

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
 Data File : VN073803.D
 Acq On : 10 Aug 2022 17:25
 Operator : JC\MD
 Sample : PB146860ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146860ZHE#02

Quant Time: Aug 10 22:55:23 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)

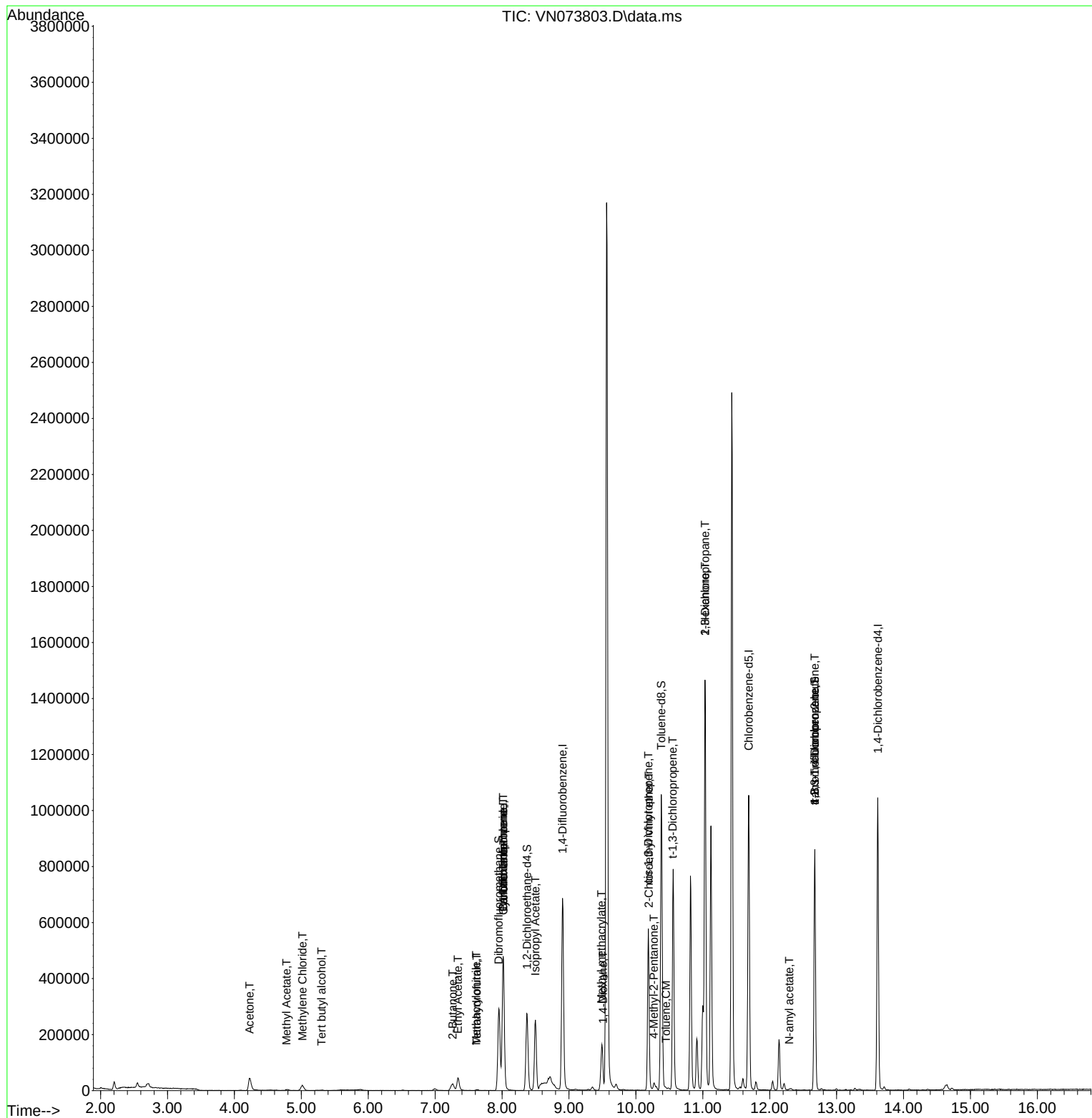
Internal Standards						
1) Pentafluorobenzene	8.016	168	383761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	634968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	632098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	289286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	229510	49.075	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.140%		
35) Dibromofluoromethane	7.951	113	216659	54.339	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.680%		
50) Toluene-d8	10.380	98	733076	46.722	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.440%		
62) 4-Bromofluorobenzene	12.674	95	275004	49.932	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.860%		
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	1046	Below Cal	#	72
6) Chloroethane	2.899	64	426	Below Cal		92
11) Tert butyl alcohol	5.304	59	2741	2.718	ug/l #	77
16) Acetone	4.228	43	83178	33.113	ug/l	99
18) Methyl Acetate	4.781	43	7781	1.245	ug/l	91
20) Methylene Chloride	5.016	84	14919	1.535	ug/l #	89
25) 2-Butanone	7.263	43	26936	6.905	ug/l	95
29) Tetrahydrofuran	7.622	42	2306	0.935	ug/l #	72
31) Cyclohexane	8.022	56	6956	0.999	ug/l #	2
36) 1,1-Dichloropropene	8.016	75	26861	4.727	ug/l #	50
37) Ethyl Acetate	7.339	43	69331	9.264	ug/l	99
38) Carbon Tetrachloride	8.016	117	36241	6.279	ug/l #	17
41) Methacrylonitrile	7.616	41	698	0.206	ug/l #	31
43) Isopropyl Acetate	8.498	43	272845	26.992	ug/l #	92
48) Methyl methacrylate	9.486	41	10488	2.370	ug/l #	38
49) 1,4-Dioxane	9.510	88	201	1.612	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	15086	2.081	ug/l	99
52) Toluene	10.451	92	2404	0.213	ug/l	87
53) t-1,3-Dichloropropene	10.551	75	2411	0.397	ug/l #	77
54) cis-1,3-Dichloropropene	10.186	75	104749	15.314	ug/l #	65
57) 1,3-Dichloropropane	11.033	76	15614	1.958	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.192	63	58	9.958	ug/l #	44
59) 2-Hexanone	11.033	43	203900	37.120	ug/l #	49
74) N-amyl acetate	12.292	43	4766	0.596	ug/l #	44
76) 1,2,3-Trichloropropane	12.674	75	140069	24.806	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	140069	62.748	ug/l #	10

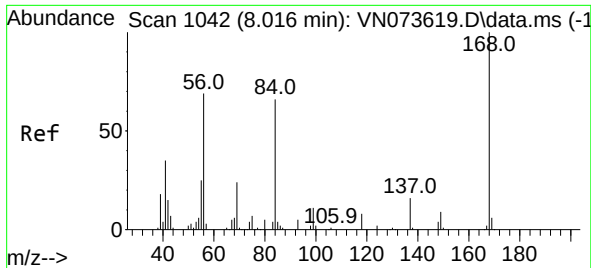
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
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Sample : PB146860ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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Quant Time: Aug 10 22:55:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

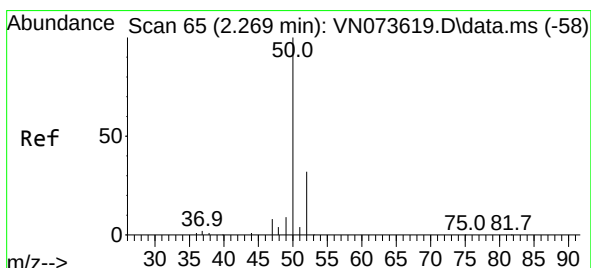
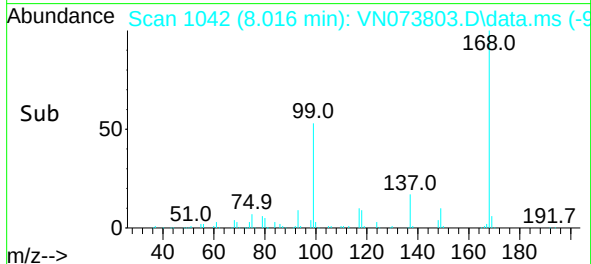
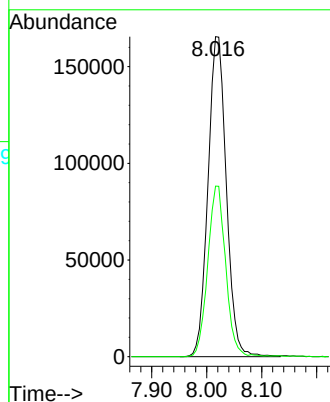
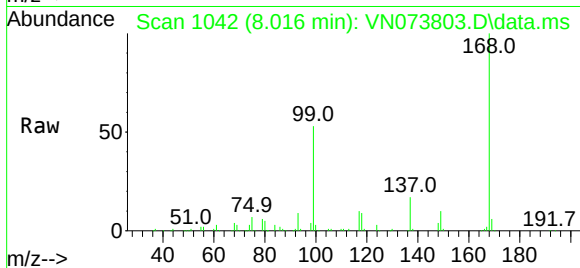




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

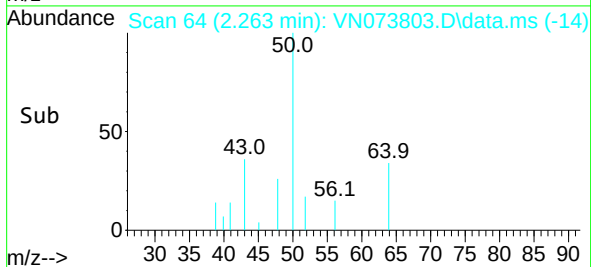
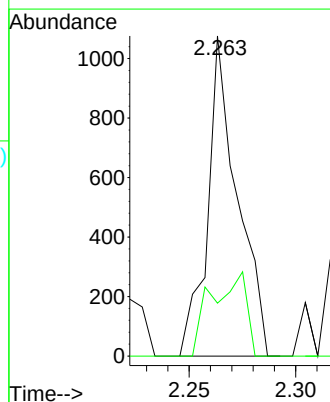
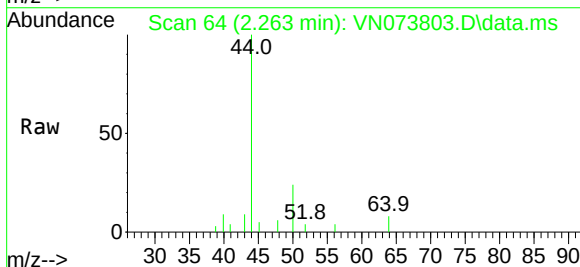
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#02

