

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073953.D
 Acq On : 16 Aug 2022 17:01
 Operator : JC\MD
 Sample : PB146976ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#09

Quant Time: Aug 17 01:18:00 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)

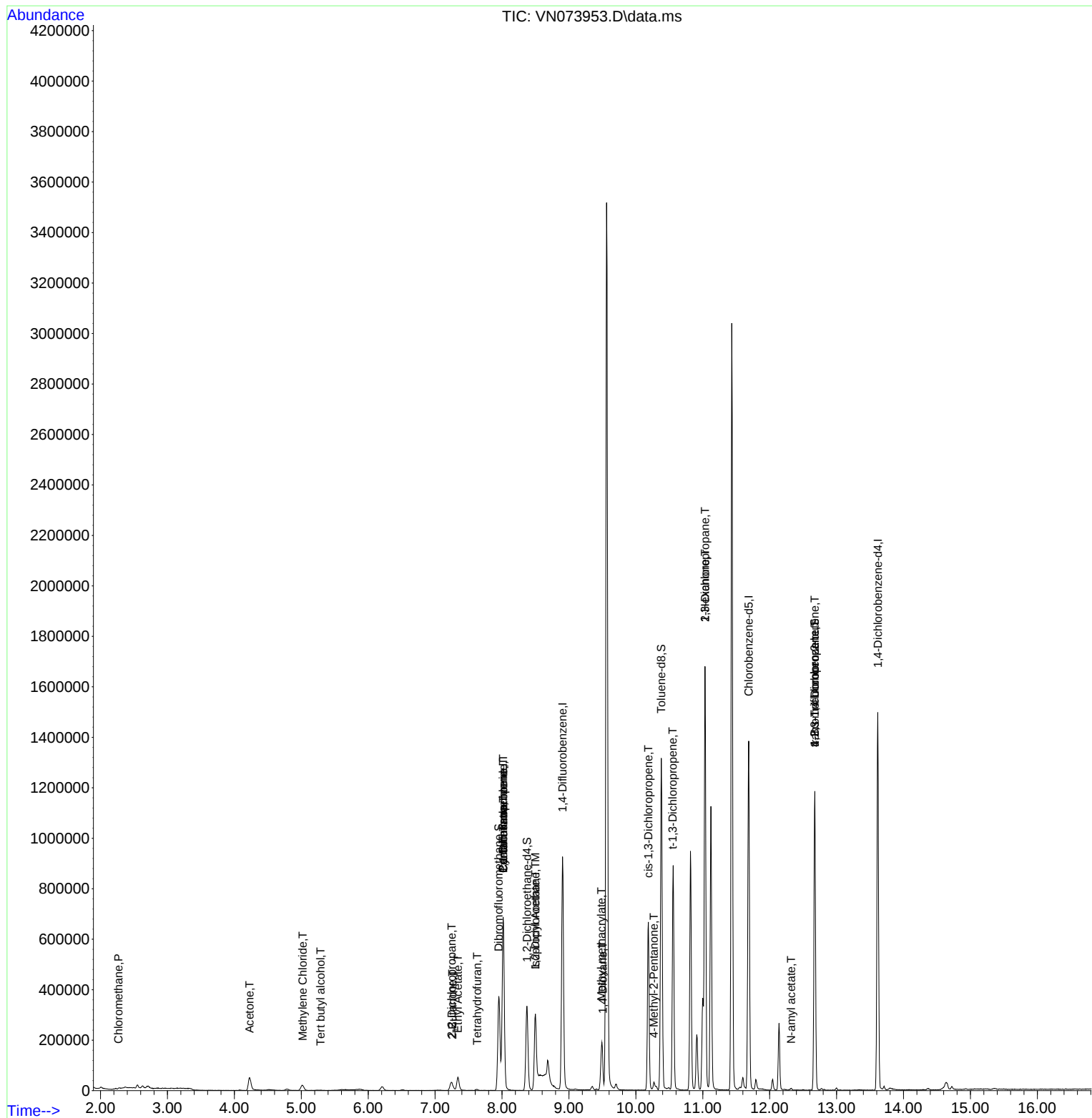
Internal Standards						
1) Pentafluorobenzene	8.016	168	580661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	870746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	848047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	441858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	285249	50.436	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.880%			
35) Dibromofluoromethane	7.951	113	275129	53.428	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.860%			
50) Toluene-d8	10.381	98	936861	46.976	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.960%			
62) 4-Bromofluorobenzene	12.674	95	384850	58.144	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.280%			
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	1079	0.211	ug/l	98
11) Tert butyl alcohol	5.287	59	1374	1.086	ug/l #	72
16) Acetone	4.228	43	92991	34.851	ug/l	98
18) Methyl Acetate	4.775	43	11402	Below Cal	#	67
20) Methylene Chloride	5.022	84	18957	3.367	ug/l	94
25) 2-Butanone	7.257	43	15152	3.581	ug/l	94
26) 2,2-Dichloropropane	7.245	77	1811	0.215	ug/l #	53
29) Tetrahydrofuran	7.628	42	3586	1.321	ug/l #	82
31) Cyclohexane	8.016	56	9422	1.195	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	37041	5.179	ug/l #	49
37) Ethyl Acetate	7.340	43	78080	9.011	ug/l	98
38) Carbon Tetrachloride	8.016	117	50388	6.163	ug/l #	17
42) 1,2-Dichloroethane	8.498	62	2366	0.305	ug/l #	74
43) Isopropyl Acetate	8.498	43	374264	30.319	ug/l #	90
48) Methyl methacrylate	9.486	41	11328	2.145	ug/l #	40
49) 1,4-Dioxane	9.504	88	148	0.942	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	19681	2.358	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	2511	0.304	ug/l #	42
54) cis-1,3-Dichloropropene	10.186	75	133090	14.743	ug/l #	59
57) 1,3-Dichloropropane	11.033	76	19070	1.948	ug/l #	42
59) 2-Hexanone	11.033	43	218589	34.032	ug/l #	49
74) N-amyl acetate	12.322	43	3246	0.267	ug/l #	48
76) 1,2,3-Trichloropropane	12.674	75	192651	20.977	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	192651	59.662	ug/l #	10

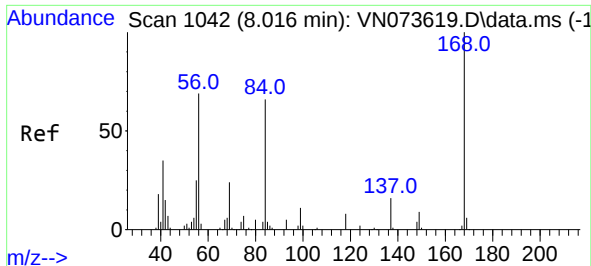
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
Data File : VN073953.D
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Sample : PB146976ZHE#09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#09

Quant Time: Aug 17 01:18:00 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

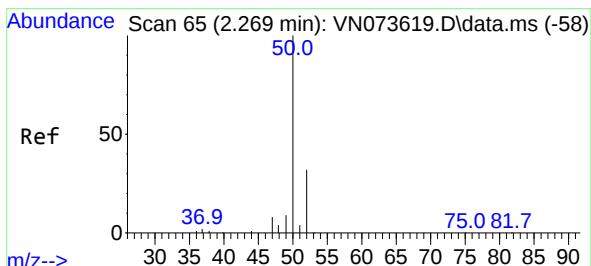
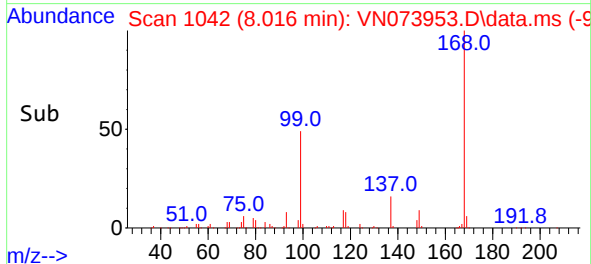
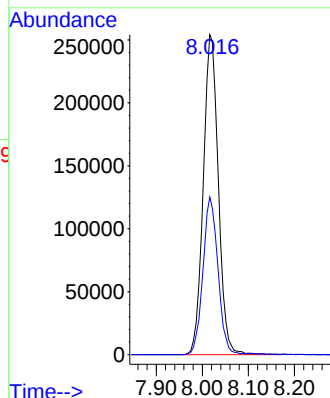
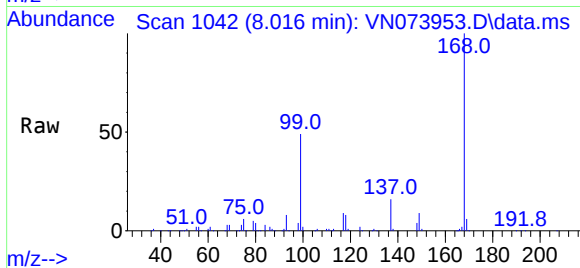




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

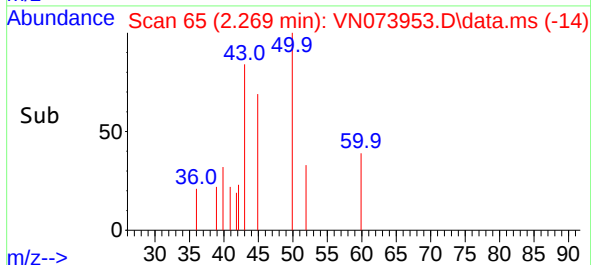
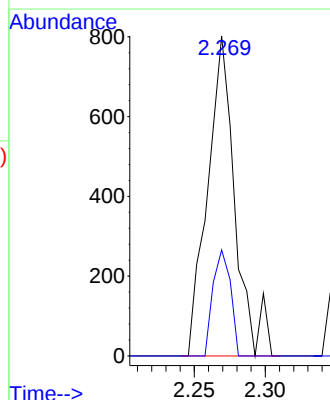
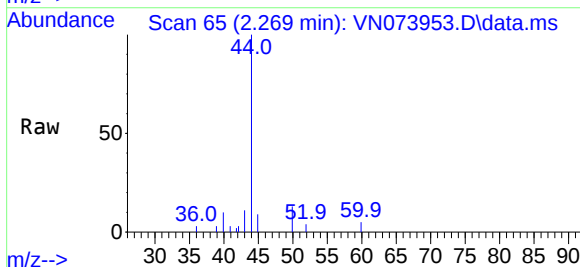
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#09

