

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061322\
 Data File : VN072816.D
 Acq On : 14 Jun 2022 00:11
 Operator : JC\MD
 Sample : PB145459ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB145459ZHE#07

Quant Time: Jun 14 05:23:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061322W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 13 17:28:28 2022
 Response via : Initial Calibration

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

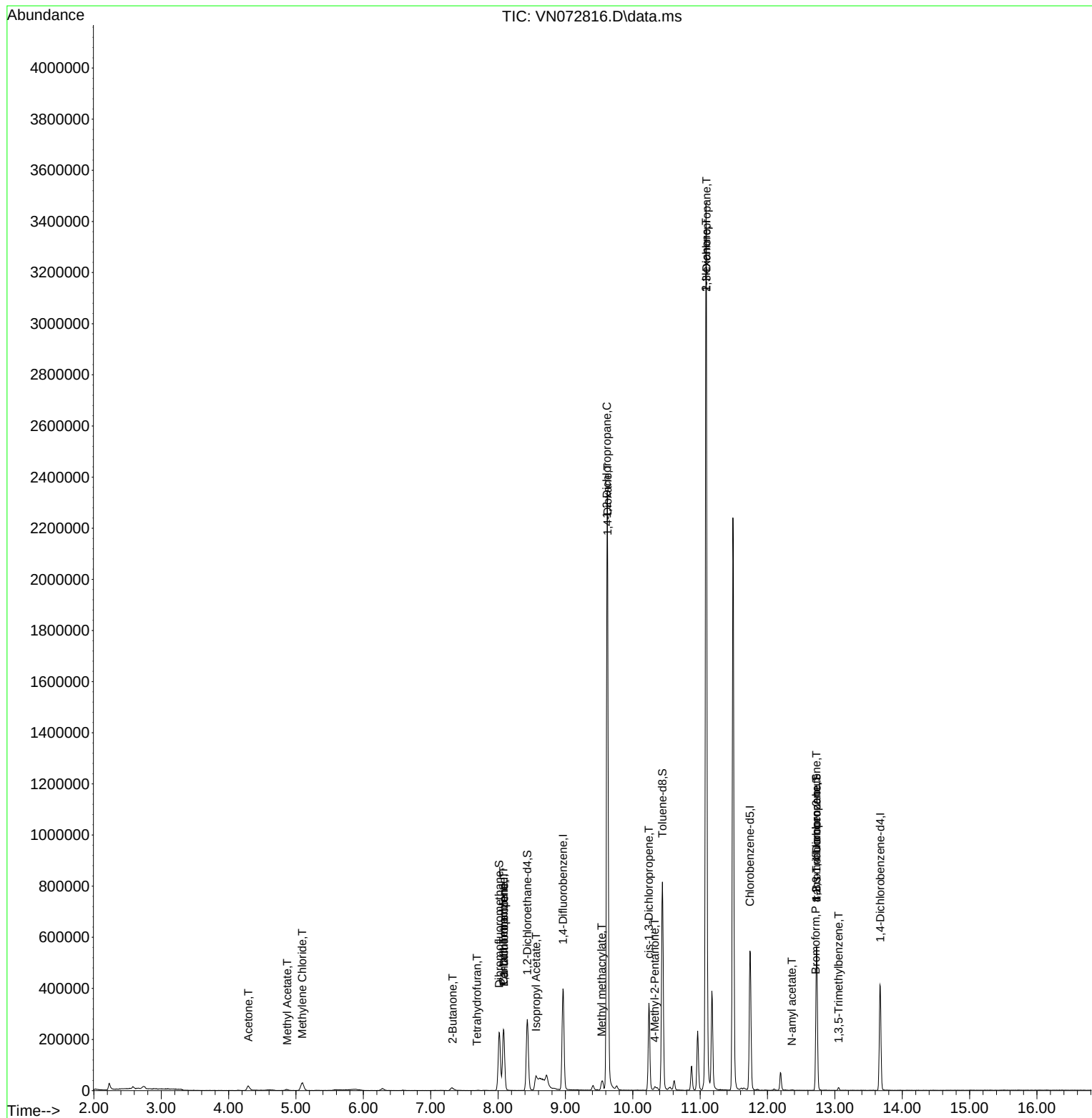
Internal Standards						
1) Pentafluorobenzene	8.087	168	149724	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	313777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	286997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	96810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	231878	55.314	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.620%			
35) Dibromofluoromethane	8.016	113	160631	51.402	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.800%			
50) Toluene-d8	10.439	98	531637	42.361	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 84.720%			
62) 4-Bromofluorobenzene	12.727	95	186655	42.087	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 84.180%			
Target Compounds						
						Qvalue
3) Chloromethane	2.299	50	535	Below Cal	#	43
6) Chloroethane	2.963	64	520	Below Cal	#	42
16) Acetone	4.293	43	32074	16.848	ug/l	93
17) Carbon Disulfide	4.528	76	60	Below Cal	#	75
18) Methyl Acetate	4.869	43	9153	1.829	ug/l	# 71
20) Methylene Chloride	5.093	84	22684	7.587	ug/l	# 80
25) 2-Butanone	7.328	43	7594	2.543	ug/l	# 68
29) Tetrahydrofuran	7.687	42	882	0.477	ug/l	# 40
31) Cyclohexane	8.069	56	5028	Below Cal	#	50
36) 1,1-Dichloropropene	8.087	75	16414	3.770	ug/l	# 49
38) Carbon Tetrachloride	8.081	117	18950	4.152	ug/l	# 15
43) Isopropyl Acetate	8.563	43	76111	7.390	ug/l	# 70
45) 1,2-Dichloropropane	9.616	63	2676	0.737	ug/l	# 44
48) Methyl methacrylate	9.539	41	11650	2.438	ug/l	# 10
49) 1,4-Dioxane	9.628	88	184	2.253	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.328	43	9095	1.331	ug/l	90
54) cis-1,3-Dichloropropene	10.239	75	55174	9.683	ug/l	# 74
57) 1,3-Dichloropropane	11.092	76	35822	5.749	ug/l	# 42
59) 2-Hexanone	11.086	43	570444	112.729	ug/l	# 43
71) Bromoform	12.716	173	966	0.460	ug/l	# 28
74) N-amyl acetate	12.363	43	2670	0.564	ug/l	# 39
76) 1,2,3-Trichloropropane	12.727	75	114926	34.589	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.057	105	5495	0.689	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.727	75	114926	105.422	ug/l	# 10

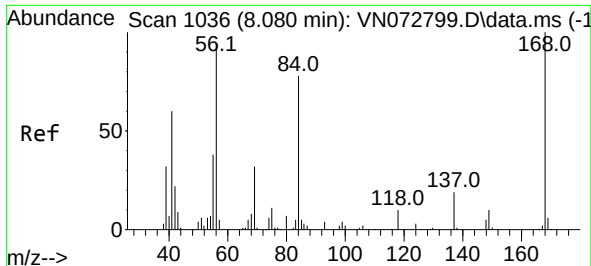
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061322W.M
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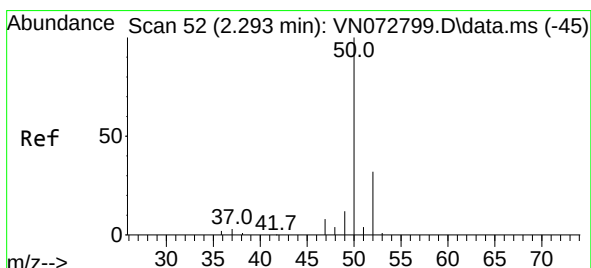
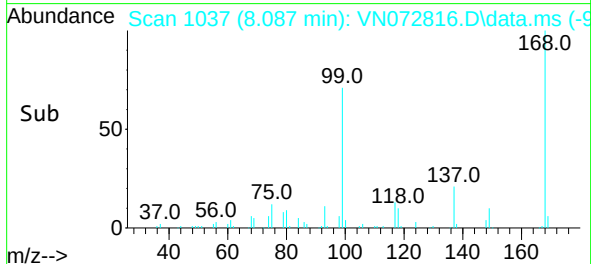
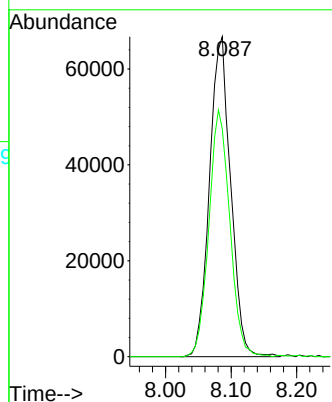
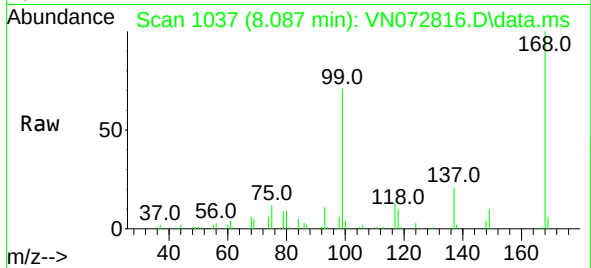




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.007 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