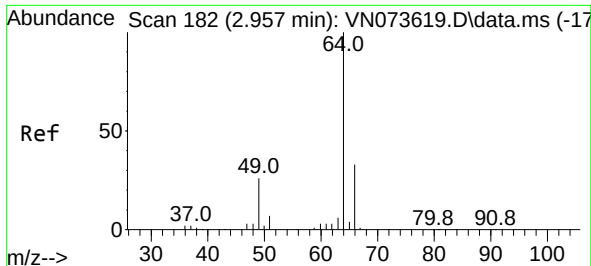
Tgt Ion:168 Resp: 383761
Ion Ratio Lower Upper
168 100
99 53.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

Tgt Ion: 50 Resp: 1046
Ion Ratio Lower Upper
50 100
52 16.5 25.7 38.5#

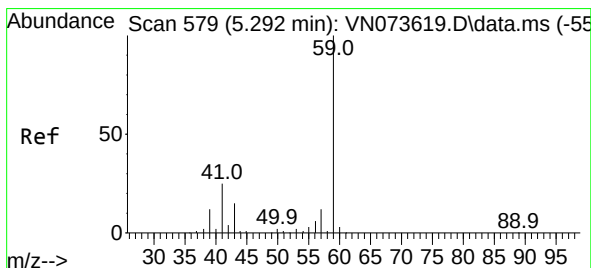
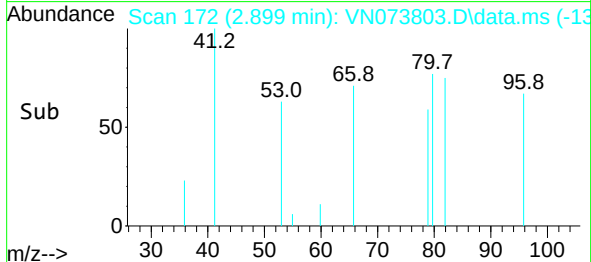
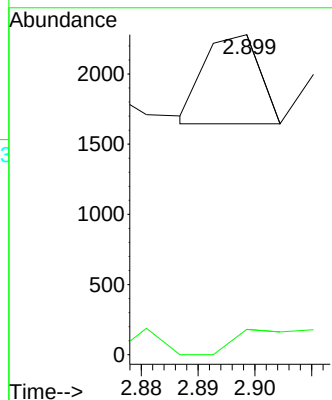
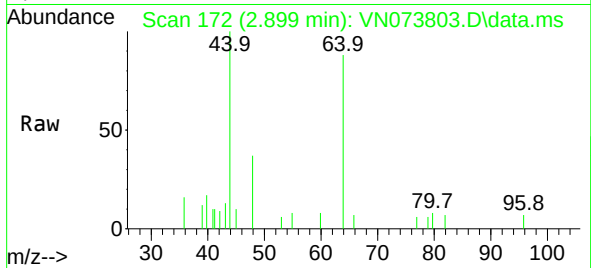




#6
Chloroethane
Concen: Below Cal
RT: 2.899 min Scan# 11
Delta R.T. -0.058 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

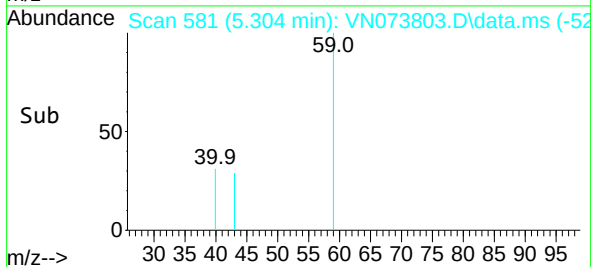
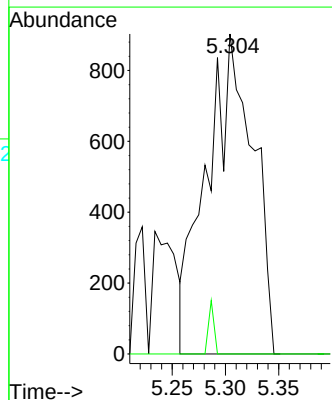
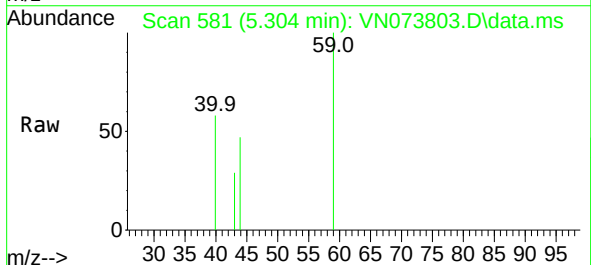
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#02

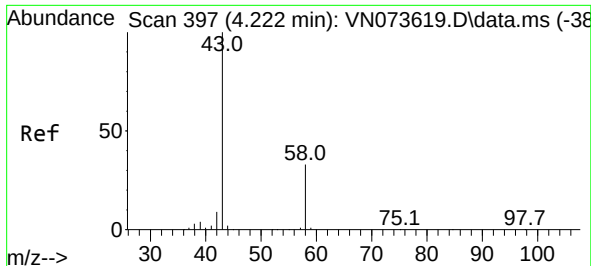
Tgt Ion: 64 Resp: 426
Ion Ratio Lower Upper
64 100
66 28.3 26.2 39.4



#11
Tert butyl alcohol
Concen: 2.718 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.012 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

Tgt Ion: 59 Resp: 2741
Ion Ratio Lower Upper
59 100
57 1.9 8.3 12.5#

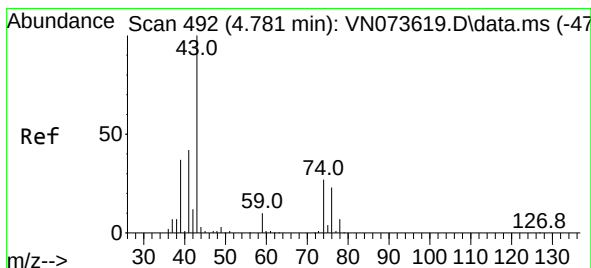
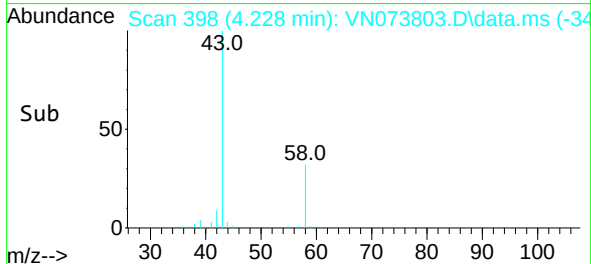
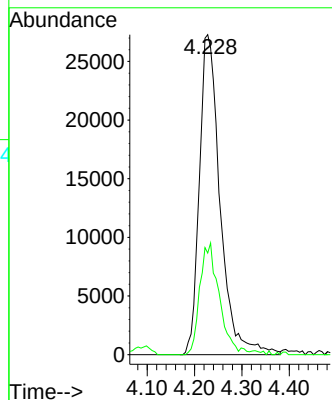
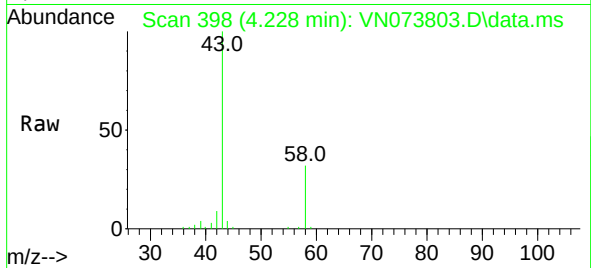




#16
Acetone
Concen: 33.113 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

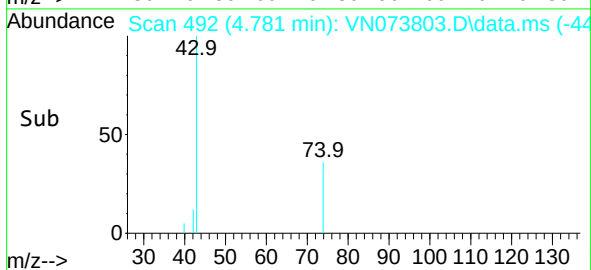
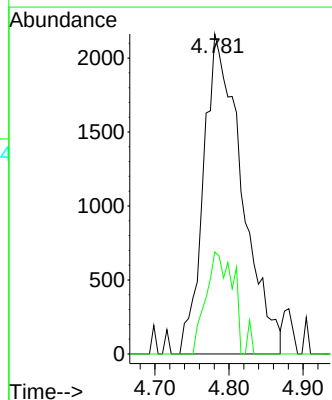
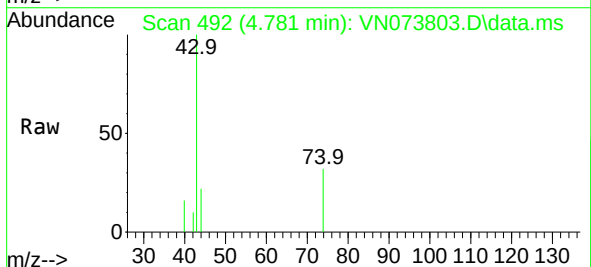
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#02

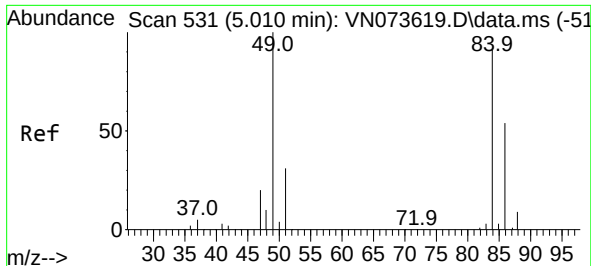
Tgt Ion: 43 Resp: 83178
Ion Ratio Lower Upper
43 100
58 31.8 26.0 39.0



#18
Methyl Acetate
Concen: 1.245 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.000 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

