

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062722\
 Data File : VN073155.D
 Acq On : 27 Jun 2022 12:22
 Operator : JC\MD
 Sample : PB145845TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB145845TB

Quant Time: Jun 28 06:36:30 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)

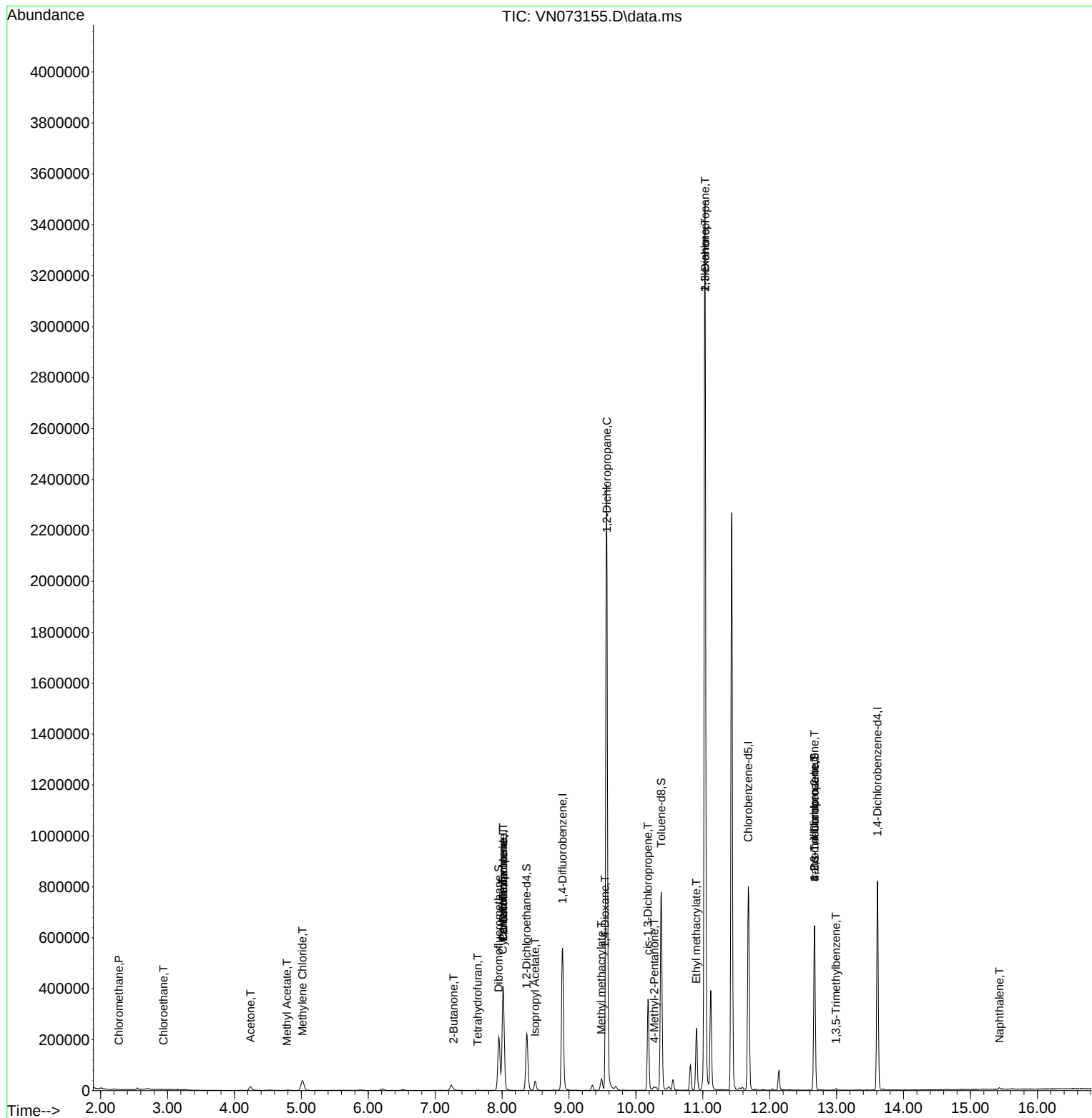
Internal Standards						
1) Pentafluorobenzene	8.016	168	305717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	498770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	458106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	215632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	189487	45.845	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.680%
35) Dibromofluoromethane	7.951	113	156174	50.659	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.320%
50) Toluene-d8	10.380	98	525563	45.815	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.640%
62) 4-Bromofluorobenzene	12.668	95	225410	54.646	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.275	50	485	0.723	ug/l #	68
6) Chloroethane	2.940	64	1901	1.164	ug/l #	42
16) Acetone	4.240	43	30021	13.213	ug/l	93
18) Methyl Acetate	4.787	43	3764	0.622	ug/l #	78
20) Methylene Chloride	5.016	84	31816	8.829	ug/l #	83
25) 2-Butanone	7.275	43	7967	2.210	ug/l #	83
26) 2,2-Dichloropropane	7.228	77	1125	Below Cal	#	53
29) Tetrahydrofuran	7.633	42	1170	0.491	ug/l #	68
31) Cyclohexane	8.010	56	6595	1.180	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	25176	6.035	ug/l #	48
38) Carbon Tetrachloride	8.016	117	31480	7.175	ug/l #	16
43) Isopropyl Acetate	8.492	43	42924	4.500	ug/l #	89
45) 1,2-Dichloropropane	9.569	63	2542	0.759	ug/l #	44
48) Methyl methacrylate	9.486	41	13884	3.188	ug/l #	10
49) 1,4-Dioxane	9.539	88	71	0.725	ug/l #	25
51) 4-Methyl-2-Pentanone	10.275	43	11014	1.771	ug/l #	86
54) cis-1,3-Dichloropropene	10.180	75	63661	12.035	ug/l #	66
56) Ethyl methacrylate	10.904	69	1280	0.226	ug/l #	1
57) 1,3-Dichloropropane	11.033	76	37034	6.316	ug/l #	42
59) 2-Hexanone	11.033	43	568964	118.275	ug/l #	43
76) 1,2,3-Trichloropropane	12.668	75	119251	22.810	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.992	105	2775	0.203	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.668	75	119251	61.602	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.533	75	115	Below Cal	#	1
95) Naphthalene	15.433	128	6911	0.415	ug/l #	87

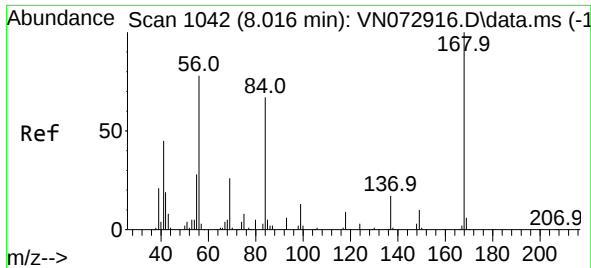
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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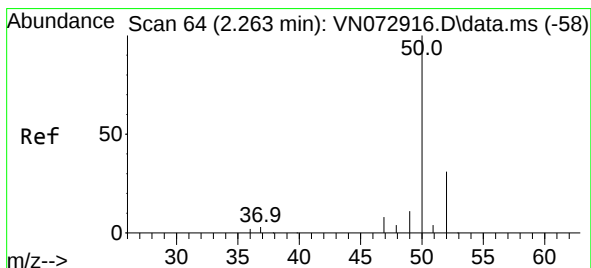
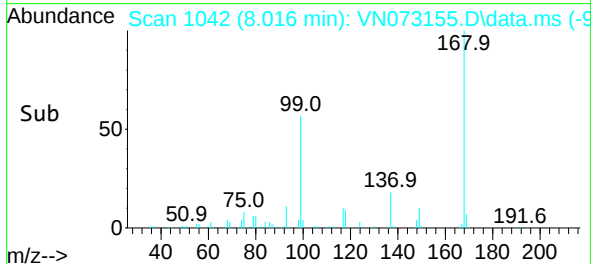
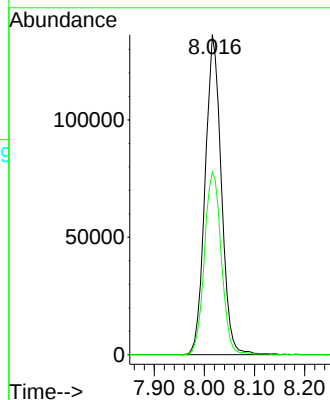
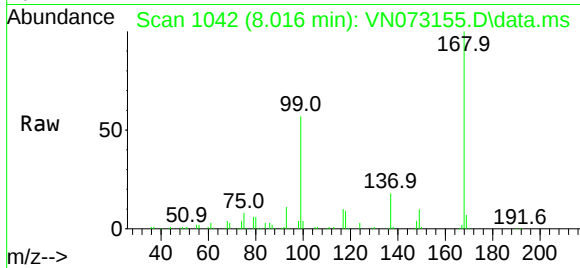




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

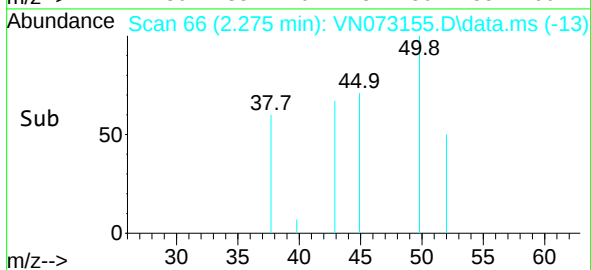
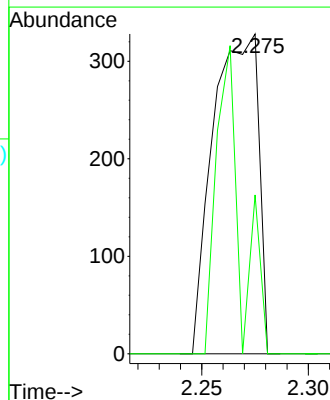
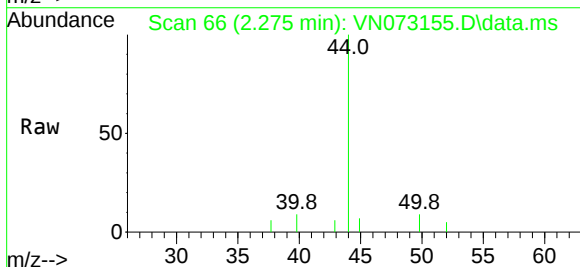
Instrument :
MSVOA_N
ClientSampleId :
PB145845TB

