

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
 Data File : VN073854.D
 Acq On : 12 Aug 2022 16:13
 Operator : JC\MD
 Sample : PB146944ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146944ZHE#01

Quant Time: Aug 13 05:03:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

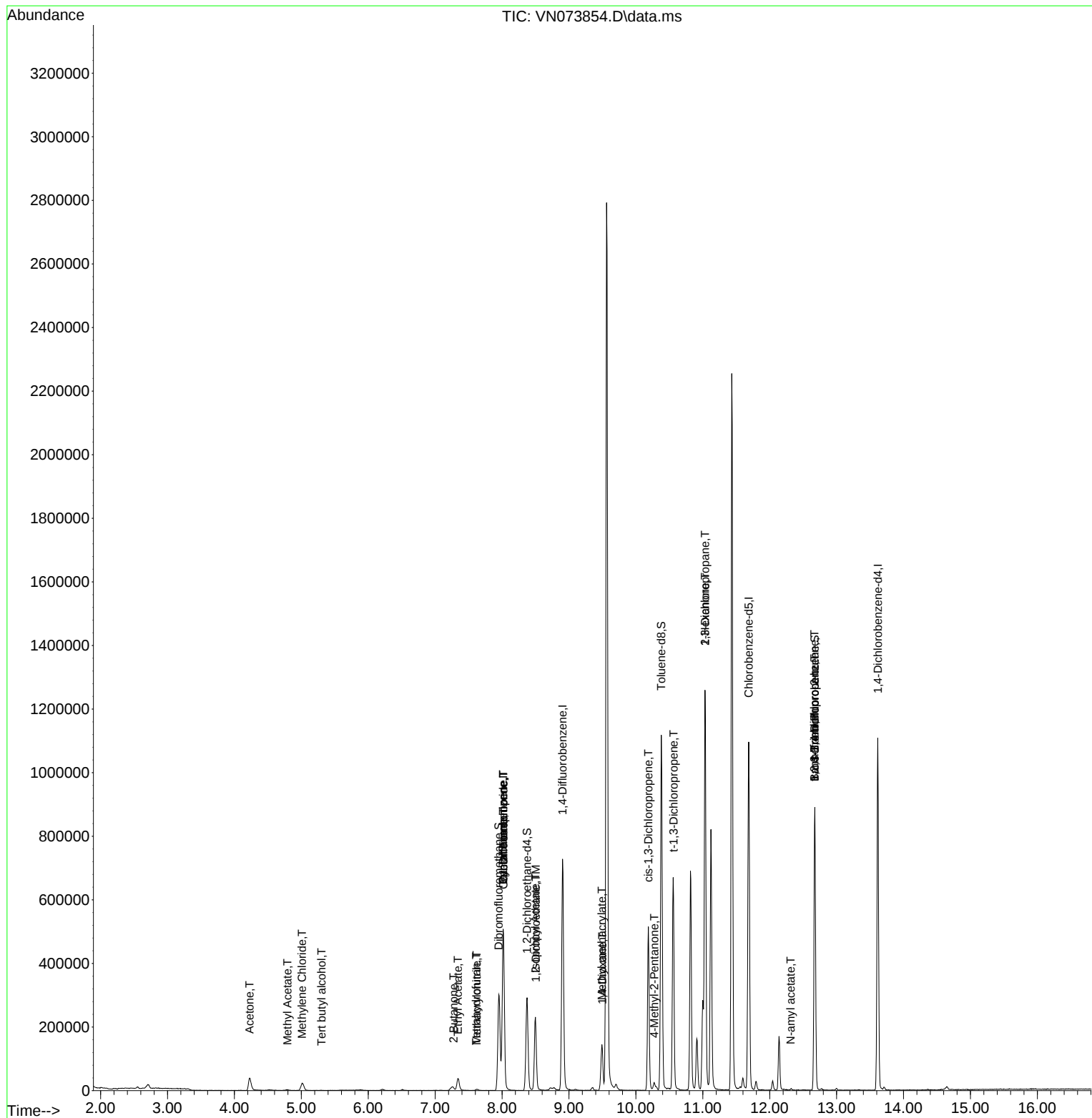
Internal Standards						
1) Pentafluorobenzene	8.016	168	414369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	668467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	671538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	310979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	239832	47.494	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.980%
35) Dibromofluoromethane	7.951	113	226660	53.998	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.000%
50) Toluene-d8	10.380	98	776861	47.032	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.060%
62) 4-Bromofluorobenzene	12.674	95	294463	50.739	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.480%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	732	Below Cal	#	83
6) Chloroethane	2.940	64	1555	Below Cal	#	42
11) Tert butyl alcohol	5.304	59	852	0.782	ug/l #	72
16) Acetone	4.228	43	71234	26.264	ug/l	96
18) Methyl Acetate	4.792	43	4450	0.659	ug/l #	84
20) Methylene Chloride	5.010	84	19328	2.303	ug/l	93
25) 2-Butanone	7.275	43	13114	3.113	ug/l	95
29) Tetrahydrofuran	7.616	42	2552	0.958	ug/l #	79
31) Cyclohexane	8.016	56	8153	1.084	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	29387	4.912	ug/l #	49
37) Ethyl Acetate	7.339	43	61579	7.816	ug/l	98
38) Carbon Tetrachloride	8.022	117	36304	5.975	ug/l #	17
41) Methacrylonitrile	7.622	41	1640	0.460	ug/l #	41
42) 1,2-Dichloroethane	8.504	62	1964	0.300	ug/l #	74
43) Isopropyl Acetate	8.498	43	250819	23.569	ug/l #	92
48) Methyl methacrylate	9.492	41	8870	1.904	ug/l #	40
49) 1,4-Dioxane	9.498	88	141	1.074	ug/l #	1
51) 4-Methyl-2-Pentanone	10.274	43	22943	3.006	ug/l #	76
53) t-1,3-Dichloropropene	10.563	75	1913	0.299	ug/l #	1
54) cis-1,3-Dichloropropene	10.186	75	94663	13.146	ug/l #	66
57) 1,3-Dichloropropane	11.033	76	13891	1.655	ug/l #	42
59) 2-Hexanone	11.033	43	174574	30.188	ug/l #	49
71) Bromoform	12.668	173	1632	0.386	ug/l #	28
74) N-amyl acetate	12.315	43	2676	0.311	ug/l #	39
76) 1,2,3-Trichloropropane	12.668	75	147635	24.255	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	147635	61.523	ug/l #	11

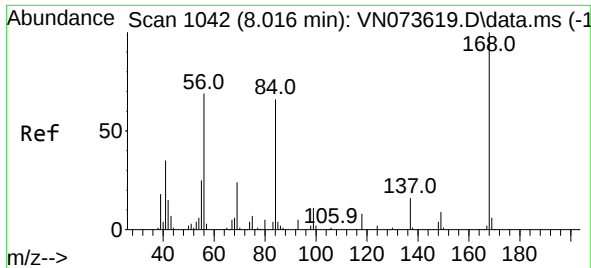
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
Data File : VN073854.D
Acq On : 12 Aug 2022 16:13
Operator : JC\MD
Sample : PB146944ZHE#01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#01

Quant Time: Aug 13 05:03:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 10 05:09:32 2022
Response via : Initial Calibration

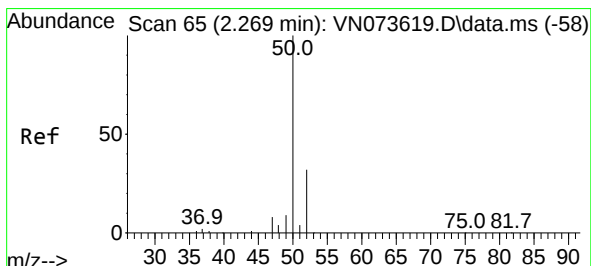
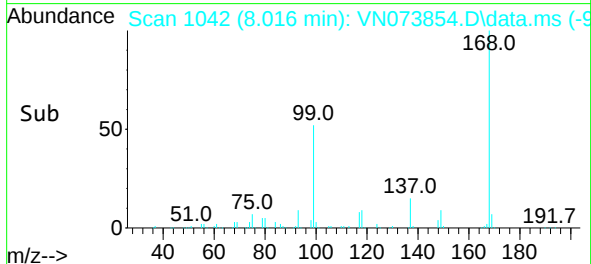
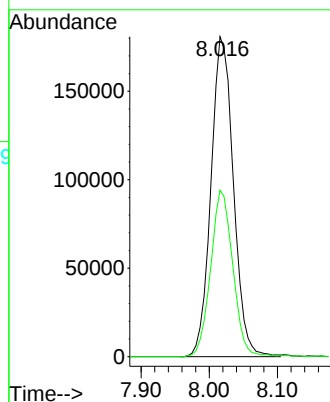
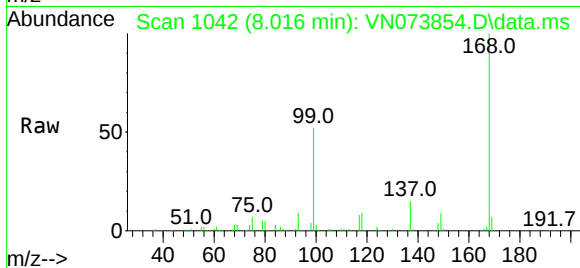




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

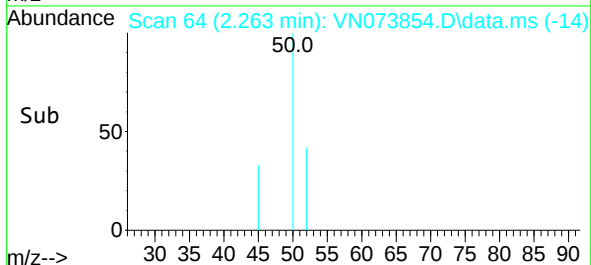
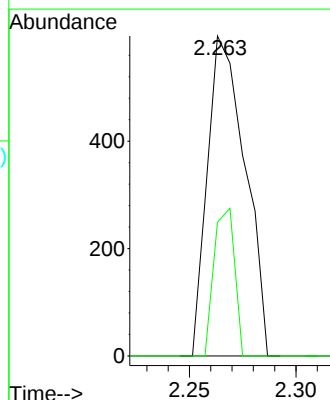
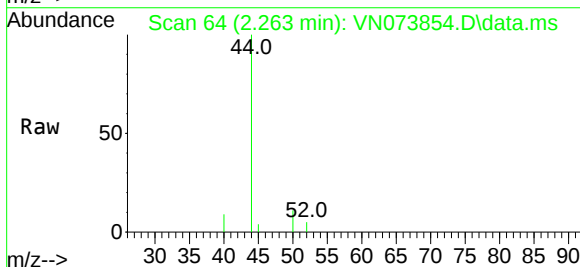
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#01

