

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
 Data File : VN073804.D
 Acq On : 10 Aug 2022 17:49
 Operator : JC\MD
 Sample : PB146860ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146860ZHE#03

Quant Time: Aug 10 22:55:34 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

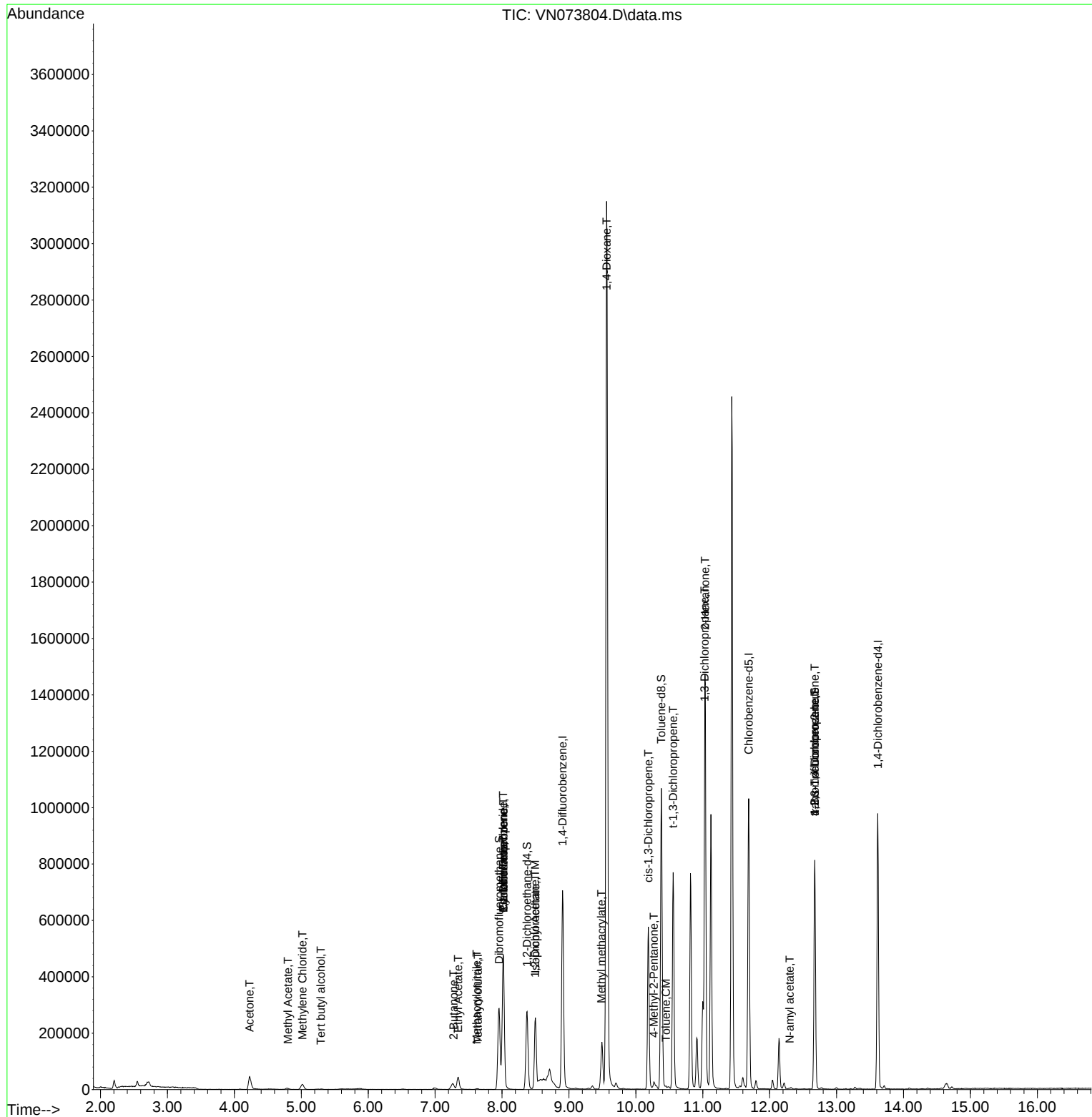
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.022	168	382377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	635927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	626482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	273393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	229504	49.251	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.500%
35) Dibromofluoromethane	7.957	113	218222	54.648	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.300%
50) Toluene-d8	10.381	98	735569	46.810	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.620%
62) 4-Bromofluorobenzene	12.675	95	264424	48.049	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	874	Below Cal	#	76
6) Chloroethane	2.981	64	144	Below Cal	#	71
11) Tert butyl alcohol	5.293	59	3160	3.144	ug/l #	72
16) Acetone	4.228	43	82522	32.971	ug/l	97
18) Methyl Acetate	4.799	43	9847	1.581	ug/l #	88
20) Methylene Chloride	5.016	84	15857	1.791	ug/l #	90
25) 2-Butanone	7.275	43	25862	6.654	ug/l	95
29) Tetrahydrofuran	7.640	42	2210	0.899	ug/l #	78
31) Cyclohexane	8.022	56	7478	1.078	ug/l #	9
36) 1,1-Dichloropropene	8.022	75	28224	4.959	ug/l #	48
37) Ethyl Acetate	7.345	43	64895	8.658	ug/l	97
38) Carbon Tetrachloride	8.016	117	36412	6.299	ug/l #	16
41) Methacrylonitrile	7.622	41	1344	0.396	ug/l #	29
42) 1,2-Dichloroethane	8.492	62	1733	0.278	ug/l #	74
43) Isopropyl Acetate	8.498	43	282438	27.899	ug/l #	92
48) Methyl methacrylate	9.486	41	9879	2.229	ug/l #	40
49) 1,4-Dioxane	9.563	88	342	2.738	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	25317	3.487	ug/l #	74
52) Toluene	10.451	92	2941	0.261	ug/l	89
53) t-1,3-Dichloropropene	10.557	75	2199	0.362	ug/l #	1
54) cis-1,3-Dichloropropene	10.186	75	105740	15.436	ug/l #	65
57) 1,3-Dichloropropane	11.028	76	15565	1.949	ug/l #	42
59) 2-Hexanone	11.033	43	202862	36.875	ug/l #	50
74) N-amyl acetate	12.298	43	1598	0.211	ug/l #	44
76) 1,2,3-Trichloropropane	12.675	75	134112	25.177	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	134112	63.571	ug/l #	10

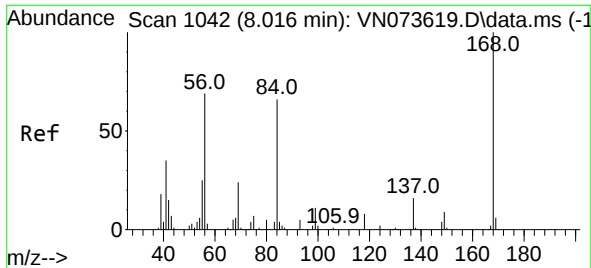
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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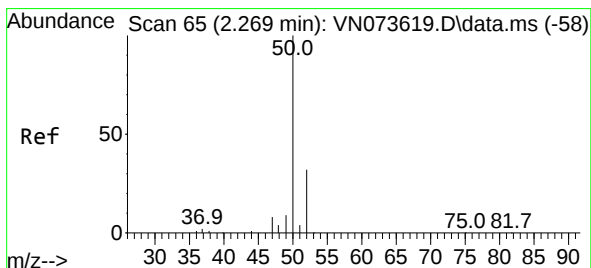
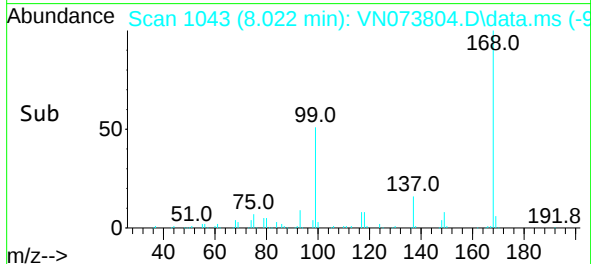
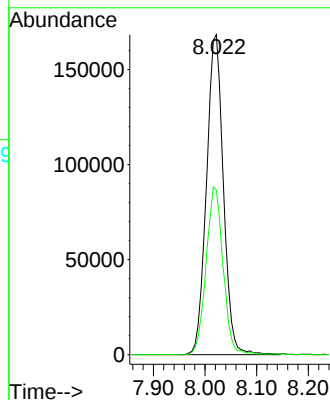
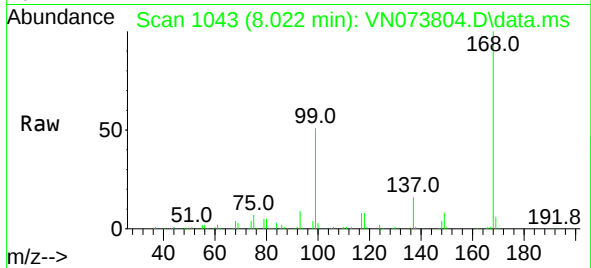




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

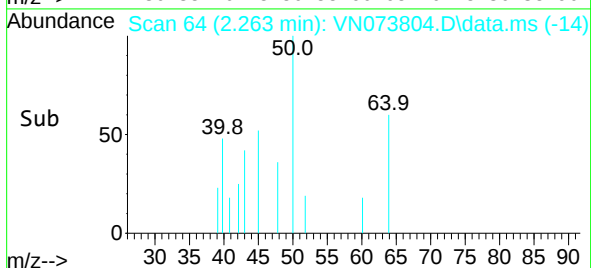
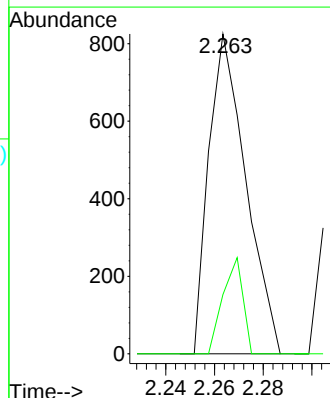
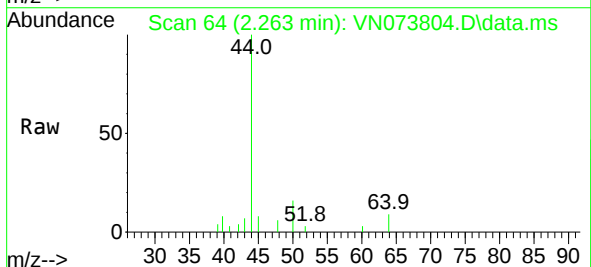
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#03