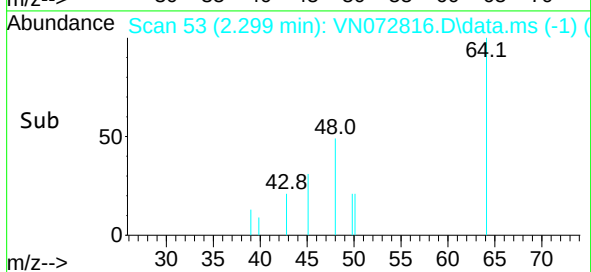
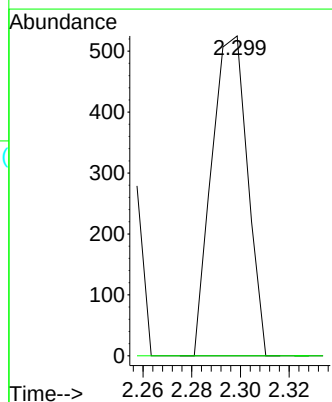
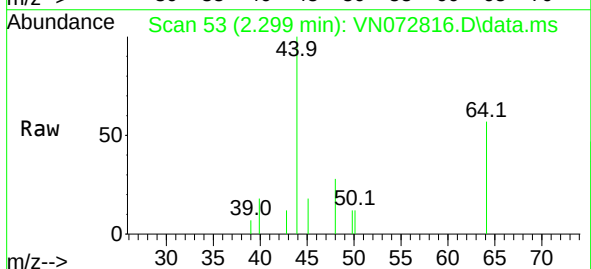
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#07

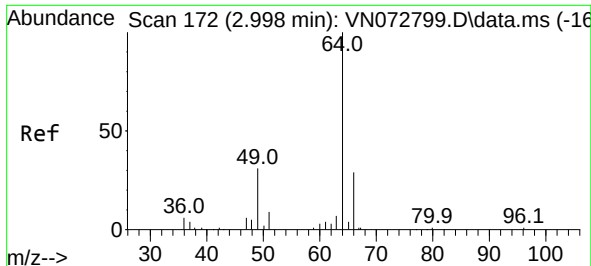
Tgt Ion:168 Resp: 149724
Ion Ratio Lower Upper
168 100
99 71.2 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. 0.006 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

Tgt Ion: 50 Resp: 535
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

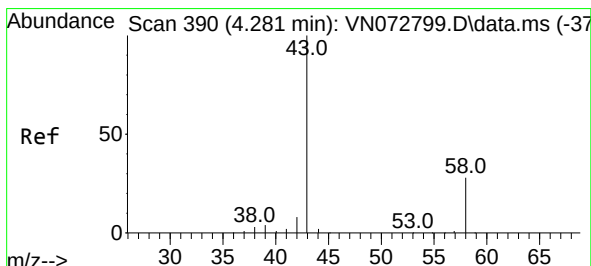
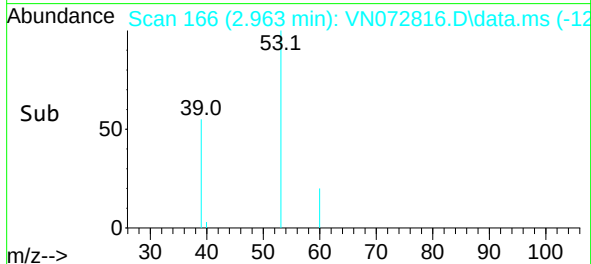
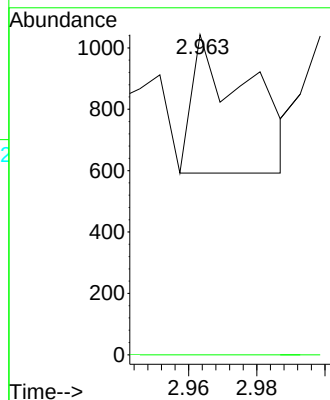
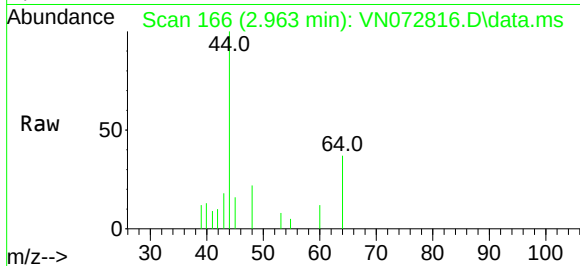




#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

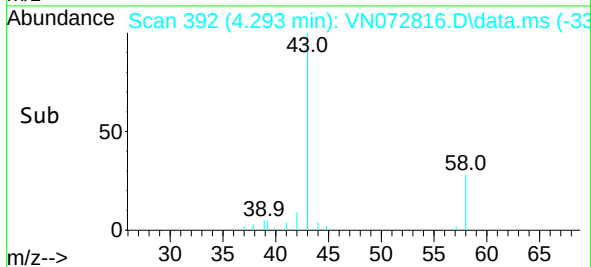
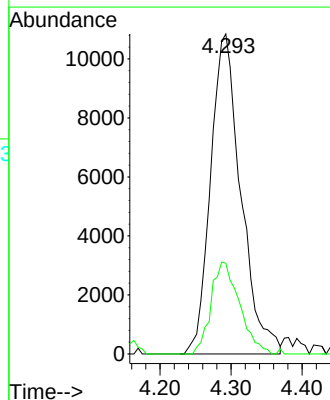
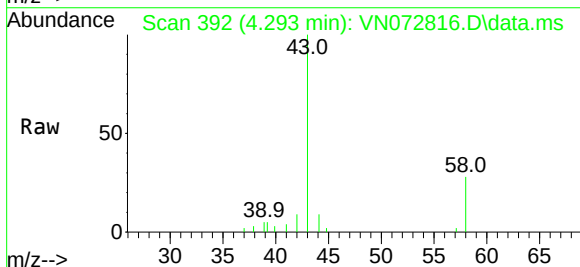
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#07

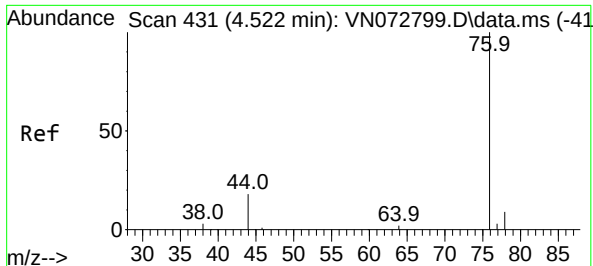
Tgt Ion: 64 Resp: 520
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 16.848 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

Tgt Ion: 43 Resp: 32074
Ion Ratio Lower Upper
43 100
58 28.3 26.0 39.0

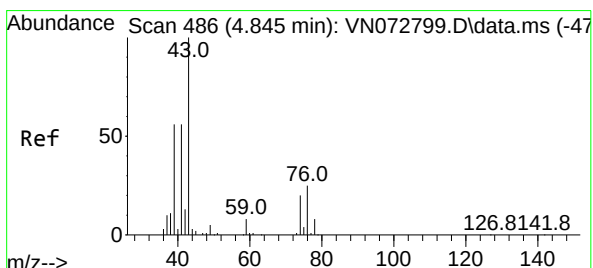
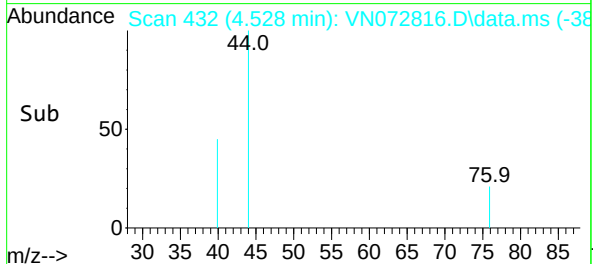
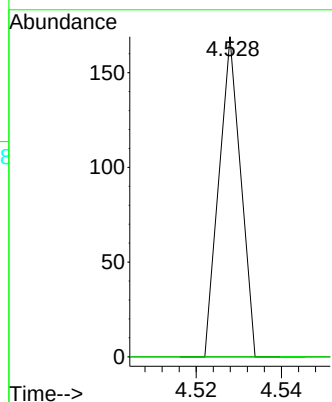
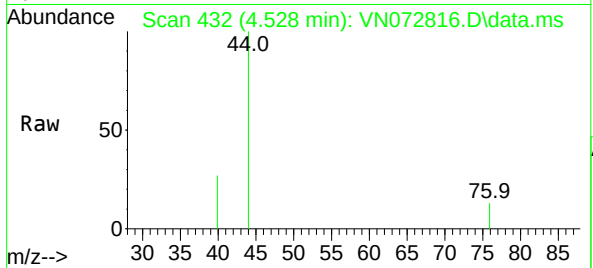




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.528 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

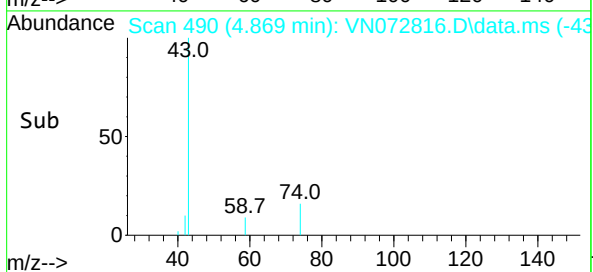
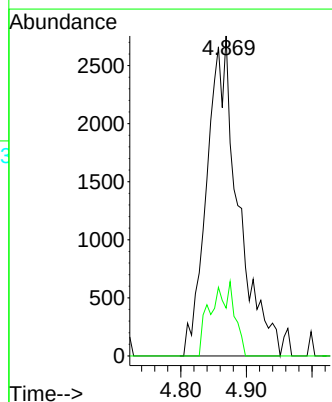
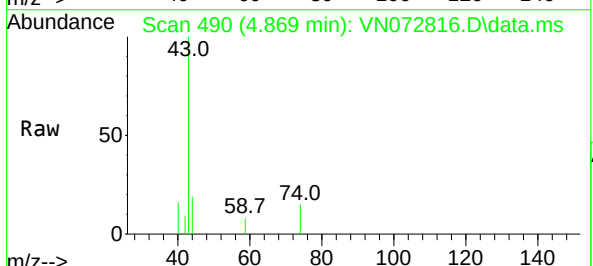
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#07