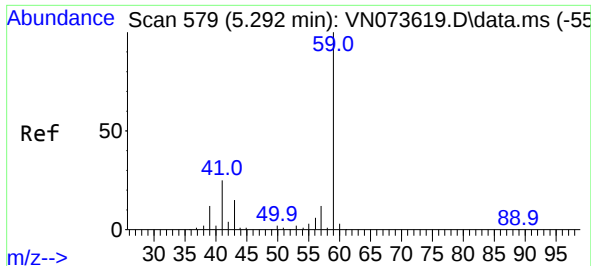
Tgt Ion:168 Resp: 580661
Ion Ratio Lower Upper
168 100
99 49.2 42.3 63.5



#3
Chloromethane
Concen: 0.211 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

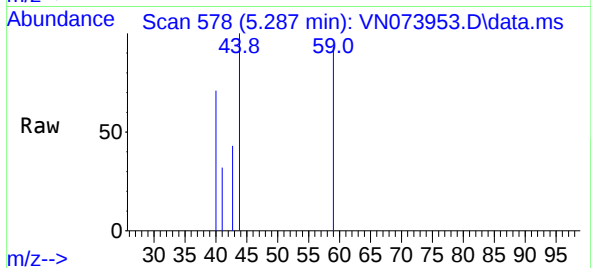
Tgt Ion: 50 Resp: 1079
Ion Ratio Lower Upper
50 100
52 33.2 25.7 38.5



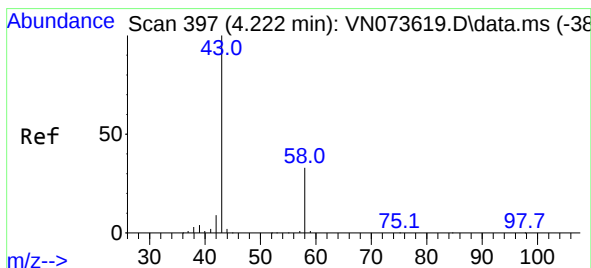
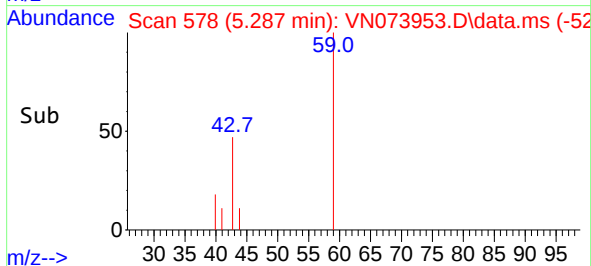
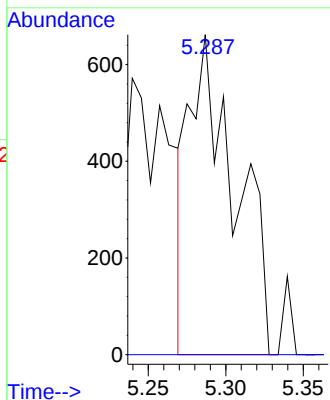


#11
Tert butyl alcohol
Concen: 1.086 ug/l
RT: 5.287 min Scan# 51
Delta R.T. -0.005 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#09

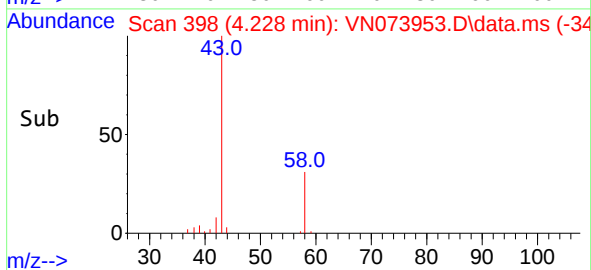
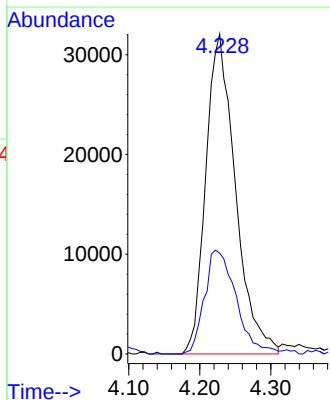
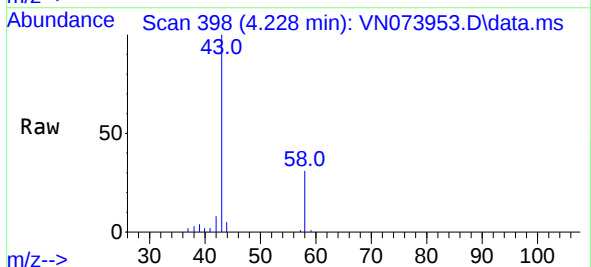


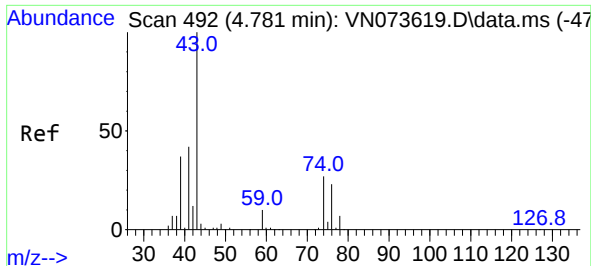
Tgt Ion: 59 Resp: 1374
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 34.851 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Tgt Ion: 43 Resp: 92991
Ion Ratio Lower Upper
43 100
58 31.5 26.0 39.0

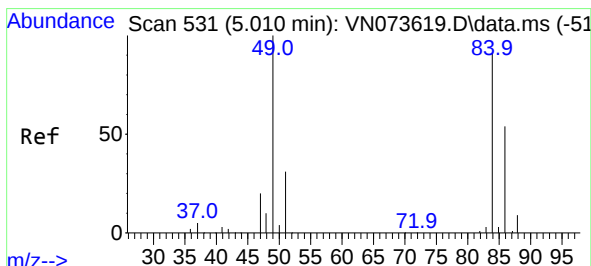
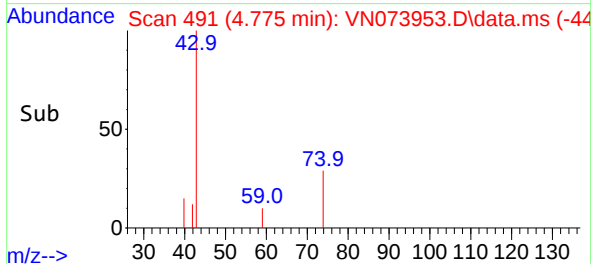
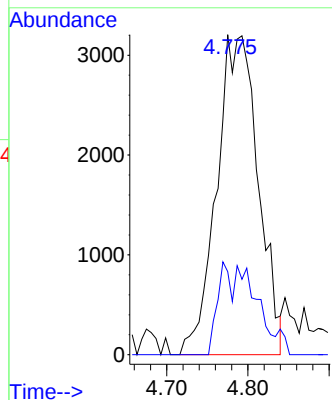
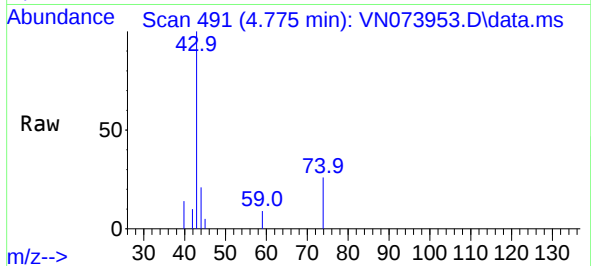




#18
Methyl Acetate
Concen: Below Cal
RT: 4.775 min Scan# 491
Delta R.T. -0.006 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

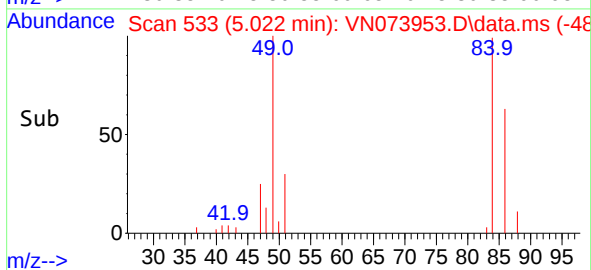
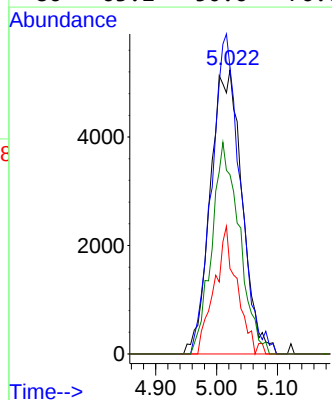
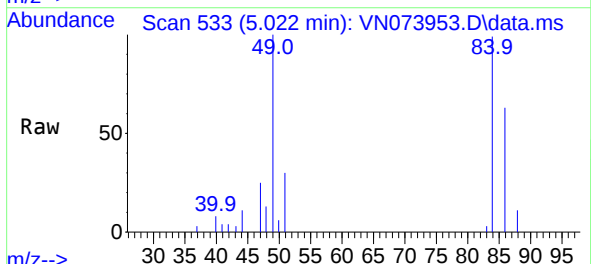
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#09

