

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062122\
 Data File : VN073010.D
 Acq On : 22 Jun 2022 07:43
 Operator : JC\MD
 Sample : PB145646TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB145646TB

Quant Time: Jun 22 09:16:47 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)

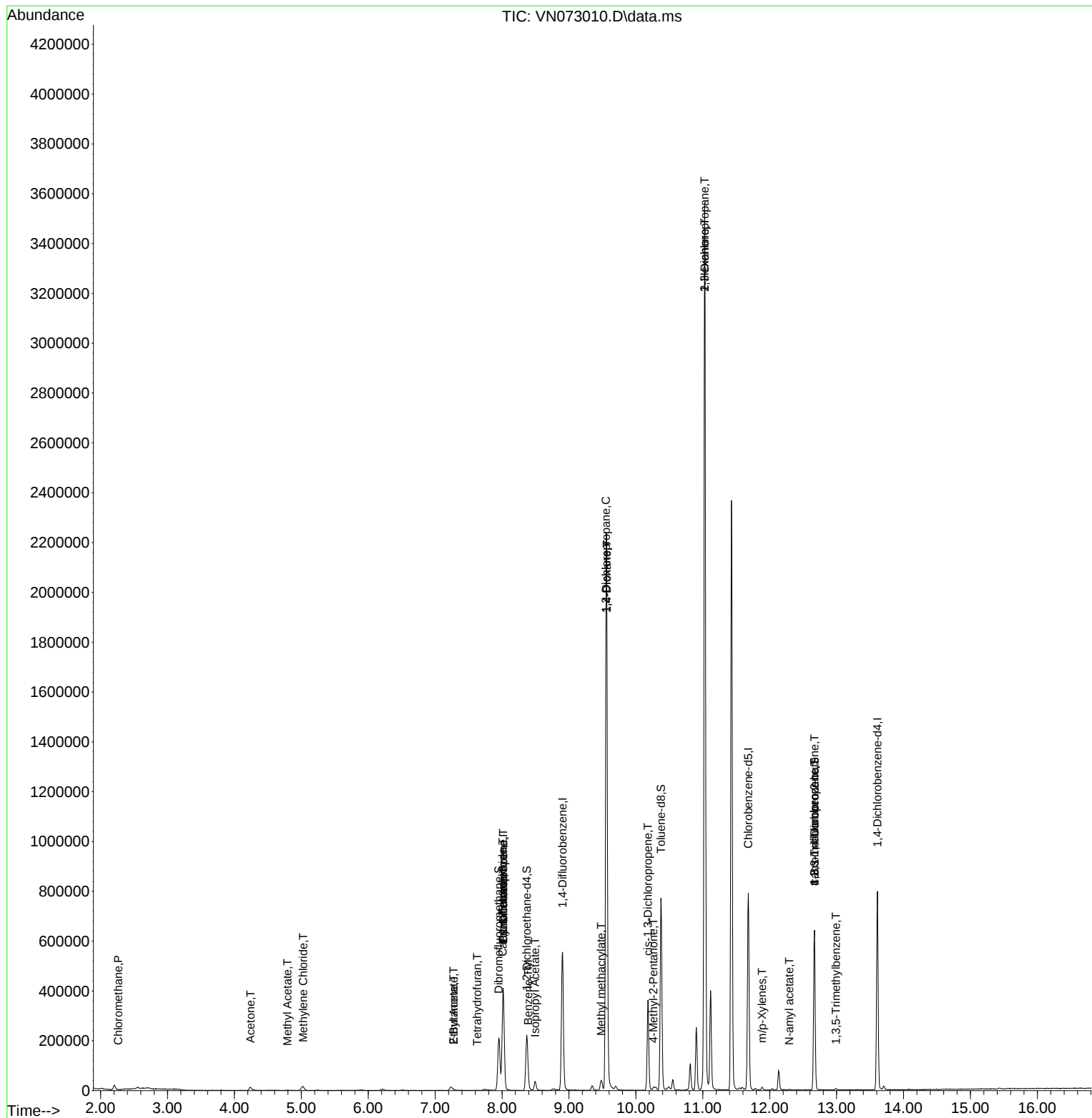
Internal Standards						
1) Pentafluorobenzene	8.016	168	307094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	492312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	447966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	207676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	186166	44.839	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.680%		
35) Dibromofluoromethane	7.951	113	158197	51.988	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.980%		
50) Toluene-d8	10.374	98	521054	46.018	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.040%		
62) 4-Bromofluorobenzene	12.668	95	218972	53.781	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.560%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	527	0.735	ug/l #	79
16) Acetone	4.240	43	23300	10.209	ug/l	99
18) Methyl Acetate	4.792	43	3425	0.564	ug/l #	73
20) Methylene Chloride	5.028	84	13002	3.448	ug/l	92
25) 2-Butanone	7.275	43	4544	1.255	ug/l	98
26) 2,2-Dichloropropane	7.257	77	187	Below Cal	#	53
29) Tetrahydrofuran	7.628	42	885	0.370	ug/l #	55
31) Cyclohexane	8.016	56	7105	1.265	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	25170	6.113	ug/l #	50
37) Ethyl Acetate	7.275	43	4544	0.690	ug/l #	67
38) Carbon Tetrachloride	8.010	117	29666	6.850	ug/l #	18
40) Benzene	8.392	78	4529	0.350	ug/l #	85
43) Isopropyl Acetate	8.492	43	41575	4.416	ug/l #	86
45) 1,2-Dichloropropane	9.551	63	2823	0.853	ug/l #	44
48) Methyl methacrylate	9.480	41	12689	2.952	ug/l #	10
49) 1,4-Dioxane	9.569	88	209	2.161	ug/l #	1
51) 4-Methyl-2-Pentanone	10.263	43	8907	1.451	ug/l	91
54) cis-1,3-Dichloropropene	10.180	75	62983	12.063	ug/l #	64
57) 1,3-Dichloropropane	11.027	76	36784	6.356	ug/l #	42
59) 2-Hexanone	11.027	43	568990	119.832	ug/l #	43
68) m/p-Xylenes	11.886	106	3823	0.633	ug/l	86
74) N-amyl acetate	12.292	43	2146	0.257	ug/l #	39
76) 1,2,3-Trichloropropane	12.668	75	112678	22.379	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.992	105	2776	0.210	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.668	75	112678	60.436	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.445	75	53	Below Cal	#	1

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

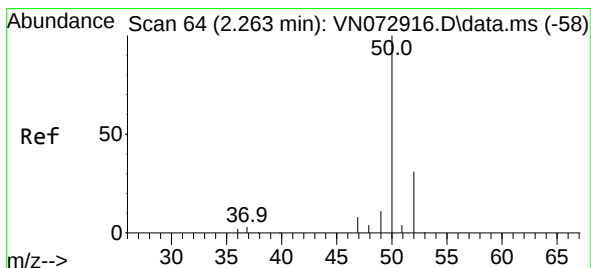
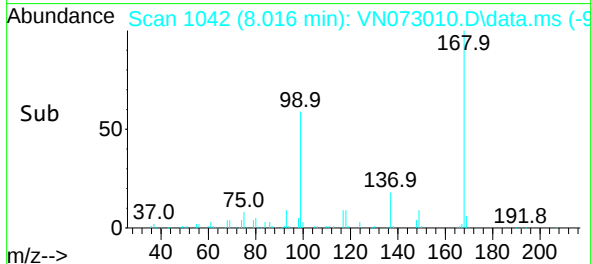
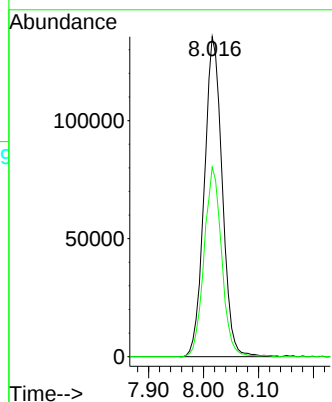
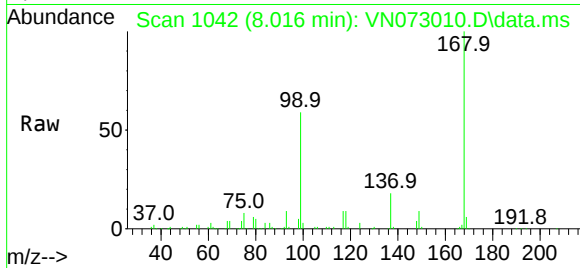




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

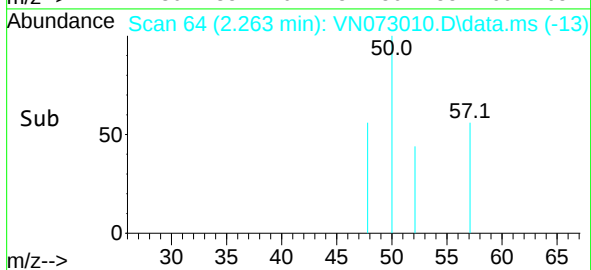
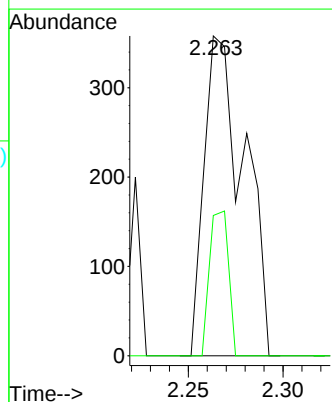
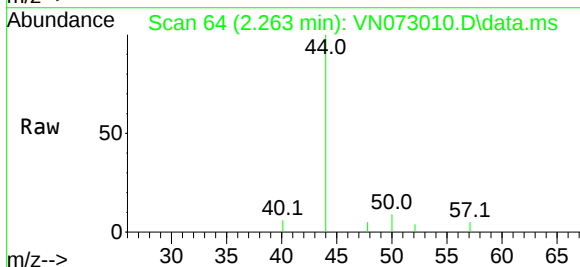
Instrument :
MSVOA_N
ClientSampleId :
PB145646TB