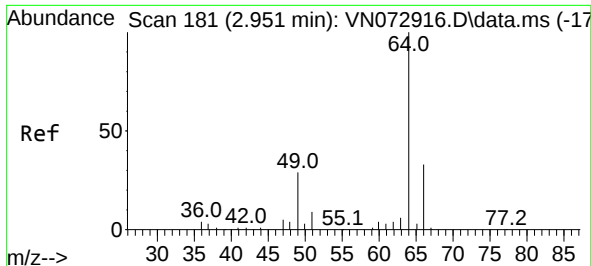
Tgt Ion:168 Resp: 305717
Ion Ratio Lower Upper
168 100
99 57.0 42.3 63.5



#3
Chloromethane
Concen: 0.723 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.012 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

Tgt Ion: 50 Resp: 485
Ion Ratio Lower Upper
50 100
52 49.7 25.7 38.5#

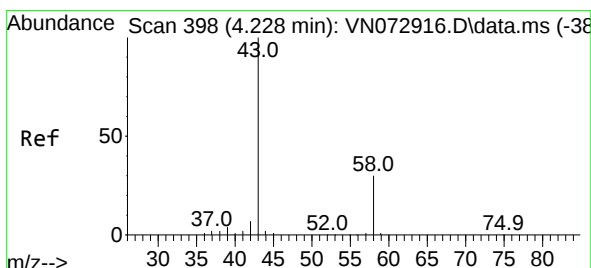
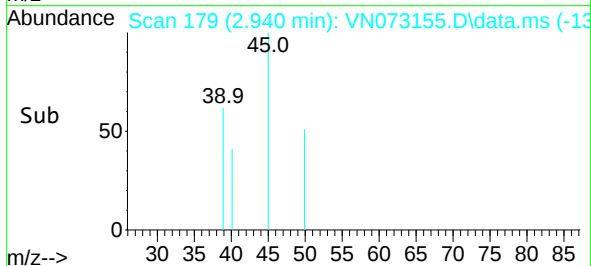
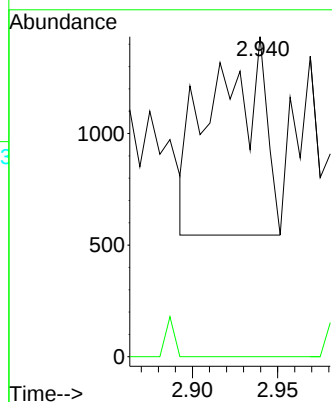
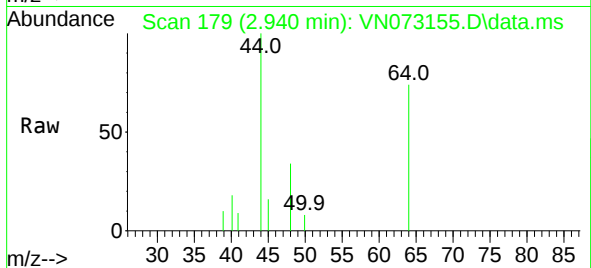




#6
Chloroethane
Concen: 1.164 ug/l
RT: 2.940 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

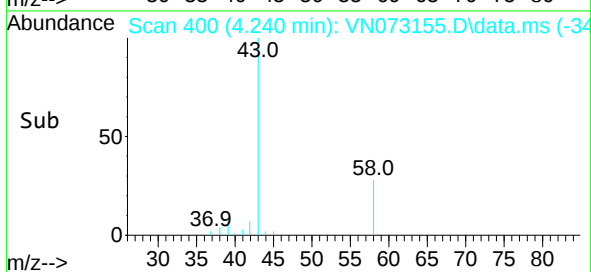
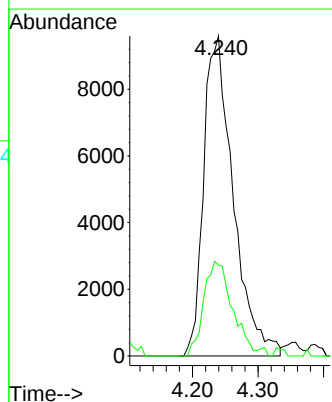
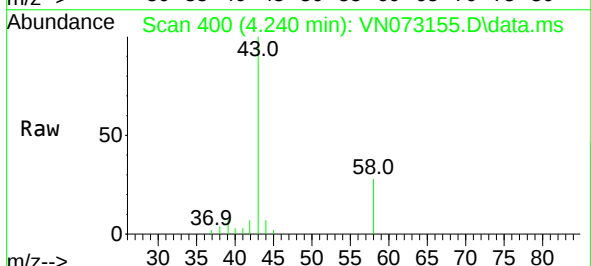
Instrument :
MSVOA_N
ClientSampleId :
PB145845TB

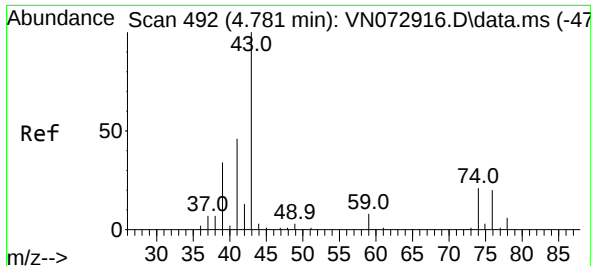
Tgt Ion: 64 Resp: 1901
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 13.213 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.012 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

Tgt Ion: 43 Resp: 30021
Ion Ratio Lower Upper
43 100
58 28.3 26.0 39.0

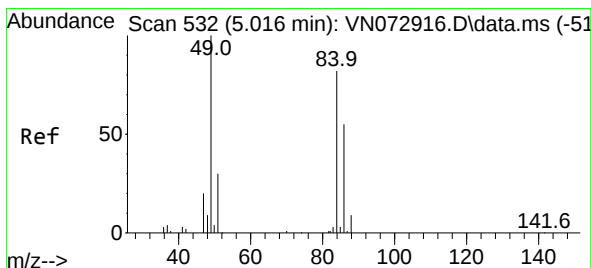
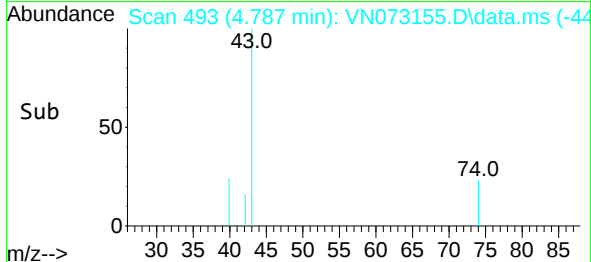
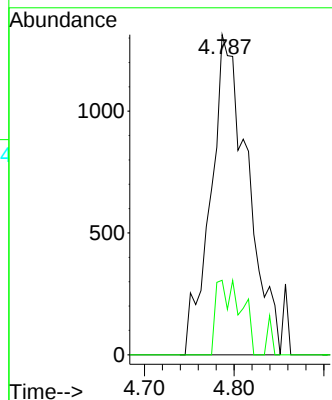
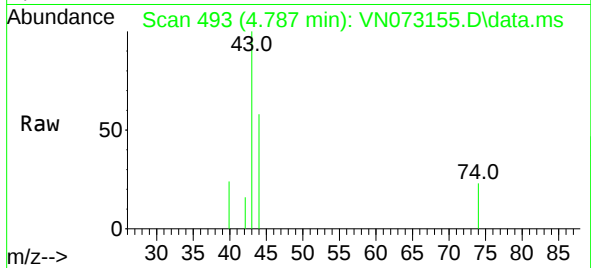




#18
Methyl Acetate
Concen: 0.622 ug/l
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

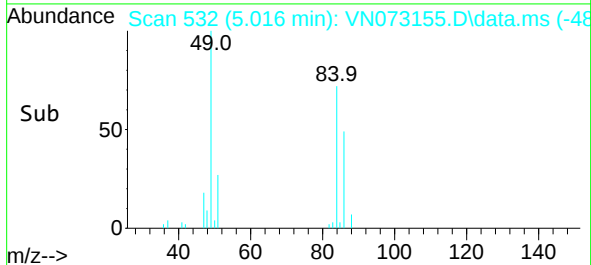
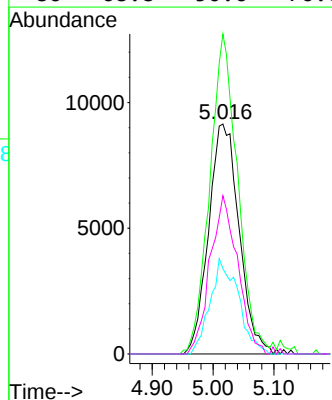
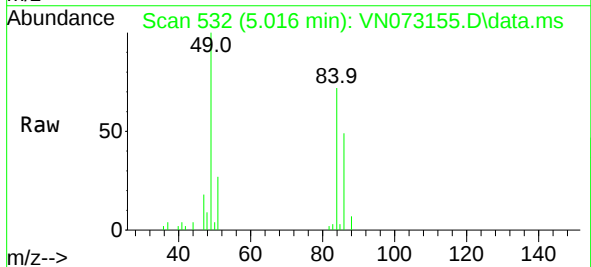
Instrument :
MSVOA_N
ClientSampleId :
PB145845TB