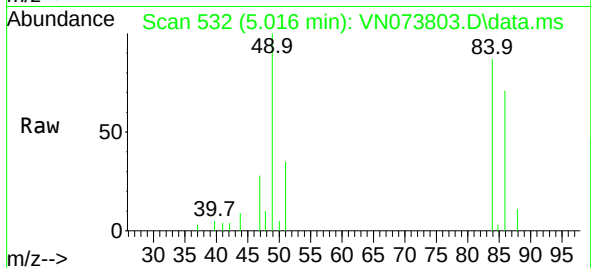
Tgt Ion: 43 Resp: 7781
Ion Ratio Lower Upper
43 100
74 22.2 21.6 32.4



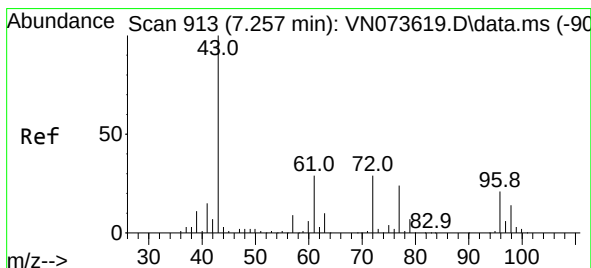
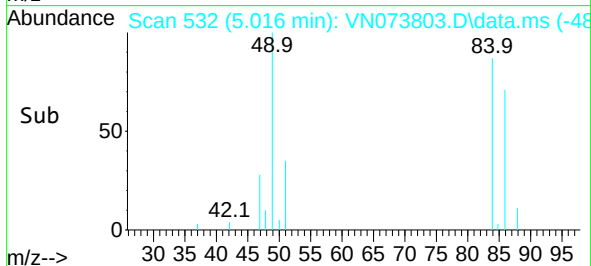
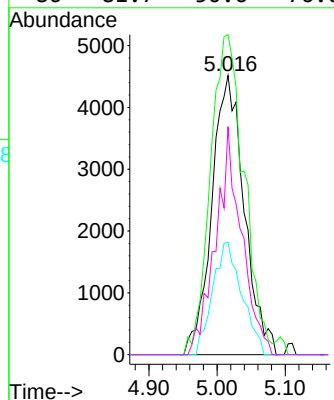


#20
Methylene Chloride
Concen: 1.535 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#02

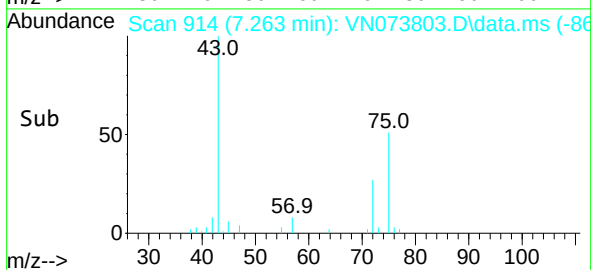
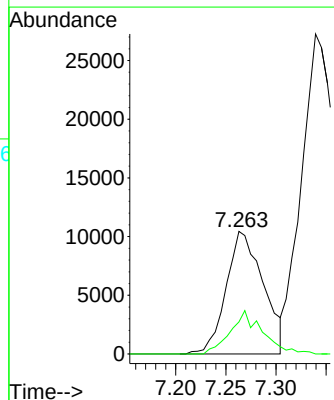
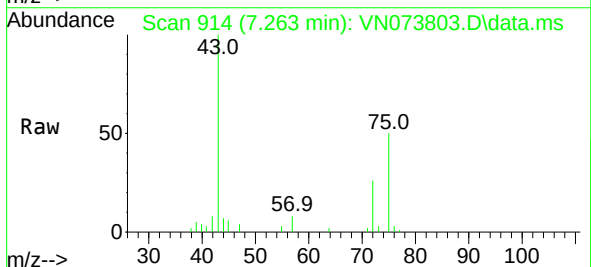


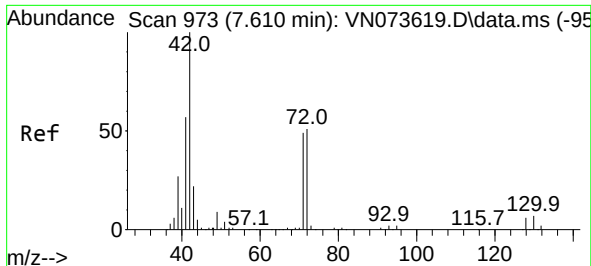
Tgt Ion:	84	Resp:	14919
Ion	Ratio	Lower	Upper
84	100		
49	114.6	88.3	132.5
51	40.3	28.2	42.2
86	81.7	50.6	76.0



#25
2-Butanone
Concen: 6.905 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

Tgt Ion:	43	Resp:	26936
Ion	Ratio	Lower	Upper
43	100		
72	27.1	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.935 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073803.D

Acq: 10 Aug 2022 17:25

Instrument :

MSVOA_N

ClientSampleId :

PB146860ZHE#02

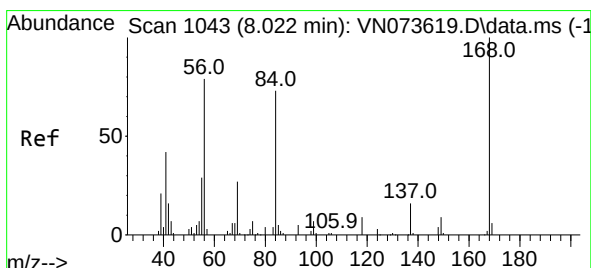
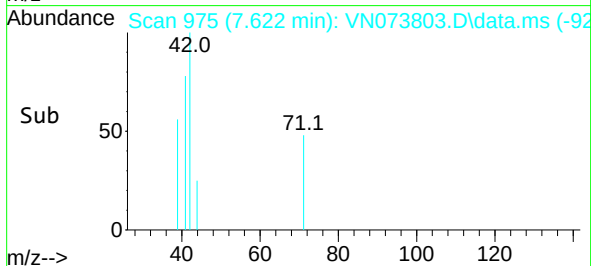
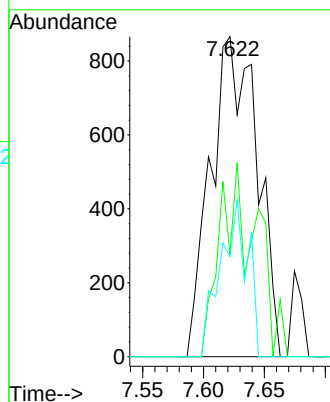
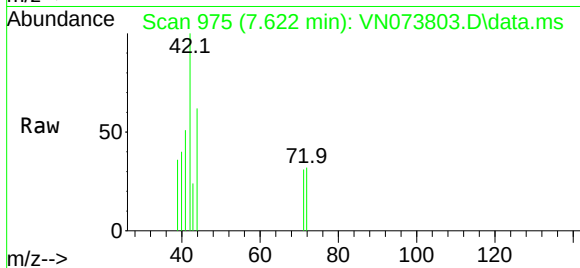
Tgt Ion: 42 Resp: 2306

Ion Ratio Lower Upper

42 100

72 28.6 39.7 59.5#

71 28.8 36.6 55.0#



#31

Cyclohexane

Concen: 0.999 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VN073803.D

Acq: 10 Aug 2022 17:25

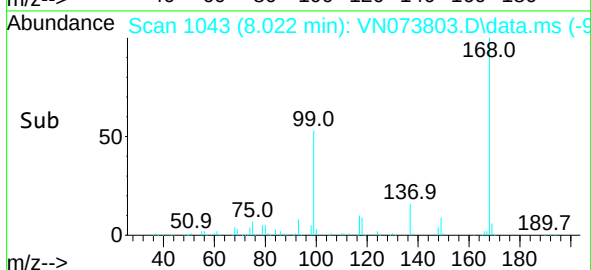
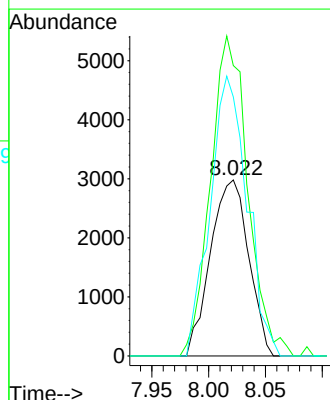
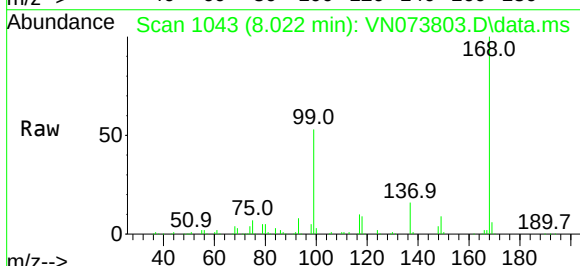
Tgt Ion: 56 Resp: 6956

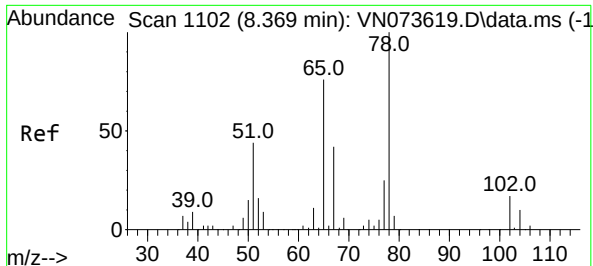
Ion Ratio Lower Upper

56 100

69 164.9 27.8 41.8#

84 147.2 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.075 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073803.D

Acq: 10 Aug 2022 17:25

Instrument :

MSVOA_N

ClientSampleId :