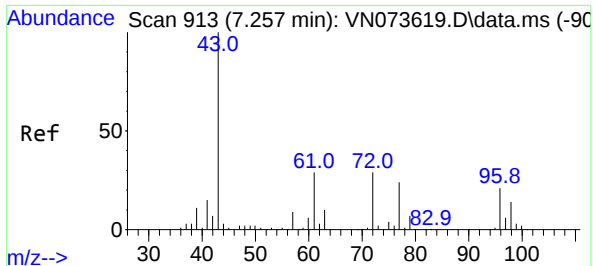
Tgt Ion: 43 Resp: 11402
Ion Ratio Lower Upper
43 100
74 9.9 21.6 32.4#



#20
Methylene Chloride
Concen: 3.367 ug/l
RT: 5.022 min Scan# 533
Delta R.T. 0.012 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Tgt Ion: 84 Resp: 18957
Ion Ratio Lower Upper
84 100
49 101.0 88.3 132.5
51 30.1 28.2 42.2
86 63.2 50.6 76.0

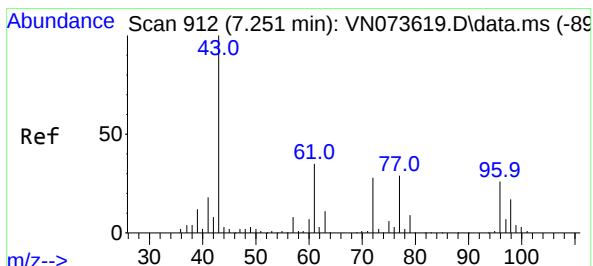
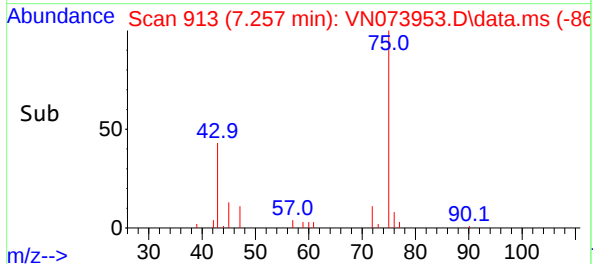
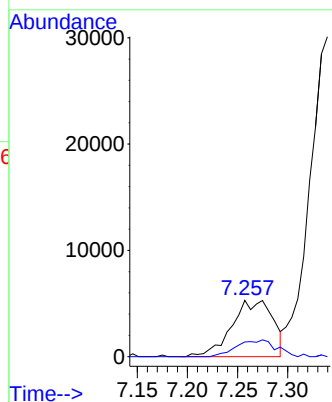
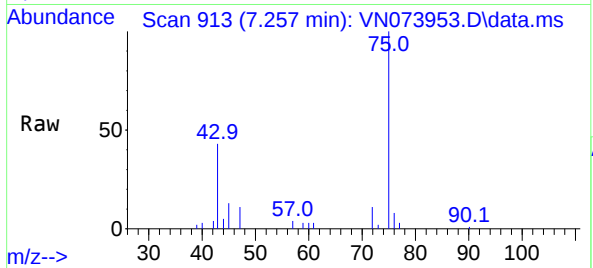




#25
2-Butanone
Concen: 3.581 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

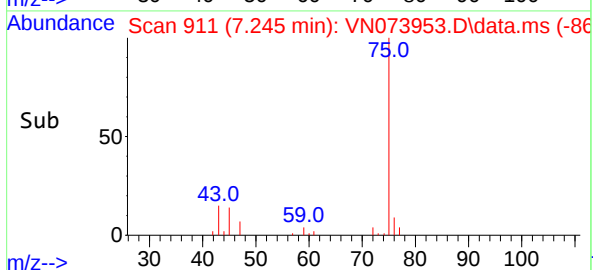
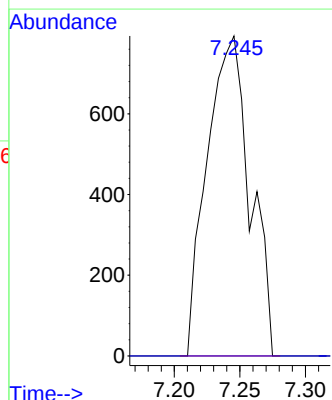
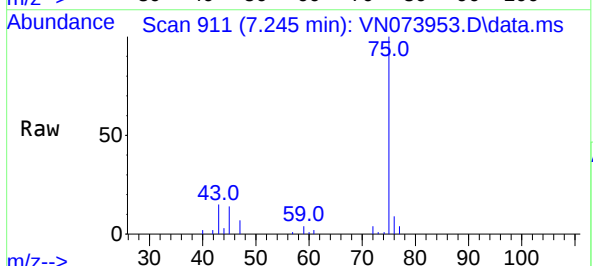
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#09

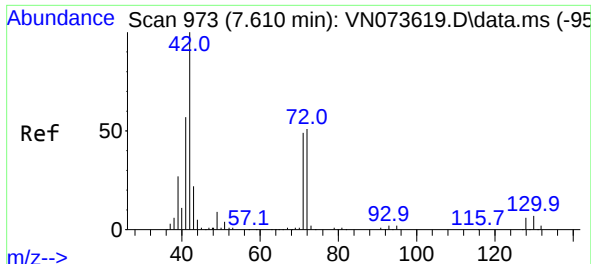
Tgt Ion: 43 Resp: 15152
Ion Ratio Lower Upper
43 100
72 26.2 23.7 35.5



#26
2,2-Dichloropropane
Concen: 0.215 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Tgt Ion: 77 Resp: 1811
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

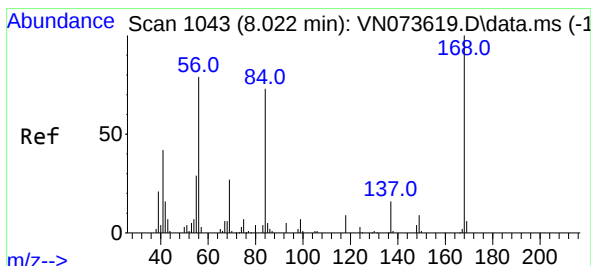
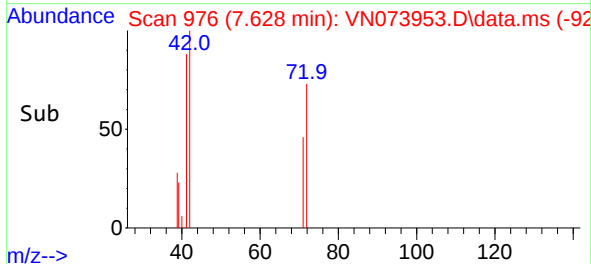
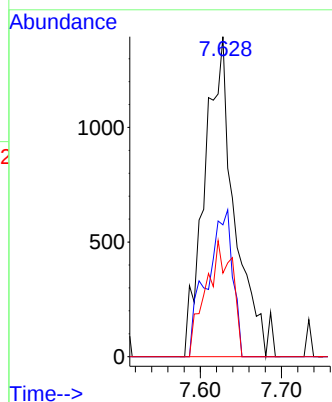
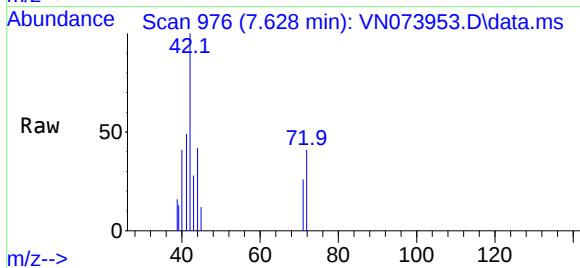




#29
Tetrahydrofuran
Concen: 1.321 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

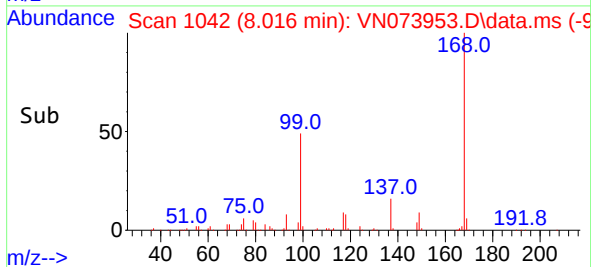
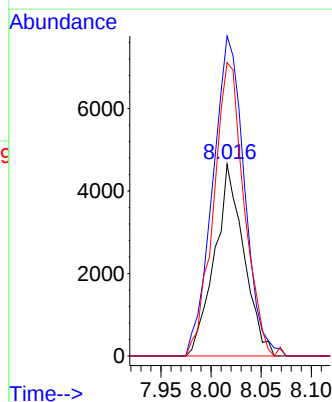
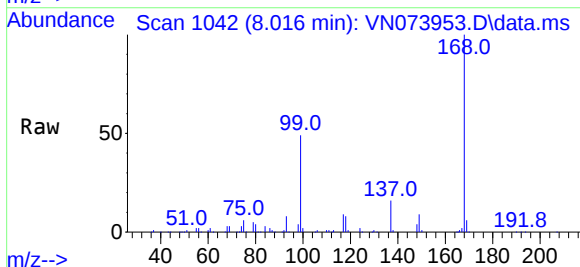
Instrument :
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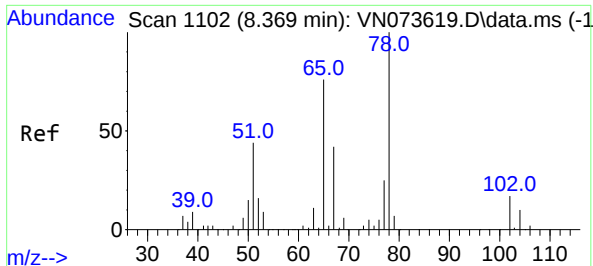
Tgt Ion: 42 Resp: 3586
Ion Ratio Lower Upper
42 100
72 39.4 39.7 59.5#
71 31.9 36.6 55.0#