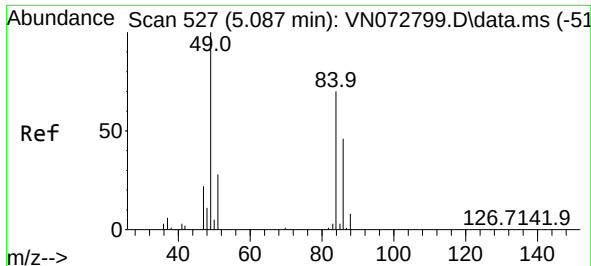
Tgt Ion: 76 Resp: 60
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.829 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.024 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

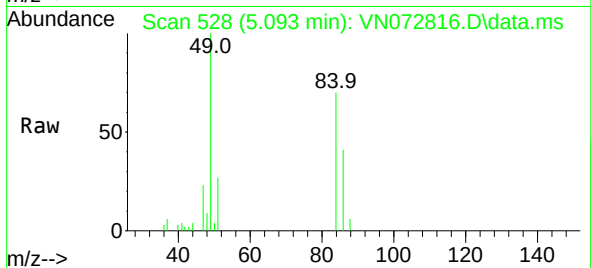
Tgt Ion: 43 Resp: 9153
Ion Ratio Lower Upper
43 100
74 11.7 21.6 32.4#



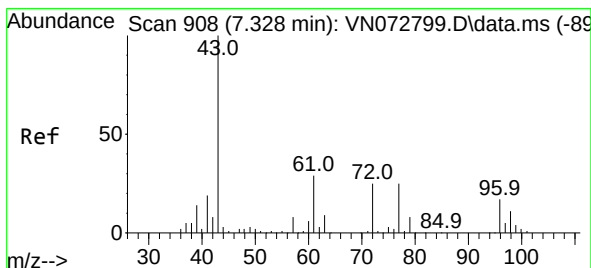
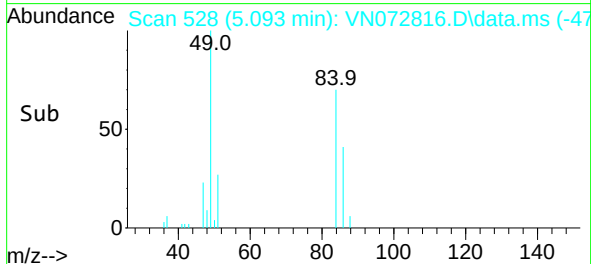
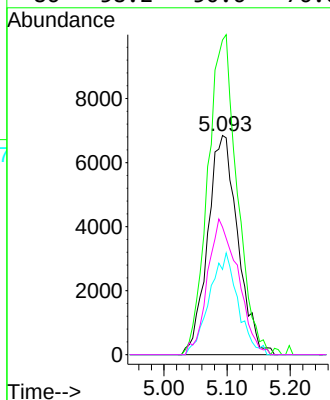


#20
Methylene Chloride
Concen: 7.587 ug/l
RT: 5.093 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#07

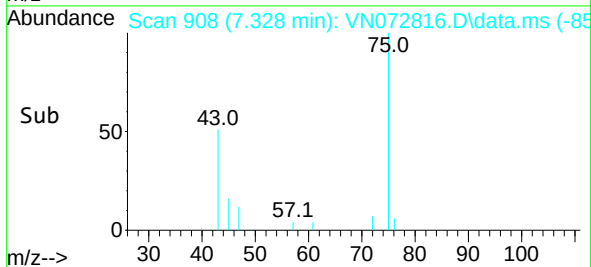
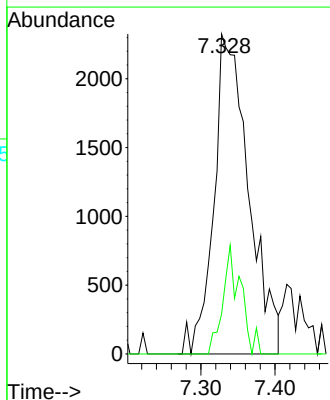
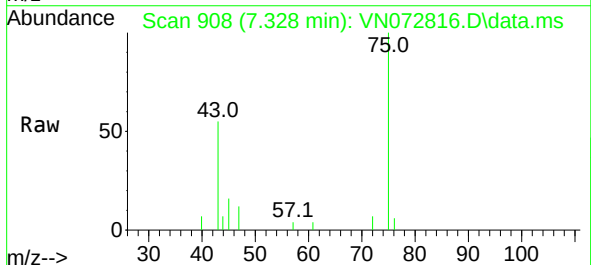


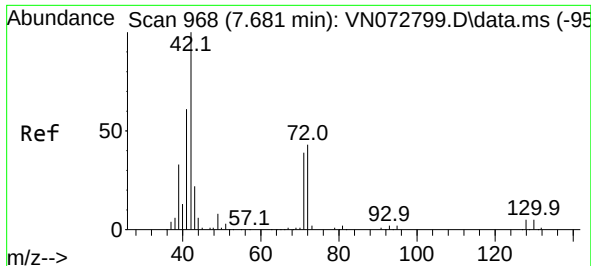
Tgt Ion: 84 Resp: 22684
Ion Ratio Lower Upper
84 100
49 143.6 88.3 132.5#
51 38.9 28.2 42.2
86 58.2 50.6 76.0



#25
2-Butanone
Concen: 2.543 ug/l
RT: 7.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

Tgt Ion: 43 Resp: 7594
Ion Ratio Lower Upper
43 100
72 12.4 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.477 ug/l

RT: 7.687 min Scan# 90

Delta R.T. 0.006 min

Lab File: VN072816.D

Acq: 14 Jun 2022 00:11

Instrument :

MSVOA_N

ClientSampleId :

PB145459ZHE#07

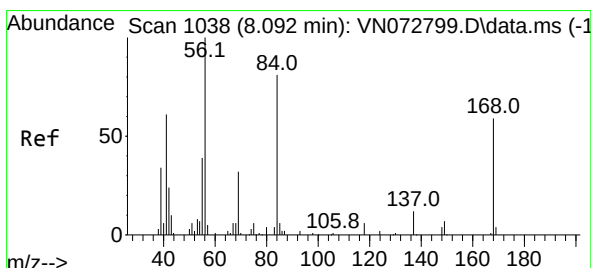
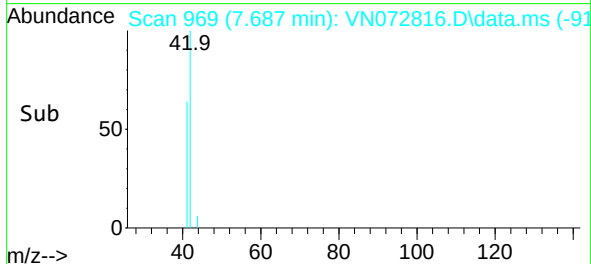
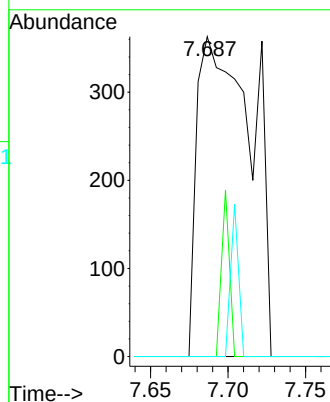
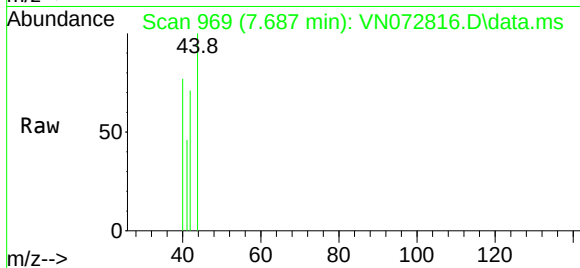
Tgt Ion: 42 Resp: 882

Ion Ratio Lower Upper

42 100

72 7.6 39.7 59.5#

71 6.9 36.6 55.0#



#31

Cyclohexane

Concen: Below Cal

RT: 8.069 min Scan# 1034

Delta R.T. -0.023 min

Lab File: VN072816.D

Acq: 14 Jun 2022 00:11

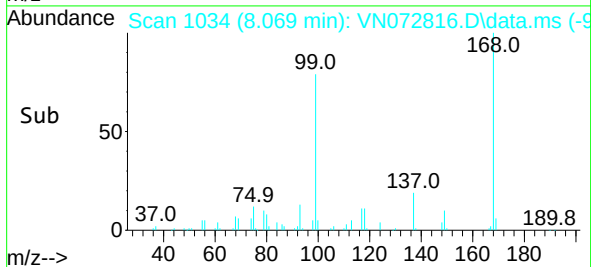
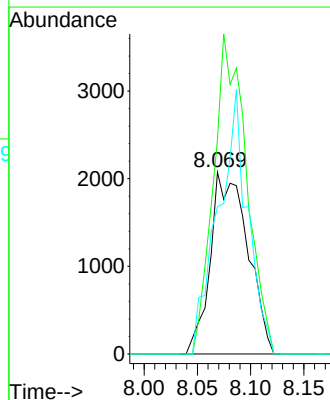
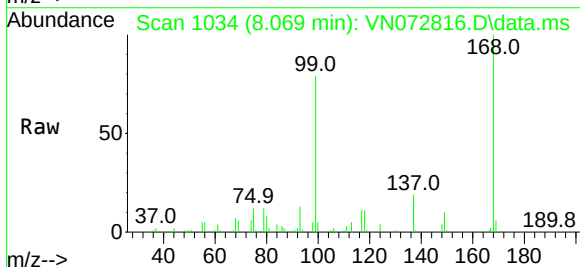
Tgt Ion: 56 Resp: 5028

