

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072522\
 Data File : VN073582.D
 Acq On : 25 Jul 2022 16:22
 Operator : JC\MD
 Sample : PB146364ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146364ZHE#02

Quant Time: Jul 26 02:17:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

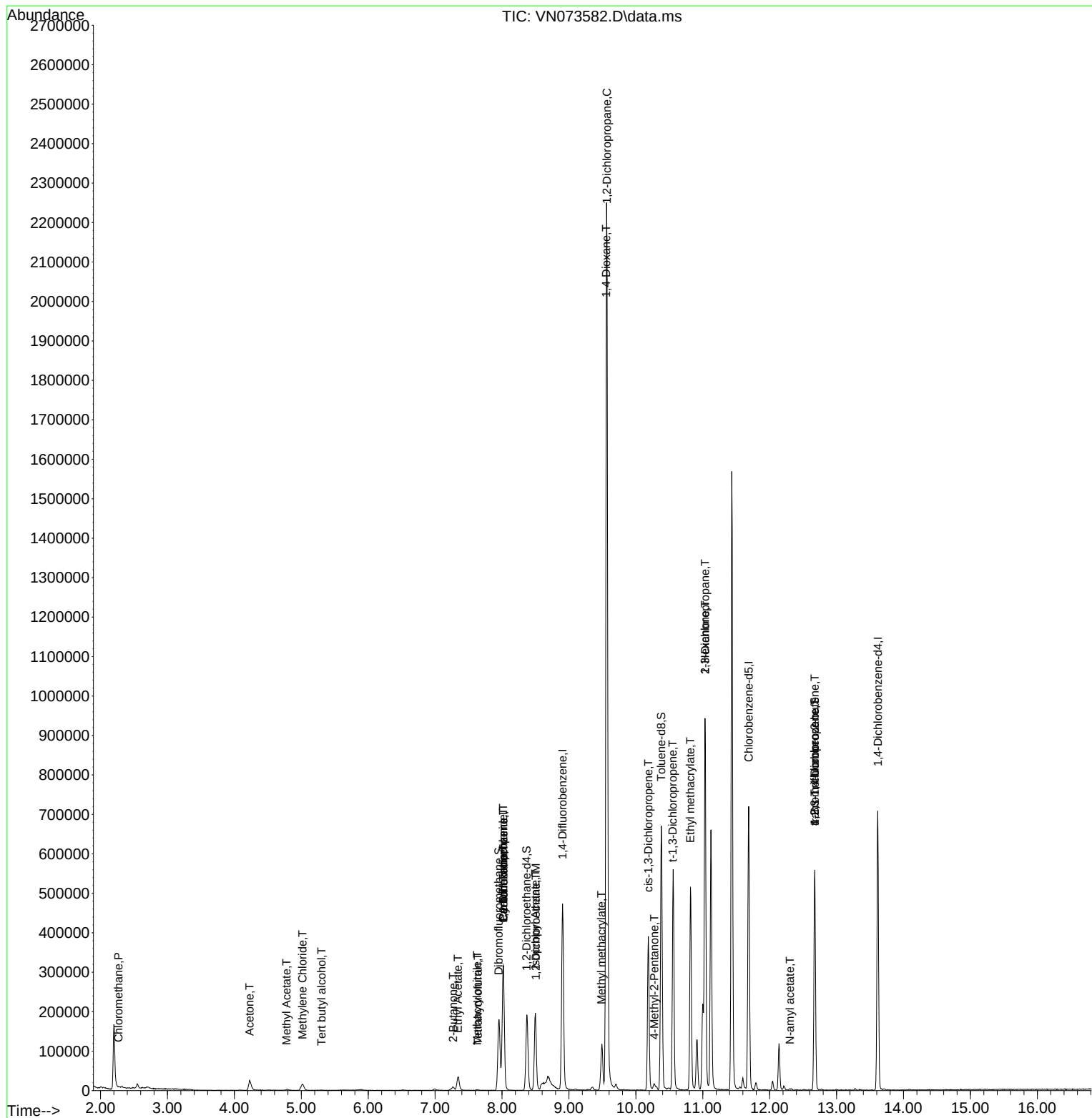
Internal Standards						
1) Pentafluorobenzene	8.022	168	239468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	408724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	394753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	183430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	155518	44.987	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.980%		
35) Dibromofluoromethane	7.951	113	132528	48.736	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.480%		
50) Toluene-d8	10.381	98	455898	47.204	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.400%		
62) 4-Bromofluorobenzene	12.675	95	183413	49.417	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.840%		
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	1051	0.309	ug/l #	43
11) Tert butyl alcohol	5.304	59	1378	1.645	ug/l #	72
16) Acetone	4.228	43	46095	23.755	ug/l	96
18) Methyl Acetate	4.781	43	5811	1.069	ug/l #	71
20) Methylene Chloride	5.016	84	12421	3.642	ug/l	89
25) 2-Butanone	7.269	43	12224	3.957	ug/l	99
29) Tetrahydrofuran	7.640	42	1561	0.738	ug/l #	40
31) Cyclohexane	8.022	56	6182	1.092	ug/l #	44
36) 1,1-Dichloropropene	8.016	75	20072	4.797	ug/l #	48
37) Ethyl Acetate	7.340	43	56965	9.010	ug/l	97
38) Carbon Tetrachloride	8.016	117	25392	5.868	ug/l #	17
41) Methacrylonitrile	7.628	41	667	0.218	ug/l #	30
42) 1,2-Dichloroethane	8.504	62	1310	0.280	ug/l #	74
43) Isopropyl Acetate	8.498	43	229024	25.206	ug/l #	85
45) 1,2-Dichloropropane	9.569	63	2718	0.826	ug/l #	44
48) Methyl methacrylate	9.487	41	8326	1.979	ug/l #	40
49) 1,4-Dioxane	9.557	88	198	2.479	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	18209	3.160	ug/l #	68
53) t-1,3-Dichloropropene	10.551	75	1537	0.323	ug/l #	87
54) cis-1,3-Dichloropropene	10.186	75	65966	12.824	ug/l #	68
56) Ethyl methacrylate	10.816	69	1622	0.305	ug/l #	1
57) 1,3-Dichloropropane	11.033	76	9438	1.676	ug/l #	42
59) 2-Hexanone	11.033	43	149168	33.962	ug/l #	46
74) N-amyl acetate	12.304	43	3834	0.483	ug/l #	39
76) 1,2,3-Trichloropropane	12.675	75	97561	20.341	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	97561	55.784	ug/l #	10

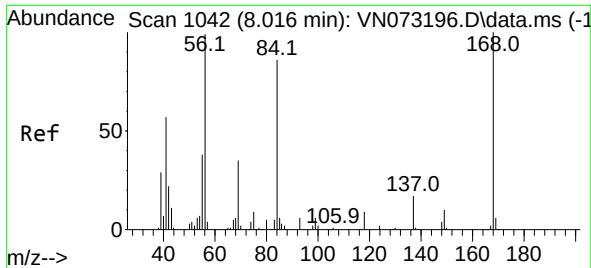
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VN073582.D

Acq: 25 Jul 2022 16:22

Instrument :

MSVOA_N

ClientSampleId :

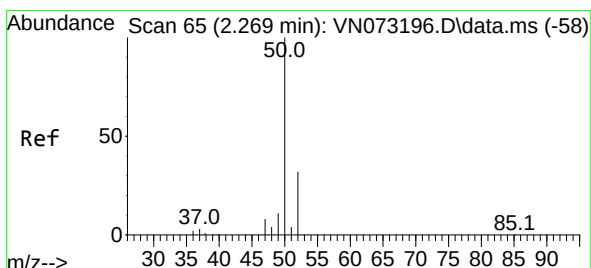
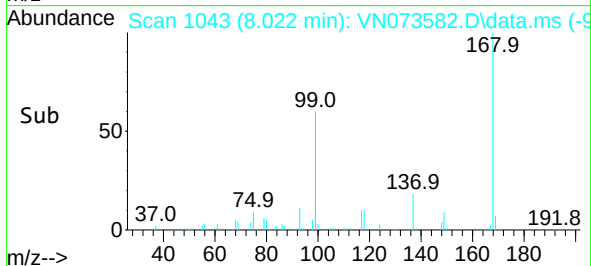
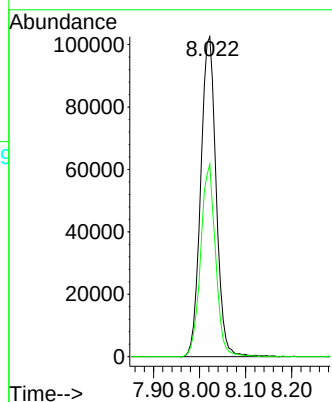
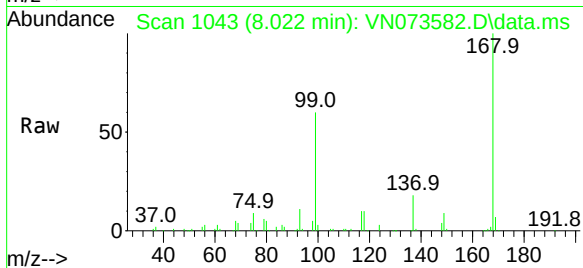
PB146364ZHE#02

Tgt Ion:168 Resp: 239468

Ion Ratio Lower Upper

168 100

99 60.2 42.3 63.5



#3

Chloromethane

Concen: 0.309 ug/l

RT: 2.269 min Scan# 65

Delta R.T. 0.000 min

Lab File: VN073582.D

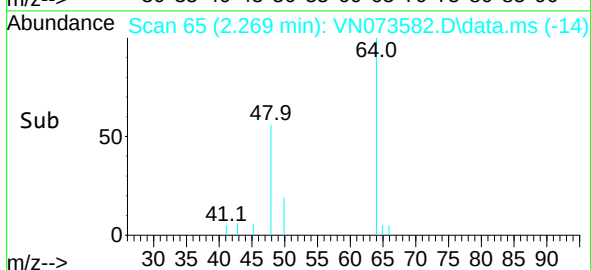
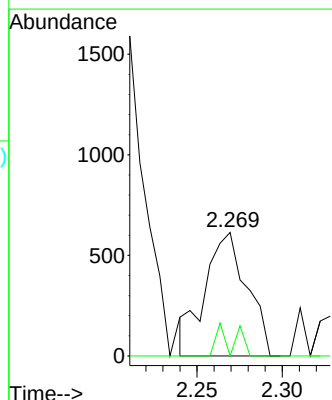
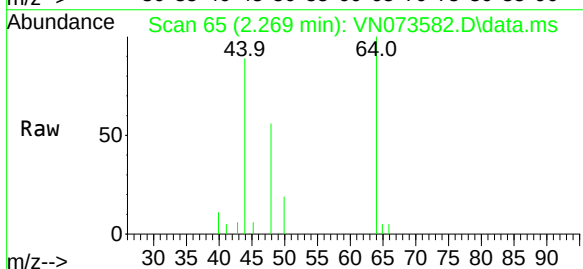
Acq: 25 Jul 2022 16:22

