

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073946.D
 Acq On : 16 Aug 2022 14:08
 Operator : JC\MD
 Sample : PB146976ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#02

Quant Time: Aug 17 01:13:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

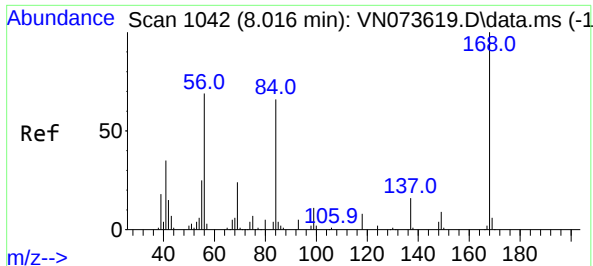
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.016	168	633972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	932526	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	910338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	490048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	299258	48.464	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.920%		
35) Dibromofluoromethane	7.951	113	291199	52.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.600%		
50) Toluene-d8	10.381	98	997966	46.724	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.440%		
62) 4-Bromofluorobenzene	12.675	95	421051	59.399	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	118.800%		
Target Compounds					Qvalue	
6) Chloroethane	2.934	64	1184	0.234	ug/l #	42
11) Tert butyl alcohol	5.287	59	1023	0.741	ug/l #	72
16) Acetone	4.228	43	59861	20.548	ug/l	94
18) Methyl Acetate	4.793	43	8711	Below Cal		94
20) Methylene Chloride	5.016	84	30151	4.905	ug/l	98
25) 2-Butanone	7.263	43	13198	2.857	ug/l	98
26) 2,2-Dichloropropane	7.234	77	1955	0.213	ug/l #	53
29) Tetrahydrofuran	7.622	42	2230	0.753	ug/l #	73
31) Cyclohexane	8.016	56	9836	1.143	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	39910	5.210	ug/l #	50
37) Ethyl Acetate	7.340	43	79028	8.516	ug/l	99
38) Carbon Tetrachloride	8.016	117	53966	6.164	ug/l #	17
41) Methacrylonitrile	7.616	41	1452	0.346	ug/l #	25
43) Isopropyl Acetate	8.492	43	345216	26.113	ug/l #	91
48) Methyl methacrylate	9.487	41	10661	1.885	ug/l #	39
49) 1,4-Dioxane	9.498	88	123	0.731	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	15536	1.738	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	2696	0.305	ug/l #	73
54) cis-1,3-Dichloropropene	10.186	75	132730	13.729	ug/l #	61
57) 1,3-Dichloropropane	11.033	76	18612	1.775	ug/l #	42
59) 2-Hexanone	11.033	43	215504	31.329	ug/l #	49
71) Bromoform	12.669	173	2040	0.312	ug/l #	1
74) N-amyl acetate	12.322	43	3124	0.232	ug/l #	49
76) 1,2,3-Trichloropropane	12.675	75	211222	20.737	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	211222	58.981	ug/l #	10

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

Quant Time: Aug 17 01:13:49 2022
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Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration

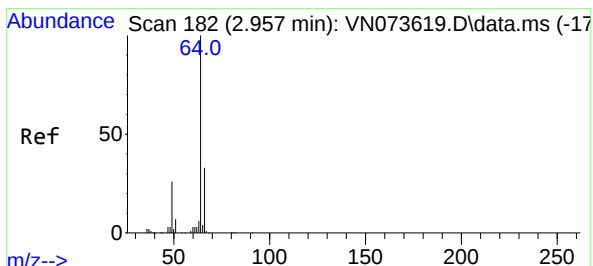
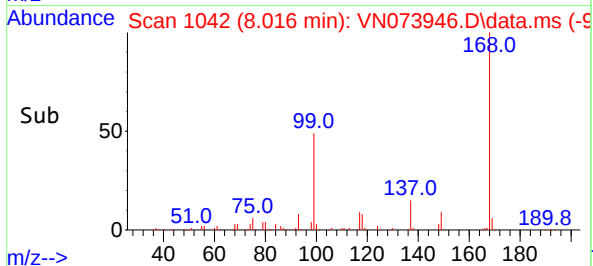
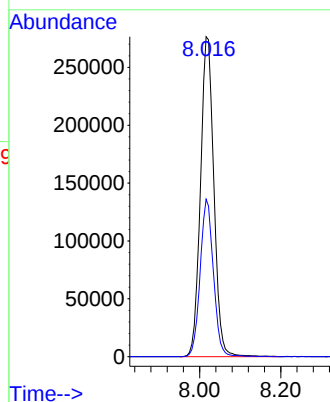
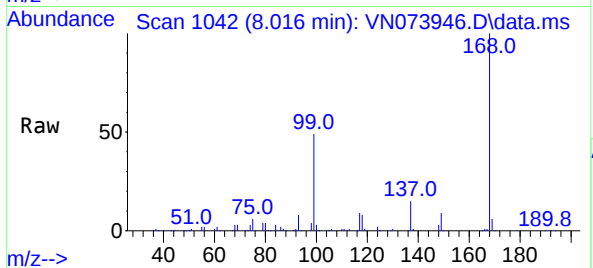




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

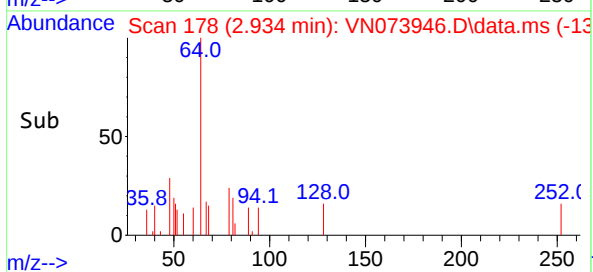
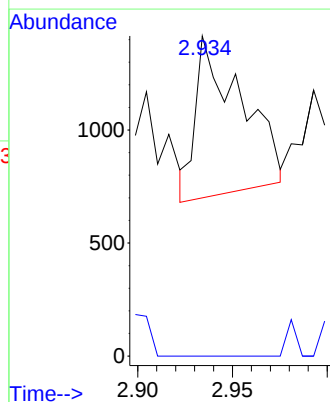
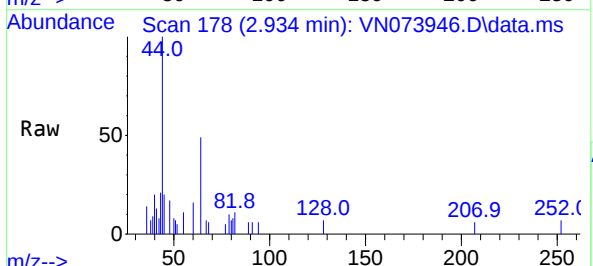
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#02

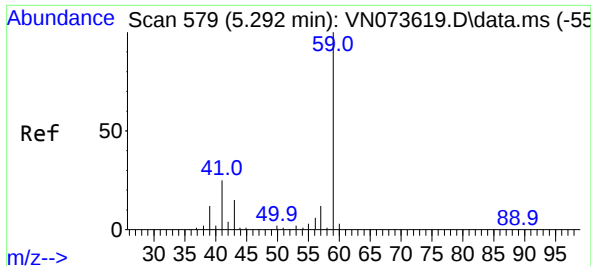
Tgt Ion:168 Resp: 633972
Ion Ratio Lower Upper
168 100
99 49.2 42.3 63.5



#6
Chloroethane
Concen: 0.234 ug/l
RT: 2.934 min Scan# 178
Delta R.T. -0.023 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

Tgt Ion: 64 Resp: 1184
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

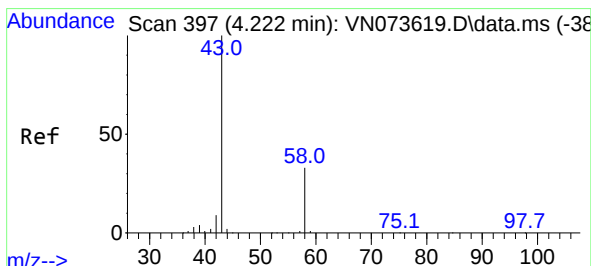
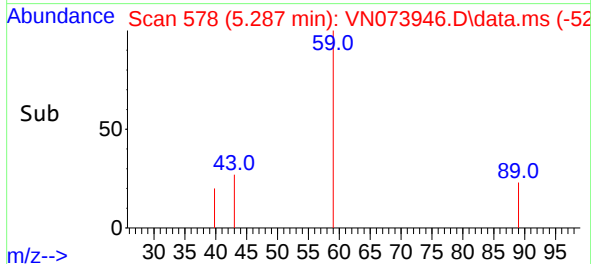
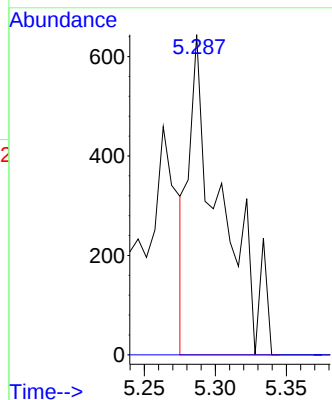
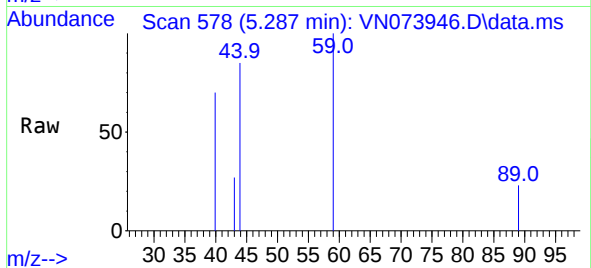




#11
Tert butyl alcohol
Concen: 0.741 ug/l
RT: 5.287 min Scan# 51
Delta R.T. -0.005 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

