

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073949.D
 Acq On : 16 Aug 2022 15:22
 Operator : JC\MD
 Sample : PB146976ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#05

Quant Time: Aug 17 01:15:40 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)

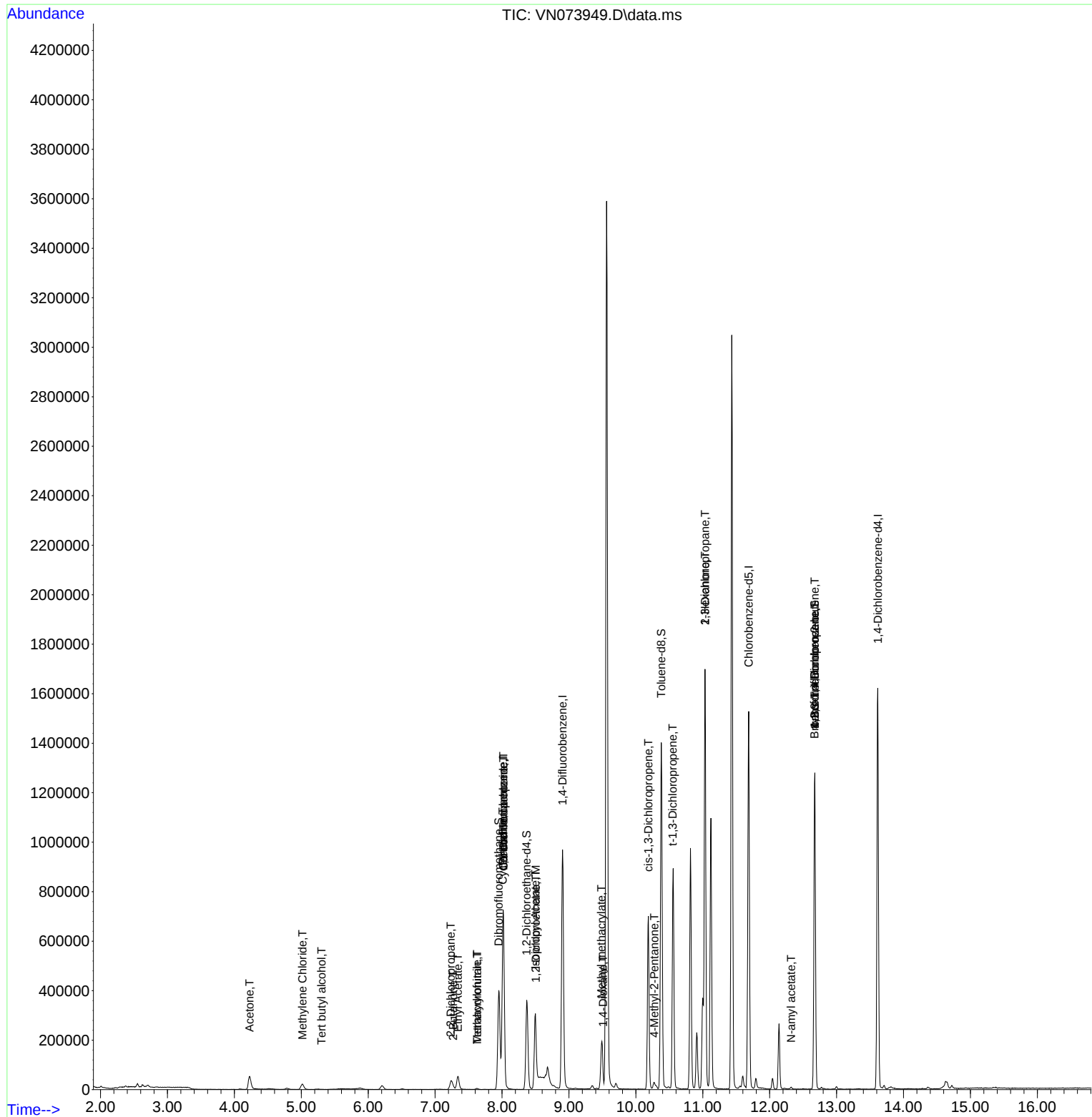
Internal Standards						
1) Pentafluorobenzene	8.016	168	625505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	931721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	917713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	475666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	303428	49.804	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.600%		
35) Dibromofluoromethane	7.951	113	298221	54.123	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.240%		
50) Toluene-d8	10.381	98	1003916	47.043	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.080%		
62) 4-Bromofluorobenzene	12.675	95	418427	59.080	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	118.160%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.304	59	783	0.575	ug/l #	72
16) Acetone	4.228	43	98271	34.189	ug/l	97
18) Methyl Acetate	4.781	43	10666	Below Cal		94
20) Methylene Chloride	5.016	84	18520	3.053	ug/l	97
25) 2-Butanone	7.269	43	16334	3.584	ug/l	96
26) 2,2-Dichloropropane	7.234	77	2611	0.288	ug/l #	53
29) Tetrahydrofuran	7.628	42	2947	1.008	ug/l	97
31) Cyclohexane	8.010	56	9879	1.163	ug/l #	22
36) 1,1-Dichloropropene	8.022	75	39170	5.118	ug/l #	49
37) Ethyl Acetate	7.340	43	81688	8.810	ug/l	100
38) Carbon Tetrachloride	8.022	117	54278	6.205	ug/l #	17
41) Methacrylonitrile	7.628	41	1882	0.449	ug/l #	37
42) 1,2-Dichloroethane	8.504	62	2748	0.331	ug/l #	74
43) Isopropyl Acetate	8.498	43	365540	27.674	ug/l #	91
48) Methyl methacrylate	9.487	41	11216	1.984	ug/l #	40
49) 1,4-Dioxane	9.510	88	125	0.744	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	27714	3.103	ug/l #	77
53) t-1,3-Dichloropropene	10.551	75	2337	0.265	ug/l #	69
54) cis-1,3-Dichloropropene	10.186	75	136096	14.089	ug/l #	61
57) 1,3-Dichloropropane	11.033	76	18401	1.756	ug/l #	42
59) 2-Hexanone	11.033	43	221064	32.165	ug/l #	49
71) Bromoform	12.669	173	2166	0.328	ug/l #	28
74) N-amyl acetate	12.322	43	3881	0.296	ug/l #	46
76) 1,2,3-Trichloropropane	12.675	75	206335	20.870	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	206335	59.358	ug/l #	10

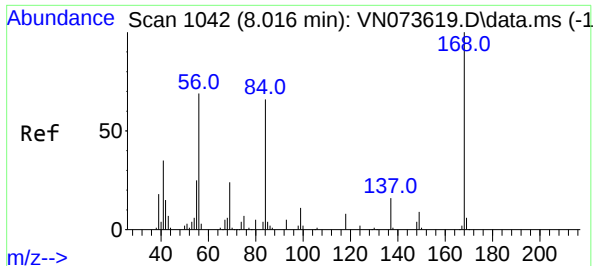
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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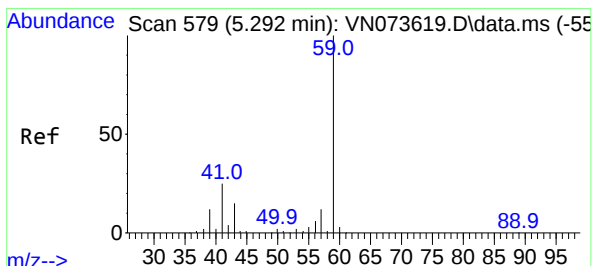
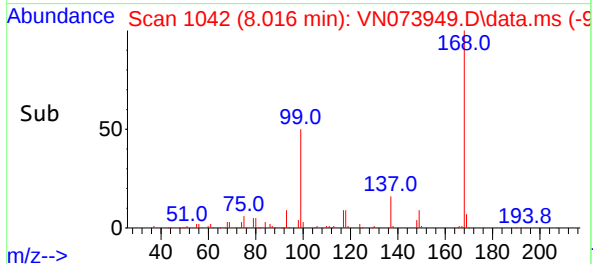
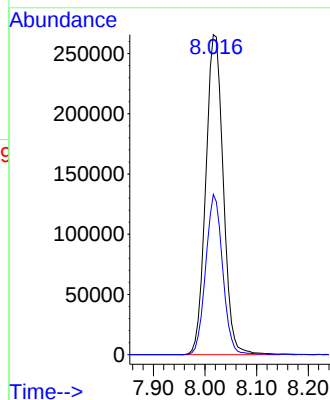
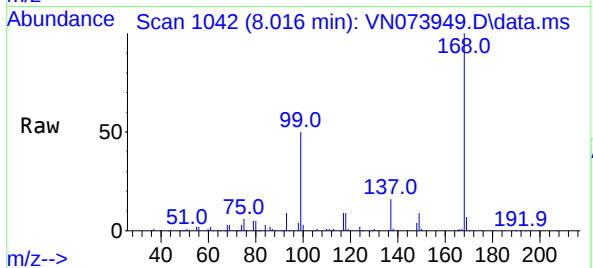




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

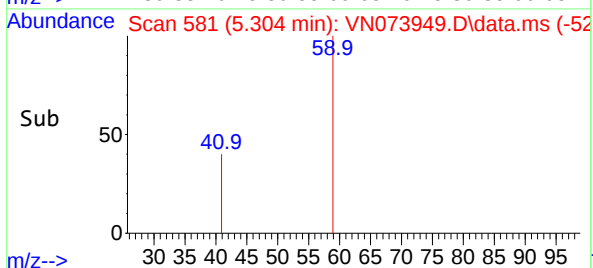
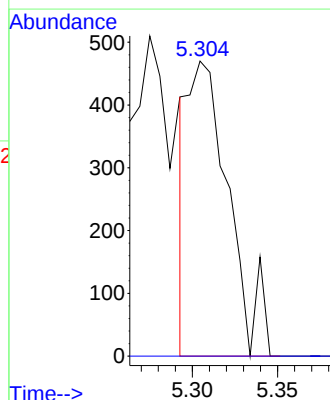
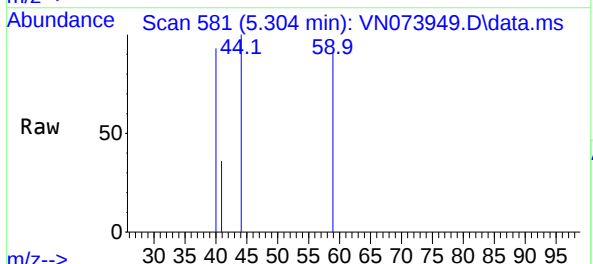
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#05