#31
Cyclohexane
Concen: 1.195 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Tgt Ion: 56 Resp: 9422
Ion Ratio Lower Upper
56 100
69 167.0 27.8 41.8#
84 153.1 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 50.436 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073953.D

Acq: 16 Aug 2022 17:01

Instrument :

MSVOA_N

ClientSampleId :

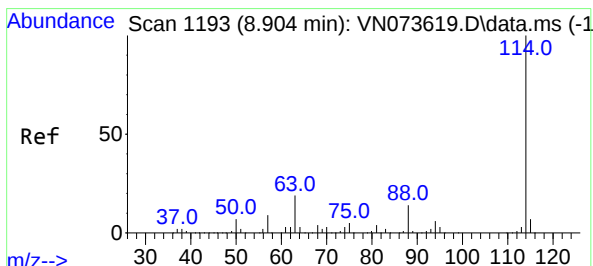
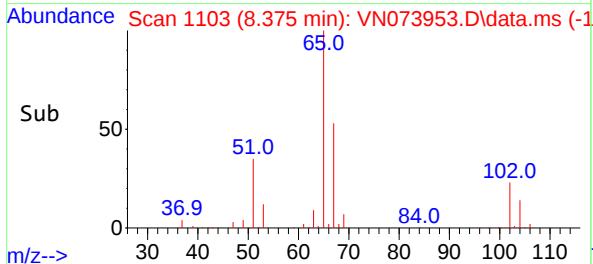
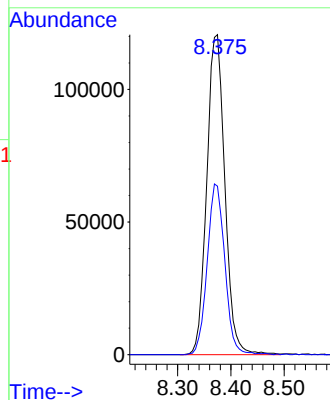
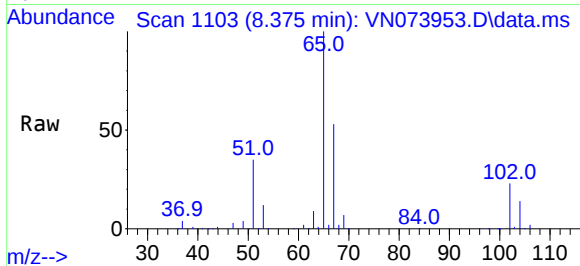
PB146976ZHE#09

Tgt Ion: 65 Resp: 285249

Ion Ratio Lower Upper

65 100

67 51.9 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: VN073953.D

Acq: 16 Aug 2022 17:01

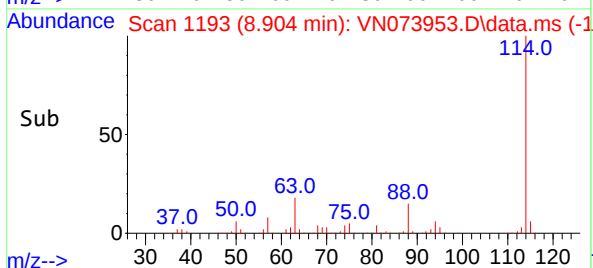
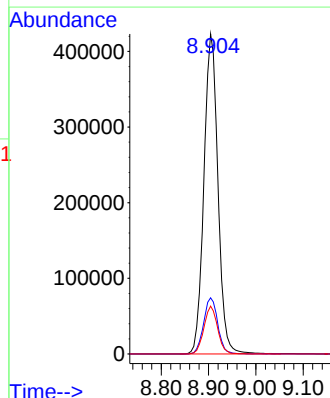
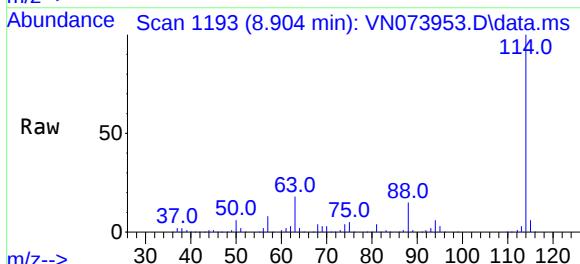
Tgt Ion: 114 Resp: 870746

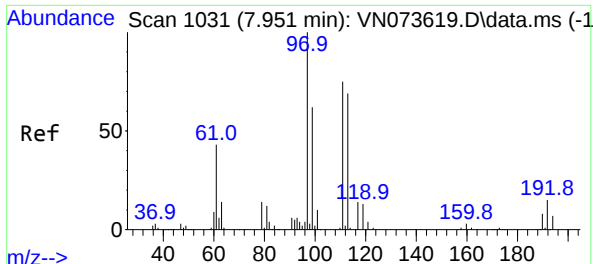
Ion Ratio Lower Upper

114 100

63 17.5 0.0 40.0

88 14.9 0.0 32.6

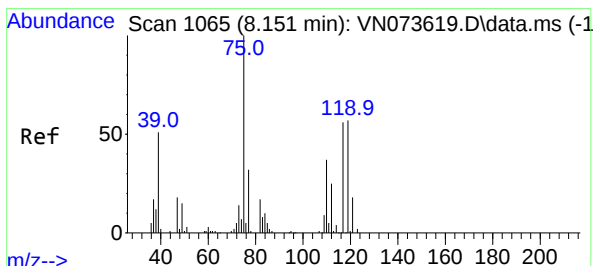
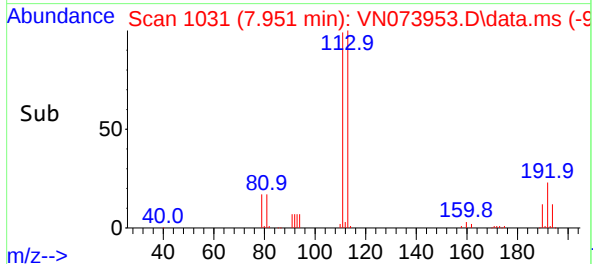
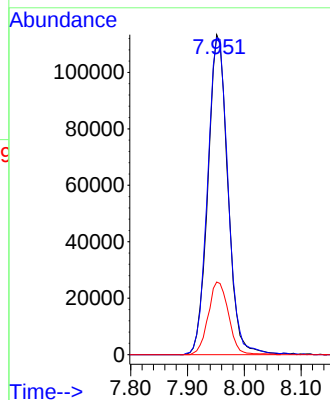
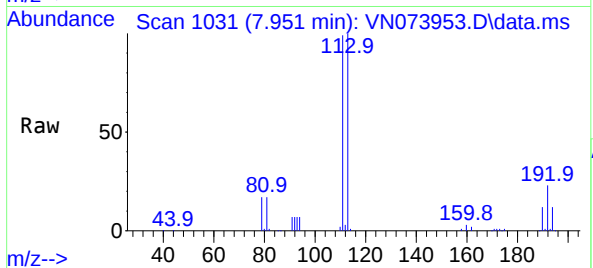




#35
Dibromofluoromethane
Concen: 53.428 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

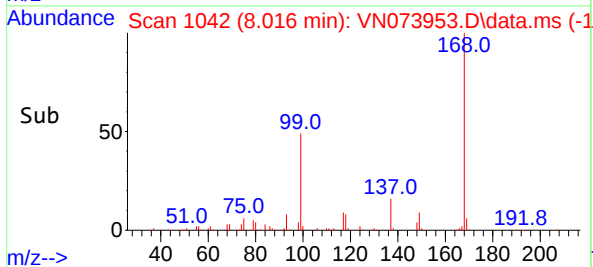
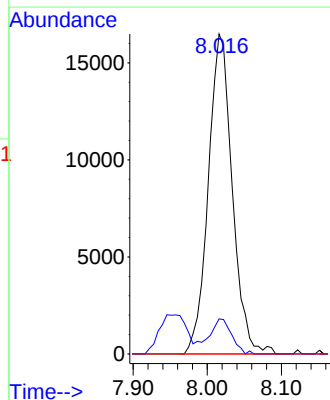
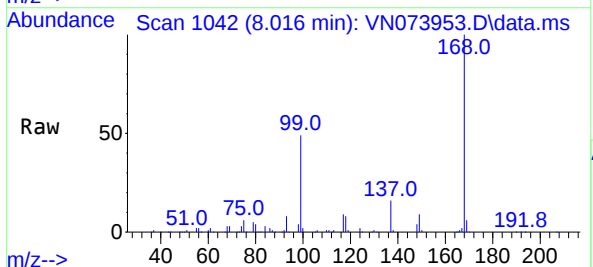
Instrument :
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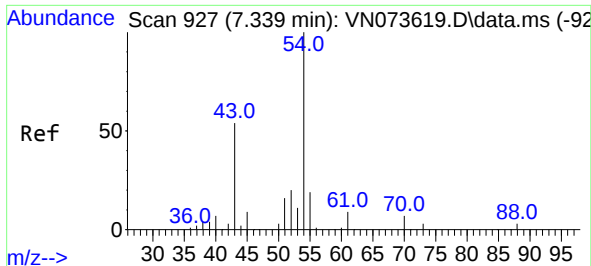
Tgt Ion:113 Resp: 275129
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 23.2 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.179 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