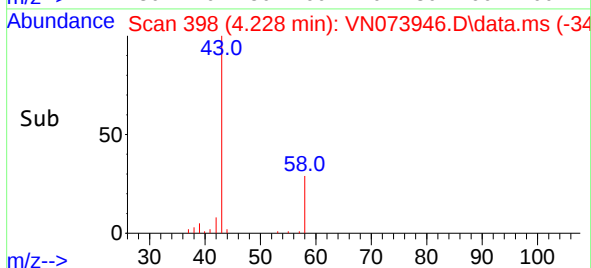
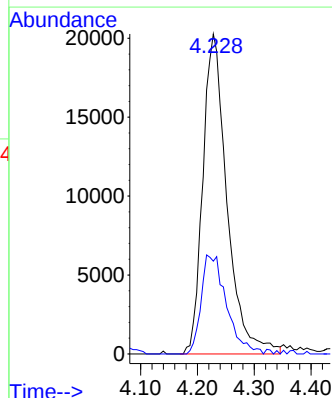
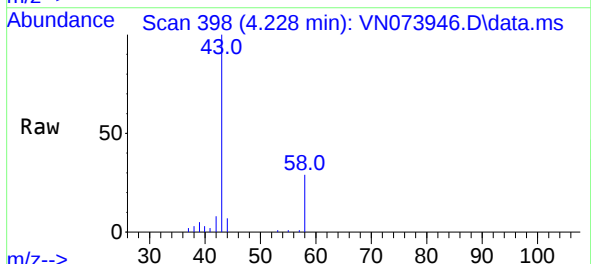
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#02

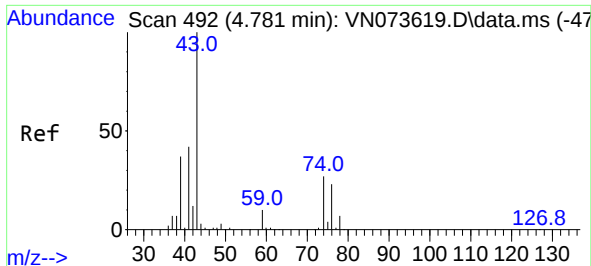
Tgt Ion: 59 Resp: 1023
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 20.548 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

Tgt Ion: 43 Resp: 59861
Ion Ratio Lower Upper
43 100
58 29.0 26.0 39.0

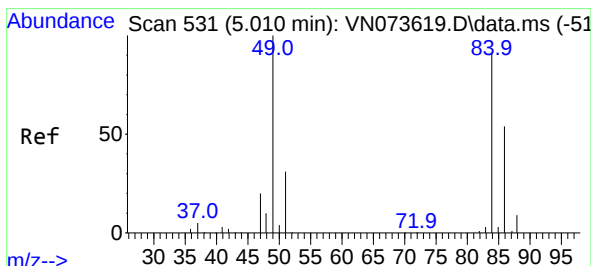
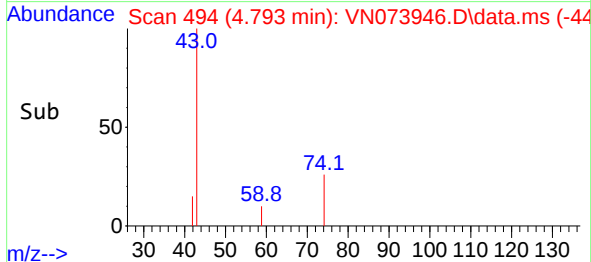
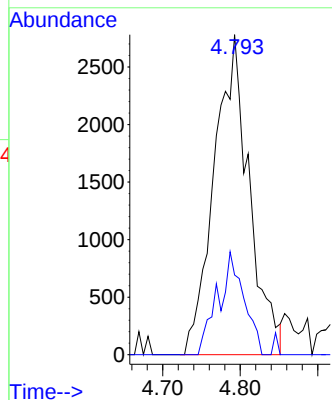
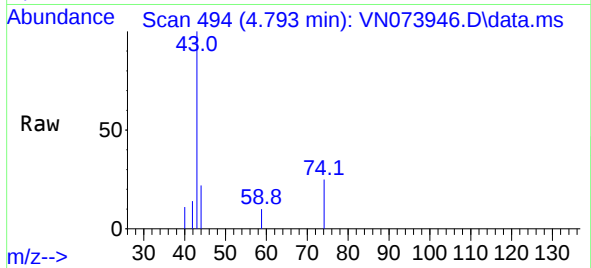




#18
Methyl Acetate
Concen: Below Cal
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

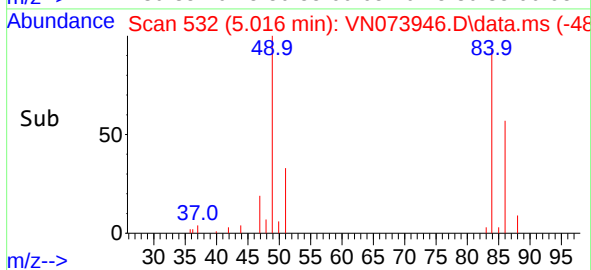
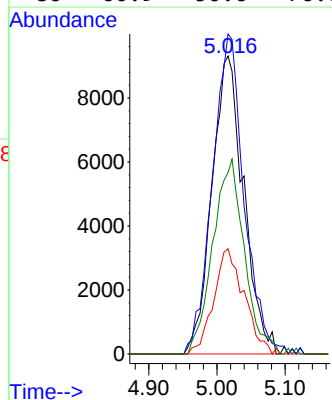
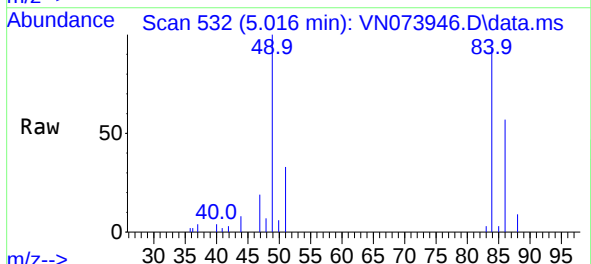
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#02

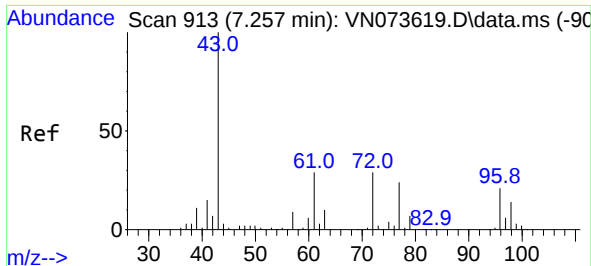
Tgt Ion: 43 Resp: 8711
Ion Ratio Lower Upper
43 100
74 24.0 21.6 32.4



#20
Methylene Chloride
Concen: 4.905 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

Tgt Ion: 84 Resp: 30151
Ion Ratio Lower Upper
84 100
49 107.4 88.3 132.5
51 35.3 28.2 42.2
86 60.9 50.6 76.0





#25

2-Butanone

Concen: 2.857 ug/l

RT: 7.263 min Scan# 913

Delta R.T. 0.006 min

Lab File: VN073946.D

Acq: 16 Aug 2022 14:08

Instrument :

MSVOA_N

ClientSampleId :

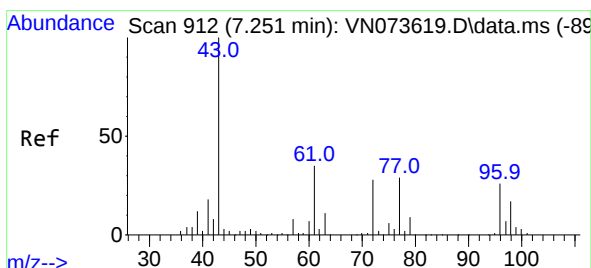
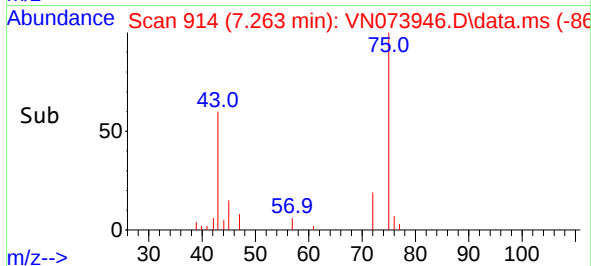
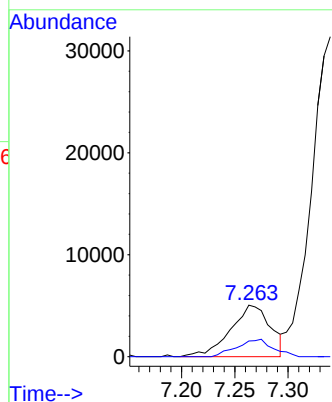
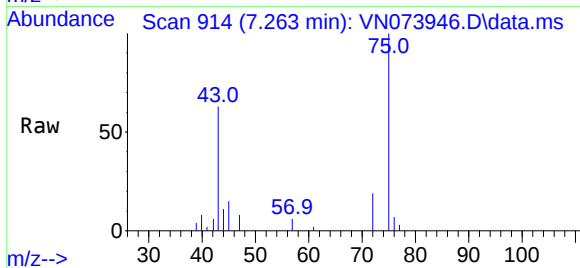
PB146976ZHE#02

