

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073947.D
 Acq On : 16 Aug 2022 14:33
 Operator : JC\MD
 Sample : PB146976ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#03

Quant Time: Aug 17 01:14:25 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)

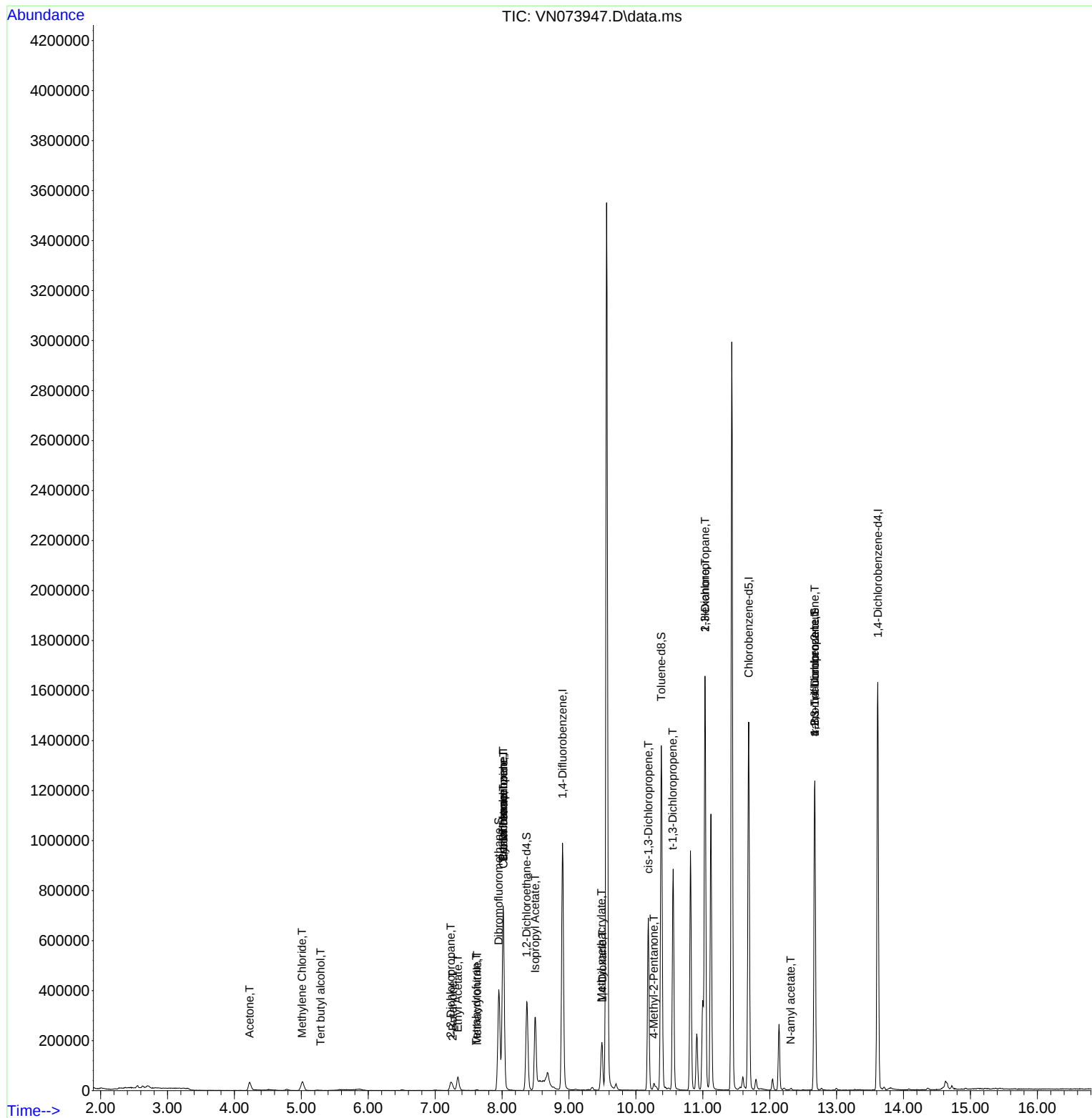
Internal Standards						
1) Pentafluorobenzene	8.016	168	628682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	917760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	902269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	483647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	298244	48.706	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.420%		
35) Dibromofluoromethane	7.951	113	294068	54.181	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.360%		
50) Toluene-d8	10.380	98	985657	46.890	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.780%		
62) 4-Bromofluorobenzene	12.674	95	415513	59.561	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	119.120%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.287	59	1347	0.983	ug/l #	72
16) Acetone	4.228	43	59498	20.595	ug/l	96
18) Methyl Acetate	4.781	43	9097	Below Cal		92
20) Methylene Chloride	5.010	84	29676	4.868	ug/l	90
25) 2-Butanone	7.263	43	13036	2.846	ug/l #	81
26) 2,2-Dichloropropane	7.234	77	2254	0.247	ug/l #	53
29) Tetrahydrofuran	7.616	42	2045	0.696	ug/l #	46
31) Cyclohexane	8.016	56	10173	1.192	ug/l #	29
36) 1,1-Dichloropropene	8.016	75	39781	5.277	ug/l #	49
37) Ethyl Acetate	7.339	43	79950	8.754	ug/l	98
38) Carbon Tetrachloride	8.022	117	55565	6.448	ug/l #	17
41) Methacrylonitrile	7.628	41	1053	0.255	ug/l #	32
43) Isopropyl Acetate	8.492	43	346046	26.597	ug/l #	92
48) Methyl methacrylate	9.486	41	11150	2.003	ug/l #	40
49) 1,4-Dioxane	9.498	88	70	0.423	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	16854	1.916	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	2256	0.259	ug/l #	47
54) cis-1,3-Dichloropropene	10.186	75	133935	14.077	ug/l #	59
57) 1,3-Dichloropropane	11.033	76	17795	1.724	ug/l #	42
59) 2-Hexanone	11.033	43	218675	32.301	ug/l #	49
74) N-amyl acetate	12.316	43	3282	0.247	ug/l #	44
76) 1,2,3-Trichloropropane	12.674	75	207013	20.593	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	207013	58.571	ug/l #	10