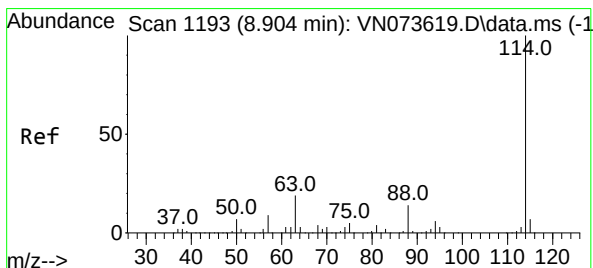
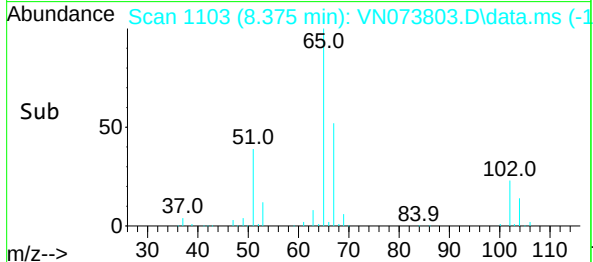
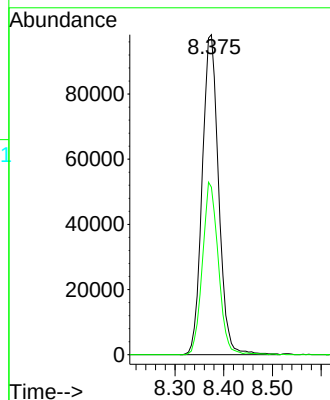
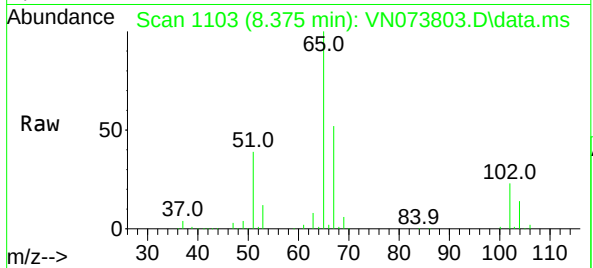
PB146860ZHE#02

Tgt Ion: 65 Resp: 229510

Ion Ratio Lower Upper

65 100

67 52.3 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: VN073803.D

Acq: 10 Aug 2022 17:25

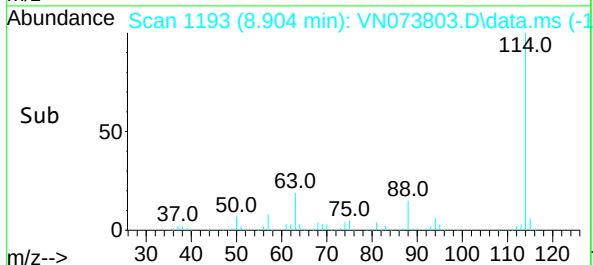
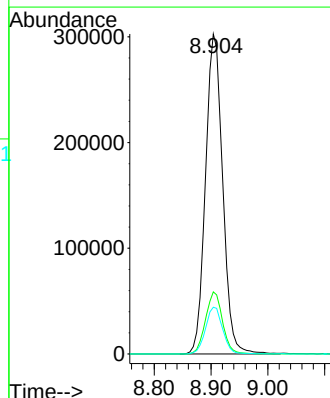
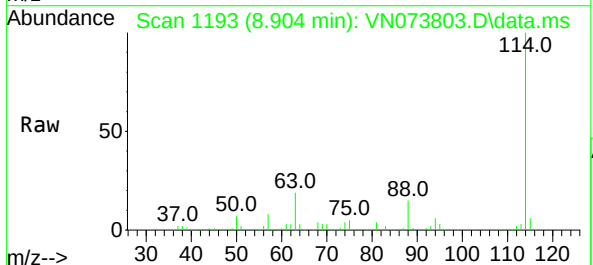
Tgt Ion: 114 Resp: 634968

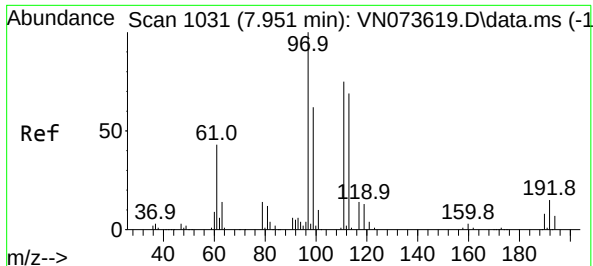
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 14.6 0.0 32.6

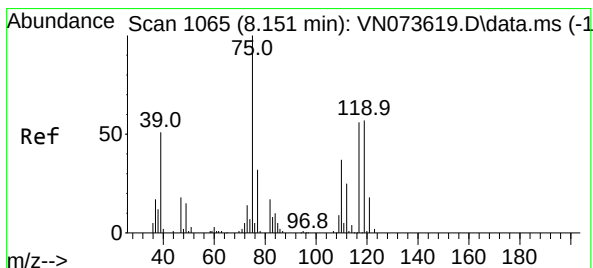
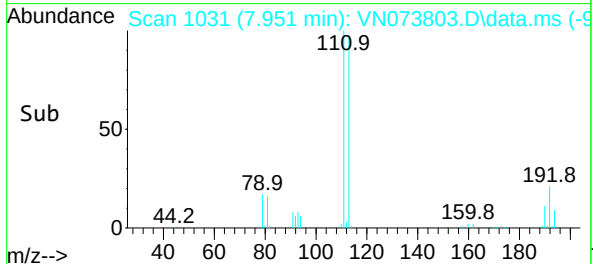
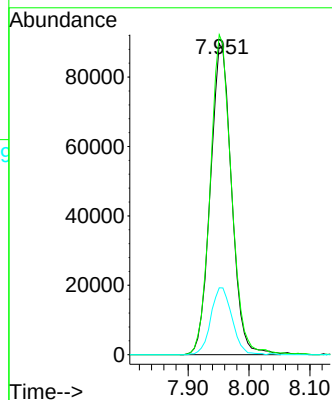
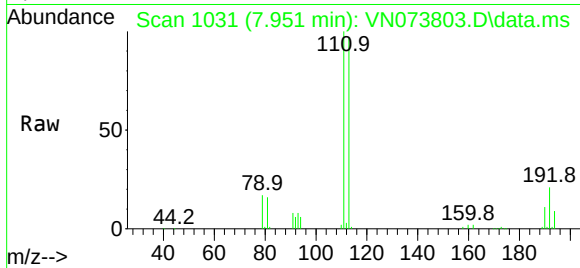




#35
Dibromofluoromethane
Concen: 54.339 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

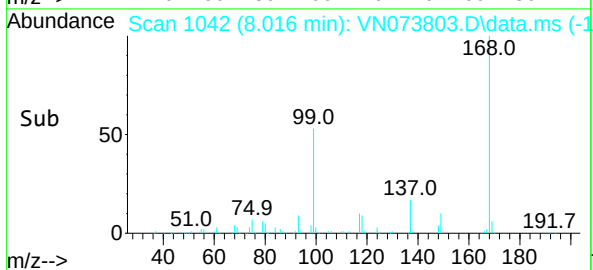
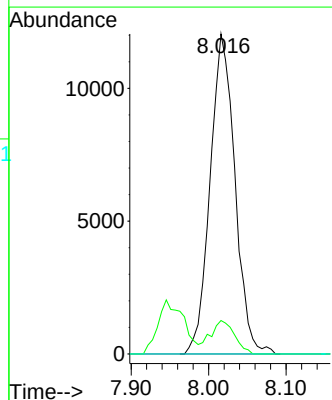
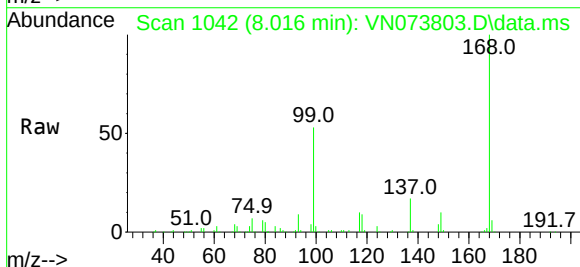
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#02

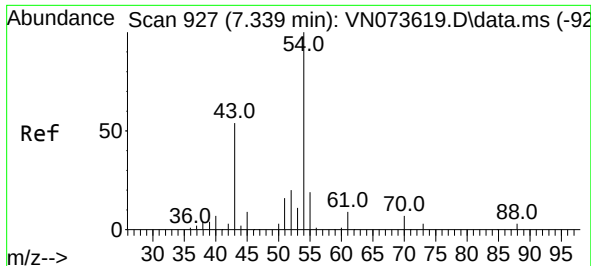
Tgt Ion:113 Resp: 216659
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 21.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.727 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

Tgt Ion: 75 Resp: 26861
Ion Ratio Lower Upper
75 100
110 10.3 18.3 54.8#
77 0.0 25.1 37.7#

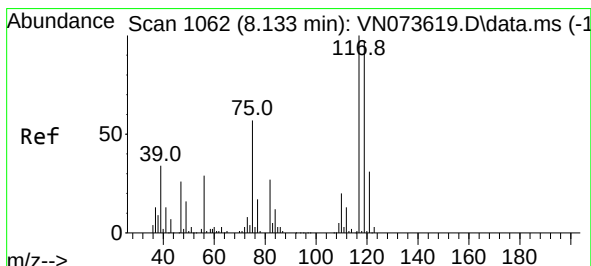
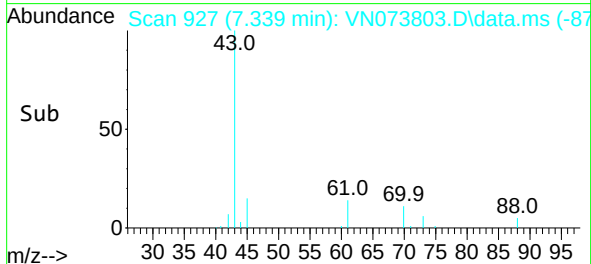
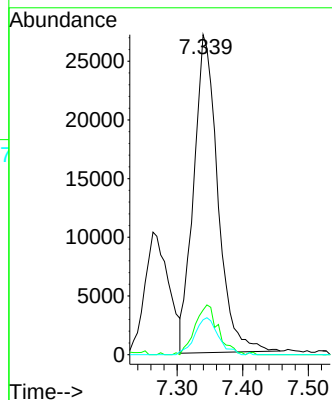
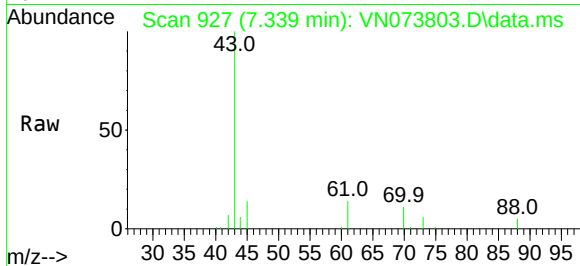




#37
Ethyl Acetate
Concen: 9.264 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