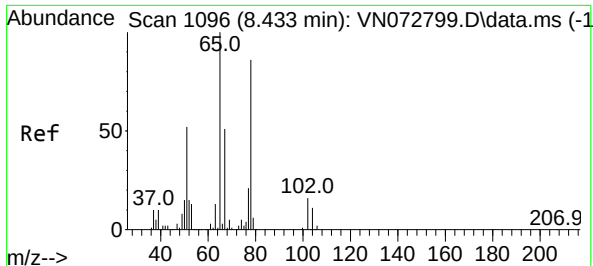
Ion Ratio Lower Upper

56 100

69 118.0 27.8 41.8#

84 81.0 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 55.314 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. 0.001 min

Lab File: VN072816.D

Acq: 14 Jun 2022 00:11

Instrument :

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ClientSampleId :

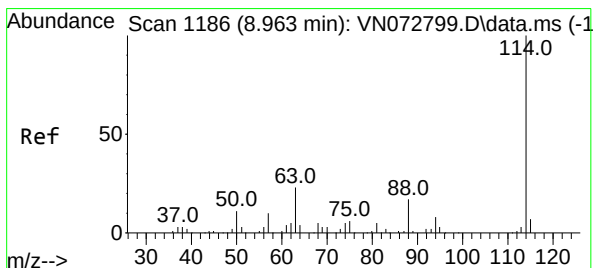
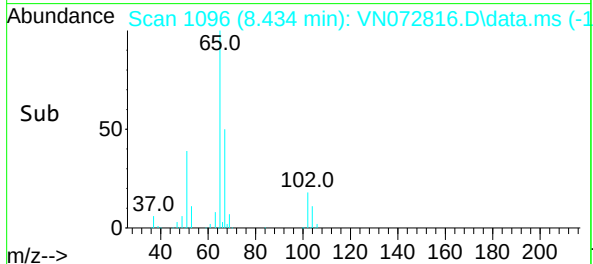
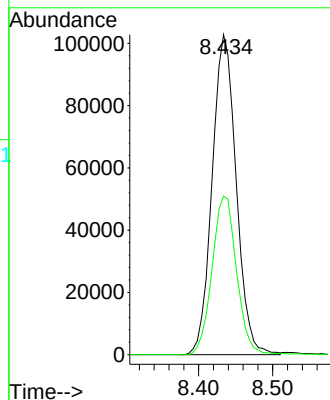
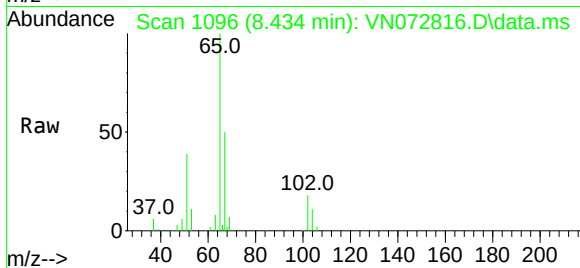
PB145459ZHE#07

Tgt Ion: 65 Resp: 231878

Ion Ratio Lower Upper

65 100

67 50.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072816.D

Acq: 14 Jun 2022 00:11

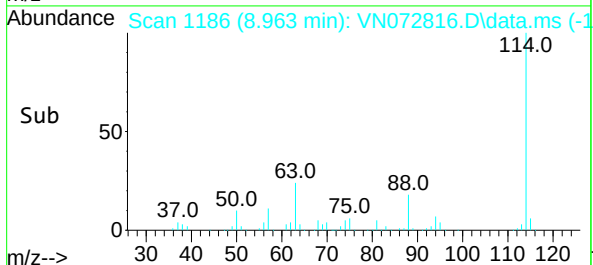
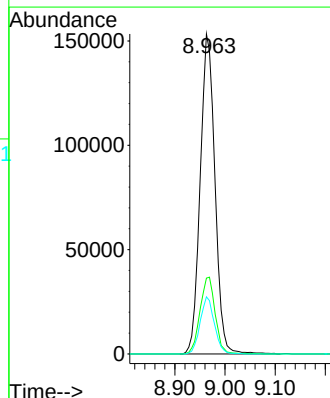
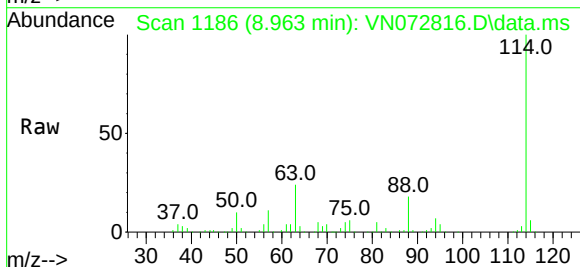
Tgt Ion: 114 Resp: 313777

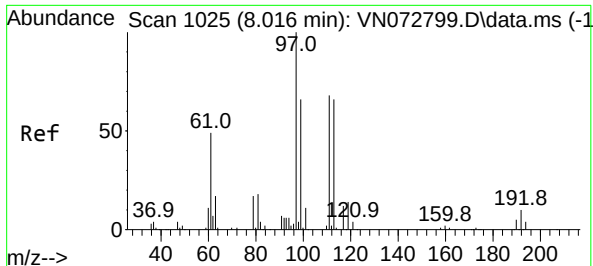
Ion Ratio Lower Upper

114 100

63 23.7 0.0 40.0

88 17.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.402 ug/l

RT: 8.016 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VN072816.D

Acq: 14 Jun 2022 00:11

Instrument :

MSVOA_N

ClientSampleId :

PB145459ZHE#07

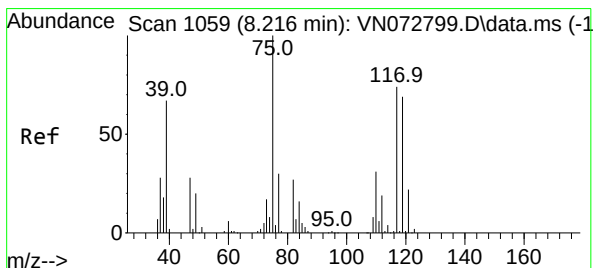
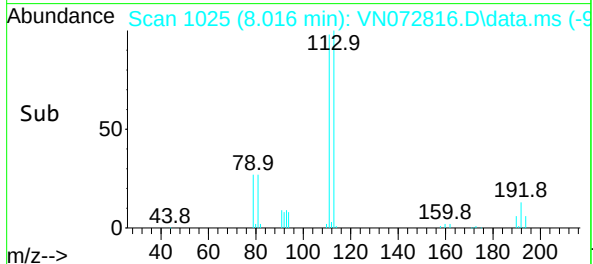
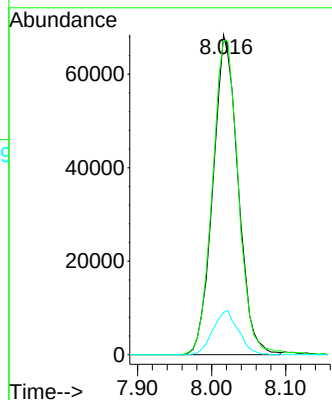
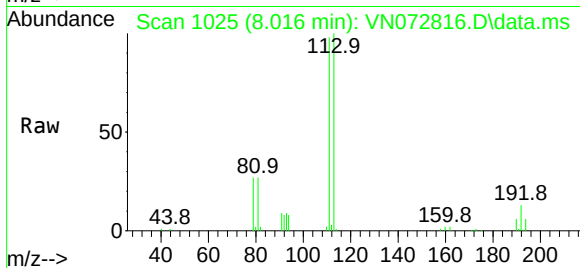
Tgt Ion:113 Resp: 160631

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 14.0 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 3.770 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN072816.D

Acq: 14 Jun 2022 00:11

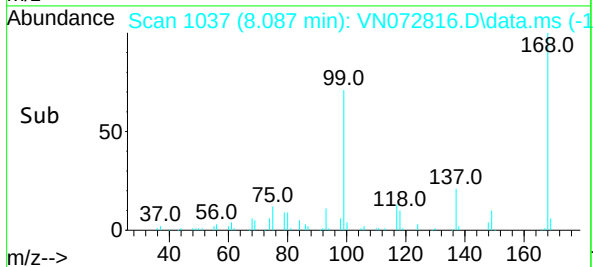
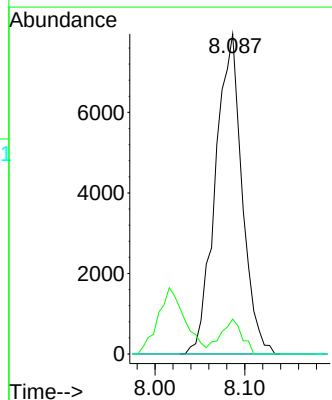
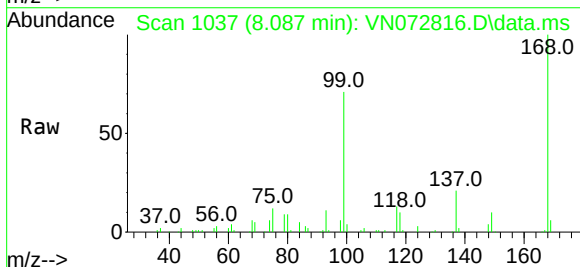
Tgt Ion: 75 Resp: 16414

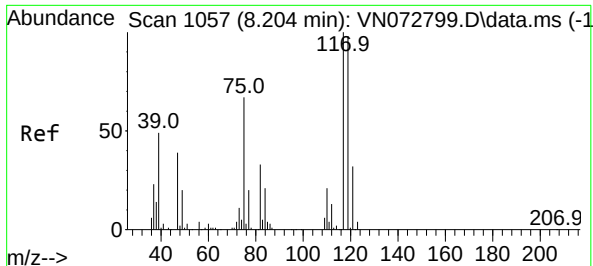
Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