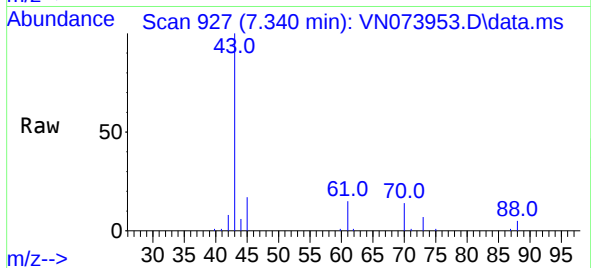
Tgt Ion: 75 Resp: 37041
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 25.1 37.7#



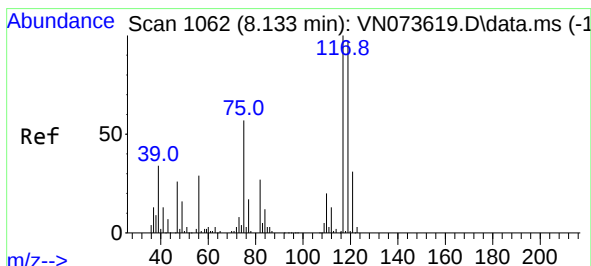
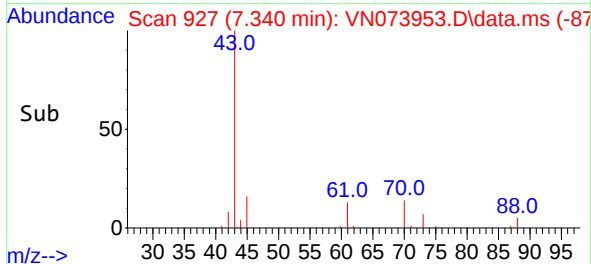
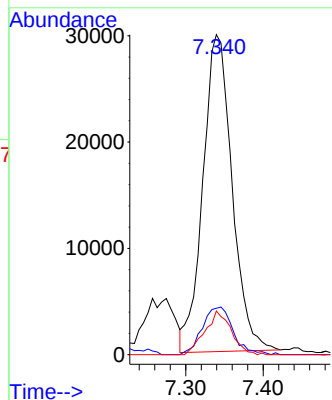


#37
Ethyl Acetate
Concen: 9.011 ug/l
RT: 7.340 min Scan# 91
Delta R.T. 0.001 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#09

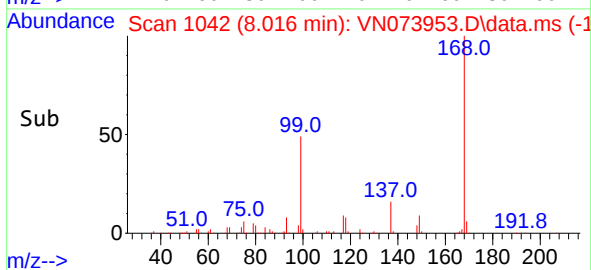
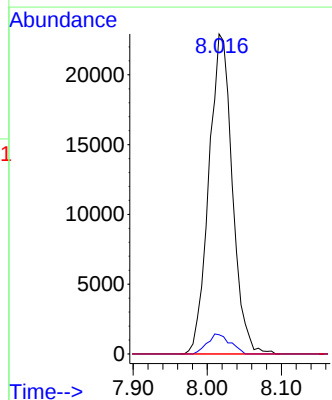
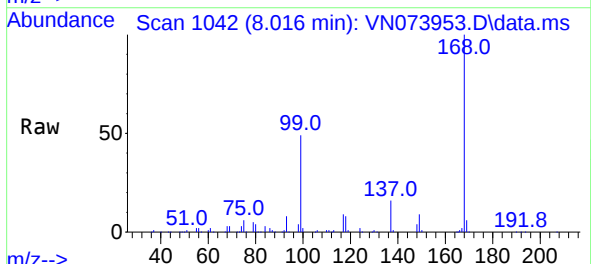


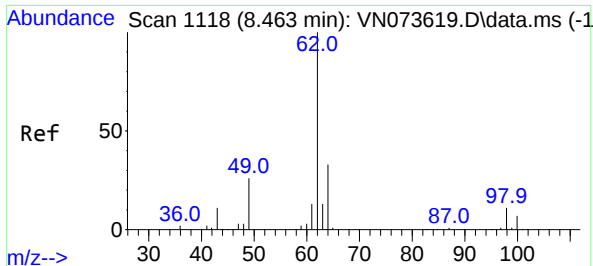
Tgt Ion: 43 Resp: 78080
Ion Ratio Lower Upper
43 100
61 15.8 11.8 17.6
70 12.4 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.163 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Tgt Ion: 117 Resp: 50388
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.8#
121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.305 ug/l

RT: 8.498 min Scan# 1118

Delta R.T. 0.035 min

Lab File: VN073953.D

Acq: 16 Aug 2022 17:01

Instrument :

MSVOA_N

ClientSampleId :

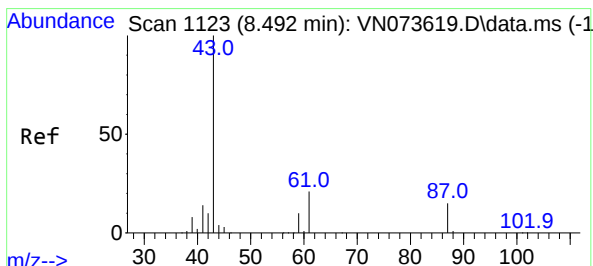
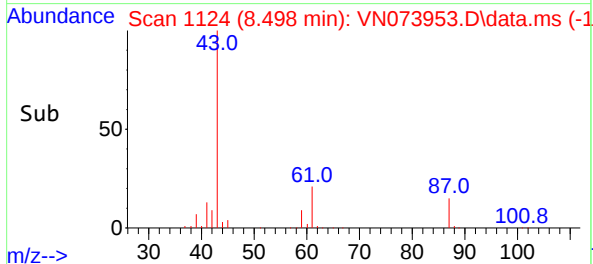
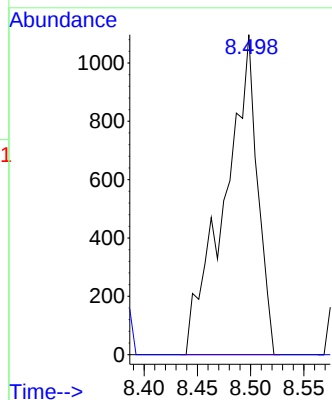
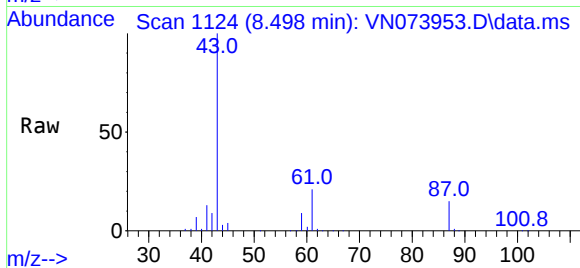
PB146976ZHE#09

Tgt Ion: 62 Resp: 2366

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 30.319 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073953.D

Acq: 16 Aug 2022 17:01

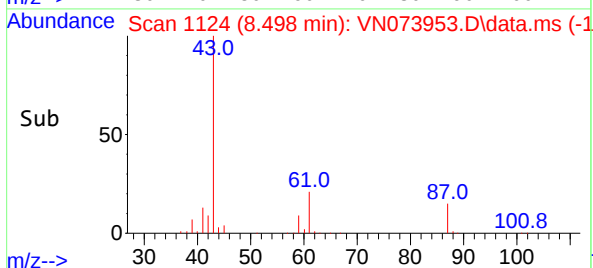
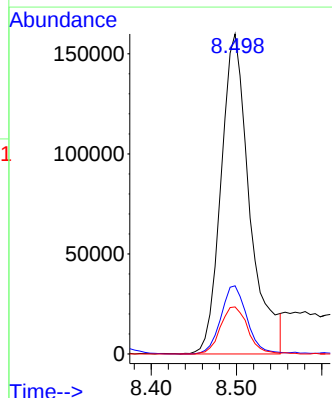
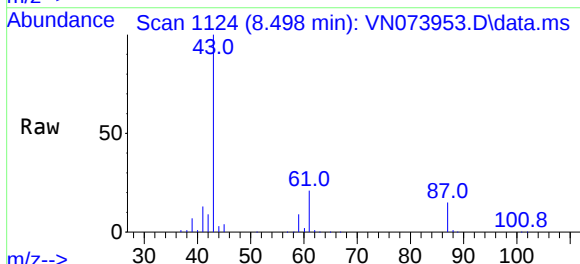
Tgt Ion: 43 Resp: 374264