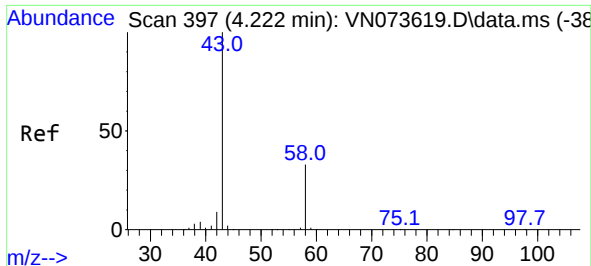
Tgt Ion:168 Resp: 625505
Ion Ratio Lower Upper
168 100
99 50.1 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.575 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.012 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

Tgt Ion: 59 Resp: 783
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

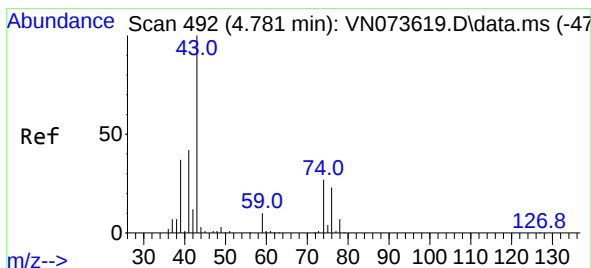
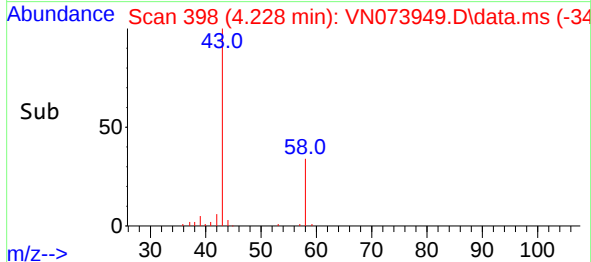
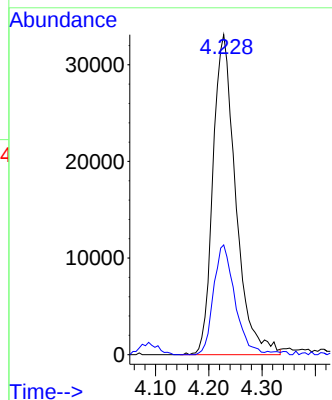
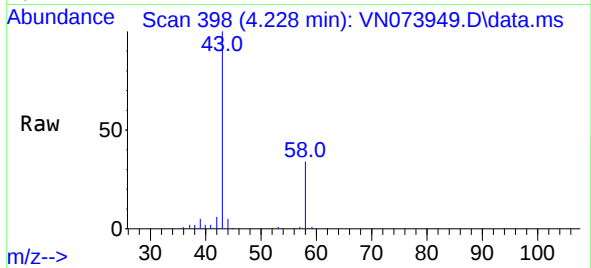




#16
Acetone
Concen: 34.189 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

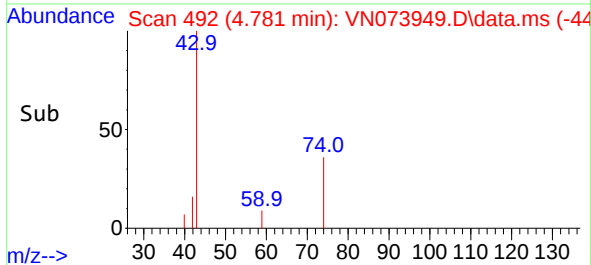
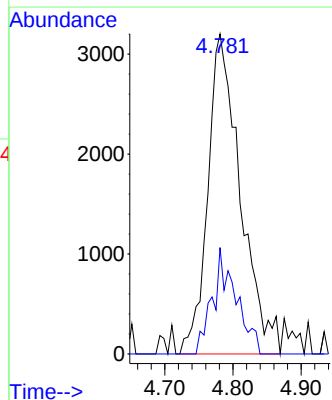
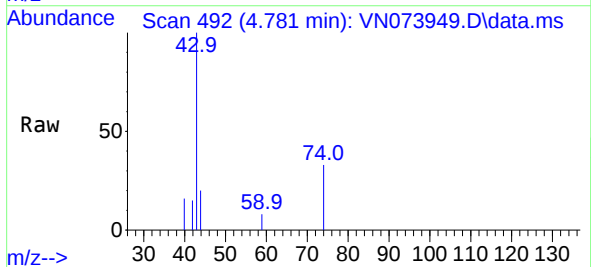
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#05

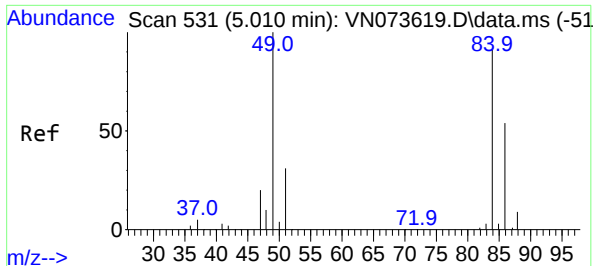
Tgt Ion: 43 Resp: 98271
Ion Ratio Lower Upper
43 100
58 34.3 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

Tgt Ion: 43 Resp: 10666
Ion Ratio Lower Upper
43 100
74 24.0 21.6 32.4



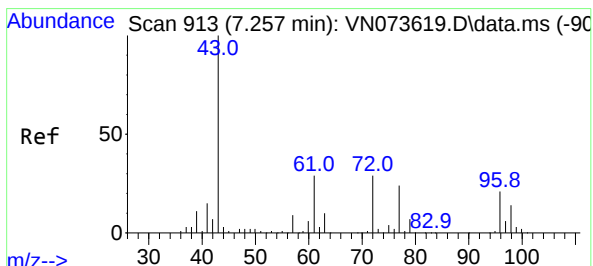
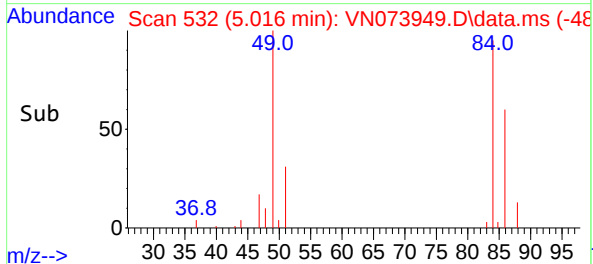
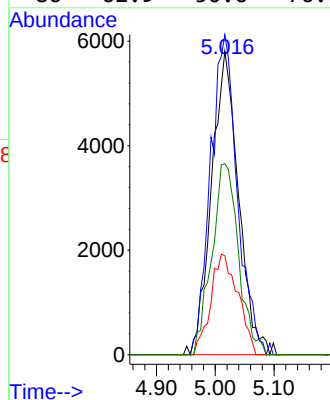
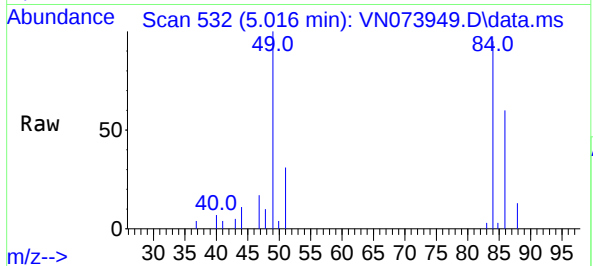


#20
Methylene Chloride
Concen: 3.053 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#05

Tgt Ion: 84 Resp: 18520

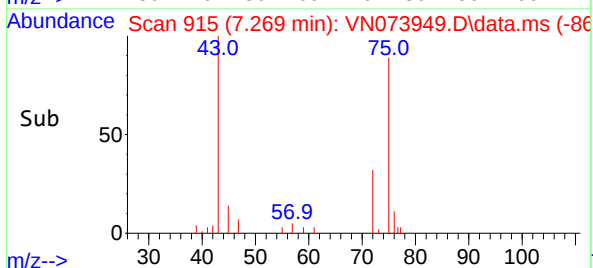
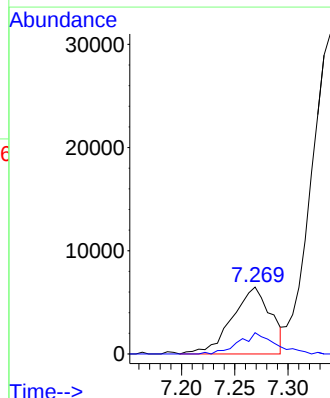
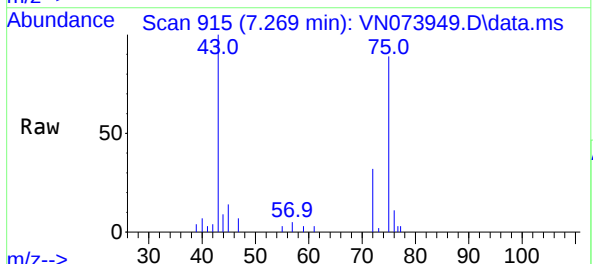
Ion	Ratio	Lower	Upper
84	100		
49	105.4	88.3	132.5
51	32.6	28.2	42.2
86	62.9	50.6	76.0

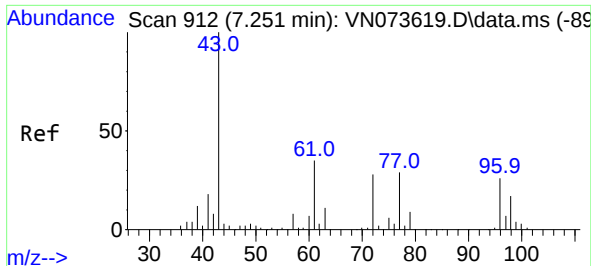


#25
2-Butanone
Concen: 3.584 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