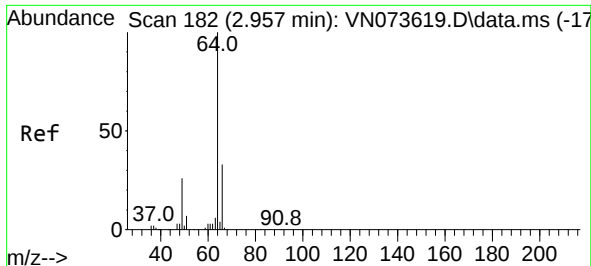
Tgt Ion:168 Resp: 414369
Ion Ratio Lower Upper
168 100
99 52.0 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

Tgt Ion: 50 Resp: 732
Ion Ratio Lower Upper
50 100
52 41.8 25.7 38.5#

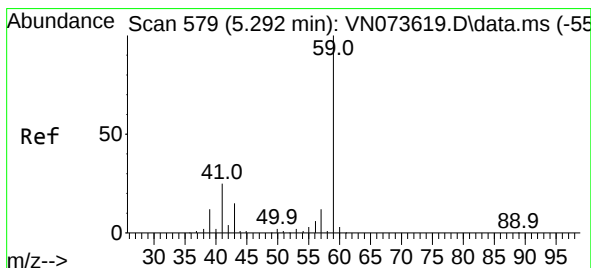
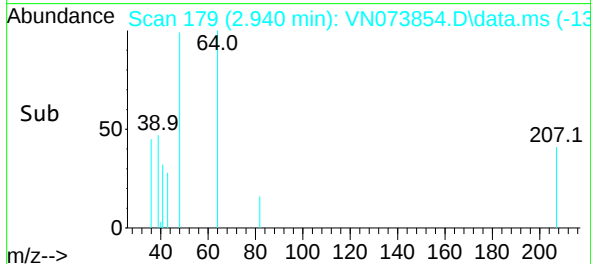
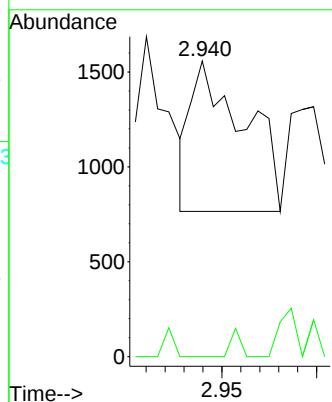
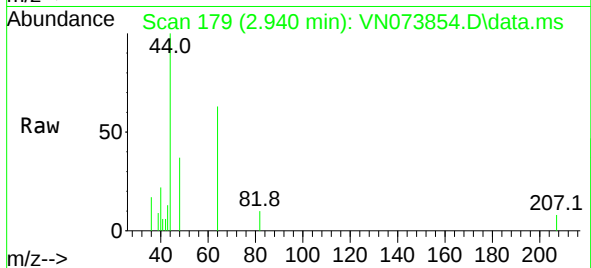




#6
Chloroethane
Concen: Below Cal
RT: 2.940 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

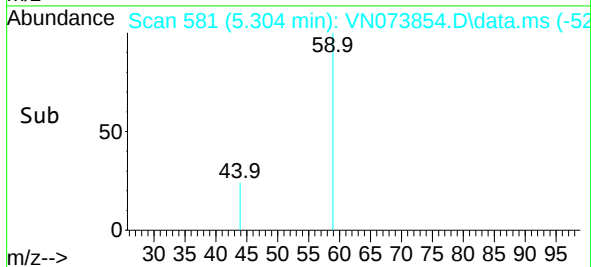
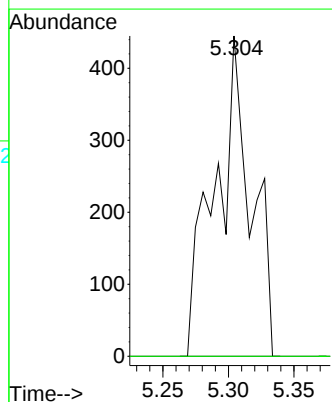
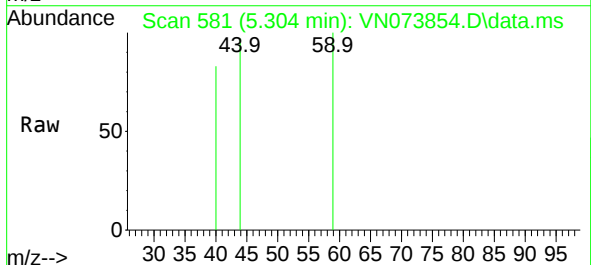
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#01

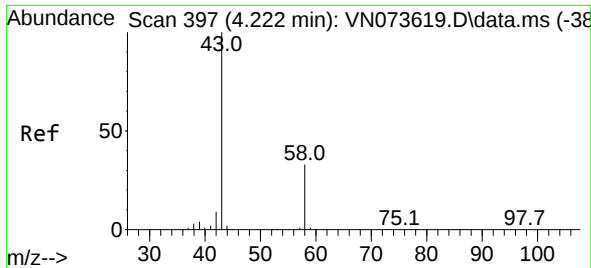
Tgt Ion: 64 Resp: 1555
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.782 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.012 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

Tgt Ion: 59 Resp: 852
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

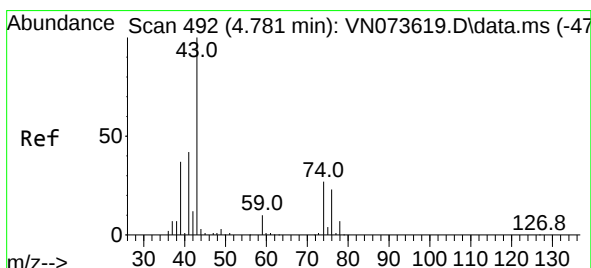
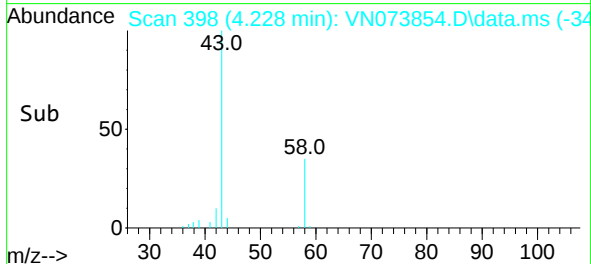
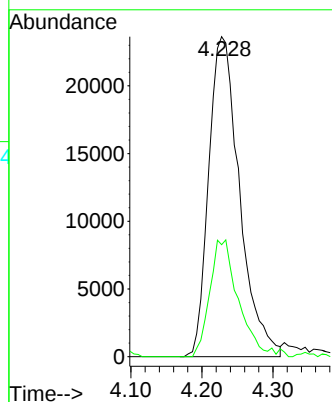
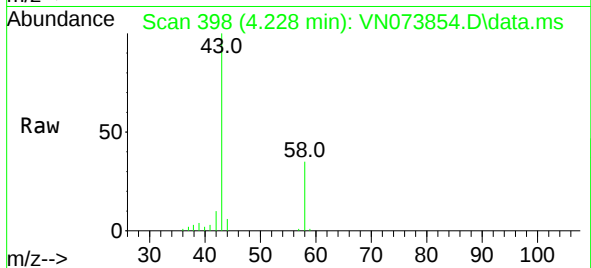




#16
Acetone
Concen: 26.264 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

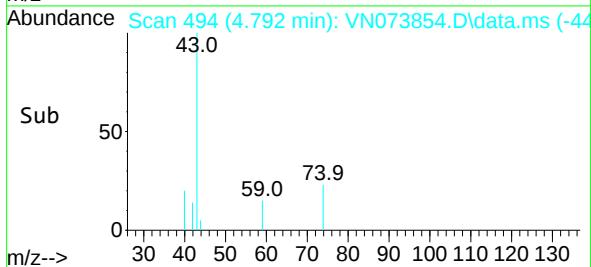
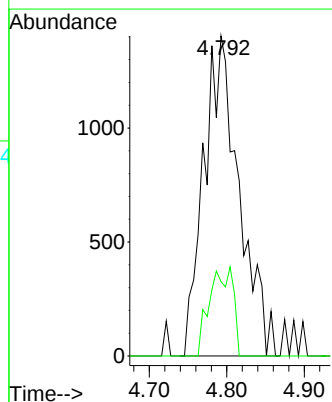
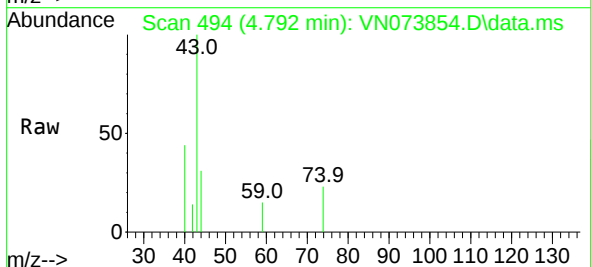
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#01

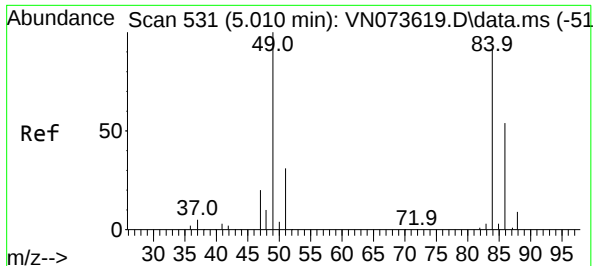
Tgt Ion: 43 Resp: 71234
Ion Ratio Lower Upper
43 100
58 35.0 26.0 39.0



#18
Methyl Acetate
Concen: 0.659 ug/l
RT: 4.792 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