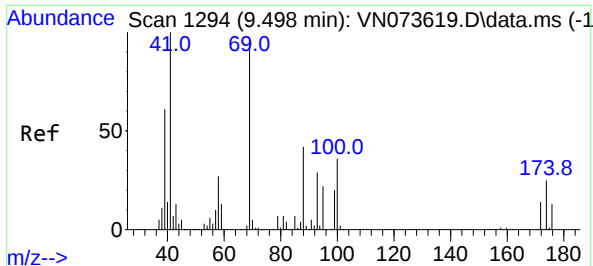
Ion Ratio Lower Upper

43 100

61 19.7 21.9 32.9#

87 14.1 12.0 18.0

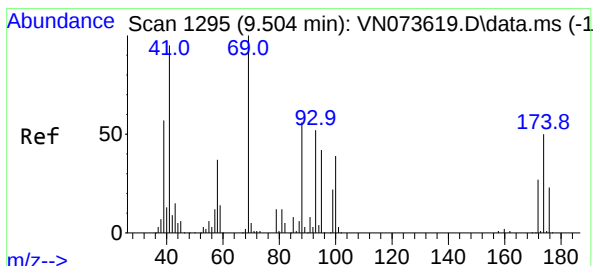
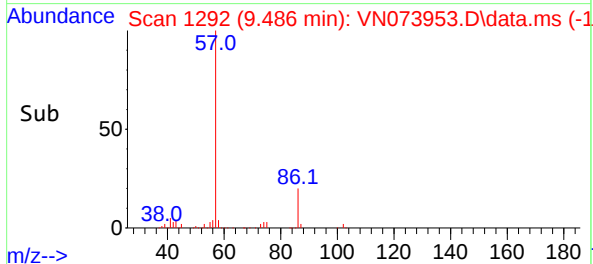
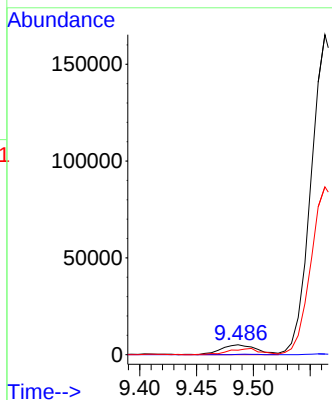
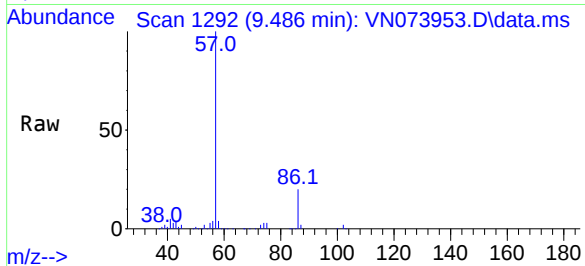




#48
Methyl methacrylate
Concen: 2.145 ug/l
RT: 9.486 min Scan# 11328
Delta R.T. -0.012 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

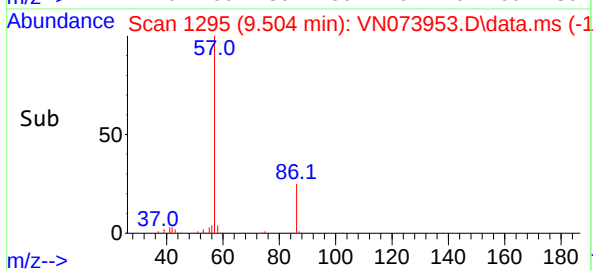
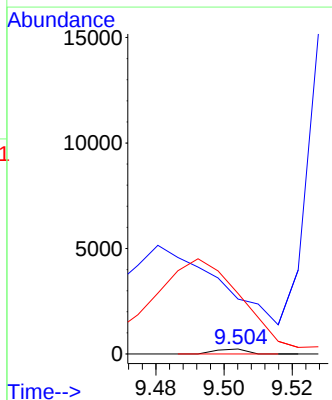
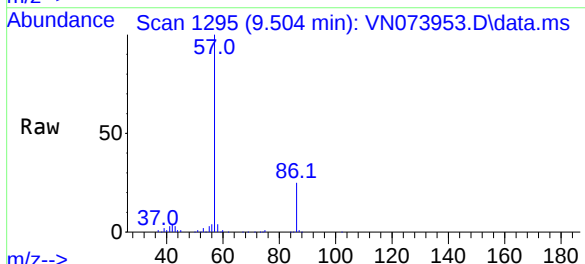
Instrument : MSVOA_N
ClientSampleId : PB146976ZHE#09

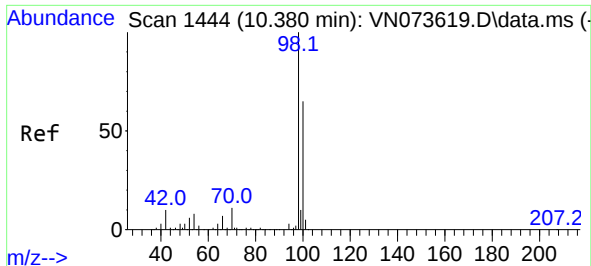
Tgt Ion: 41 Resp: 11328
Ion Ratio Lower Upper
41 100
69 2.5 74.7 112.1#
39 55.0 45.6 68.4



#49
1,4-Dioxane
Concen: 0.942 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 5884.5 54.2 81.4#

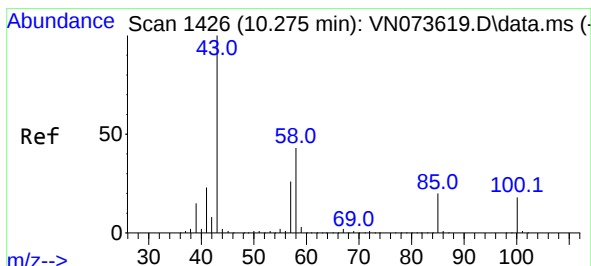
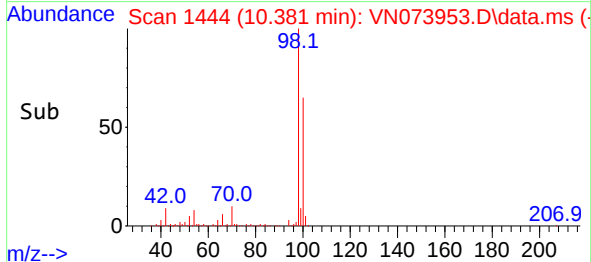
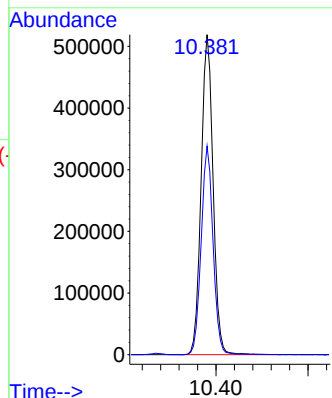
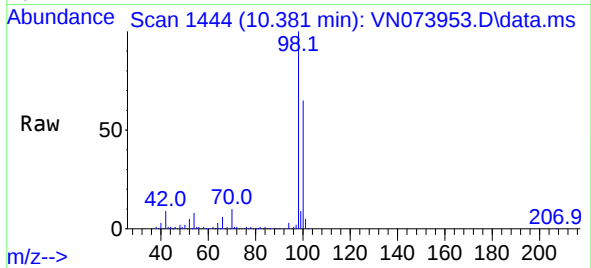




#50
Toluene-d8
Concen: 46.976 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

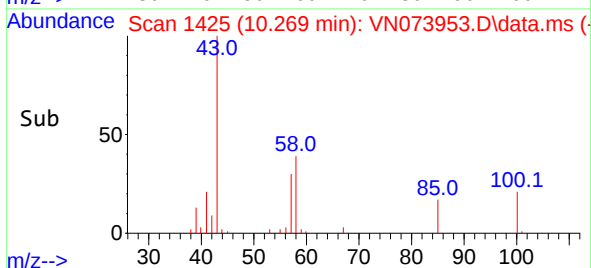
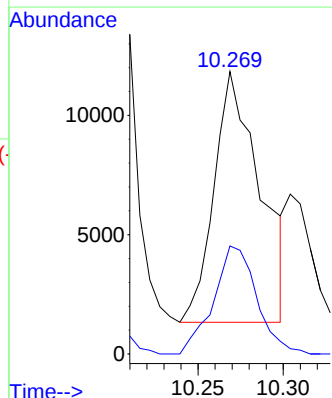
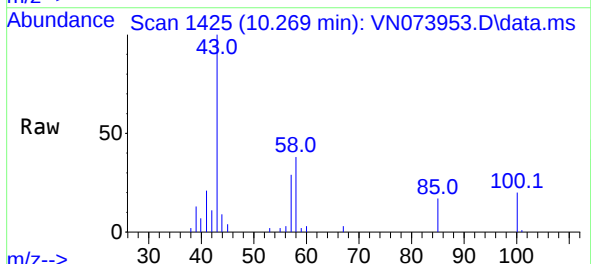
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#09

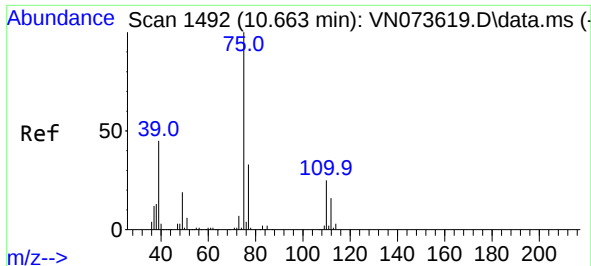
Tgt Ion: 98 Resp: 936861
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.358 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Tgt Ion: 43 Resp: 19681
Ion Ratio Lower Upper
43 100
58 40.5 34.1 51.1

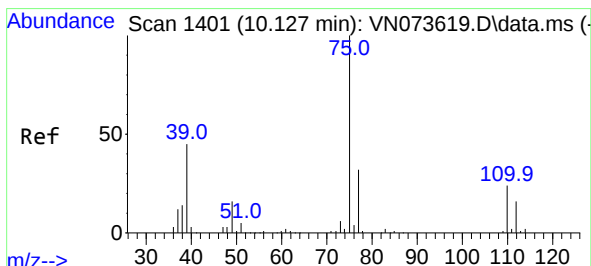
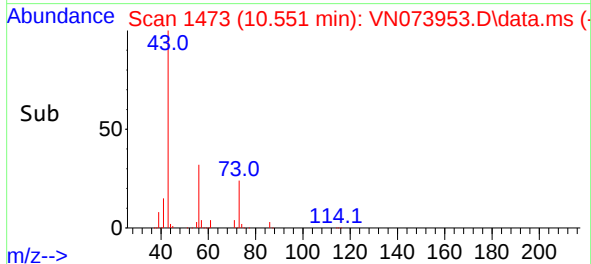
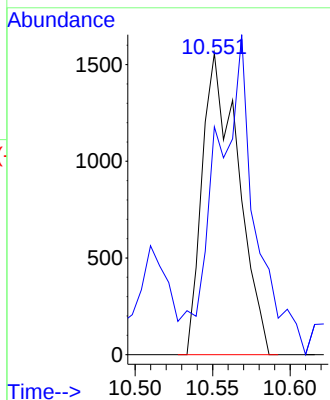
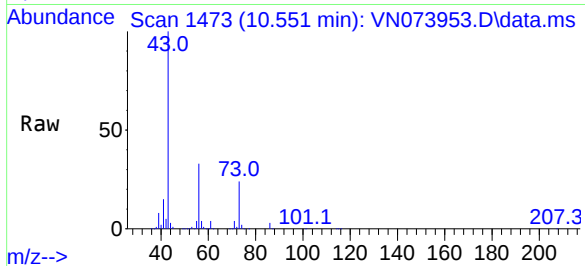