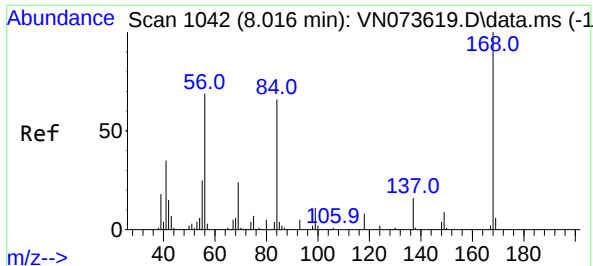
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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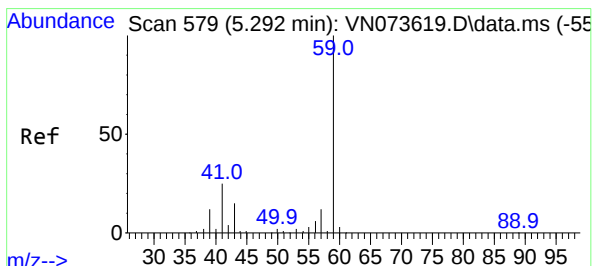
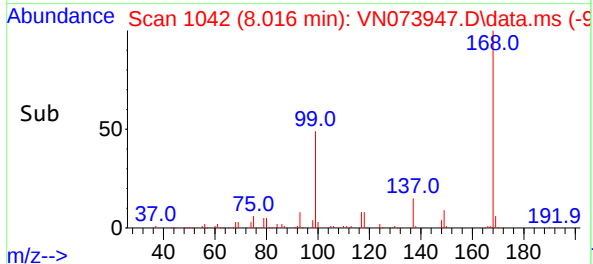
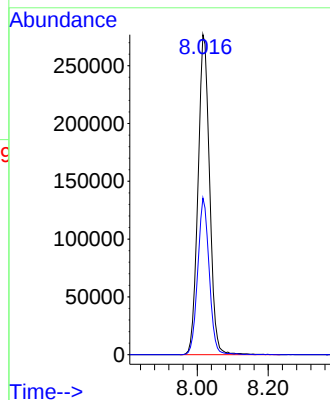
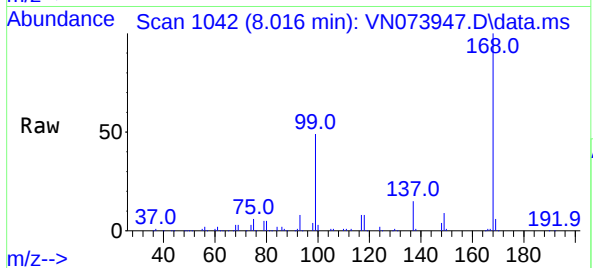




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

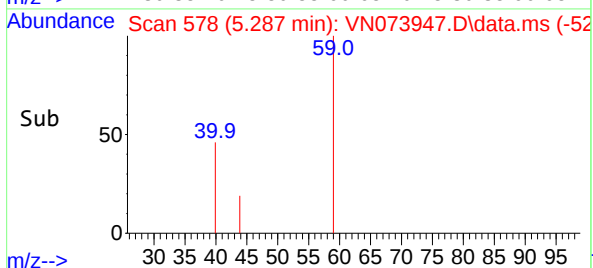
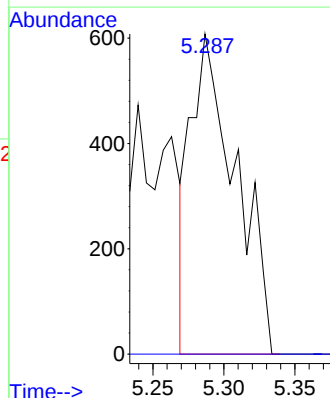
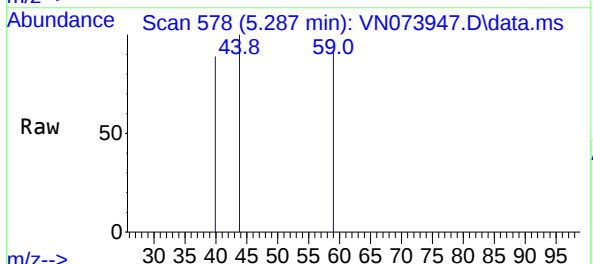
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#03

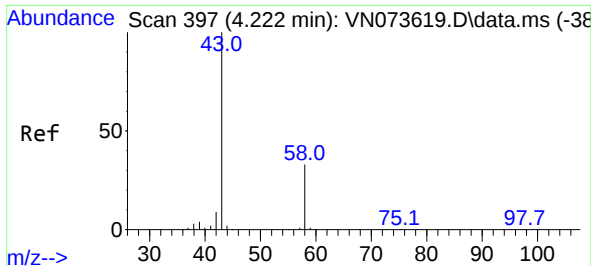
Tgt Ion:168 Resp: 628682
Ion Ratio Lower Upper
168 100
99 49.0 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.983 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

Tgt Ion: 59 Resp: 1347
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

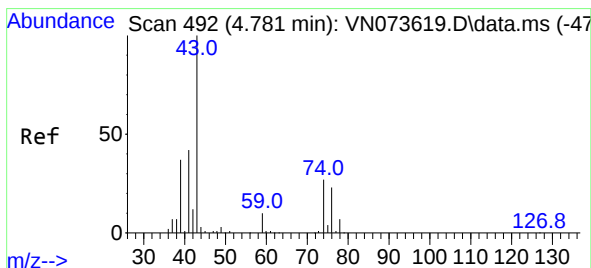
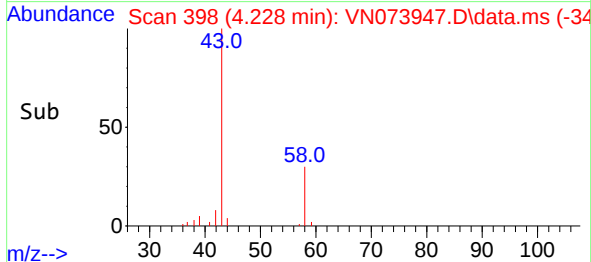
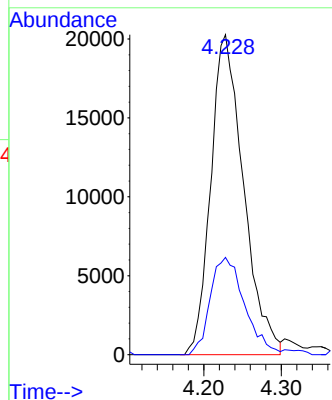
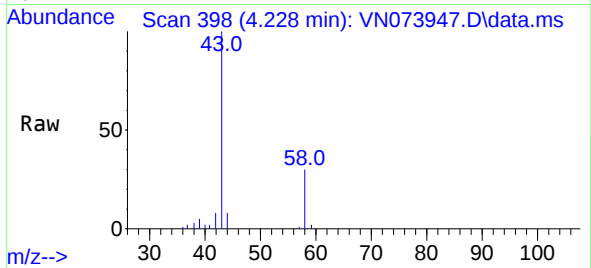