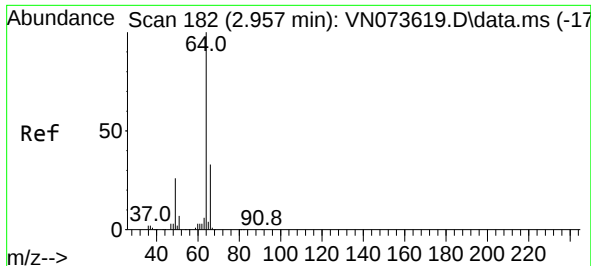
Tgt Ion:168 Resp: 382377
Ion Ratio Lower Upper
168 100
99 51.5 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

Tgt Ion: 50 Resp: 874
Ion Ratio Lower Upper
50 100
52 18.5 25.7 38.5#

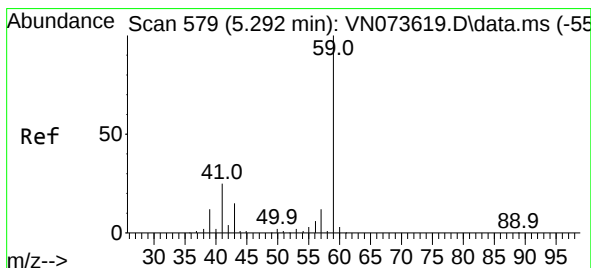
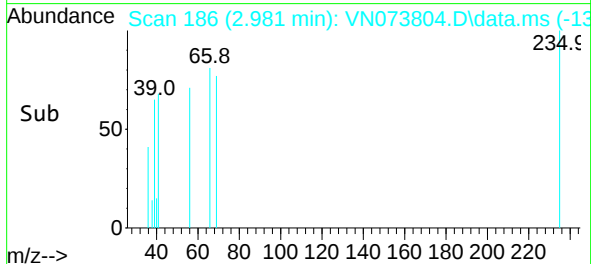
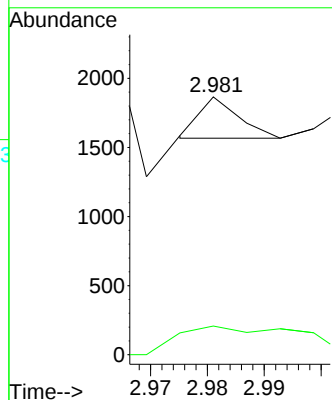
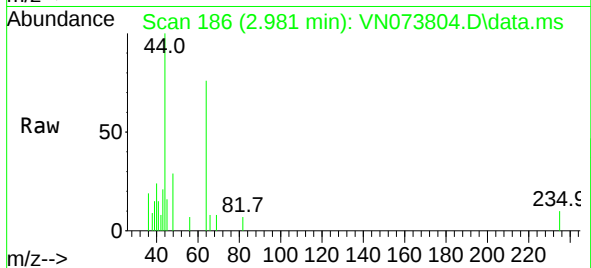




#6
Chloroethane
Concen: Below Cal
RT: 2.981 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

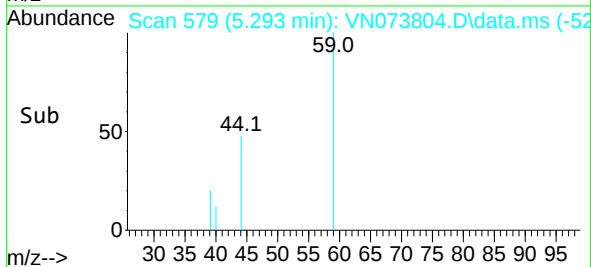
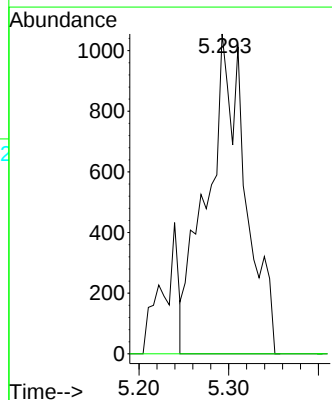
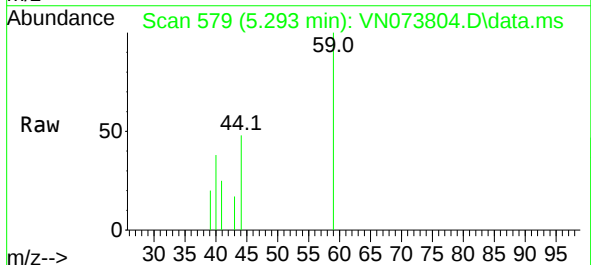
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#03

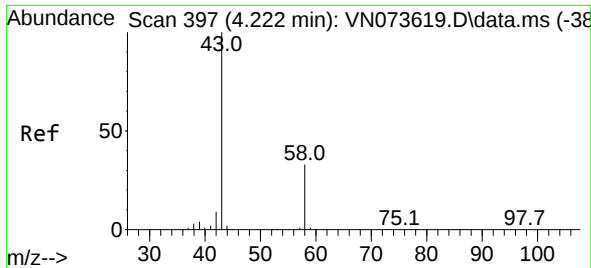
Tgt Ion: 64 Resp: 144
Ion Ratio Lower Upper
64 100
66 16.7 26.2 39.4#



#11
Tert butyl alcohol
Concen: 3.144 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.001 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

Tgt Ion: 59 Resp: 3160
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

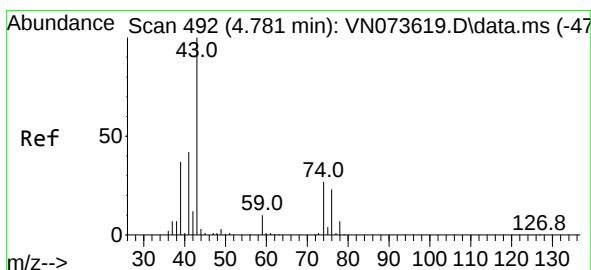
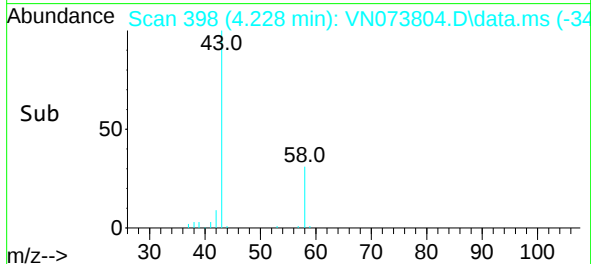
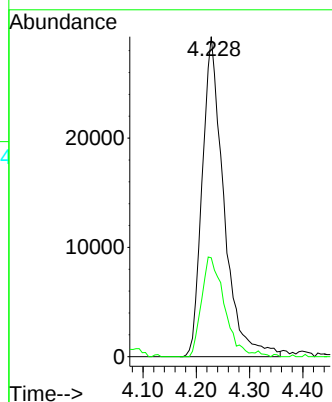
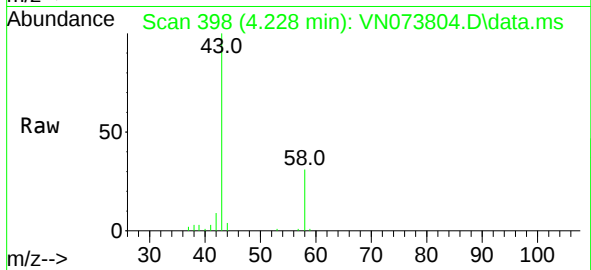




#16
Acetone
Concen: 32.971 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

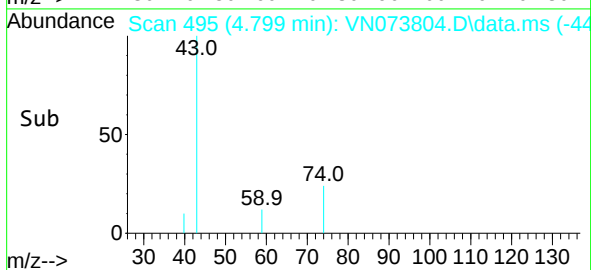
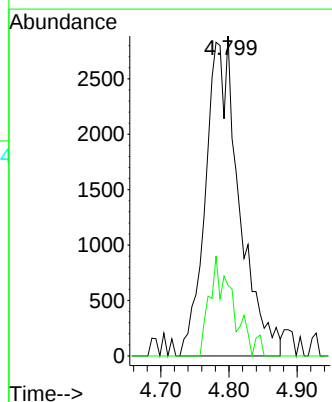
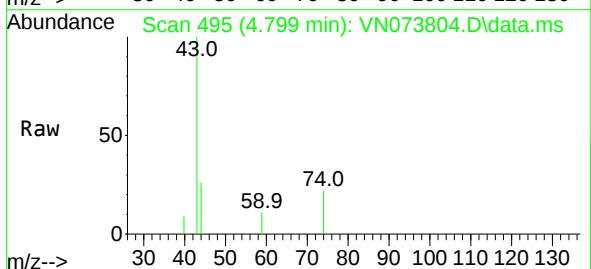
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#03

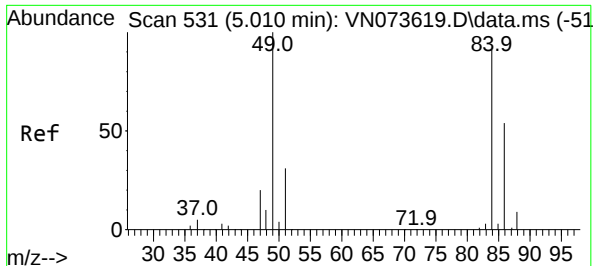
Tgt Ion: 43 Resp: 82522
Ion Ratio Lower Upper
43 100
58 30.9 26.0 39.0



#18
Methyl Acetate
Concen: 1.581 ug/l
RT: 4.799 min Scan# 495
Delta R.T. 0.018 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