77 0.0 25.1 37.7#

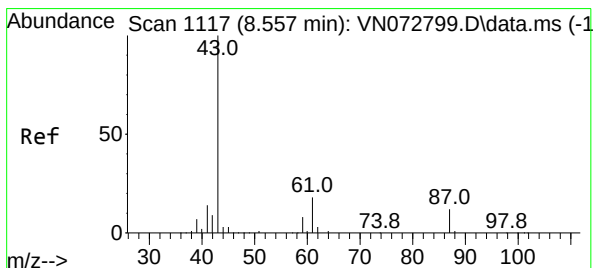
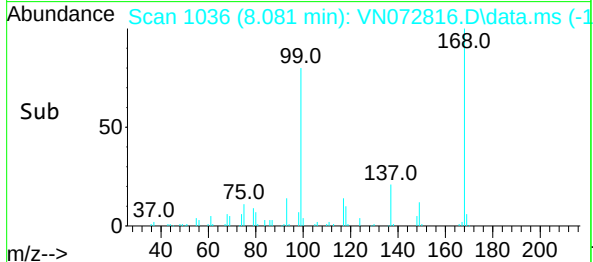
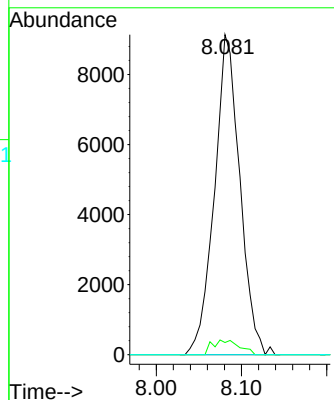
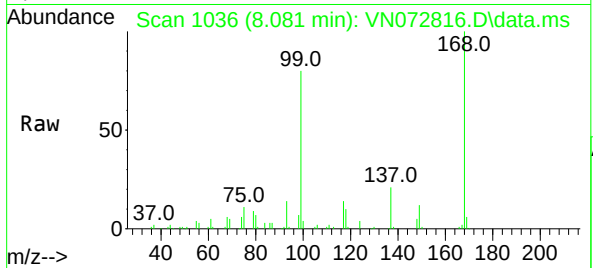




#38
Carbon Tetrachloride
Concen: 4.152 ug/l
RT: 8.081 min Scan# 110
Delta R.T. -0.123 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

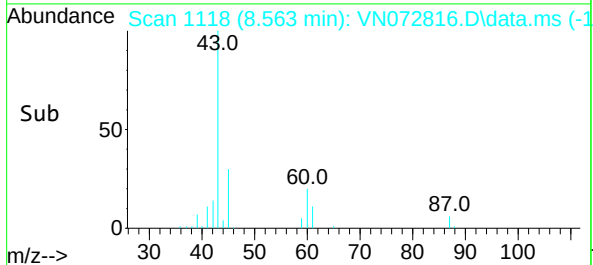
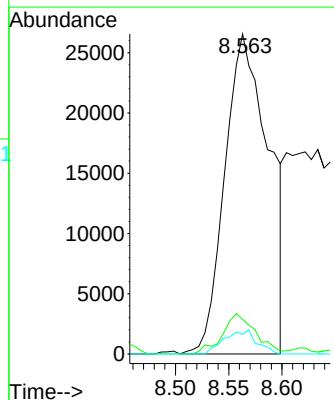
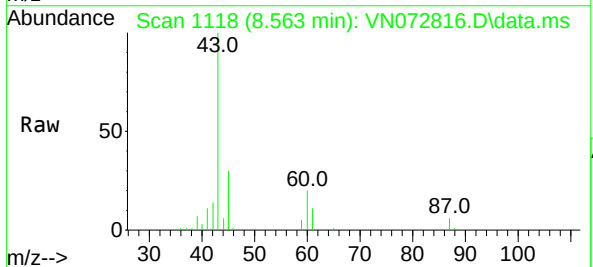
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#07

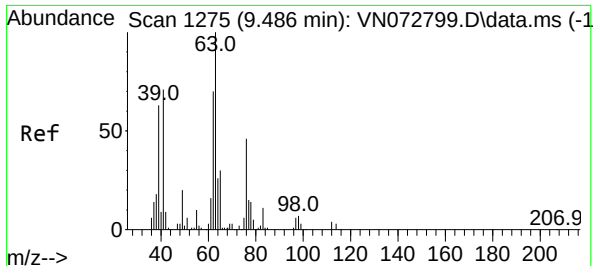
Tgt Ion:117 Resp: 18950
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 7.390 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

Tgt Ion: 43 Resp: 76111
Ion Ratio Lower Upper
43 100
61 9.6 21.9 32.9#
87 5.5 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.737 ug/l

RT: 9.616 min Scan# 1

Delta R.T. 0.130 min

Lab File: VN072816.D

Acq: 14 Jun 2022 00:11

Instrument :

MSVOA_N

ClientSampleId :

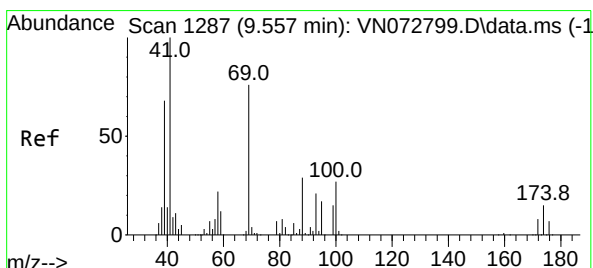
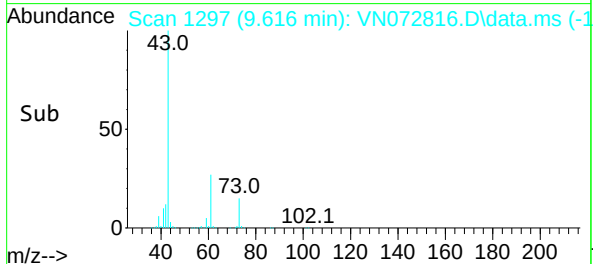
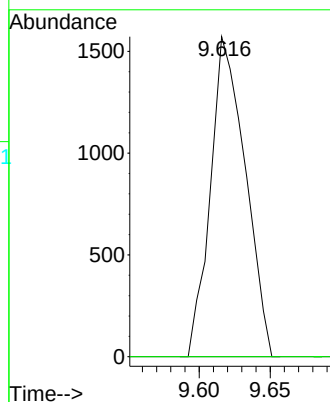
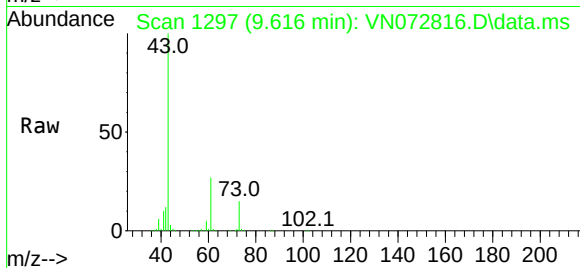
PB145459ZHE#07

Tgt Ion: 63 Resp: 2676

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.438 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN072816.D

Acq: 14 Jun 2022 00:11

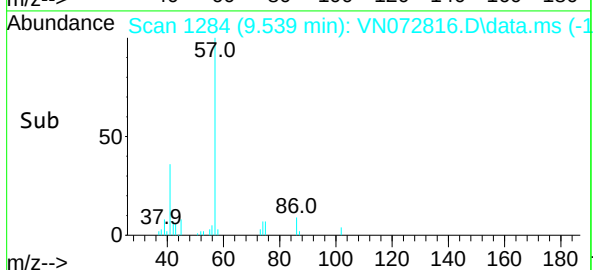
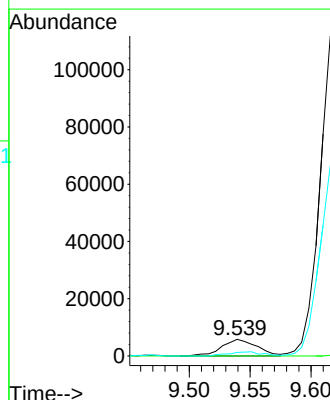
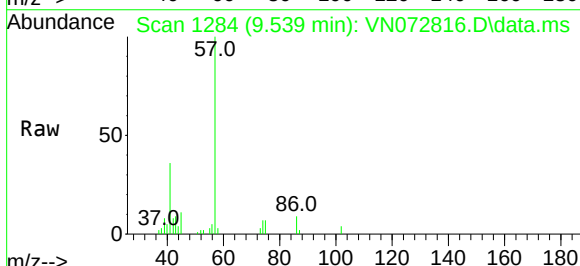
Tgt Ion: 41 Resp: 11650

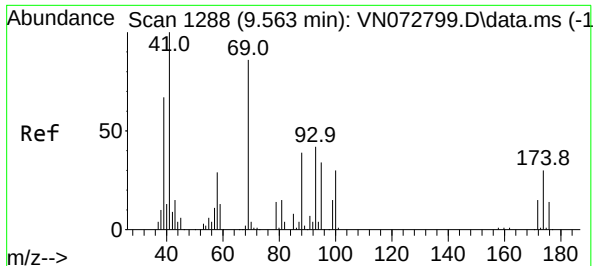
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: 2.253 ug/l

RT: 9.628 min Scan# 1299

Delta R.T. 0.065 min

Lab File: VN072816.D

Acq: 14 Jun 2022 00:11

Instrument :

MSVOA_N

ClientSampleId :