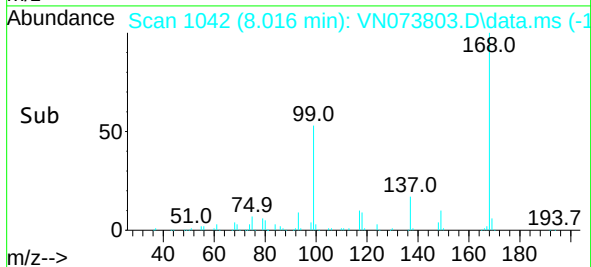
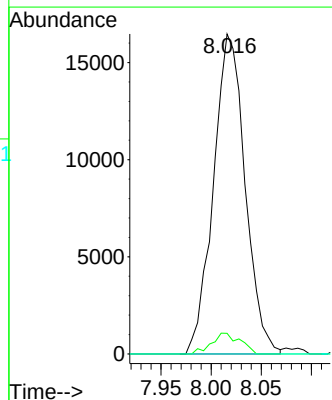
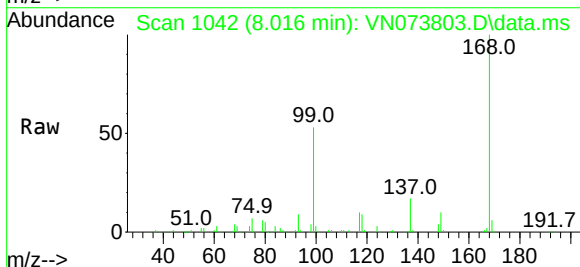
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#02

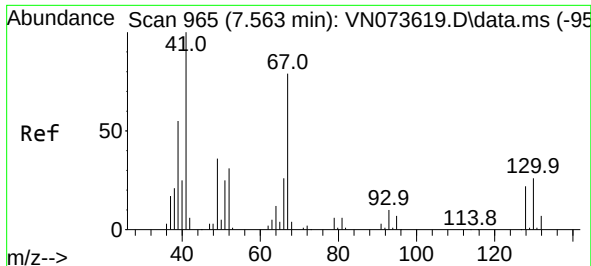
Tgt Ion:	43	Resp:	69331
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	11.3	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.279 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

Tgt Ion:	117	Resp:	36241
Ion	Ratio	Lower	Upper
117	100		
119	6.5	75.8	113.8#
121	0.0	24.6	37.0#

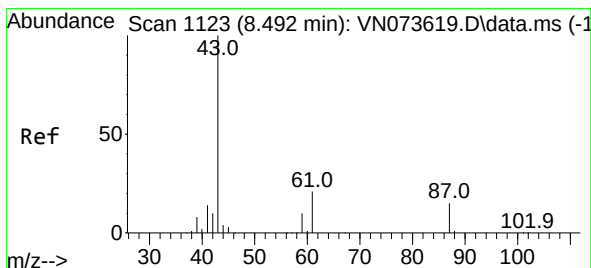
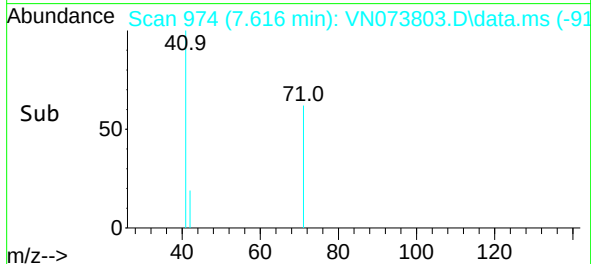
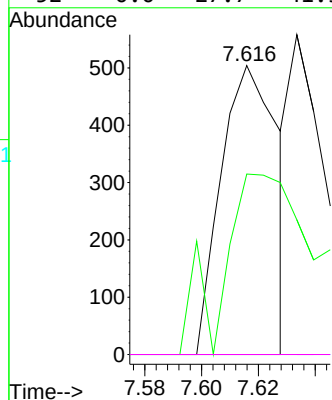
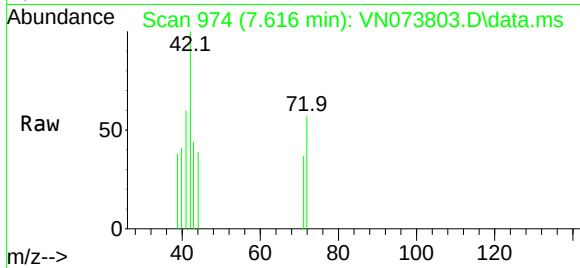




#41
Methacrylonitrile
Concen: 0.206 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.053 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

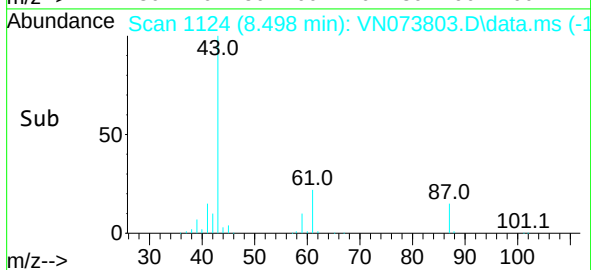
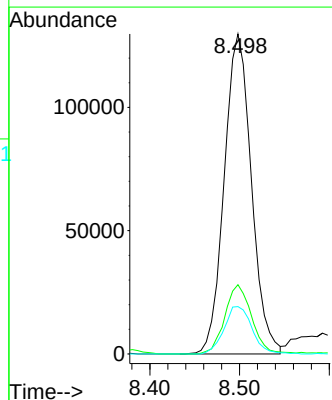
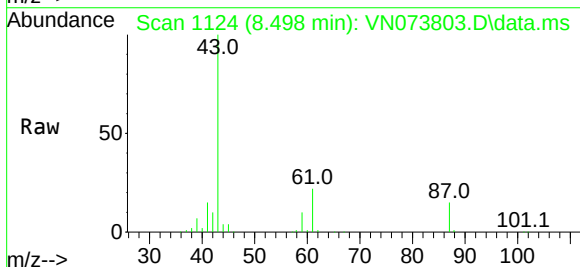
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#02

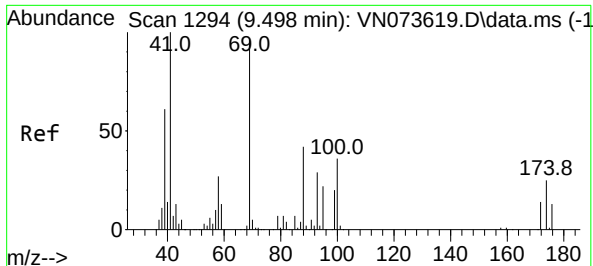
Tgt Ion: 41 Resp: 698
Ion Ratio Lower Upper
41 100
39 87.0 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#43
Isopropyl Acetate
Concen: 26.992 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

Tgt Ion: 43 Resp: 272845
Ion Ratio Lower Upper
43 100
61 21.4 21.9 32.9#
87 15.3 12.0 18.0





#48

Methyl methacrylate

Concen: 2.370 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VN073803.D

Acq: 10 Aug 2022 17:25

Instrument :

MSVOA_N

ClientSampleId :

PB146860ZHE#02

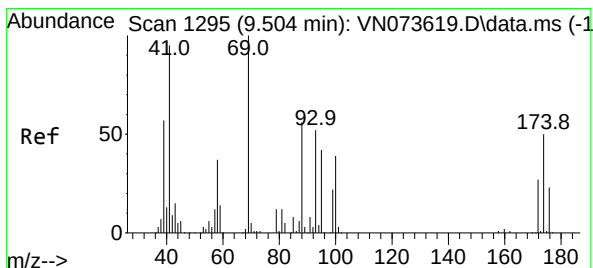
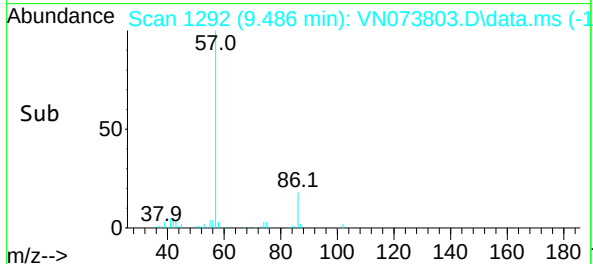
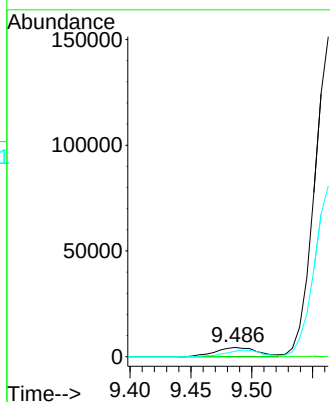
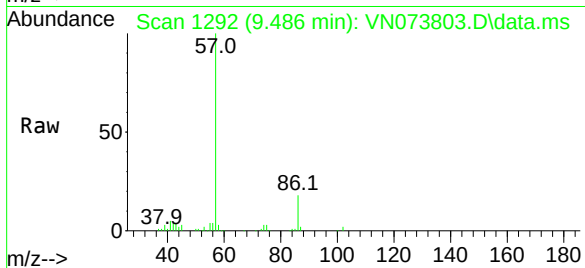
Tgt Ion: 41 Resp: 10488

Ion Ratio Lower Upper

41 100

69 0.5 74.7 112.1#

39 60.6 45.6 68.4



#49

1,4-Dioxane

Concen: 1.612 ug/l

RT: 9.510 min Scan# 1296

Delta R.T. 0.006 min

Lab File: VN073803.D

Acq: 10 Aug 2022 17:25

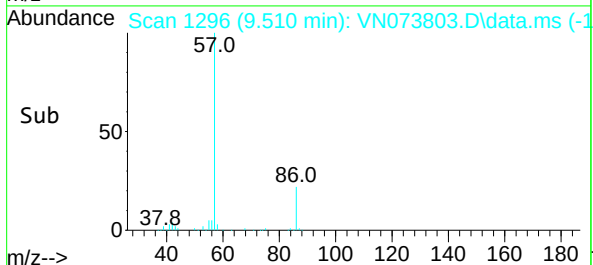
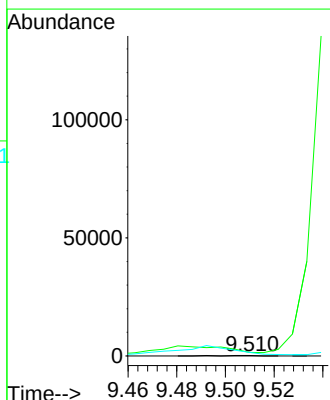
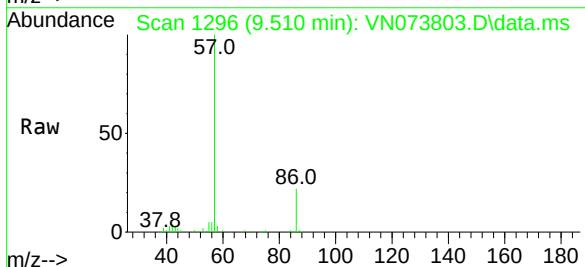
Tgt Ion: 88 Resp: 201