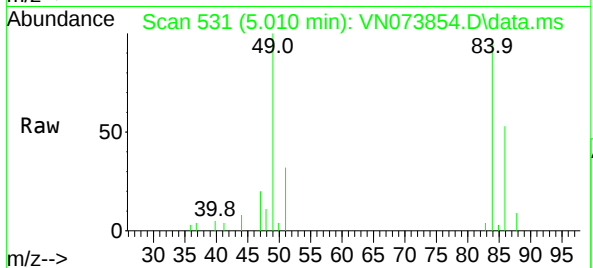
Tgt Ion: 43 Resp: 4450
Ion Ratio Lower Upper
43 100
74 18.5 21.6 32.4#



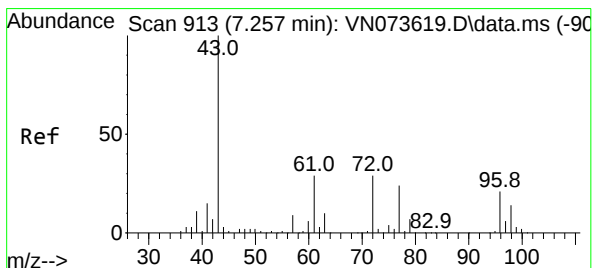
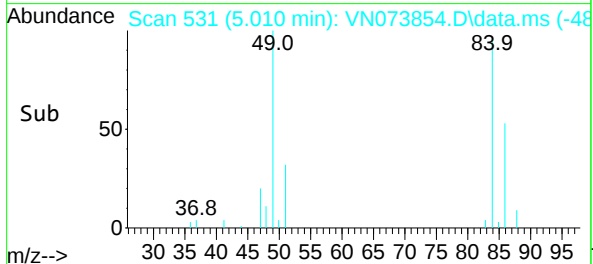
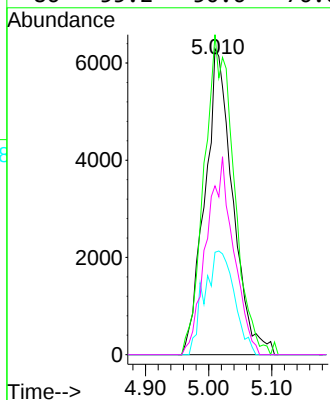


#20
Methylene Chloride
Concen: 2.303 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#01

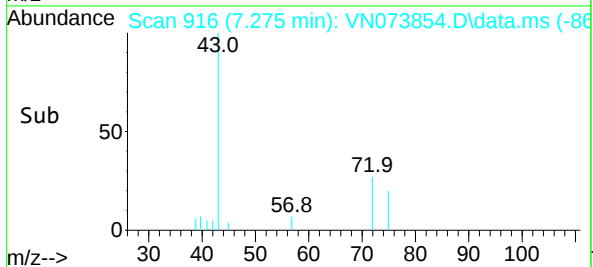
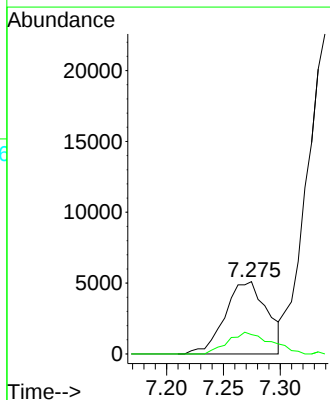
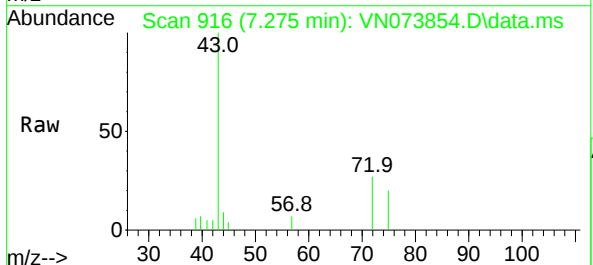


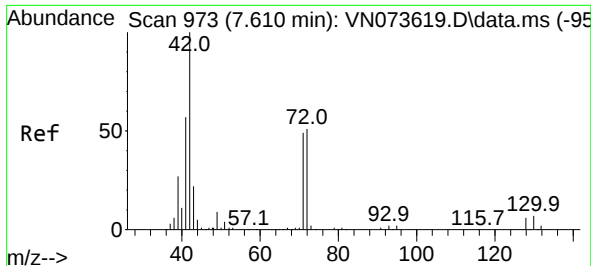
Tgt Ion:	84	Resp:	19328
Ion	Ratio	Lower	Upper
84	100		
49	104.6	88.3	132.5
51	33.5	28.2	42.2
86	55.2	50.6	76.0



#25
2-Butanone
Concen: 3.113 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

Tgt Ion:	43	Resp:	13114
Ion	Ratio	Lower	Upper
43	100		
72	26.7	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.958 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN073854.D

Acq: 12 Aug 2022 16:13

Instrument :

MSVOA_N

ClientSampleId :

PB146944ZHE#01

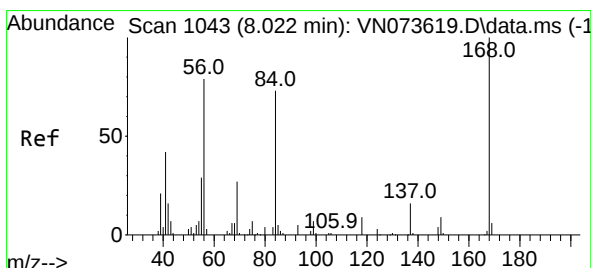
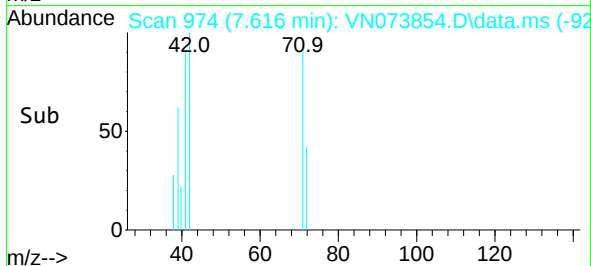
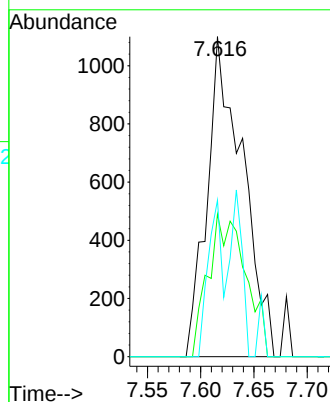
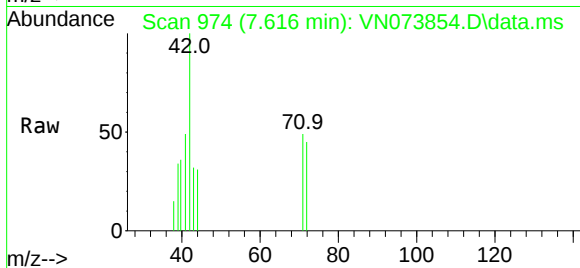
Tgt Ion: 42 Resp: 2552

Ion Ratio Lower Upper

42 100

72 47.0 39.7 59.5

71 19.4 36.6 55.0#



#31

Cyclohexane

Concen: 1.084 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073854.D

Acq: 12 Aug 2022 16:13

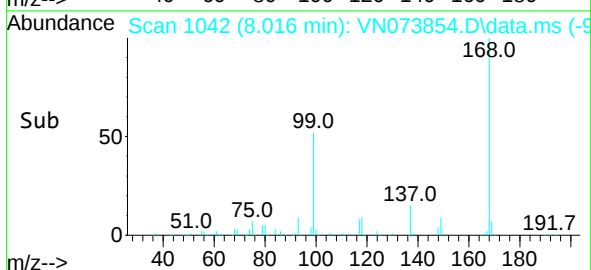
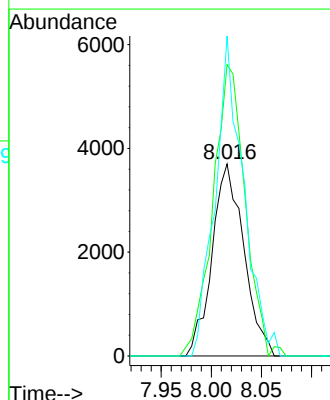
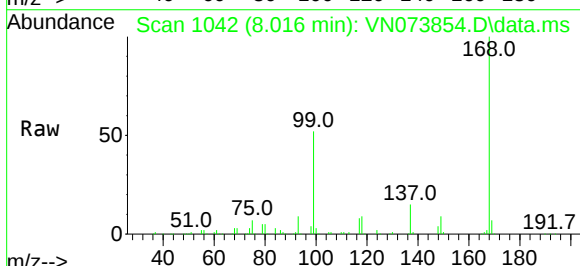
Tgt Ion: 56 Resp: 8153

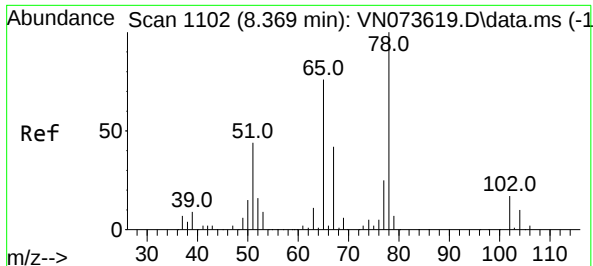
Ion Ratio Lower Upper

56 100

69 151.7 27.8 41.8#

84 166.6 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.494 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073854.D

Acq: 12 Aug 2022 16:13

Instrument :

MSVOA_N

ClientSampleId :