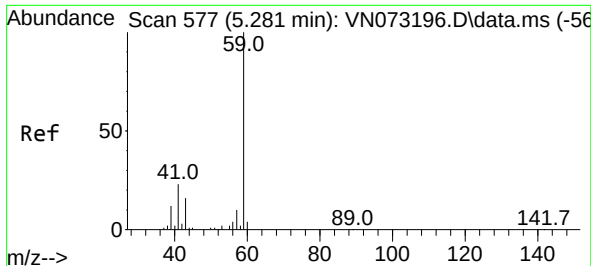
Tgt Ion: 50 Resp: 1051

Ion Ratio Lower Upper

50 100

52 0.0 25.7 38.5#

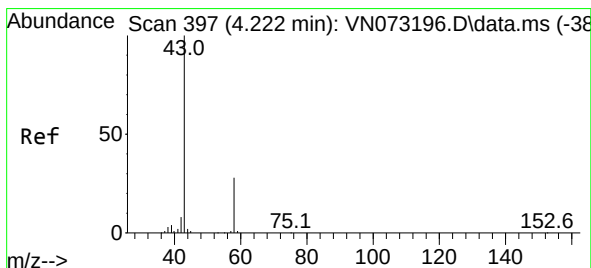
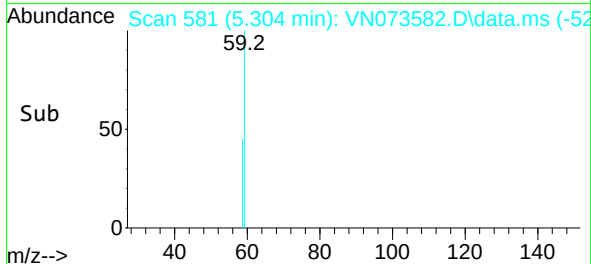
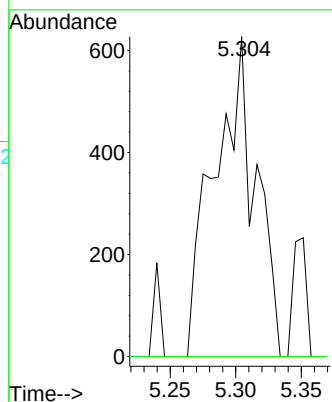
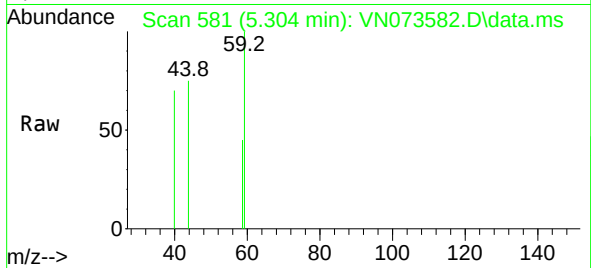




#11
Tert butyl alcohol
Concen: 1.645 ug/l
RT: 5.304 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

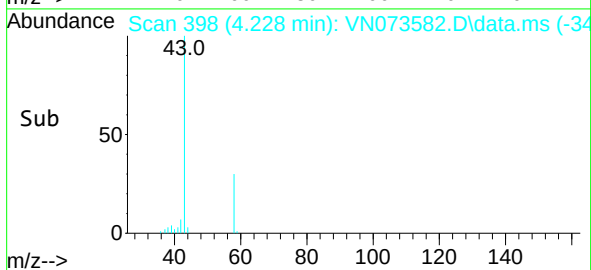
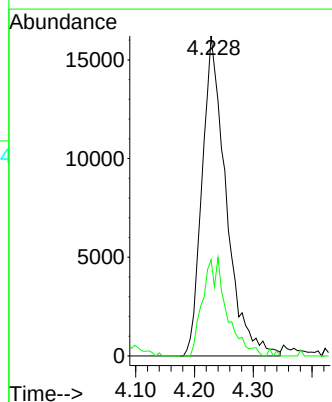
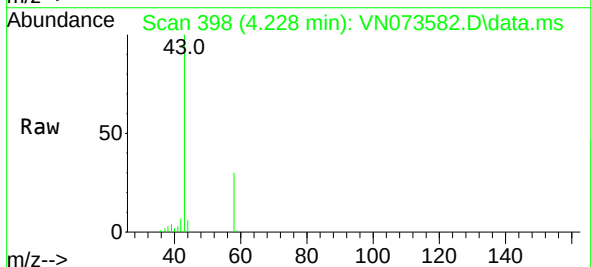
Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#02

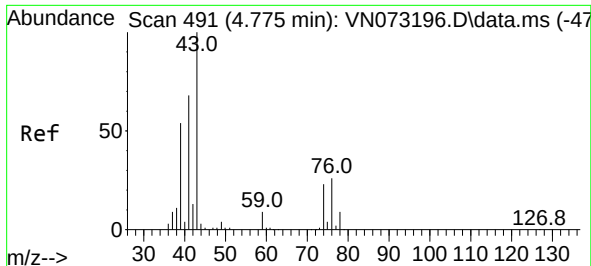
Tgt Ion: 59 Resp: 1378
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 23.755 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

Tgt Ion: 43 Resp: 46095
Ion Ratio Lower Upper
43 100
58 30.1 26.0 39.0

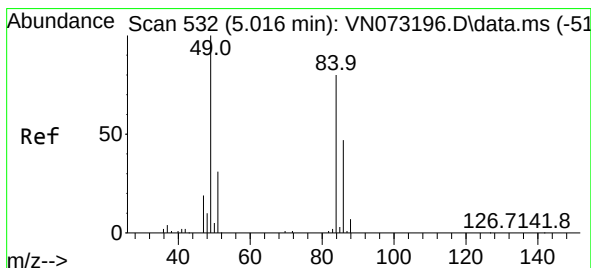
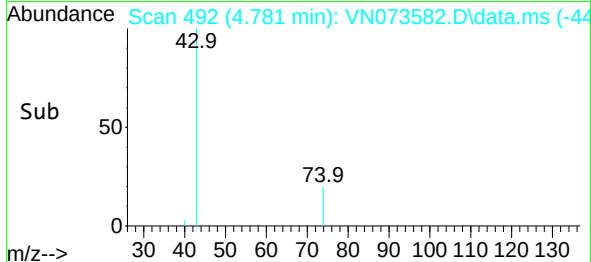
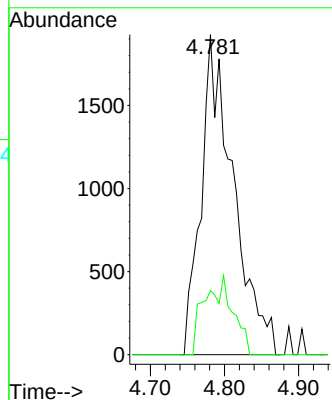
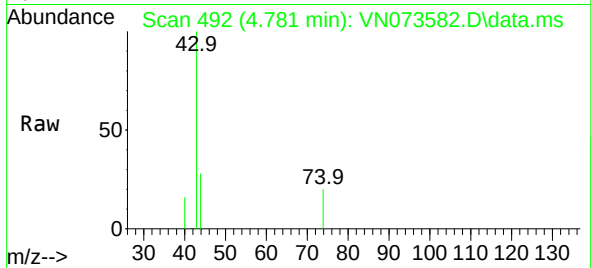




#18
Methyl Acetate
Concen: 1.069 ug/l
RT: 4.781 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

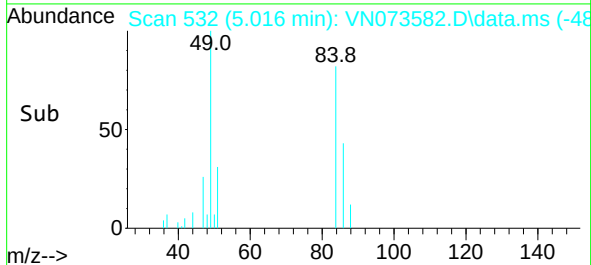
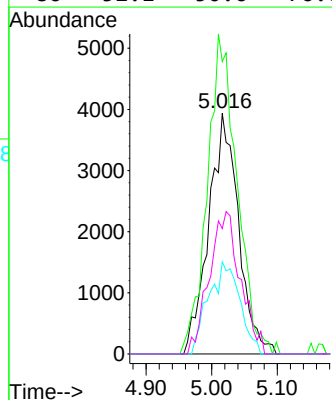
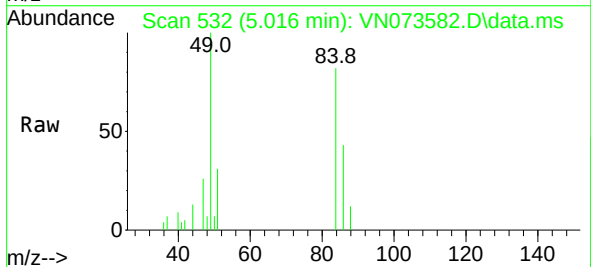
Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#02

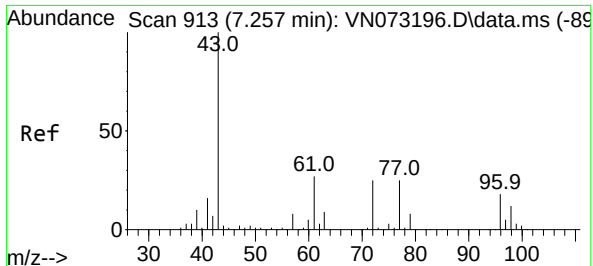
Tgt Ion: 43 Resp: 5811
Ion Ratio Lower Upper
43 100
74 12.1 21.6 32.4#



#20
Methylene Chloride
Concen: 3.642 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.000 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

Tgt Ion: 84 Resp: 12421
Ion Ratio Lower Upper
84 100
49 121.6 88.3 132.5
51 38.3 28.2 42.2
86 52.1 50.6 76.0

