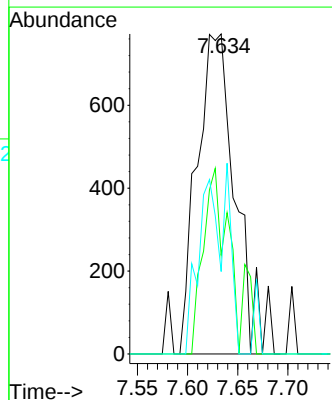
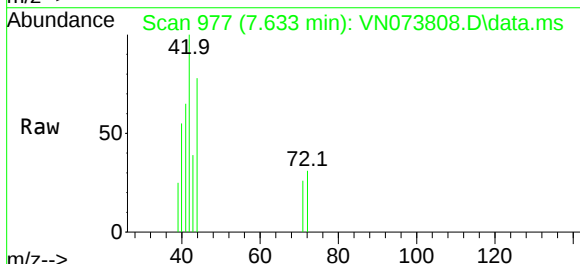
Tgt Ion: 42 Resp: 2075

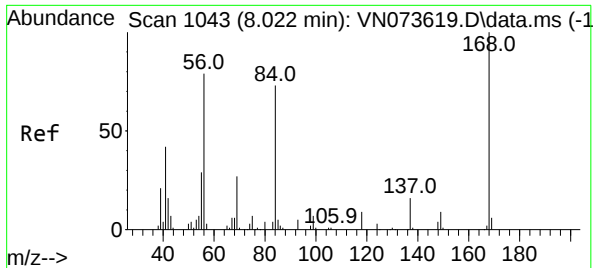
Ion Ratio Lower Upper

42 100

72 36.0 39.7 59.5#

71 40.6 36.6 55.0

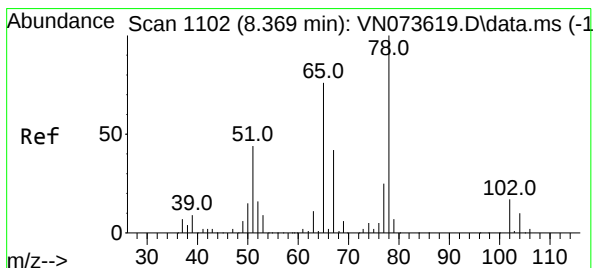
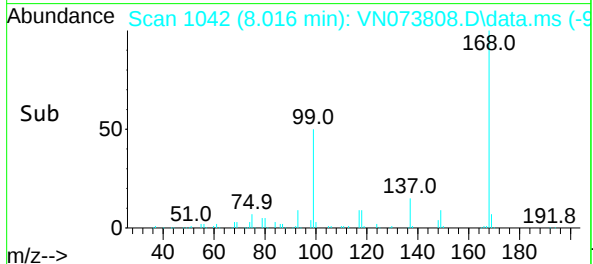
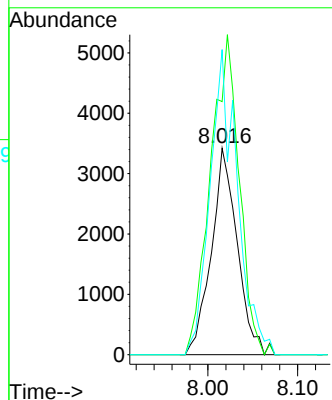
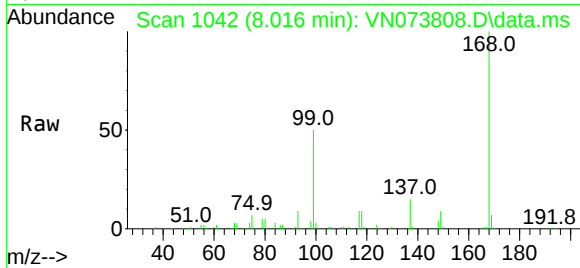




#31
Cyclohexane
Concen: 1.049 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

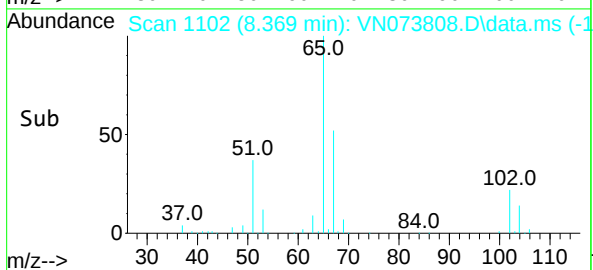
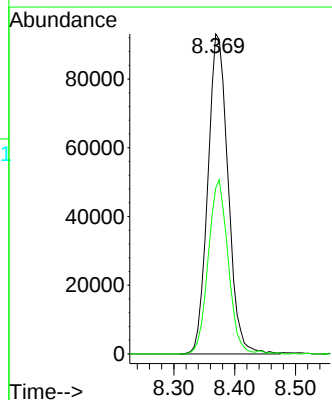
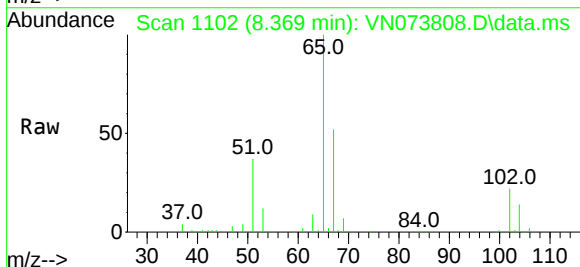
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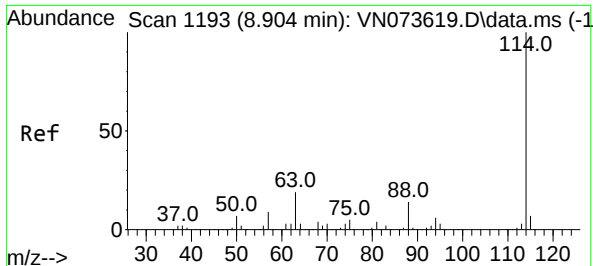
Tgt Ion: 56 Resp: 6896
Ion Ratio Lower Upper
56 100
69 122.6 27.8 41.8#
84 147.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.684 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