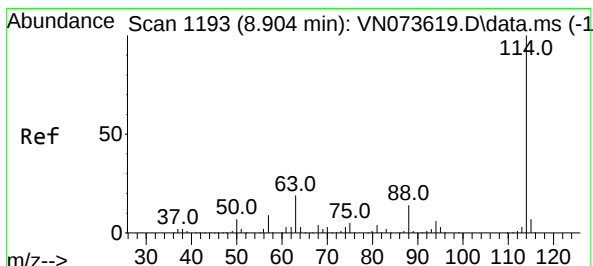
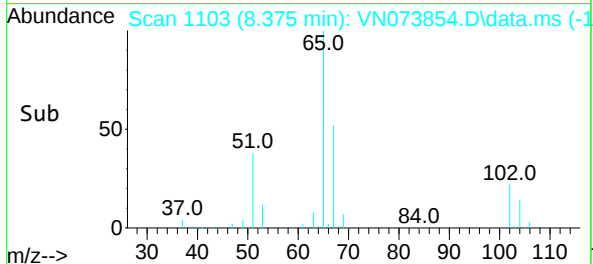
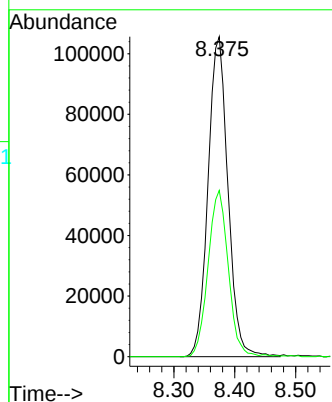
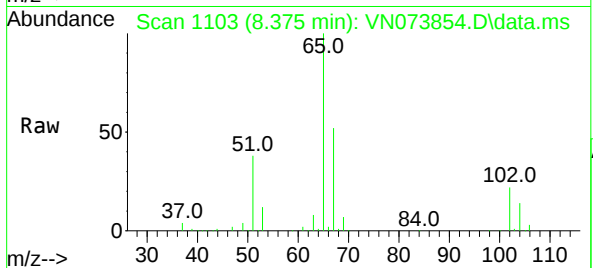
PB146944ZHE#01

Tgt Ion: 65 Resp: 239832

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073854.D

Acq: 12 Aug 2022 16:13

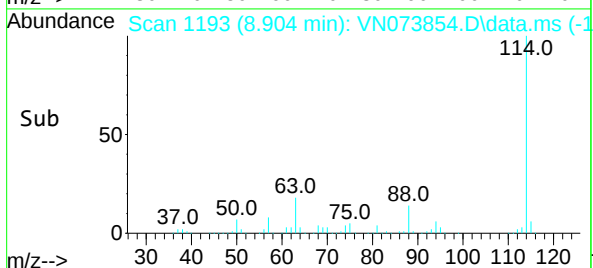
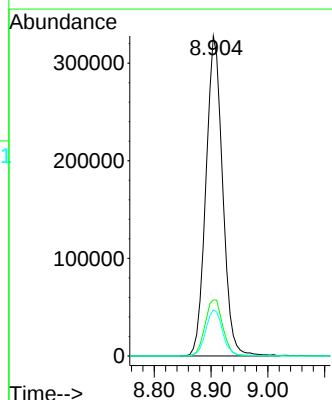
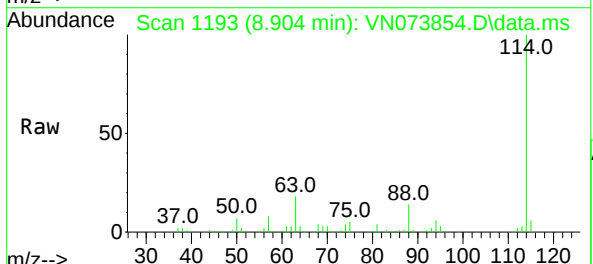
Tgt Ion: 114 Resp: 668467

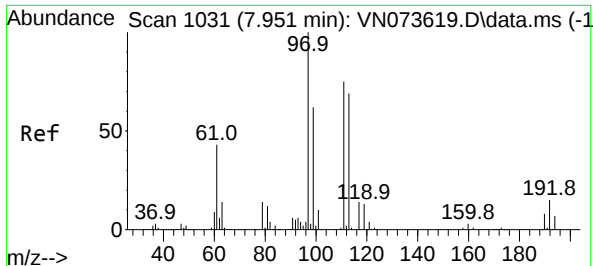
Ion Ratio Lower Upper

114 100

63 17.5 0.0 40.0

88 14.4 0.0 32.6

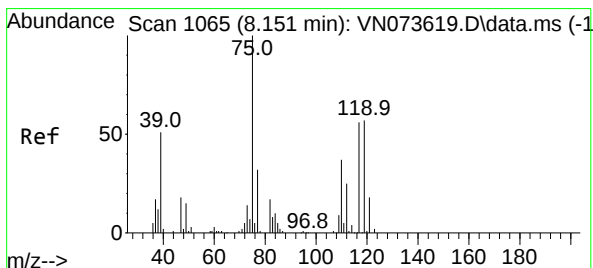
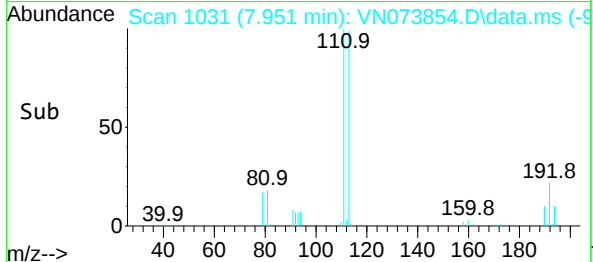
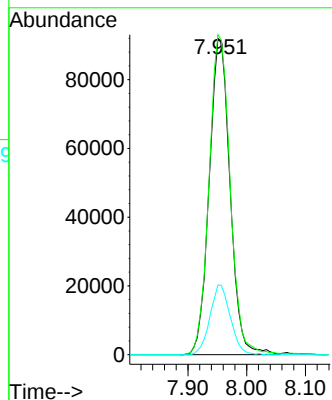
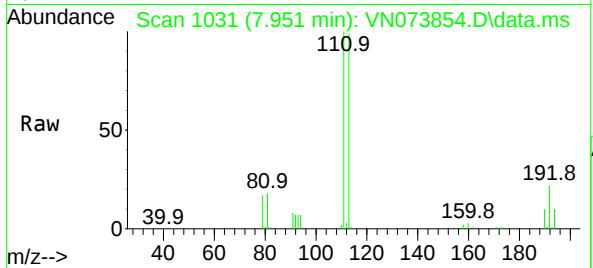




#35
Dibromofluoromethane
Concen: 53.998 ug/l
RT: 7.951 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

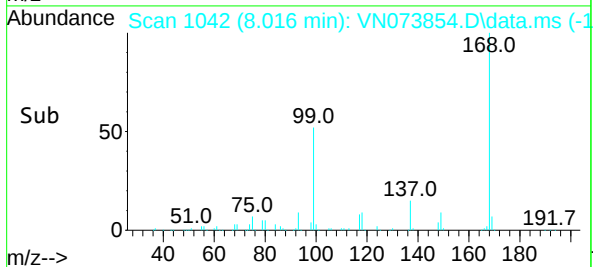
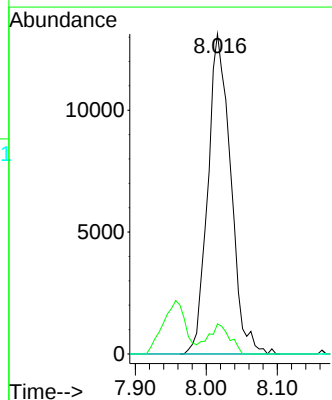
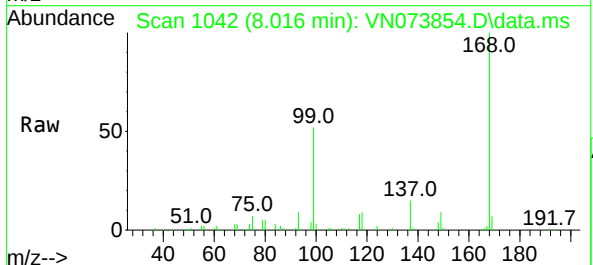
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#01

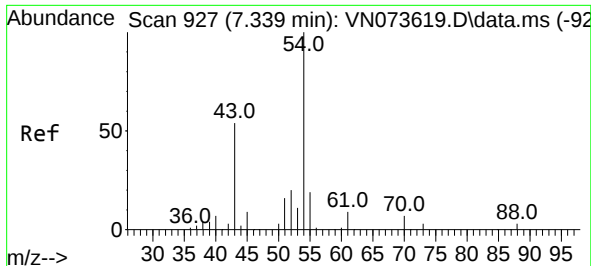
Tgt Ion:113 Resp: 226660
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 21.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.912 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

Tgt Ion: 75 Resp: 29387
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#

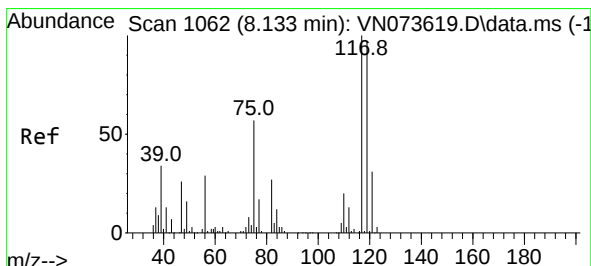
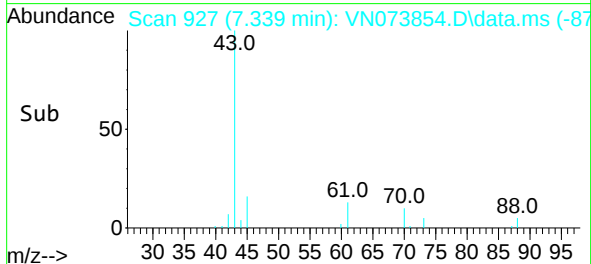
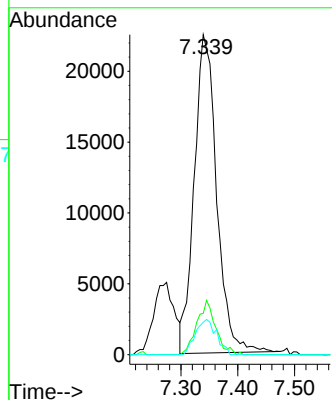
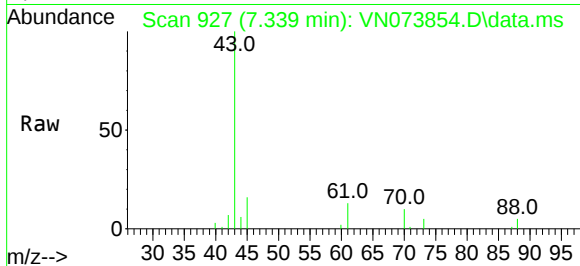




#37
Ethyl Acetate
Concen: 7.816 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