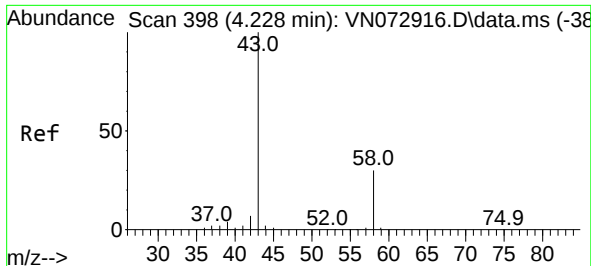
Tgt Ion:168 Resp: 307094
Ion Ratio Lower Upper
168 100
99 59.3 42.3 63.5



#3
Chloromethane
Concen: 0.735 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

Tgt Ion: 50 Resp: 527
Ion Ratio Lower Upper
50 100
52 43.9 25.7 38.5#

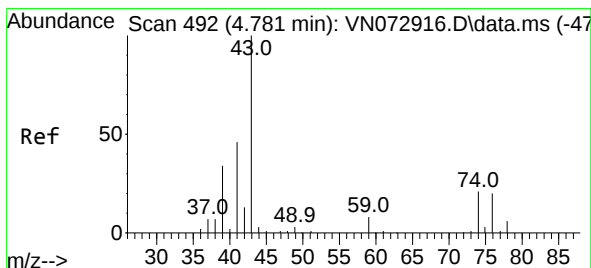
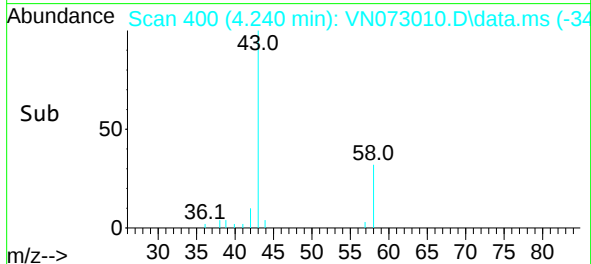
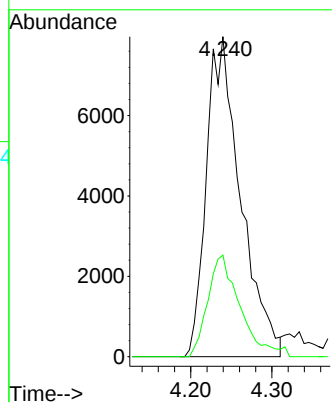
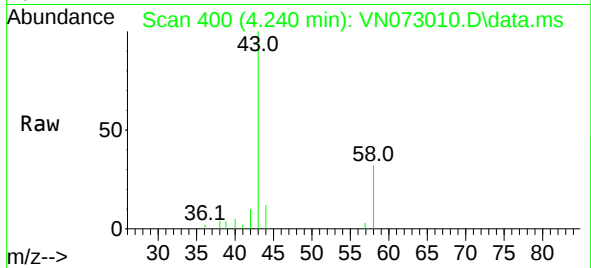




#16
Acetone
Concen: 10.209 ug/l
RT: 4.240 min Scan# 40
Delta R.T. 0.012 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

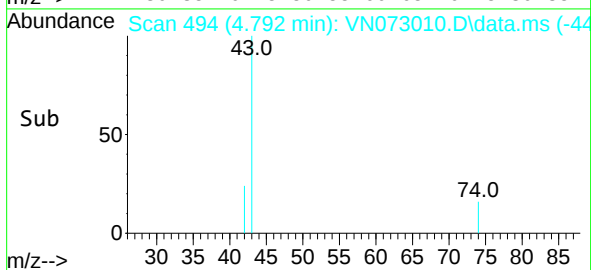
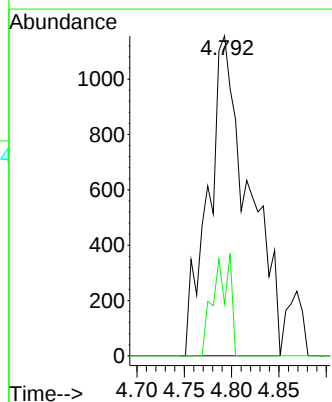
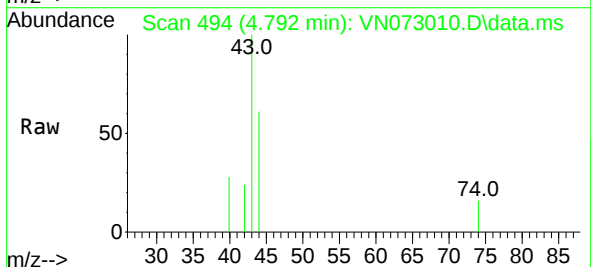
Instrument :
MSVOA_N
ClientSampleId :
PB145646TB

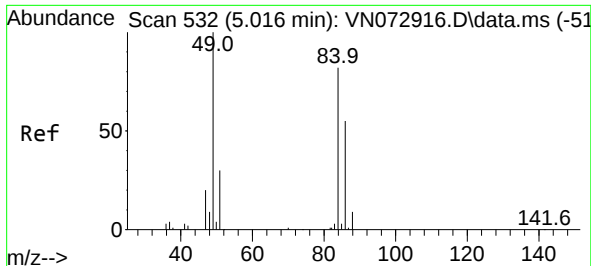
Tgt Ion: 43 Resp: 23300
Ion Ratio Lower Upper
43 100
58 31.8 26.0 39.0



#18
Methyl Acetate
Concen: 0.564 ug/l
RT: 4.792 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

Tgt Ion: 43 Resp: 3425
Ion Ratio Lower Upper
43 100
74 13.3 21.6 32.4#

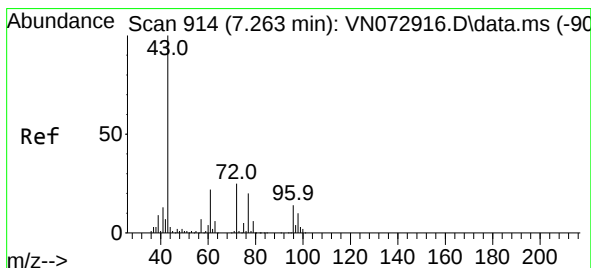
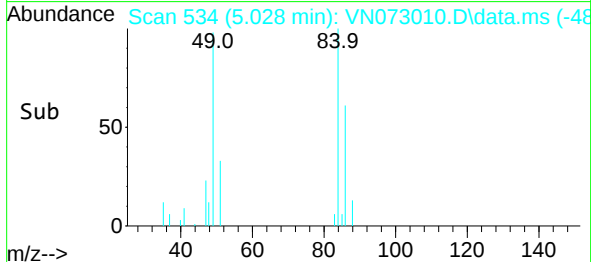
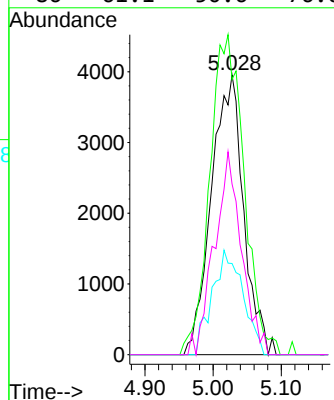
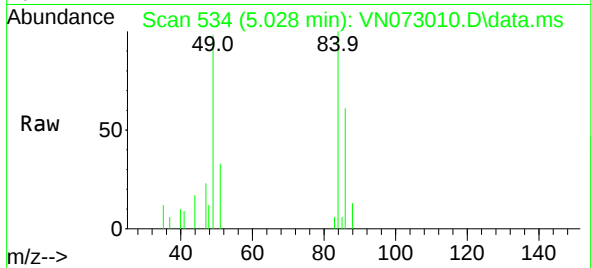




#20
Methylene Chloride
Concen: 3.448 ug/l
RT: 5.028 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

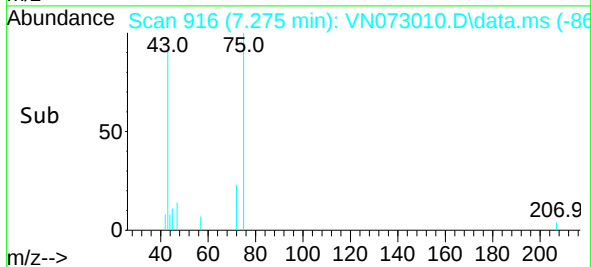
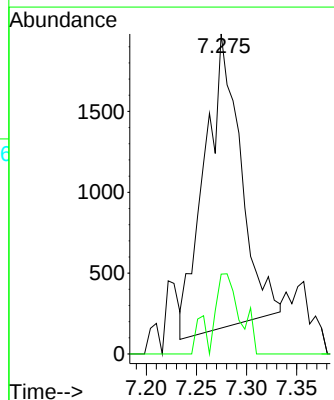
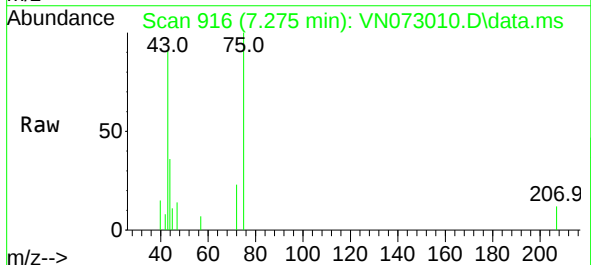
Instrument :
MSVOA_N
ClientSampleId :
PB145646TB

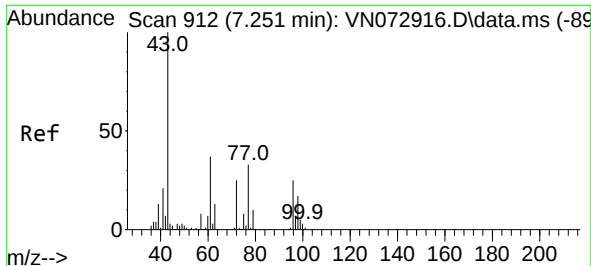
Tgt Ion:	84	Resp:	13002
Ion	Ratio	Lower	Upper
84	100		
49	98.4	88.3	132.5
51	32.6	28.2	42.2
86	61.1	50.6	76.0



#25
2-Butanone
Concen: 1.255 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.012 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