Tgt Ion: 43 Resp: 9847
Ion Ratio Lower Upper
43 100
74 20.8 21.6 32.4#





#20

Methylene Chloride

Concen: 1.791 ug/l

RT: 5.016 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN073804.D

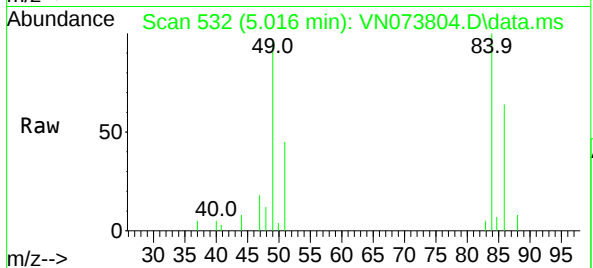
Acq: 10 Aug 2022 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB146860ZHE#03



Tgt Ion: 84 Resp: 15857

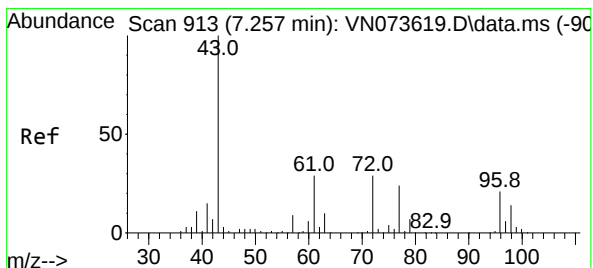
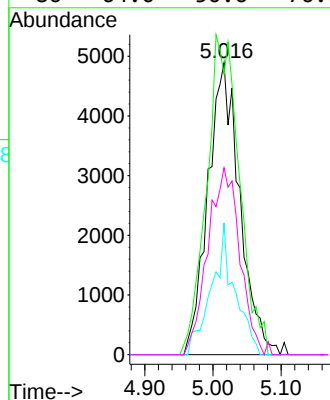
Ion Ratio Lower Upper

84 100

49 96.2 88.3 132.5

51 45.2 28.2 42.2#

86 64.0 50.6 76.0



#25

2-Butanone

Concen: 6.654 ug/l

RT: 7.275 min Scan# 916

Delta R.T. 0.018 min

Lab File: VN073804.D

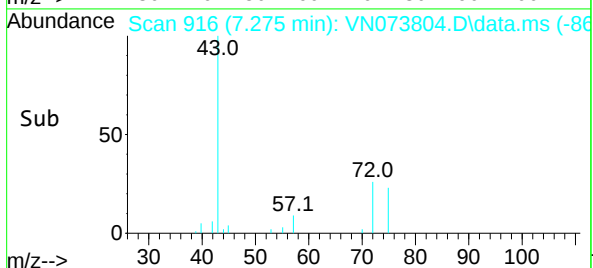
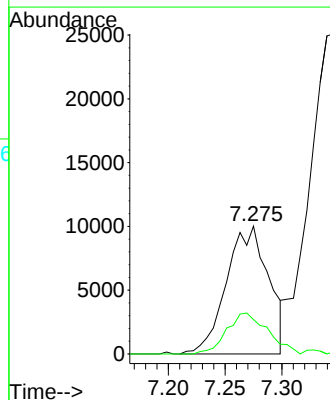
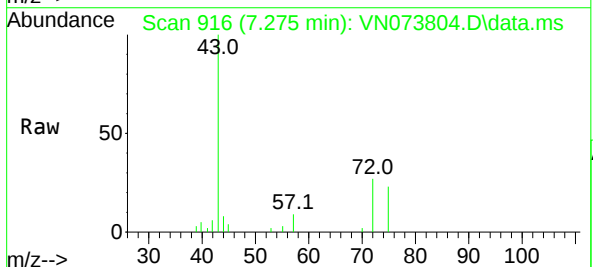
Acq: 10 Aug 2022 17:49

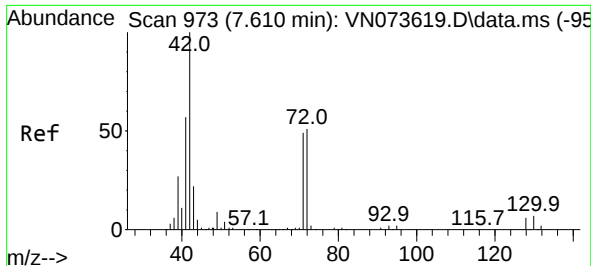
Tgt Ion: 43 Resp: 25862

Ion Ratio Lower Upper

43 100

72 26.8 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.899 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.030 min

Lab File: VN073804.D

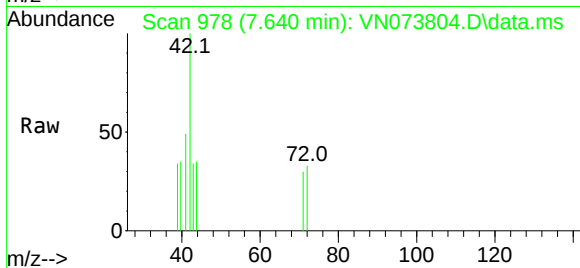
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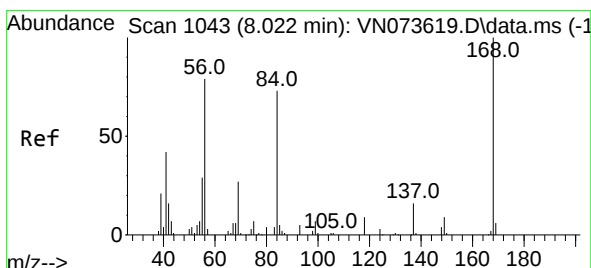
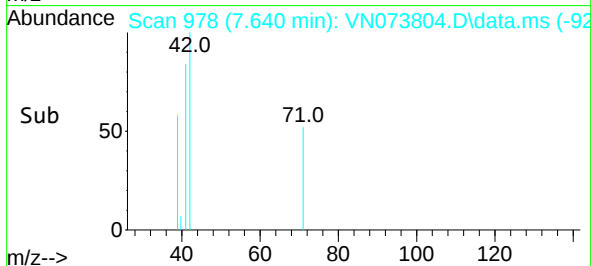
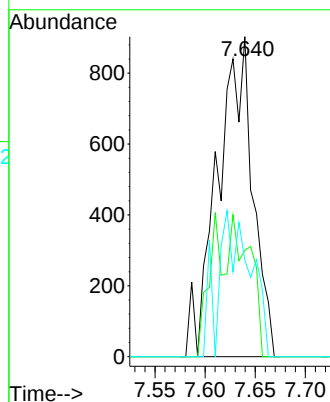
MSVOA_N

ClientSampleId :

PB146860ZHE#03



Tgt Ion:	42	Resp:	2210
Ion	Ratio	Lower	Upper
42	100		
72	24.5	39.7	59.5#
71	42.0	36.6	55.0



#31

Cyclohexane

Concen: 1.078 ug/l

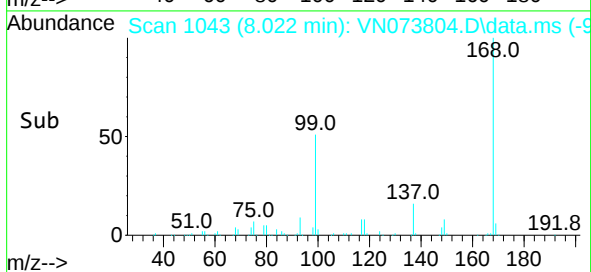
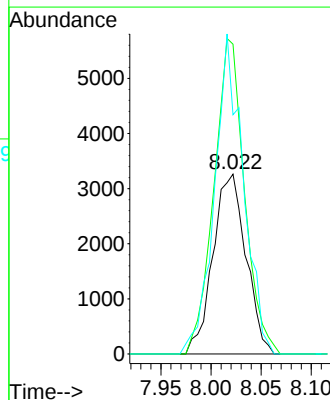
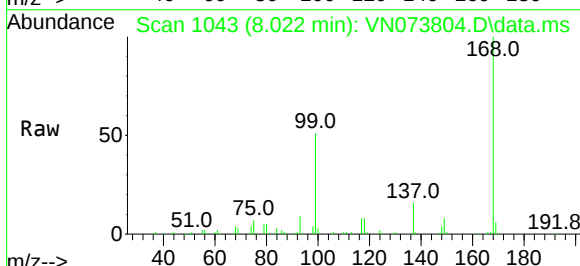
RT: 8.022 min Scan# 1043

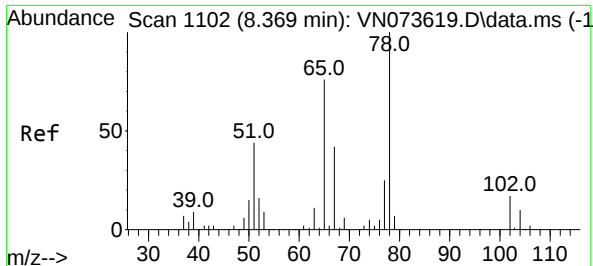
Delta R.T. 0.000 min

Lab File: VN073804.D

Acq: 10 Aug 2022 17:49

Tgt Ion:	56	Resp:	7478
Ion	Ratio	Lower	Upper
56	100		
69	172.2	27.8	41.8#
84	133.0	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.251 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073804.D

Acq: 10 Aug 2022 17:49

Instrument :

MSVOA_N

ClientSampleId :

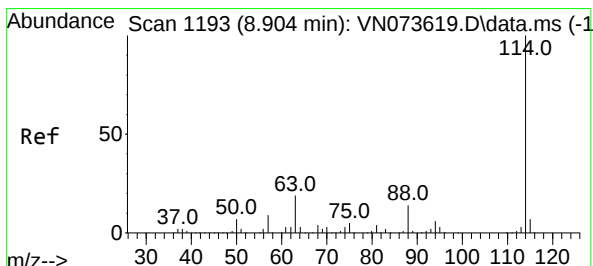
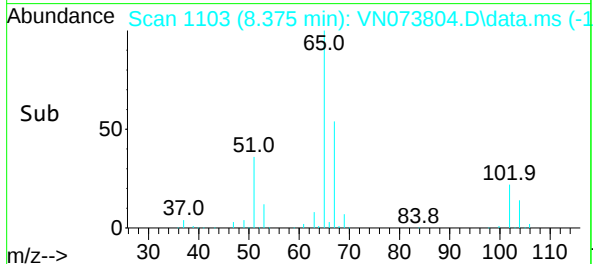
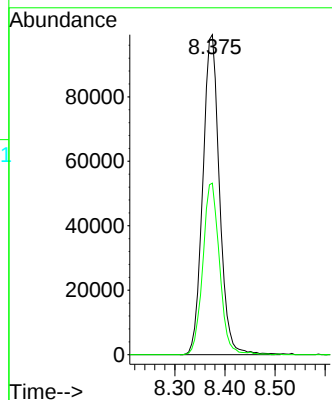
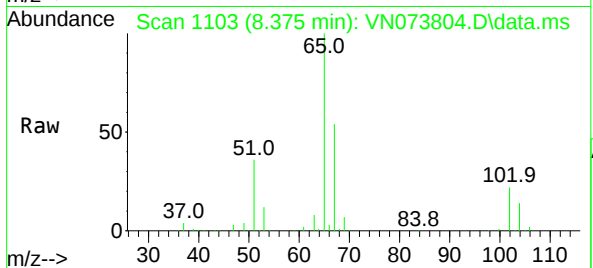
PB146860ZHE#03