Tgt Ion: 65 Resp: 214966
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.8

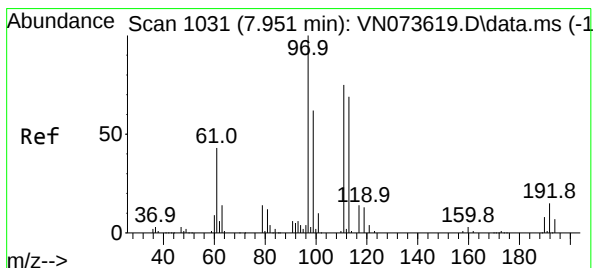
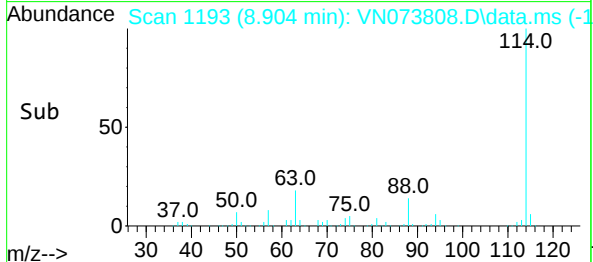
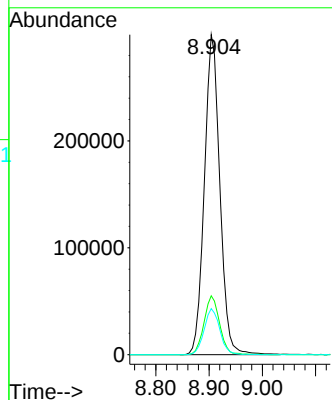
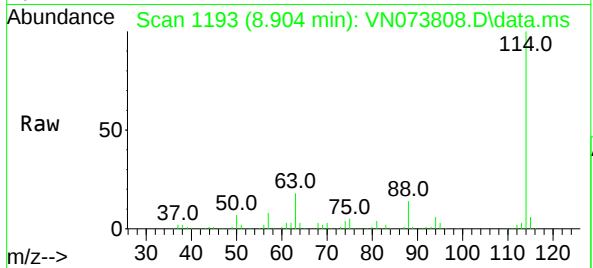




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

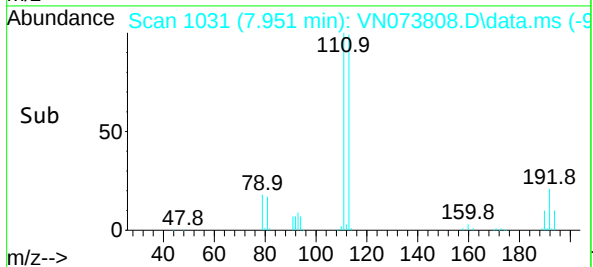
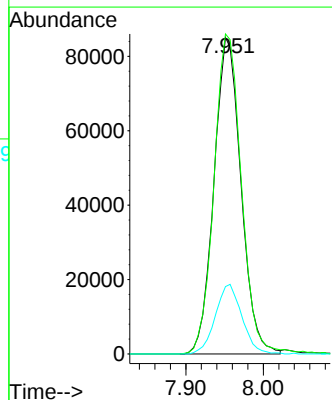
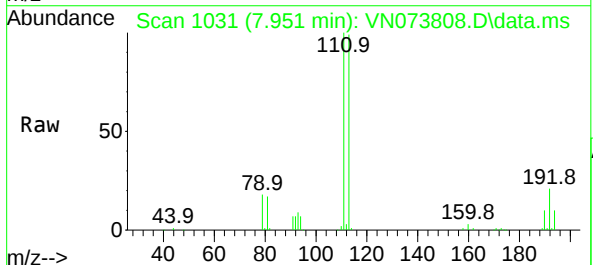
Instrument :
MSVOA_N
ClientSampleId :
TP2-2FT

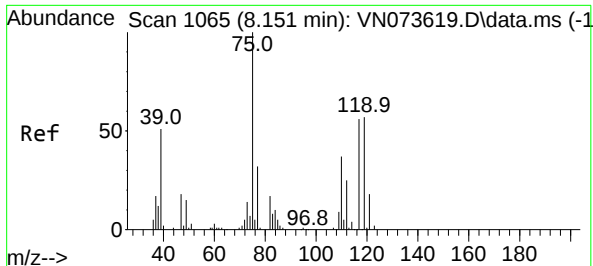
Tgt Ion:114 Resp: 604112
Ion Ratio Lower Upper
114 100
63 18.4 0.0 40.0
88 14.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 54.202 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

Tgt Ion:113 Resp: 205613
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 21.7 17.0 25.6

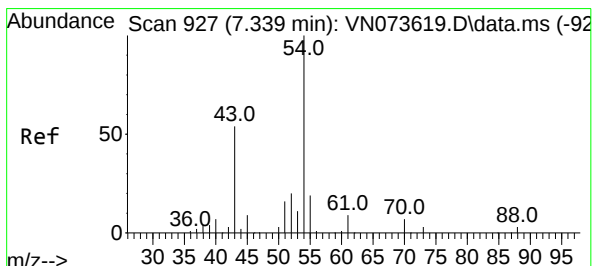
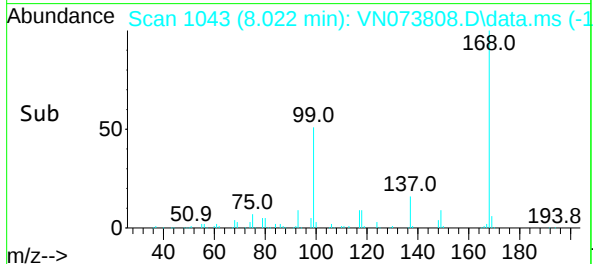
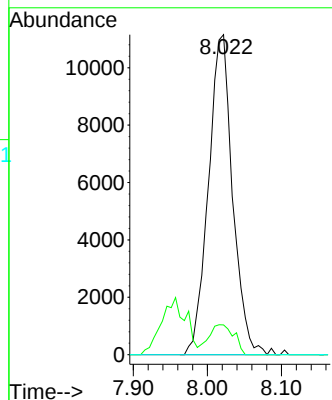
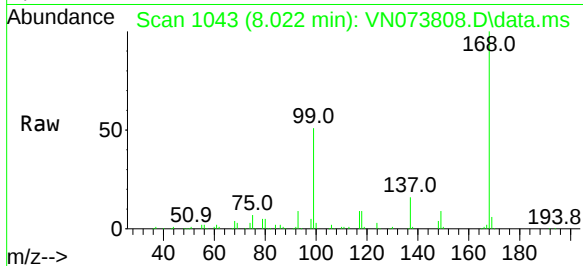




#36
1,1-Dichloropropene
Concen: 4.690 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

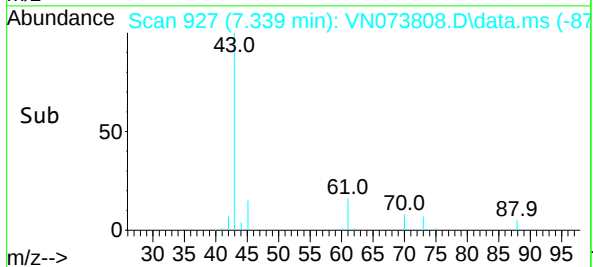
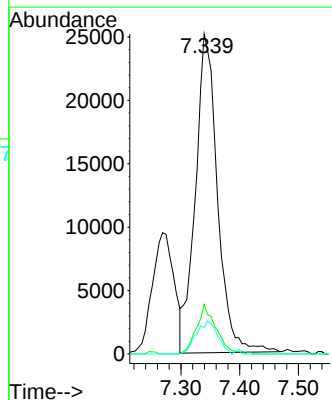
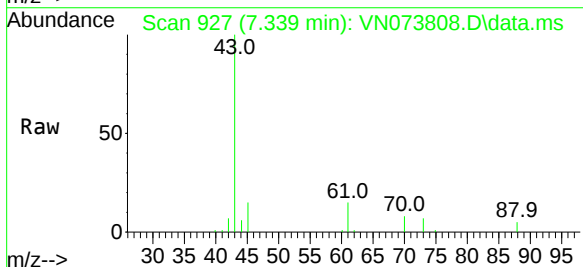
Instrument :
MSVOA_N
ClientSampleId :
TP2-2FT