Tgt Ion:	43	Resp:	4544
Ion	Ratio	Lower	Upper
43	100		
72	28.8	23.7	35.5

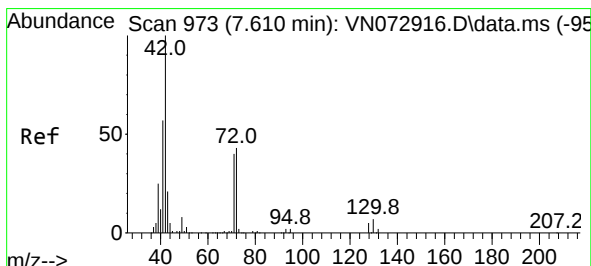
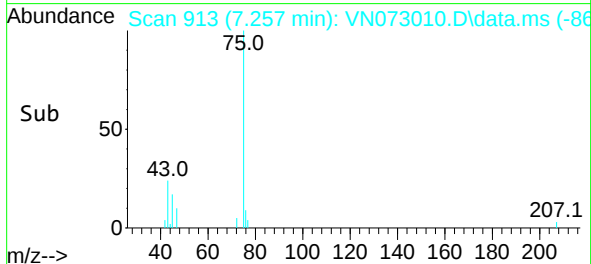
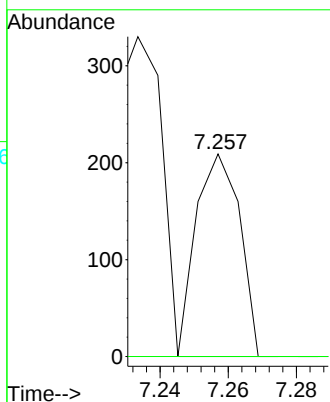
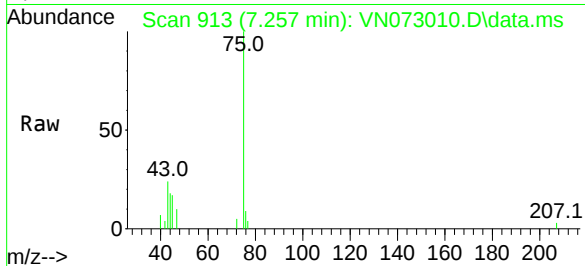




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.257 min Scan# 912
Delta R.T. 0.006 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

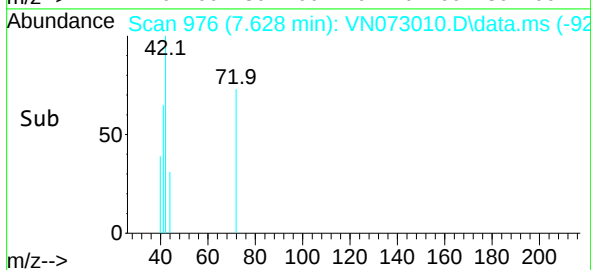
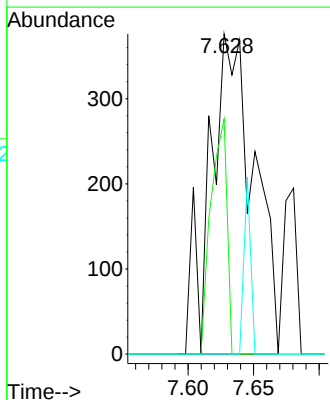
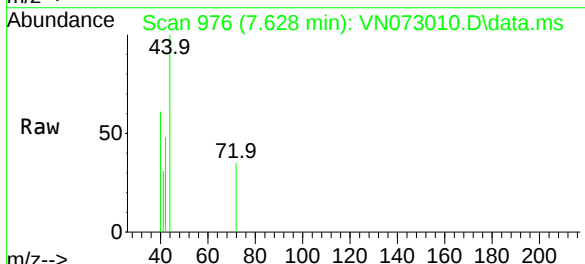
Instrument :
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ClientSampleId :
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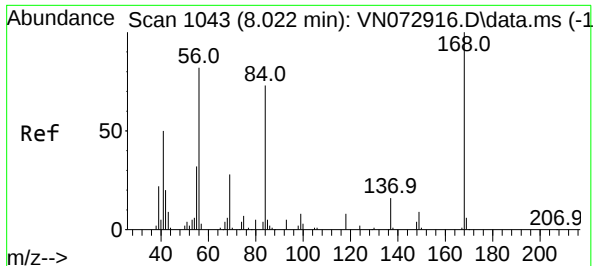
Tgt Ion: 77 Resp: 187
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.370 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

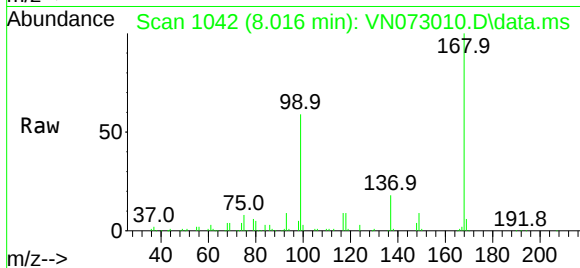
Tgt Ion: 42 Resp: 885
Ion Ratio Lower Upper
42 100
72 26.6 39.7 59.5#
71 8.2 36.6 55.0#



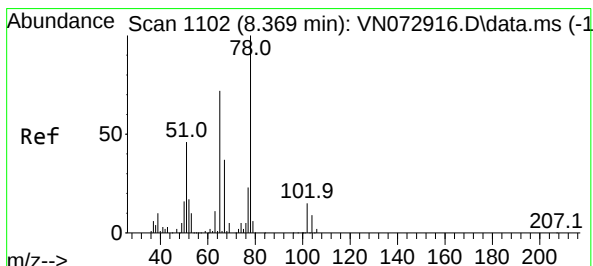
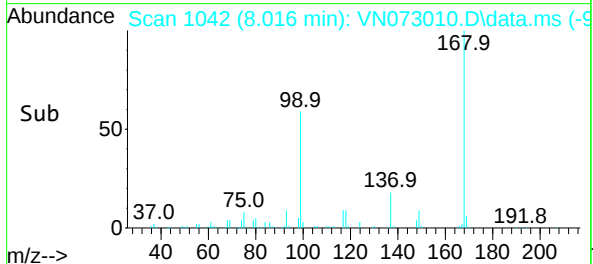
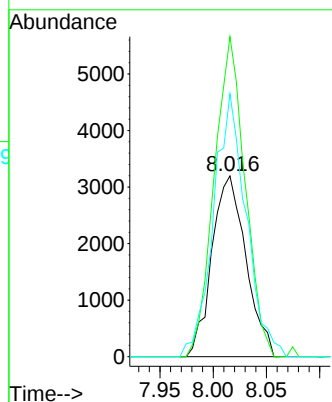


#31
Cyclohexane
Concen: 1.265 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

Instrument :
MSVOA_N
ClientSampleId :
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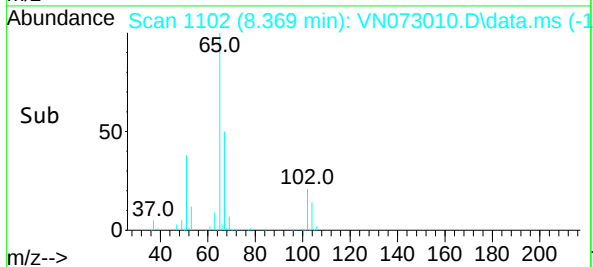
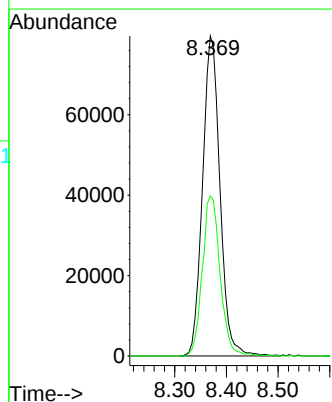
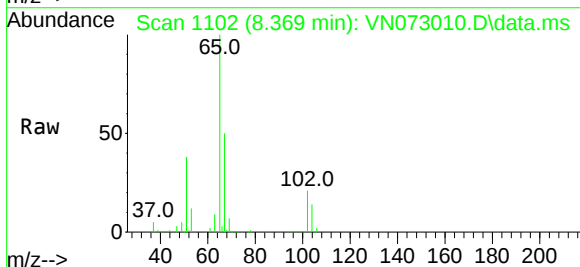


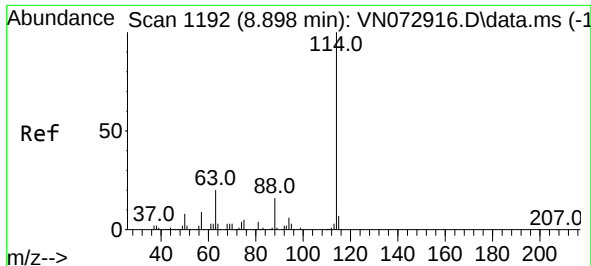
Tgt Ion: 56 Resp: 7105
Ion Ratio Lower Upper
56 100
69 177.0 27.8 41.8#
84 145.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 44.839 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

Tgt Ion: 65 Resp: 186166
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# 11

Delta R.T. 0.006 min

Lab File: VN073010.D

Acq: 22 Jun 2022 07:43

Instrument :

MSVOA_N

ClientSampleId :