Tgt Ion: 65 Resp: 229504

Ion Ratio Lower Upper

65 100

67 53.8 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: VN073804.D

Acq: 10 Aug 2022 17:49

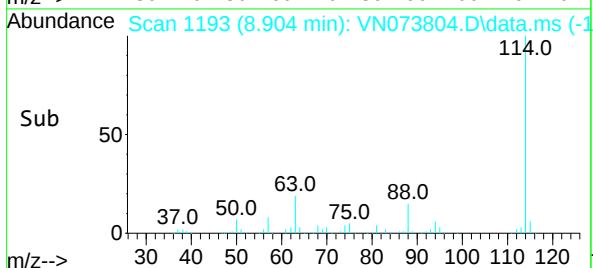
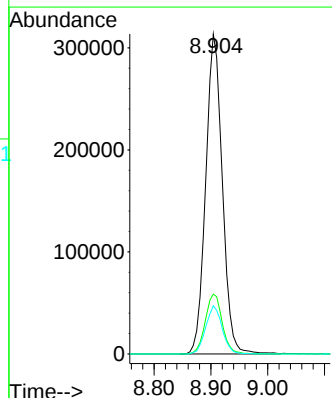
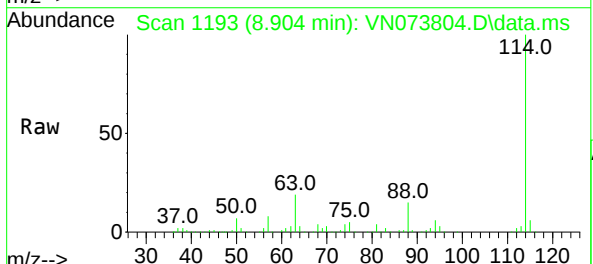
Tgt Ion: 114 Resp: 635927

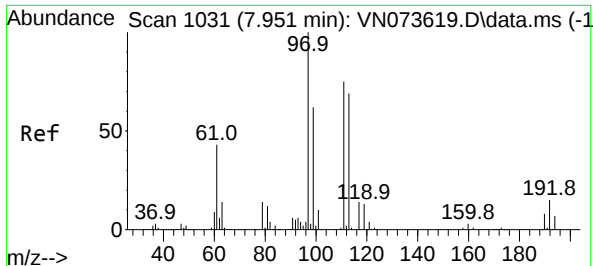
Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.648 ug/l

RT: 7.957 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VN073804.D

Acq: 10 Aug 2022 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB146860ZHE#03

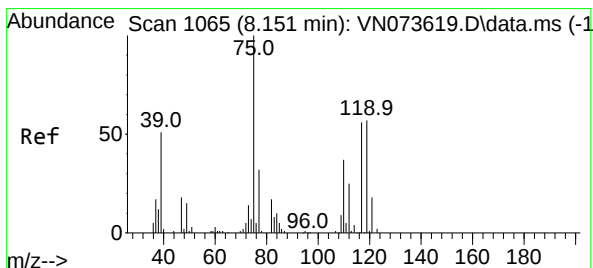
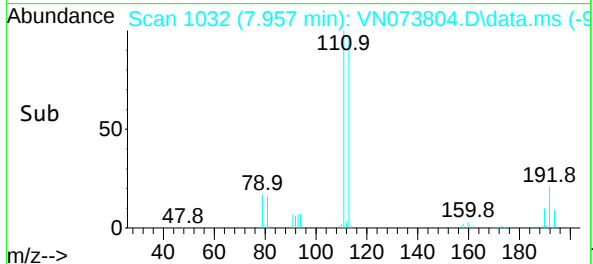
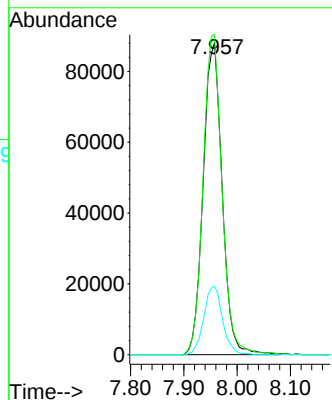
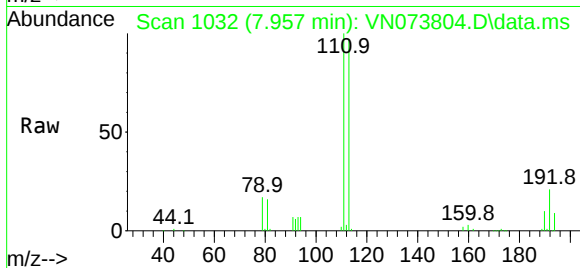
Tgt Ion:113 Resp: 218222

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

192 21.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.959 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN073804.D

Acq: 10 Aug 2022 17:49

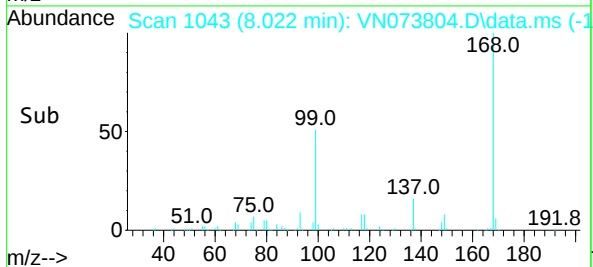
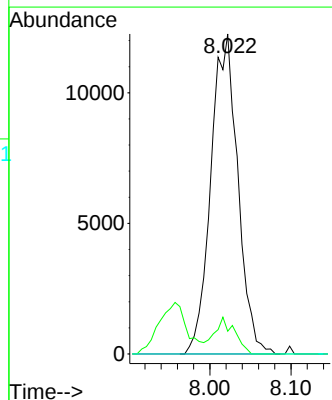
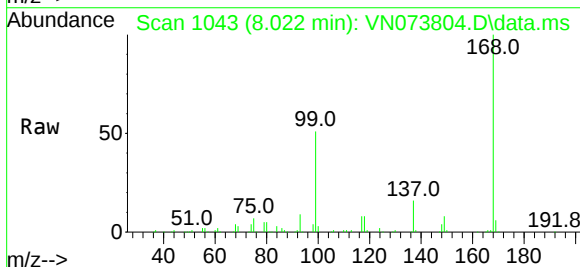
Tgt Ion: 75 Resp: 28224

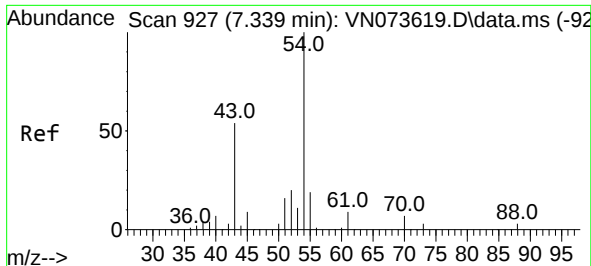
Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.8#

77 0.0 25.1 37.7#

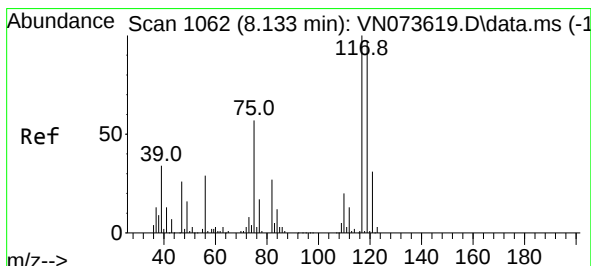
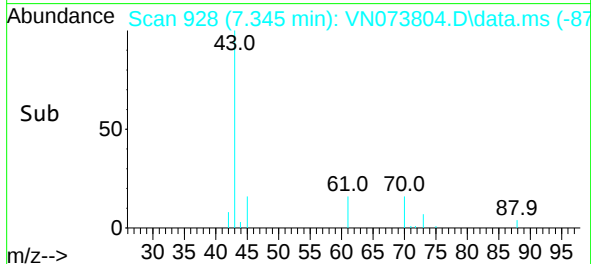
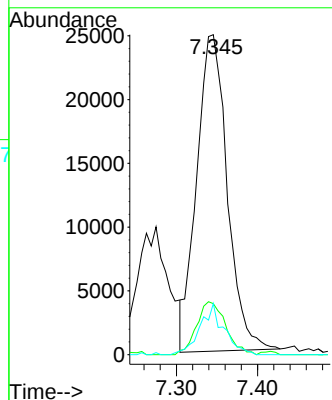
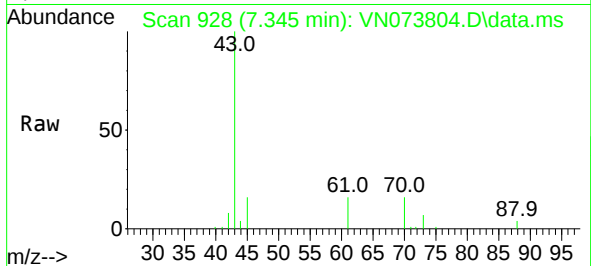




#37
Ethyl Acetate
Concen: 8.658 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