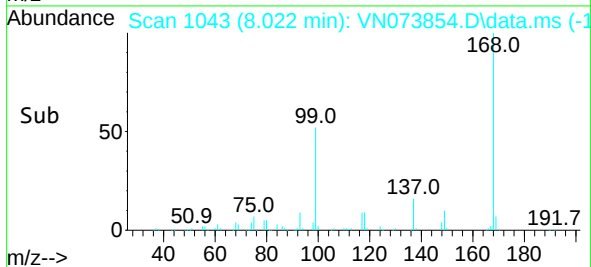
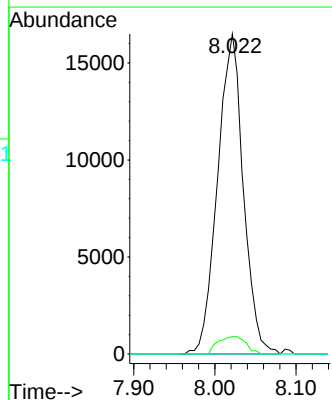
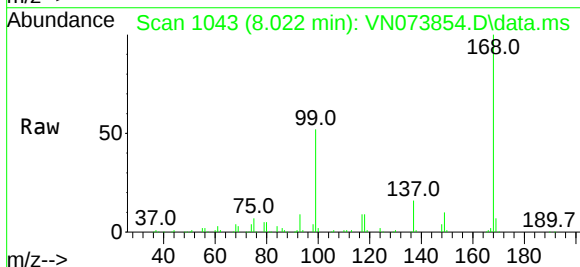
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#01

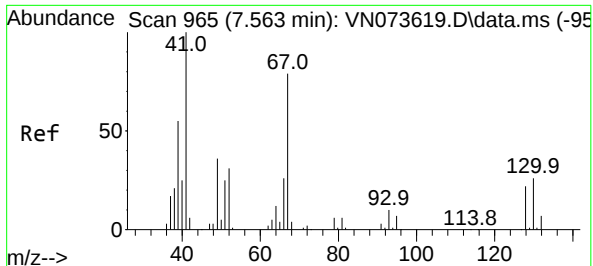
Tgt Ion: 43 Resp: 61579
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.6
70 10.4 9.3 13.9



#38
Carbon Tetrachloride
Concen: 5.975 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

Tgt Ion: 117 Resp: 36304
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.8#
121 0.0 24.6 37.0#

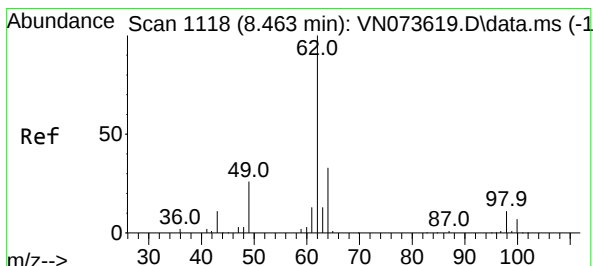
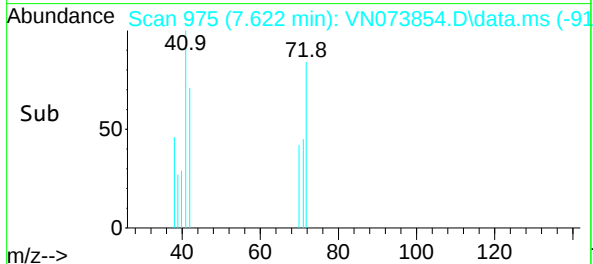
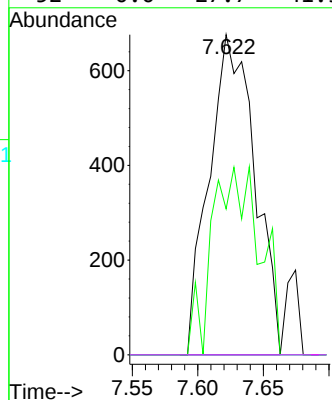
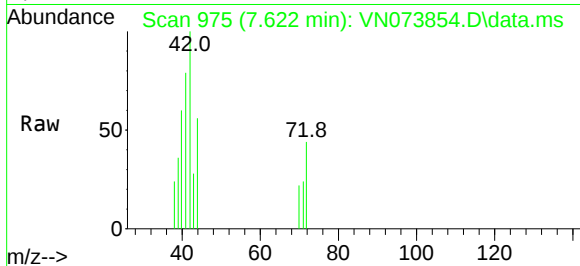




#41
Methacrylonitrile
Concen: 0.460 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

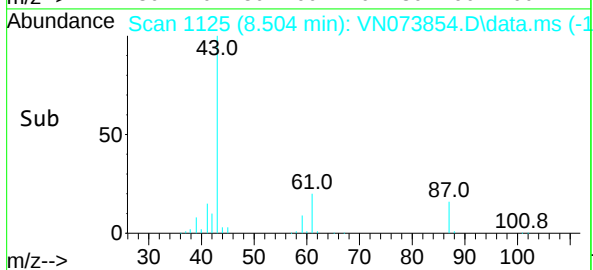
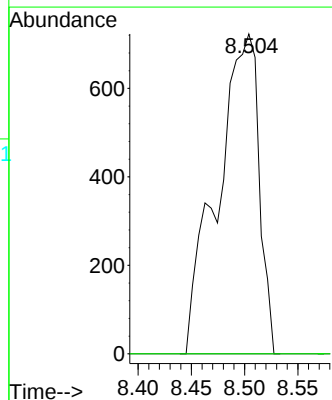
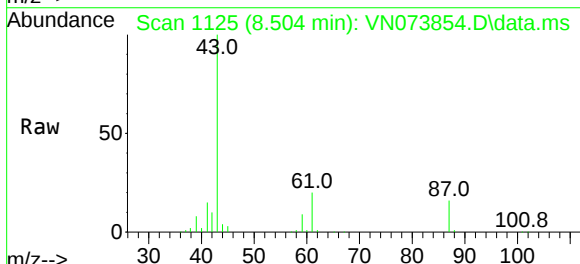
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#01

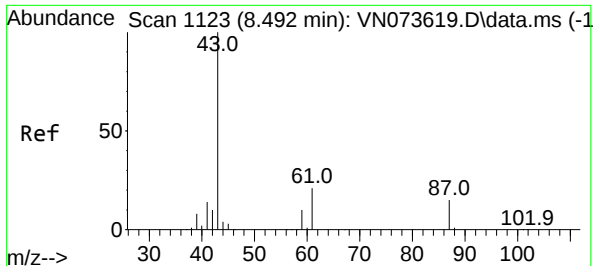
Tgt Ion: 41	Resp: 1640
Ion Ratio	Lower Upper
41 100	
39 61.3	48.6 73.0
67 0.0	73.4 110.2#
52 0.0	27.7 41.5#



#42
1,2-Dichloroethane
Concen: 0.300 ug/l
RT: 8.504 min Scan# 1125
Delta R.T. 0.041 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

Tgt Ion: 62	Resp: 1964
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 19.4





#43

Isopropyl Acetate

Concen: 23.569 ug/l

RT: 8.498 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN073854.D

Acq: 12 Aug 2022 16:13

Instrument :

MSVOA_N

ClientSampleId :

PB146944ZHE#01

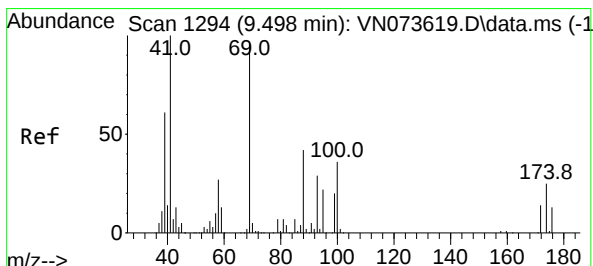
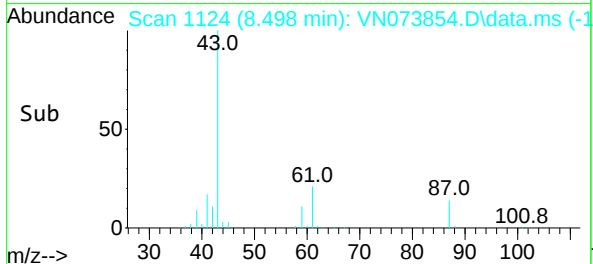
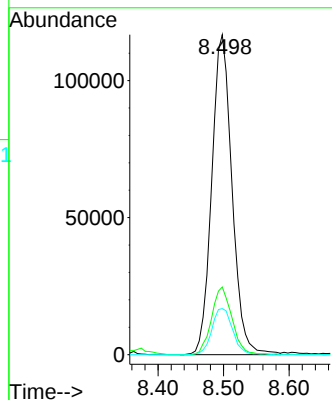
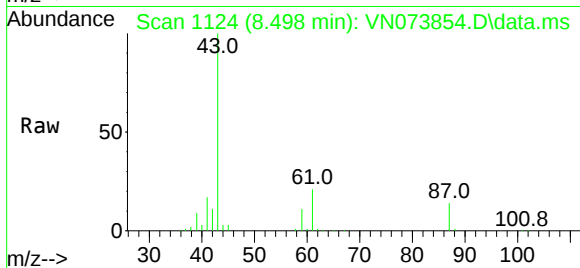
Tgt Ion: 43 Resp: 250819

Ion Ratio Lower Upper

43 100

61 21.4 21.9 32.9#

87 14.8 12.0 18.0



#48

Methyl methacrylate

Concen: 1.904 ug/l

RT: 9.492 min Scan# 1293

Delta R.T. -0.006 min

Lab File: VN073854.D

Acq: 12 Aug 2022 16:13

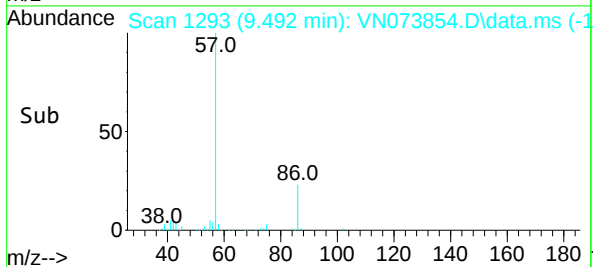
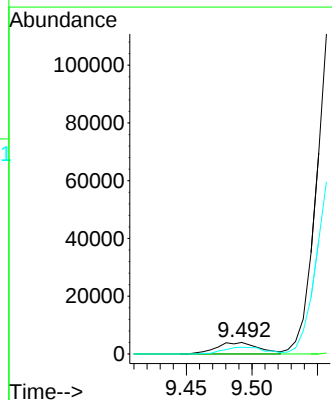
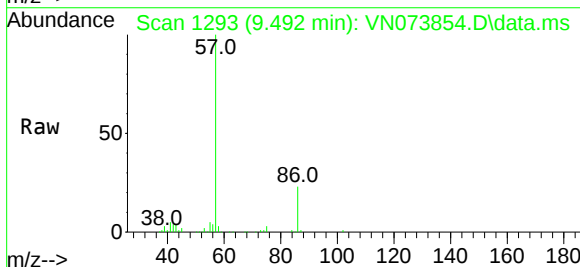
Tgt Ion: 41 Resp: 8870