#53
t-1,3-Dichloropropene
Concen: 0.304 ug/l
RT: 10.551 min Scan# 1410
Delta R.T. -0.112 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

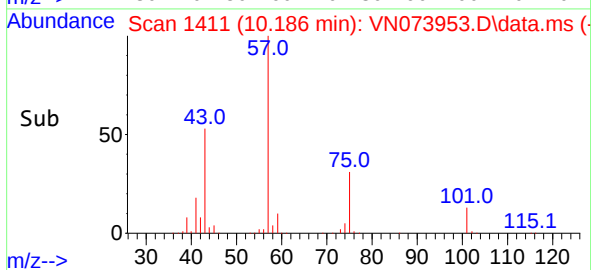
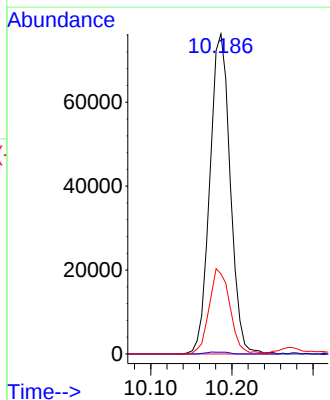
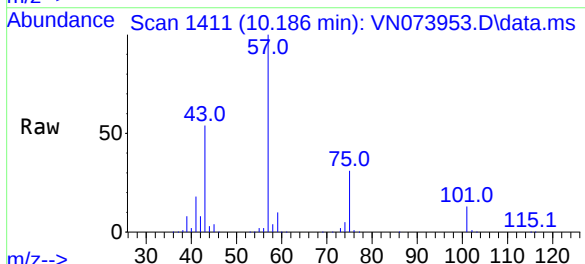
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#09

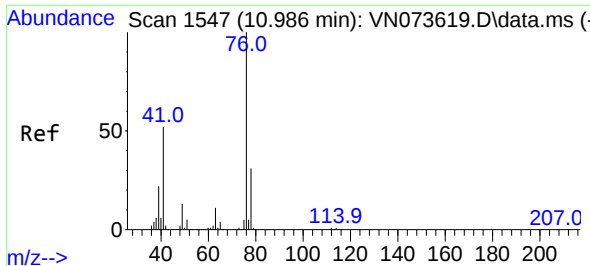
Tgt Ion: 75 Resp: 2511
Ion Ratio Lower Upper
75 100
77 64.5 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 14.743 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Tgt Ion: 75 Resp: 133090
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 24.4 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.948 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN073953.D

Acq: 16 Aug 2022 17:01

Instrument :

MSVOA_N

ClientSampleId :

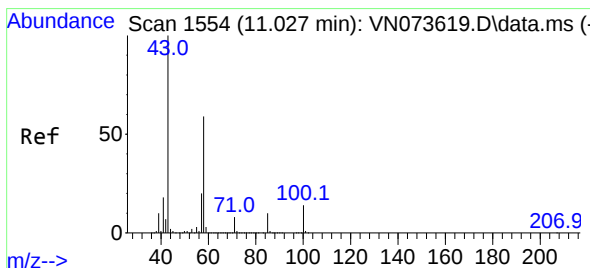
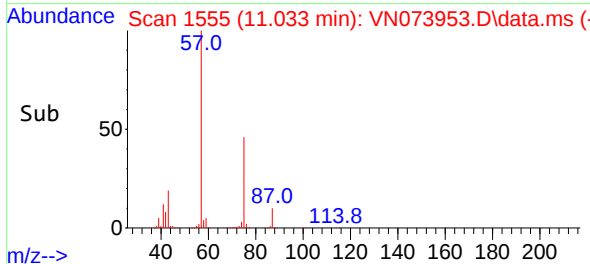
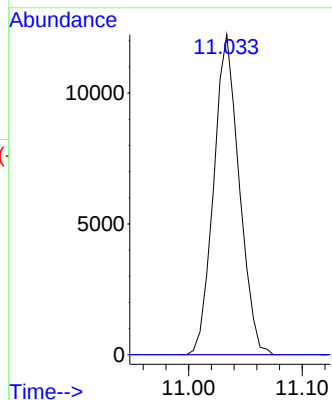
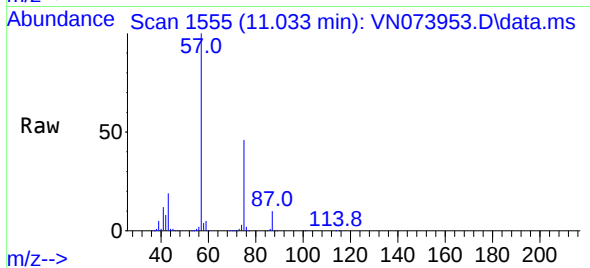
PB146976ZHE#09

Tgt Ion: 76 Resp: 19070

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 34.032 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073953.D

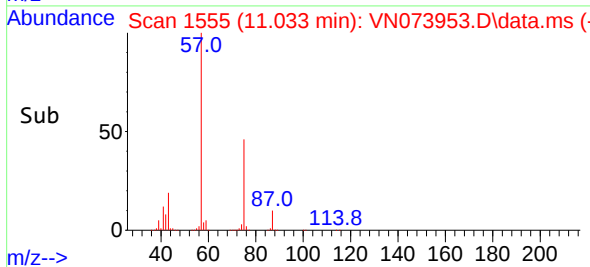
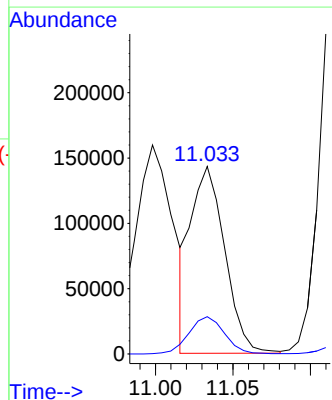
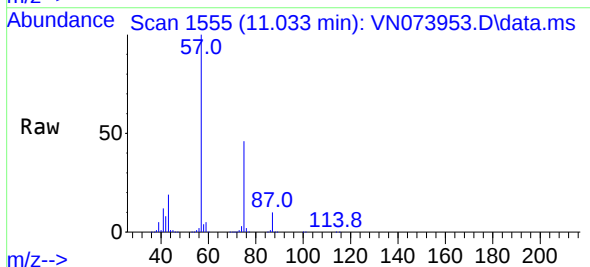
Acq: 16 Aug 2022 17:01

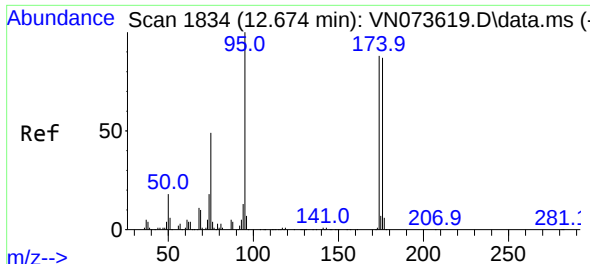
Tgt Ion: 43 Resp: 218589

Ion Ratio Lower Upper

43 100

58 21.1 29.7 89.1#

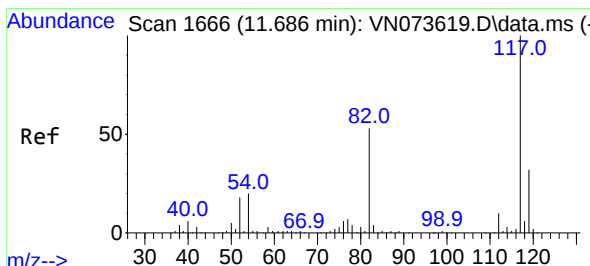
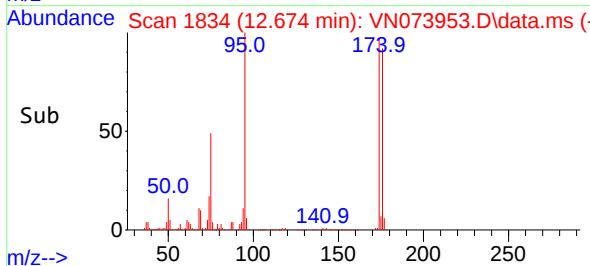
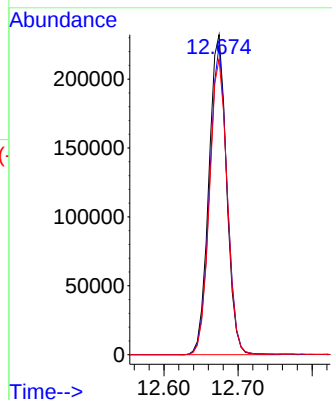
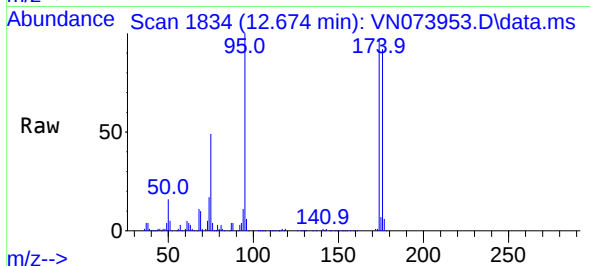