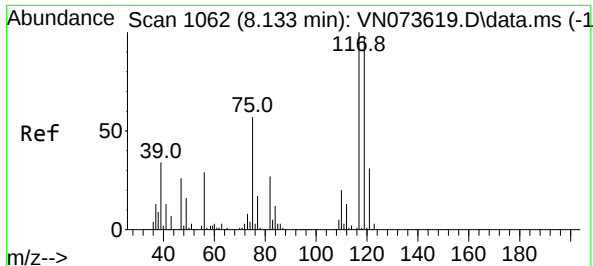
Tgt Ion: 75 Resp: 25357
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 9.232 ug/l
RT: 7.339 min Scan# 927
Delta R.T. -0.000 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

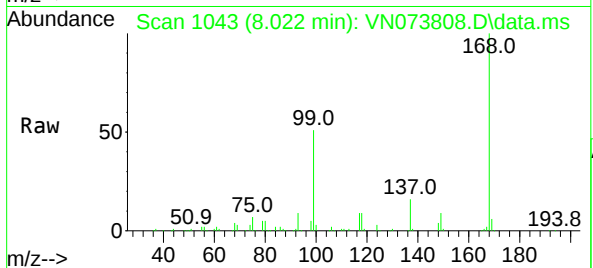
Tgt Ion: 43 Resp: 65732
Ion Ratio Lower Upper
43 100
61 13.8 11.8 17.6
70 10.0 9.3 13.9



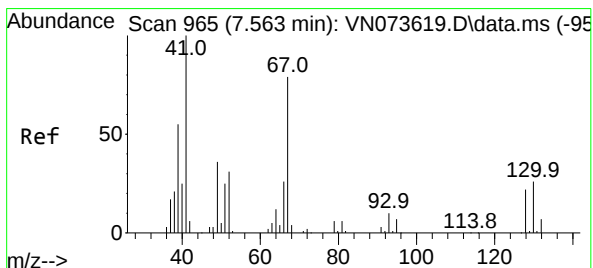
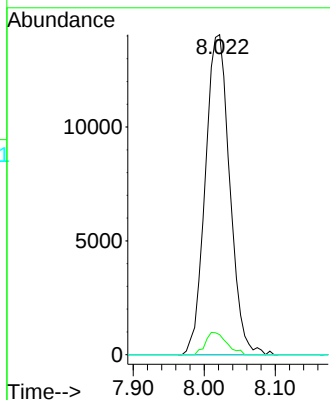
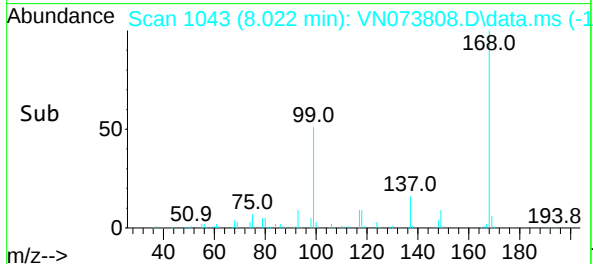


#38
Carbon Tetrachloride
Concen: 6.119 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

Instrument :
MSVOA_N
ClientSampleId :
TP2-2FT

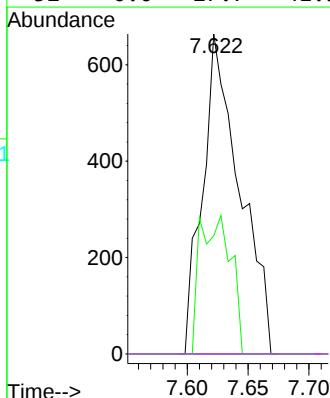
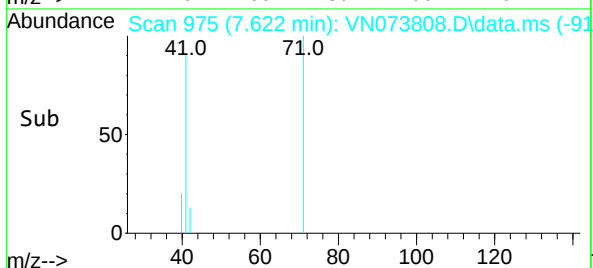
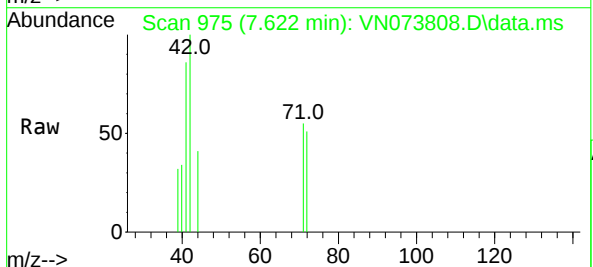


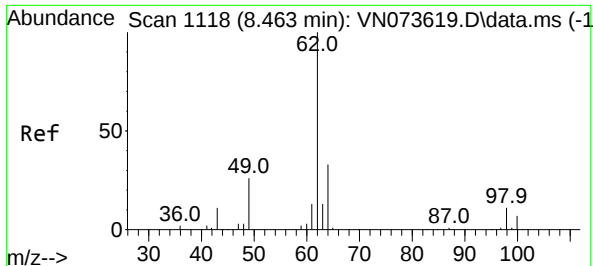
Tgt Ion:117 Resp: 33600
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.437 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.059 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

Tgt Ion: 41 Resp: 1407
Ion Ratio Lower Upper
41 100
39 36.1 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.302 ug/l

RT: 8.486 min Scan# 1118

Delta R.T. 0.024 min

Lab File: VN073808.D

Acq: 10 Aug 2022 19:29

Instrument :

MSVOA_N

ClientSampleId :

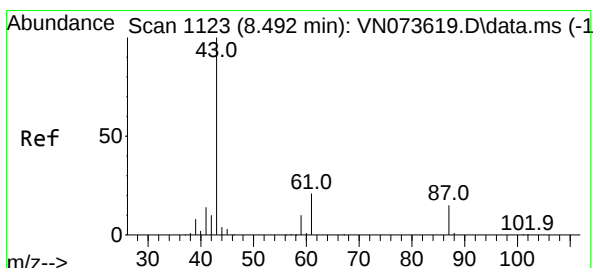
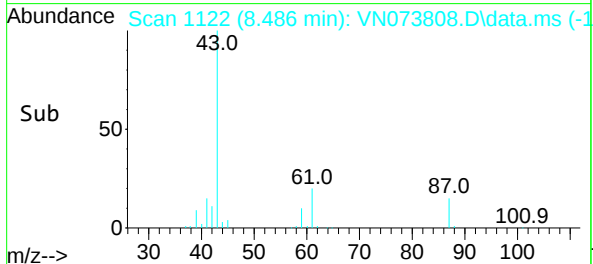
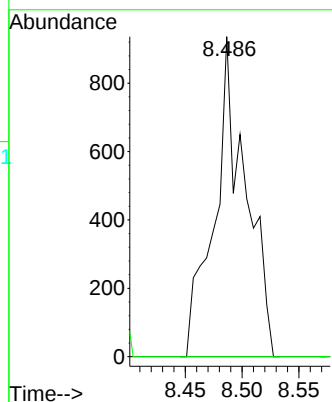
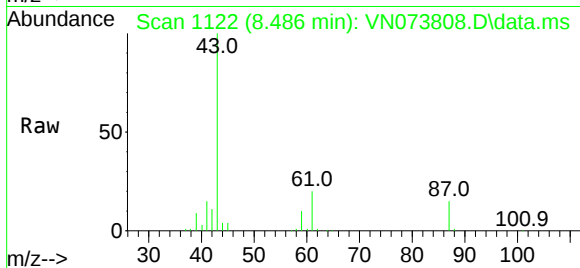
TP2-2FT