Tgt Ion: 43 Resp: 13198

Ion Ratio Lower Upper

43 100

72 30.5 23.7 35.5



#26

2,2-Dichloropropane

Concen: 0.213 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.017 min

Lab File: VN073946.D

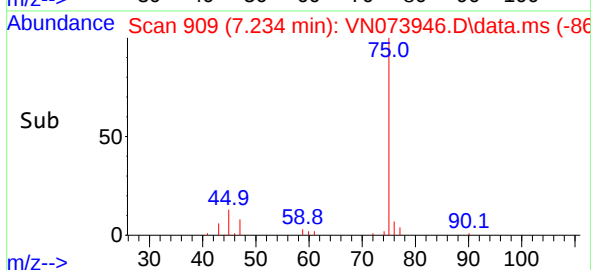
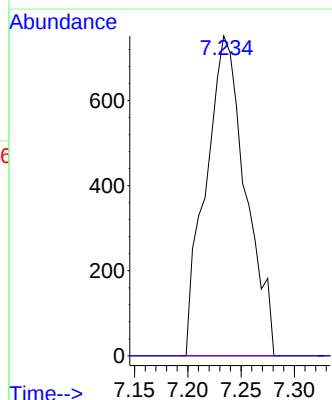
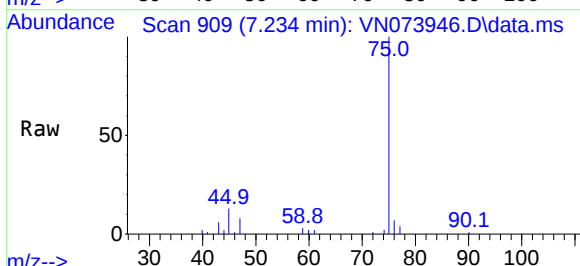
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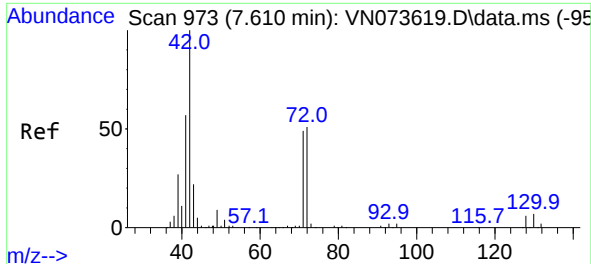
Tgt Ion: 77 Resp: 1955

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.753 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073946.D

Acq: 16 Aug 2022 14:08

Instrument :

MSVOA_N

ClientSampleId :

PB146976ZHE#02

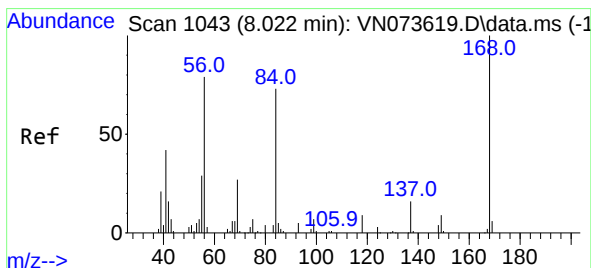
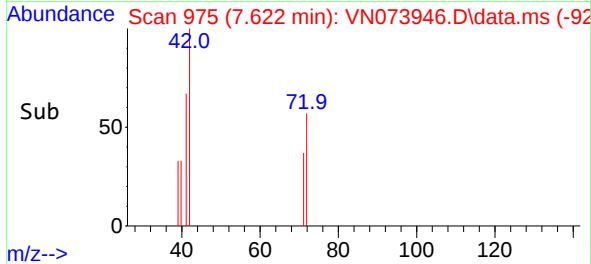
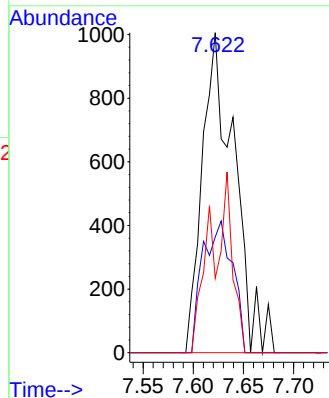
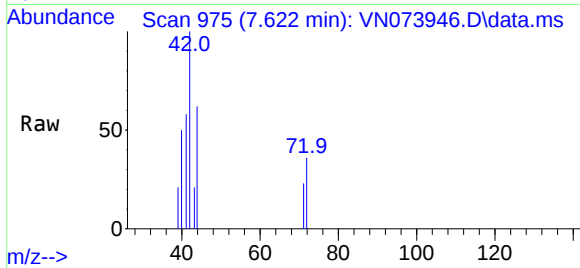
Tgt Ion: 42 Resp: 2230

Ion Ratio Lower Upper

42 100

72 38.4 39.7 59.5#

71 20.3 36.6 55.0#



#31

Cyclohexane

Concen: 1.143 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073946.D

Acq: 16 Aug 2022 14:08

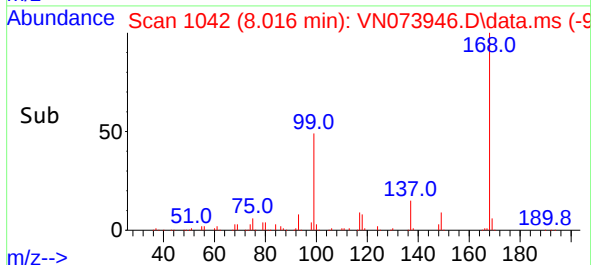
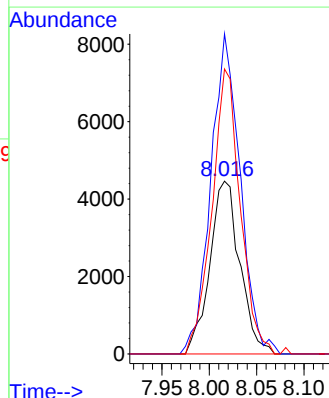
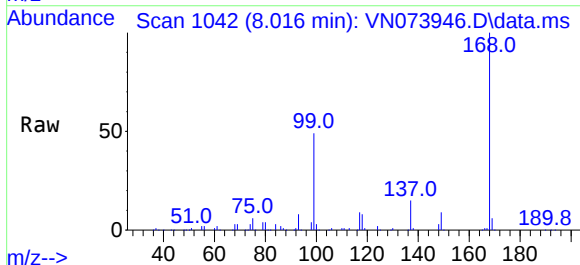
Tgt Ion: 56 Resp: 9836

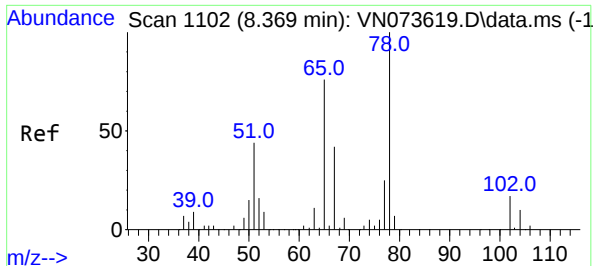
Ion Ratio Lower Upper

56 100

69 185.3 27.8 41.8#

84 164.9 76.9 115.3#

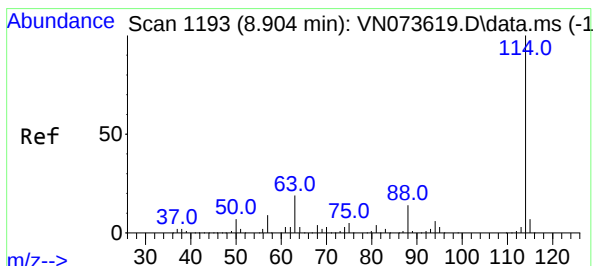
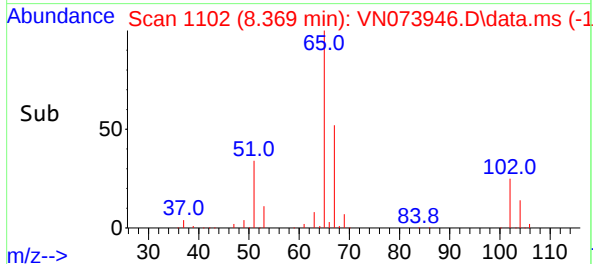
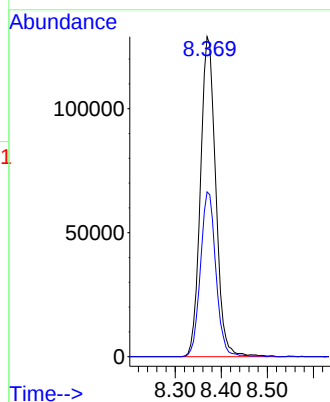
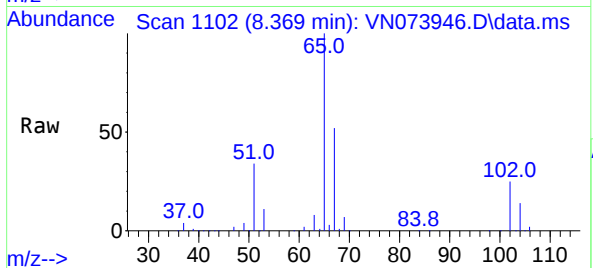




#33
1,2-Dichloroethane-d4
Concen: 48.464 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