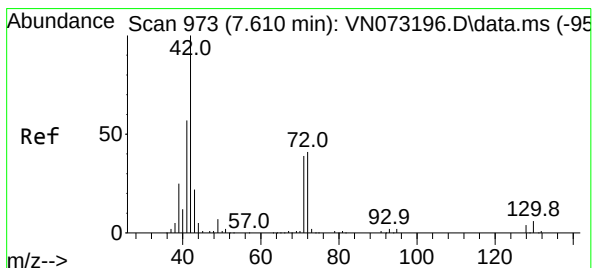
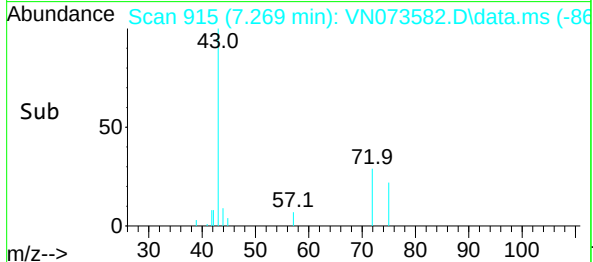
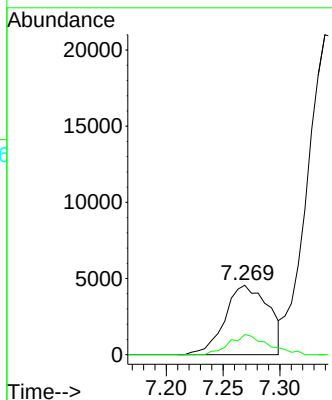
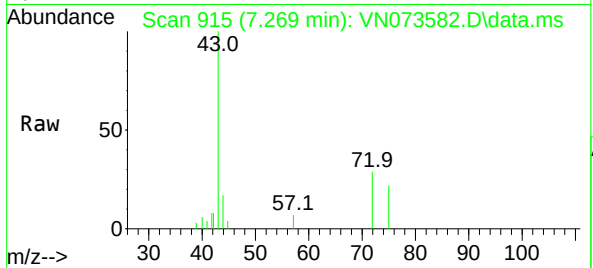




#25
2-Butanone
Concen: 3.957 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

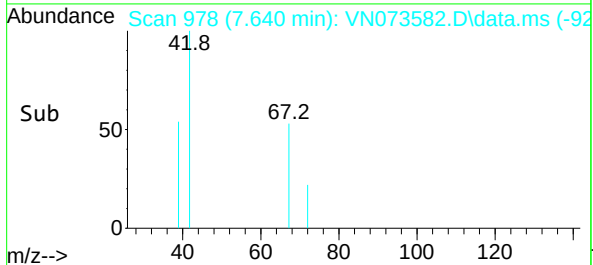
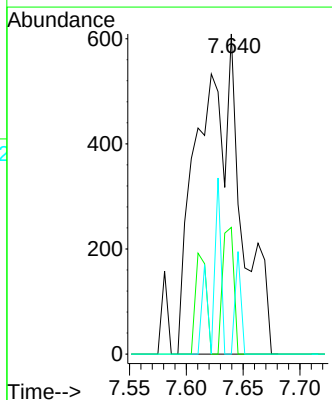
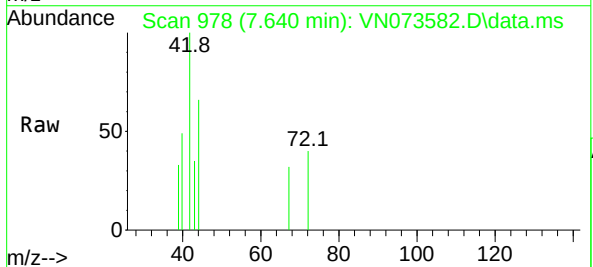
Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#02

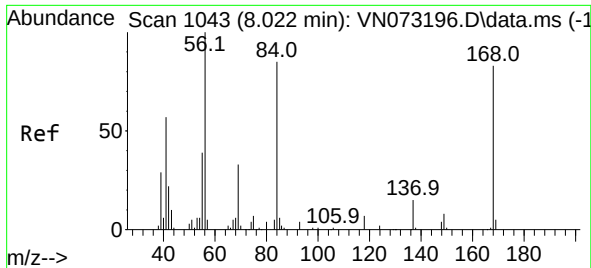
Tgt Ion: 43 Resp: 12224
Ion Ratio Lower Upper
43 100
72 29.0 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.738 ug/l
RT: 7.640 min Scan# 978
Delta R.T. 0.030 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

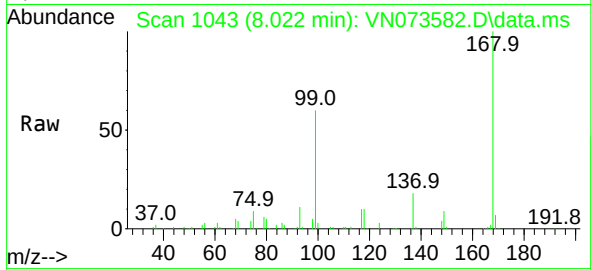
Tgt Ion: 42 Resp: 1561
Ion Ratio Lower Upper
42 100
72 10.6 39.7 59.5#
71 4.4 36.6 55.0#



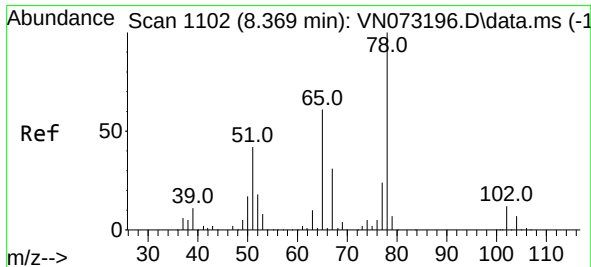
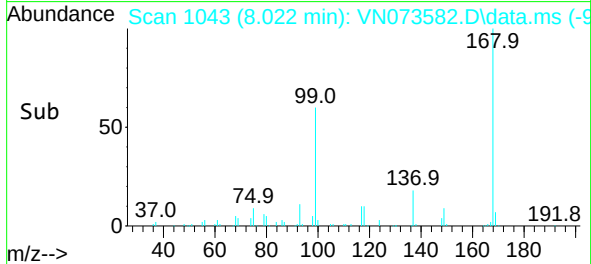
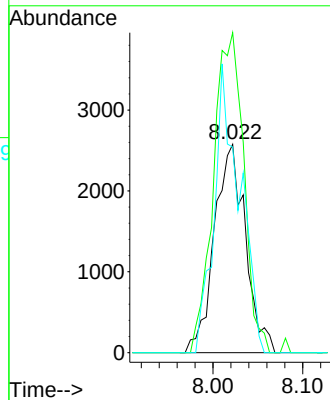


#31
Cyclohexane
Concen: 1.092 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#02

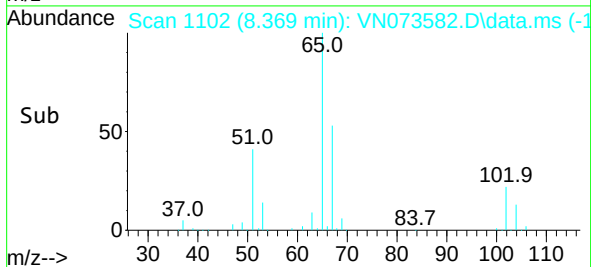
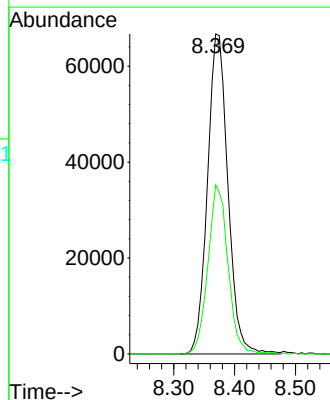
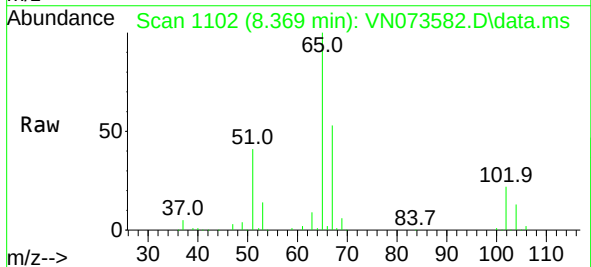


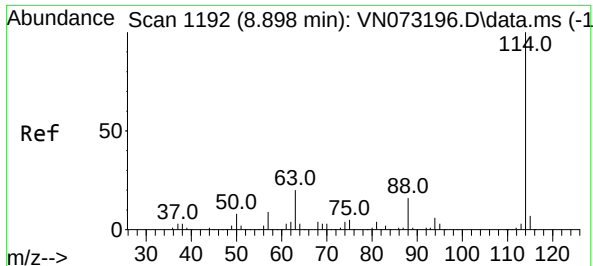
Tgt Ion: 56 Resp: 6182
Ion Ratio Lower Upper
56 100
69 153.6 27.8 41.8#
84 98.7 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 44.987 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

Tgt Ion: 65 Resp: 155518
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073582.D

Acq: 25 Jul 2022 16:22

Instrument :

MSVOA_N

ClientSampleId :

PB146364ZHE#02

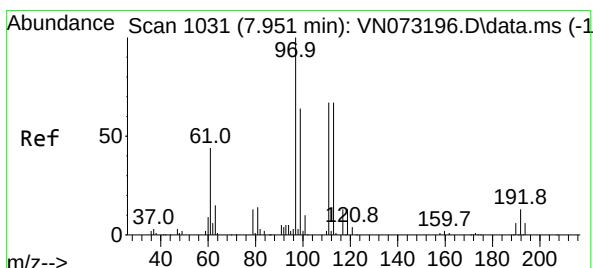
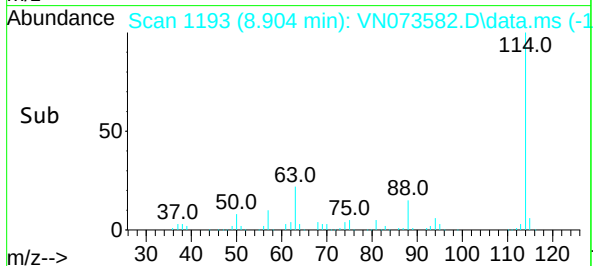
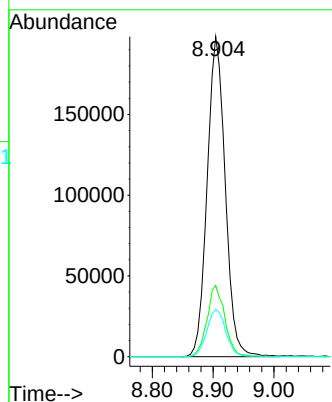
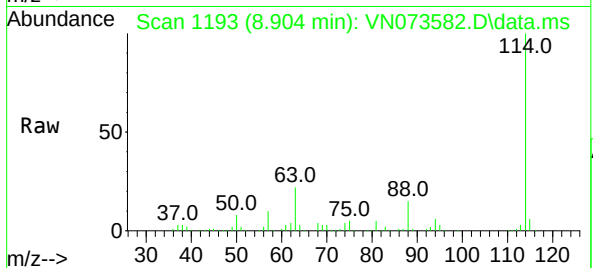
Tgt Ion:114 Resp: 408724

Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.0

88 14.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.736 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073582.D

Acq: 25 Jul 2022 16:22

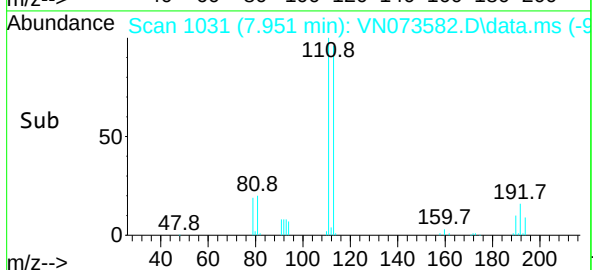
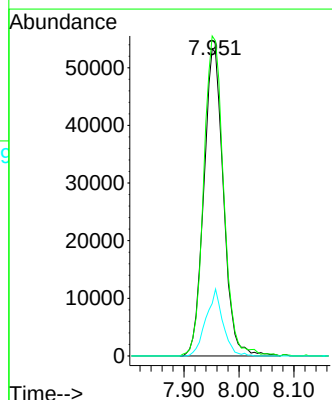
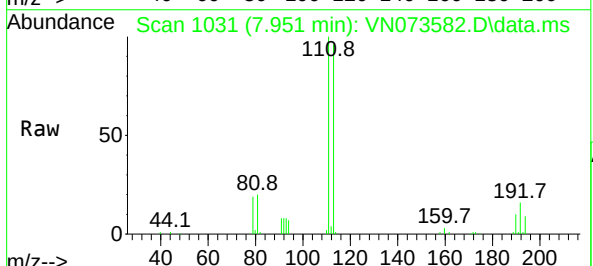
Tgt Ion:113 Resp: 132528

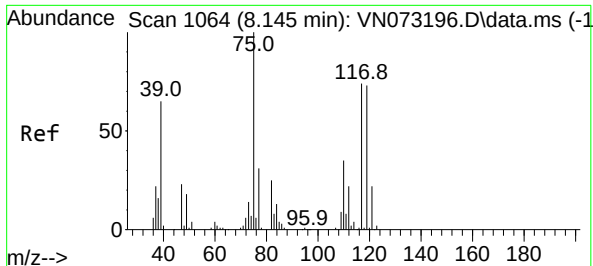
Ion Ratio Lower Upper

113 100

111 105.4 81.4 122.0

192 18.8 17.0 25.6

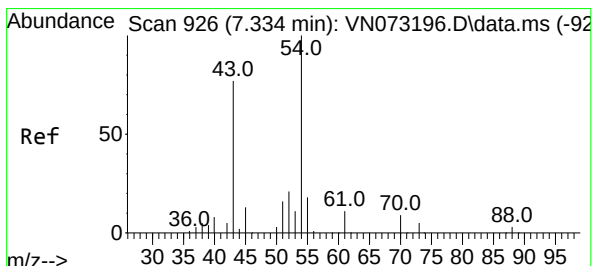
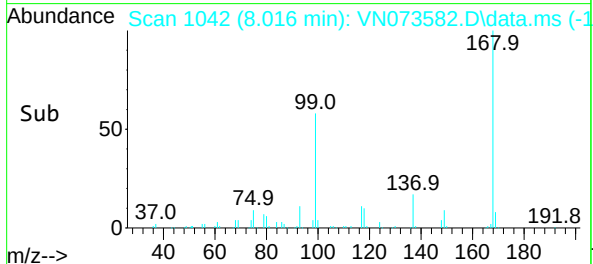
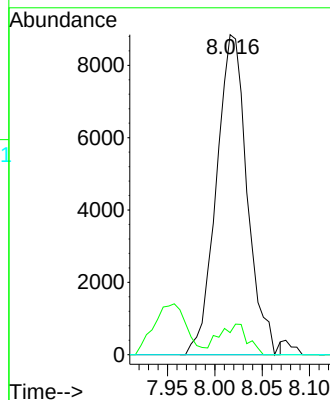
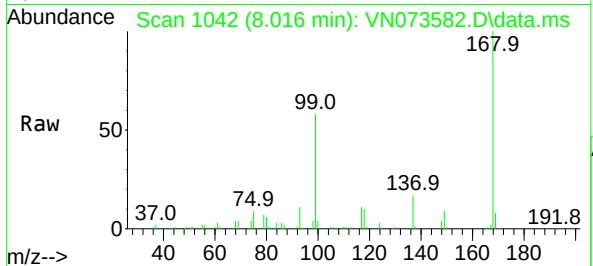




#36
1,1-Dichloropropene
Concen: 4.797 ug/l
RT: 8.016 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

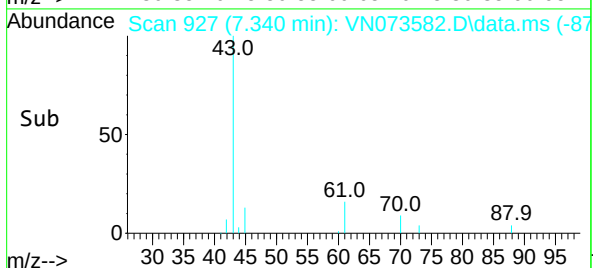
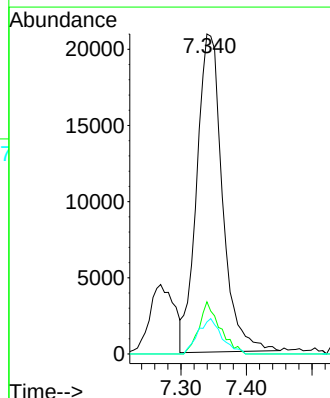
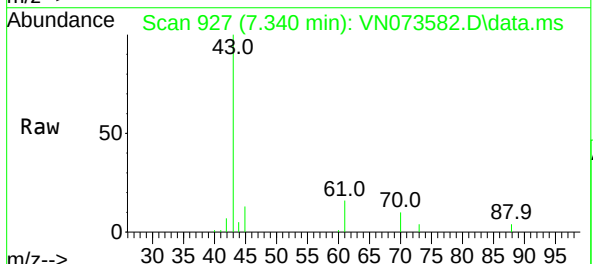
Instrument :
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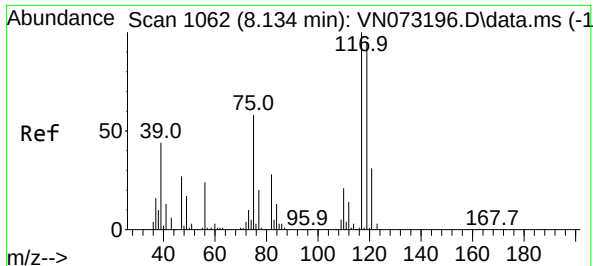
Tgt Ion: 75 Resp: 20072
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 9.010 ug/l
RT: 7.340 min Scan# 927
Delta R.T. 0.006 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

Tgt Ion: 43 Resp: 56965
Ion Ratio Lower Upper
43 100
61 13.4 11.8 17.6
70 10.3 9.3 13.9

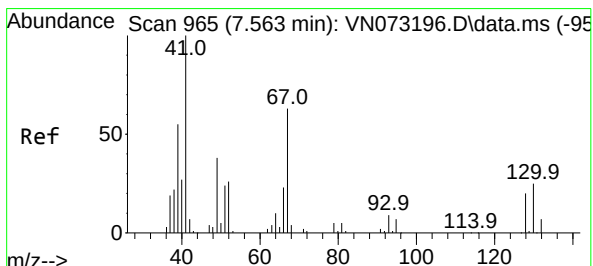
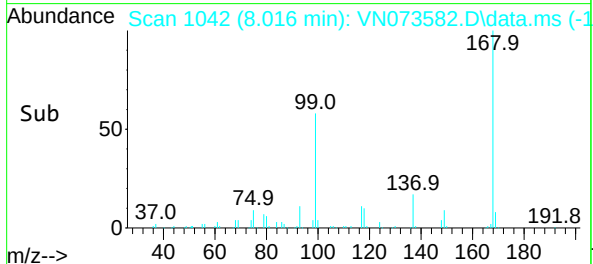
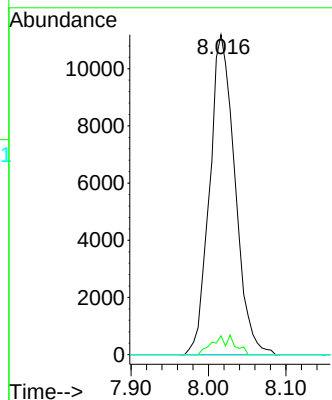
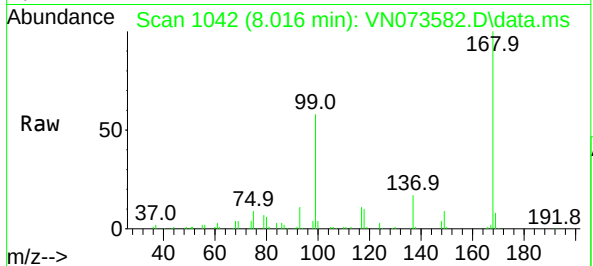




#38
Carbon Tetrachloride
Concen: 5.868 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