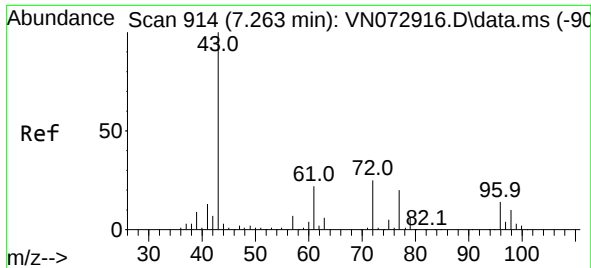
Tgt Ion: 43 Resp: 3764
Ion Ratio Lower Upper
43 100
74 15.7 21.6 32.4#



#20
Methylene Chloride
Concen: 8.829 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.000 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

Tgt Ion: 84 Resp: 31816
Ion Ratio Lower Upper
84 100
49 139.1 88.3 132.5#
51 37.1 28.2 42.2
86 68.8 50.6 76.0

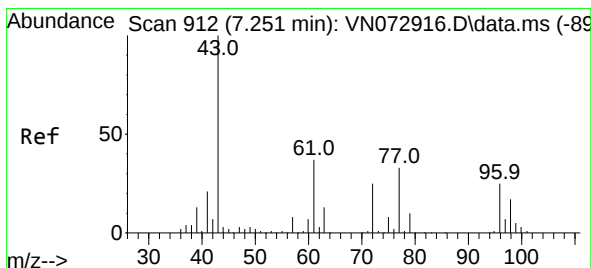
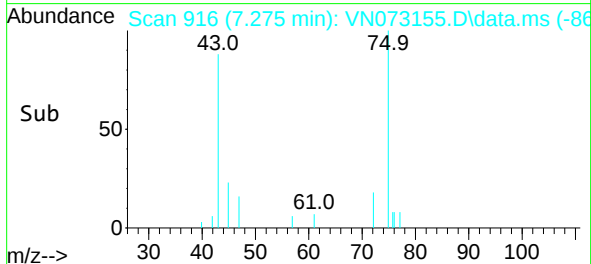
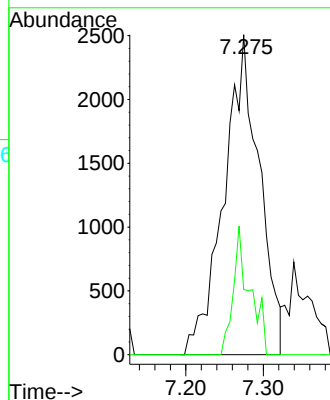
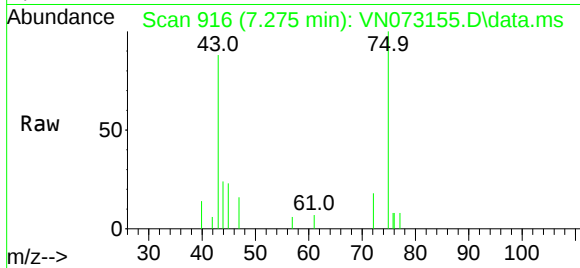




#25
2-Butanone
Concen: 2.210 ug/l
RT: 7.275 min Scan# 914
Delta R.T. 0.012 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

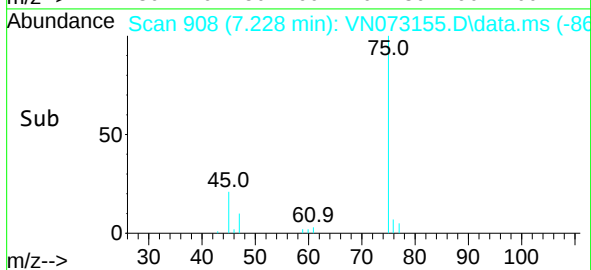
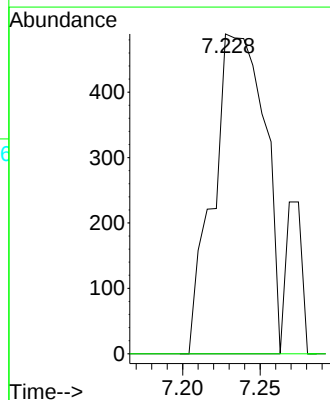
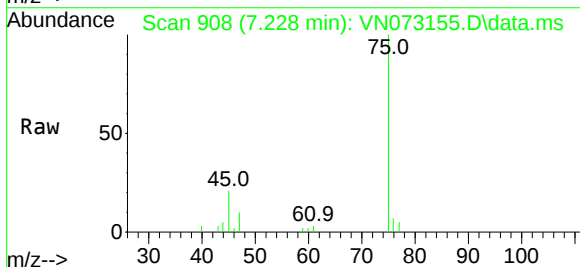
Instrument :
MSVOA_N
ClientSampleId :
PB145845TB

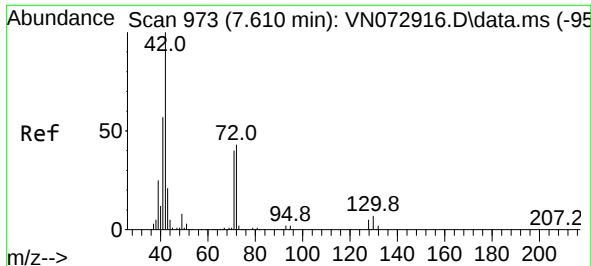
Tgt Ion: 43 Resp: 7967
Ion Ratio Lower Upper
43 100
72 20.3 23.7 35.5#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.228 min Scan# 908
Delta R.T. -0.023 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

Tgt Ion: 77 Resp: 1125
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.491 ug/l

RT: 7.633 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN073155.D

Acq: 27 Jun 2022 12:22

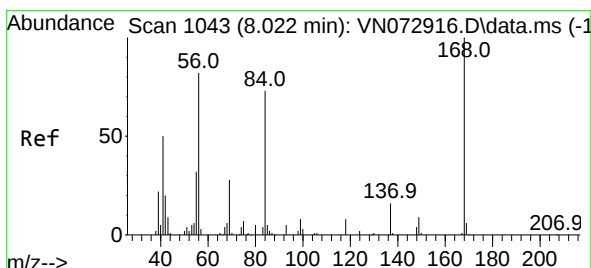
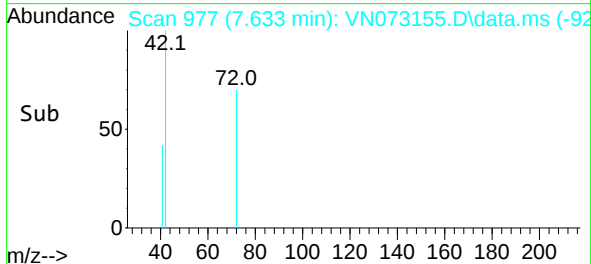
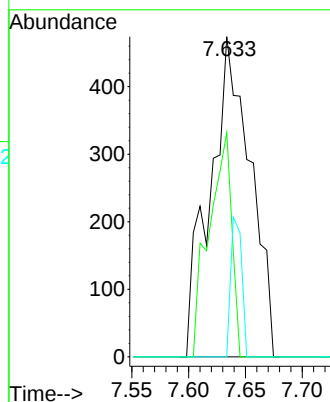
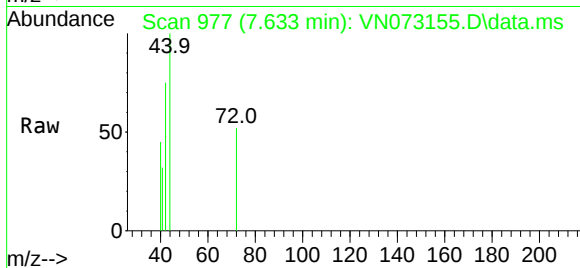
Instrument :

MSVOA_N

ClientSampleId :

PB145845TB

Tgt Ion:	42	Resp:	1170
Ion	Ratio	Lower	Upper
42	100		
72	39.6	39.7	59.5#
71	11.8	36.6	55.0#



#31

Cyclohexane

Concen: 1.180 ug/l

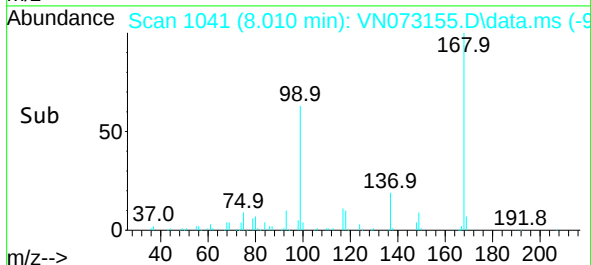
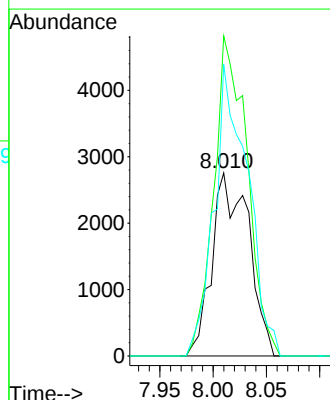
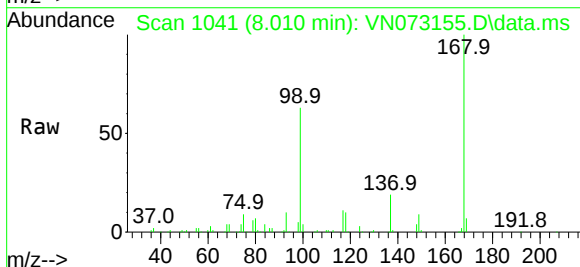
RT: 8.010 min Scan# 1041