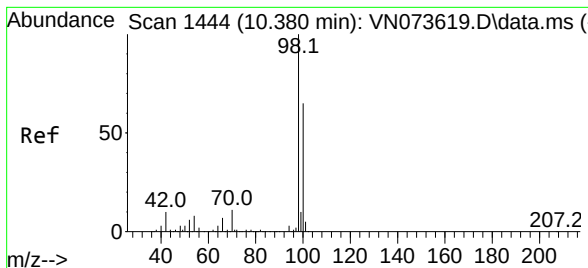
Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 4173.6 54.2 81.4#

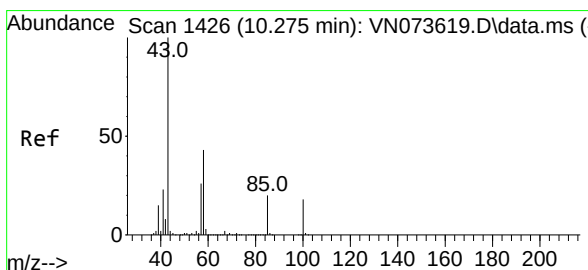
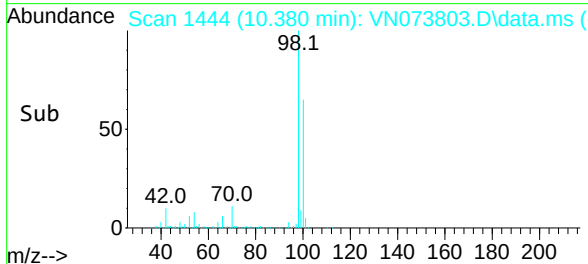
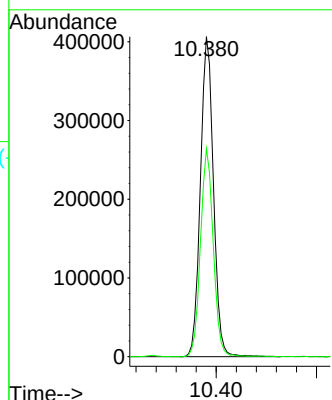
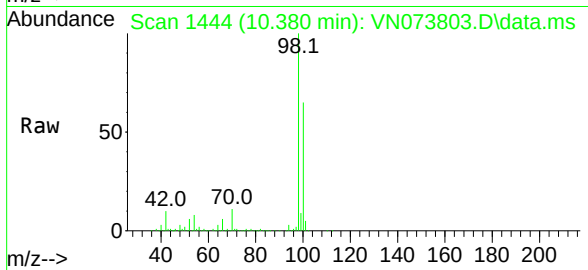




#50
Toluene-d8
Concen: 46.722 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

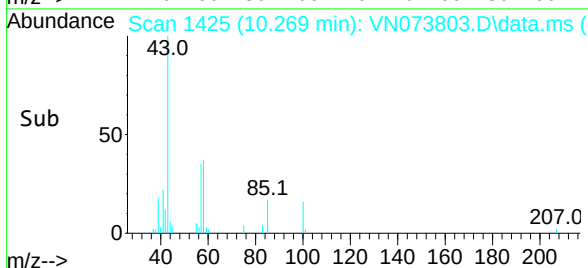
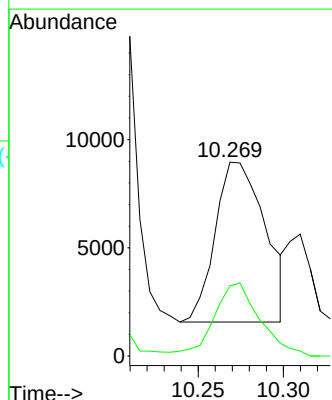
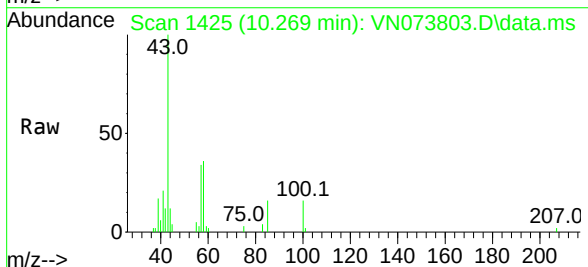
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#02

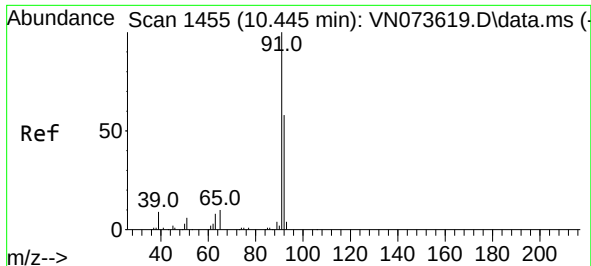
Tgt Ion: 98 Resp: 733076
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.081 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

Tgt Ion: 43 Resp: 15086
Ion Ratio Lower Upper
43 100
58 41.7 34.1 51.1

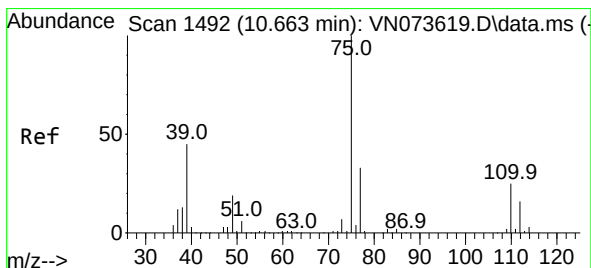
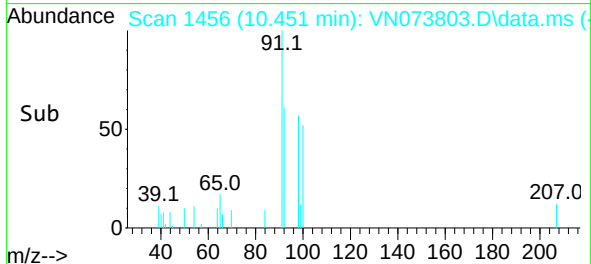
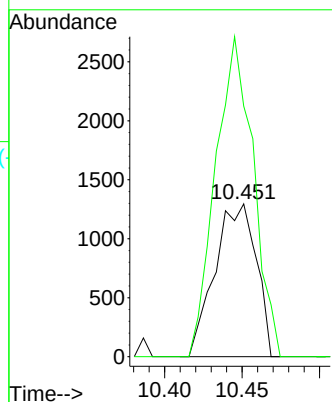
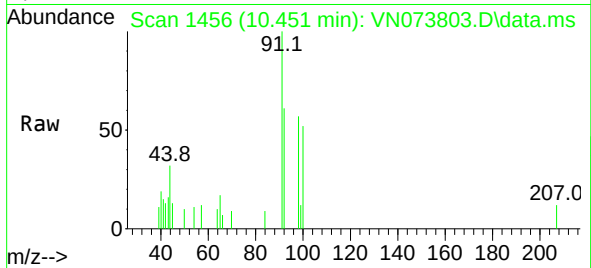




#52
Toluene
Concen: 0.213 ug/l
RT: 10.451 min Scan# 1455
Delta R.T. 0.006 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

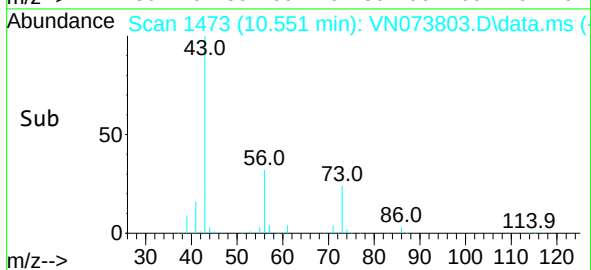
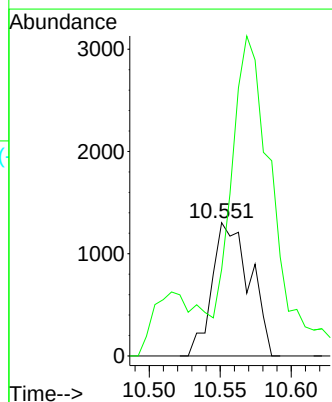
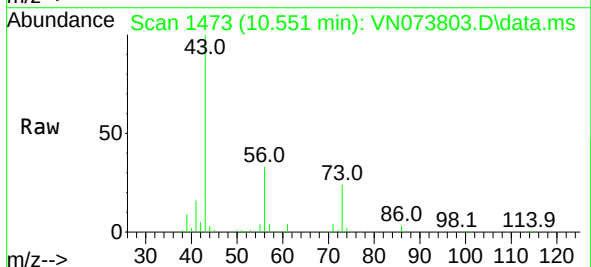
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#02

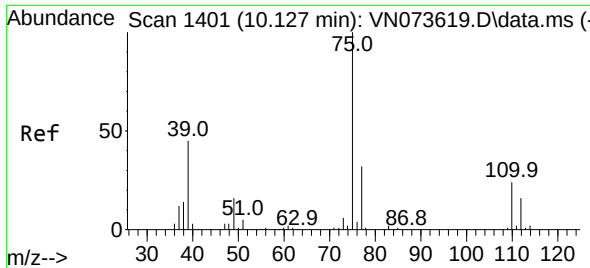
Tgt Ion: 92 Resp: 2404
Ion Ratio Lower Upper
92 100
91 190.8 138.6 207.8



#53
t-1,3-Dichloropropene
Concen: 0.397 ug/l
RT: 10.551 min Scan# 1473
Delta R.T. -0.112 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