#16
Acetone
Concen: 20.595 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

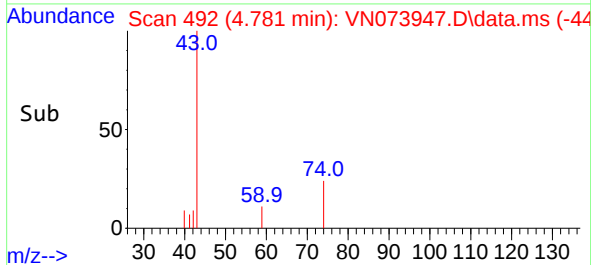
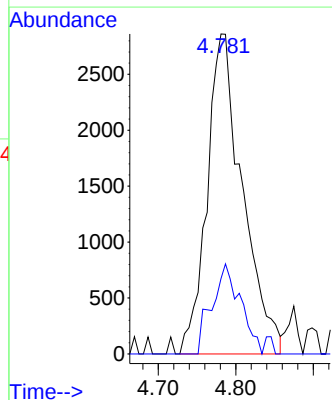
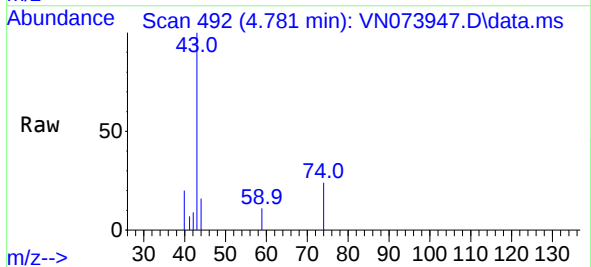
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#03

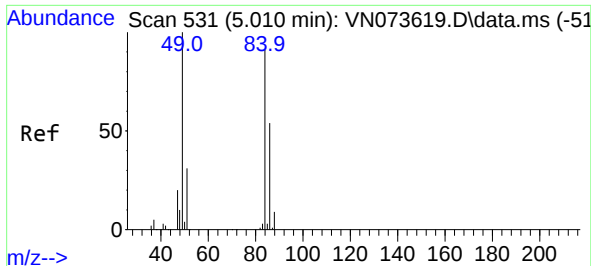
Tgt Ion: 43 Resp: 59498
Ion Ratio Lower Upper
43 100
58 30.4 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

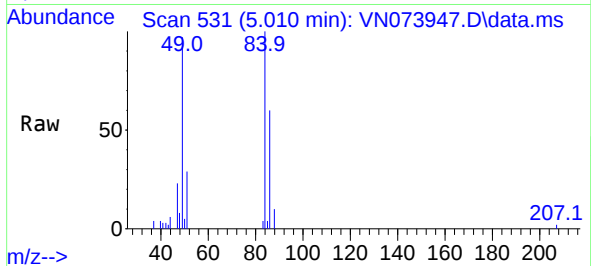
Tgt Ion: 43 Resp: 9097
Ion Ratio Lower Upper
43 100
74 22.8 21.6 32.4



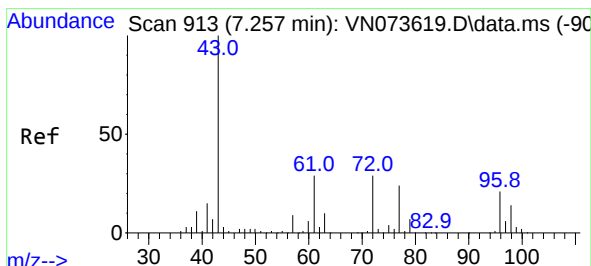
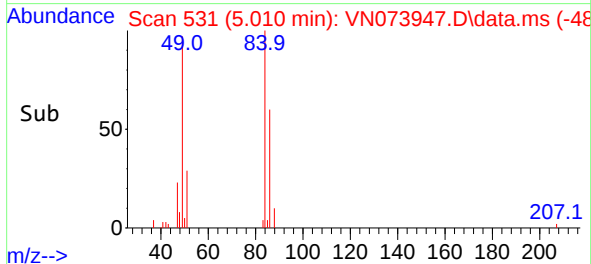
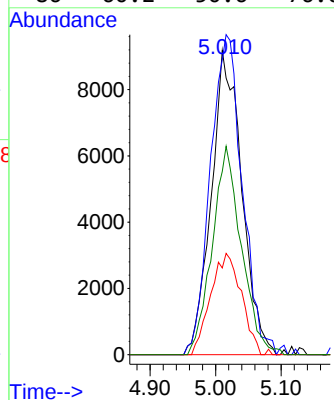


#20
Methylene Chloride
Concen: 4.868 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#03

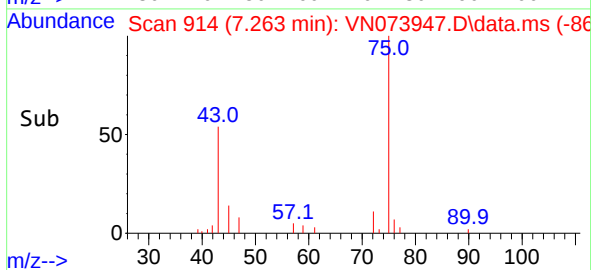
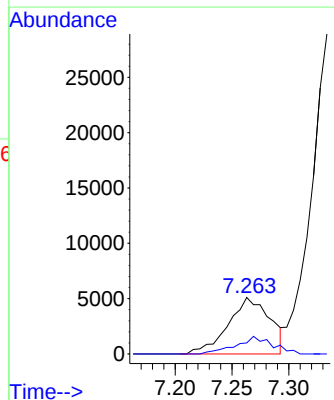
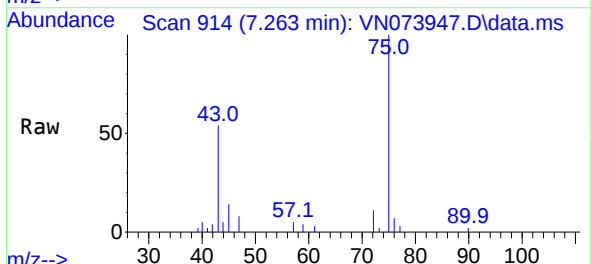


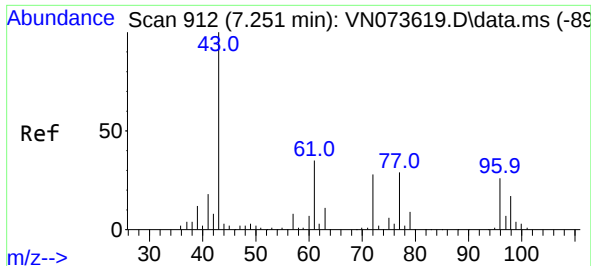
Tgt Ion: 84 Resp: 29676
Ion Ratio Lower Upper
84 100
49 97.0 88.3 132.5
51 28.5 28.2 42.2
86 60.2 50.6 76.0



#25
2-Butanone
Concen: 2.846 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