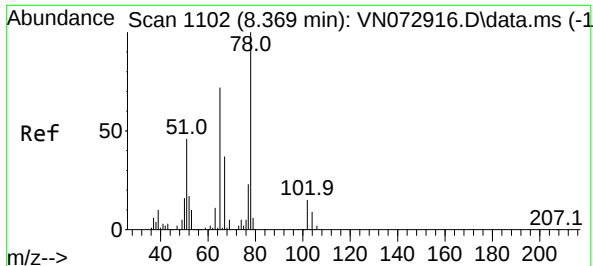
Delta R.T. -0.012 min

Lab File: VN073155.D

Acq: 27 Jun 2022 12:22

Tgt Ion:	56	Resp:	6595
Ion	Ratio	Lower	Upper
56	100		
69	174.9	27.8	41.8#
84	159.3	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 45.845 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073155.D

Acq: 27 Jun 2022 12:22

Instrument :

MSVOA_N

ClientSampleId :

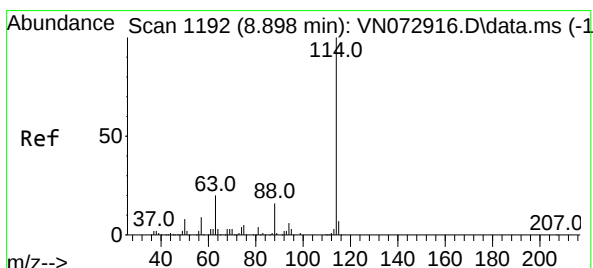
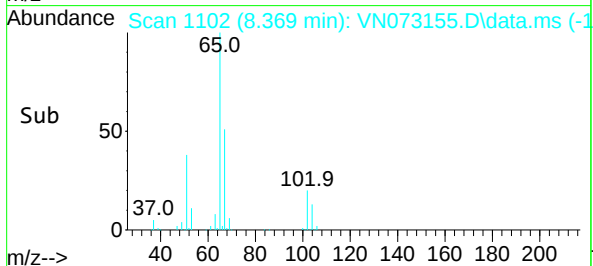
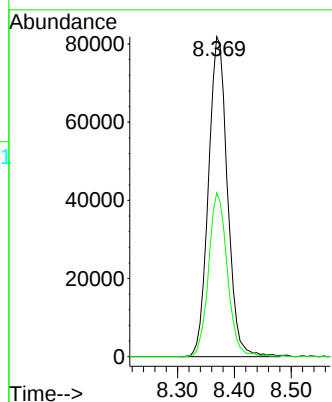
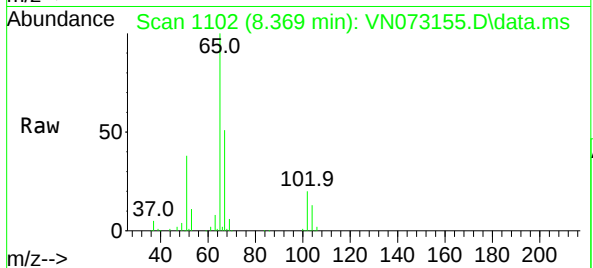
PB145845TB

Tgt Ion: 65 Resp: 189487

Ion Ratio Lower Upper

65 100

67 50.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073155.D

Acq: 27 Jun 2022 12:22

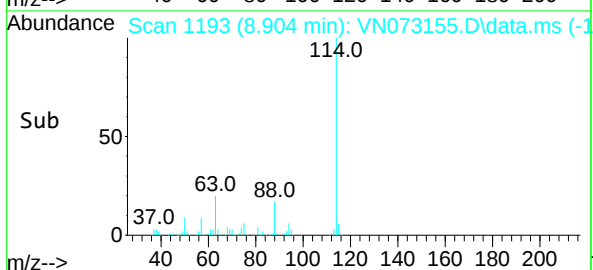
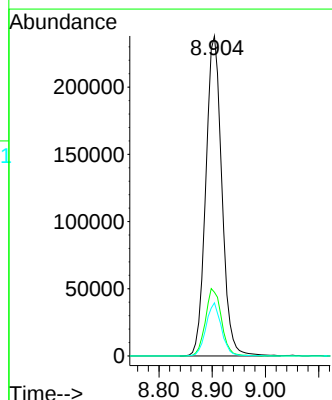
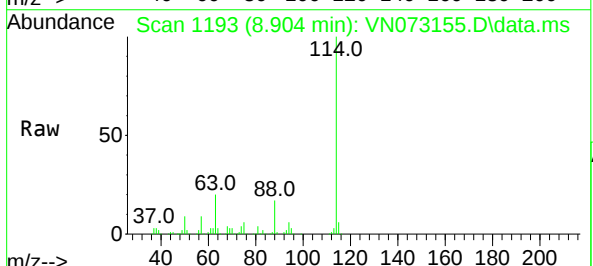
Tgt Ion: 114 Resp: 498770

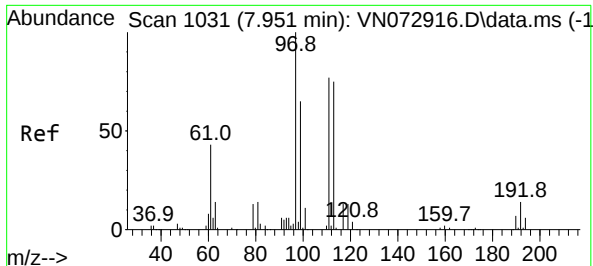
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.659 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VN073155.D

Acq: 27 Jun 2022 12:22

Instrument :

MSVOA_N

ClientSampleId :

PB145845TB

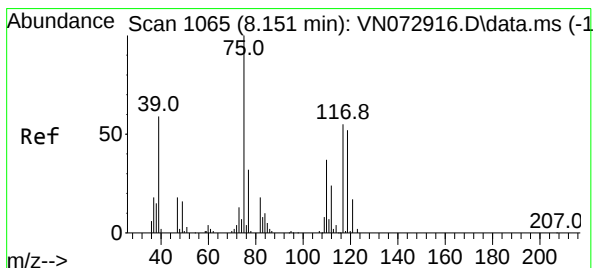
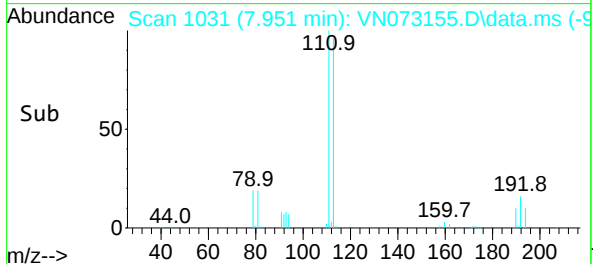
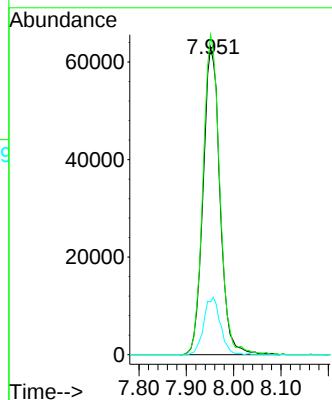
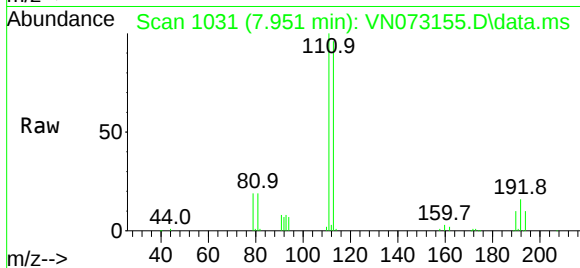
Tgt Ion:113 Resp: 156174

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 18.4 17.0 25.6



#36

1,1-Dichloropropene

Concen: 6.035 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073155.D

Acq: 27 Jun 2022 12:22

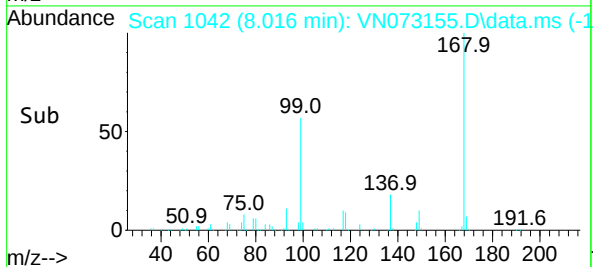
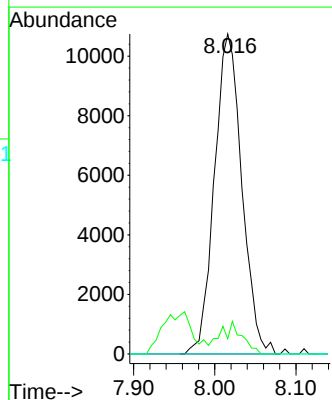
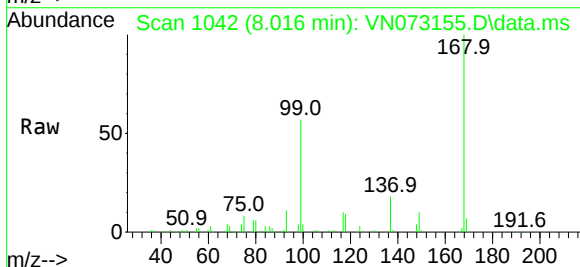
Tgt Ion: 75 Resp: 25176