PB145646TB

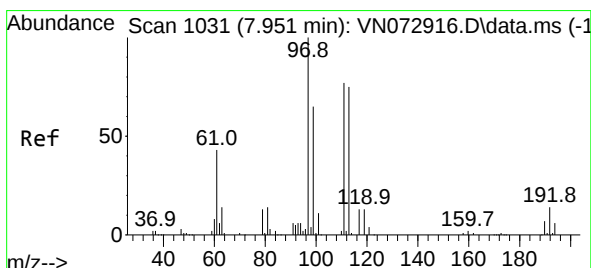
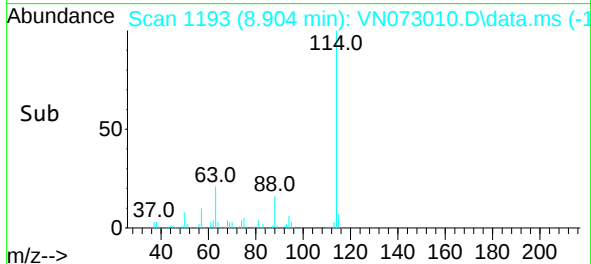
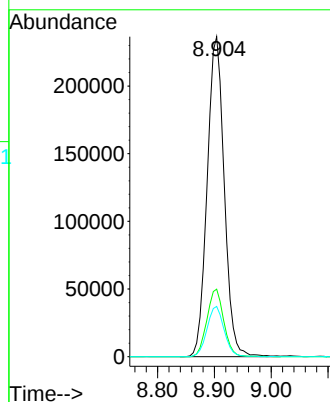
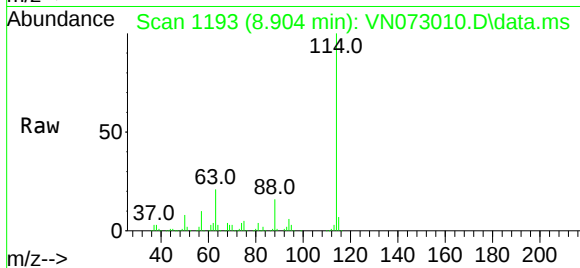
Tgt Ion:114 Resp: 492312

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.0

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.988 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN073010.D

Acq: 22 Jun 2022 07:43

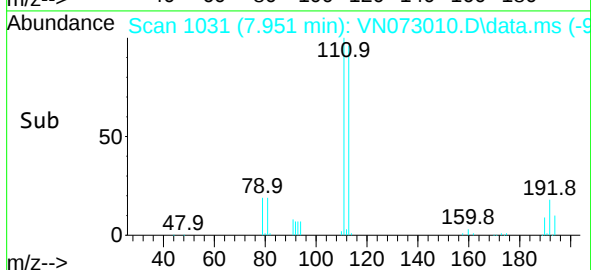
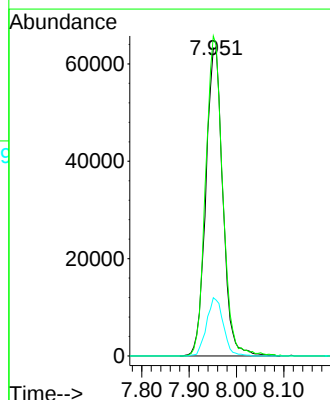
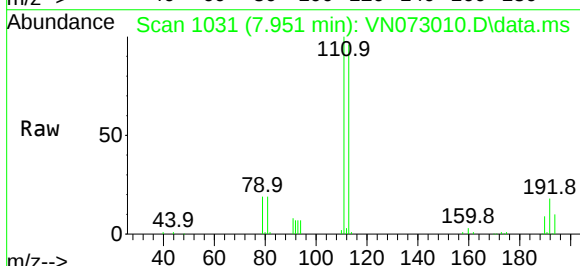
Tgt Ion:113 Resp: 158197

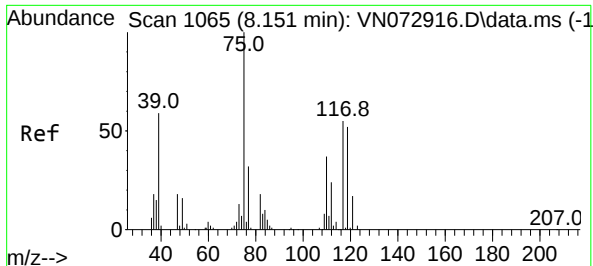
Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

192 18.6 17.0 25.6





#36

1,1-Dichloropropene

Concen: 6.113 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN073010.D

Acq: 22 Jun 2022 07:43

Instrument :

MSVOA_N

ClientSampleId :

PB145646TB

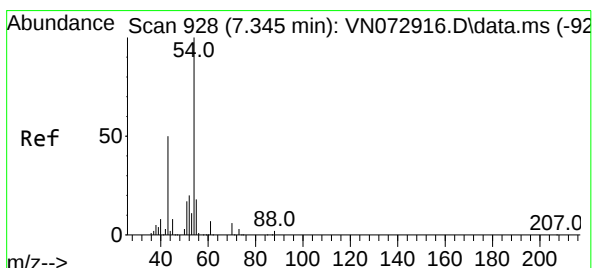
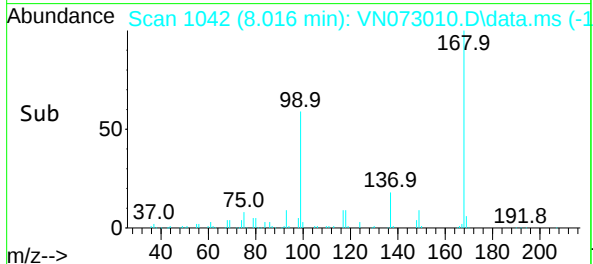
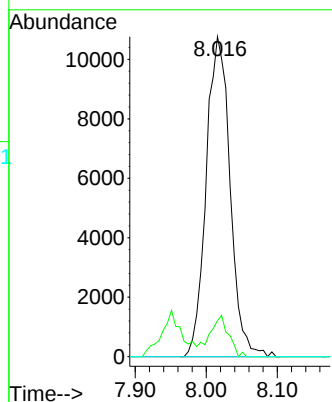
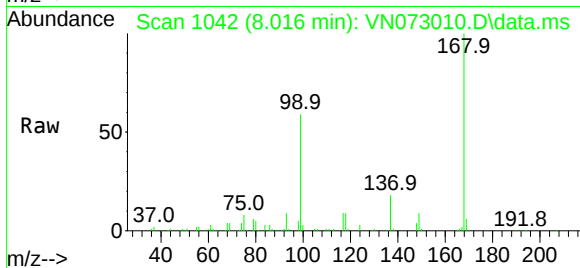
Tgt Ion: 75 Resp: 25170

Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.690 ug/l

RT: 7.275 min Scan# 916

Delta R.T. -0.071 min

Lab File: VN073010.D

Acq: 22 Jun 2022 07:43

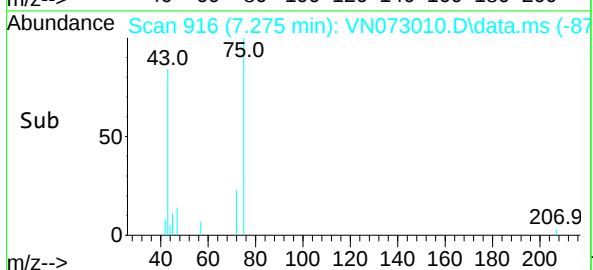
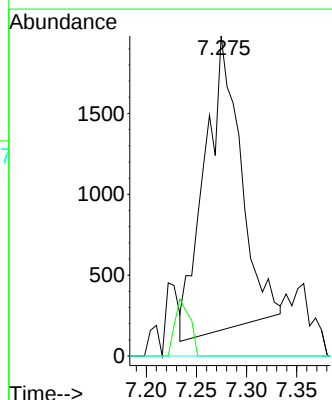
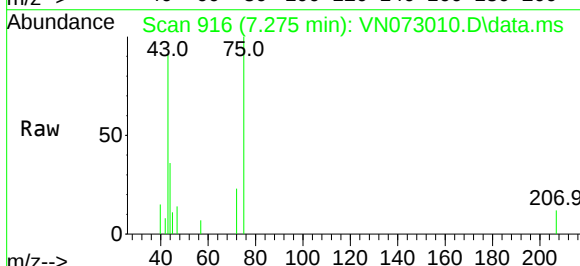
Tgt Ion: 43 Resp: 4544

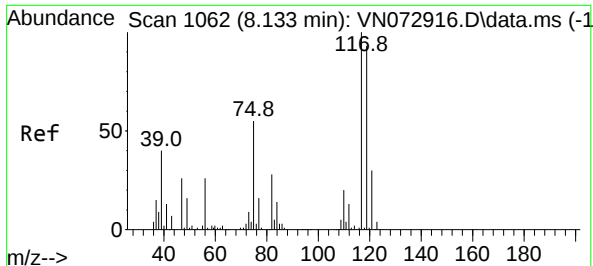
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 9.3 13.9#

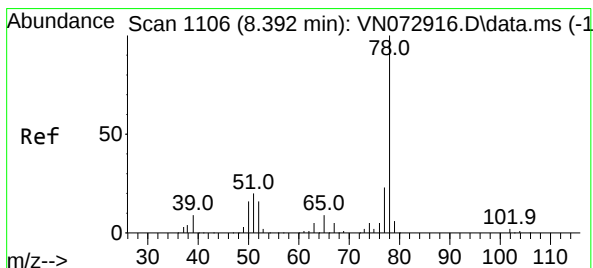
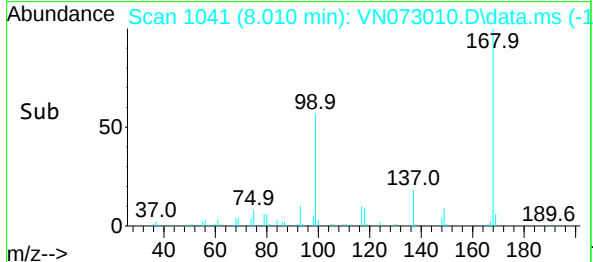
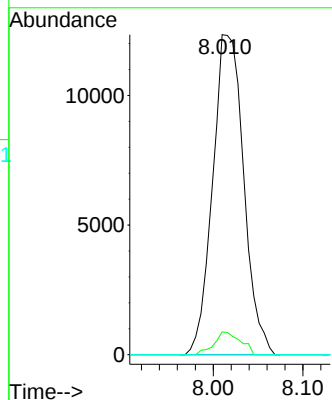
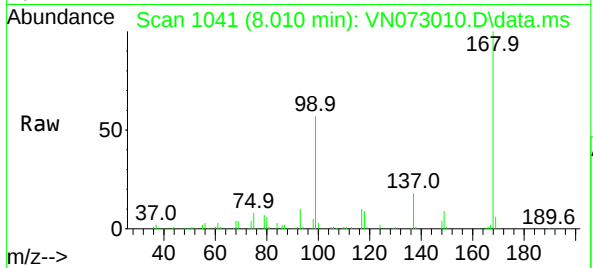