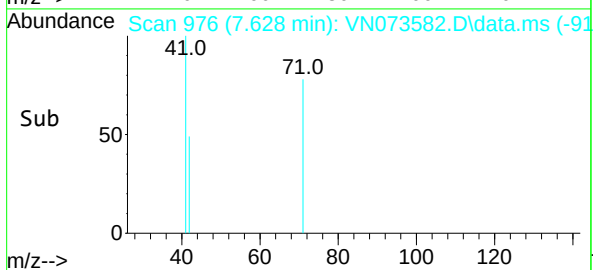
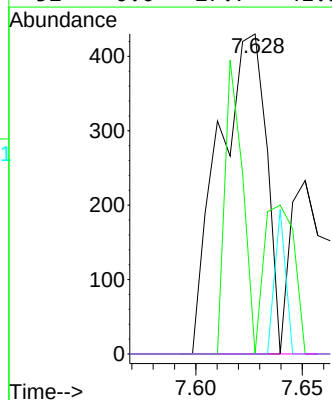
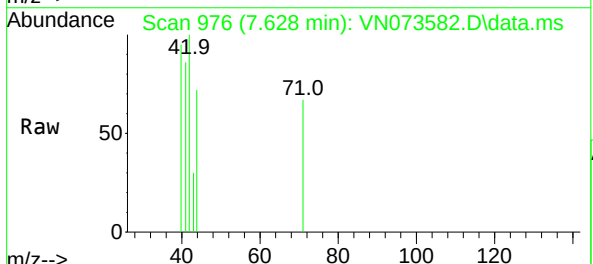
Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#02

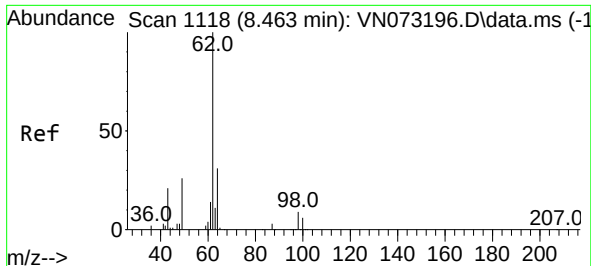
Tgt Ion:117 Resp: 25392
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.218 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.065 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

Tgt Ion: 41 Resp: 667
Ion Ratio Lower Upper
41 100
39 33.7 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.280 ug/l

RT: 8.504 min Scan# 1118

Delta R.T. 0.041 min

Lab File: VN073582.D

Acq: 25 Jul 2022 16:22

Instrument :

MSVOA_N

ClientSampleId :

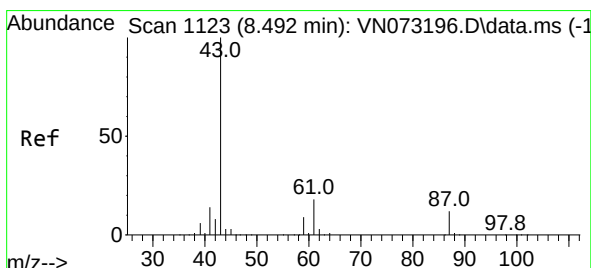
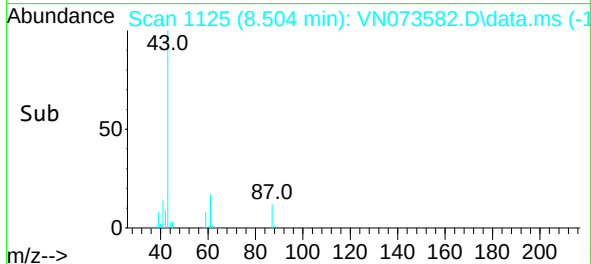
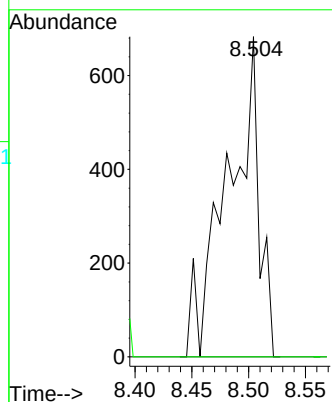
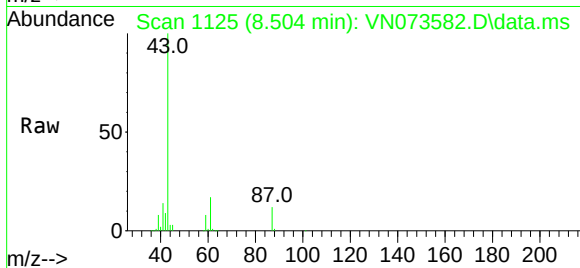
PB146364ZHE#02

Tgt Ion: 62 Resp: 1310

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 25.206 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073582.D

Acq: 25 Jul 2022 16:22

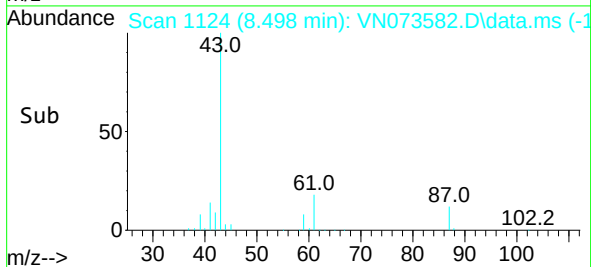
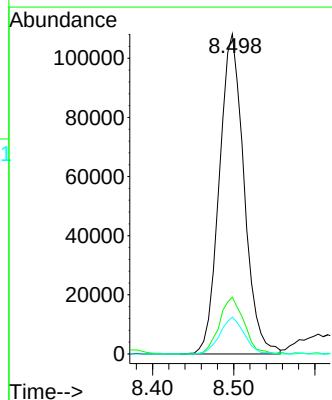
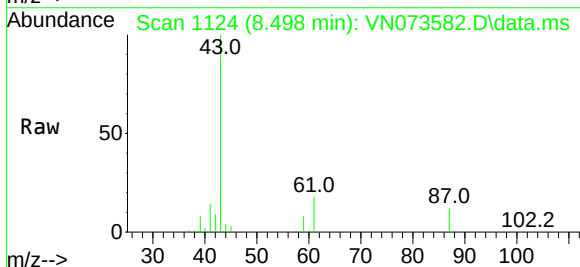
Tgt Ion: 43 Resp: 229024

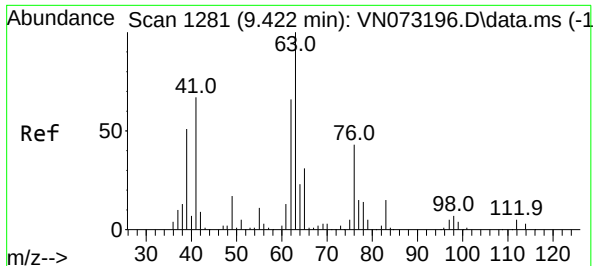
Ion Ratio Lower Upper

43 100

61 17.8 21.9 32.9#

87 11.3 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.826 ug/l

RT: 9.569 min Scan# 11

Delta R.T. 0.147 min

Lab File: VN073582.D

Acq: 25 Jul 2022 16:22

Instrument :

MSVOA_N

ClientSampleId :

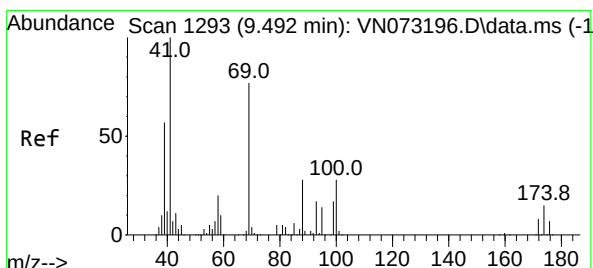
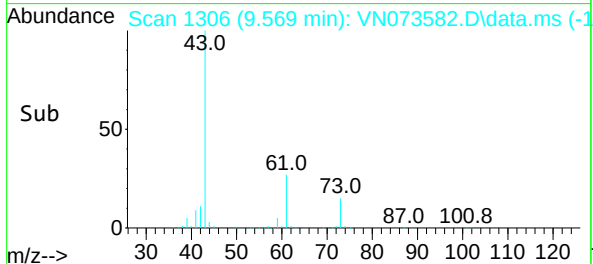
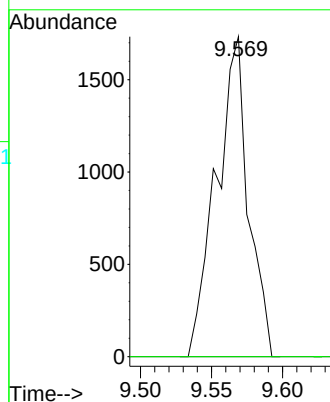
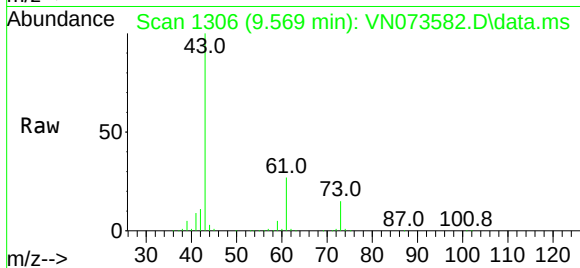
PB146364ZHE#02

Tgt Ion: 63 Resp: 2718

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.979 ug/l

RT: 9.487 min Scan# 1292

Delta R.T. -0.005 min

Lab File: VN073582.D

Acq: 25 Jul 2022 16:22

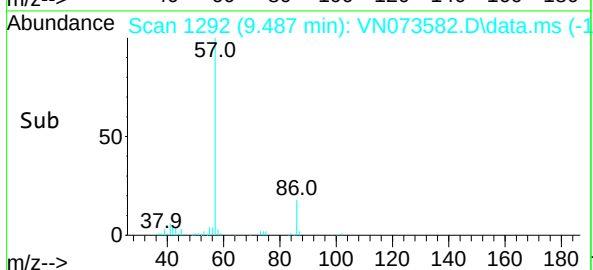
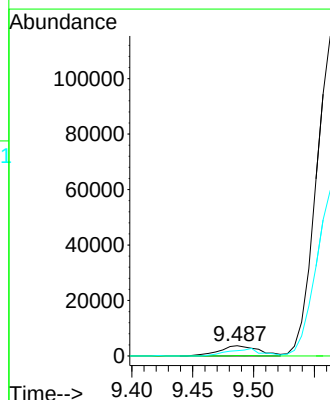
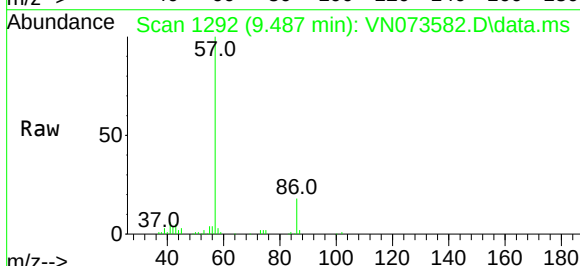
Tgt Ion: 41 Resp: 8326