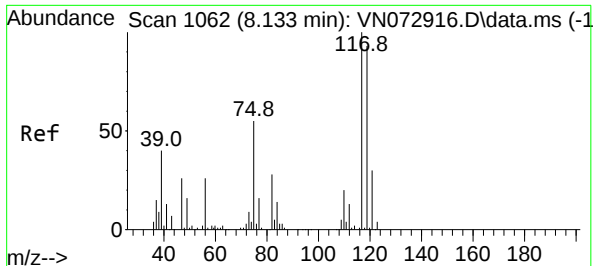
Ion Ratio Lower Upper

75 100

110 8.0 18.3 54.8#

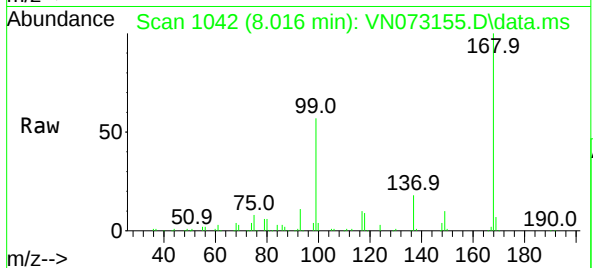
77 0.0 25.1 37.7#



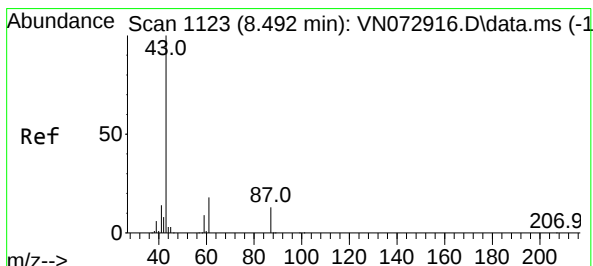
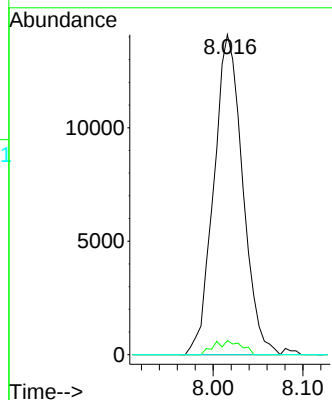
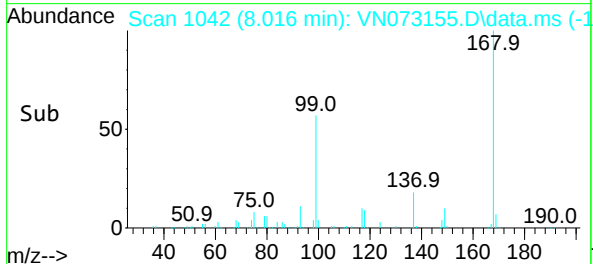


#38
Carbon Tetrachloride
Concen: 7.175 ug/l
RT: 8.016 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

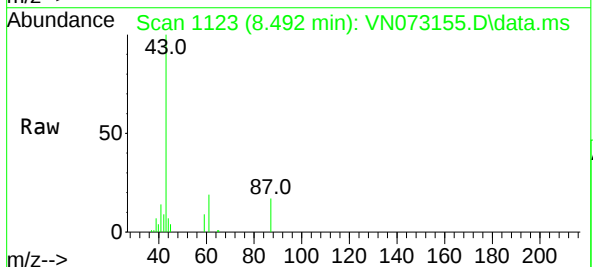
Instrument :
MSVOA_N
ClientSampleId :
PB145845TB



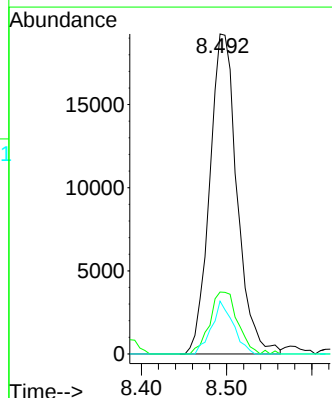
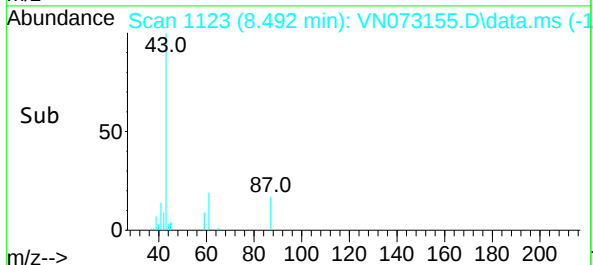
Tgt Ion:117 Resp: 31480
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.8#
121 0.0 24.6 37.0#

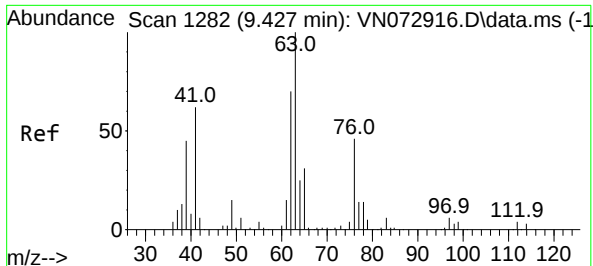


#43
Isopropyl Acetate
Concen: 4.500 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22



Tgt Ion: 43 Resp: 42924
Ion Ratio Lower Upper
43 100
61 19.5 21.9 32.9#
87 13.0 12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.759 ug/l

RT: 9.569 min Scan# 11

Delta R.T. 0.141 min

Lab File: VN073155.D

Acq: 27 Jun 2022 12:22

Instrument :

MSVOA_N

ClientSampleId :

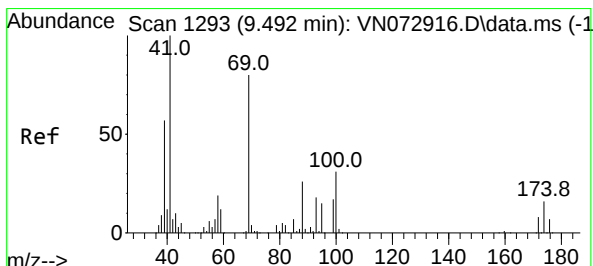
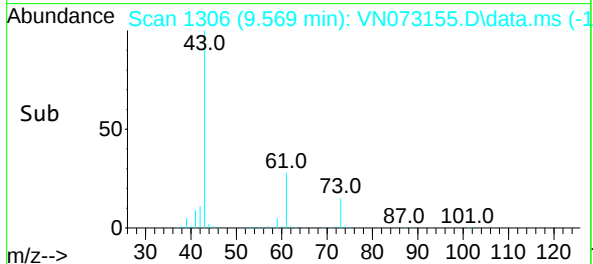
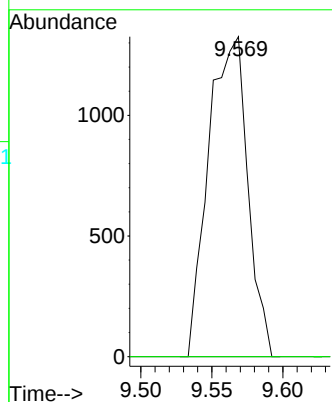
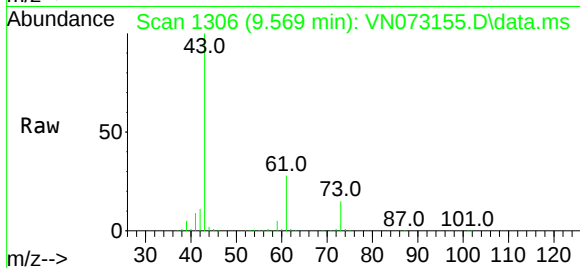
PB145845TB

Tgt Ion: 63 Resp: 2542

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 3.188 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.006 min

Lab File: VN073155.D

Acq: 27 Jun 2022 12:22

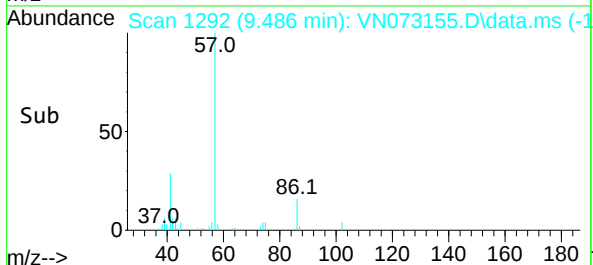
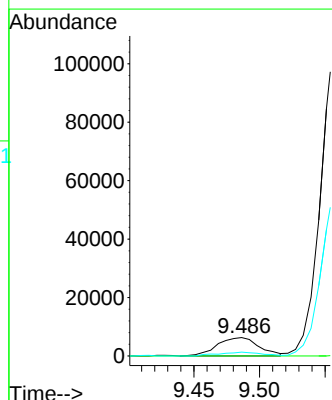
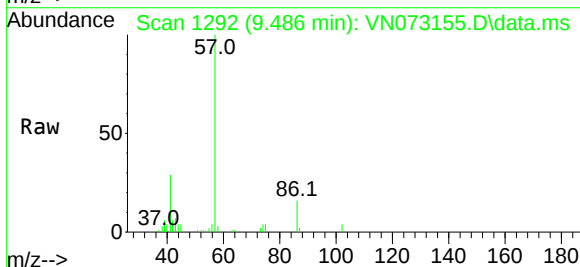
Tgt Ion: 41 Resp: 13884

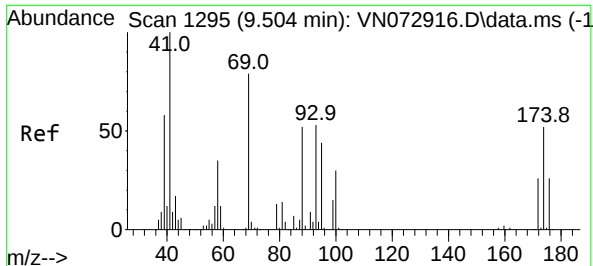
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#