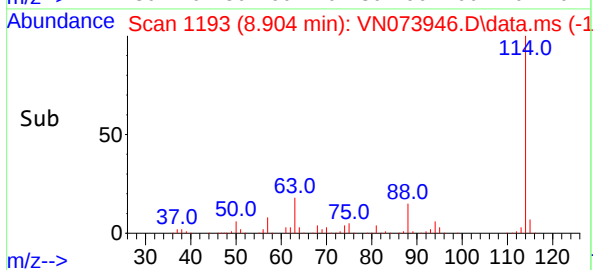
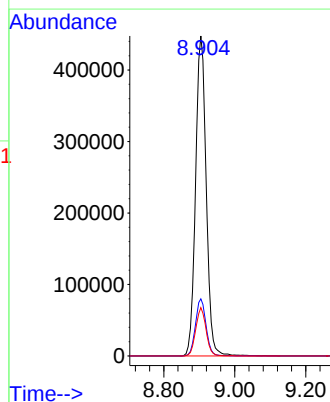
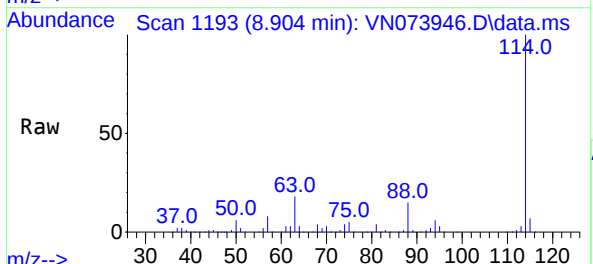
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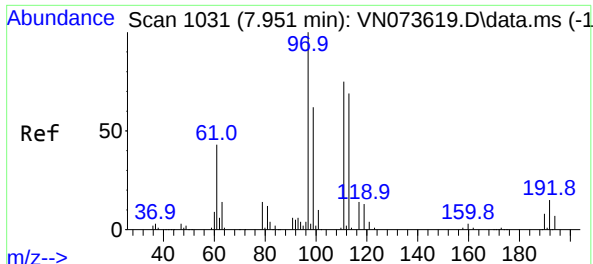
Tgt Ion: 65 Resp: 299258
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

Tgt Ion: 114 Resp: 932526
Ion Ratio Lower Upper
114 100
63 17.9 0.0 40.0
88 15.1 0.0 32.6

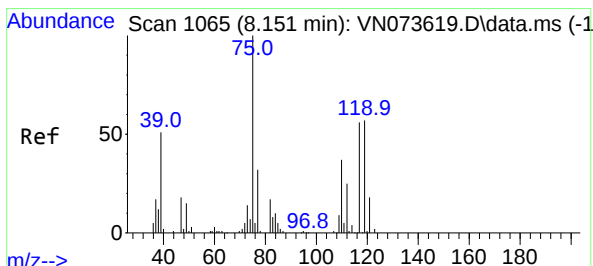
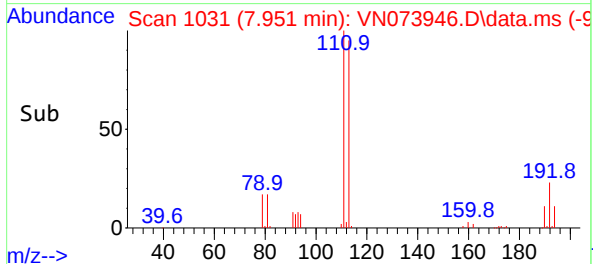
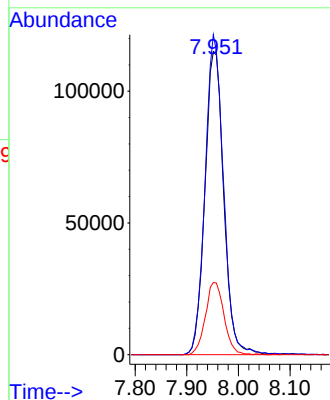
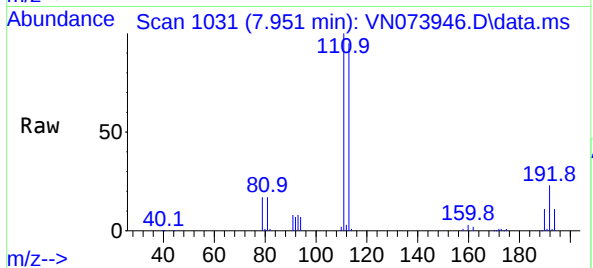




#35
Dibromofluoromethane
Concen: 52.803 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

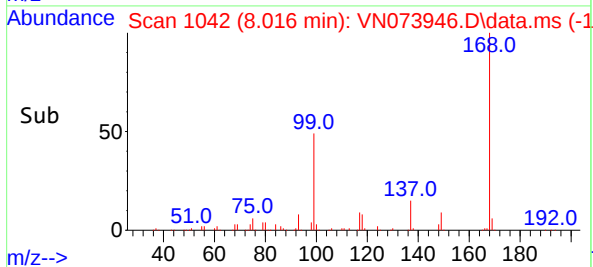
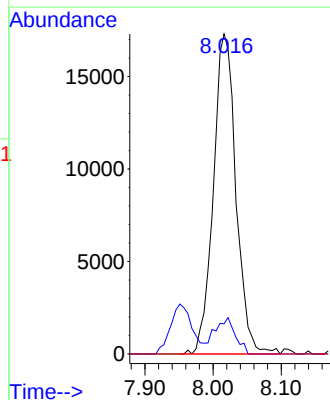
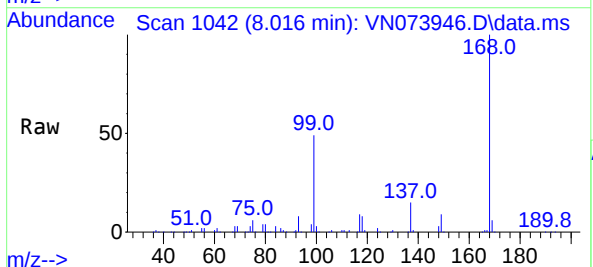
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#02

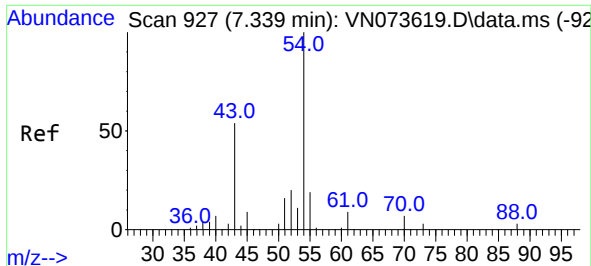
Tgt Ion:113 Resp: 291199
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 23.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.210 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

Tgt Ion: 75 Resp: 39910
Ion Ratio Lower Upper
75 100
110 10.5 18.3 54.8#
77 0.0 25.1 37.7#

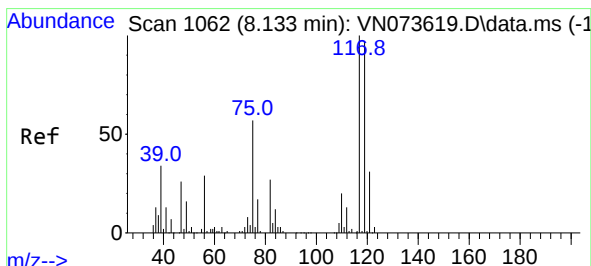
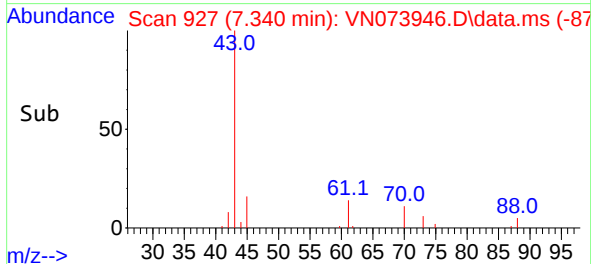
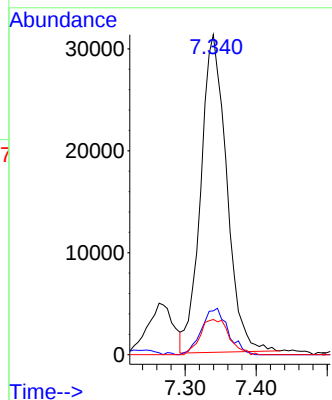
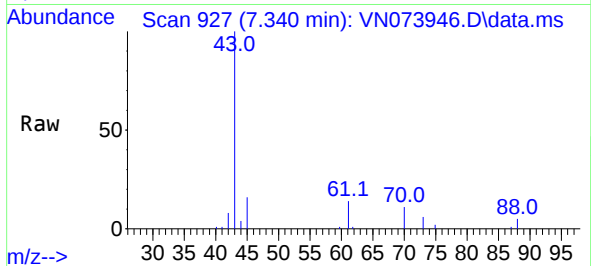




#37
Ethyl Acetate
Concen: 8.516 ug/l
RT: 7.340 min Scan# 91
Delta R.T. 0.001 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

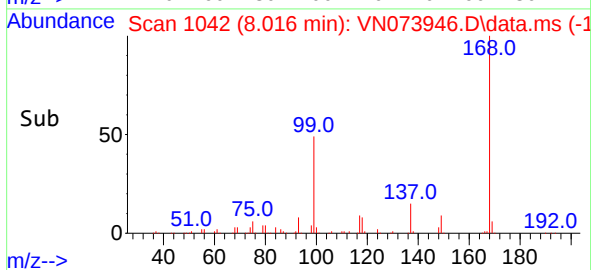
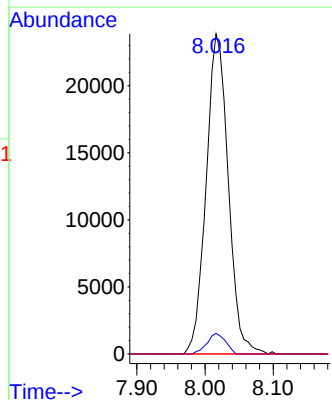
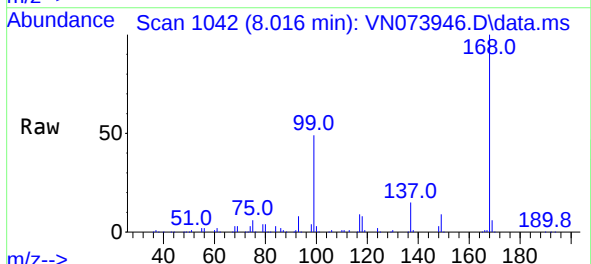
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#02