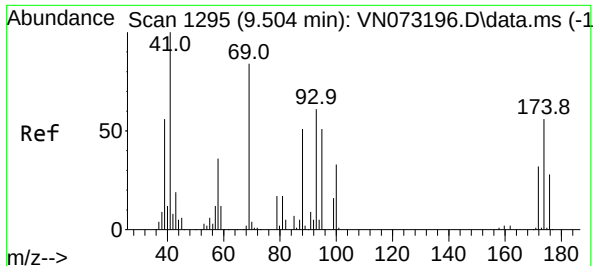
Ion Ratio Lower Upper

41 100

69 1.5 74.7 112.1#

39 58.9 45.6 68.4

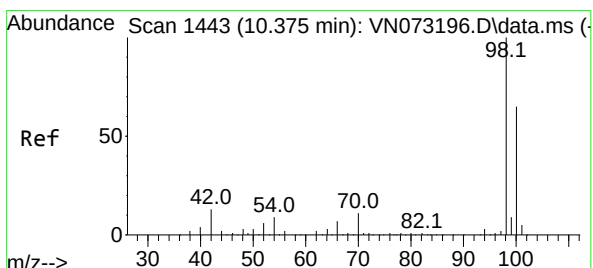
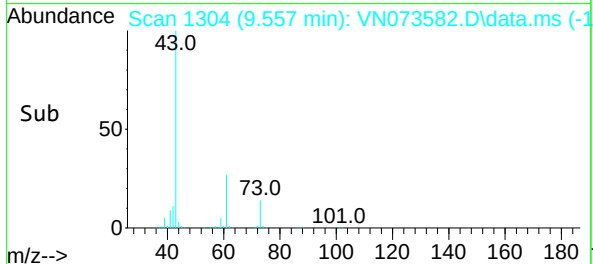
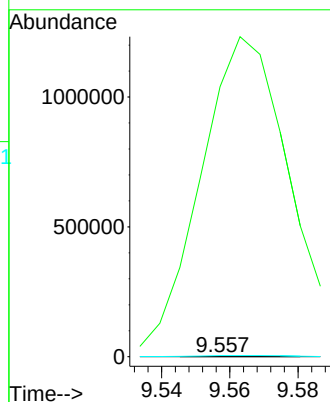
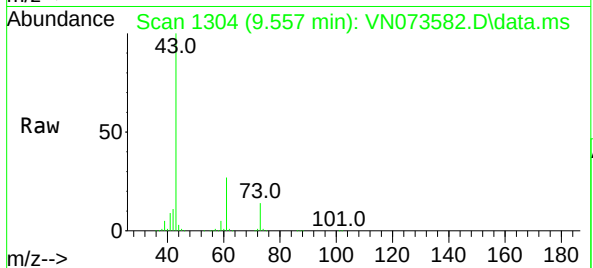




#49
1,4-Dioxane
Concen: 2.479 ug/l
RT: 9.557 min Scan# 111
Delta R.T. 0.053 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

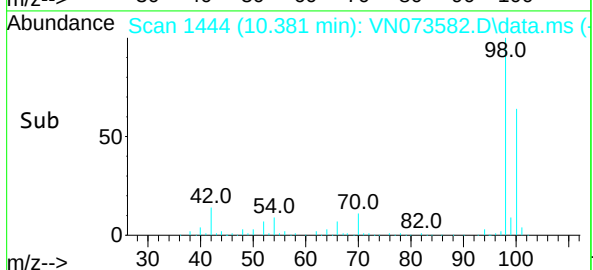
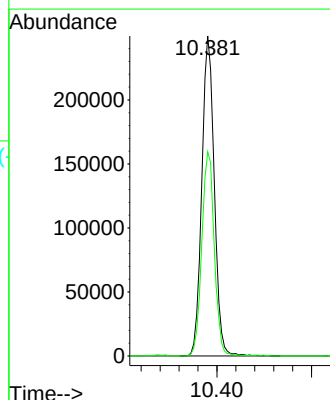
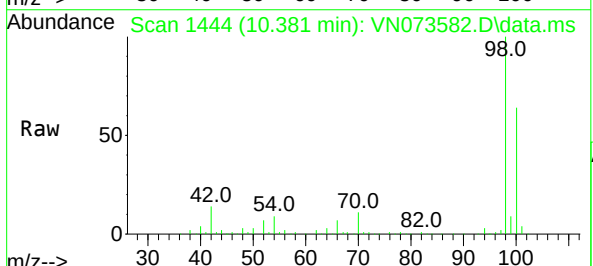
Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#02

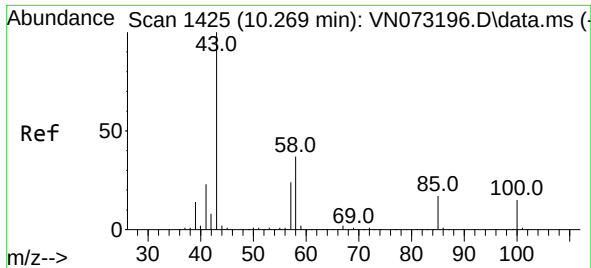
Tgt Ion: 88 Resp: 198
Ion Ratio Lower Upper
88 100
43 1172250.0 20.2 30.4#
58 4788.4 54.2 81.4#



#50
Toluene-d8
Concen: 47.204 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

Tgt Ion: 98 Resp: 455898
Ion Ratio Lower Upper
98 100
100 64.0 52.6 78.8

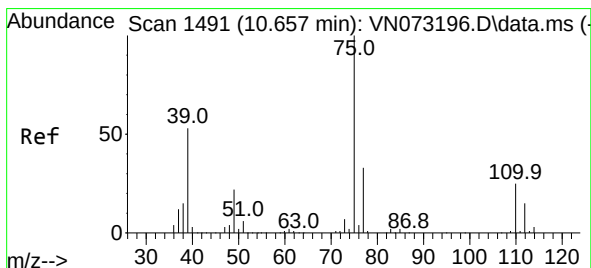
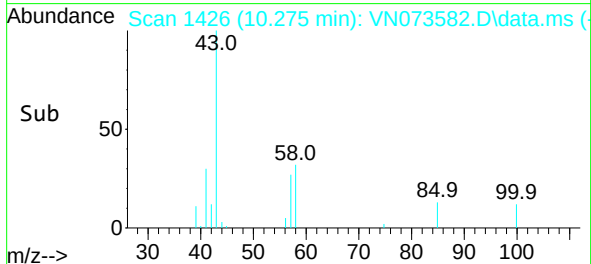
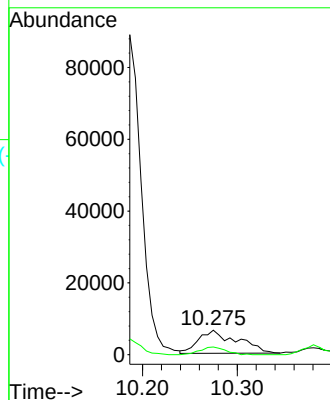
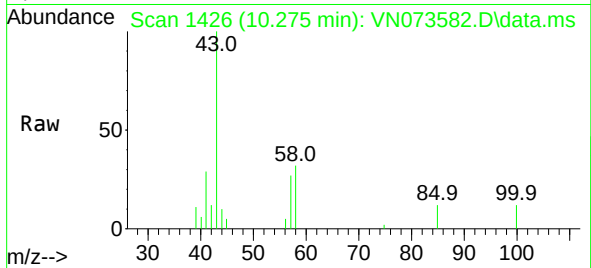




#51
4-Methyl-2-Pentanone
Concen: 3.160 ug/l
RT: 10.275 min Scan# 1425
Delta R.T. 0.006 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

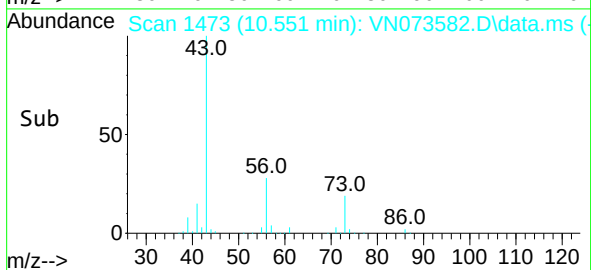
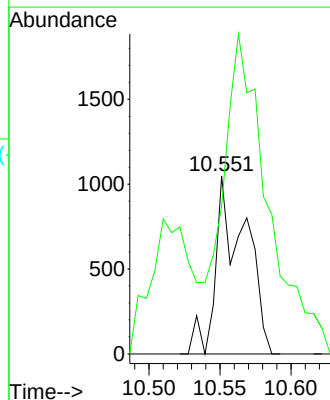
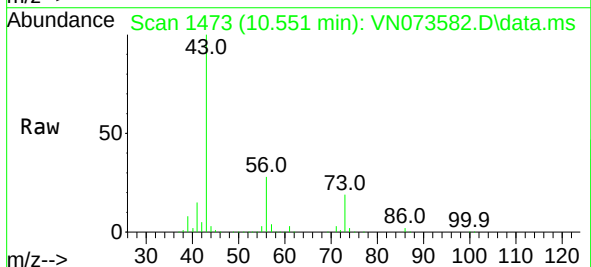
Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#02

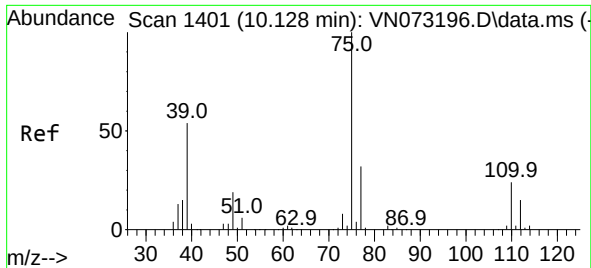
Tgt Ion: 43 Resp: 18209
Ion Ratio Lower Upper
43 100
58 22.2 34.1 51.1#



#53
t-1,3-Dichloropropene
Concen: 0.323 ug/l
RT: 10.551 min Scan# 1473
Delta R.T. -0.106 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