Tgt Ion: 75 Resp: 2411
Ion Ratio Lower Upper
75 100
77 19.0 25.6 38.4#

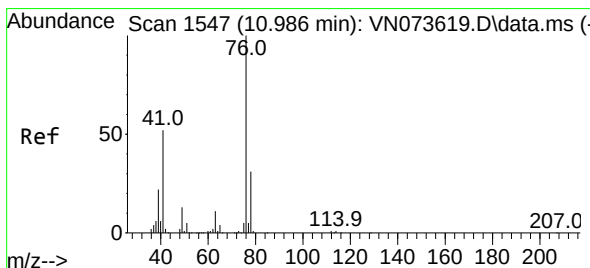
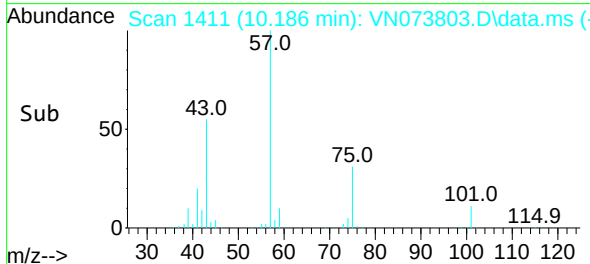
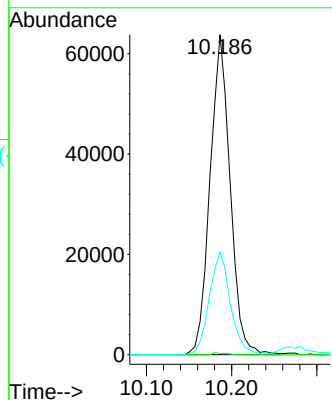
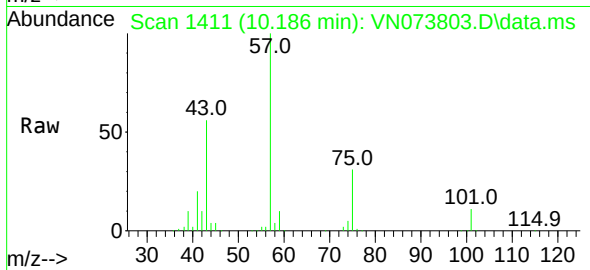




#54
 cis-1,3-Dichloropropene
 Concen: 15.314 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN073803.D
 Acq: 10 Aug 2022 17:25

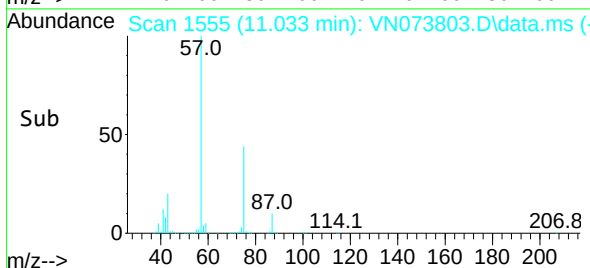
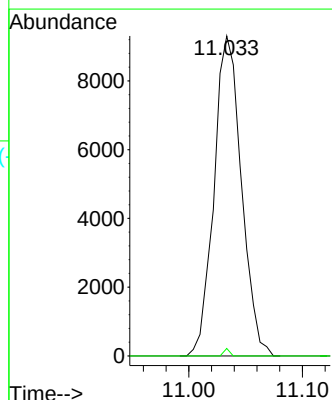
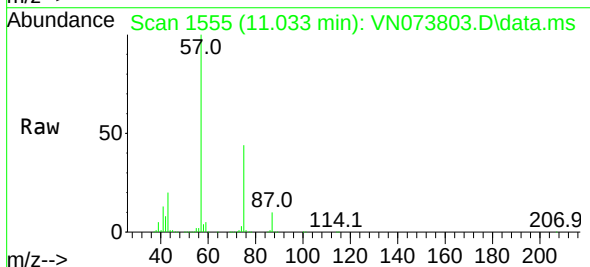
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146860ZHE#02

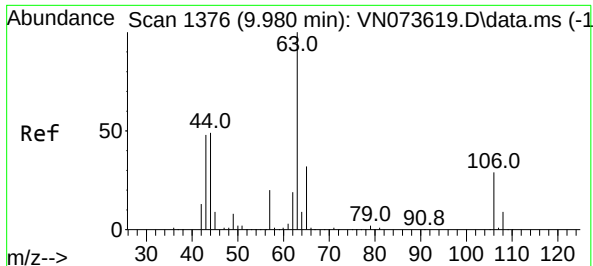
Tgt Ion: 75 Resp: 104749
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.2 37.8#
 39 32.0 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.958 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073803.D
 Acq: 10 Aug 2022 17:25

Tgt Ion: 76 Resp: 15614
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

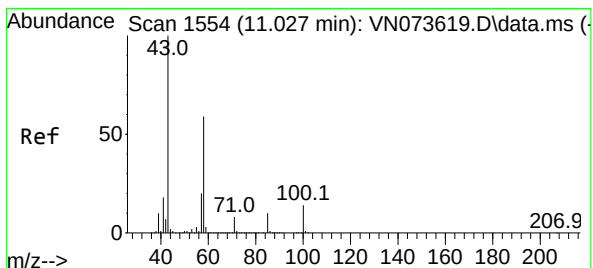
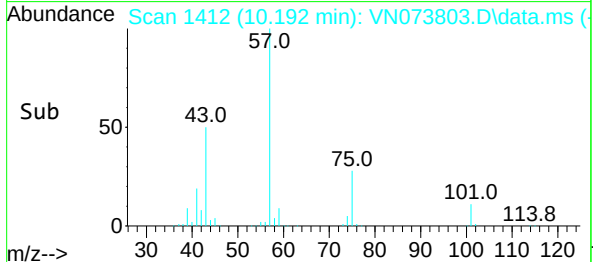
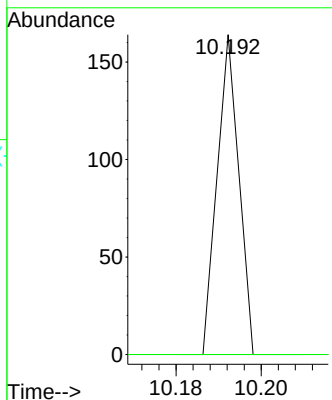
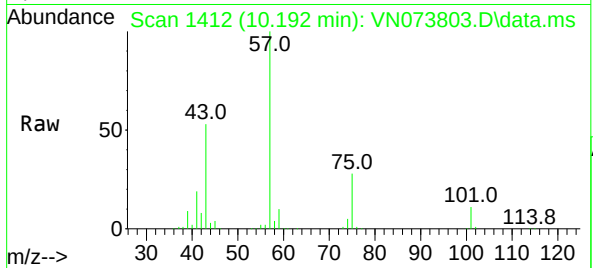




#58
2-Chloroethyl Vinyl ether
Concen: 9.958 ug/l
RT: 10.192 min Scan# 1412
Delta R.T. 0.212 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

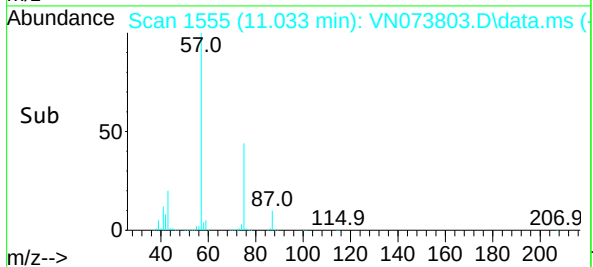
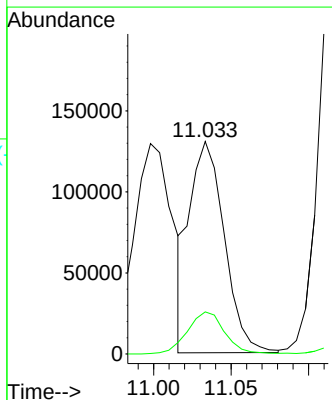
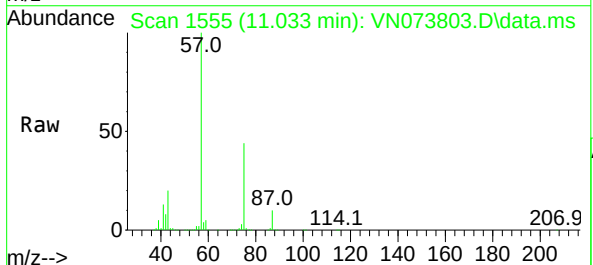
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#02

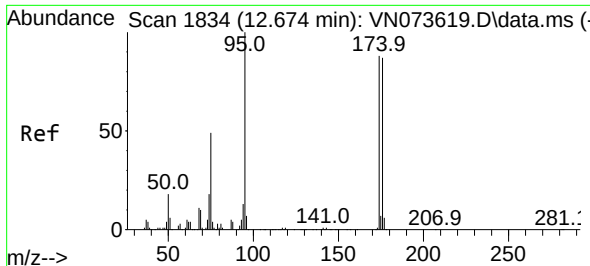
Tgt Ion: 63 Resp: 58
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#59
2-Hexanone
Concen: 37.120 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

Tgt Ion: 43 Resp: 203900
Ion Ratio Lower Upper
43 100
58 21.4 29.7 89.1#

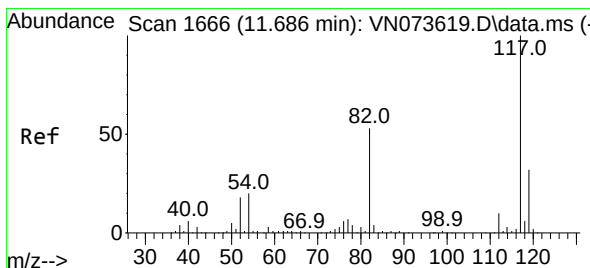
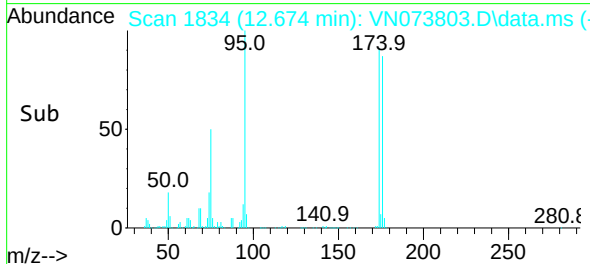
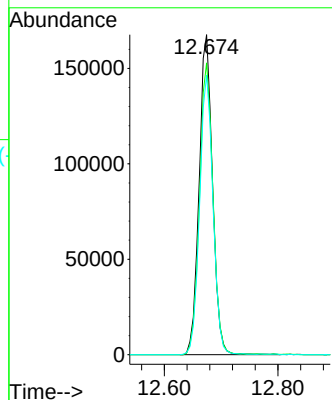
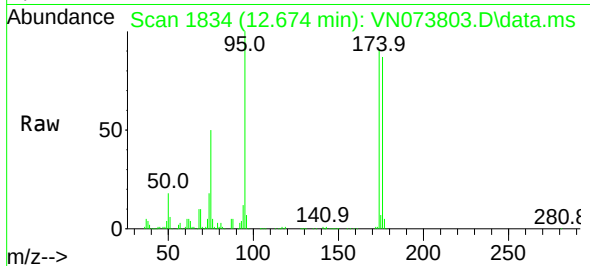