Tgt Ion: 62 Resp: 1787

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 25.417 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073808.D

Acq: 10 Aug 2022 19:29

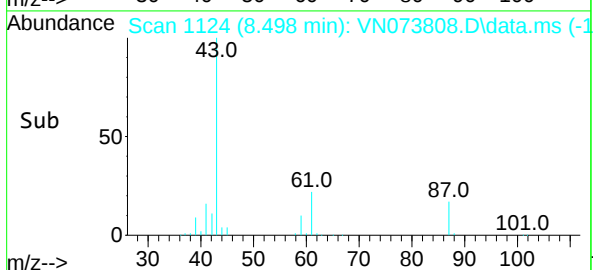
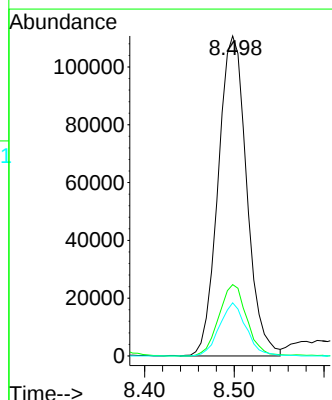
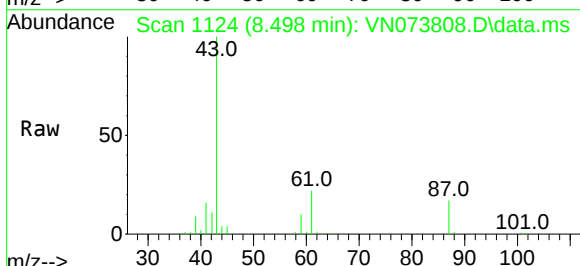
Tgt Ion: 43 Resp: 244442

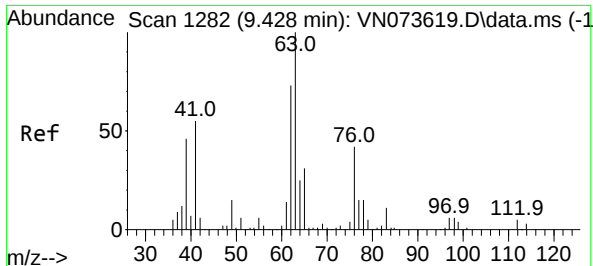
Ion Ratio Lower Upper

43 100

61 21.8 21.9 32.9

87 15.6 12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.783 ug/l

RT: 9.569 min Scan# 11

Delta R.T. 0.141 min

Lab File: VN073808.D

Acq: 10 Aug 2022 19:29

Instrument :

MSVOA_N

ClientSampleId :

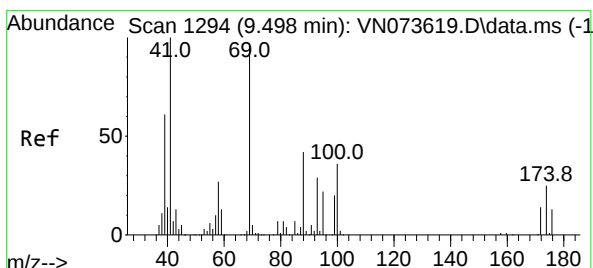
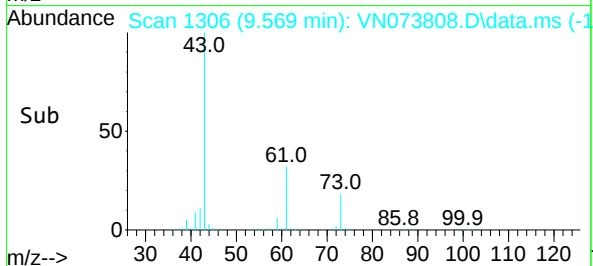
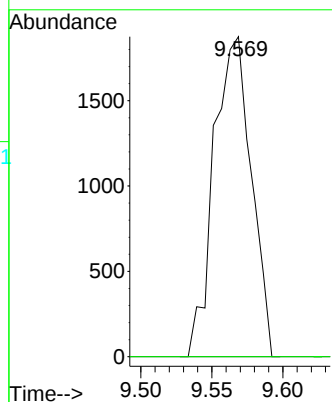
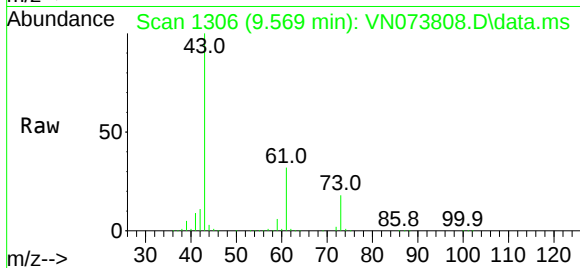
TP2-2FT

Tgt Ion: 63 Resp: 3434

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.158 ug/l

RT: 9.492 min Scan# 1293

Delta R.T. -0.006 min

Lab File: VN073808.D

Acq: 10 Aug 2022 19:29

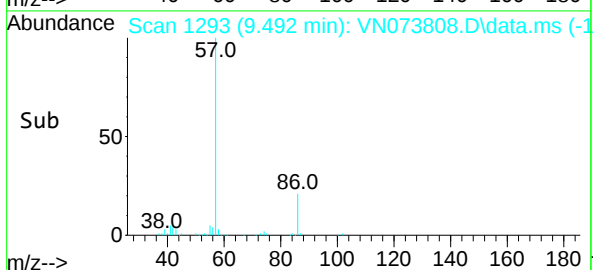
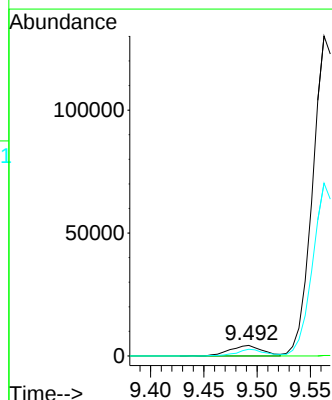
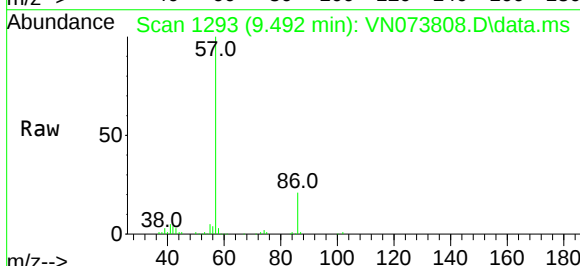
Tgt Ion: 41 Resp: 9084