Tgt Ion: 75 Resp: 1537
Ion Ratio Lower Upper
75 100
77 39.4 25.6 38.4#

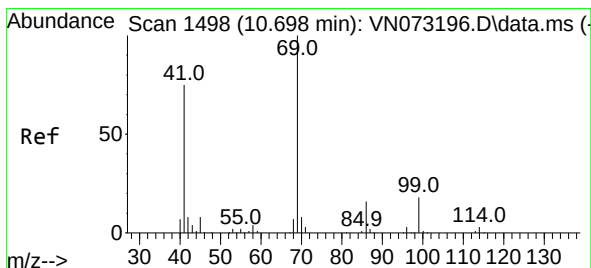
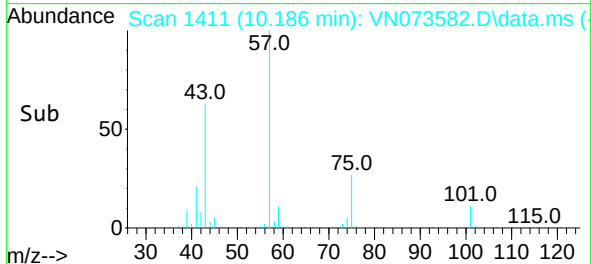
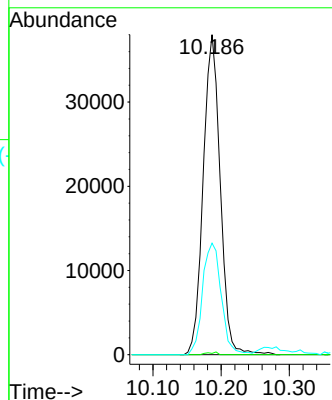
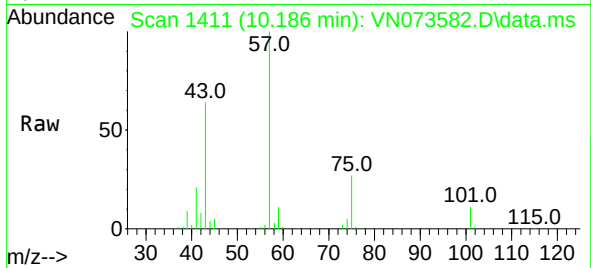




#54
 cis-1,3-Dichloropropene
 Concen: 12.824 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.058 min
 Lab File: VN073582.D
 Acq: 25 Jul 2022 16:22

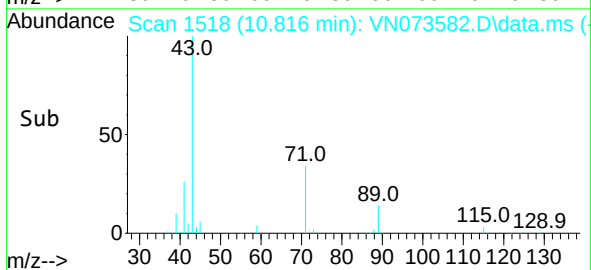
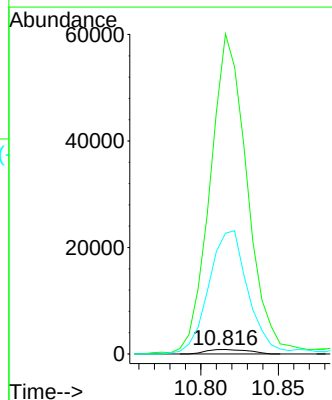
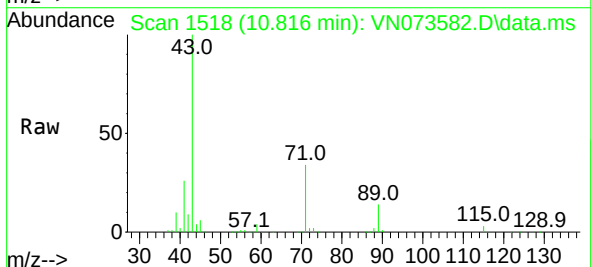
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146364ZHE#02

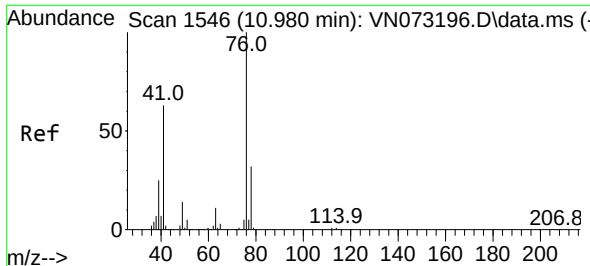
Tgt Ion: 75 Resp: 65966
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.2 37.8#
 39 34.9 35.7 53.5#



#56
 Ethyl methacrylate
 Concen: 0.305 ug/l
 RT: 10.816 min Scan# 1518
 Delta R.T. 0.118 min
 Lab File: VN073582.D
 Acq: 25 Jul 2022 16:22

Tgt Ion: 69 Resp: 1622
 Ion Ratio Lower Upper
 69 100
 41 6197.1 47.8 71.6#
 39 2565.3 27.3 40.9#





#57

1,3-Dichloropropane

Concen: 1.676 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.053 min

Lab File: VN073582.D

Acq: 25 Jul 2022 16:22

Instrument :

MSVOA_N

ClientSampleId :

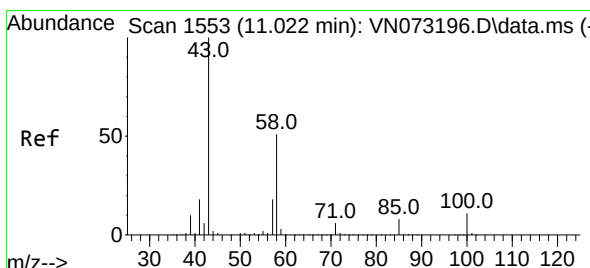
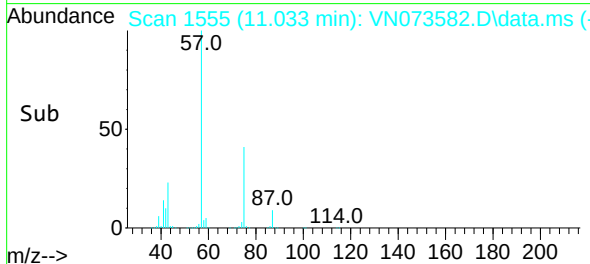
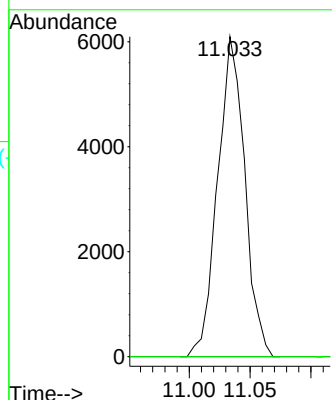
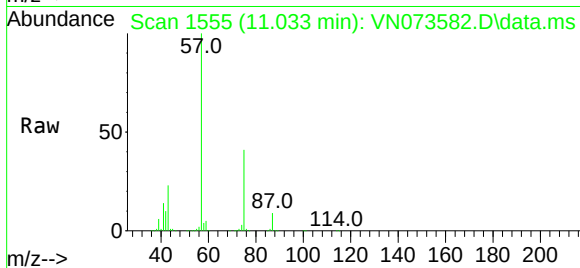
PB146364ZHE#02

Tgt Ion: 76 Resp: 9438

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 33.962 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.011 min

Lab File: VN073582.D

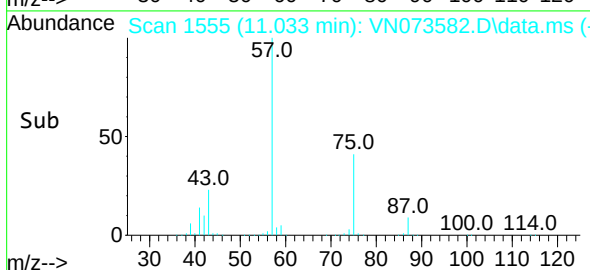
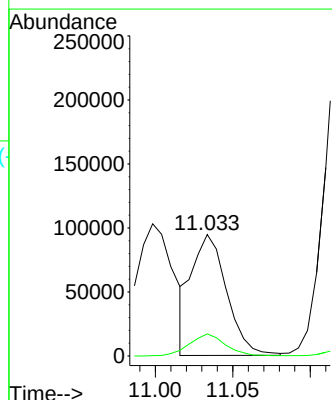
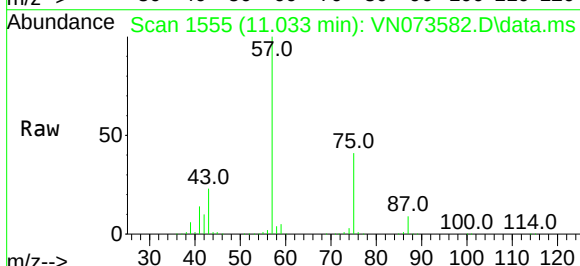
Acq: 25 Jul 2022 16:22

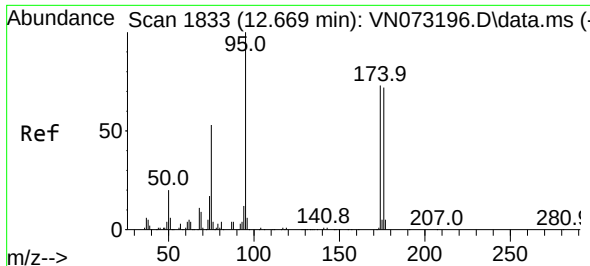
Tgt Ion: 43 Resp: 149168

Ion Ratio Lower Upper

43 100

58 18.7 29.7 89.1#

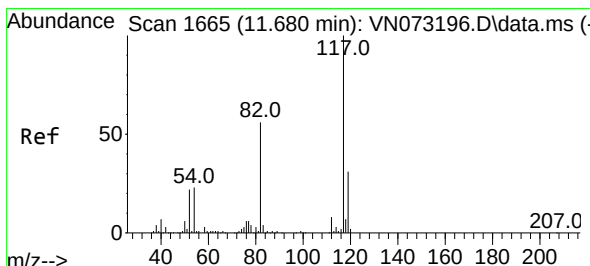
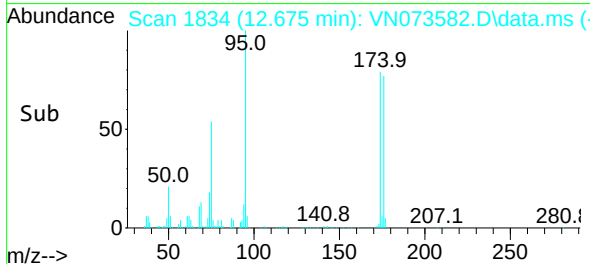
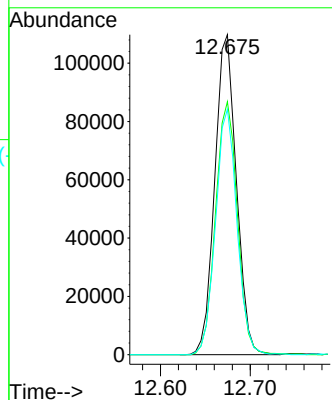
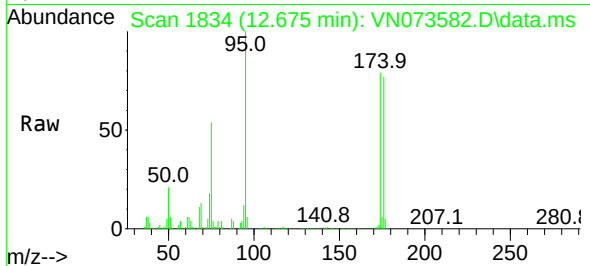