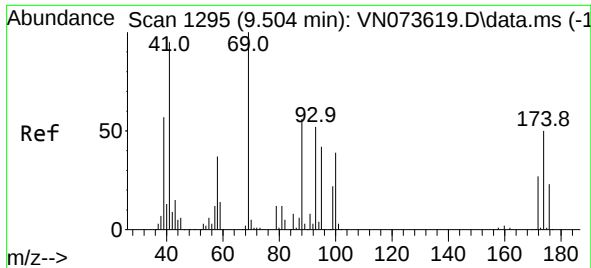
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 57.2 45.6 68.4





#49

1,4-Dioxane

Concen: 1.074 ug/l

RT: 9.498 min Scan# 1294

Delta R.T. -0.006 min

Lab File: VN073854.D

Acq: 12 Aug 2022 16:13

Instrument :

MSVOA_N

ClientSampleId :

PB146944ZHE#01

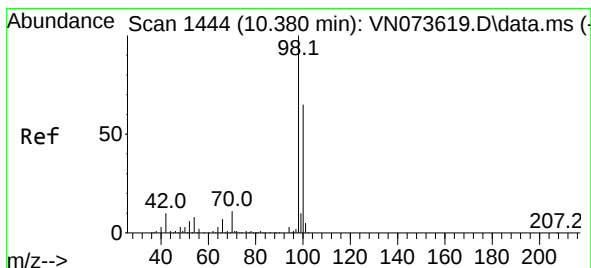
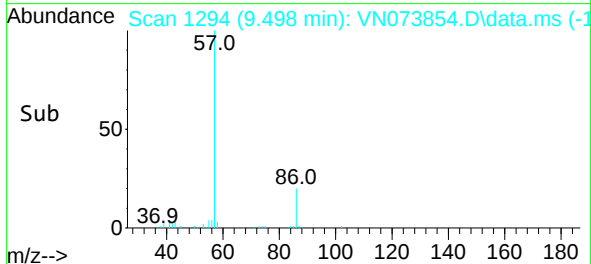
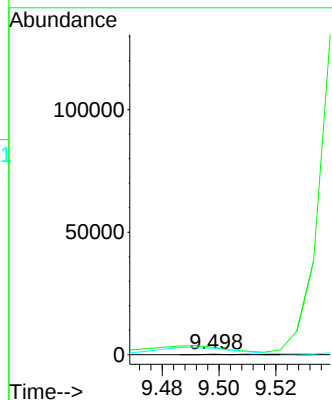
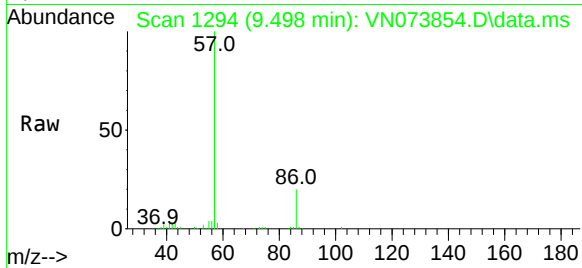
Tgt Ion: 88 Resp: 141

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 4616.3 54.2 81.4#



#50

Toluene-d8

Concen: 47.032 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN073854.D

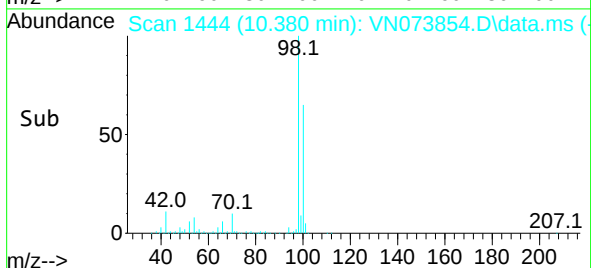
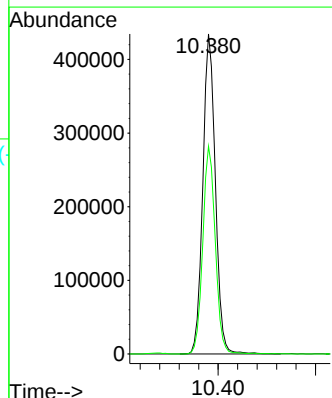
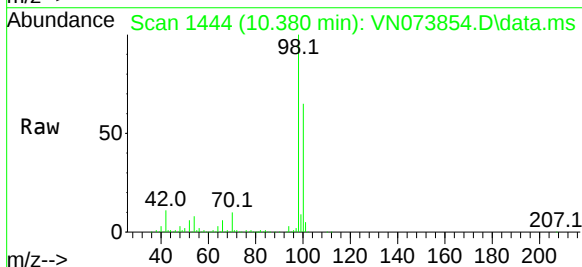
Acq: 12 Aug 2022 16:13

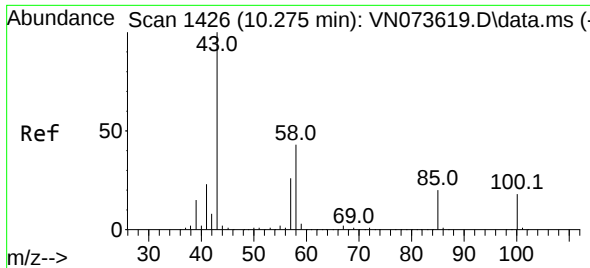
Tgt Ion: 98 Resp: 776861

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8

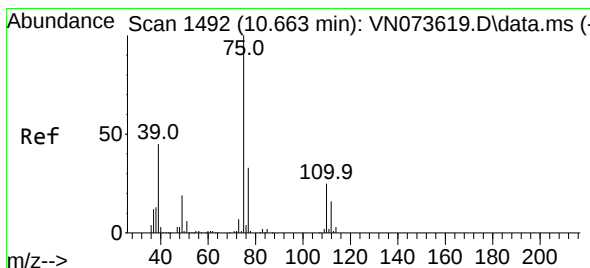
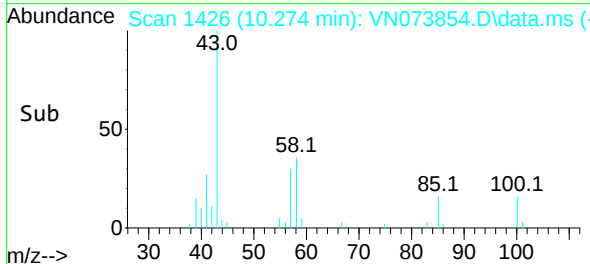
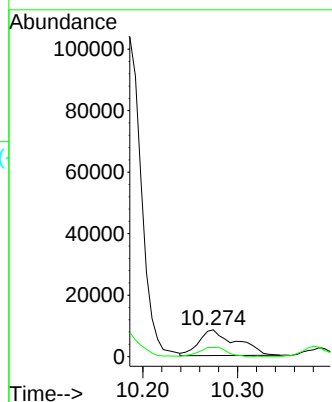
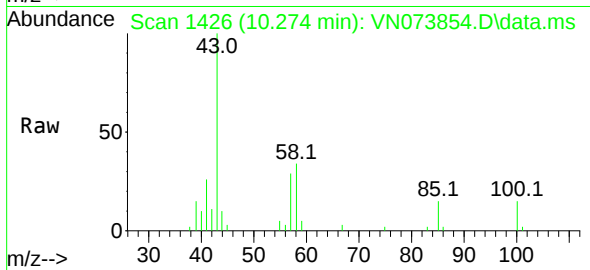




#51
4-Methyl-2-Pentanone
Concen: 3.006 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

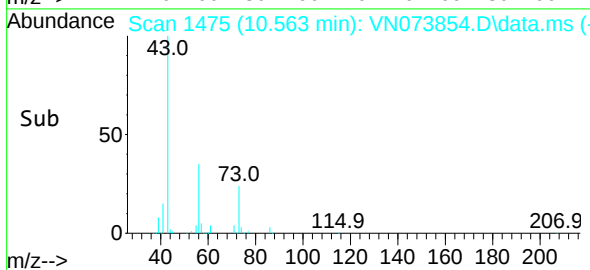
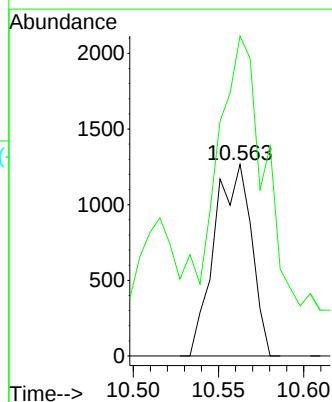
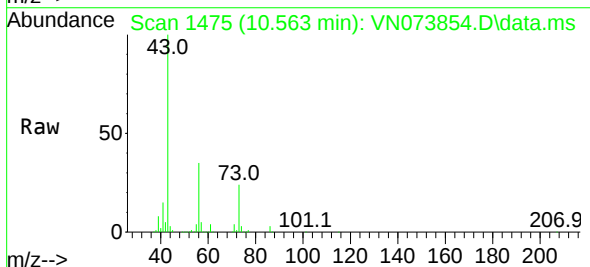
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#01

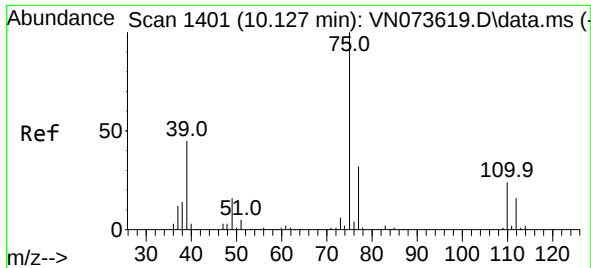
Tgt Ion: 43 Resp: 22943
Ion Ratio Lower Upper
43 100
58 27.4 34.1 51.1#