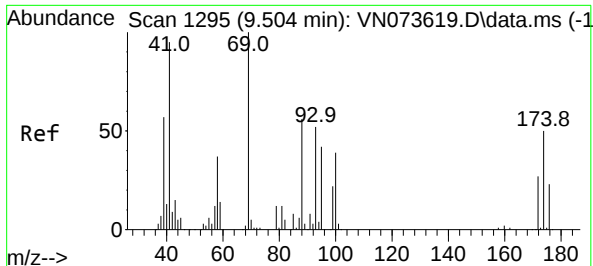
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 54.8 45.6 68.4

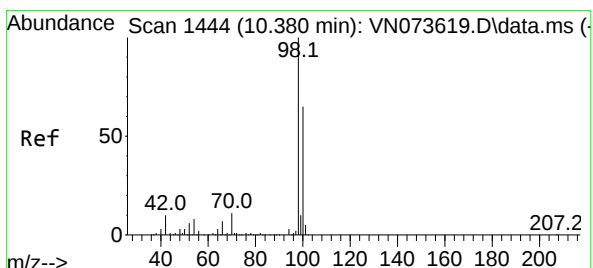
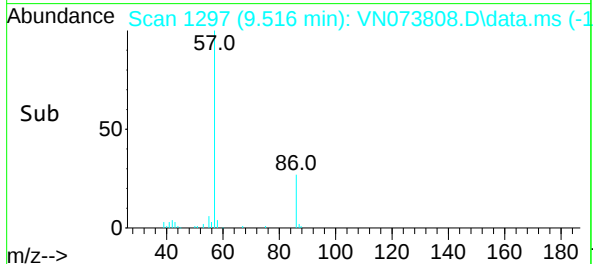
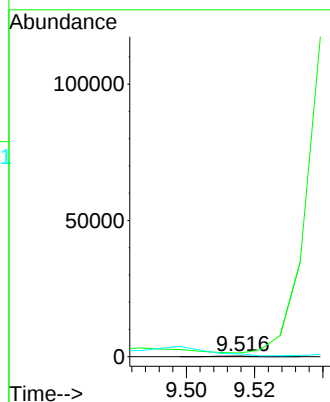
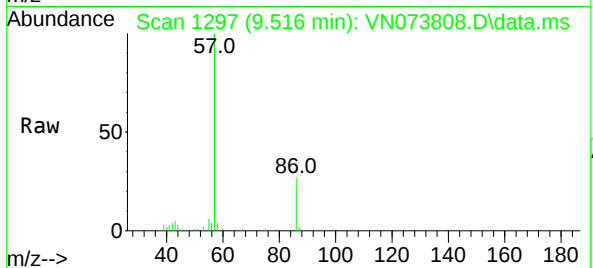




#49
1,4-Dioxane
Concen: 1.171 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

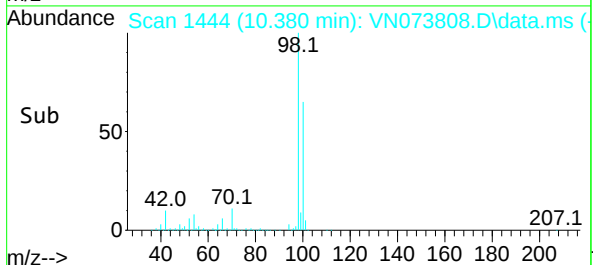
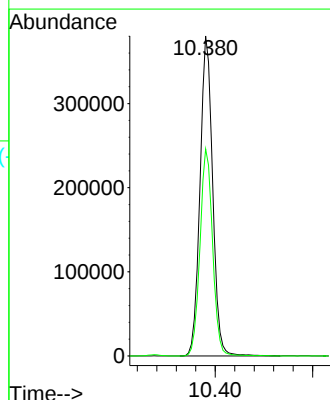
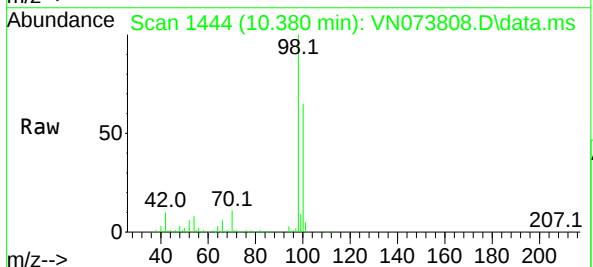
Instrument :
MSVOA_N
ClientSampleId :
TP2-2FT

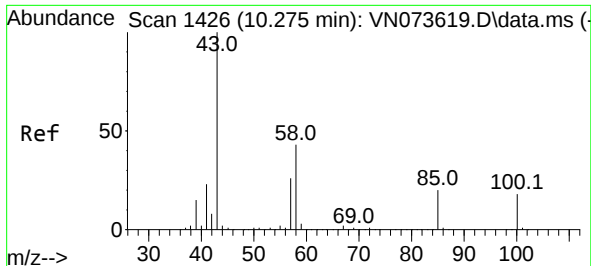
Tgt Ion: 88 Resp: 139
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 4764.7 54.2 81.4#



#50
Toluene-d8
Concen: 46.055 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

Tgt Ion: 98 Resp: 687498
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8

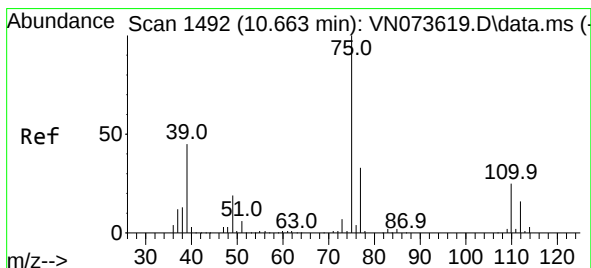
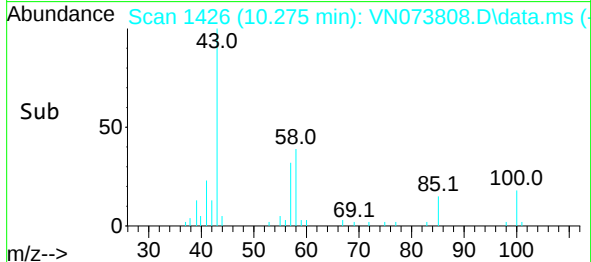
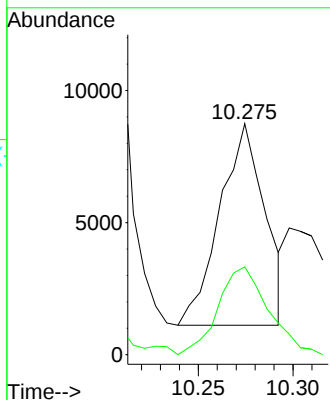
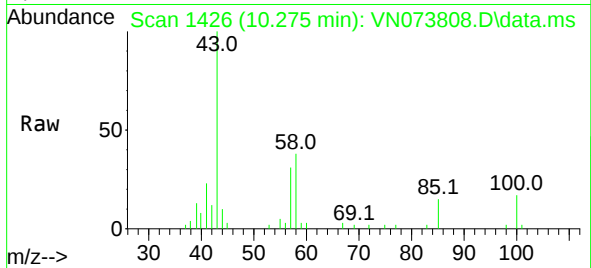