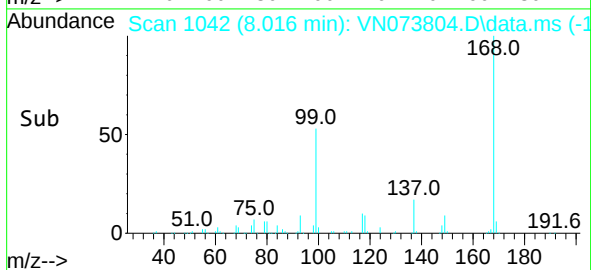
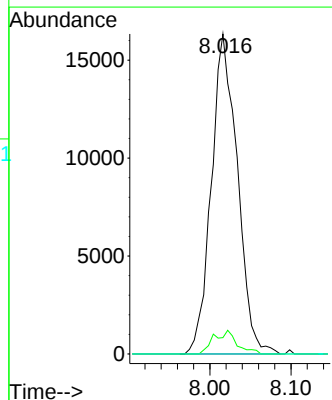
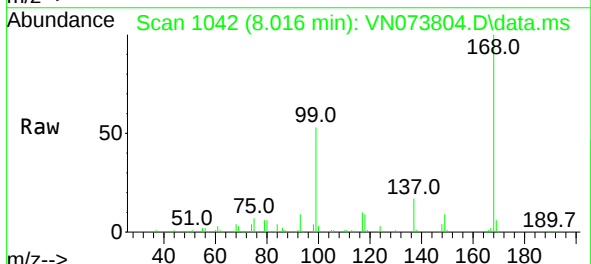
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#03

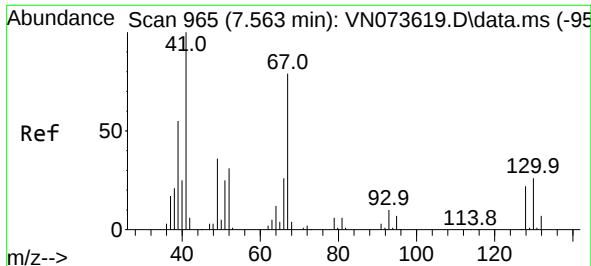
Tgt Ion: 43 Resp: 64895
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.6
70 12.7 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.299 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

Tgt Ion: 117 Resp: 36412
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#

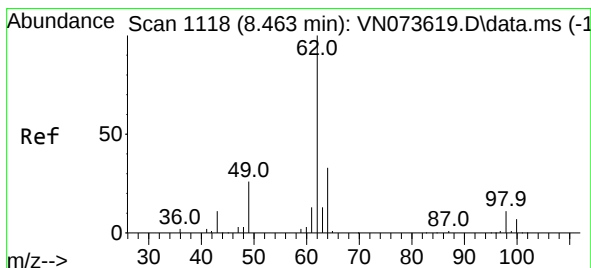
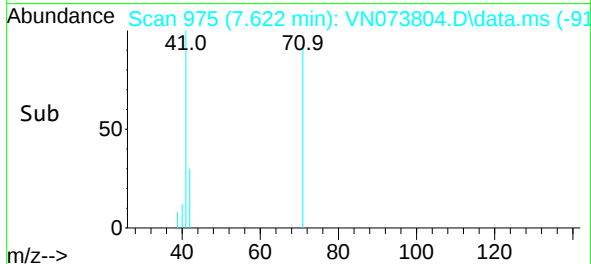
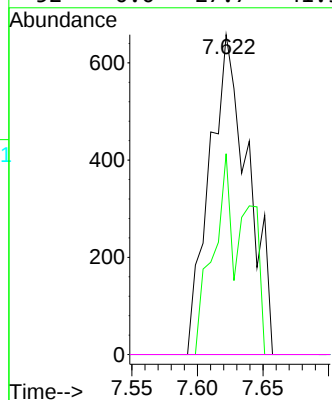
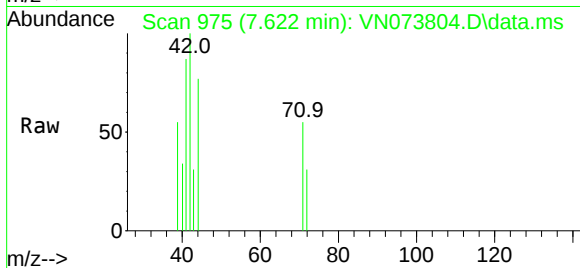




#41
Methacrylonitrile
Concen: 0.396 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

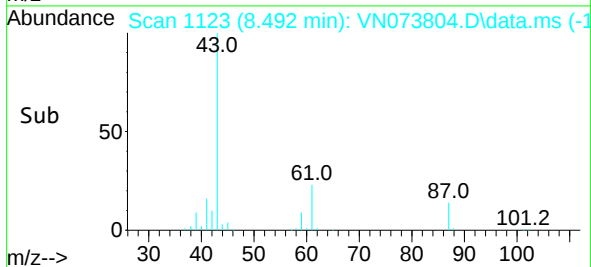
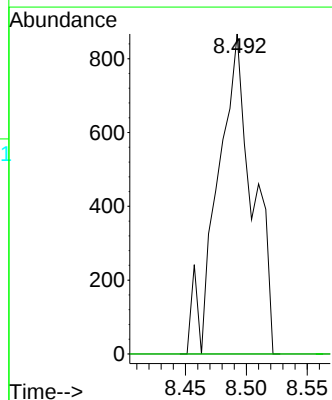
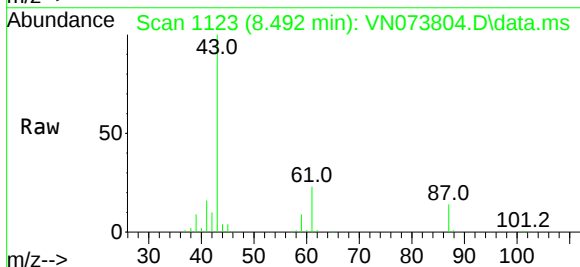
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#03

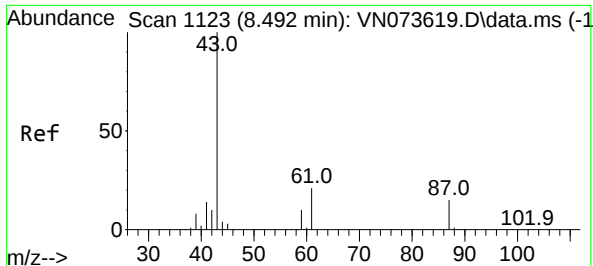
Tgt Ion: 41	Resp: 1344
Ion Ratio	Lower Upper
41 100	
39 30.5	48.6 73.0#
67 0.0	73.4 110.2#
52 0.0	27.7 41.5#



#42
1,2-Dichloroethane
Concen: 0.278 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.030 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

Tgt Ion: 62	Resp: 1733
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 19.4





#43

Isopropyl Acetate

Concen: 27.899 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073804.D

Acq: 10 Aug 2022 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB146860ZHE#03

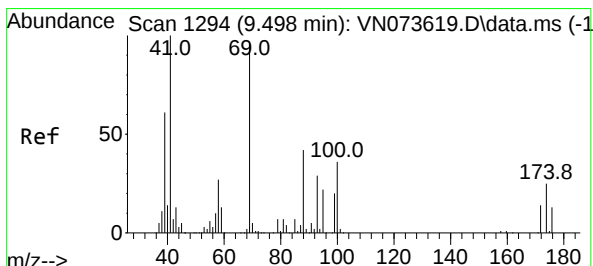
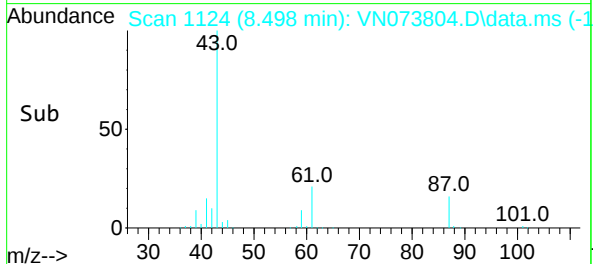
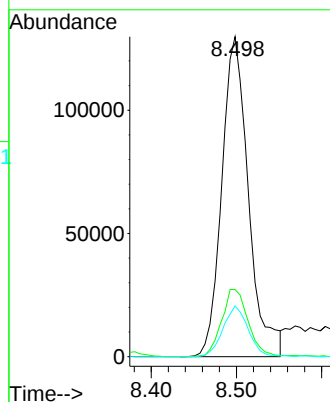
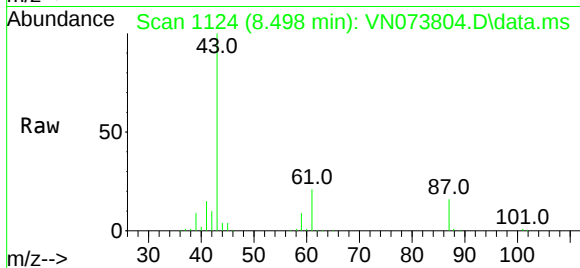
Tgt Ion: 43 Resp: 282438

Ion Ratio Lower Upper

43 100

61 21.3 21.9 32.9#

87 15.0 12.0 18.0



#48

Methyl methacrylate

Concen: 2.229 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VN073804.D

Acq: 10 Aug 2022 17:49

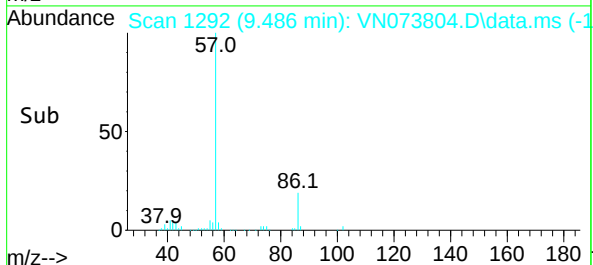
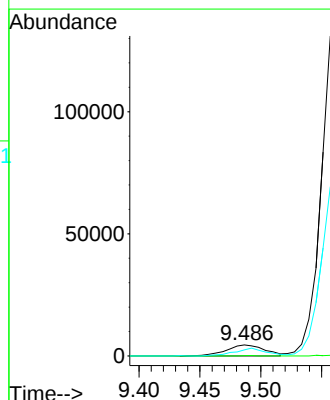
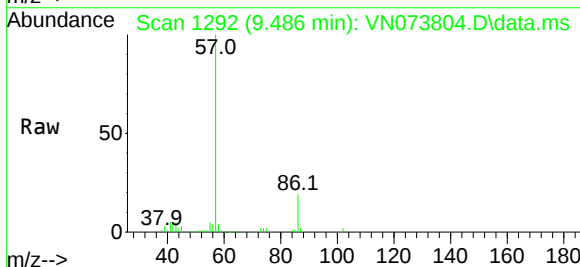
Tgt Ion: 41 Resp: 9879