Tgt Ion: 43 Resp: 13036
Ion Ratio Lower Upper
43 100
72 19.5 23.7 35.5#

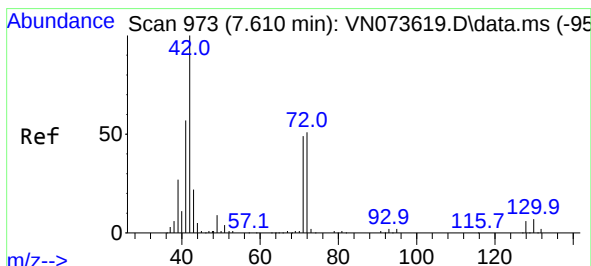
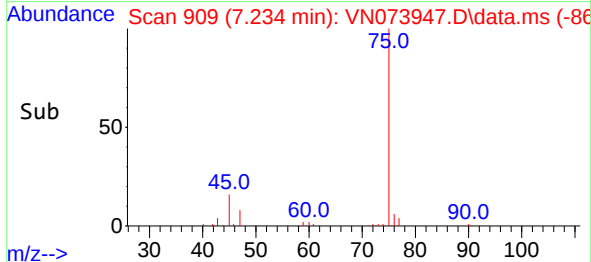
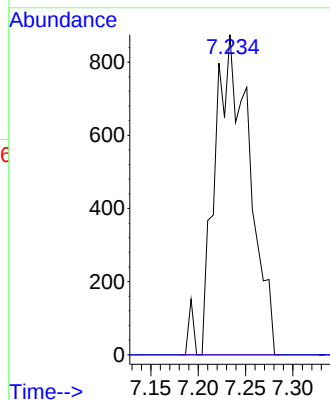
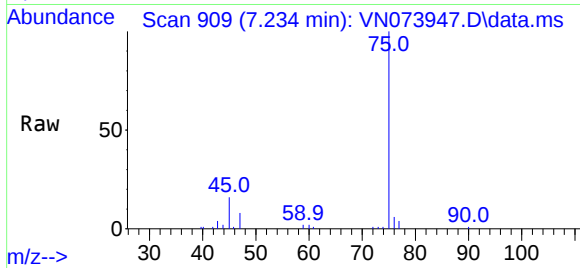




#26
2,2-Dichloropropane
Concen: 0.247 ug/l
RT: 7.234 min Scan# 909
Delta R.T. -0.017 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

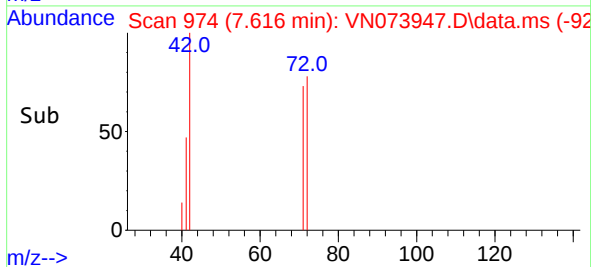
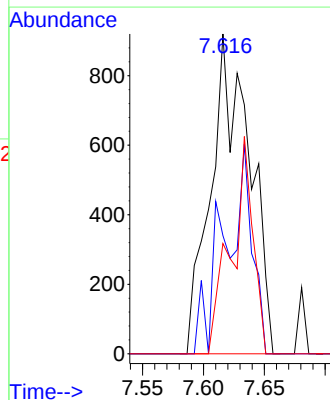
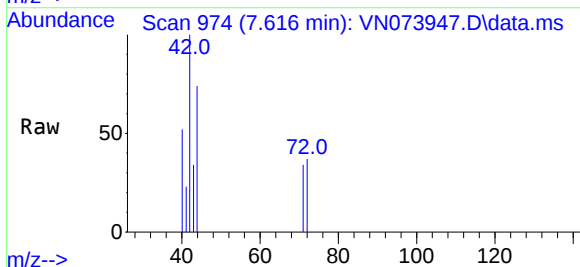
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#03

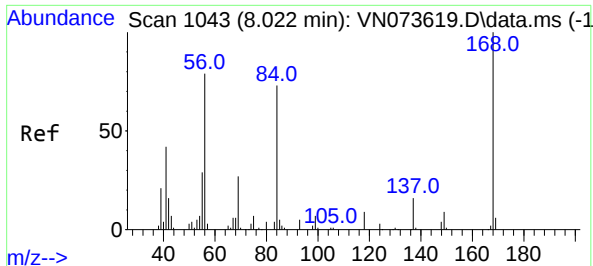
Tgt Ion: 77 Resp: 2254
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.696 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.006 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

Tgt Ion: 42 Resp: 2045
Ion Ratio Lower Upper
42 100
72 21.8 39.7 59.5#
71 0.0 36.6 55.0#

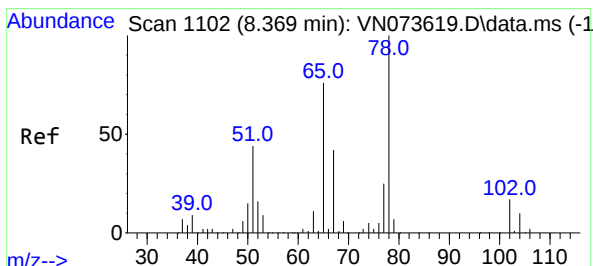
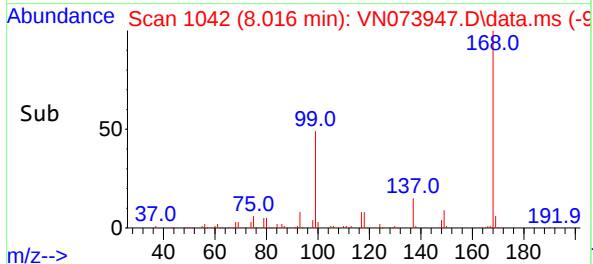
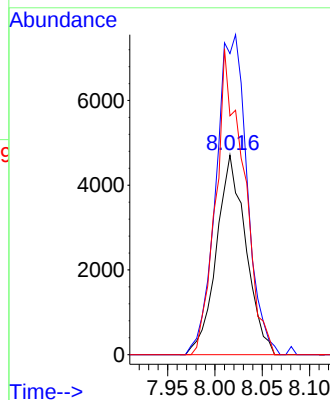
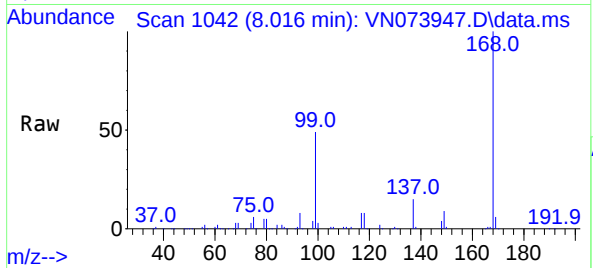