#51
4-Methyl-2-Pentanone
Concen: 1.835 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

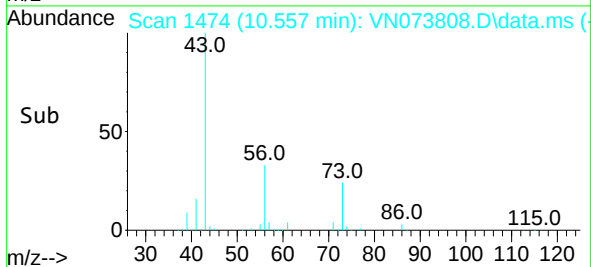
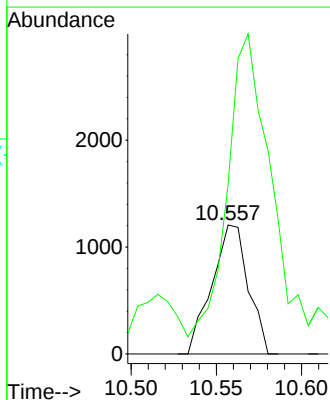
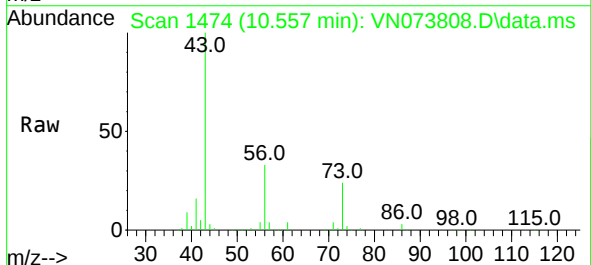
Instrument :
MSVOA_N
ClientSampleId :
TP2-2FT

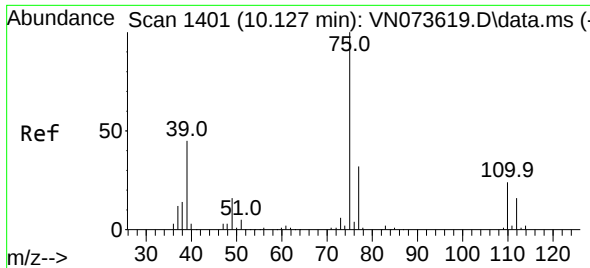
Tgt Ion: 43 Resp: 12659
Ion Ratio Lower Upper
43 100
58 48.5 34.1 51.1



#53
t-1,3-Dichloropropene
Concen: 0.310 ug/l
RT: 10.557 min Scan# 1474
Delta R.T. -0.106 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

Tgt Ion: 75 Resp: 1793
Ion Ratio Lower Upper
75 100
77 103.1 25.6 38.4#

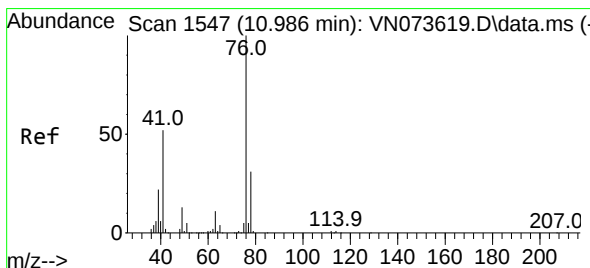
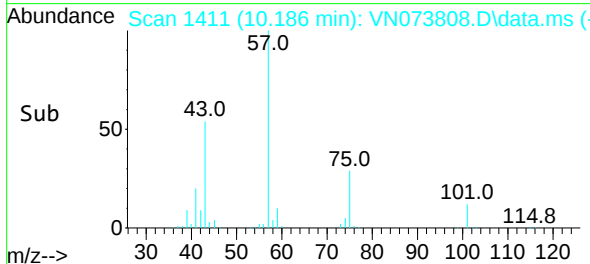
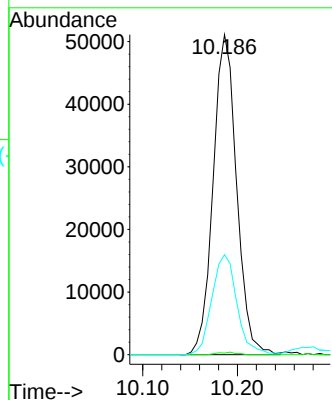
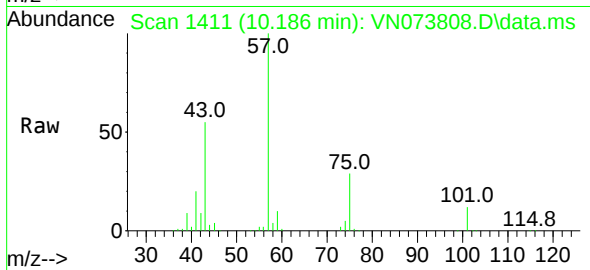




#54
 cis-1,3-Dichloropropene
 Concen: 13.526 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN073808.D
 Acq: 10 Aug 2022 19:29

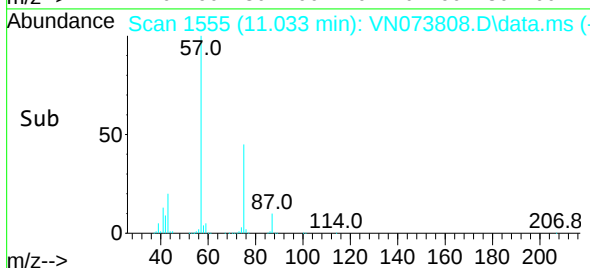
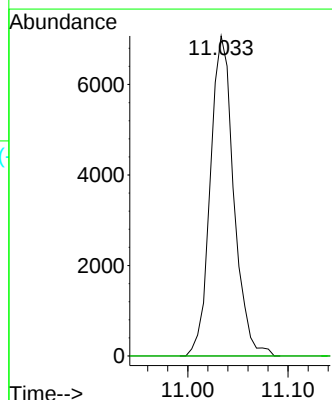
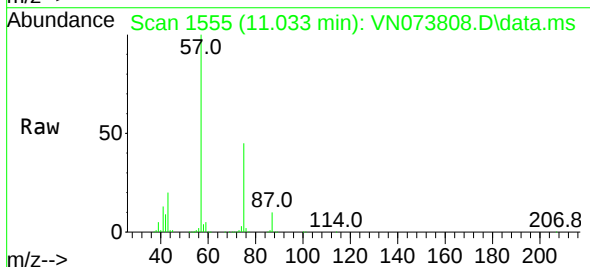
Instrument :
 MSVOA_N
 ClientSampleId :
 TP2-2FT