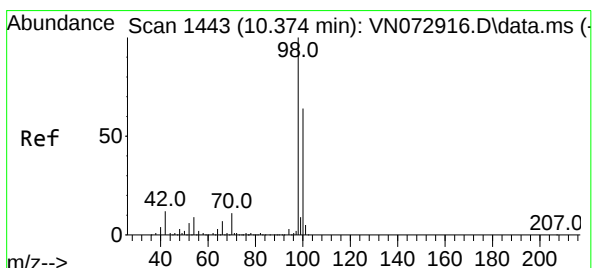
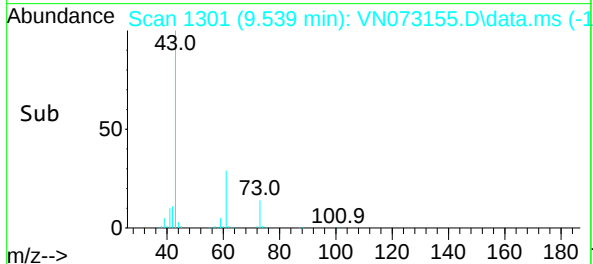
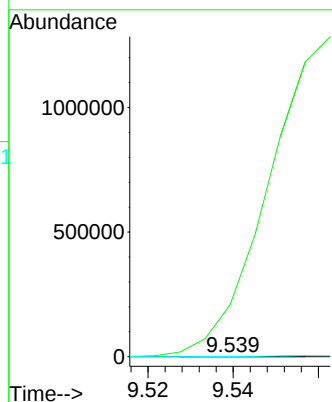
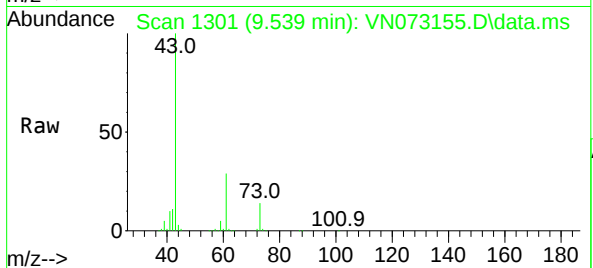




#49
1,4-Dioxane
Concen: 0.725 ug/l
RT: 9.539 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

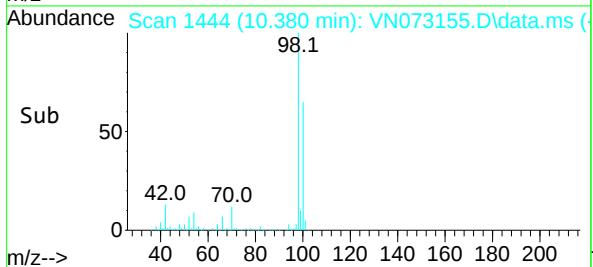
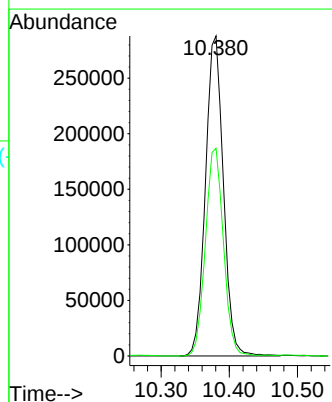
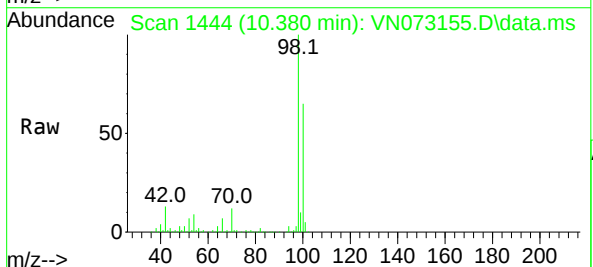
Instrument :
MSVOA_N
ClientSampleId :
PB145845TB

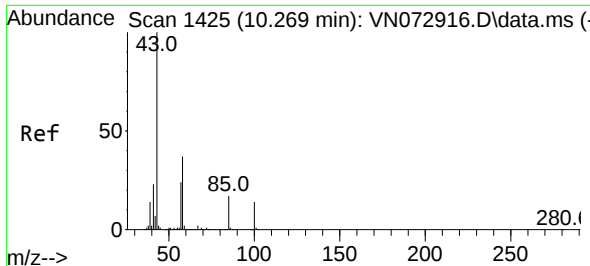
Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 45.815 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

Tgt Ion: 98 Resp: 525563
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.771 ug/l

RT: 10.275 min Scan# 1425

Delta R.T. 0.006 min

Lab File: VN073155.D

Acq: 27 Jun 2022 12:22

Instrument :

MSVOA_N

ClientSampleId :

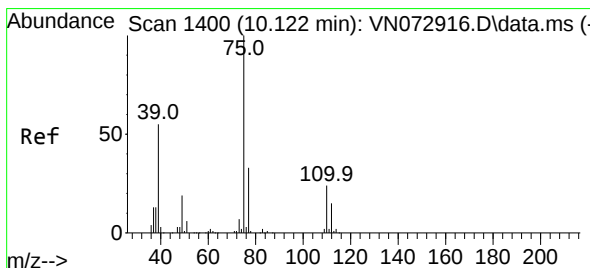
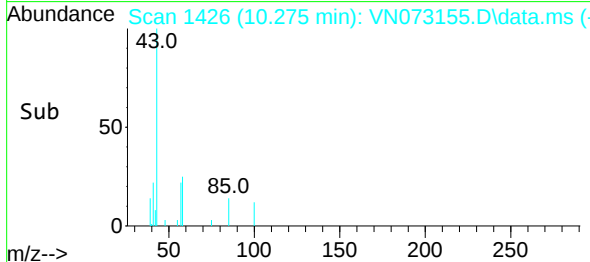
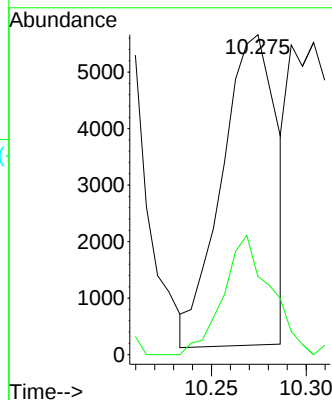
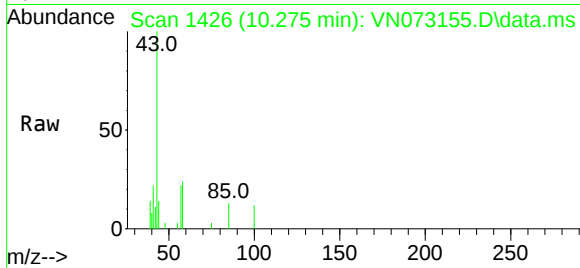
PB145845TB

Tgt Ion: 43 Resp: 11014

Ion Ratio Lower Upper

43 100

58 33.6 34.1 51.1#



#54

cis-1,3-Dichloropropene

Concen: 12.035 ug/l

RT: 10.180 min Scan# 1410

Delta R.T. 0.059 min

Lab File: VN073155.D

Acq: 27 Jun 2022 12:22

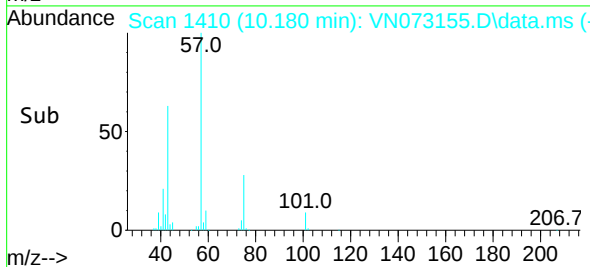
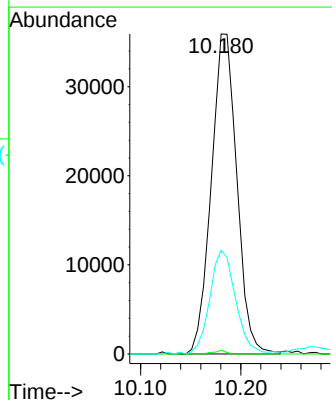
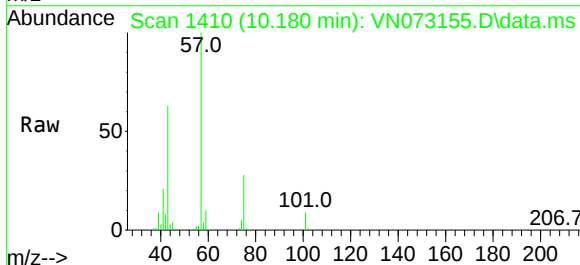
Tgt Ion: 75 Resp: 63661

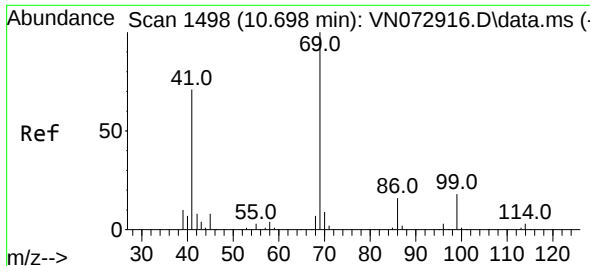
Ion Ratio Lower Upper

75 100

77 1.2 25.2 37.8#

39 31.9 35.7 53.5#

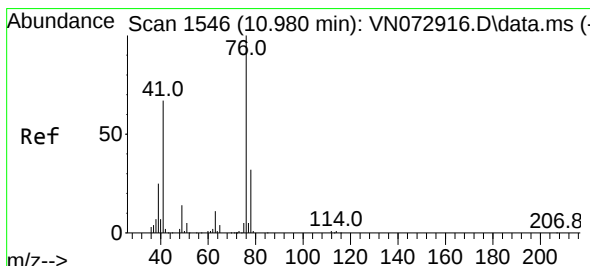
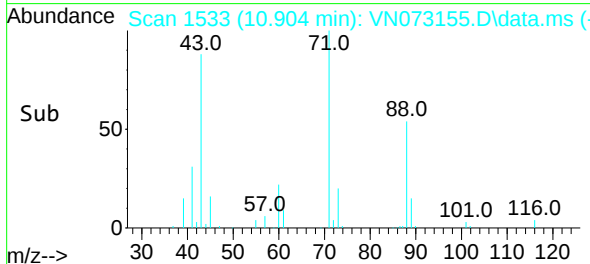
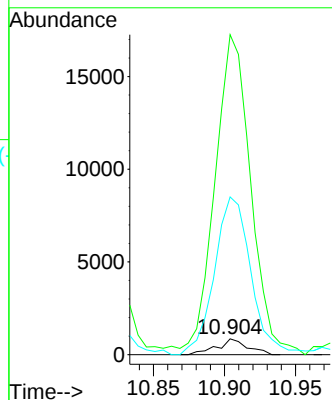
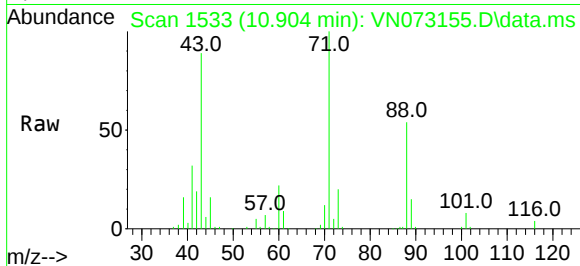