#62
4-Bromofluorobenzene
Concen: 49.932 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

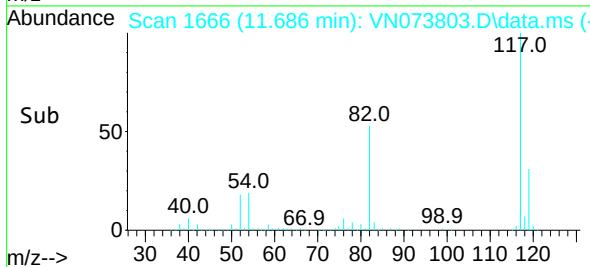
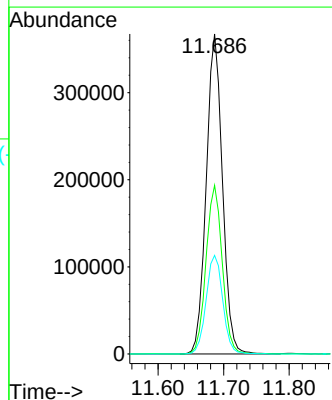
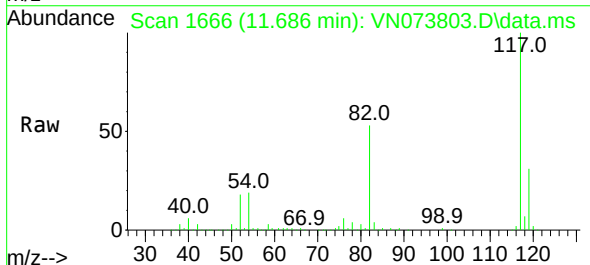
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#02

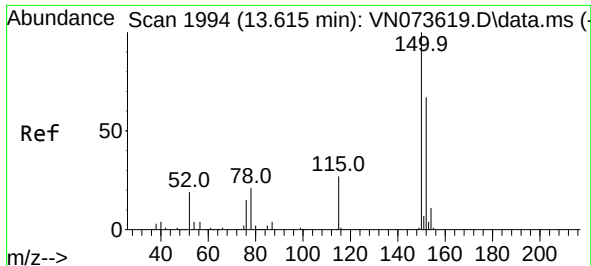
Tgt Ion: 95 Resp: 275004
Ion Ratio Lower Upper
95 100
174 91.8 0.0 167.6
176 87.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

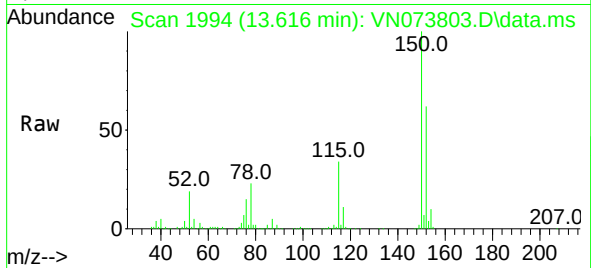
Tgt Ion: 117 Resp: 632098
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 30.8 25.4 38.0



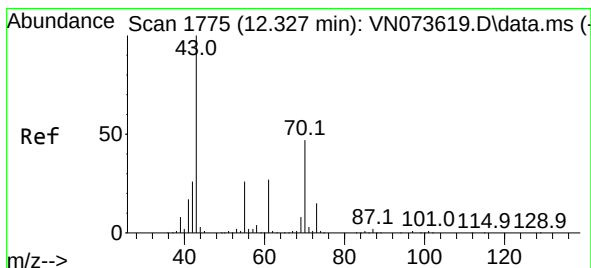
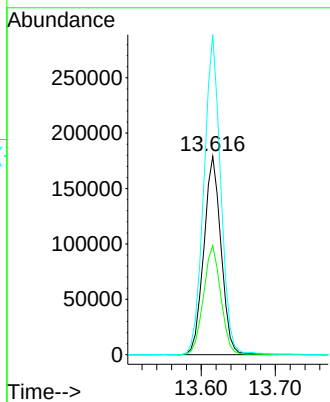
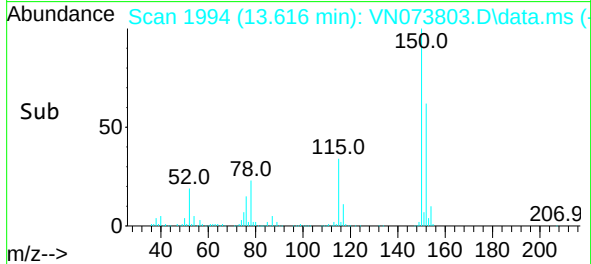


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

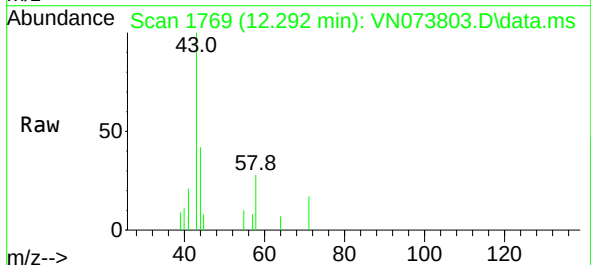
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#02



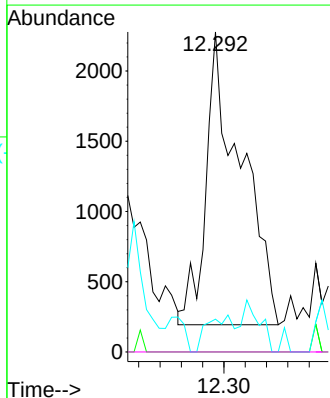
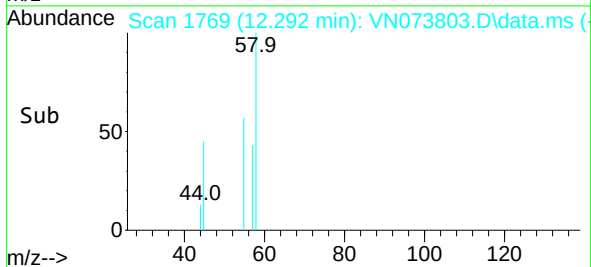
Tgt Ion:152 Resp: 289286
Ion Ratio Lower Upper
152 100
115 55.3 28.9 86.7
150 157.6 0.0 356.2

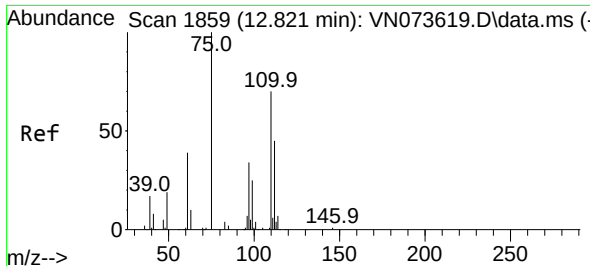


#74
N-ethyl acetate
Concen: 0.596 ug/l
RT: 12.292 min Scan# 1769
Delta R.T. -0.035 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25



Tgt Ion: 43 Resp: 4766
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 9.3 21.1 31.7#
61 0.0 21.1 31.7#

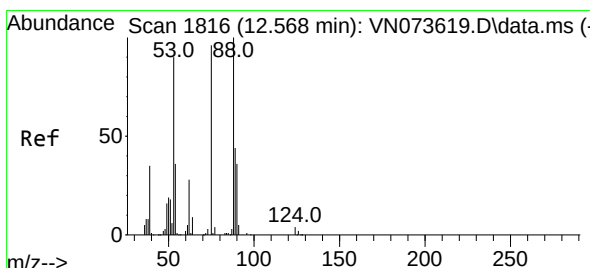
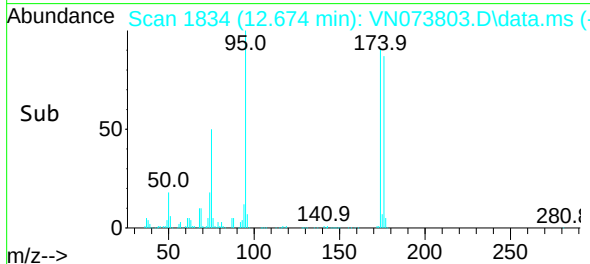
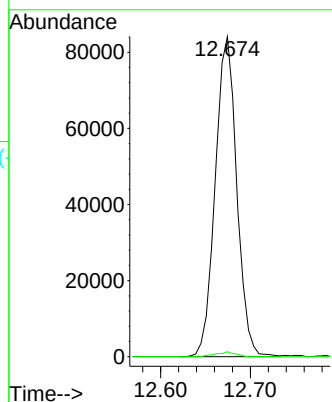
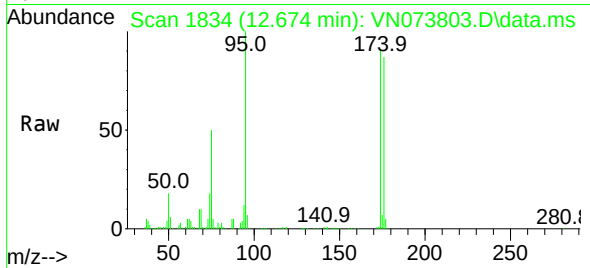




#76
1,2,3-Trichloropropane
Concen: 24.806 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#02

Tgt Ion: 75 Resp: 140069
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.748 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073803.D
Acq: 10 Aug 2022 17:25

Tgt Ion: 75 Resp: 140069
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