#62
4-Bromofluorobenzene
Concen: 49.417 ug/l
RT: 12.675 min Scan# 1833
Delta R.T. 0.006 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

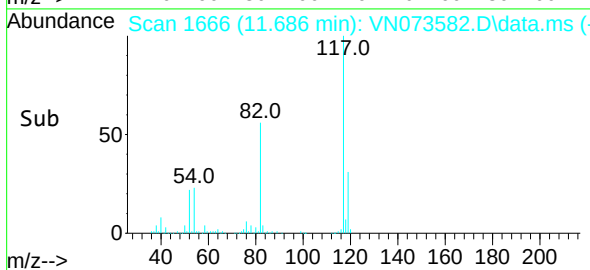
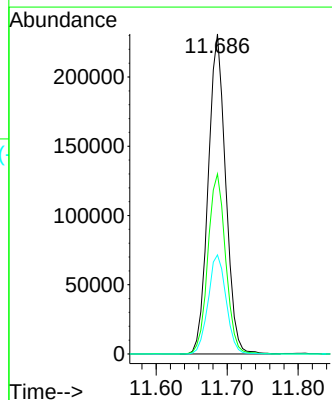
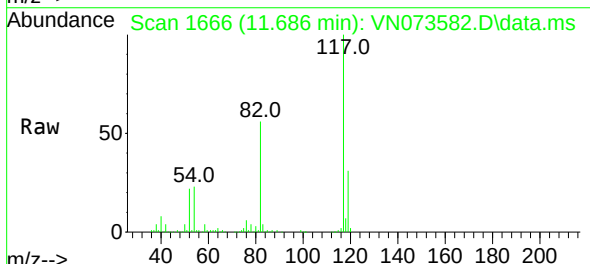
Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#02

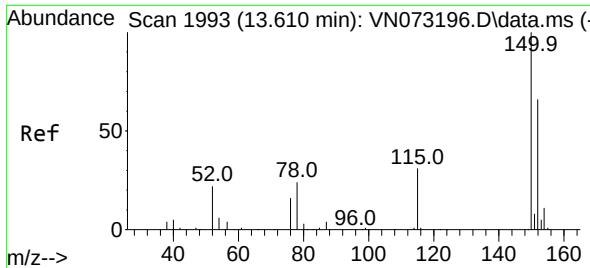
Tgt Ion: 95 Resp: 183413
Ion Ratio Lower Upper
95 100
174 80.2 0.0 167.6
176 76.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

Tgt Ion: 117 Resp: 394753
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.2
119 31.0 25.4 38.0

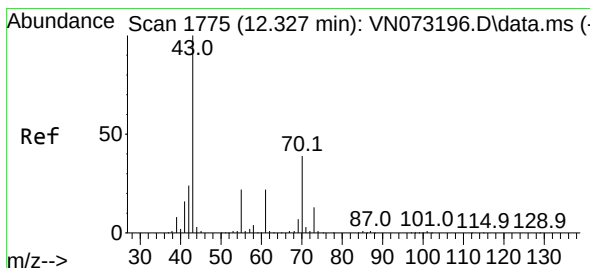
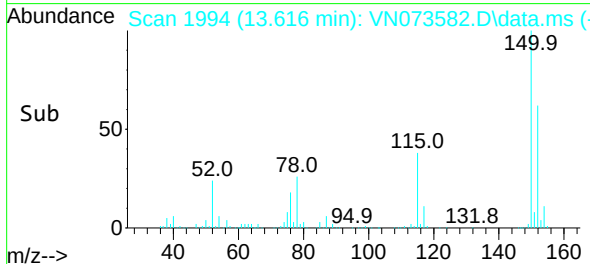
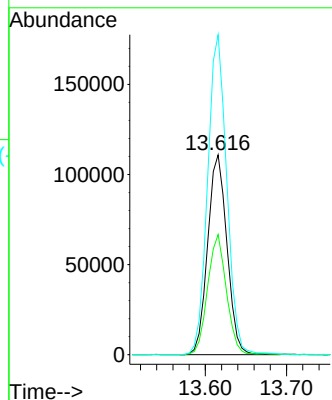
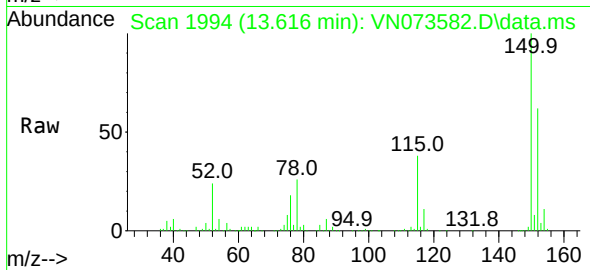




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1993
 Delta R.T. 0.006 min
 Lab File: VN073582.D
 Acq: 25 Jul 2022 16:22

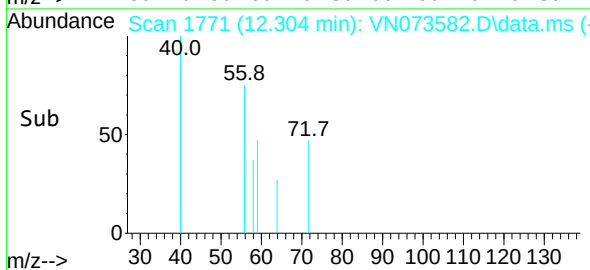
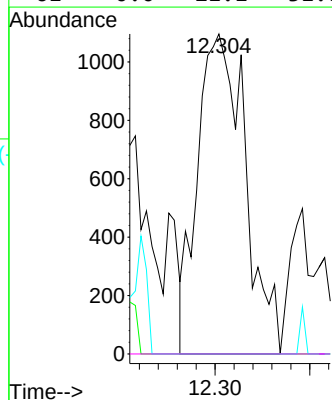
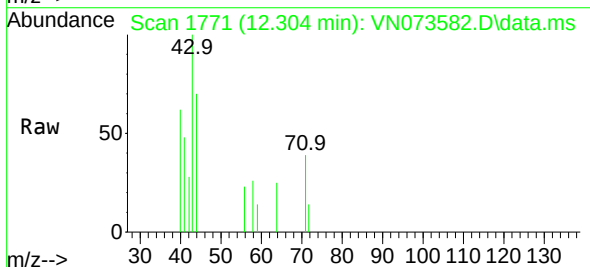
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146364ZHE#02

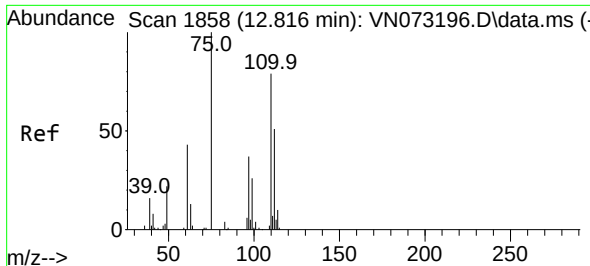
Tgt Ion:152 Resp: 183430
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.9 86.7
 150 158.5 0.0 356.2



#74
 N-ethyl acetate
 Concen: 0.483 ug/l
 RT: 12.304 min Scan# 1771
 Delta R.T. -0.023 min
 Lab File: VN073582.D
 Acq: 25 Jul 2022 16:22

Tgt Ion: 43 Resp: 3834
 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#

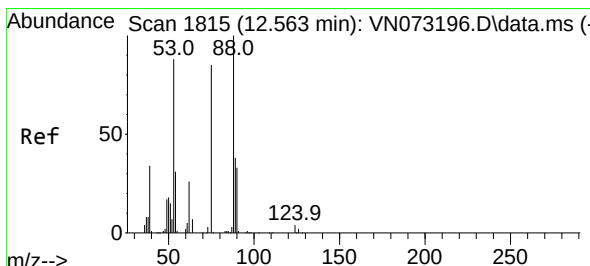
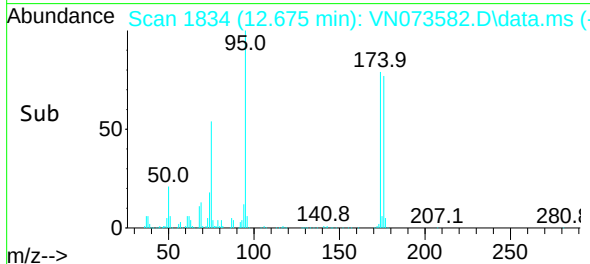
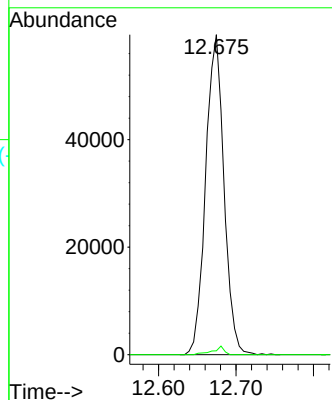
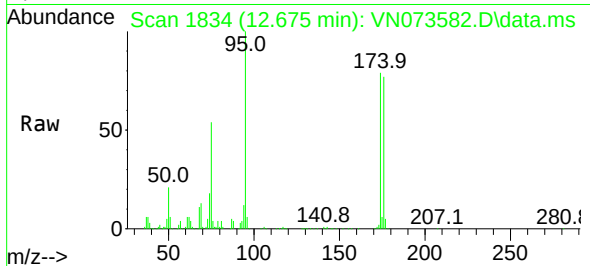




#76
1,2,3-Trichloropropane
Concen: 20.341 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.141 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#02

Tgt Ion: 75 Resp: 97561
Ion Ratio Lower Upper
75 100
77 1.6 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.784 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN073582.D
Acq: 25 Jul 2022 16:22

Tgt Ion: 75 Resp: 97561
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