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

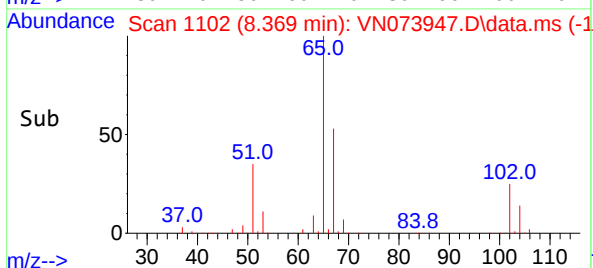
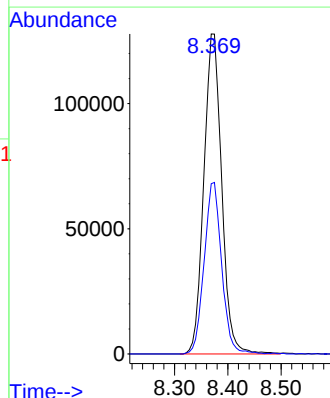
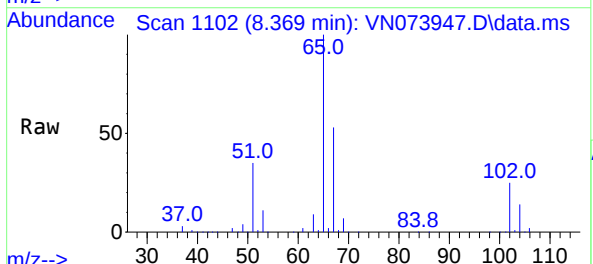
Instrument :
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ClientSampleId :
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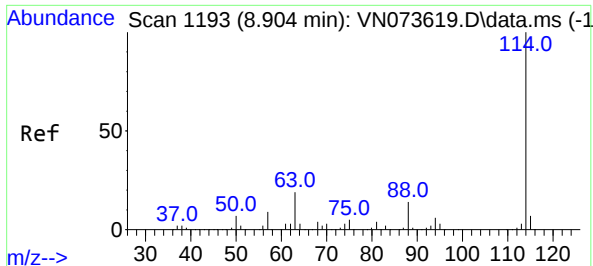
Tgt Ion: 56 Resp: 10173
Ion Ratio Lower Upper
56 100
69 150.9 27.8 41.8#
84 119.7 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.706 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

Tgt Ion: 65 Resp: 298244
Ion Ratio Lower Upper
65 100
67 52.5 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: VN073947.D

Acq: 16 Aug 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

PB146976ZHE#03

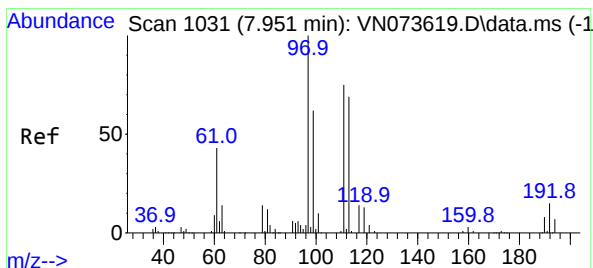
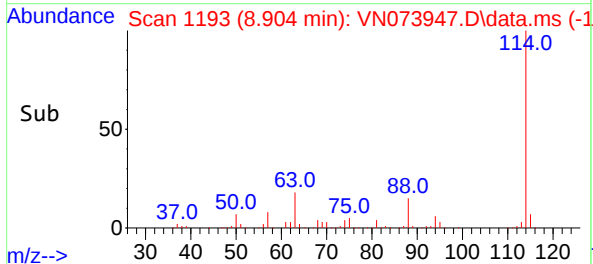
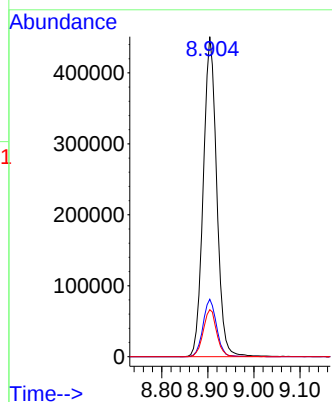
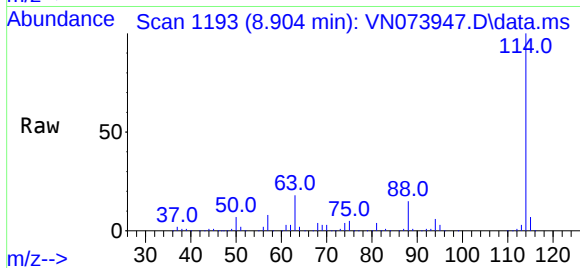
Tgt Ion:114 Resp: 917760

Ion Ratio Lower Upper

114 100

63 17.9 0.0 40.0

88 14.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.181 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073947.D

Acq: 16 Aug 2022 14:33

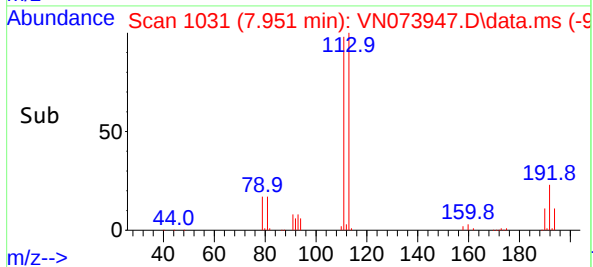
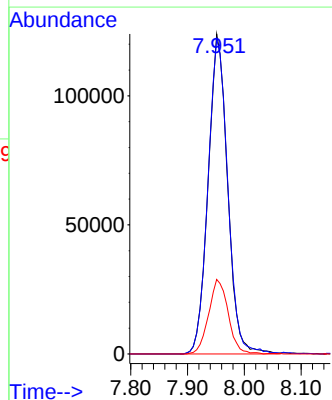
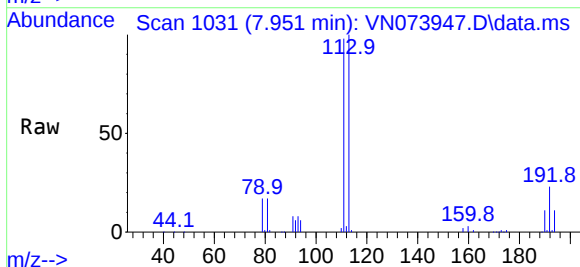
Tgt Ion:113 Resp: 294068