Tgt Ion: 43 Resp: 16334

Ion	Ratio	Lower	Upper
43	100		
72	31.9	23.7	35.5





#26

2,2-Dichloropropane

Concen: 0.288 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.017 min

Lab File: VN073949.D

Acq: 16 Aug 2022 15:22

Instrument :

MSVOA_N

ClientSampleId :

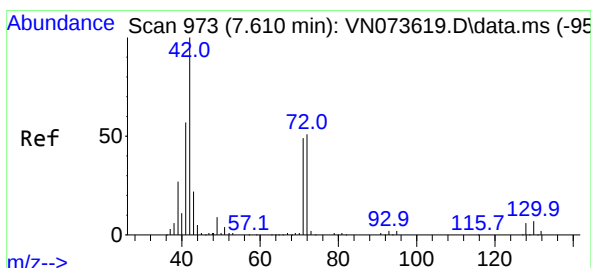
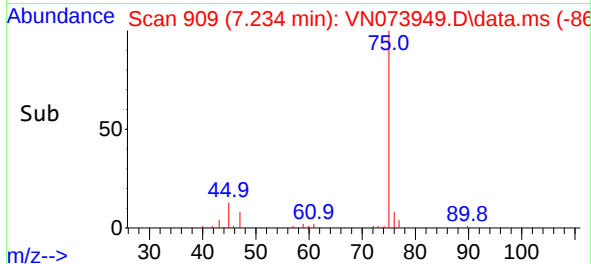
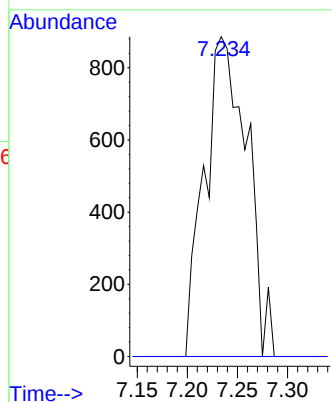
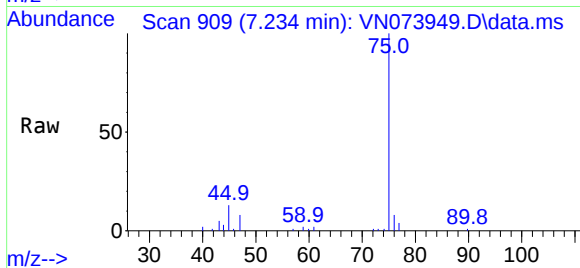
PB146976ZHE#05

Tgt Ion: 77 Resp: 2611

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 1.008 ug/l

RT: 7.628 min Scan# 976

Delta R.T. 0.018 min

Lab File: VN073949.D

Acq: 16 Aug 2022 15:22

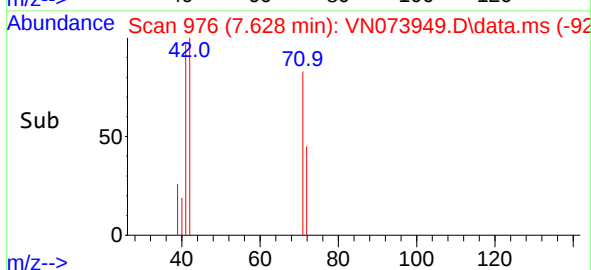
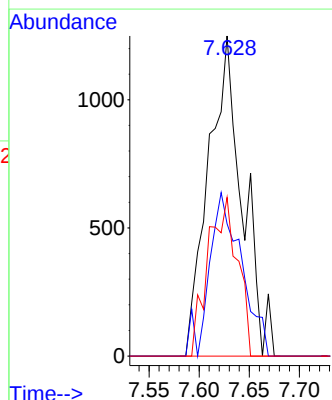
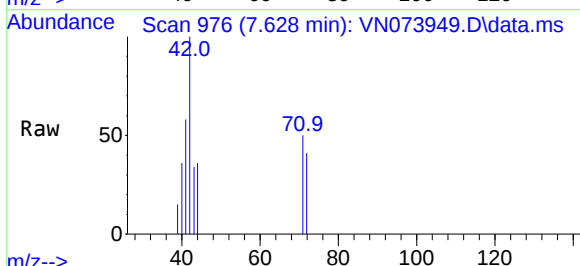
Tgt Ion: 42 Resp: 2947

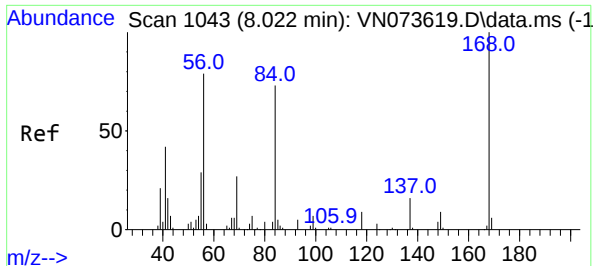
Ion Ratio Lower Upper

42 100

72 48.4 39.7 59.5

71 42.8 36.6 55.0

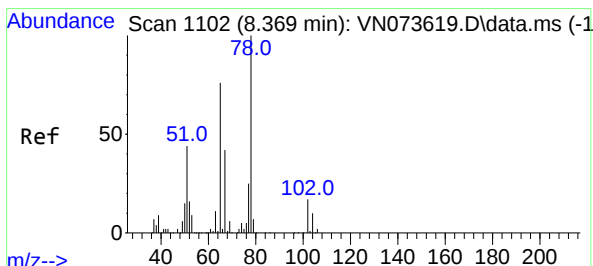
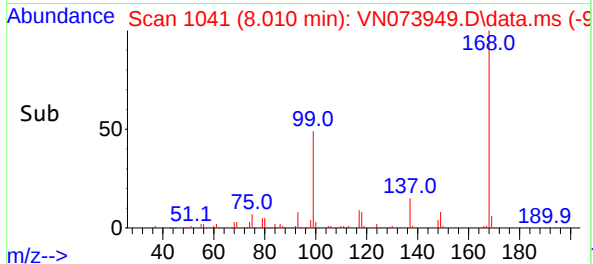
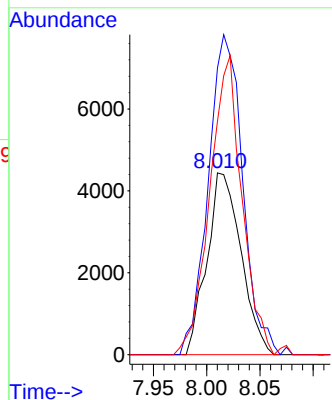
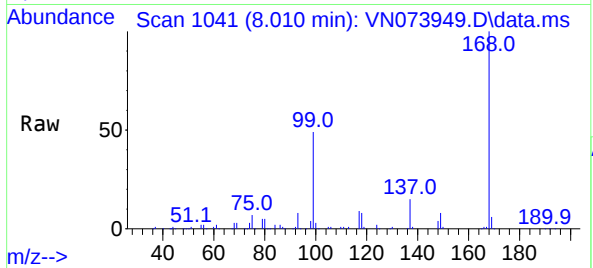




#31
Cyclohexane
Concen: 1.163 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

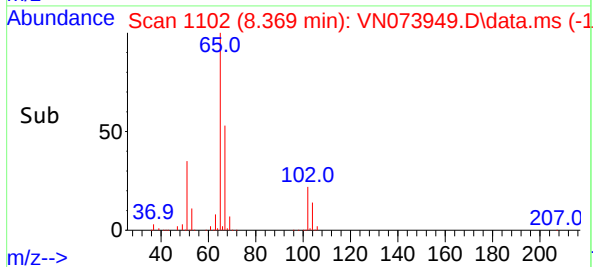
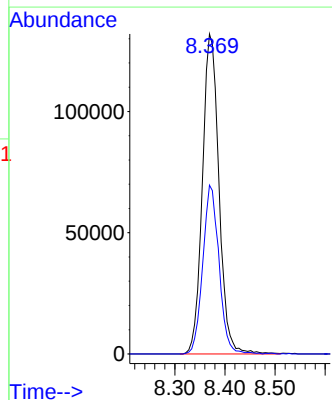
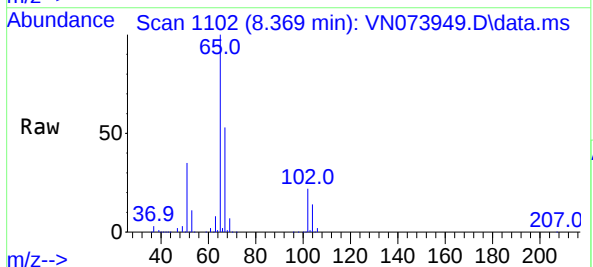
Instrument :
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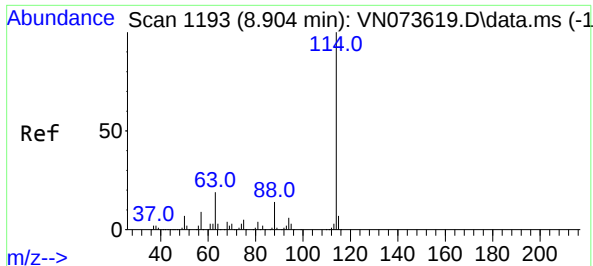
Tgt Ion: 56 Resp: 9879
Ion Ratio Lower Upper
56 100
69 157.7 27.8 41.8#
84 125.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 49.804 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

Tgt Ion: 65 Resp: 303428
Ion Ratio Lower Upper
65 100
67 51.6 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: VN073949.D

Acq: 16 Aug 2022 15:22

Instrument :

MSVOA_N

ClientSampleId :