#56
Ethyl methacrylate
Concen: 0.226 ug/l
RT: 10.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

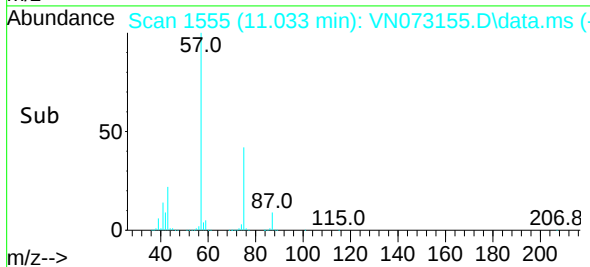
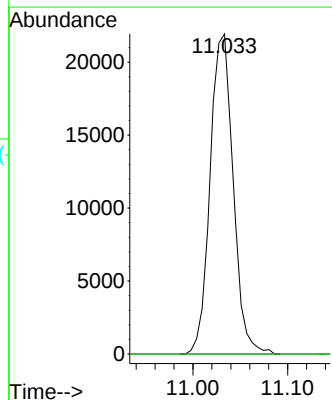
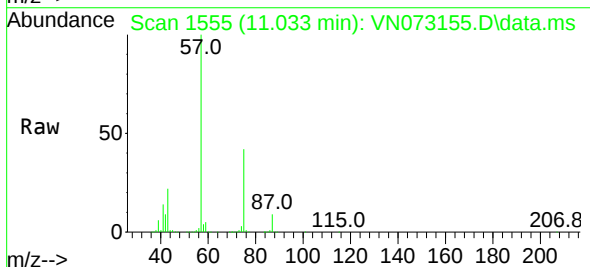
Instrument :
MSVOA_N
ClientSampleId :
PB145845TB

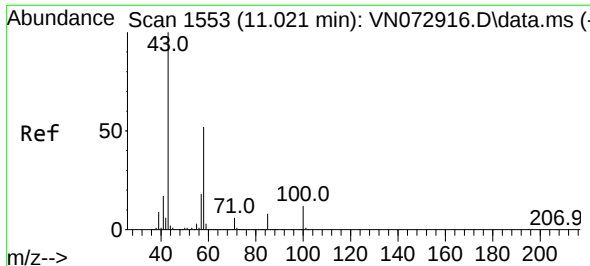
Tgt Ion: 69 Resp: 1280
Ion Ratio Lower Upper
69 100
41 2364.0 47.8 71.6#
39 1189.0 27.3 40.9#



#57
1,3-Dichloropropane
Concen: 6.316 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.053 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

Tgt Ion: 76 Resp: 37034
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

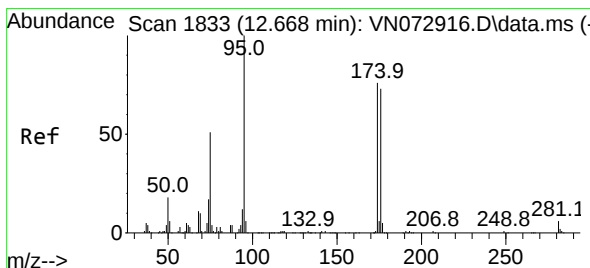
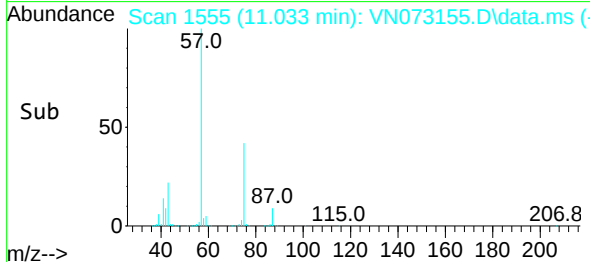
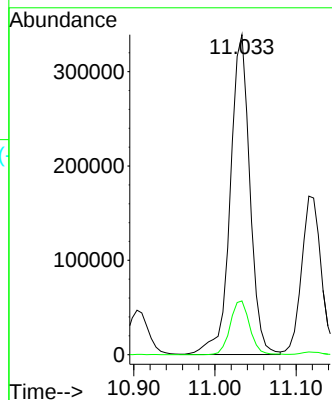
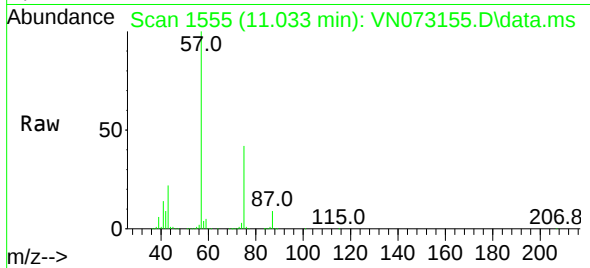




#59
2-Hexanone
Concen: 118.275 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

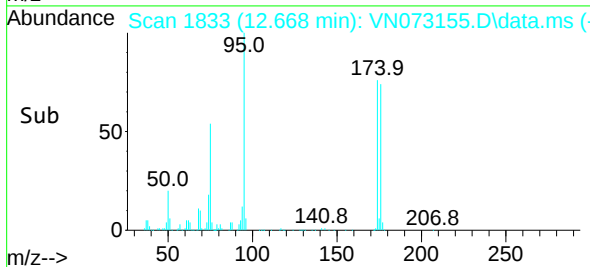
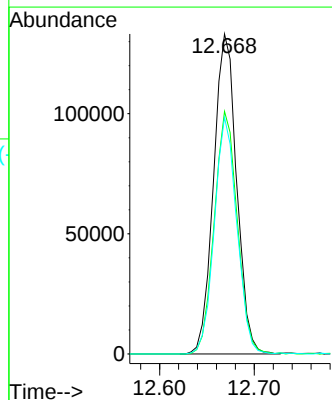
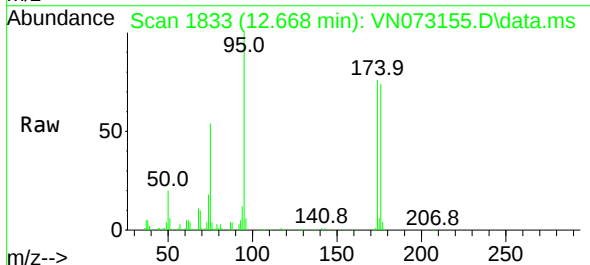
Instrument :
MSVOA_N
ClientSampleId :
PB145845TB

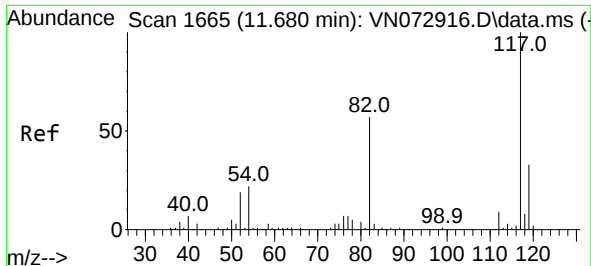
Tgt Ion: 43 Resp: 568964
Ion Ratio Lower Upper
43 100
58 16.8 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 54.646 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

Tgt Ion: 95 Resp: 225410
Ion Ratio Lower Upper
95 100
174 75.7 0.0 167.6
176 72.1 0.0 163.4

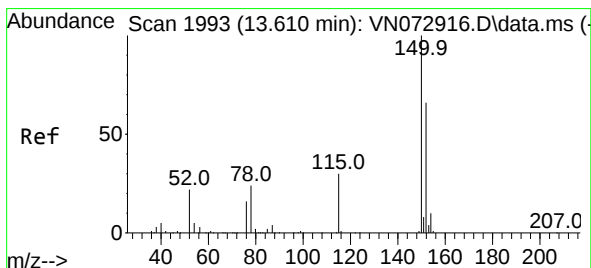
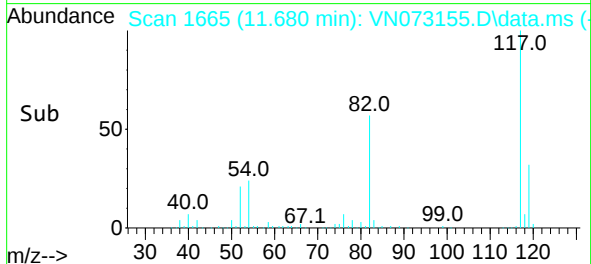
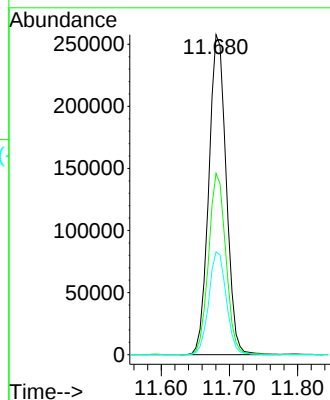
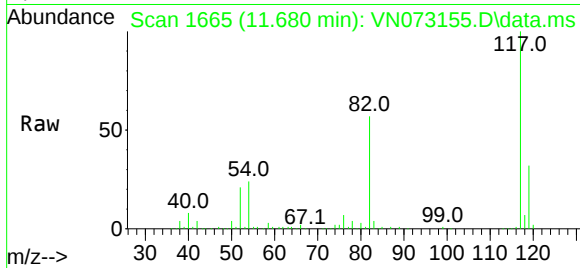