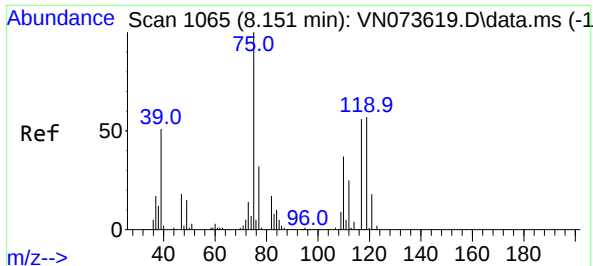
Ion Ratio Lower Upper

113 100

111 100.4 81.4 122.0

192 23.5 17.0 25.6

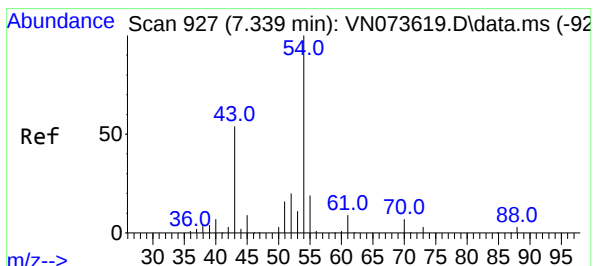
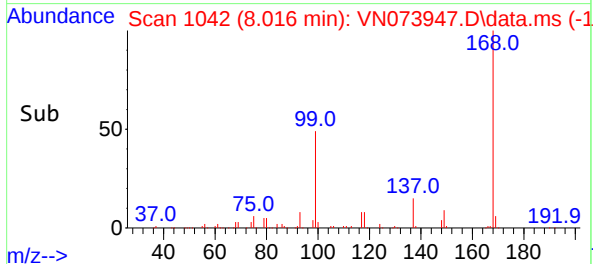
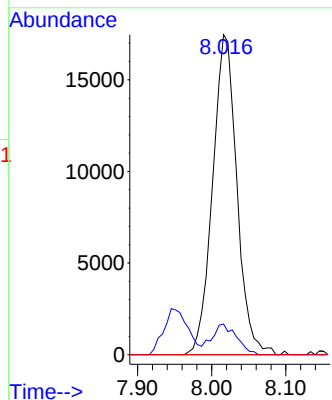
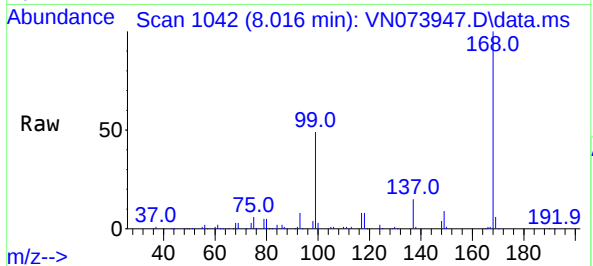




#36
1,1-Dichloropropene
Concen: 5.277 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

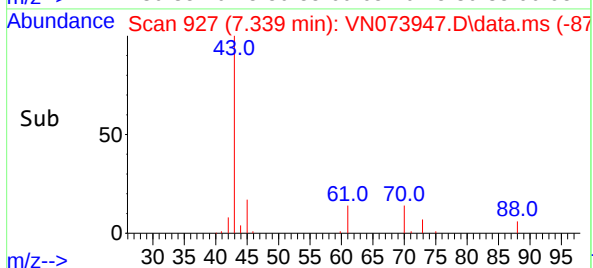
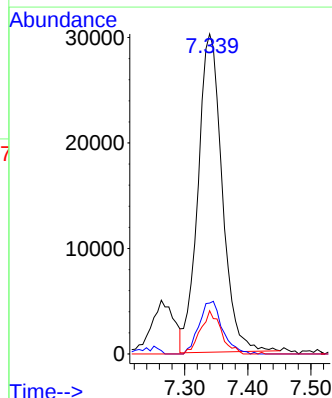
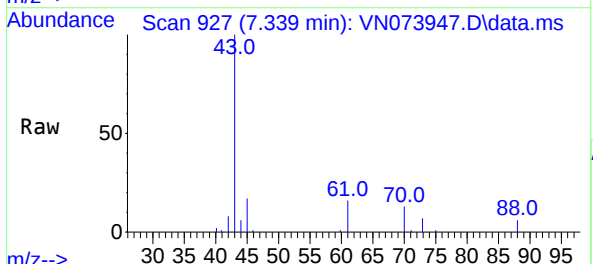
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#03

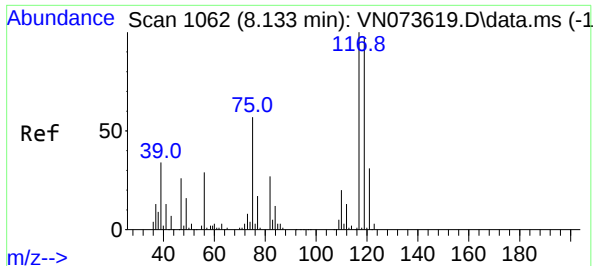
Tgt Ion: 75 Resp: 39781
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.754 ug/l
RT: 7.339 min Scan# 927
Delta R.T. 0.000 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

Tgt Ion: 43 Resp: 79950
Ion Ratio Lower Upper
43 100
61 16.0 11.8 17.6
70 11.6 9.3 13.9

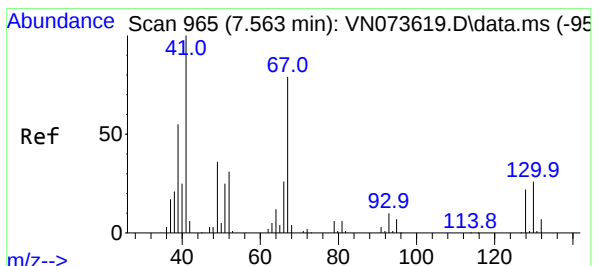
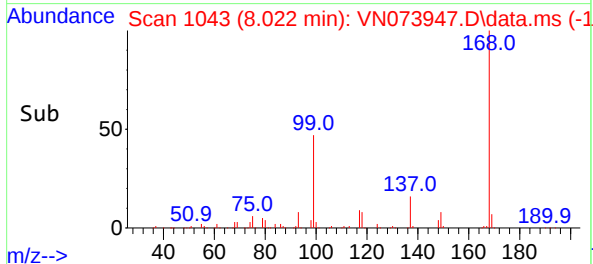
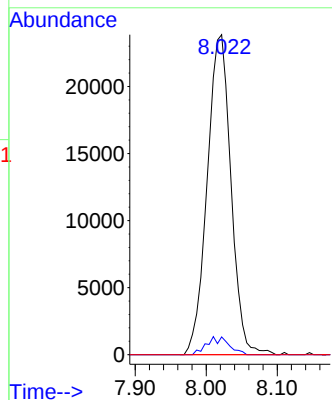
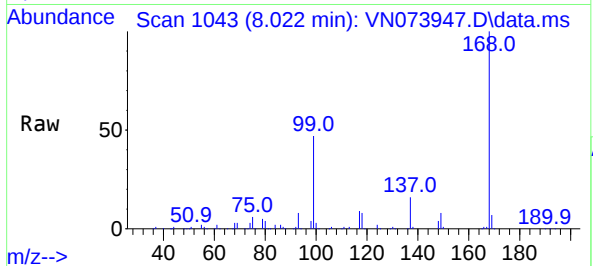




#38
Carbon Tetrachloride
Concen: 6.448 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