#38
Carbon Tetrachloride
Concen: 6.850 ug/l
RT: 8.010 min Scan# 1106
Delta R.T. -0.124 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

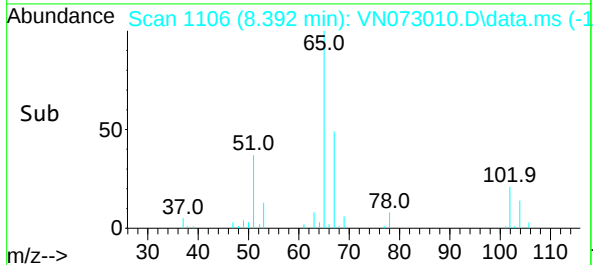
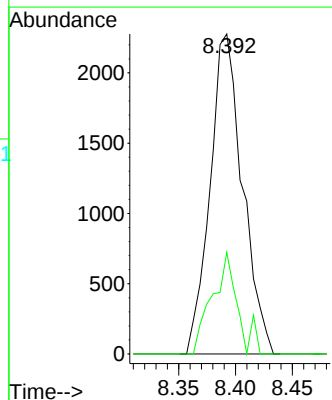
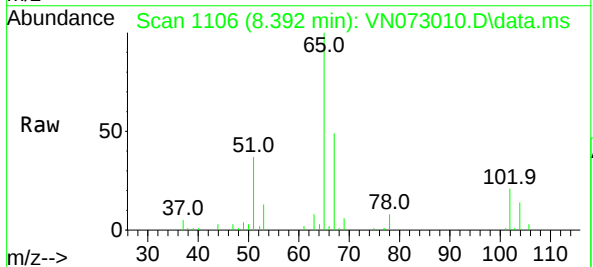
Instrument :
MSVOA_N
ClientSampleId :
PB145646TB

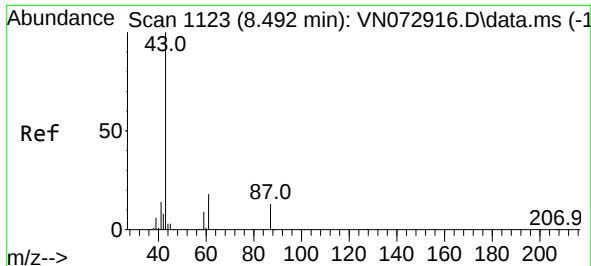
Tgt Ion:117 Resp: 29666
Ion Ratio Lower Upper
117 100
119 7.1 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.350 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

Tgt Ion: 78 Resp: 4529
Ion Ratio Lower Upper
78 100
77 31.8 19.4 29.0#

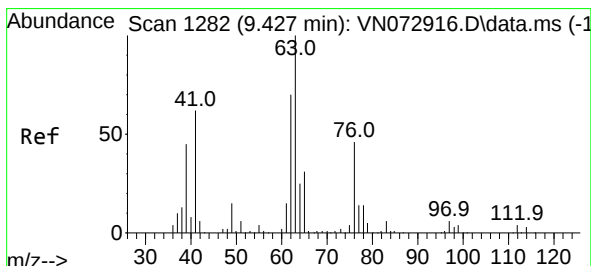
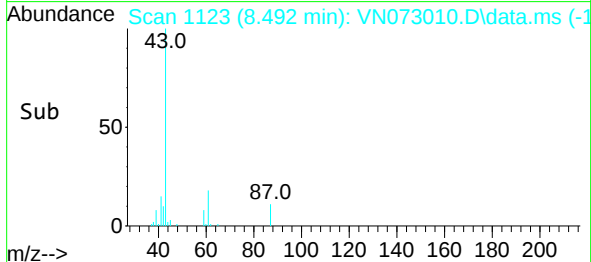
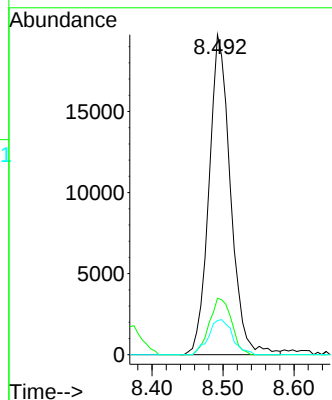
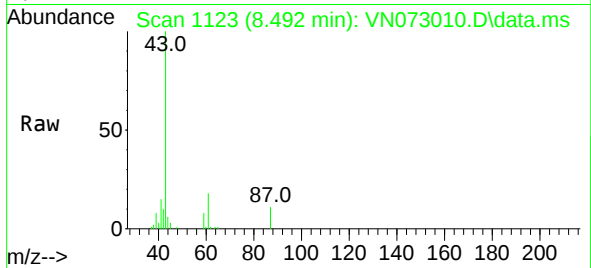




#43
Isopropyl Acetate
Concen: 4.416 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

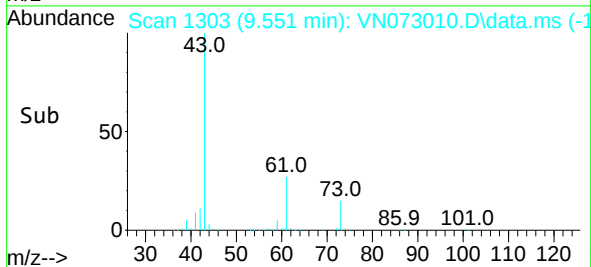
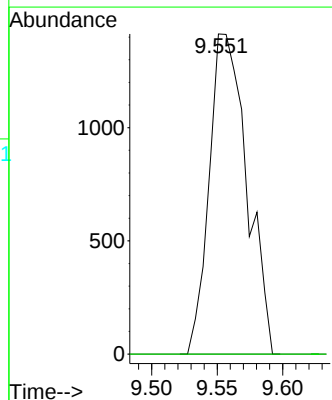
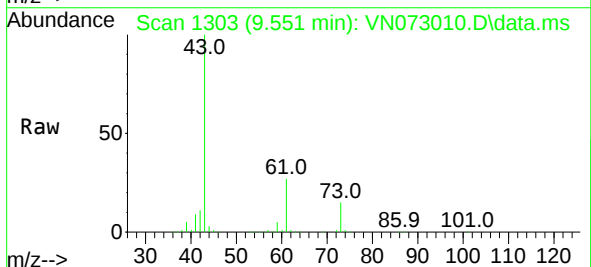
Instrument :
MSVOA_N
ClientSampleId :
PB145646TB

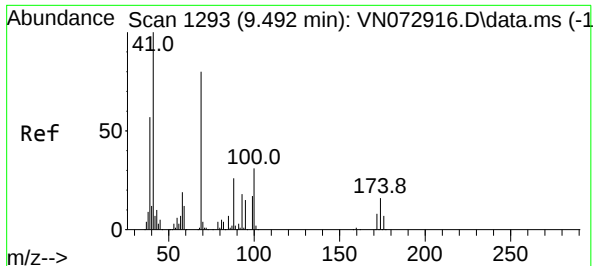
Tgt Ion: 43 Resp: 41575
Ion Ratio Lower Upper
43 100
61 18.1 21.9 32.9#
87 12.2 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.853 ug/l
RT: 9.551 min Scan# 1303
Delta R.T. 0.123 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

Tgt Ion: 63 Resp: 2823
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.952 ug/l

RT: 9.480 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN073010.D

Acq: 22 Jun 2022 07:43

Instrument :

MSVOA_N

ClientSampleId :

PB145646TB

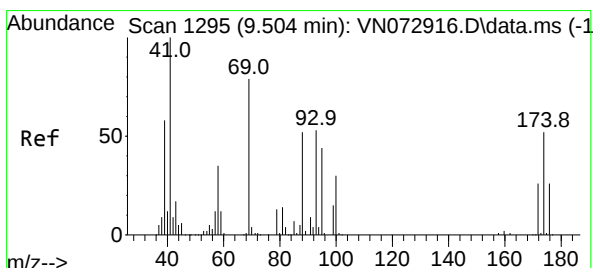
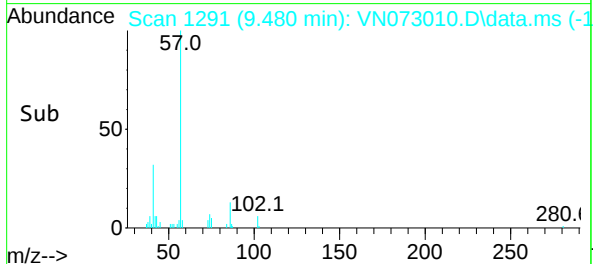
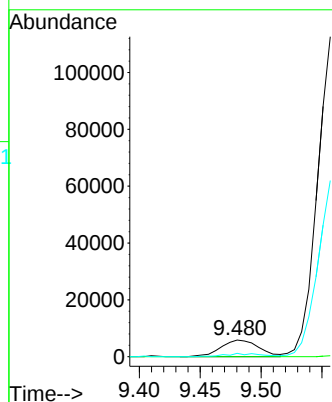
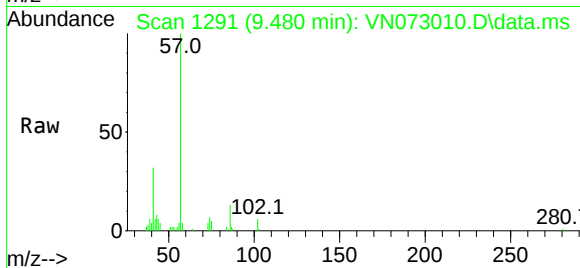
Tgt Ion: 41 Resp: 12689