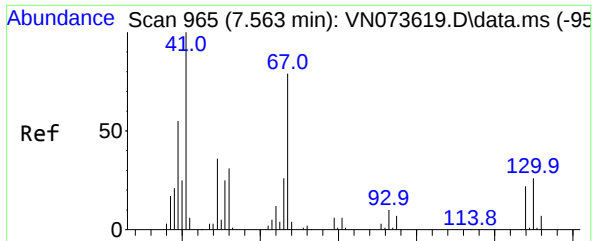
Tgt Ion:	43	Resp:	79028
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.6
70	12.4	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.164 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

Tgt Ion:	117	Resp:	53966
Ion	Ratio	Lower	Upper
117	100		
119	6.4	75.8	113.8#
121	0.0	24.6	37.0#



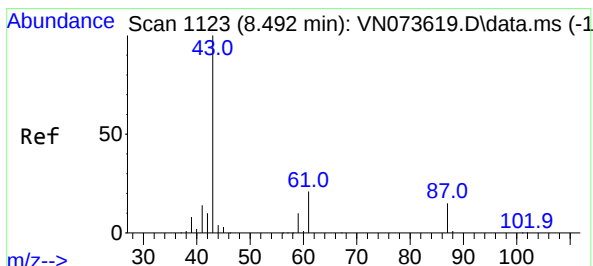
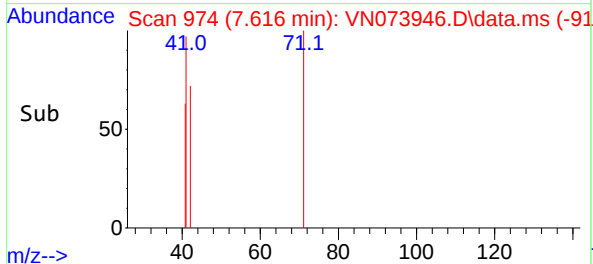
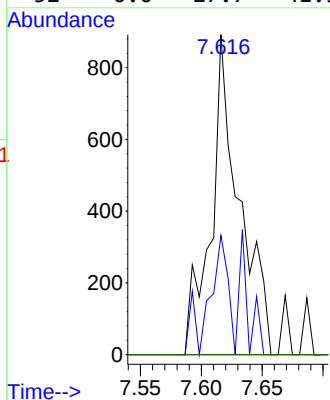
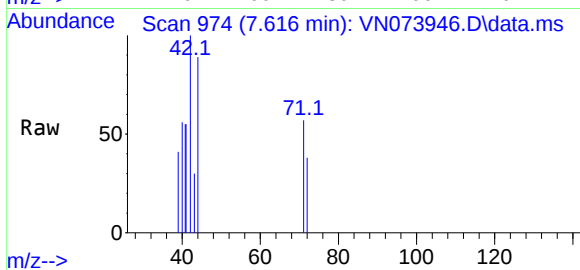


#41
Methacrylonitrile
Concen: 0.346 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.053 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#02

Tgt Ion: 41 Resp: 1452

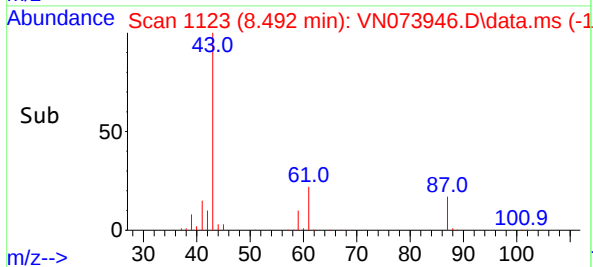
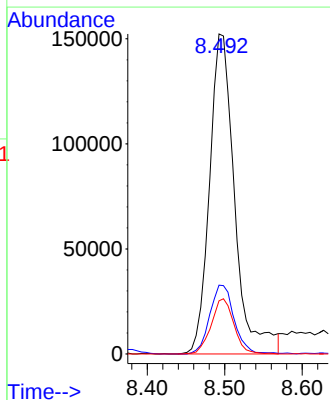
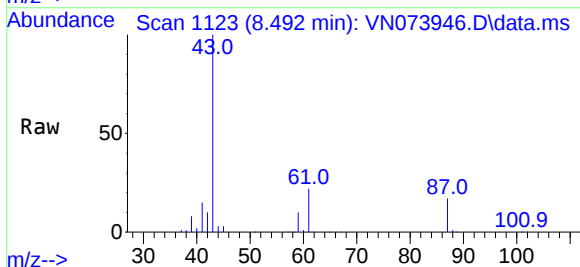
Ion	Ratio	Lower	Upper
41	100		
39	21.0	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#

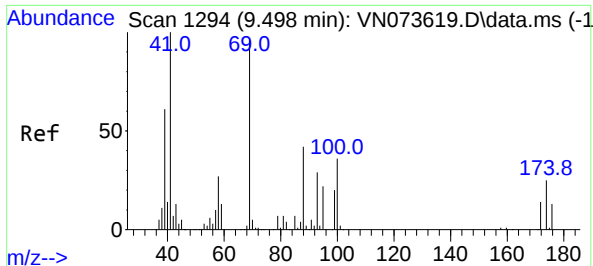


#43
Isopropyl Acetate
Concen: 26.113 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

Tgt Ion: 43 Resp: 345216

Ion	Ratio	Lower	Upper
43	100		
61	20.9	21.9	32.9#
87	15.6	12.0	18.0





#48

Methyl methacrylate

Concen: 1.885 ug/l

RT: 9.487 min Scan# 1

Delta R.T. -0.011 min

Lab File: VN073946.D

Acq: 16 Aug 2022 14:08

Instrument :

MSVOA_N

ClientSampleId :

PB146976ZHE#02

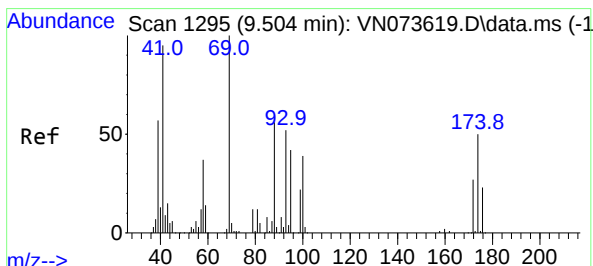
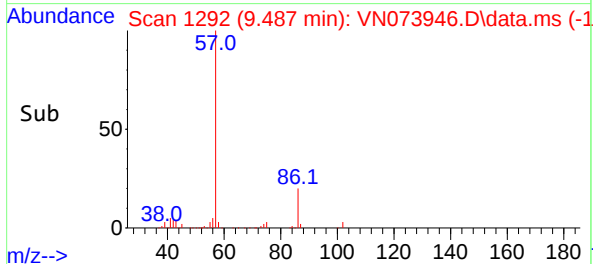
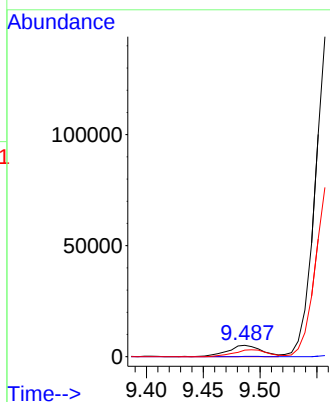
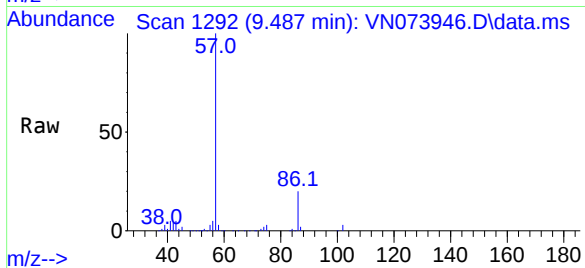
Tgt Ion: 41 Resp: 10661

Ion Ratio Lower Upper

41 100

69 1.6 74.7 112.1#

39 61.0 45.6 68.4



#49

1,4-Dioxane

Concen: 0.731 ug/l

RT: 9.498 min Scan# 1294

Delta R.T. -0.006 min

Lab File: VN073946.D

Acq: 16 Aug 2022 14:08

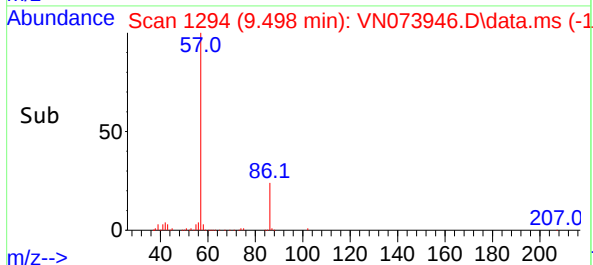
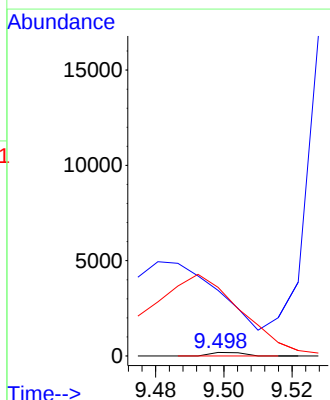
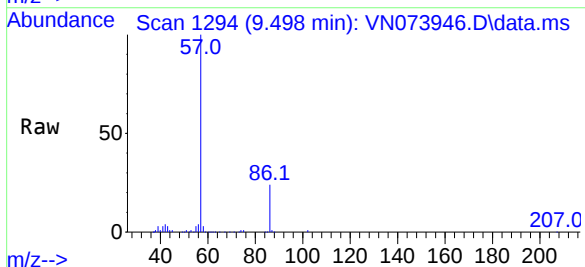
Tgt Ion: 88 Resp: 123