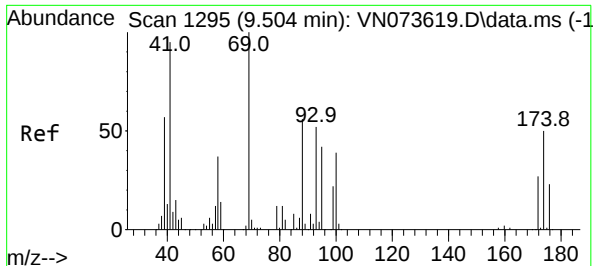
Ion Ratio Lower Upper

41 100

69 1.3 74.7 112.1#

39 58.7 45.6 68.4





#49

1,4-Dioxane

Concen: 2.738 ug/l

RT: 9.563 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN073804.D

Acq: 10 Aug 2022 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB146860ZHE#03

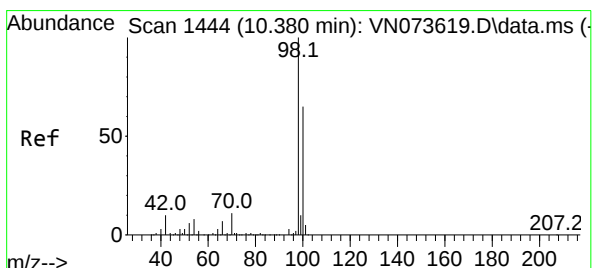
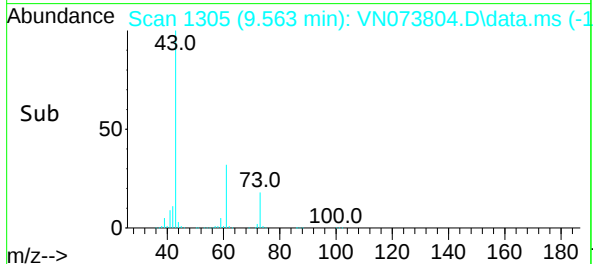
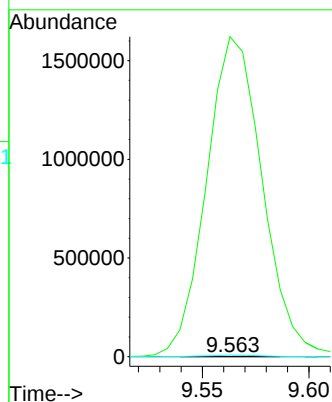
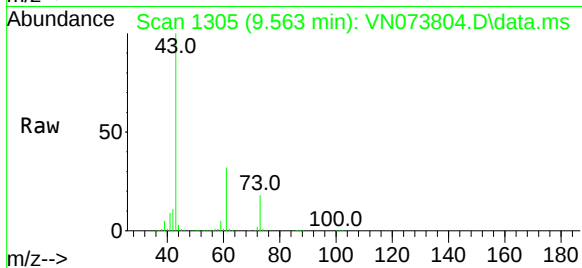
Tgt Ion: 88 Resp: 342

Ion Ratio Lower Upper

88 100

43 875729.2 20.2 30.4#

58 3967.0 54.2 81.4#



#50

Toluene-d8

Concen: 46.810 ug/l

RT: 10.381 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN073804.D

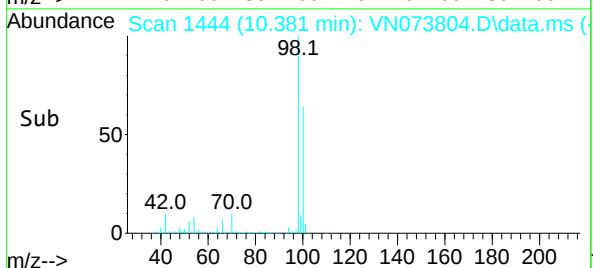
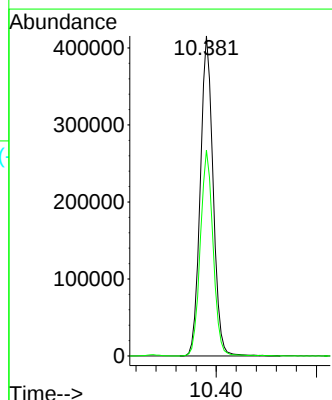
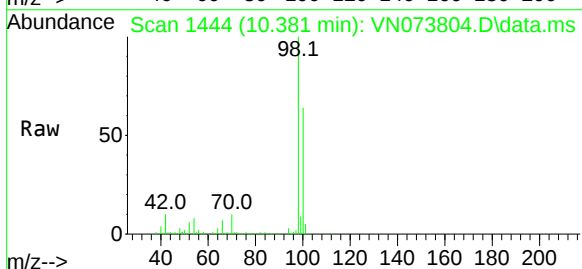
Acq: 10 Aug 2022 17:49

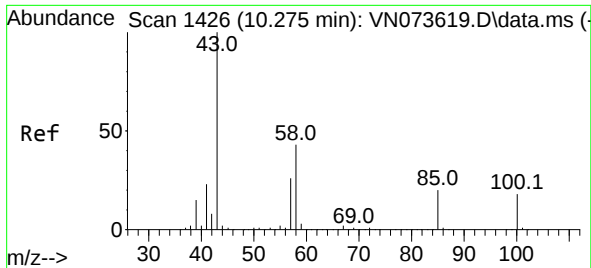
Tgt Ion: 98 Resp: 735569

Ion Ratio Lower Upper

98 100

100 64.2 52.6 78.8

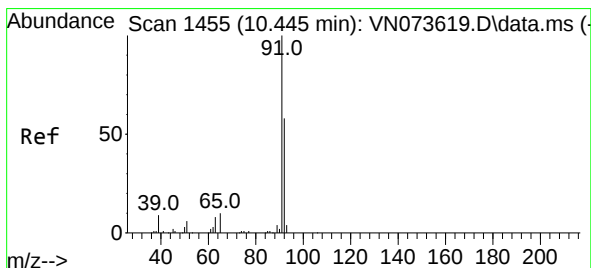
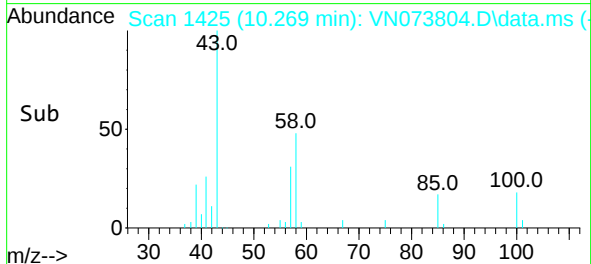
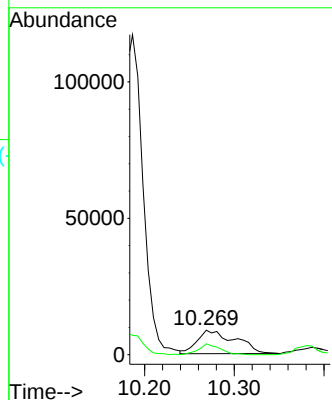
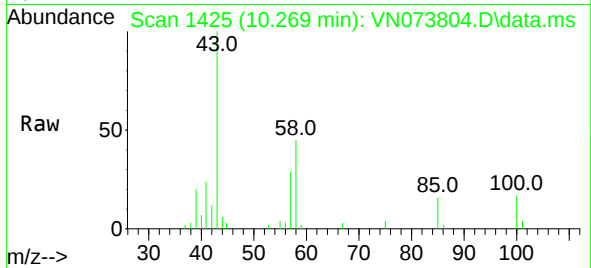




#51
4-Methyl-2-Pentanone
Concen: 3.487 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

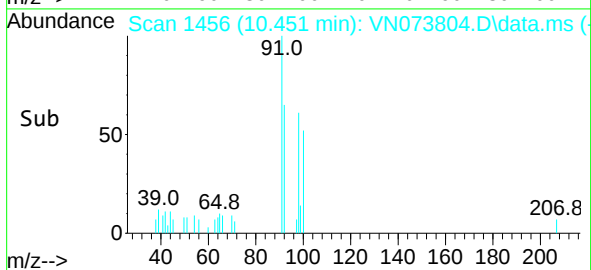
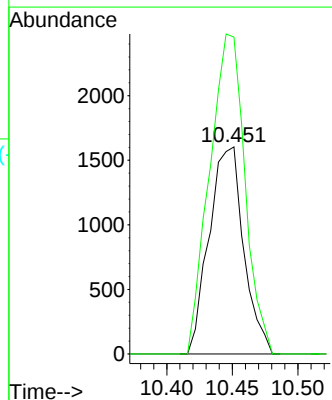
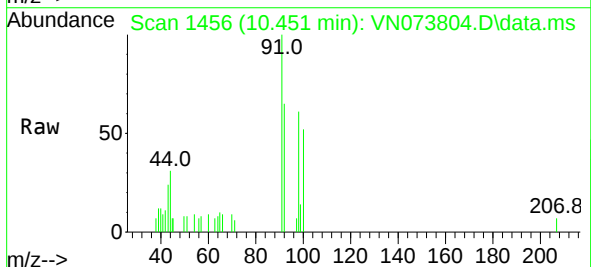
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#03

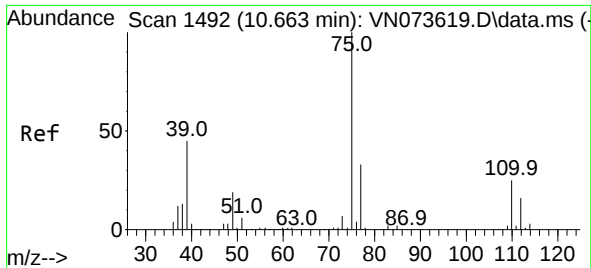
Tgt Ion: 43 Resp: 25317
Ion Ratio Lower Upper
43 100
58 25.9 34.1 51.1#



#52
Toluene
Concen: 0.261 ug/l
RT: 10.451 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