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

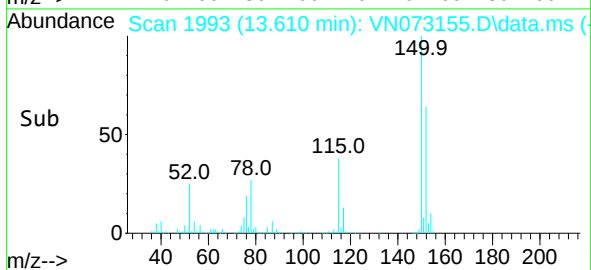
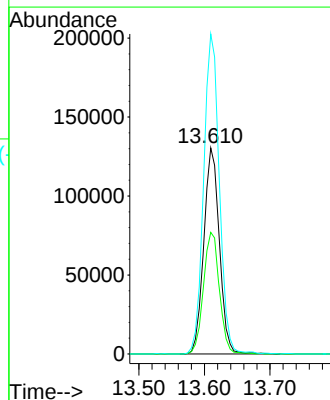
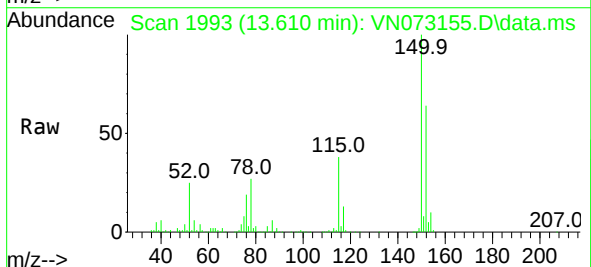
Instrument :
MSVOA_N
ClientSampleId :
PB145845TB

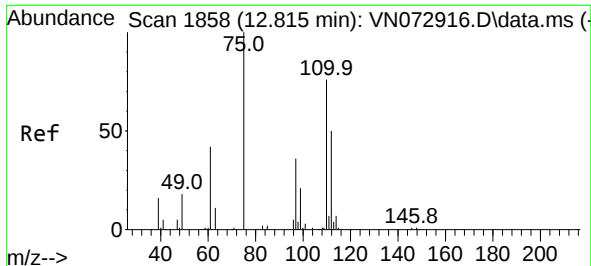
Tgt Ion:117 Resp: 458106
Ion Ratio Lower Upper
117 100
82 56.6 44.2 66.2
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

Tgt Ion:152 Resp: 215632
Ion Ratio Lower Upper
152 100
115 60.4 28.9 86.7
150 156.4 0.0 356.2

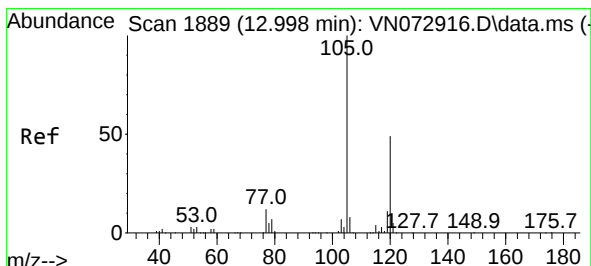
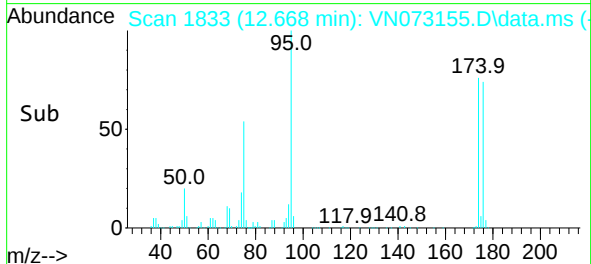
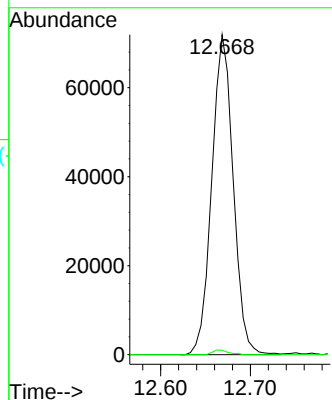
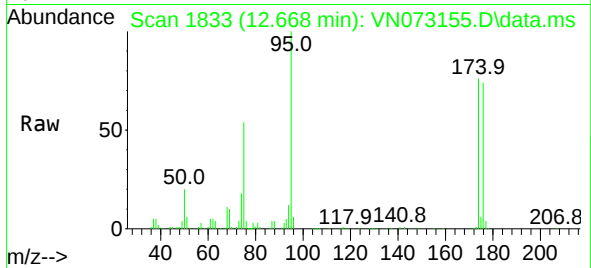




#76
1,2,3-Trichloropropane
Concen: 22.810 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

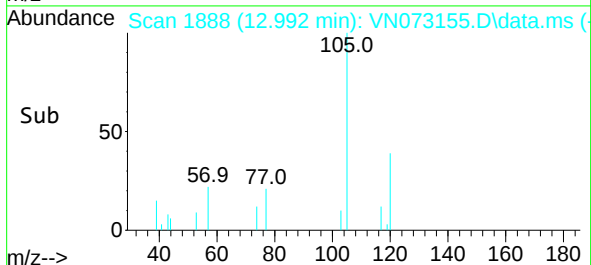
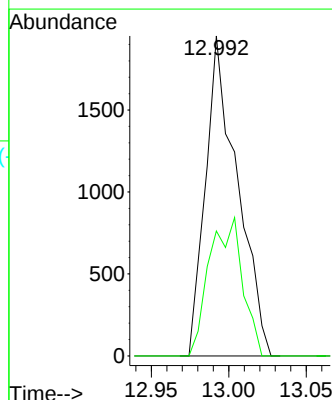
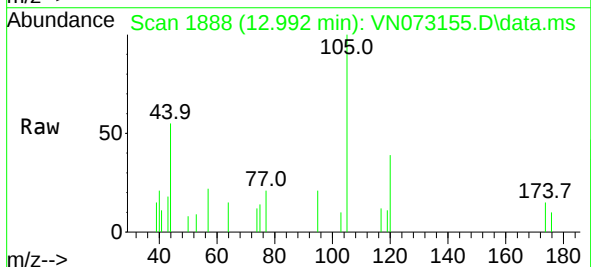
Instrument :
MSVOA_N
ClientSampleId :
PB145845TB

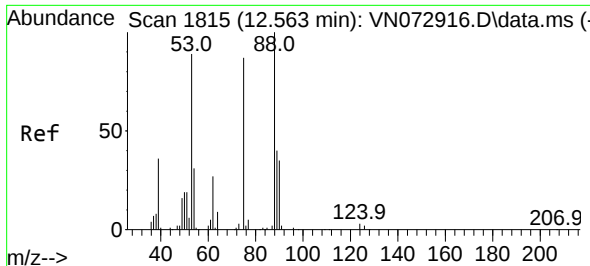
Tgt Ion: 75 Resp: 119251
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.203 ug/l
RT: 12.992 min Scan# 1888
Delta R.T. -0.006 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

Tgt Ion: 105 Resp: 2775
Ion Ratio Lower Upper
105 100
120 45.3 24.9 74.7

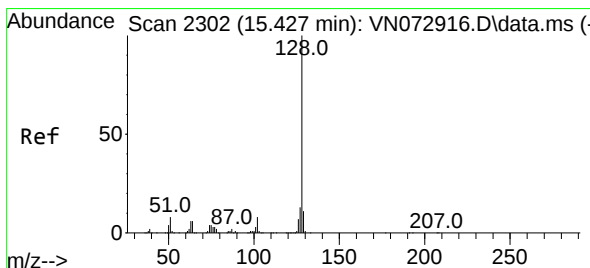
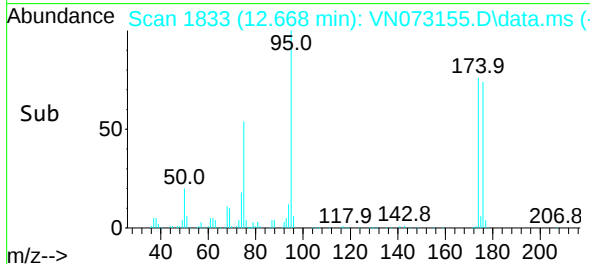
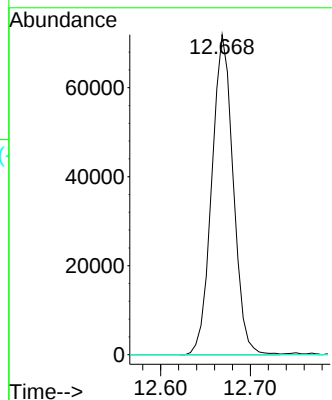
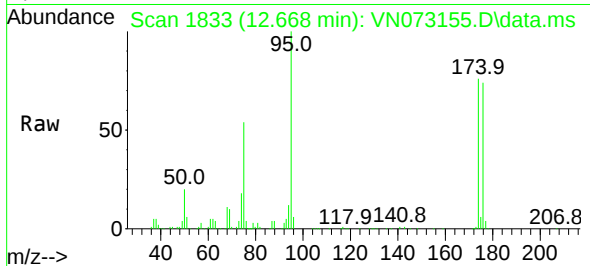




#81
trans-1,4-Dichloro-2-butene
Concen: 61.602 ug/l
RT: 12.668 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

Instrument :
MSVOA_N
ClientSampleId :
PB145845TB

Tgt Ion: 75 Resp: 119251
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.415 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073155.D
Acq: 27 Jun 2022 12:22

Tgt Ion: 128 Resp: 6911
Ion Ratio Lower Upper
128 100
127 9.5 10.3 15.5#
129 4.1 8.6 13.0#