#62
4-Bromofluorobenzene
Concen: 58.144 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

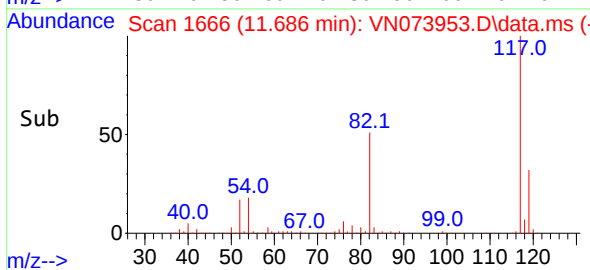
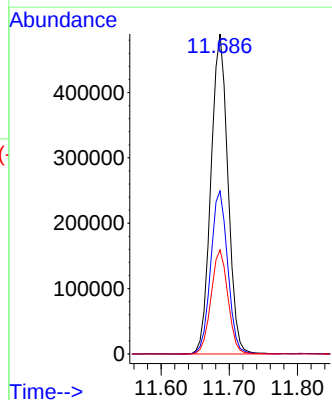
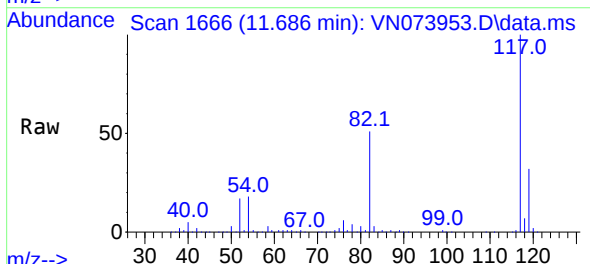
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#09

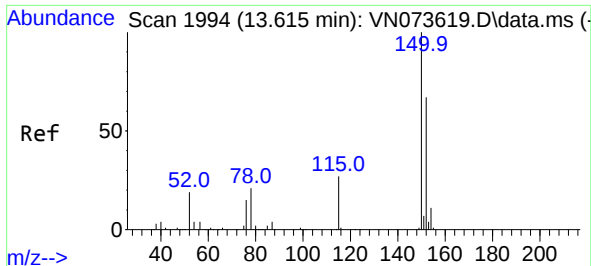
Tgt Ion: 95 Resp: 384850
Ion Ratio Lower Upper
95 100
174 95.0 0.0 167.6
176 92.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

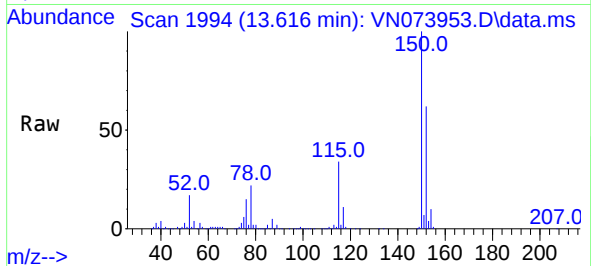
Tgt Ion: 117 Resp: 848047
Ion Ratio Lower Upper
117 100
82 50.9 44.2 66.2
119 32.5 25.4 38.0



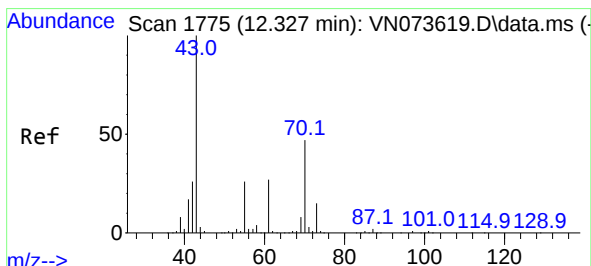
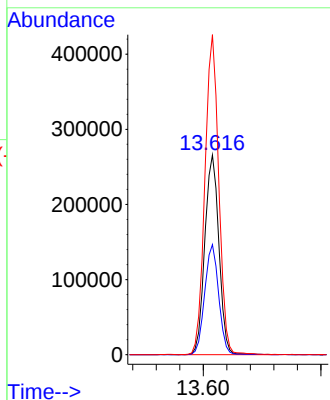
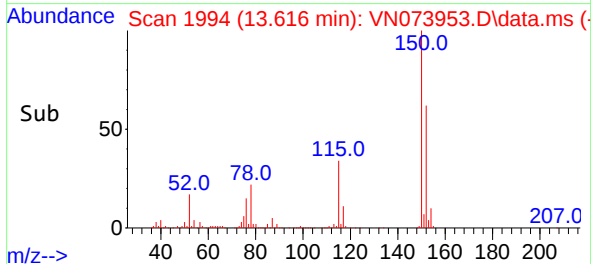


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#09

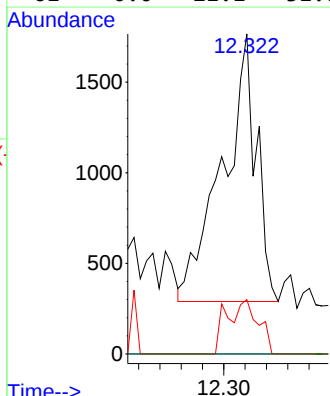
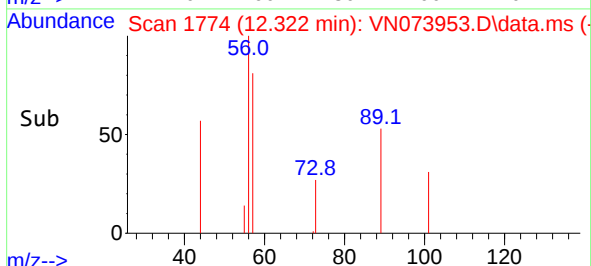
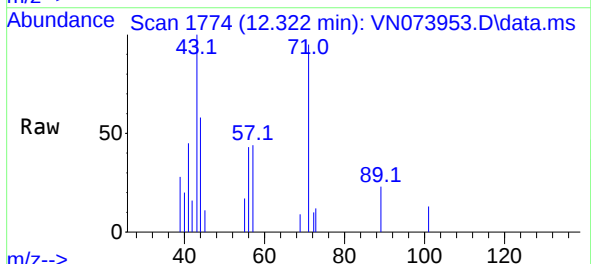


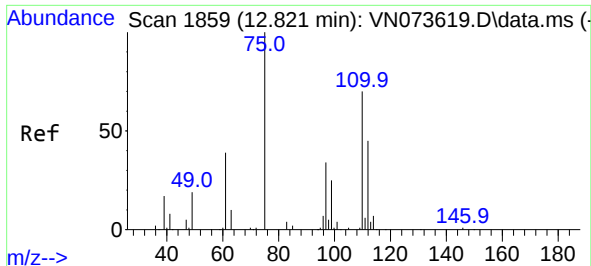
Tgt Ion:152 Resp: 441858
Ion Ratio Lower Upper
152 100
115 54.7 28.9 86.7
150 157.4 0.0 356.2



#74
N-ethyl acetate
Concen: 0.267 ug/l
RT: 12.322 min Scan# 1774
Delta R.T. -0.005 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Tgt Ion: 43 Resp: 3246
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 19.0 21.1 31.7#
61 0.0 21.1 31.7#

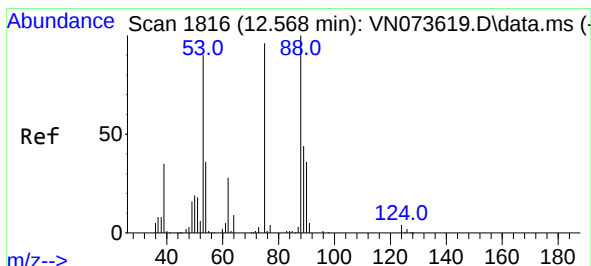
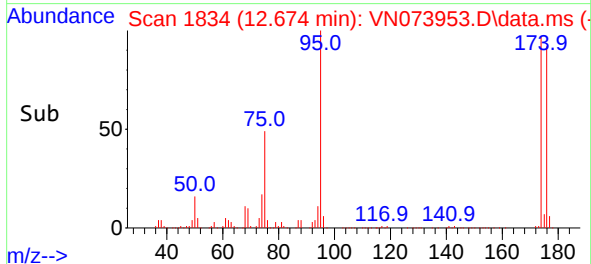
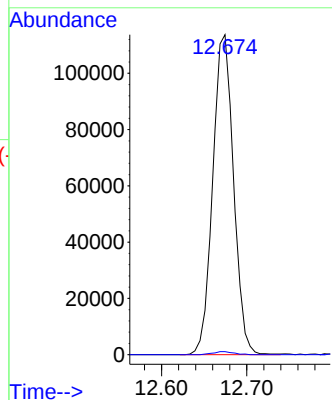
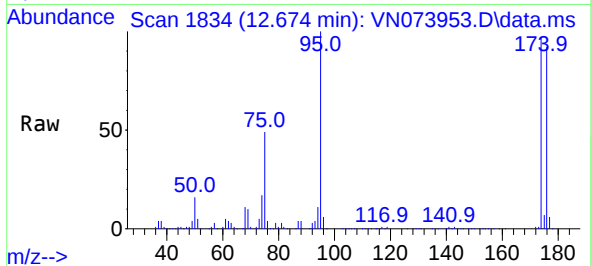




#76
1,2,3-Trichloropropane
Concen: 20.977 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#09

Tgt Ion: 75 Resp: 192651
Ion Ratio Lower Upper
75 100
77 0.9 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.662 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073953.D
Acq: 16 Aug 2022 17:01

Tgt Ion: 75 Resp: 192651
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