Tgt Ion: 92 Resp: 2941
Ion Ratio Lower Upper
92 100
91 158.0 138.6 207.8

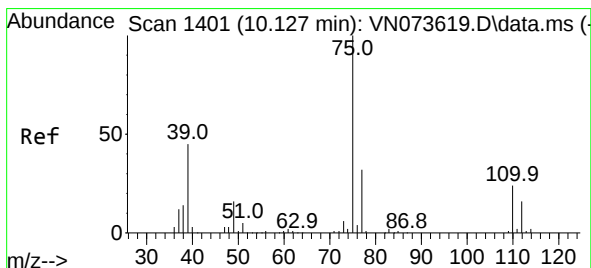
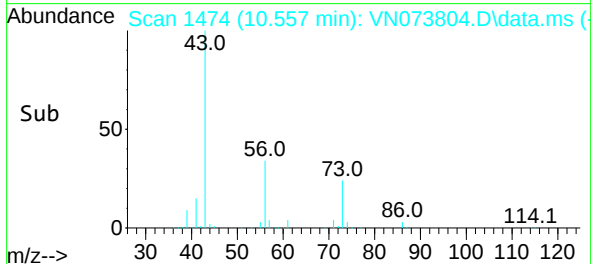
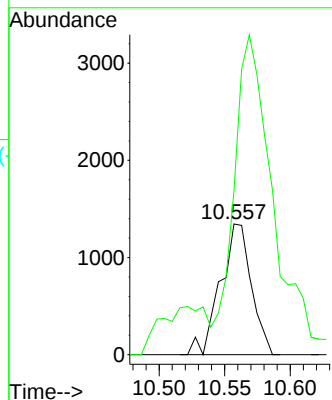
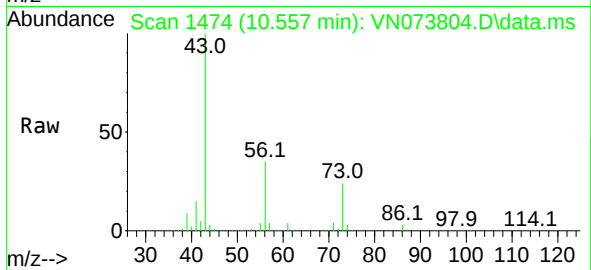




#53
 t-1,3-Dichloropropene
 Concen: 0.362 ug/l
 RT: 10.557 min Scan# 1411
 Delta R.T. -0.106 min
 Lab File: VN073804.D
 Acq: 10 Aug 2022 17:49

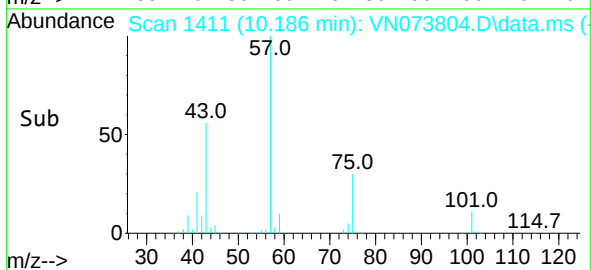
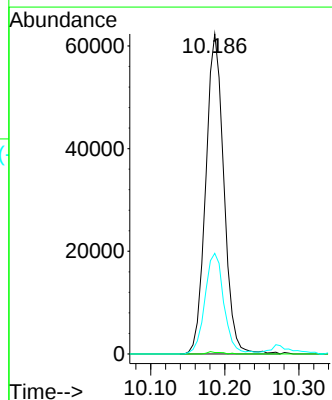
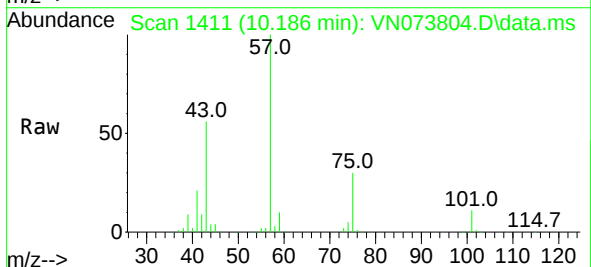
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146860ZHE#03

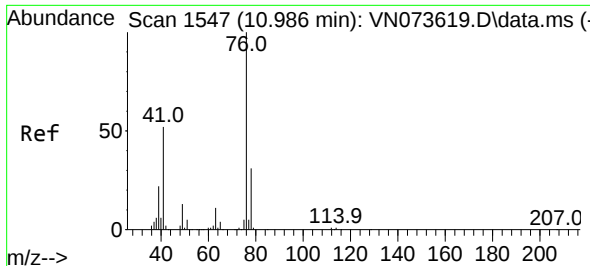
Tgt Ion: 75 Resp: 2199
 Ion Ratio Lower Upper
 75 100
 77 89.4 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 15.436 ug/l
 RT: 10.186 min Scan# 1411
 Delta R.T. 0.059 min
 Lab File: VN073804.D
 Acq: 10 Aug 2022 17:49

Tgt Ion: 75 Resp: 105740
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.2 37.8#
 39 31.5 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.949 ug/l

RT: 11.028 min Scan# 1554

Delta R.T. 0.041 min

Lab File: VN073804.D

Acq: 10 Aug 2022 17:49

Instrument :

MSVOA_N

ClientSampleId :

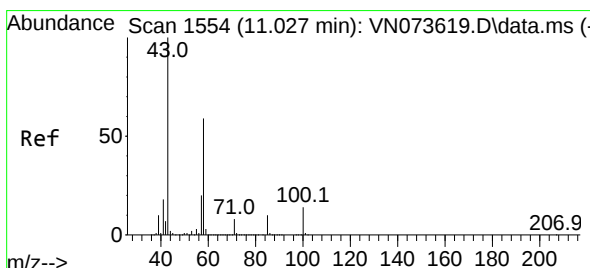
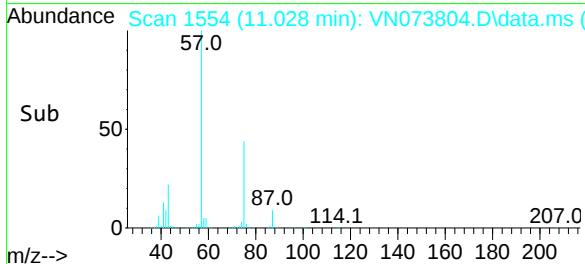
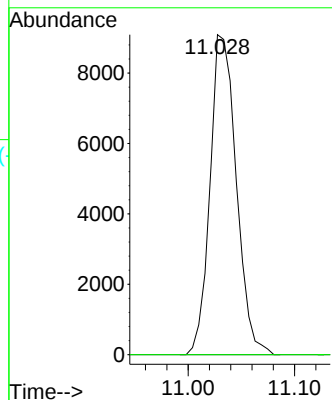
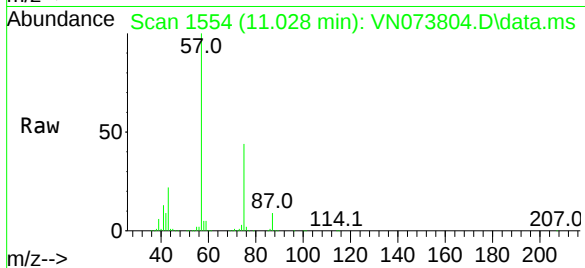
PB146860ZHE#03

Tgt Ion: 76 Resp: 15565

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 36.875 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073804.D

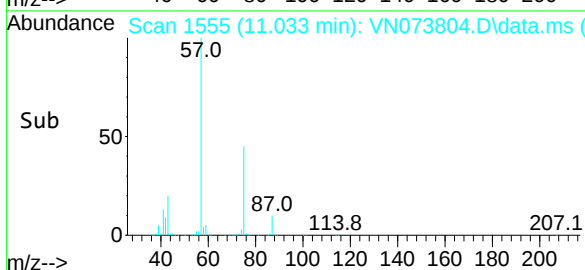
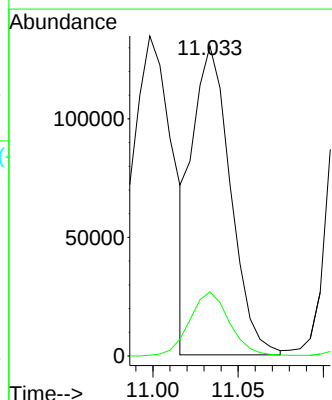
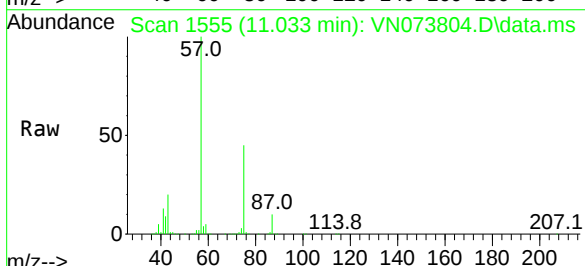
Acq: 10 Aug 2022 17:49

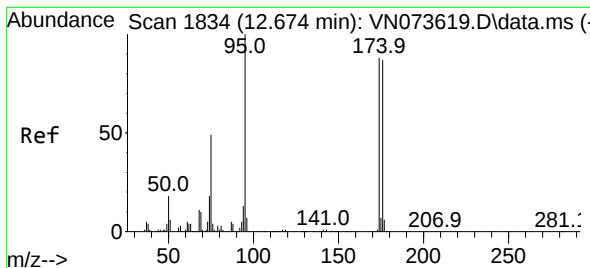
Tgt Ion: 43 Resp: 202862

Ion Ratio Lower Upper

43 100

58 21.9 29.7 89.1#

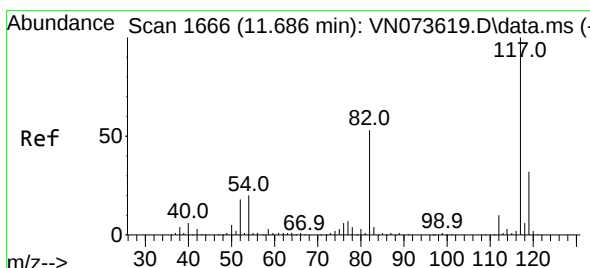
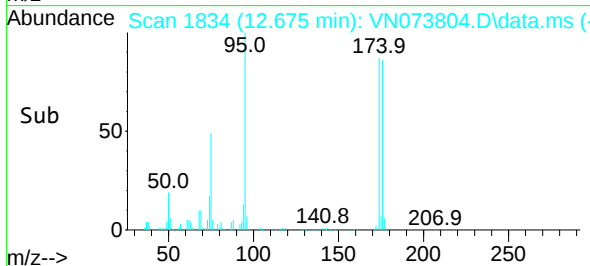
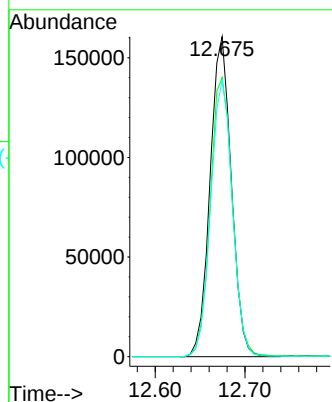
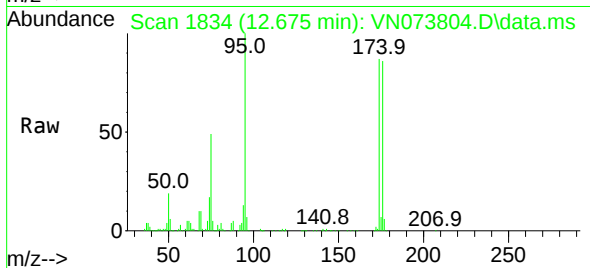