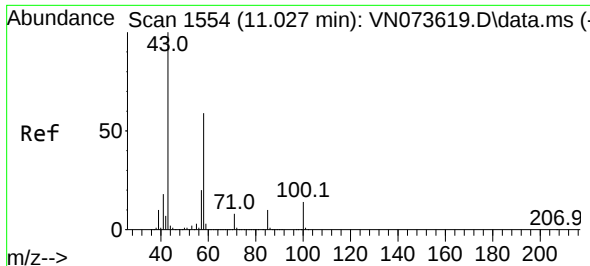
Tgt Ion: 75 Resp: 88022
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 30.8 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.518 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073808.D
 Acq: 10 Aug 2022 19:29

Tgt Ion: 76 Resp: 11515
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

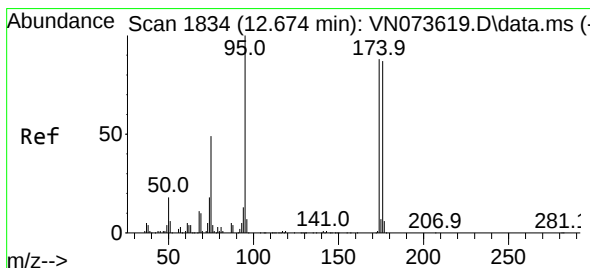
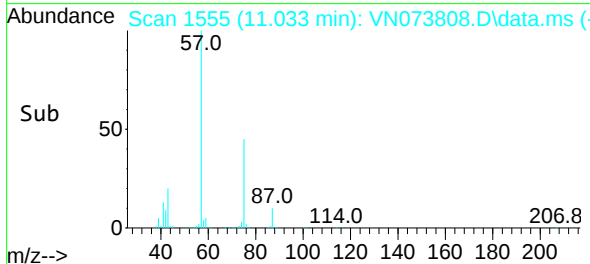
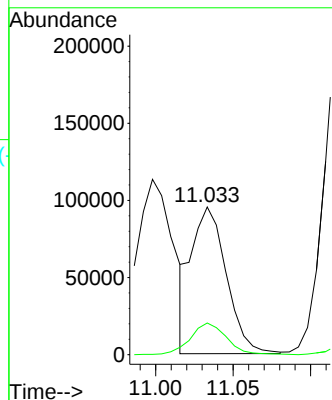
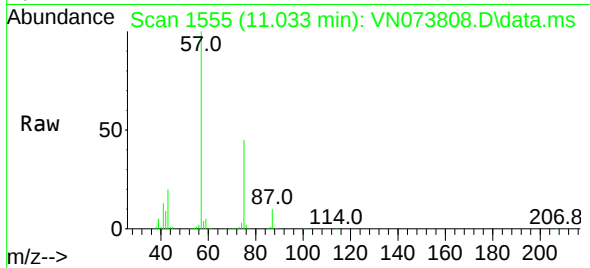




#59
2-Hexanone
Concen: 28.493 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

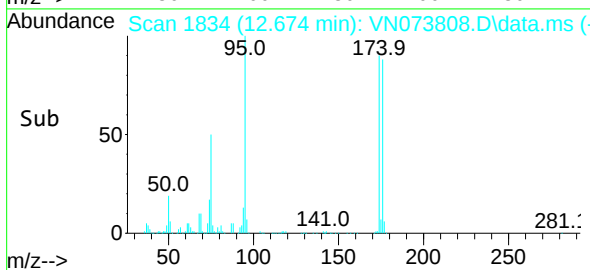
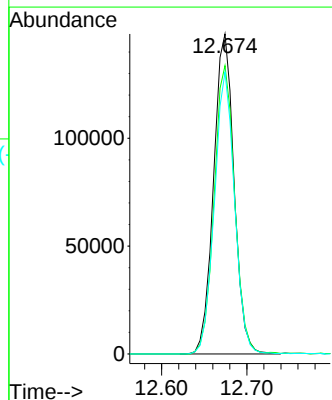
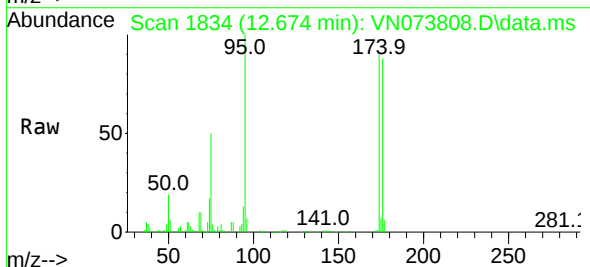
Instrument :
MSVOA_N
ClientSampleId :
TP2-2FT

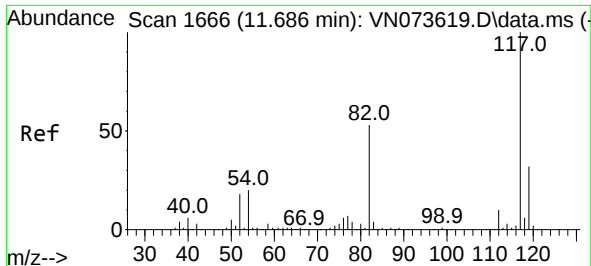
Tgt Ion: 43 Resp: 148908
Ion Ratio Lower Upper
43 100
58 22.5 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 47.384 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

Tgt Ion: 95 Resp: 247511
Ion Ratio Lower Upper
95 100
174 90.7 0.0 167.6
176 86.6 0.0 163.4

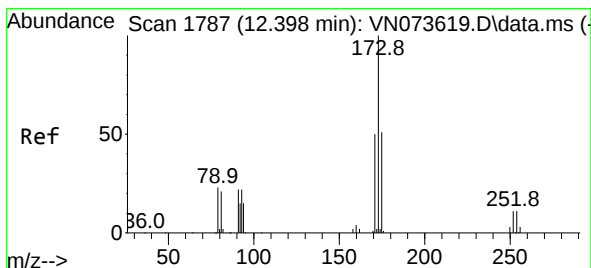
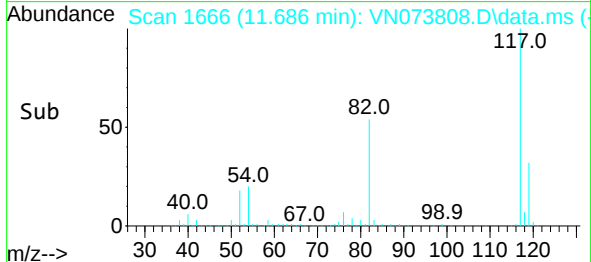
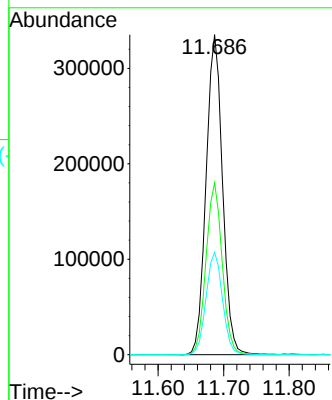
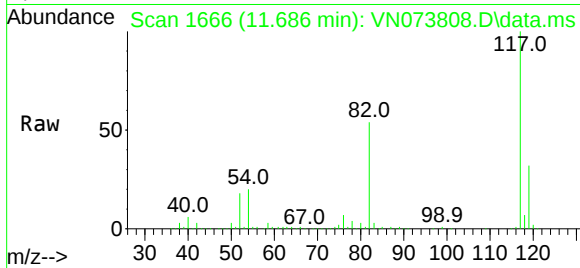