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: 2.161 ug/l

RT: 9.569 min Scan# 1306

Delta R.T. 0.065 min

Lab File: VN073010.D

Acq: 22 Jun 2022 07:43

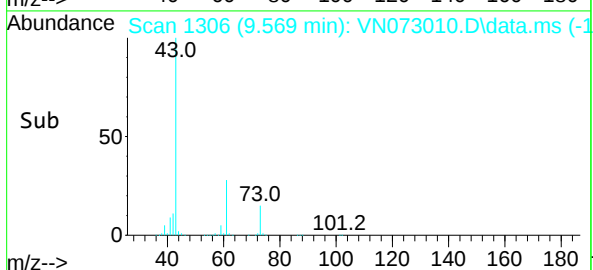
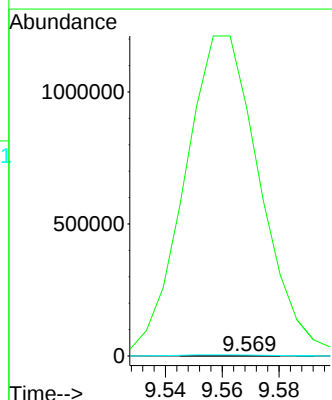
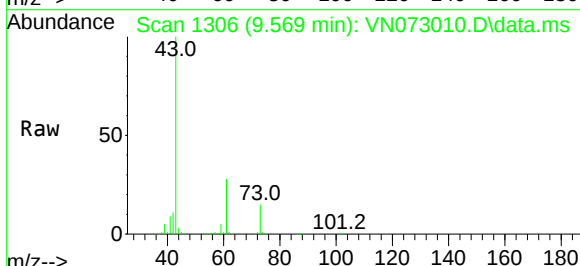
Tgt Ion: 88 Resp: 209

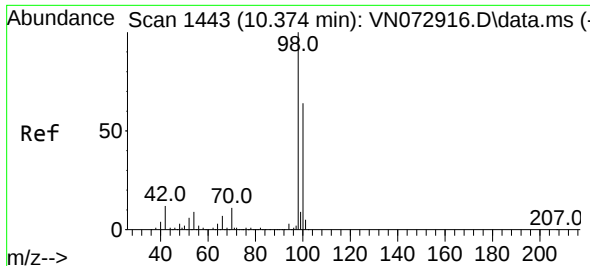
Ion Ratio Lower Upper

88 100

43 1093981.3 20.2 30.4#

58 4573.7 54.2 81.4#

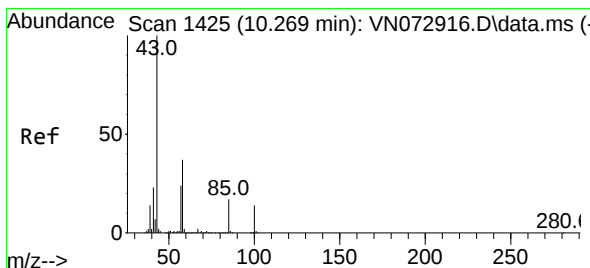
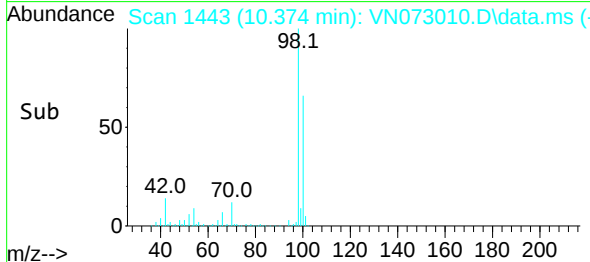
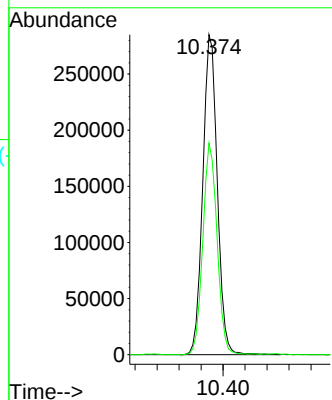
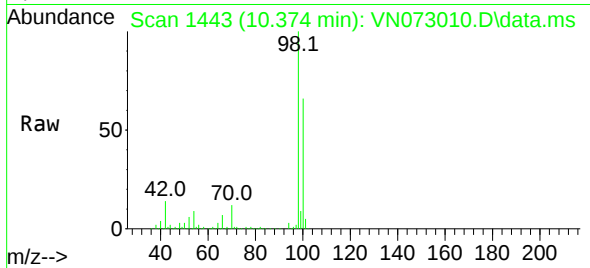




#50
Toluene-d8
Concen: 46.018 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

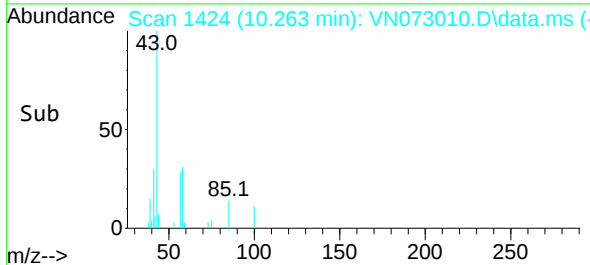
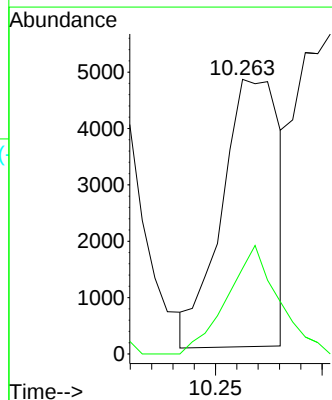
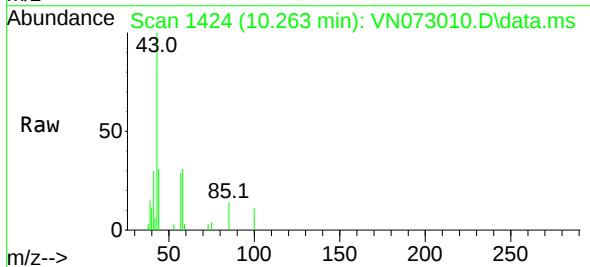
Instrument :
MSVOA_N
ClientSampleId :
PB145646TB

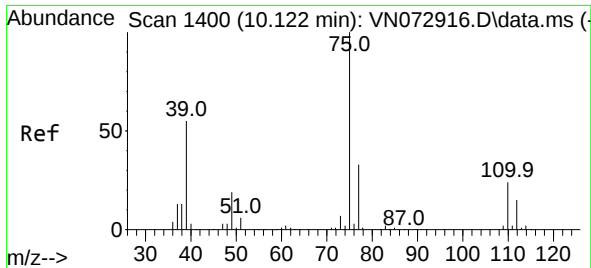
Tgt Ion: 98 Resp: 521054
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.451 ug/l
RT: 10.263 min Scan# 1424
Delta R.T. -0.006 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

Tgt Ion: 43 Resp: 8907
Ion Ratio Lower Upper
43 100
58 36.8 34.1 51.1

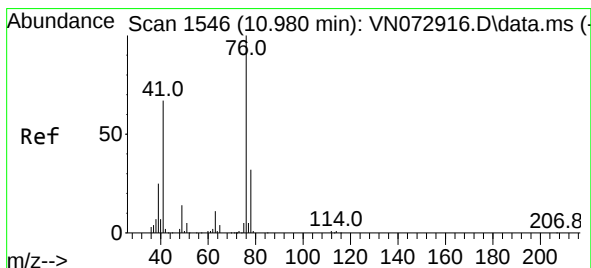
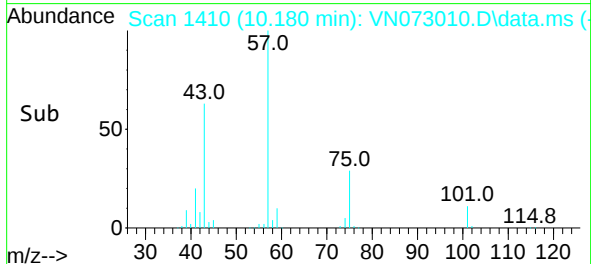
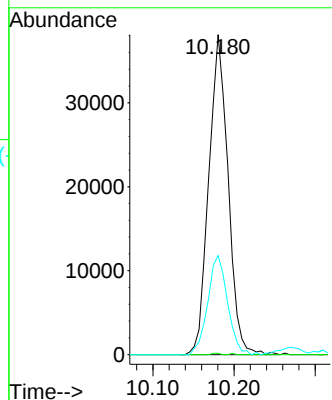
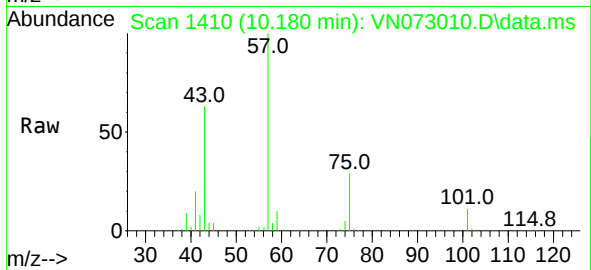




#54
 cis-1,3-Dichloropropene
 Concen: 12.063 ug/l
 RT: 10.180 min Scan# 1400
 Delta R.T. 0.059 min
 Lab File: VN073010.D
 Acq: 22 Jun 2022 07:43

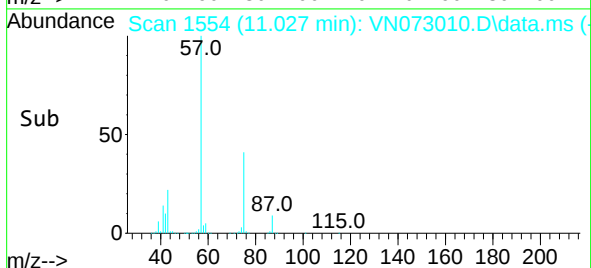
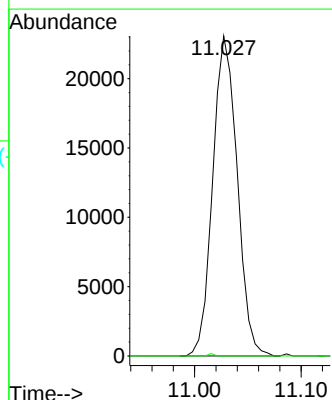
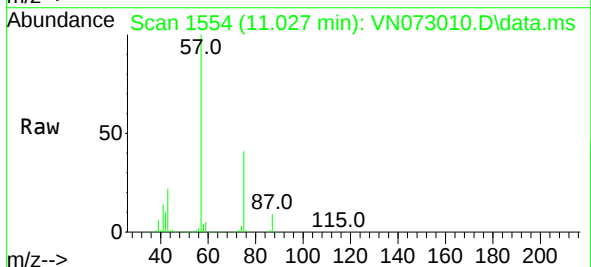
Instrument :
 MSVOA_N
 ClientSampleId :
 PB145646TB