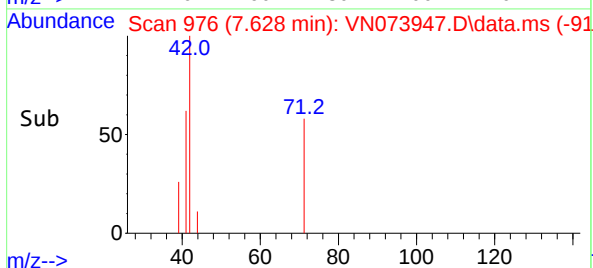
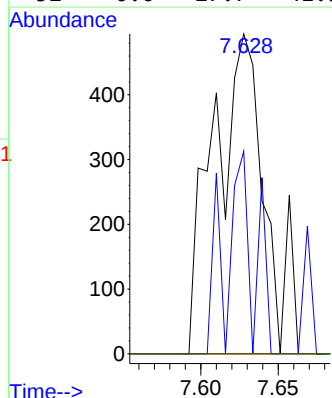
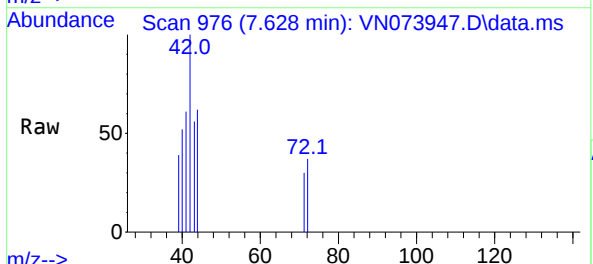
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#03

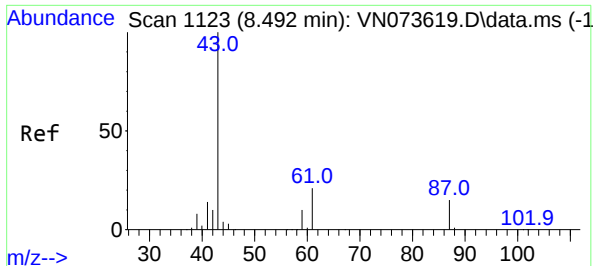
Tgt Ion:117 Resp: 55565
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.255 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.065 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

Tgt Ion: 41 Resp: 1053
Ion Ratio Lower Upper
41 100
39 37.7 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

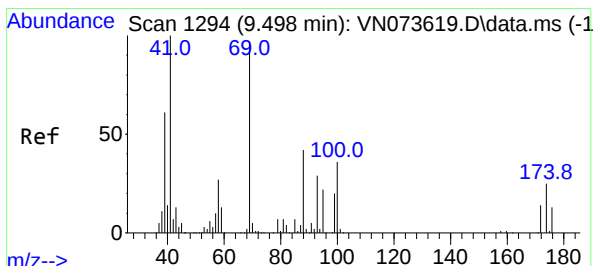
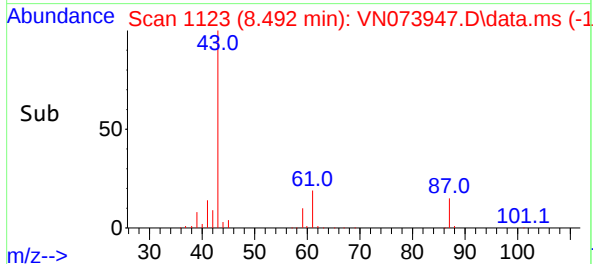
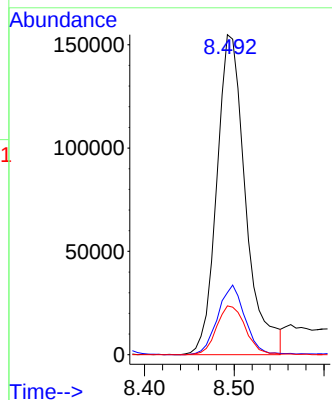
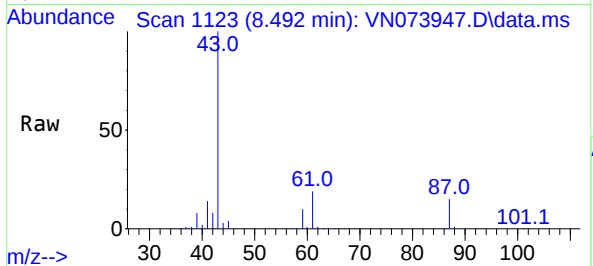




#43
Isopropyl Acetate
Concen: 26.597 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

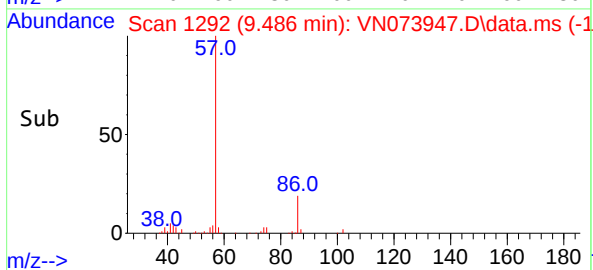
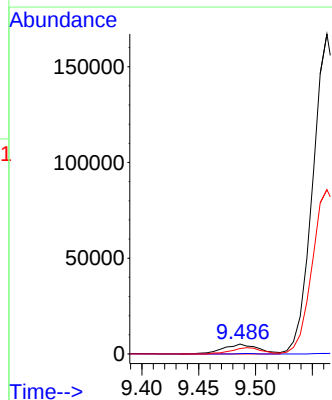
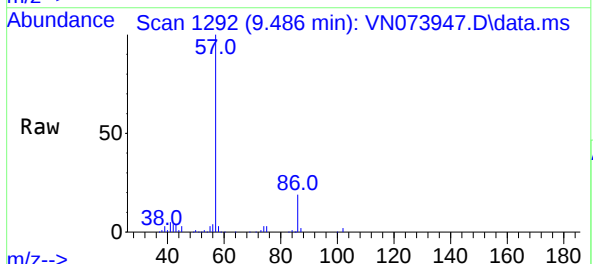
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#03

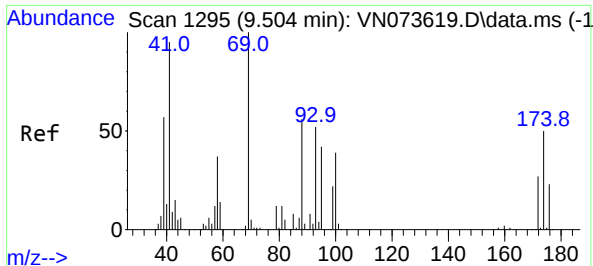
Tgt Ion: 43 Resp: 346046
Ion Ratio Lower Upper
43 100
61 20.8 21.9 32.9#
87 15.3 12.0 18.0



#48
Methyl methacrylate
Concen: 2.003 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

Tgt Ion: 41 Resp: 11150
Ion Ratio Lower Upper
41 100
69 2.1 74.7 112.1#
39 54.7 45.6 68.4