PB145459ZHE#07

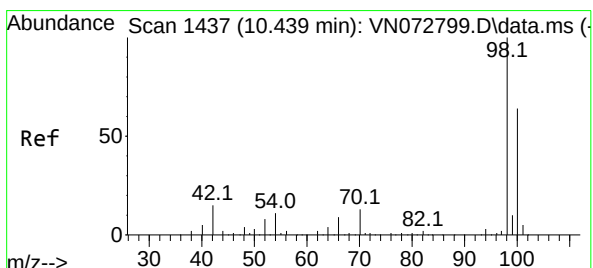
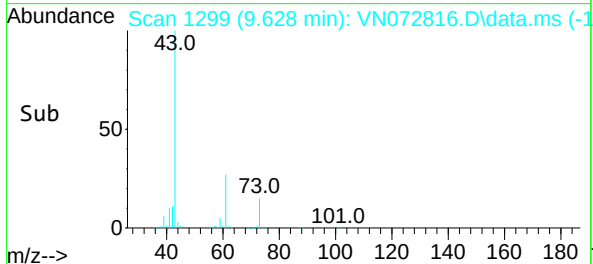
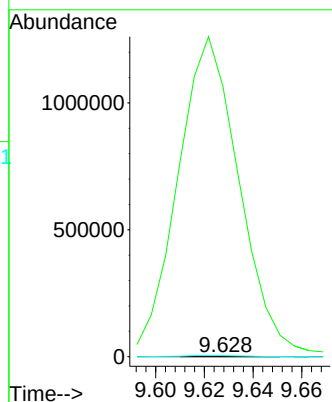
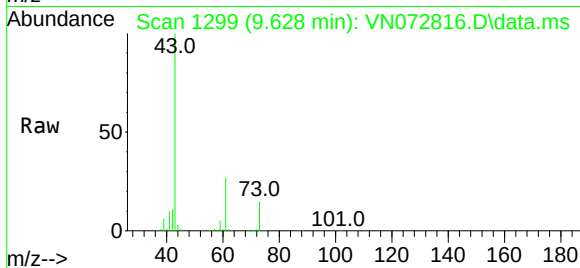
Tgt Ion: 88 Resp: 184

Ion Ratio Lower Upper

88 100

43 1229135.3 20.2 30.4#

58 4802.7 54.2 81.4#



#50

Toluene-d8

Concen: 42.361 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072816.D

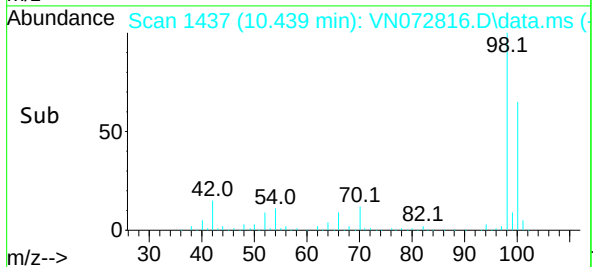
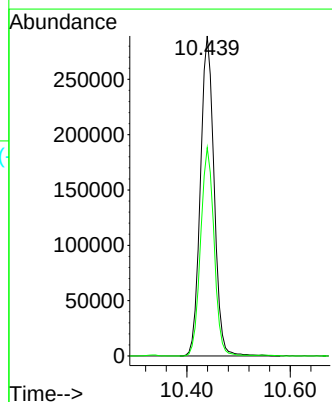
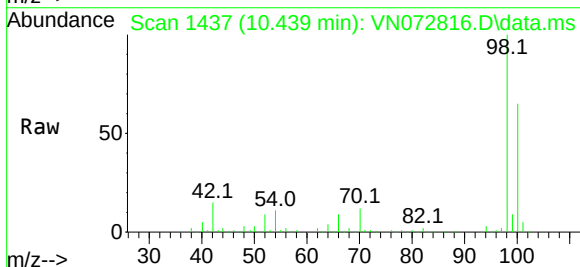
Acq: 14 Jun 2022 00:11

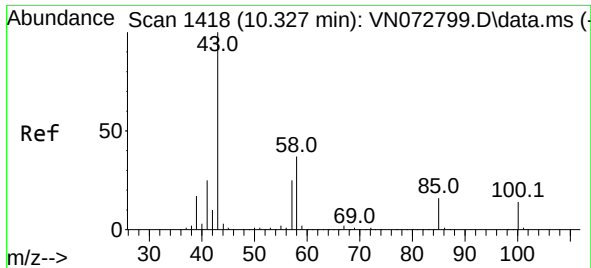
Tgt Ion: 98 Resp: 531637

Ion Ratio Lower Upper

98 100

100 64.2 52.6 78.8

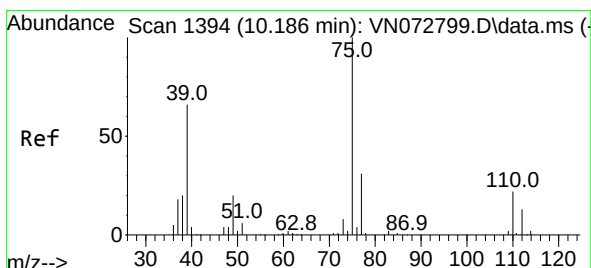
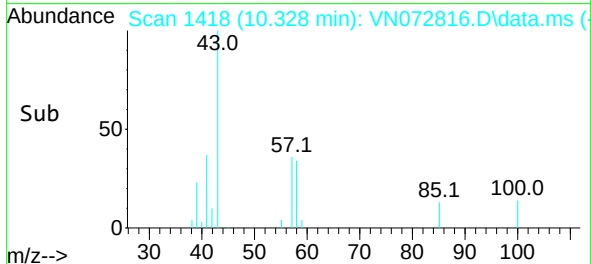
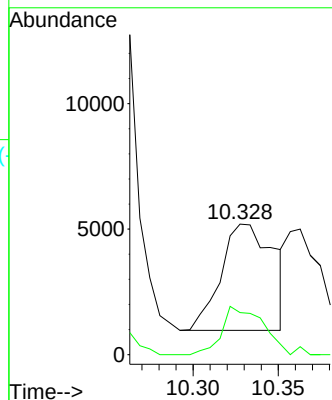
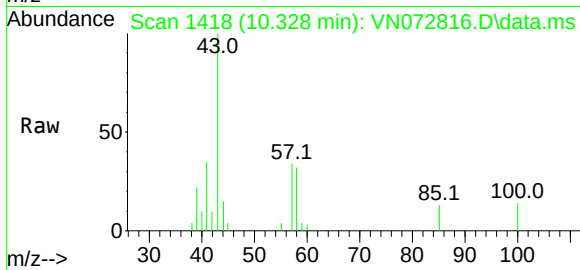




#51
4-Methyl-2-Pentanone
Concen: 1.331 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

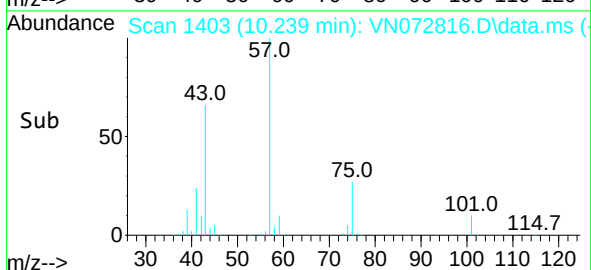
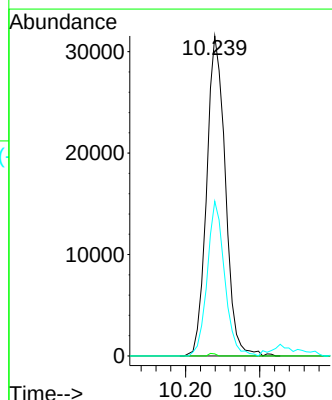
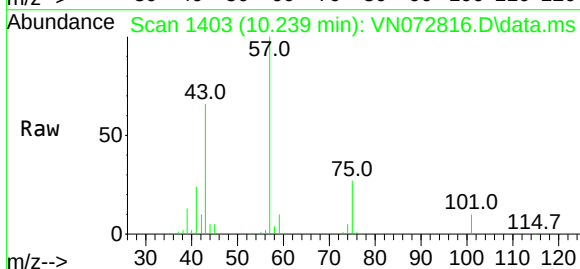
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#07

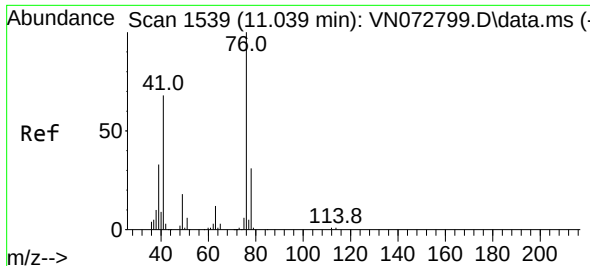
Tgt Ion: 43 Resp: 9095
Ion Ratio Lower Upper
43 100
58 36.4 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 9.683 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

Tgt Ion: 75 Resp: 55174
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 48.4 35.7 53.5





#57

1,3-Dichloropropane

Concen: 5.749 ug/l

RT: 11.092 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN072816.D

Acq: 14 Jun 2022 00:11

Instrument :

MSVOA_N

ClientSampleId :