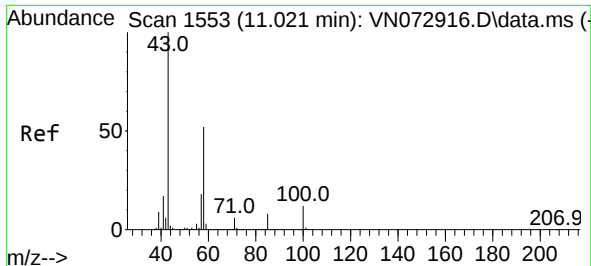
Tgt Ion: 75 Resp: 62983
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 30.9 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 6.356 ug/l
 RT: 11.027 min Scan# 1554
 Delta R.T. 0.047 min
 Lab File: VN073010.D
 Acq: 22 Jun 2022 07:43

Tgt Ion: 76 Resp: 36784
 Ion Ratio Lower Upper
 76 100
 78 0.2 26.2 39.2#

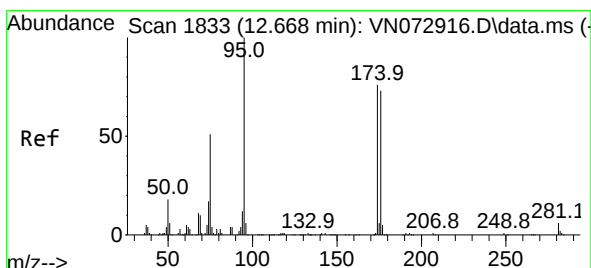
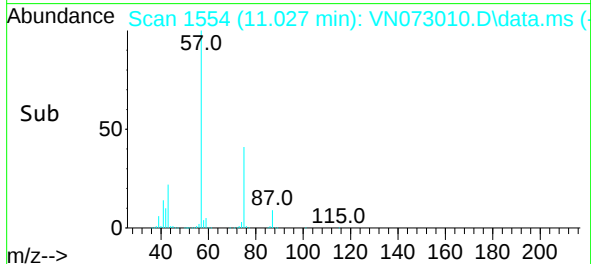
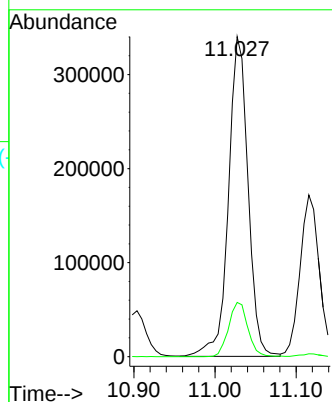
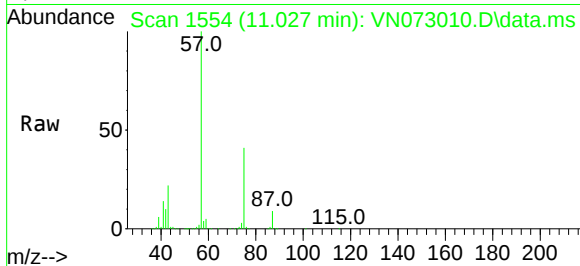




#59
2-Hexanone
Concen: 119.832 ug/l
RT: 11.027 min Scan# 11554
Delta R.T. 0.006 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

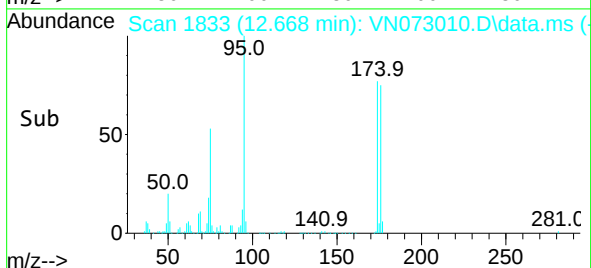
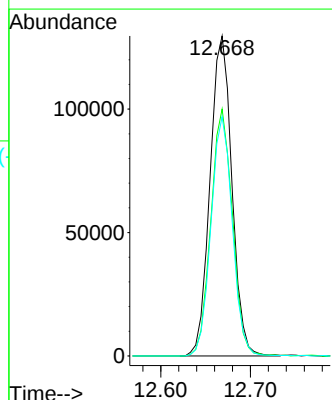
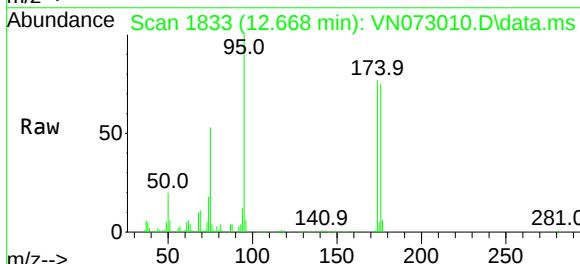
Instrument :
MSVOA_N
ClientSampleId :
PB145646TB

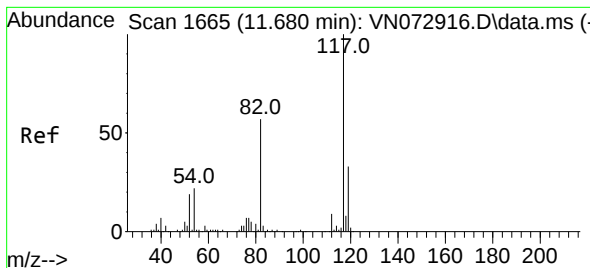
Tgt Ion: 43 Resp: 568990
Ion Ratio Lower Upper
43 100
58 16.8 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 53.781 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

Tgt Ion: 95 Resp: 218972
Ion Ratio Lower Upper
95 100
174 76.4 0.0 167.6
176 73.1 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: VN073010.D

Acq: 22 Jun 2022 07:43

Instrument :

MSVOA_N

ClientSampleId :

PB145646TB

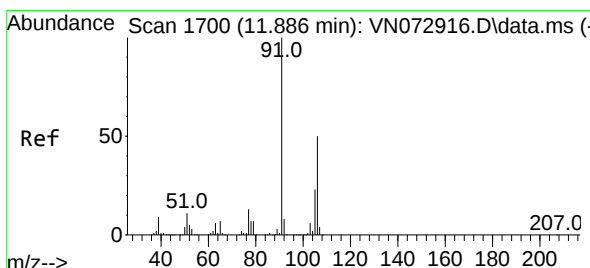
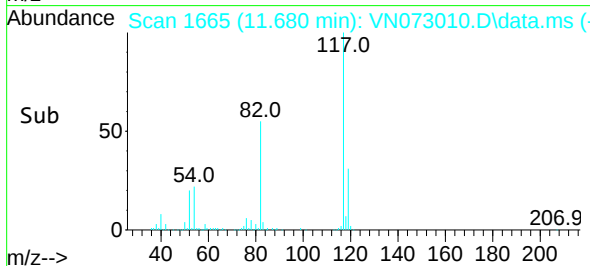
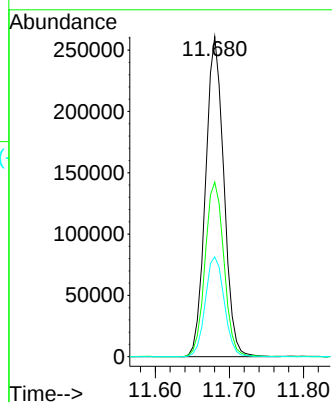
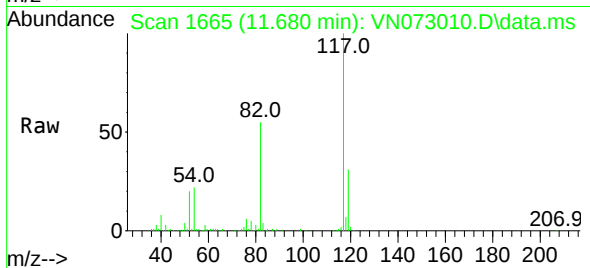
Tgt Ion:117 Resp: 447966

Ion Ratio Lower Upper

117 100

82 54.6 44.2 66.2

119 31.2 25.4 38.0



#68

m/p-Xylenes

Concen: 0.633 ug/l

RT: 11.886 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VN073010.D

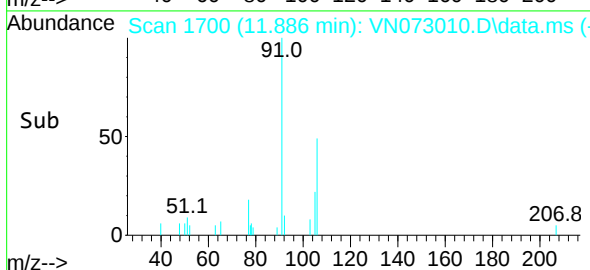
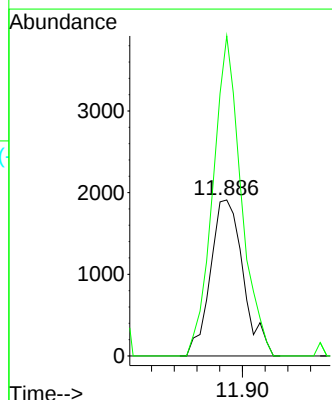
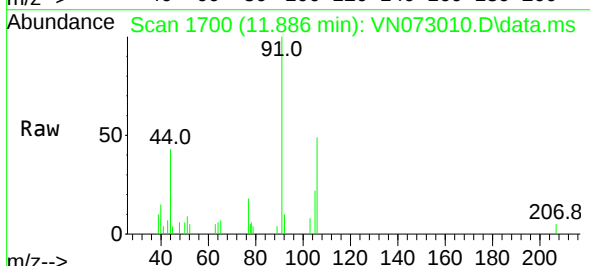
Acq: 22 Jun 2022 07:43