PB146976ZHE#05

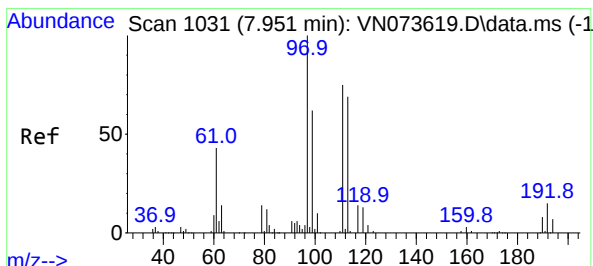
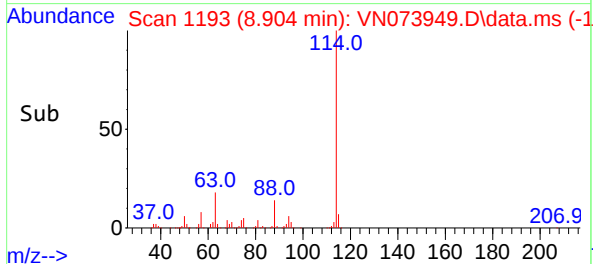
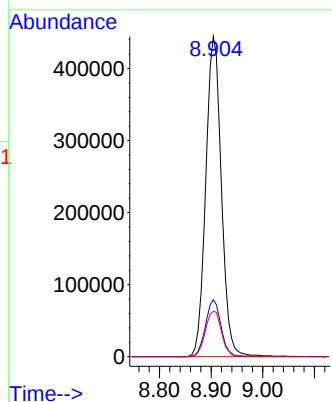
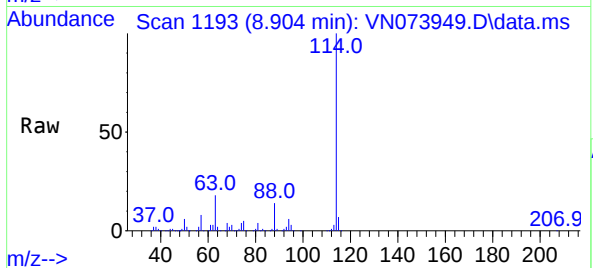
Tgt Ion:114 Resp: 931721

Ion Ratio Lower Upper

114 100

63 17.8 0.0 40.0

88 14.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.123 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073949.D

Acq: 16 Aug 2022 15:22

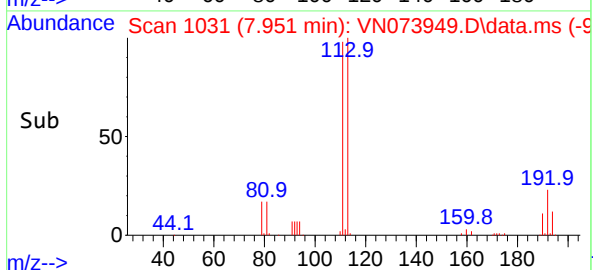
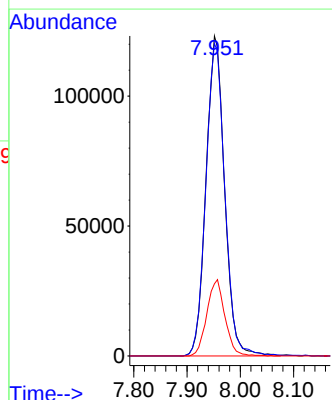
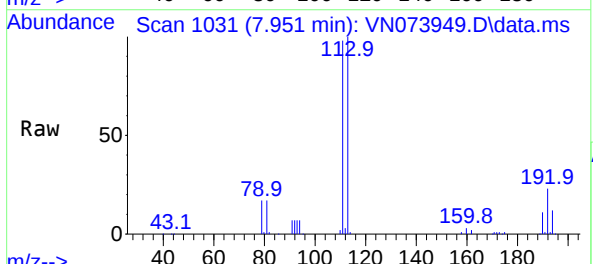
Tgt Ion:113 Resp: 298221

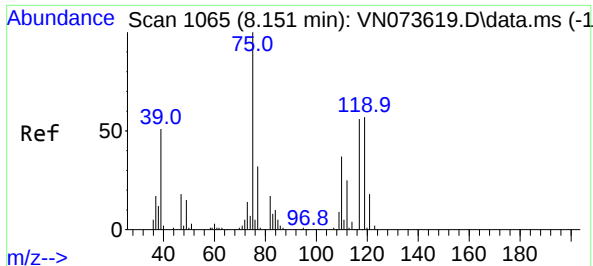
Ion Ratio Lower Upper

113 100

111 100.2 81.4 122.0

192 23.3 17.0 25.6

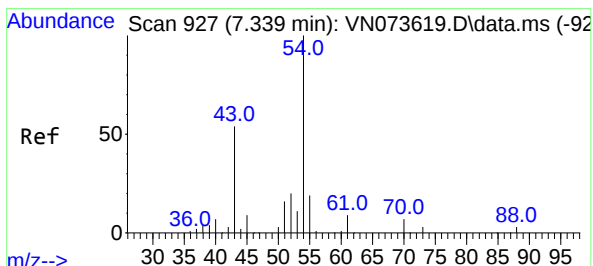
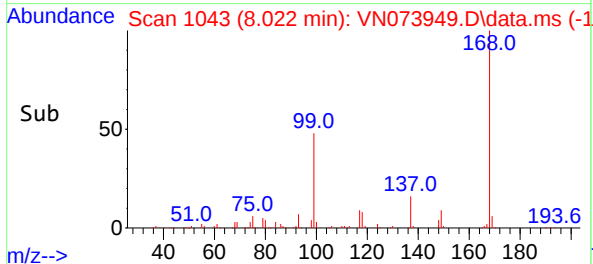
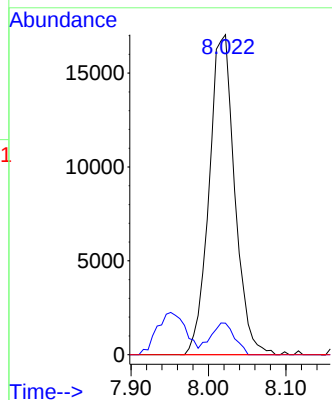
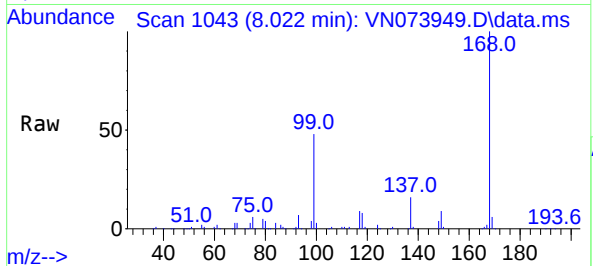




#36
1,1-Dichloropropene
Concen: 5.118 ug/l
RT: 8.022 min Scan# 1065
Delta R.T. -0.129 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

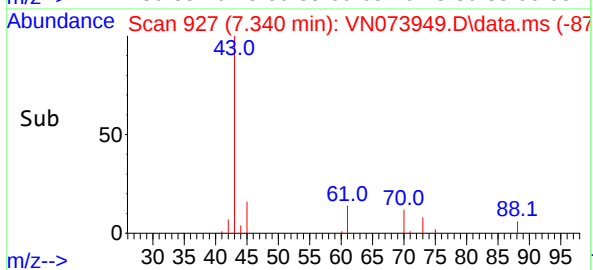
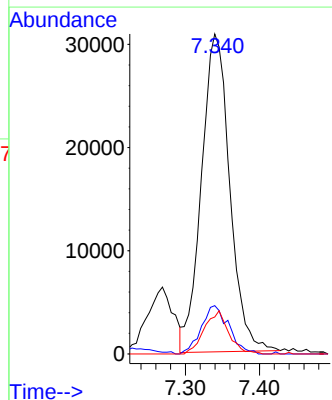
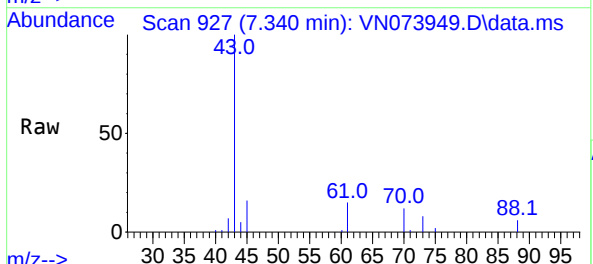
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#05

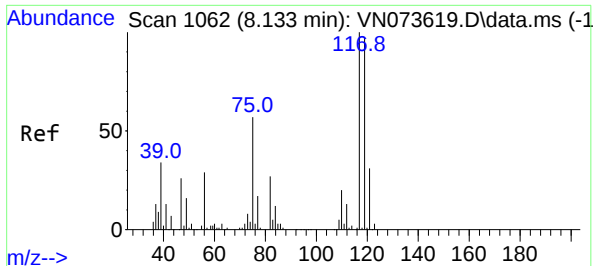
Tgt Ion: 75 Resp: 39170
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.810 ug/l
RT: 7.340 min Scan# 927
Delta R.T. 0.001 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

Tgt Ion: 43 Resp: 81688
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 11.7 9.3 13.9

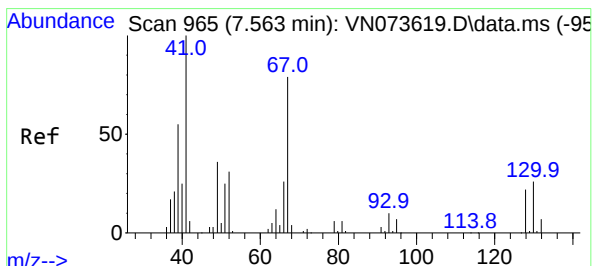
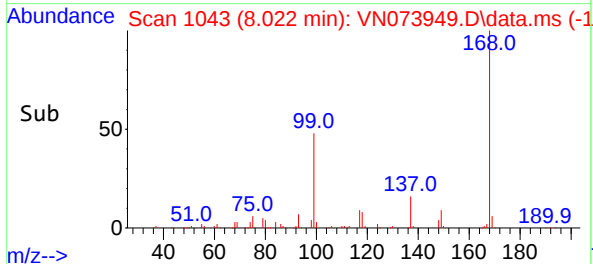
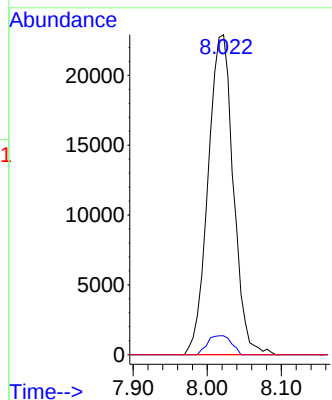
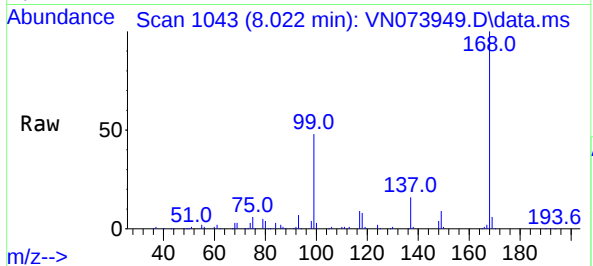