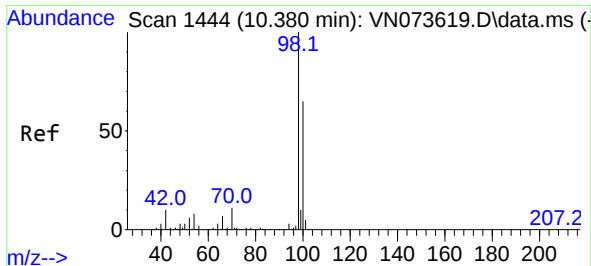
Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 7019.5 54.2 81.4#

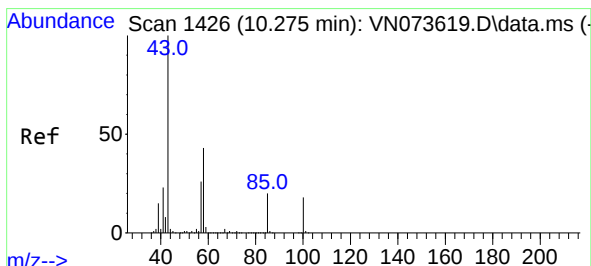
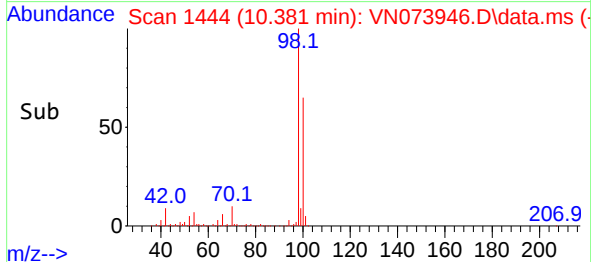
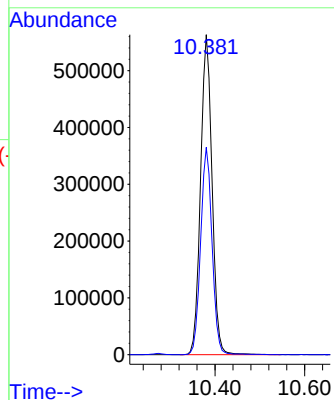
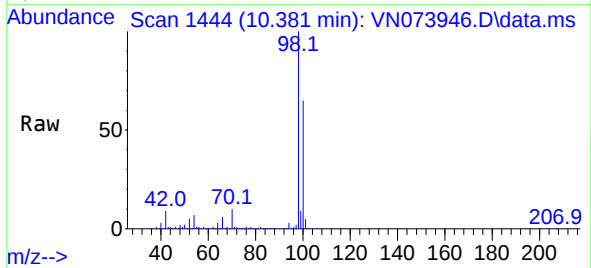




#50
Toluene-d8
Concen: 46.724 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

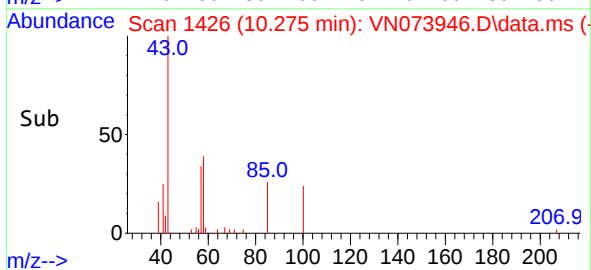
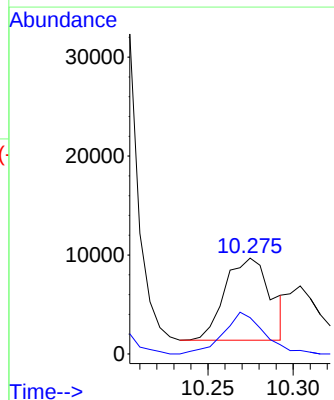
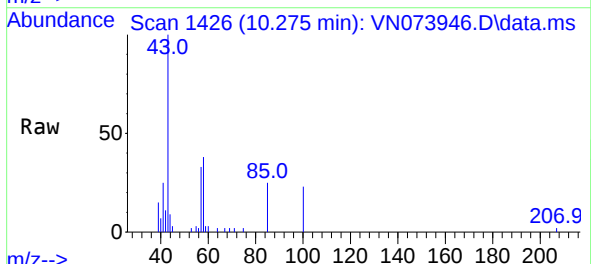
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#02

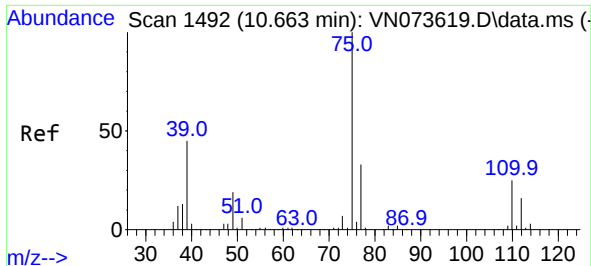
Tgt Ion: 98 Resp: 997966
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.738 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

Tgt Ion: 43 Resp: 15536
Ion Ratio Lower Upper
43 100
58 45.2 34.1 51.1

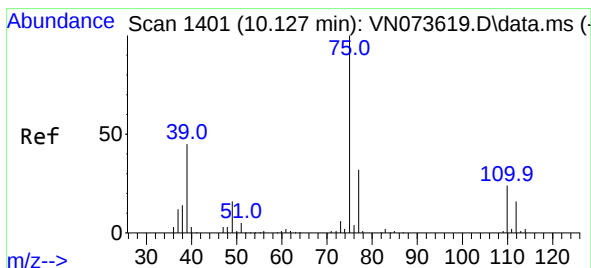
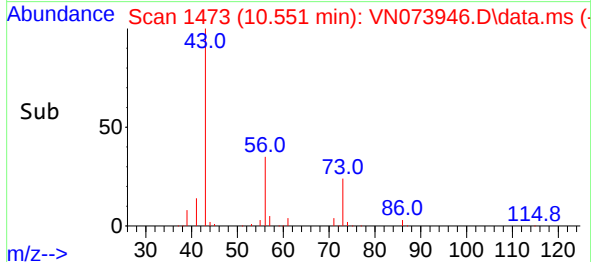
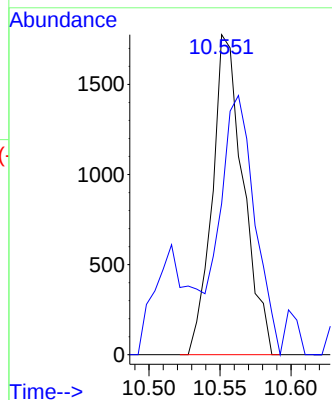
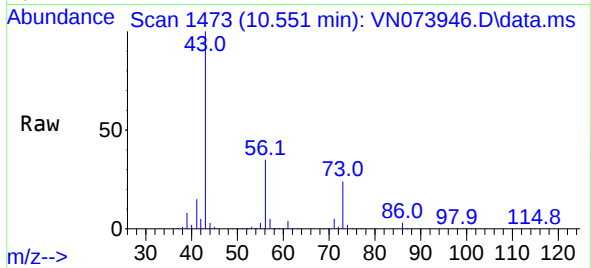




#53
 t-1,3-Dichloropropene
 Concen: 0.305 ug/l
 RT: 10.551 min Scan# 1411
 Delta R.T. -0.112 min
 Lab File: VN073946.D
 Acq: 16 Aug 2022 14:08

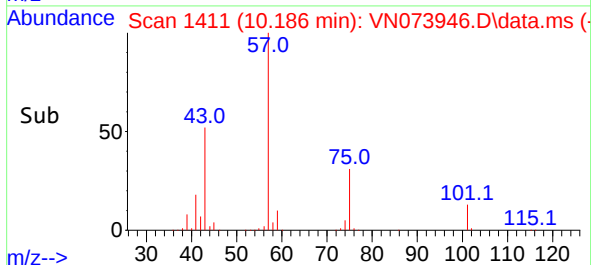
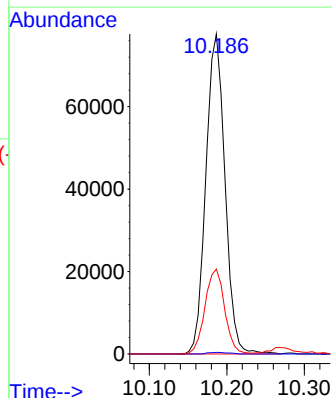
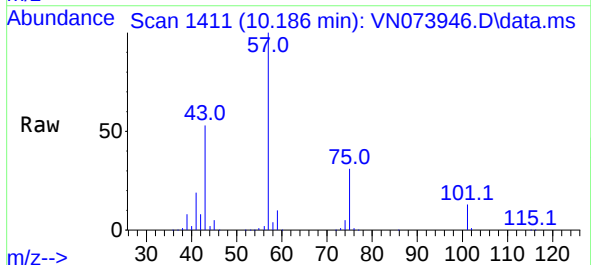
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#02

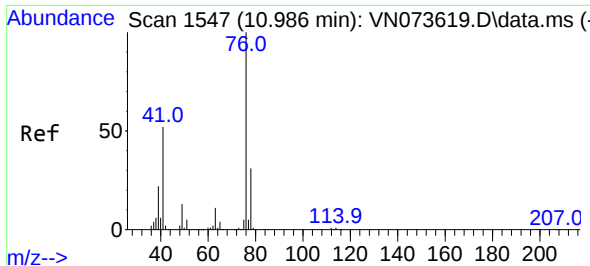
Tgt Ion: 75 Resp: 2696
 Ion Ratio Lower Upper
 75 100
 77 47.2 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 13.729 ug/l
 RT: 10.186 min Scan# 1411
 Delta R.T. 0.059 min
 Lab File: VN073946.D
 Acq: 16 Aug 2022 14:08