#62
4-Bromofluorobenzene
Concen: 48.049 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

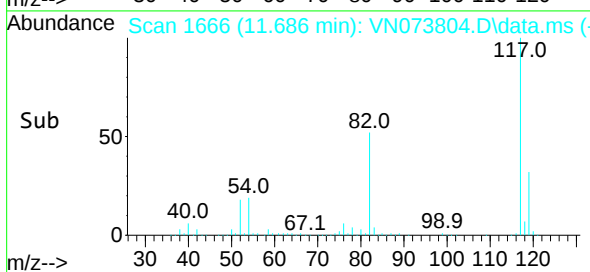
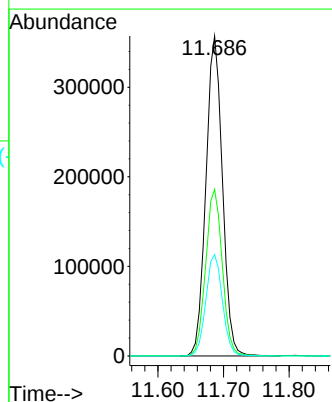
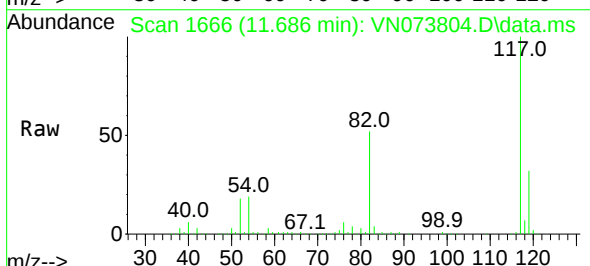
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#03

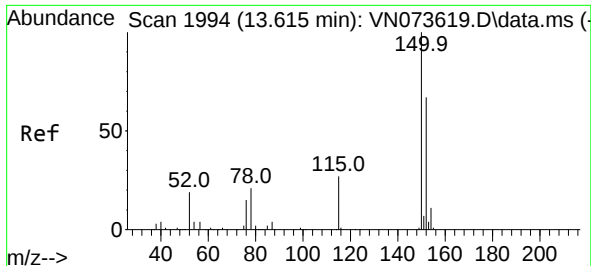
Tgt Ion: 95 Resp: 264424
Ion Ratio Lower Upper
95 100
174 91.1 0.0 167.6
176 87.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

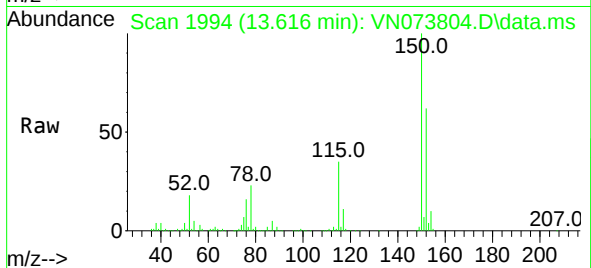
Tgt Ion: 117 Resp: 626482
Ion Ratio Lower Upper
117 100
82 52.1 44.2 66.2
119 31.7 25.4 38.0



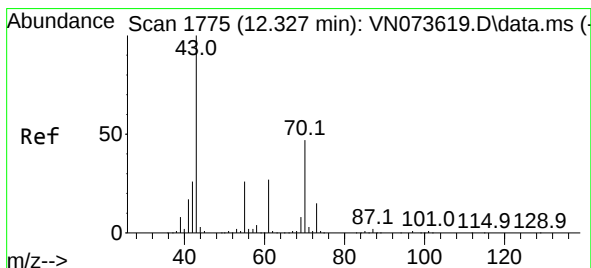
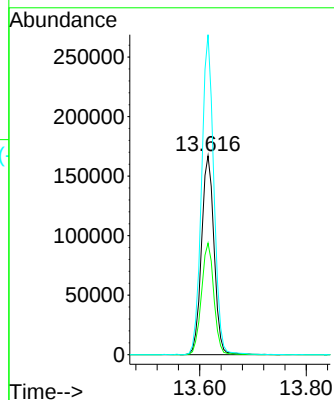
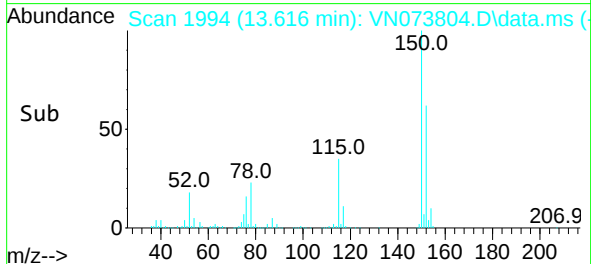


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

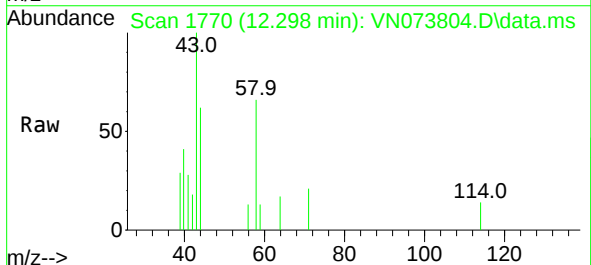
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#03



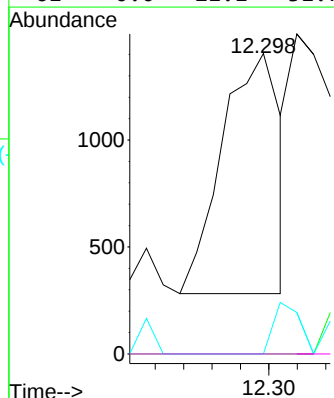
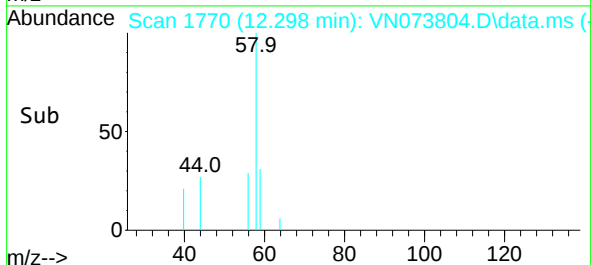
Tgt Ion:152 Resp: 273393
Ion Ratio Lower Upper
152 100
115 55.5 28.9 86.7
150 157.2 0.0 356.2

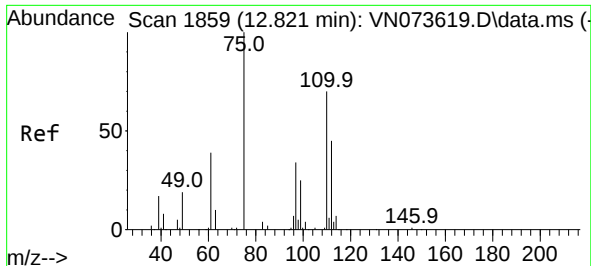


#74
N-ethyl acetate
Concen: 0.211 ug/l
RT: 12.298 min Scan# 1770
Delta R.T. -0.029 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49



Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 9.6 21.1 31.7#
61 0.0 21.1 31.7#

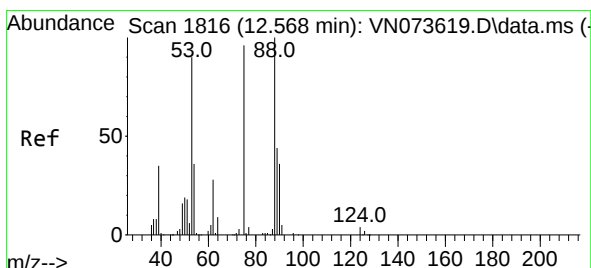
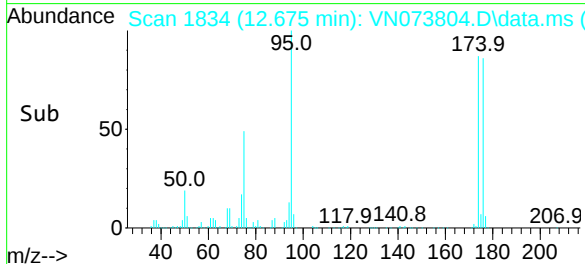
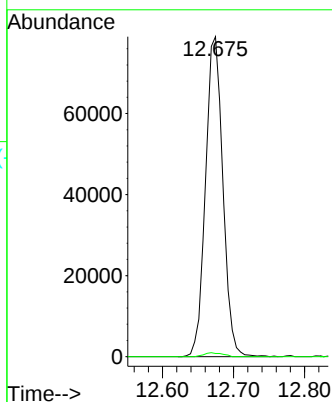
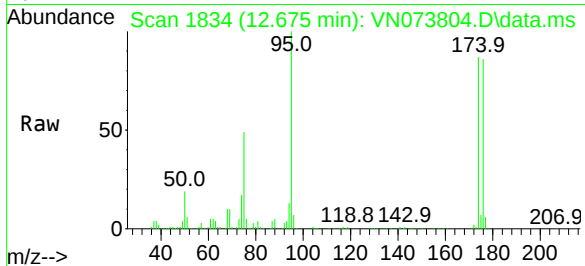




#76
1,2,3-Trichloropropane
Concen: 25.177 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.146 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#03

Tgt Ion: 75 Resp: 134112
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.571 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073804.D
Acq: 10 Aug 2022 17:49

Tgt Ion: 75 Resp: 134112
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