#38
Carbon Tetrachloride
Concen: 6.205 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

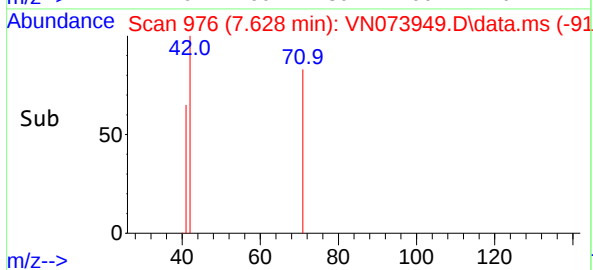
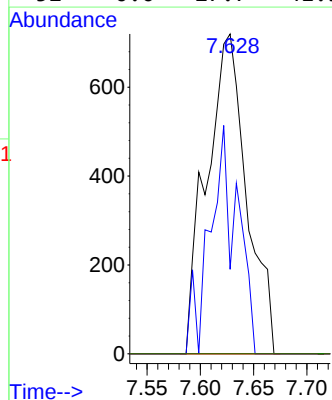
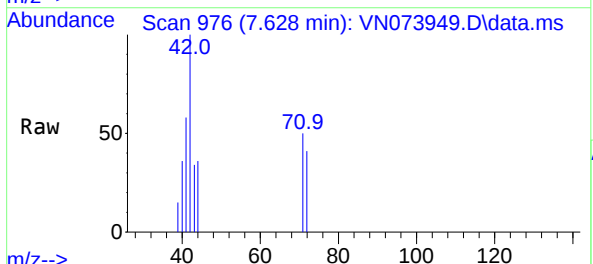
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#05

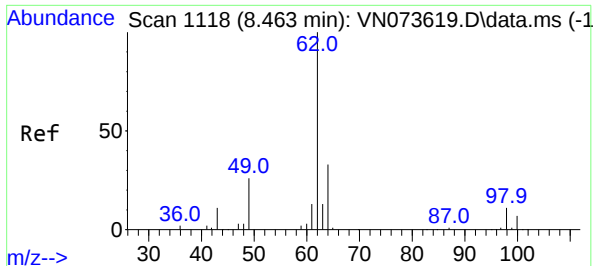
Tgt Ion:117 Resp: 54278
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.449 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.065 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

Tgt Ion: 41 Resp: 1882
Ion Ratio Lower Upper
41 100
39 49.4 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.331 ug/l

RT: 8.504 min Scan# 1125

Delta R.T. 0.041 min

Lab File: VN073949.D

Acq: 16 Aug 2022 15:22

Instrument :

MSVOA_N

ClientSampleId :

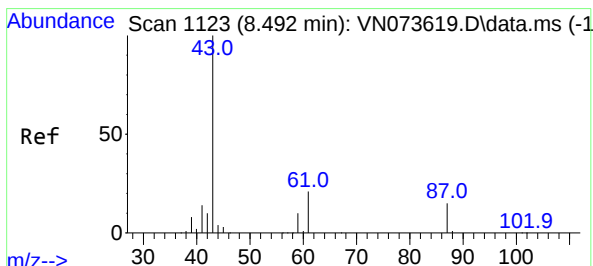
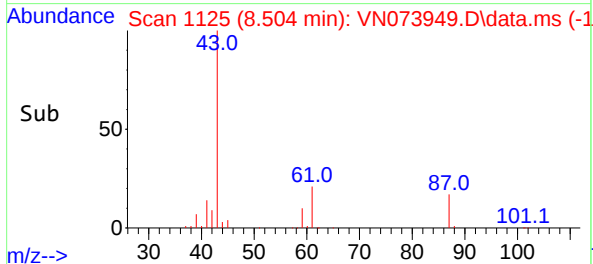
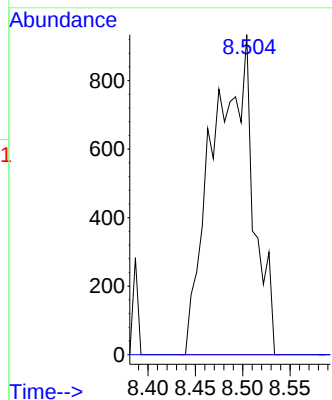
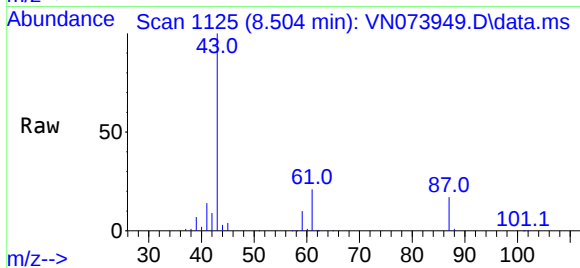
PB146976ZHE#05

Tgt Ion: 62 Resp: 2748

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 27.674 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073949.D

Acq: 16 Aug 2022 15:22

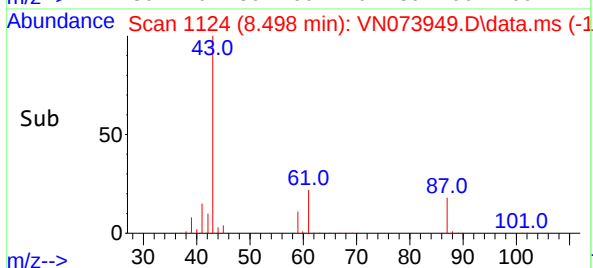
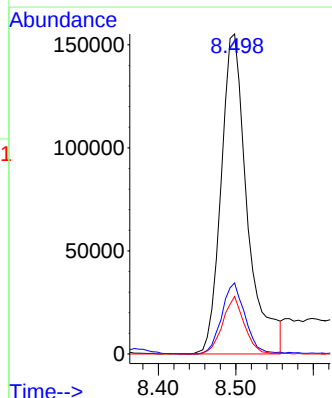
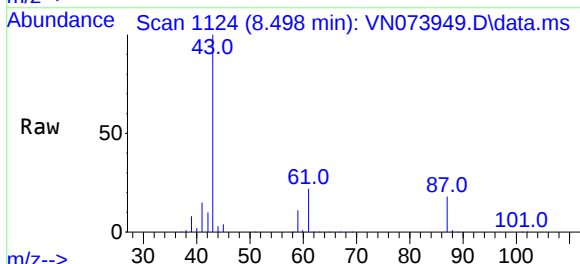
Tgt Ion: 43 Resp: 365540

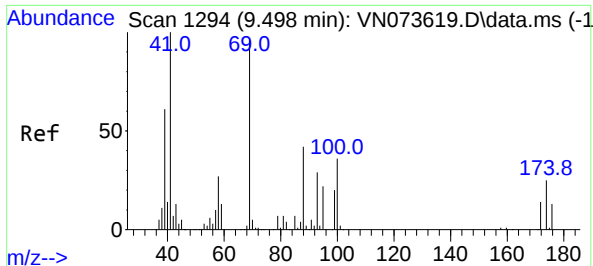
Ion Ratio Lower Upper

43 100

61 20.2 21.9 32.9#

87 14.9 12.0 18.0

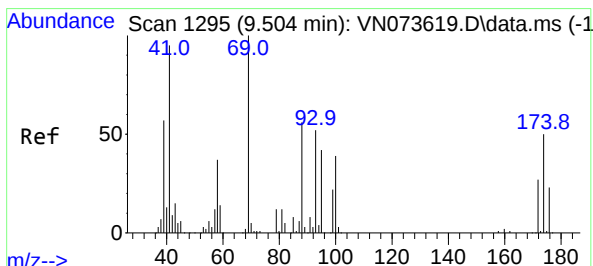
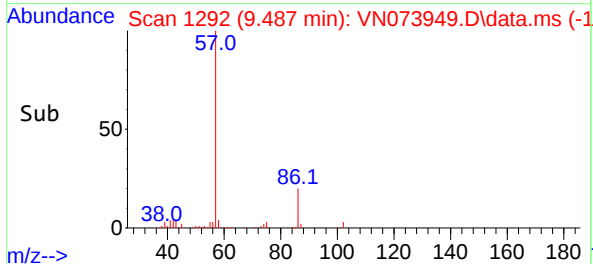
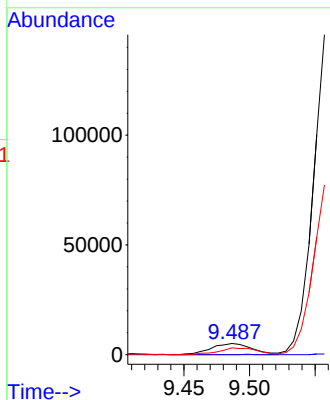
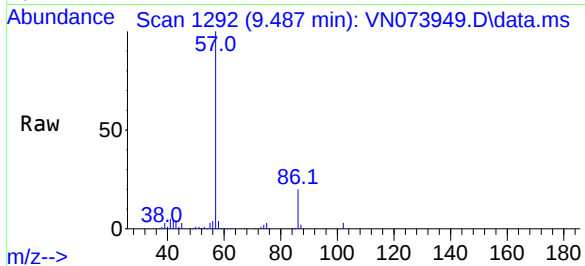




#48
Methyl methacrylate
Concen: 1.984 ug/l
RT: 9.487 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