Tgt Ion: 75 Resp: 132730
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 26.5 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.775 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN073946.D

Acq: 16 Aug 2022 14:08

Instrument :

MSVOA_N

ClientSampleId :

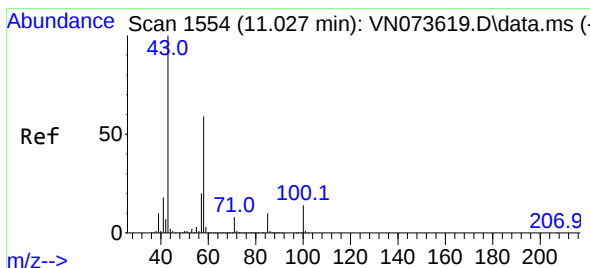
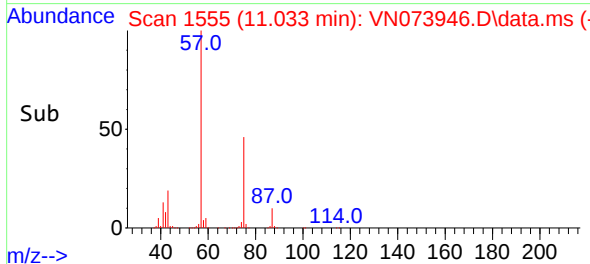
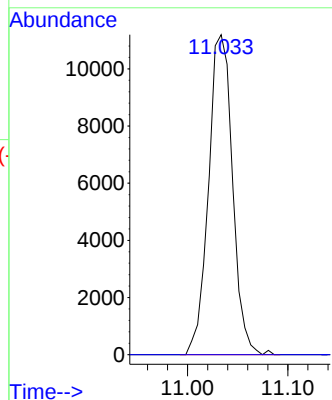
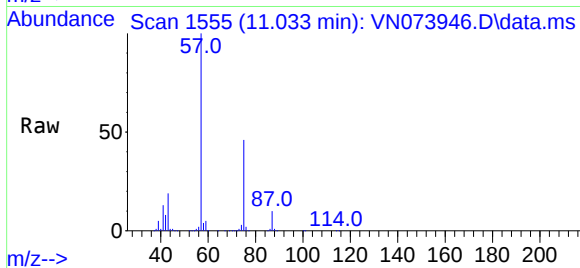
PB146976ZHE#02

Tgt Ion: 76 Resp: 18612

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 31.329 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073946.D

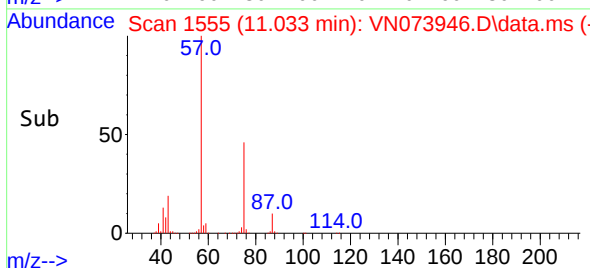
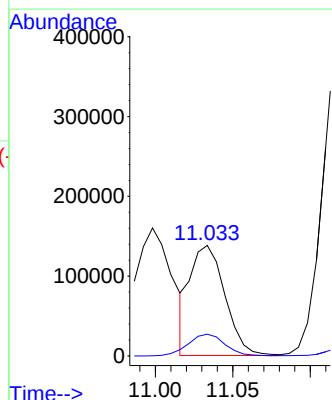
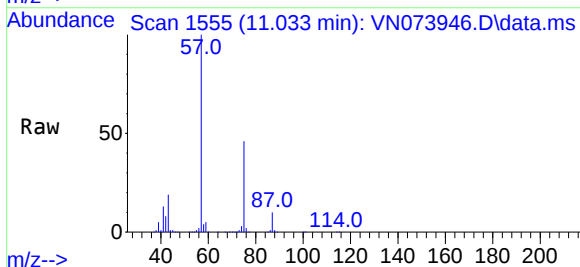
Acq: 16 Aug 2022 14:08

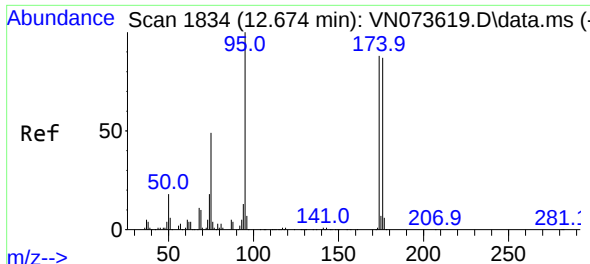
Tgt Ion: 43 Resp: 215504

Ion Ratio Lower Upper

43 100

58 21.1 29.7 89.1#

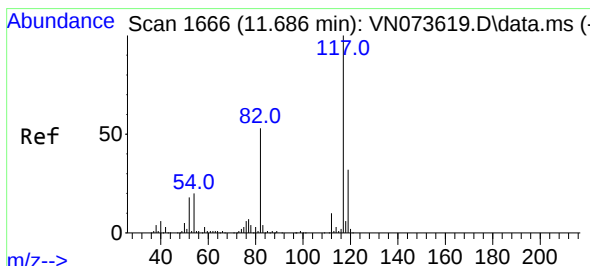
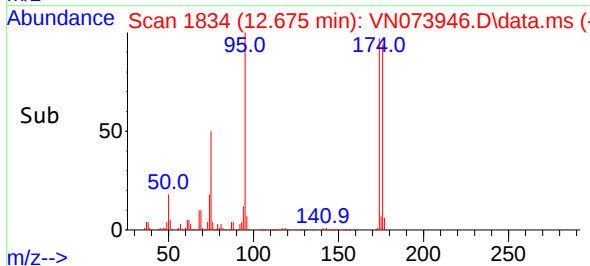
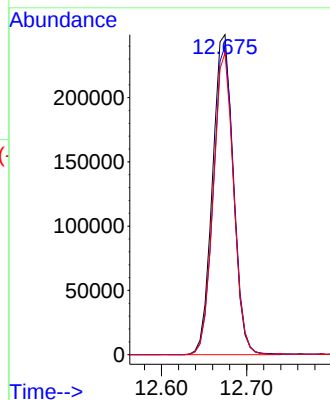
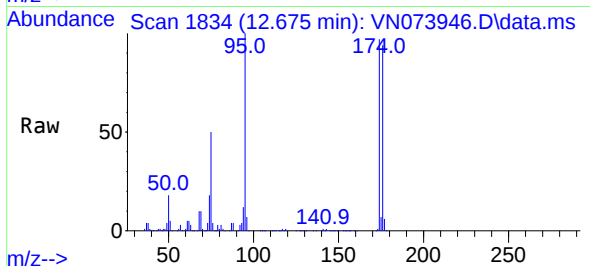




#62
4-Bromofluorobenzene
Concen: 59.399 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

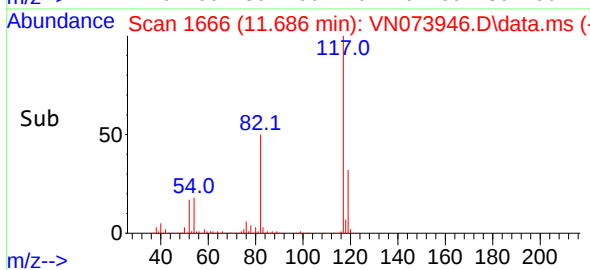
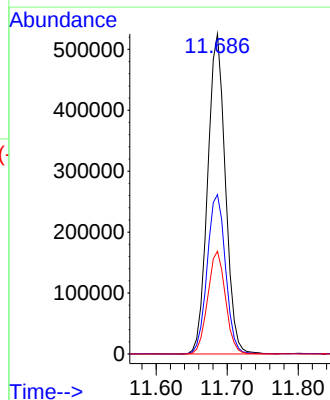
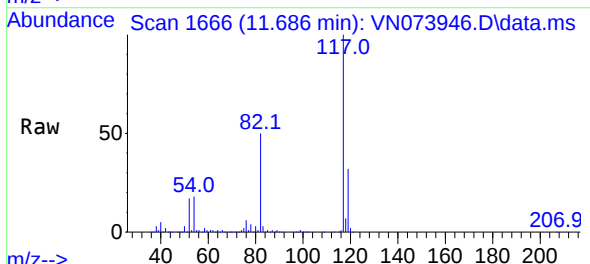
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#02

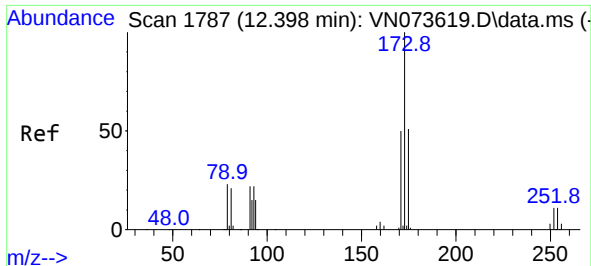
Tgt Ion: 95 Resp: 421051
Ion Ratio Lower Upper
95 100
174 95.1 0.0 167.6
176 91.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

Tgt Ion: 117 Resp: 910338
Ion Ratio Lower Upper
117 100
82 49.8 44.2 66.2
119 32.1 25.4 38.0