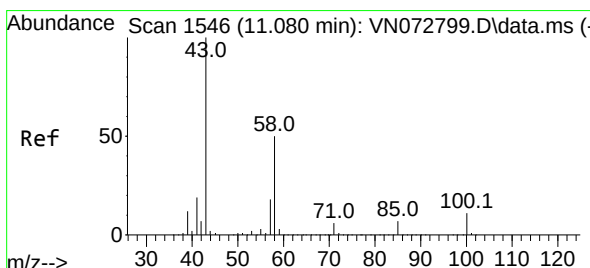
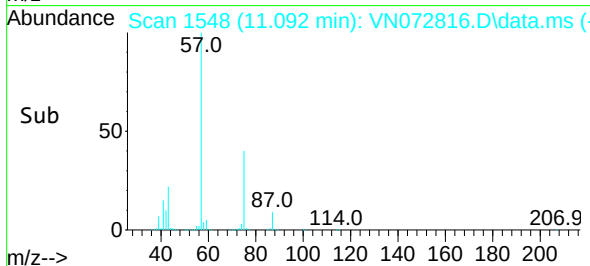
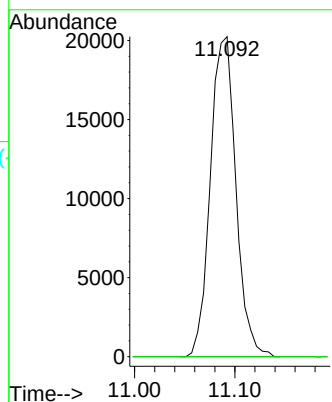
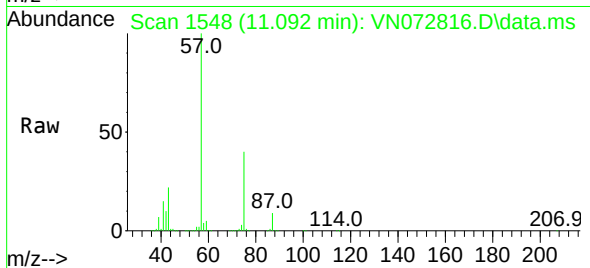
PB145459ZHE#07

Tgt Ion: 76 Resp: 35822

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 112.729 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN072816.D

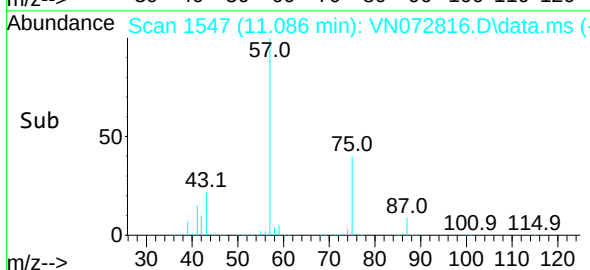
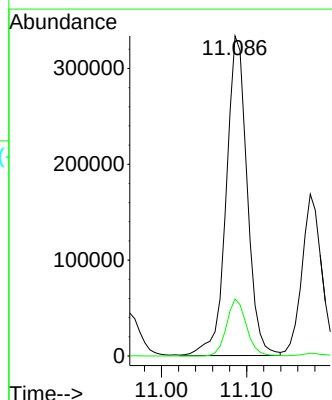
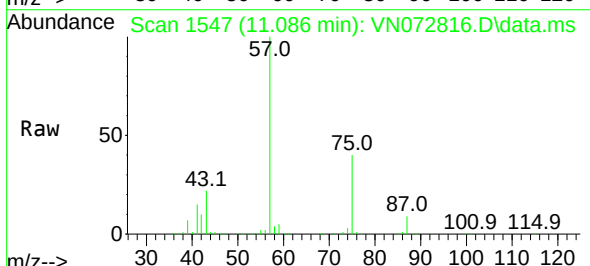
Acq: 14 Jun 2022 00:11

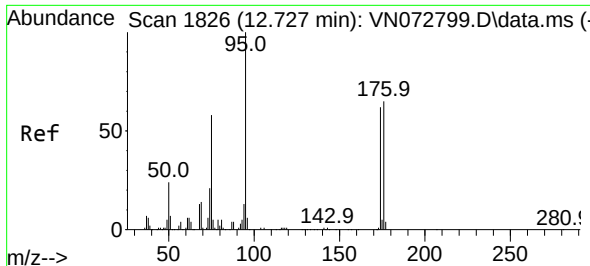
Tgt Ion: 43 Resp: 570444

Ion Ratio Lower Upper

43 100

58 16.9 29.7 89.1#

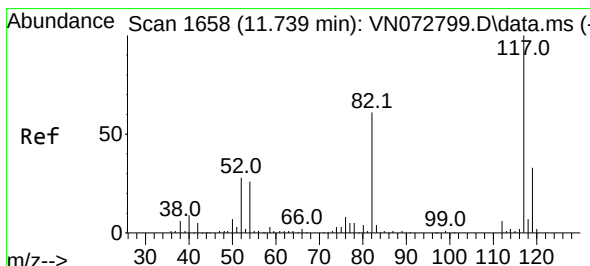
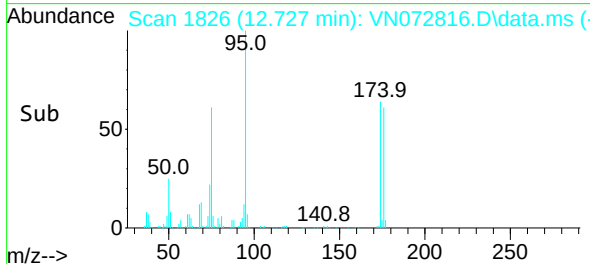
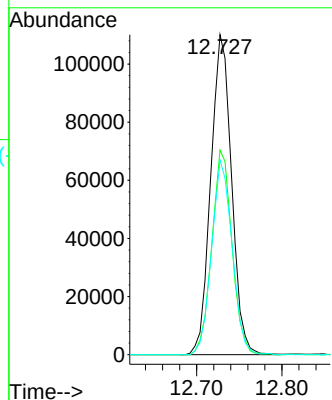
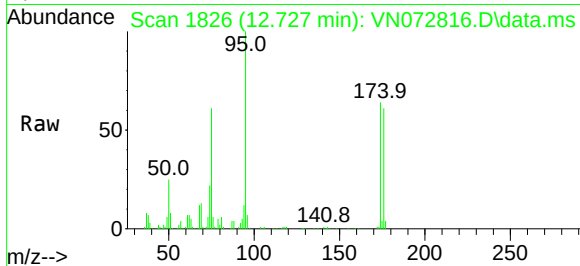




#62
4-Bromofluorobenzene
Concen: 42.087 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

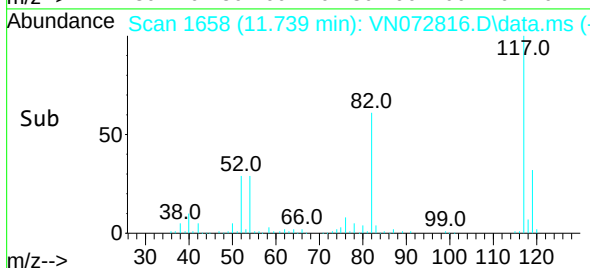
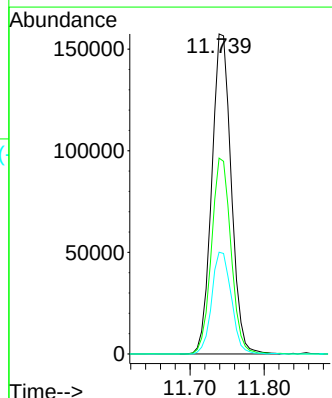
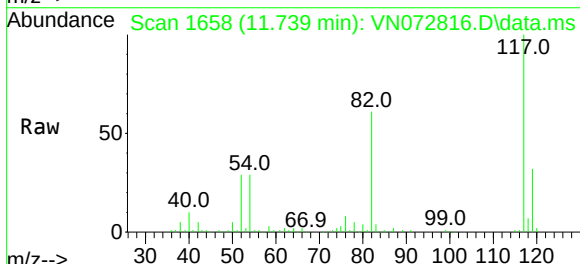
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#07

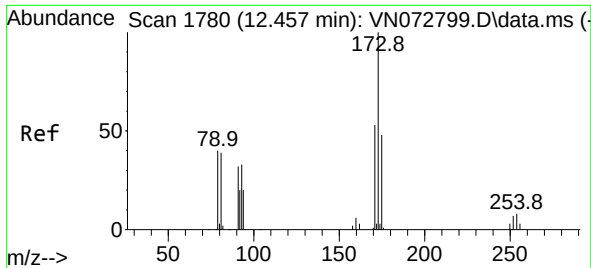
Tgt Ion: 95 Resp: 186655
Ion Ratio Lower Upper
95 100
174 62.2 0.0 167.6
176 60.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

Tgt Ion: 117 Resp: 286997
Ion Ratio Lower Upper
117 100
82 61.2 44.2 66.2
119 31.8 25.4 38.0

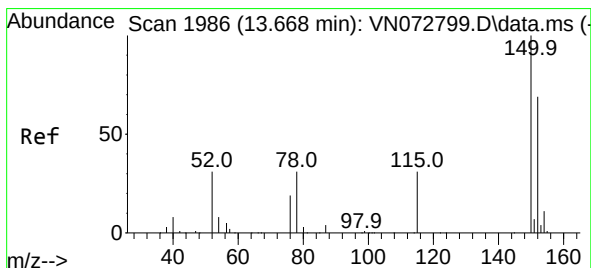
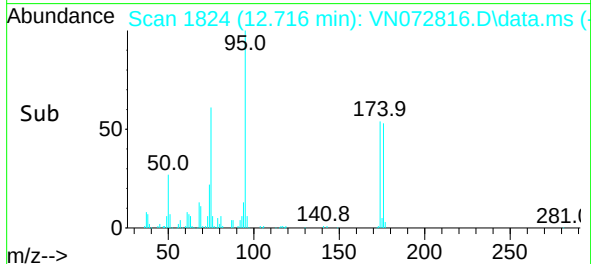
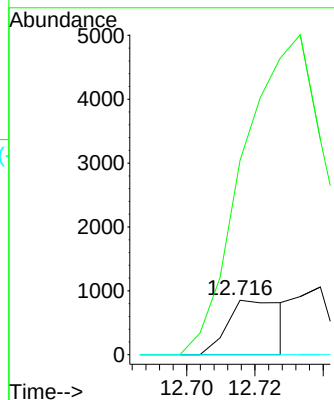
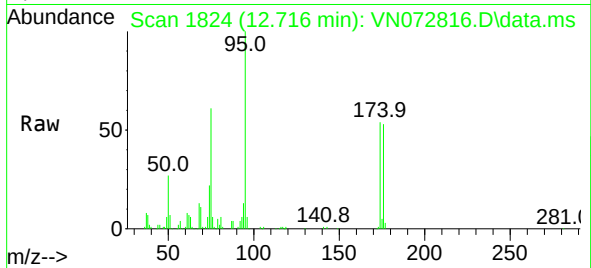