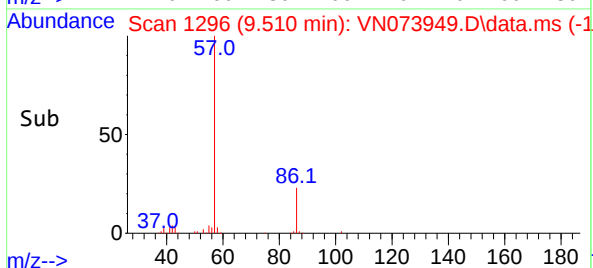
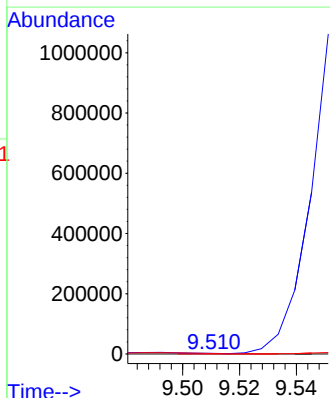
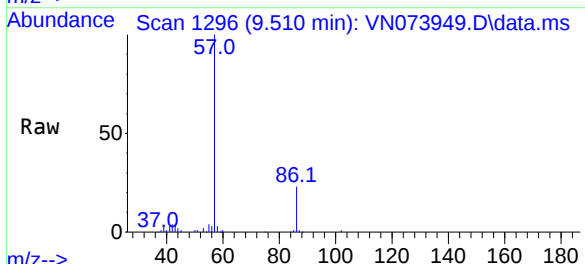
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#05

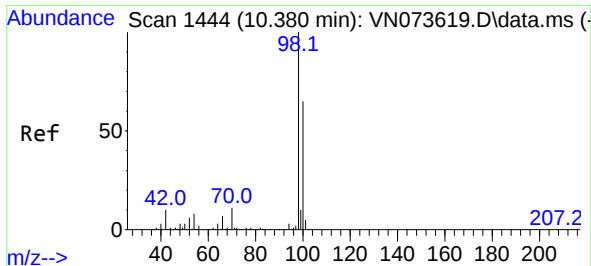
Tgt Ion: 41 Resp: 11216
Ion Ratio Lower Upper
41 100
69 0.6 74.7 112.1#
39 56.9 45.6 68.4



#49
1,4-Dioxane
Concen: 0.744 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

Tgt Ion: 88 Resp: 125
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 7272.0 54.2 81.4#

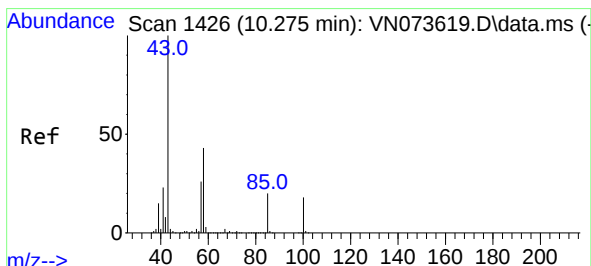
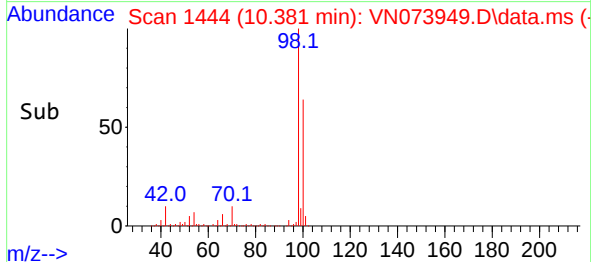
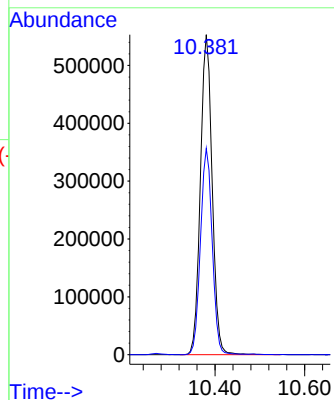
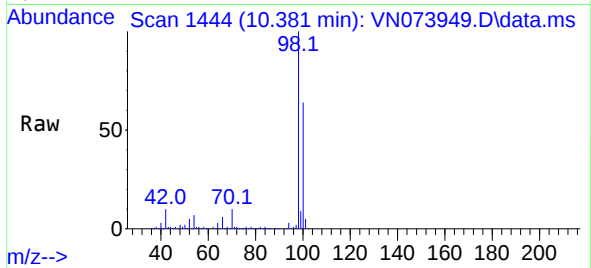




#50
Toluene-d8
Concen: 47.043 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

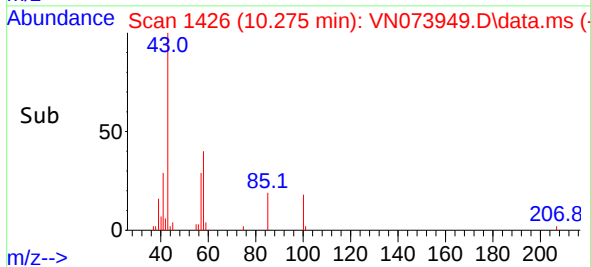
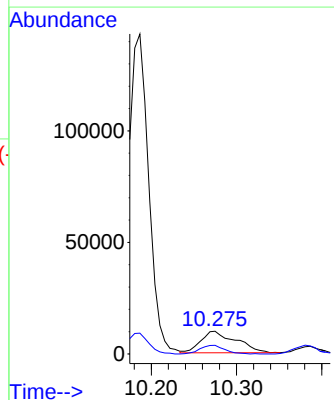
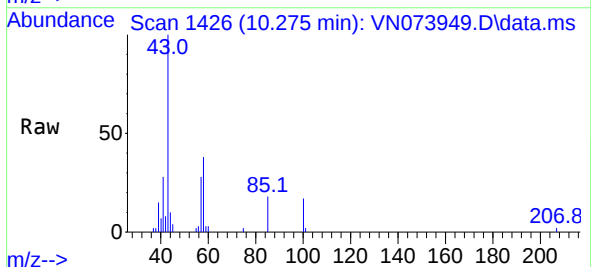
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#05

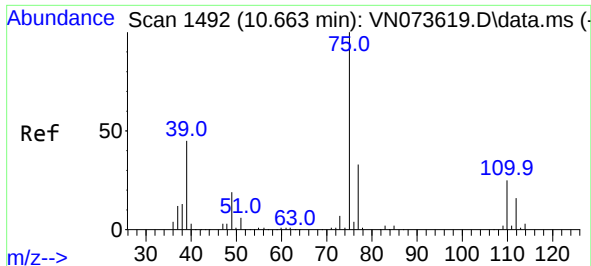
Tgt Ion: 98 Resp: 1003916
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.103 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

Tgt Ion: 43 Resp: 27714
Ion Ratio Lower Upper
43 100
58 28.2 34.1 51.1#

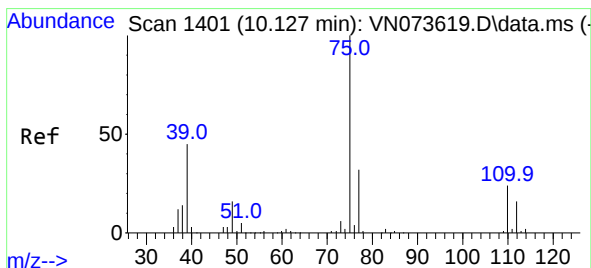
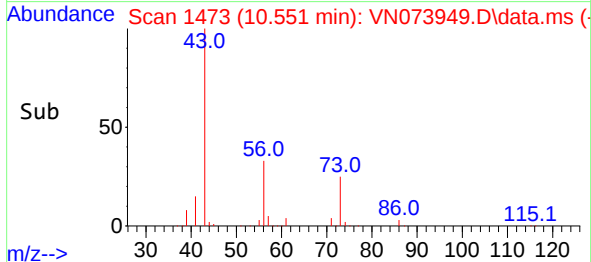
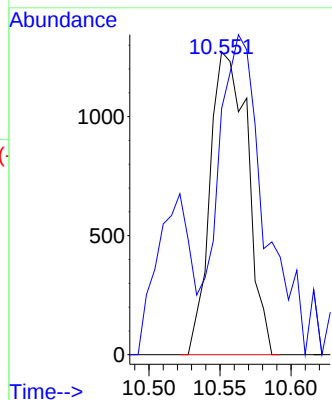
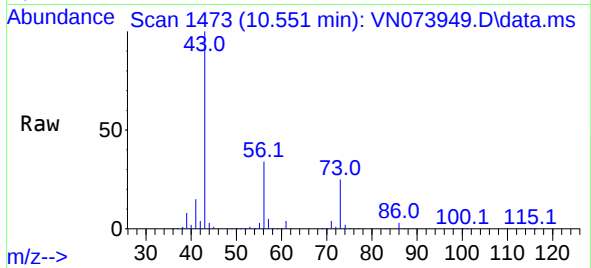




#53
t-1,3-Dichloropropene
Concen: 0.265 ug/l
RT: 10.551 min Scan# 1410
Delta R.T. -0.112 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

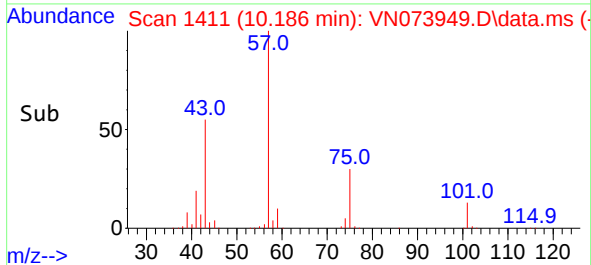
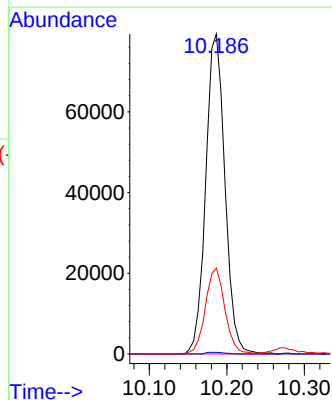
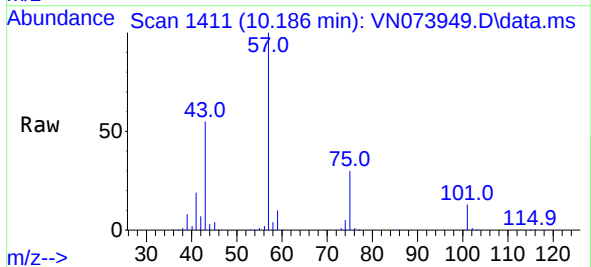
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#05