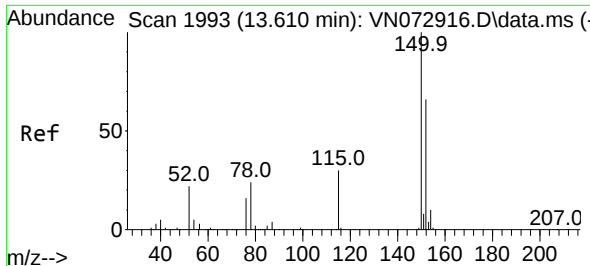
Tgt Ion:106 Resp: 3823

Ion Ratio Lower Upper

106 100

91 177.1 158.9 238.3

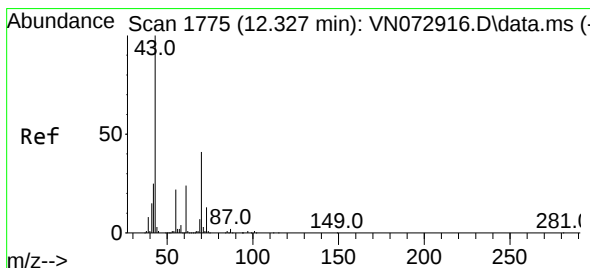
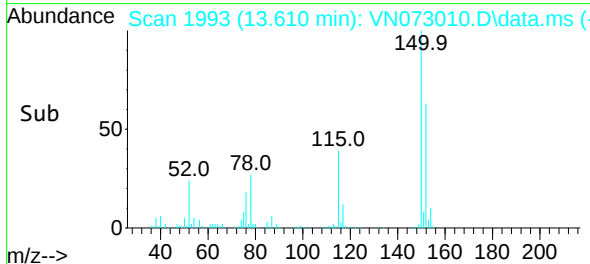
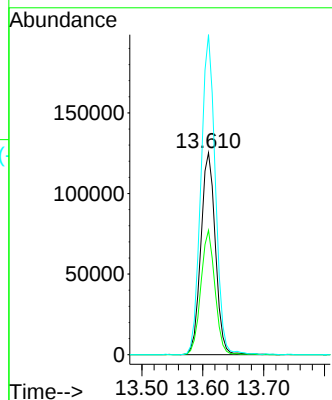
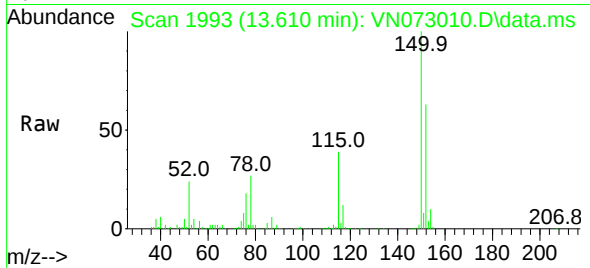




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

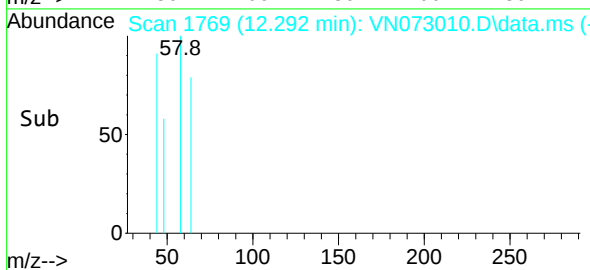
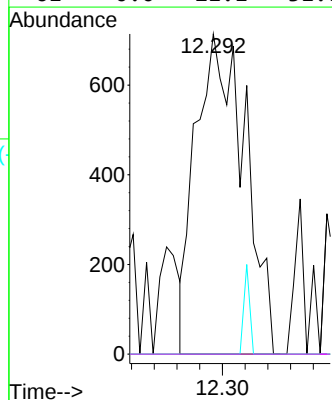
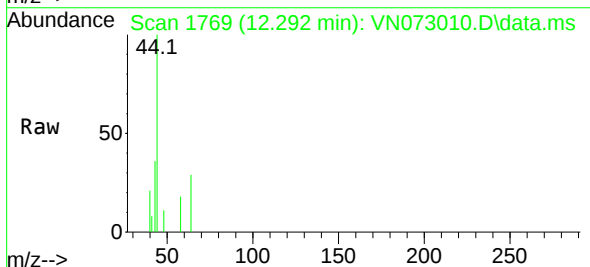
Instrument :
MSVOA_N
ClientSampleId :
PB145646TB

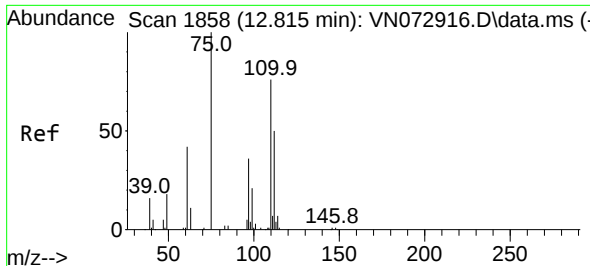
Tgt Ion:152 Resp: 207676
Ion Ratio Lower Upper
152 100
115 60.1 28.9 86.7
150 157.7 0.0 356.2



#74
N-ethyl acetate
Concen: 0.257 ug/l
RT: 12.292 min Scan# 1769
Delta R.T. -0.035 min
Lab File: VN073010.D
Acq: 22 Jun 2022 07:43

Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#

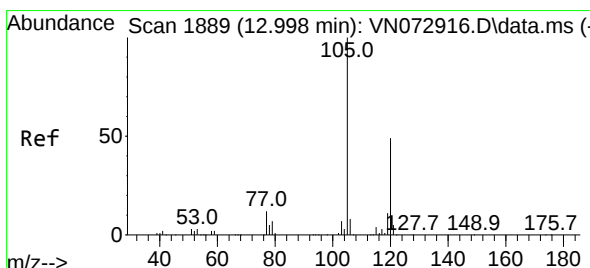
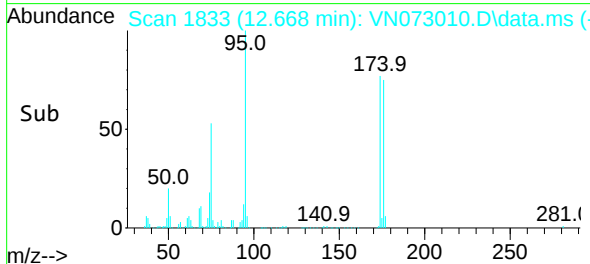
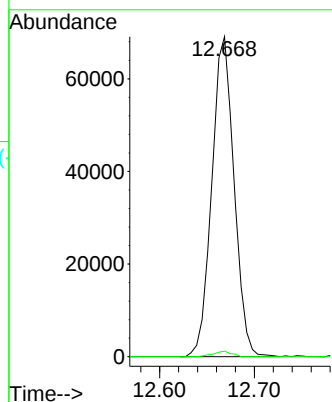
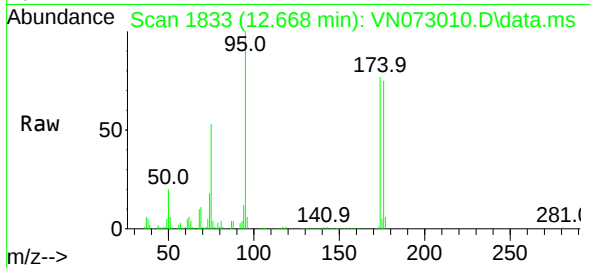




#76
 1,2,3-Trichloropropane
 Concen: 22.379 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073010.D
 Acq: 22 Jun 2022 07:43

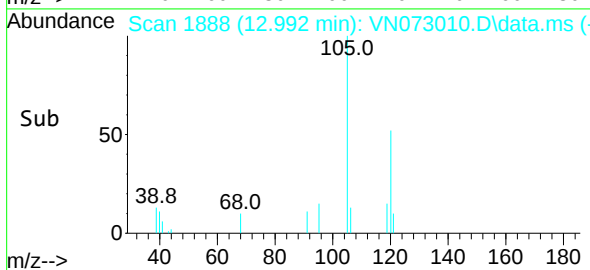
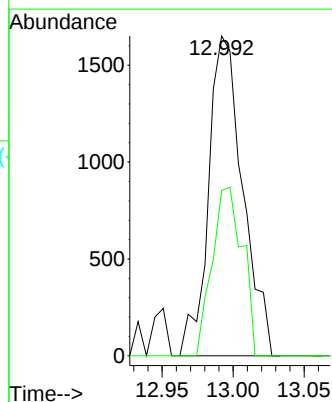
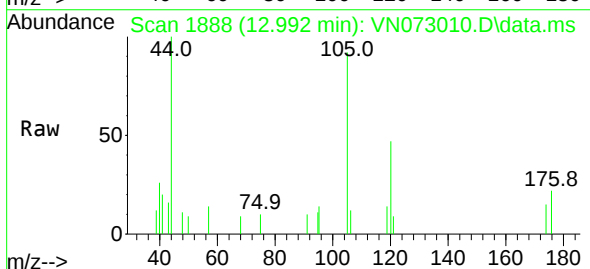
Instrument :
 MSVOA_N
 ClientSampleId :
 PB145646TB

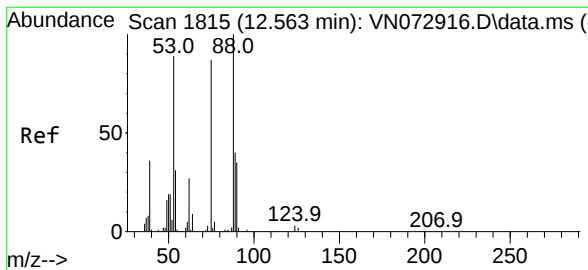
Tgt Ion: 75 Resp: 112678
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.210 ug/l
 RT: 12.992 min Scan# 1888
 Delta R.T. -0.006 min
 Lab File: VN073010.D
 Acq: 22 Jun 2022 07:43

Tgt Ion: 105 Resp: 2776
 Ion Ratio Lower Upper
 105 100
 120 46.5 24.9 74.7





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.436 ug/l
 RT: 12.668 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073010.D
 Acq: 22 Jun 2022 07:43

Instrument :
 MSVOA_N
 ClientSampleId :
 PB145646TB

Tgt Ion: 75 Resp: 112678
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