#71
Bromoform
Concen: 0.460 ug/l
RT: 12.716 min Scan# 11
Delta R.T. 0.259 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

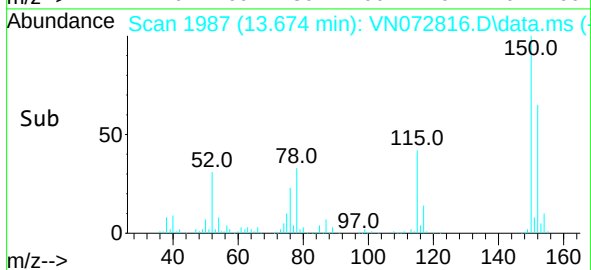
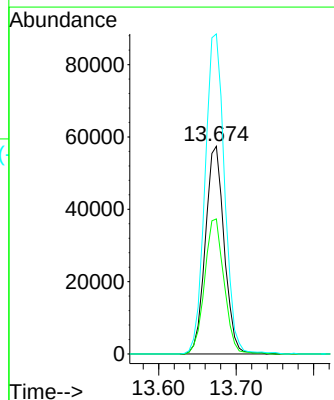
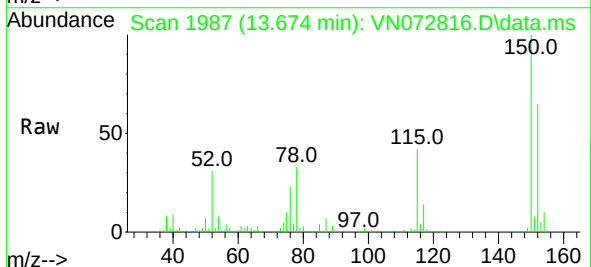
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#07

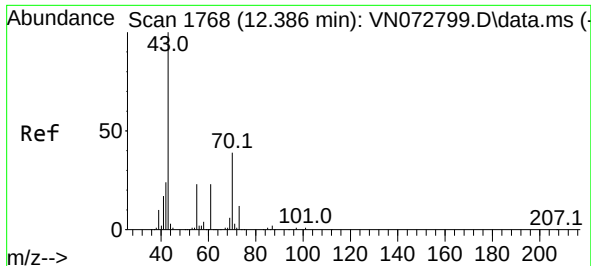
Tgt Ion:173 Resp: 966
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

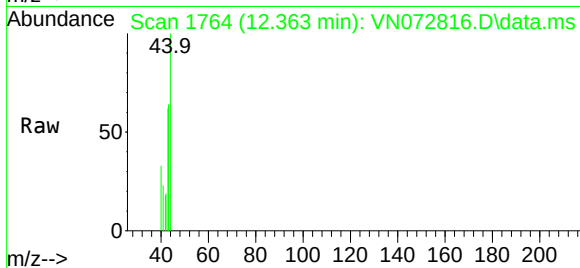
Tgt Ion:152 Resp: 96810
Ion Ratio Lower Upper
152 100
115 67.2 28.9 86.7
150 159.8 0.0 356.2



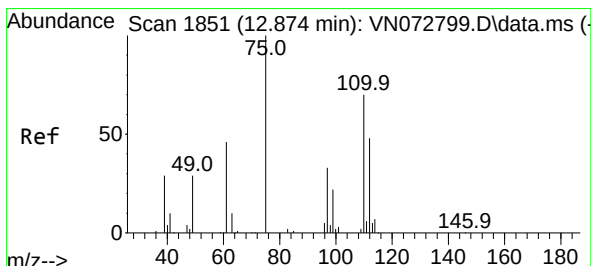
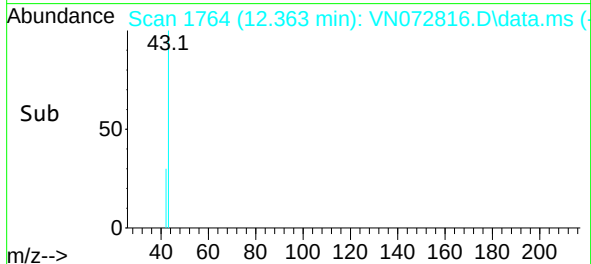
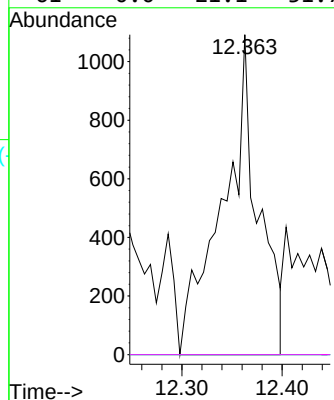


#74
N-amy1 acetate
Concen: 0.564 ug/l
RT: 12.363 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#07

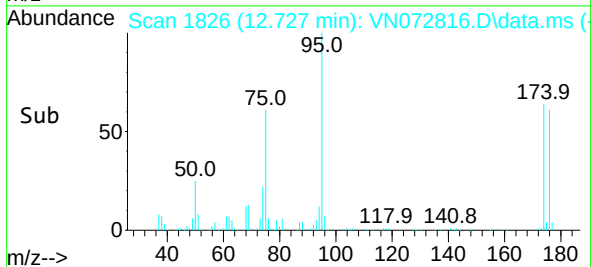
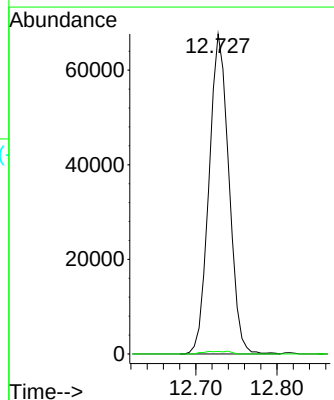
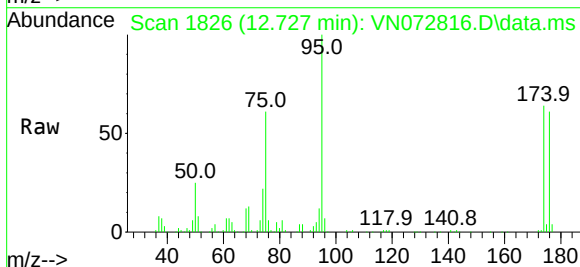


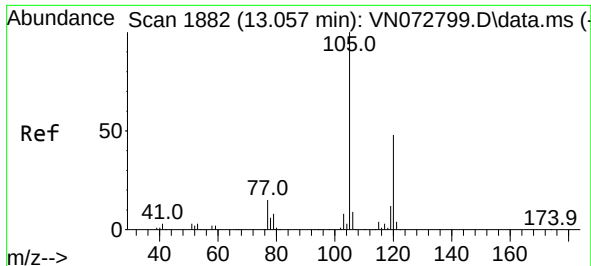
Tgt Ion: 43 Resp: 2670
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 34.589 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

Tgt Ion: 75 Resp: 114926
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

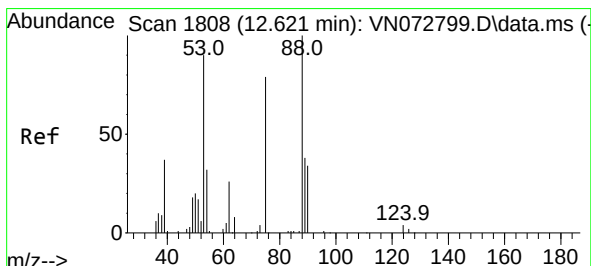
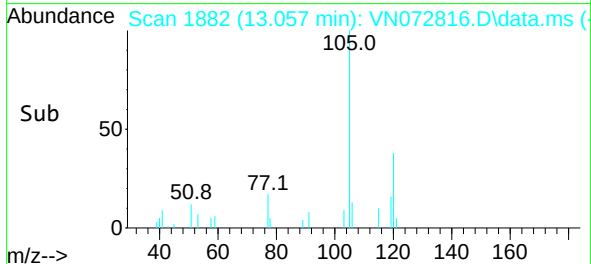
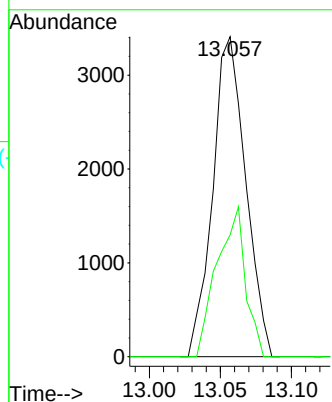
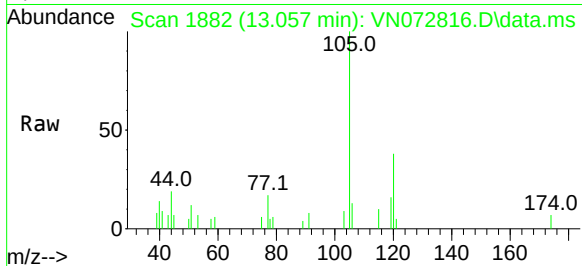




#80
1,3,5-Trimethylbenzene
Concen: 0.689 ug/l
RT: 13.057 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#07

Tgt Ion:105 Resp: 5495
Ion Ratio Lower Upper
105 100
120 40.4 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 105.422 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072816.D
Acq: 14 Jun 2022 00:11

Tgt Ion: 75 Resp: 114926
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