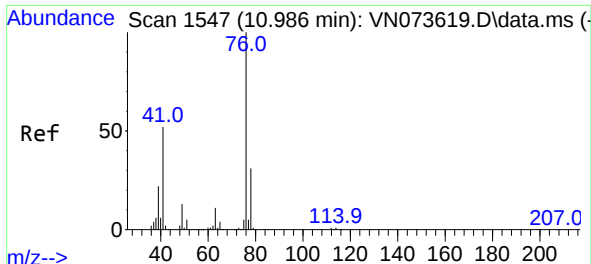
Tgt Ion: 75 Resp: 2337
Ion Ratio Lower Upper
75 100
77 49.1 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 14.089 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

Tgt Ion: 75 Resp: 136096
Ion Ratio Lower Upper
75 100
77 0.5 25.2 37.8#
39 26.9 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.756 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN073949.D

Acq: 16 Aug 2022 15:22

Instrument :

MSVOA_N

ClientSampleId :

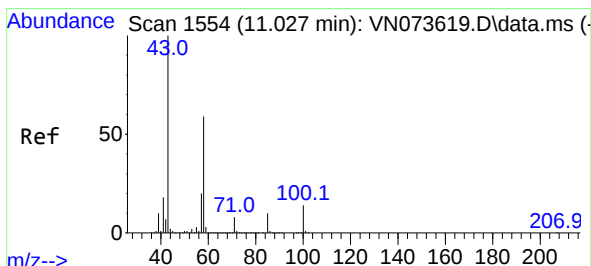
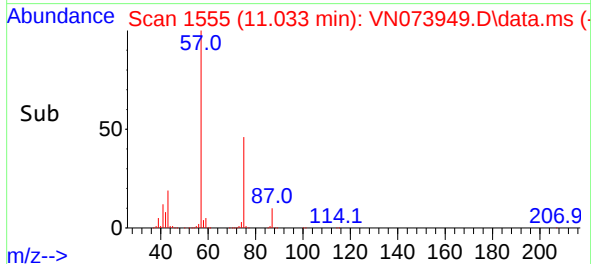
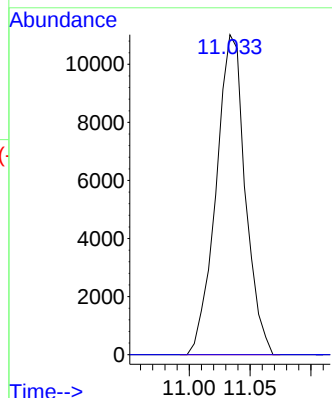
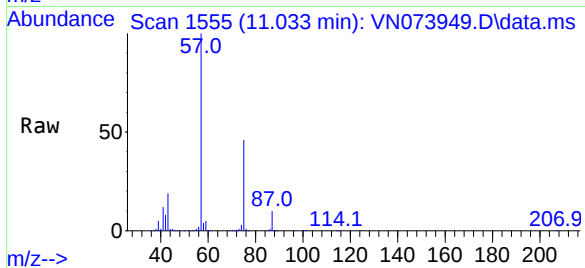
PB146976ZHE#05

Tgt Ion: 76 Resp: 18401

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 32.165 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073949.D

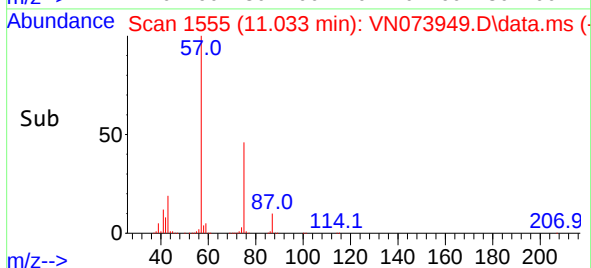
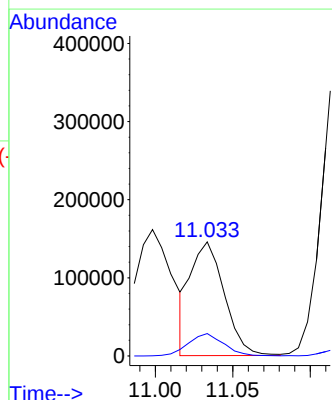
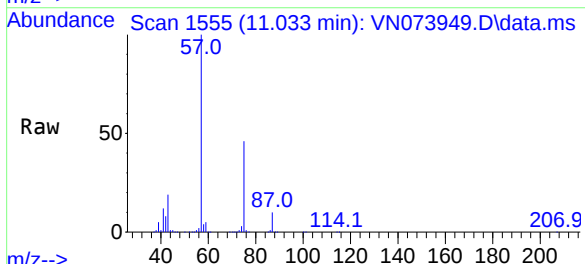
Acq: 16 Aug 2022 15:22

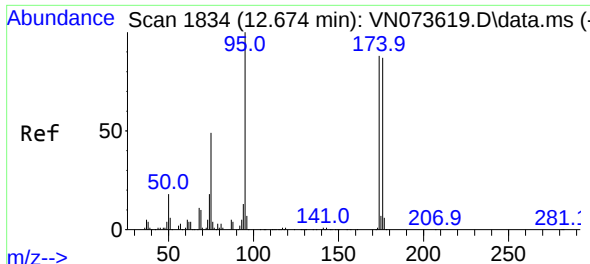
Tgt Ion: 43 Resp: 221064

Ion Ratio Lower Upper

43 100

58 20.7 29.7 89.1#

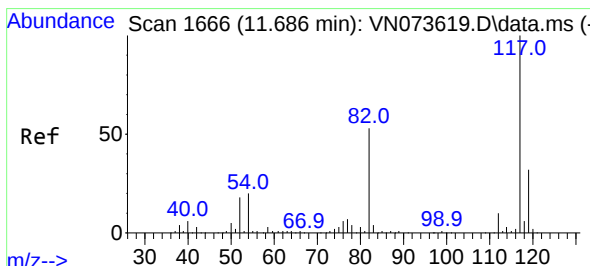
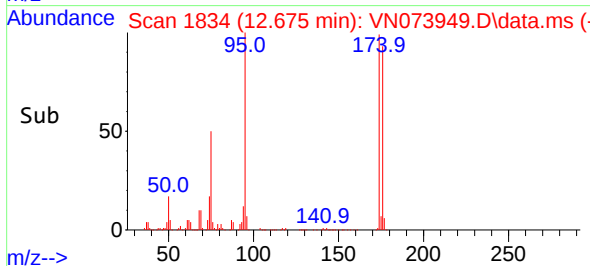
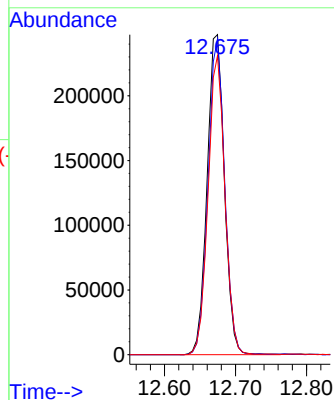
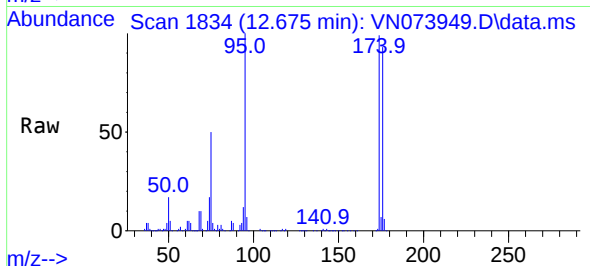




#62
4-Bromofluorobenzene
Concen: 59.080 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

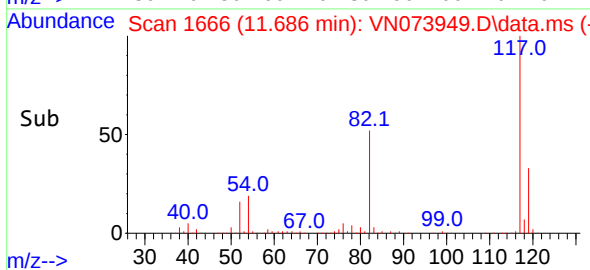
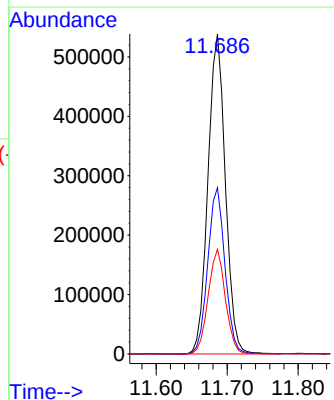
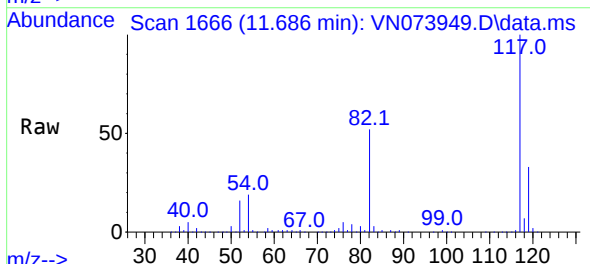
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#05

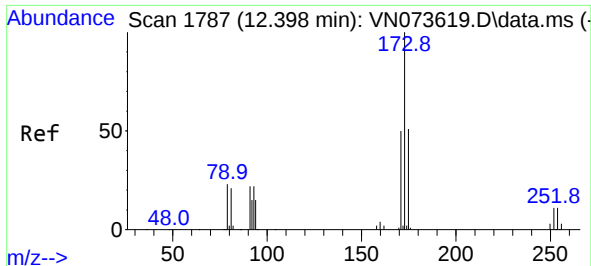
Tgt Ion: 95 Resp: 418427
Ion Ratio Lower Upper
95 100
174 95.5 0.0 167.6
176 91.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