#53
t-1,3-Dichloropropene
Concen: 0.299 ug/l
RT: 10.563 min Scan# 1475
Delta R.T. -0.100 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

Tgt Ion: 75 Resp: 1913
Ion Ratio Lower Upper
75 100
77 126.9 25.6 38.4#

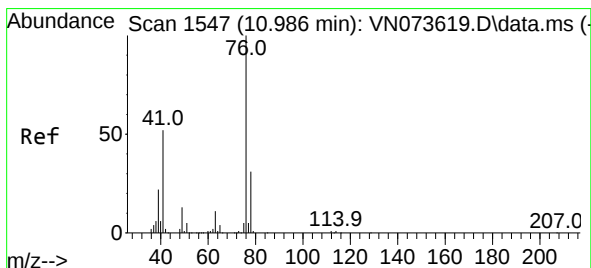
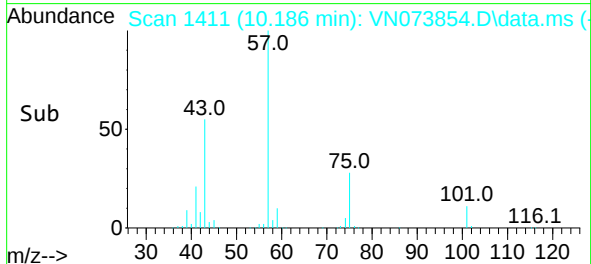
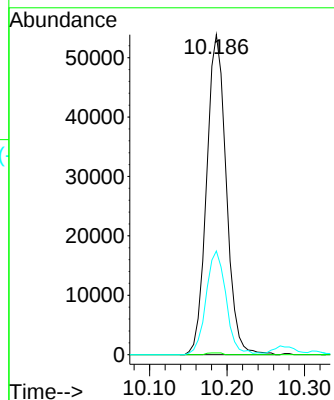
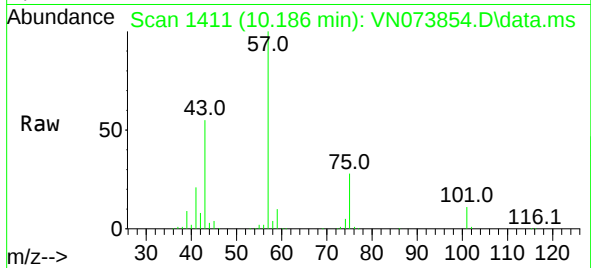




#54
 cis-1,3-Dichloropropene
 Concen: 13.146 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073854.D
 Acq: 12 Aug 2022 16:13

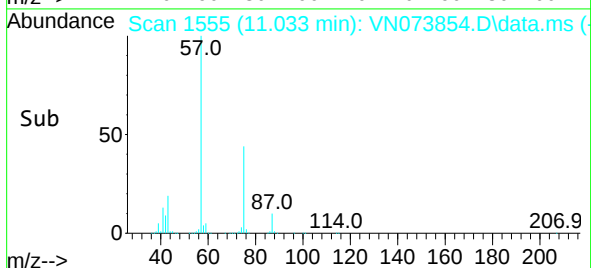
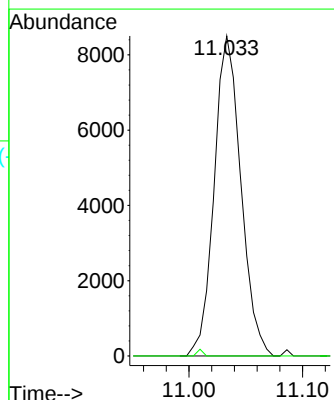
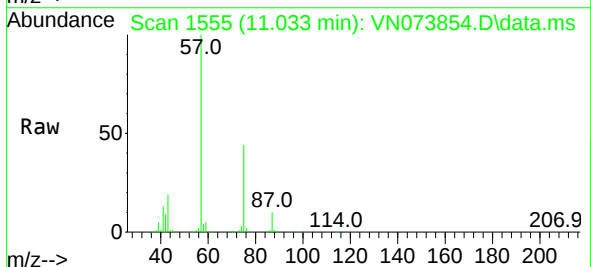
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146944ZHE#01

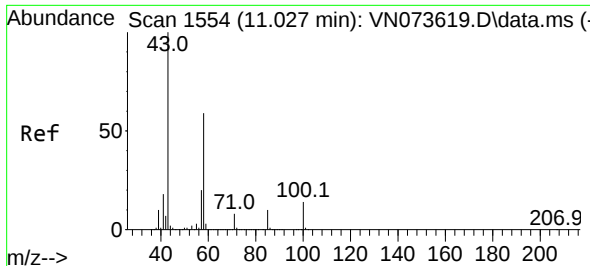
Tgt Ion: 75 Resp: 94663
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 32.4 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.655 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073854.D
 Acq: 12 Aug 2022 16:13

Tgt Ion: 76 Resp: 13891
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

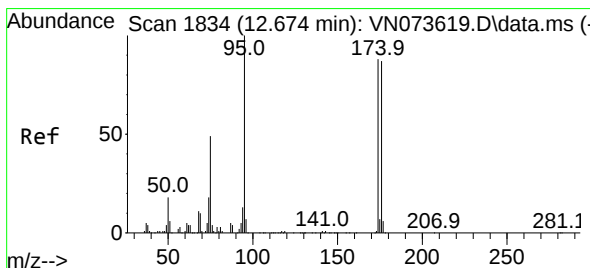
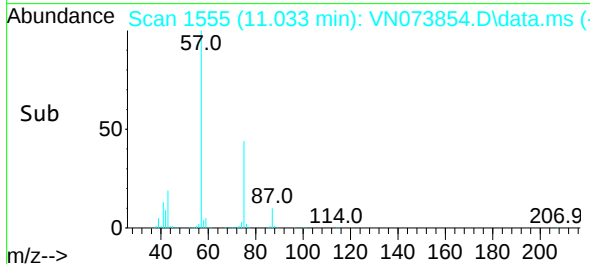
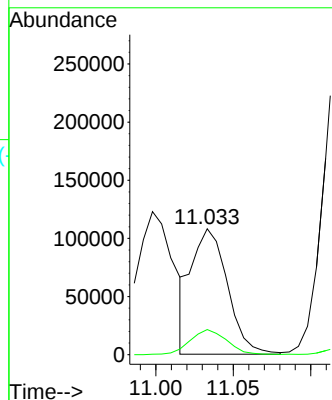
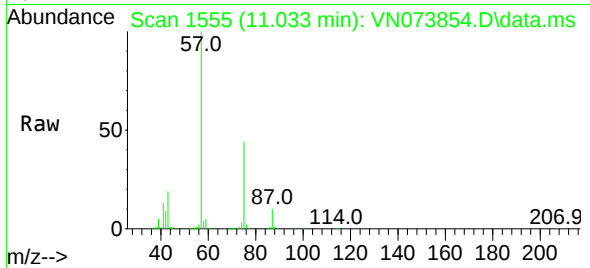




#59
2-Hexanone
Concen: 30.188 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

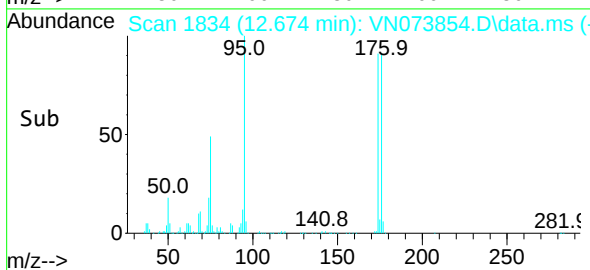
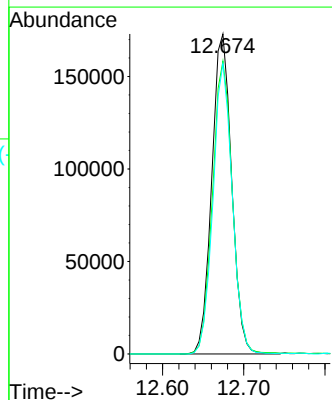
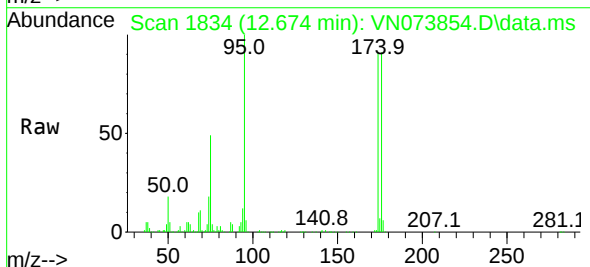
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#01

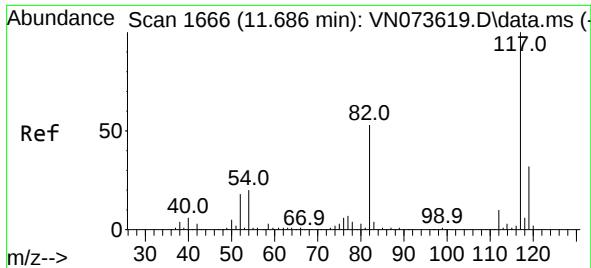
Tgt Ion: 43 Resp: 174574
Ion Ratio Lower Upper
43 100
58 20.7 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 50.739 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

Tgt Ion: 95 Resp: 294463
Ion Ratio Lower Upper
95 100
174 91.4 0.0 167.6
176 87.8 0.0 163.4