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

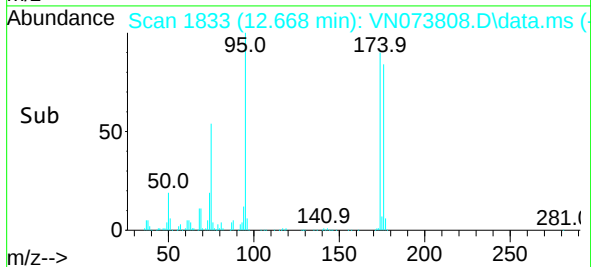
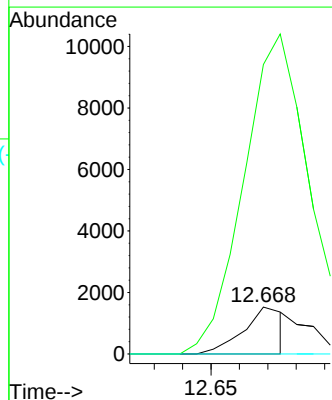
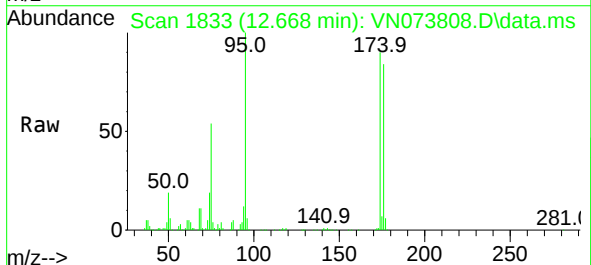
Instrument :
MSVOA_N
ClientSampleId :
TP2-2FT

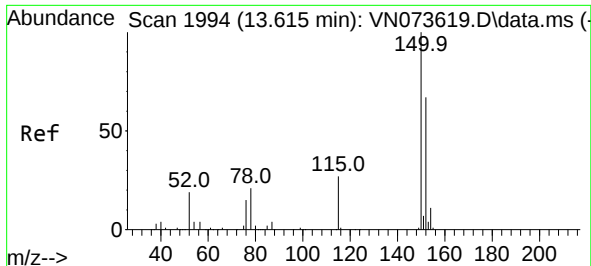
Tgt Ion:117 Resp: 585621
Ion Ratio Lower Upper
117 100
82 53.7 44.2 66.2
119 32.1 25.4 38.0



#71
Bromoform
Concen: 0.412 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073808.D
Acq: 10 Aug 2022 19:29

Tgt Ion:173 Resp: 1516
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

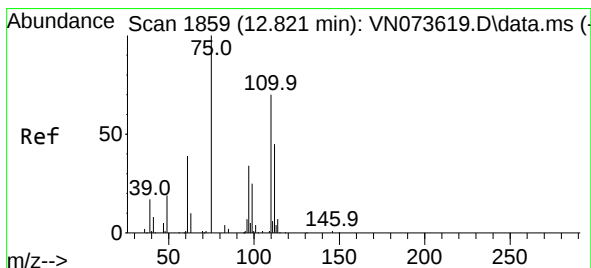
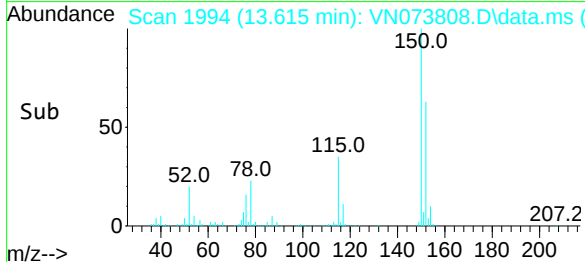
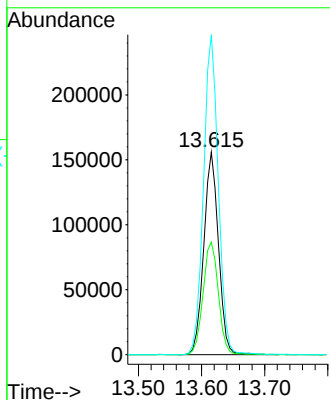
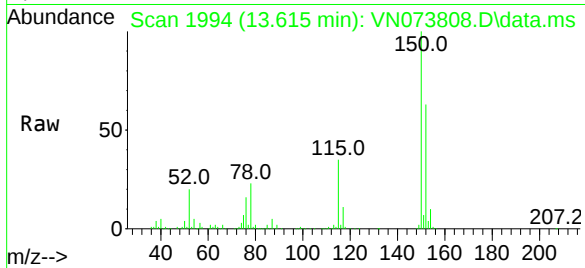




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. -0.000 min
 Lab File: VN073808.D
 Acq: 10 Aug 2022 19:29

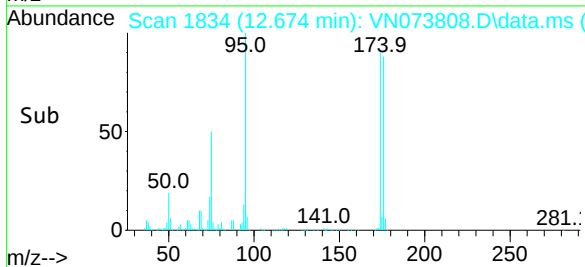
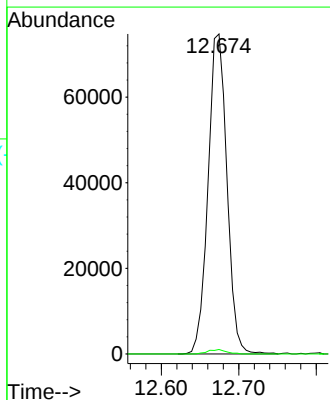
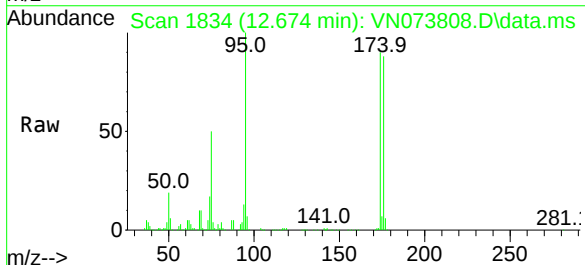
Instrument :
 MSVOA_N
 ClientSampleId :
 TP2-2FT

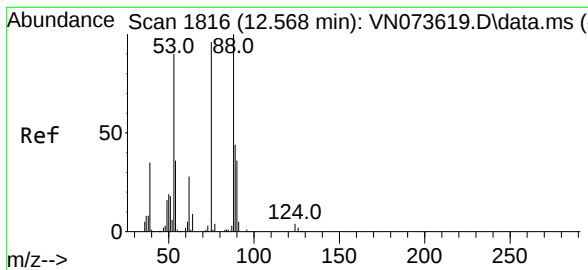
Tgt Ion:152 Resp: 252431
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.9 86.7
 150 158.7 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 25.771 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN073808.D
 Acq: 10 Aug 2022 19:29

Tgt Ion: 75 Resp: 126396
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.889 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073808.D
 Acq: 10 Aug 2022 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 TP2-2FT

Tgt Ion: 75 Resp: 126396
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