Tgt Ion: 117 Resp: 917713
Ion Ratio Lower Upper
117 100
82 51.9 44.2 66.2
119 32.7 25.4 38.0

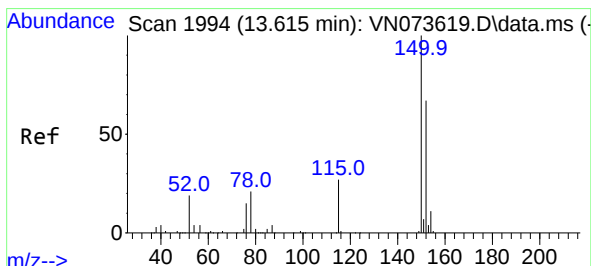
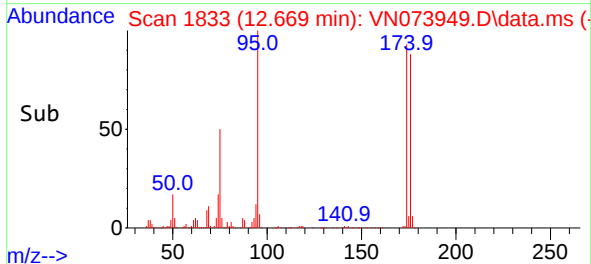
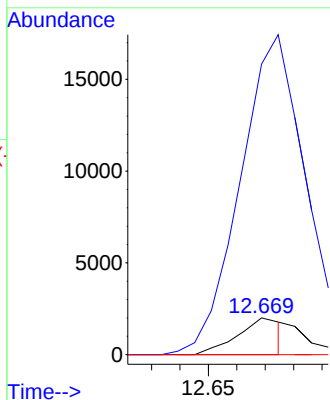
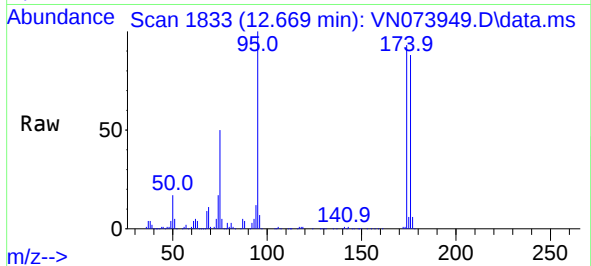




#71
Bromoform
Concen: 0.328 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

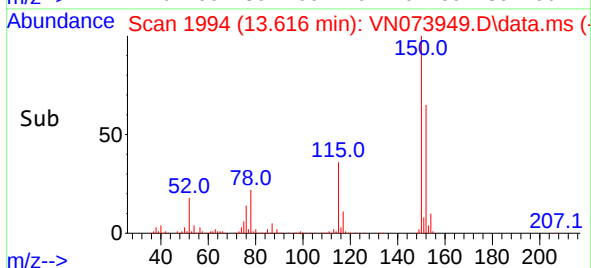
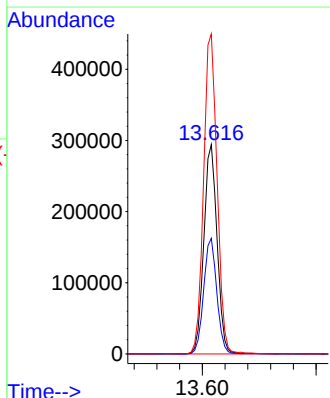
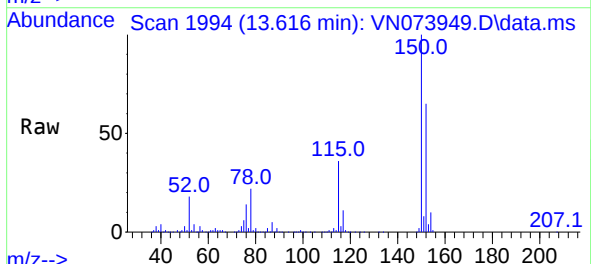
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#05

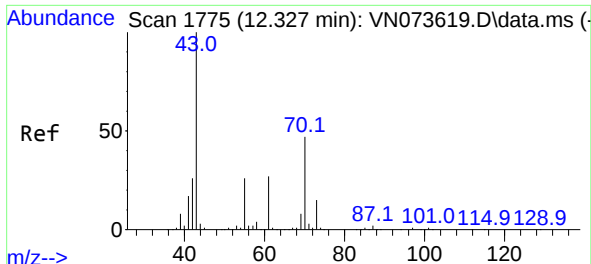
Tgt Ion:173 Resp: 2166
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

Tgt Ion:152 Resp: 475666
Ion Ratio Lower Upper
152 100
115 54.7 28.9 86.7
150 155.4 0.0 356.2

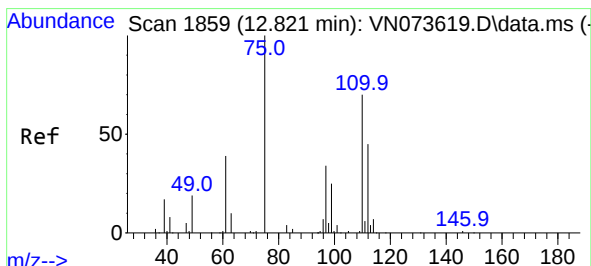
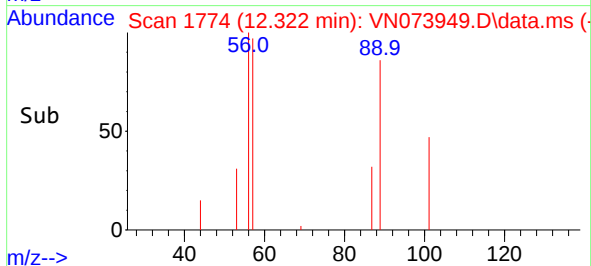
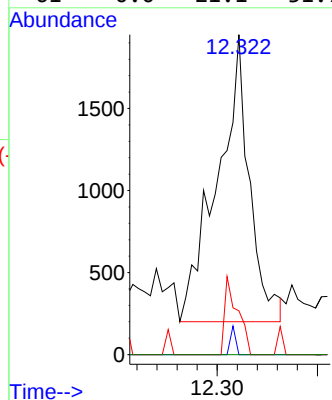
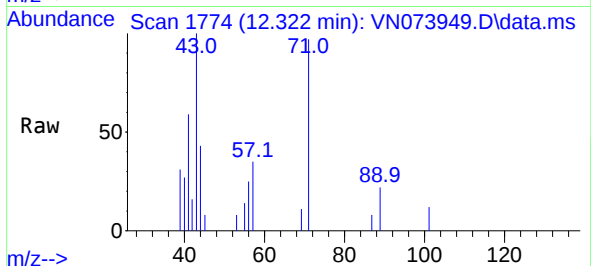




#74
N-amy1 acetate
Concen: 0.296 ug/l
RT: 12.322 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

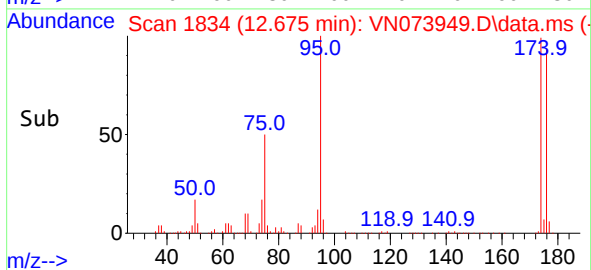
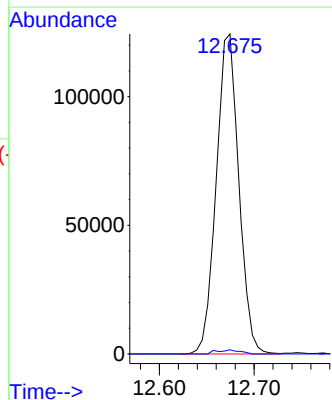
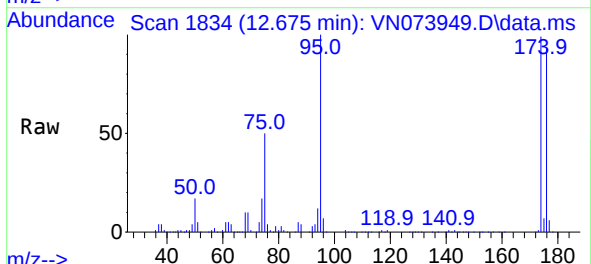
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#05

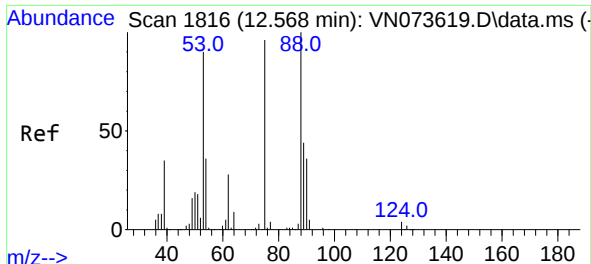
Tgt Ion:	43	Resp:	3881
Ion	Ratio	Lower	Upper
43	100		
70	1.6	39.0	58.4#
55	11.0	21.1	31.7#
61	0.0	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 20.870 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.146 min
Lab File: VN073949.D
Acq: 16 Aug 2022 15:22

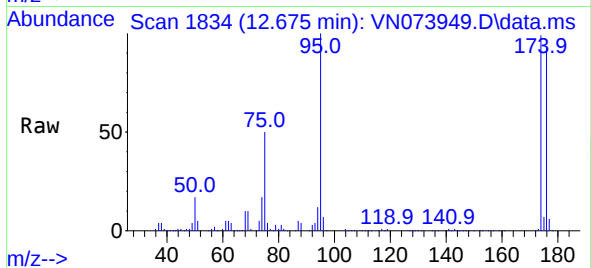
Tgt Ion:	75	Resp:	206335
Ion	Ratio	Lower	Upper
75	100		
77	1.3	98.5	295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.358 ug/l
 RT: 12.675 min Scan# 11
 Delta R.T. 0.107 min
 Lab File: VN073949.D
 Acq: 16 Aug 2022 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#05



Tgt Ion: 75 Resp: 206335
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