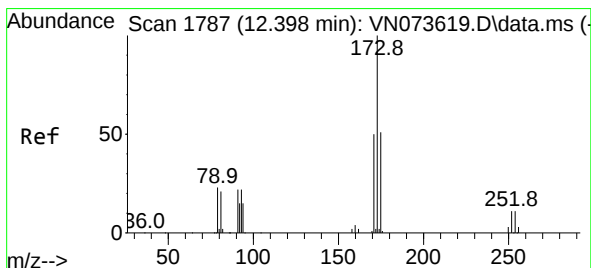
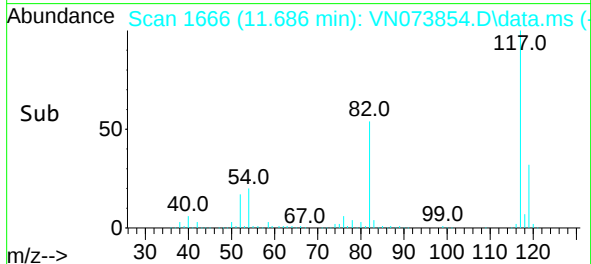
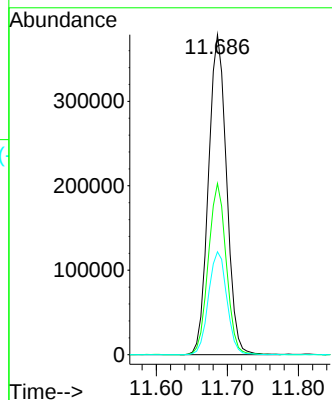
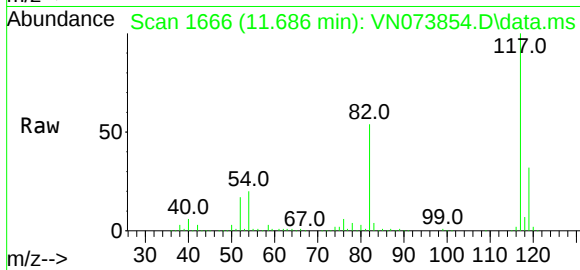




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

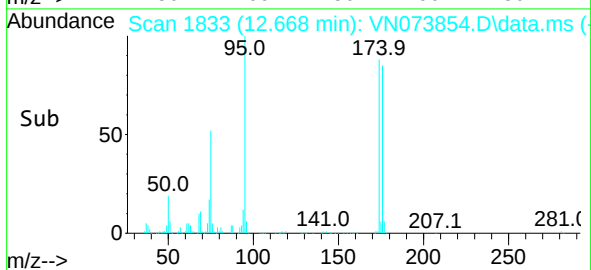
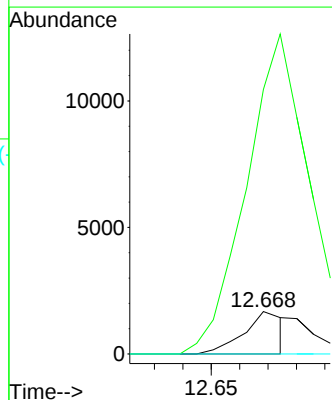
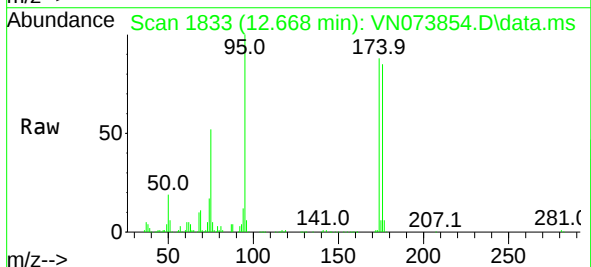
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#01

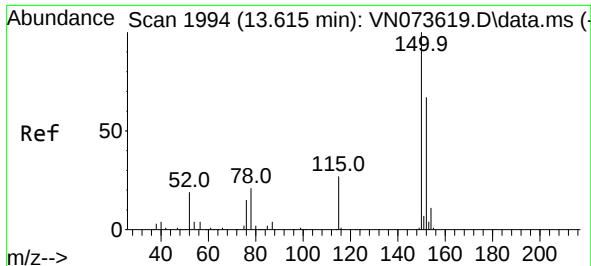
Tgt Ion:117 Resp: 671538
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 32.1 25.4 38.0



#71
Bromoform
Concen: 0.386 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

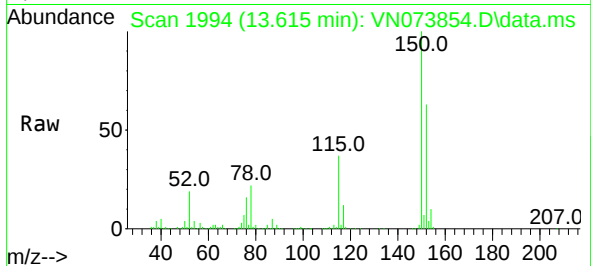
Tgt Ion:173 Resp: 1632
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



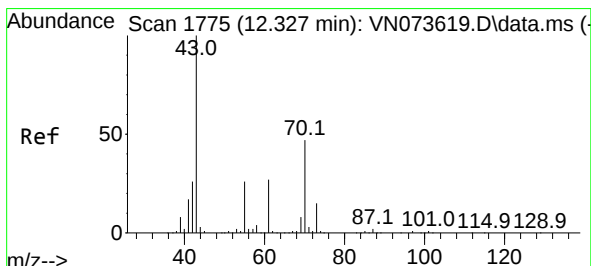
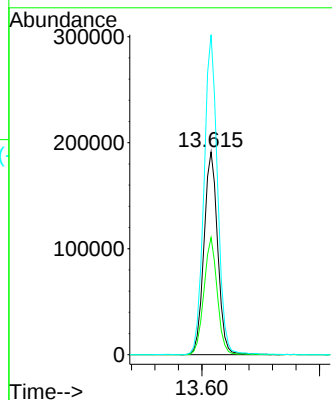
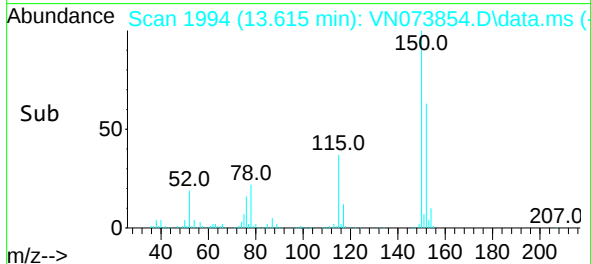


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

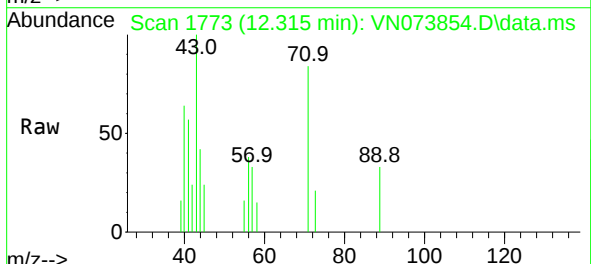
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#01



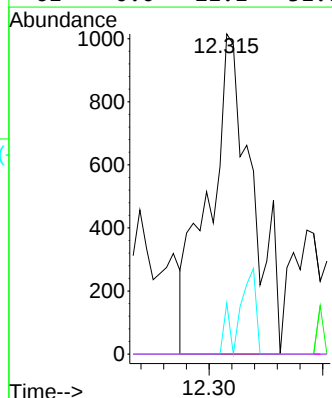
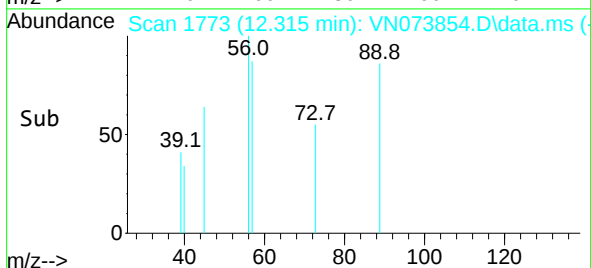
Tgt Ion:152 Resp: 310979
Ion Ratio Lower Upper
152 100
115 56.1 28.9 86.7
150 156.2 0.0 356.2

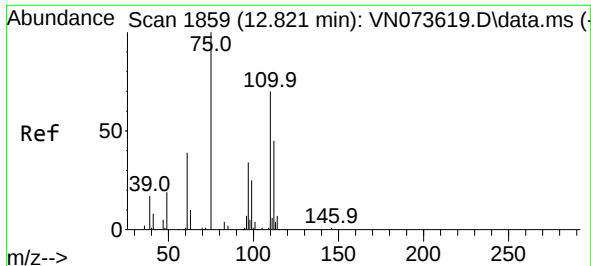


#74
N-ethyl acetate
Concen: 0.311 ug/l
RT: 12.315 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13



Tgt Ion: 43 Resp: 2676
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#

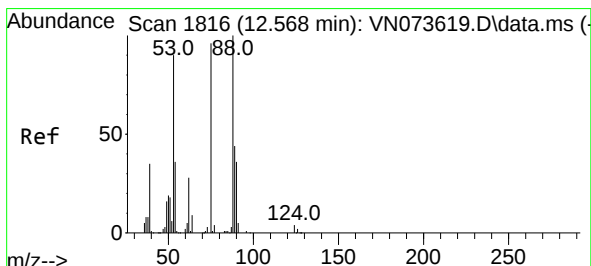
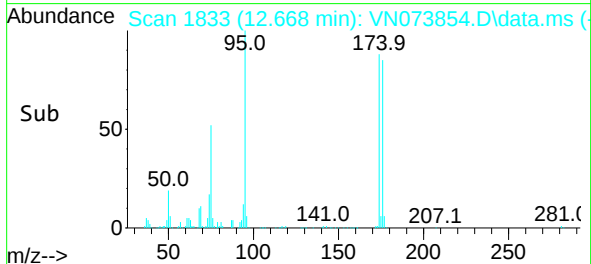
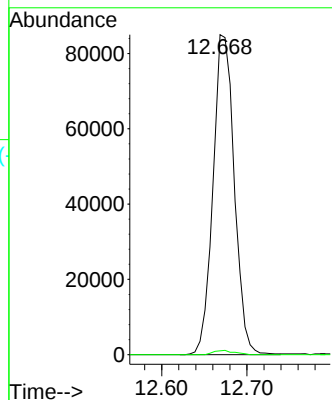
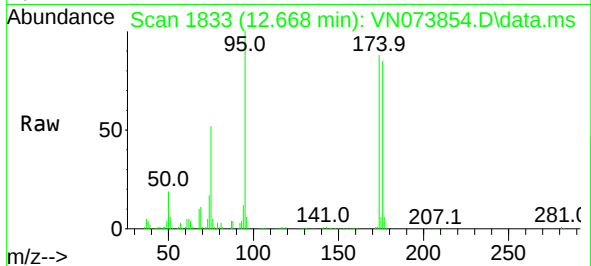




#76
1,2,3-Trichloropropane
Concen: 24.255 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#01

Tgt Ion: 75 Resp: 147635
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.523 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN073854.D
Acq: 12 Aug 2022 16:13

Tgt Ion: 75 Resp: 147635
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