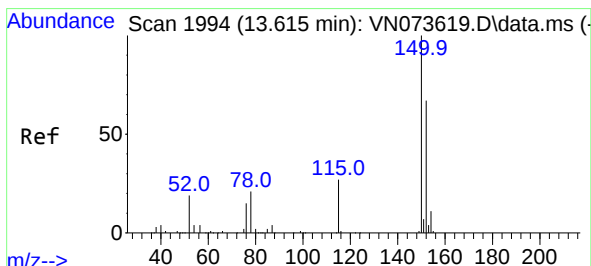
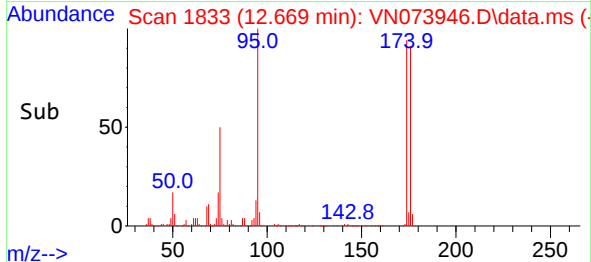
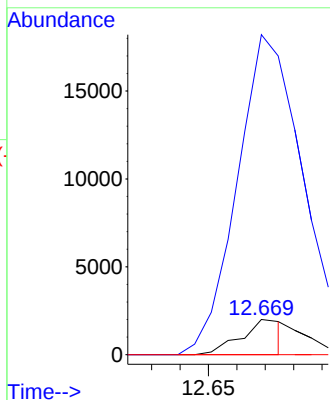
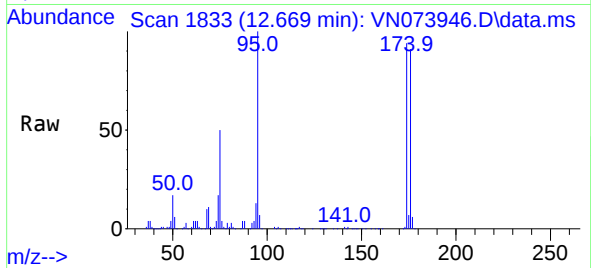




#71
Bromoform
Concen: 0.312 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

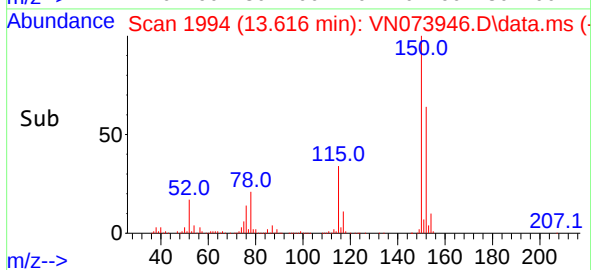
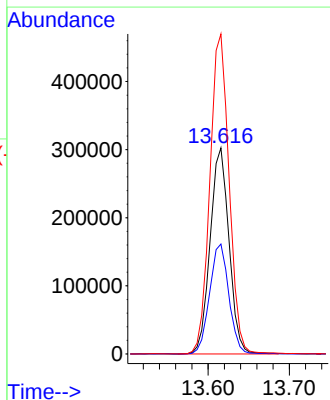
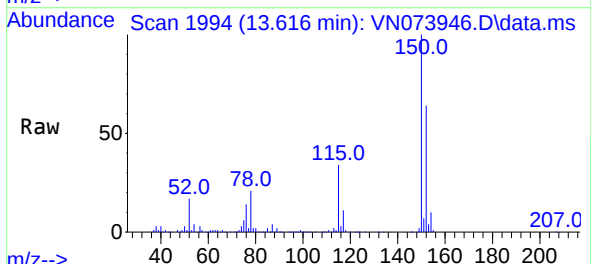
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#02

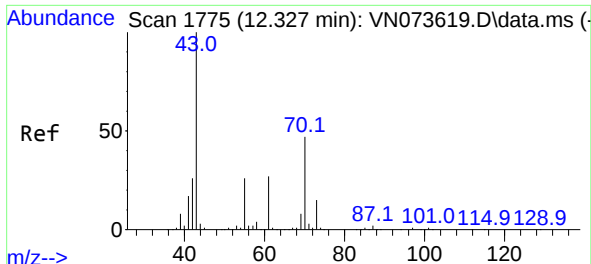
Tgt Ion:173 Resp: 2040
Ion Ratio Lower Upper
173 100
175 994.7 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

Tgt Ion:152 Resp: 490048
Ion Ratio Lower Upper
152 100
115 54.4 28.9 86.7
150 157.6 0.0 356.2

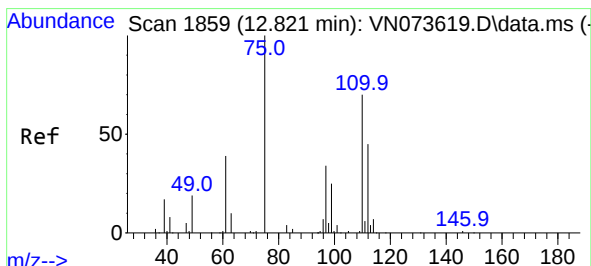
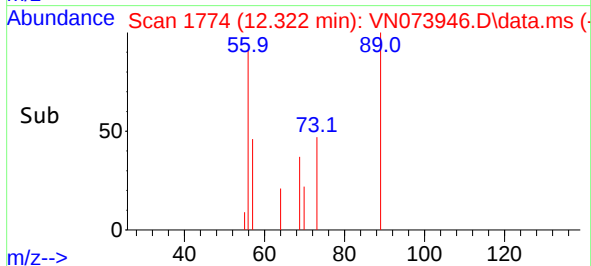
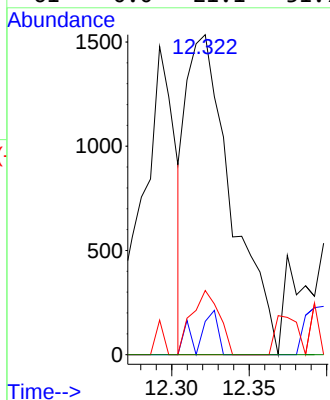
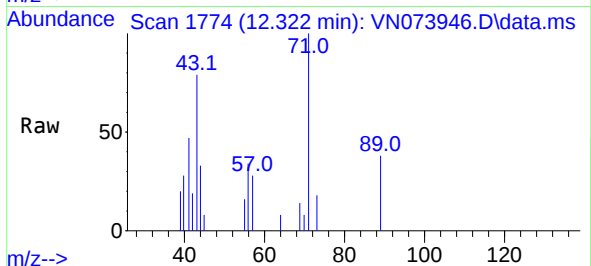




#74
N-amy1 acetate
Concen: 0.232 ug/l
RT: 12.322 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

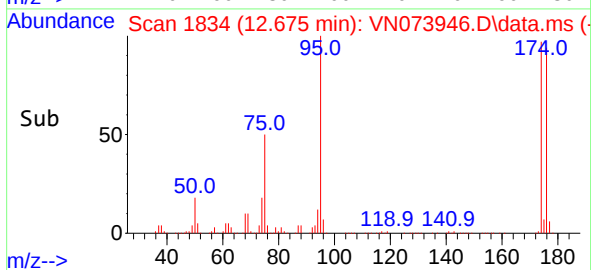
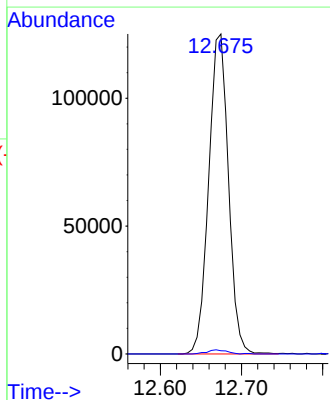
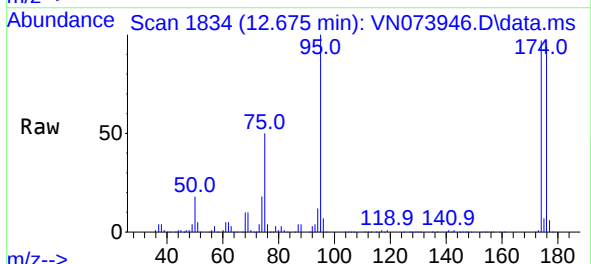
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#02

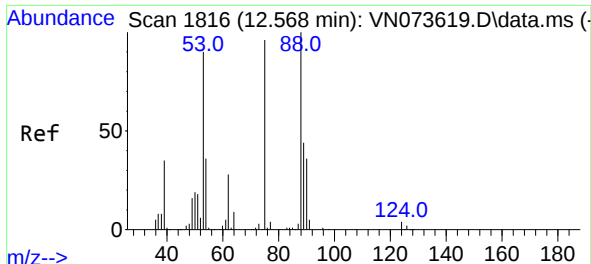
Tgt Ion: 43	Resp:	3124	
Ion	Ratio	Lower	Upper
43	100		
70	6.0	39.0	58.4#
55	12.3	21.1	31.7#
61	0.0	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 20.737 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.146 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

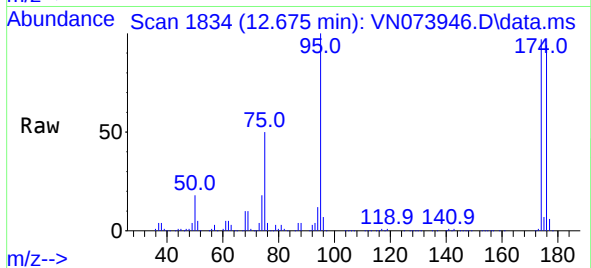
Tgt Ion: 75	Resp: 211222
Ion Ratio	Lower Upper
75 100	
77 1.3	98.5 295.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 58.981 ug/l
RT: 12.675 min Scan# 11
Delta R.T. 0.107 min
Lab File: VN073946.D
Acq: 16 Aug 2022 14:08

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#02



Tgt Ion: 75 Resp: 211222
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