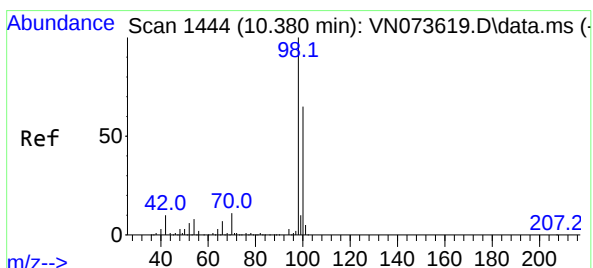
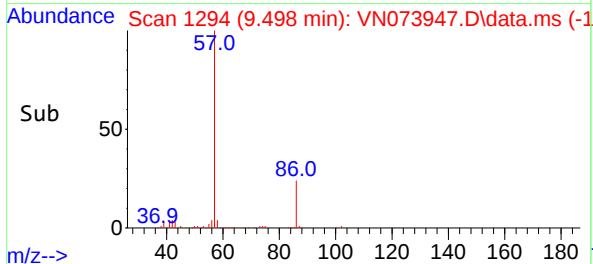
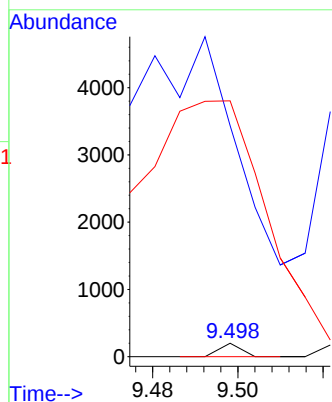
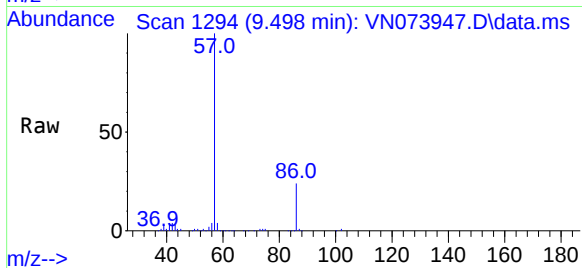




#49
1,4-Dioxane
Concen: 0.423 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

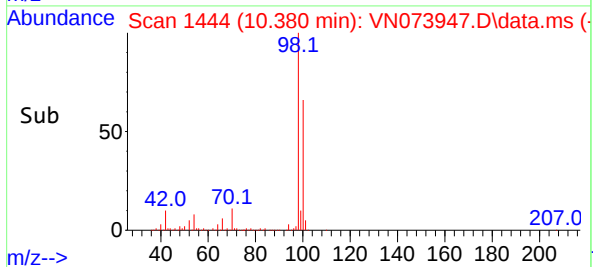
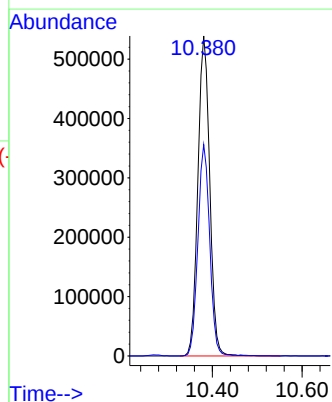
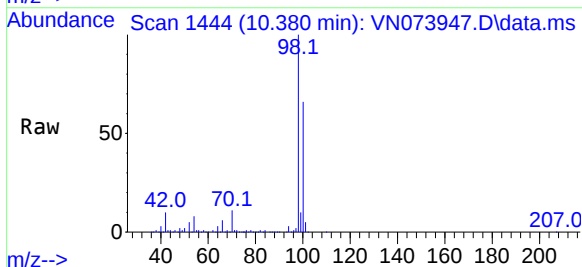
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#03

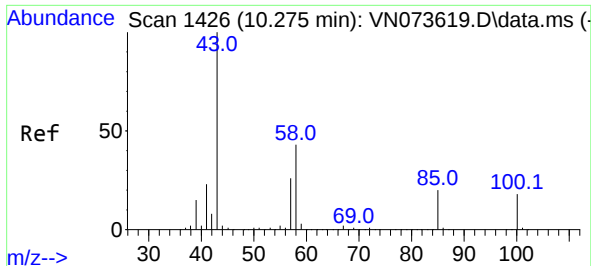
Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 12154.3 54.2 81.4#



#50
Toluene-d8
Concen: 46.890 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

Tgt Ion: 98 Resp: 985657
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.916 ug/l

RT: 10.269 min Scan# 1426

Delta R.T. -0.006 min

Lab File: VN073947.D

Acq: 16 Aug 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

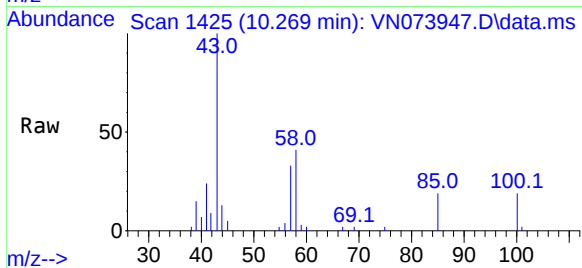
PB146976ZHE#03

Tgt Ion: 43 Resp: 16854

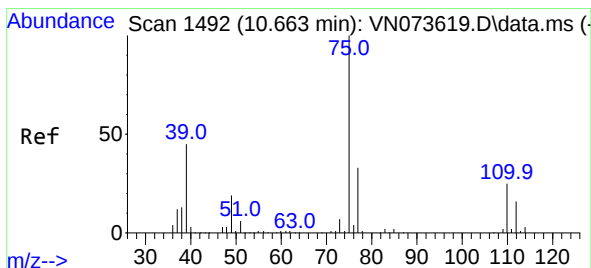
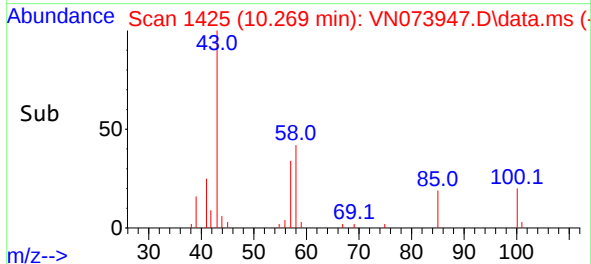
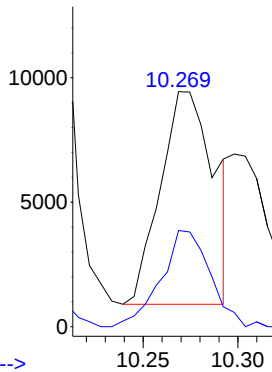
Ion Ratio Lower Upper

43 100

58 41.3 34.1 51.1



Abundance



#53

t-1,3-Dichloropropene

Concen: 0.259 ug/l

RT: 10.551 min Scan# 1473

Delta R.T. -0.112 min

Lab File: VN073947.D

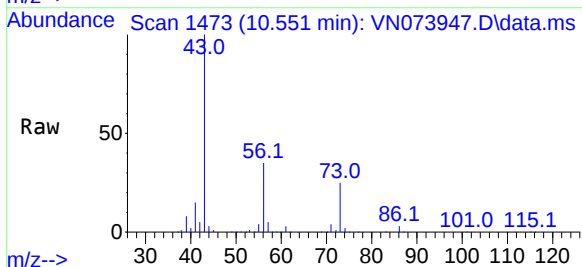
Acq: 16 Aug 2022 14:33

Tgt Ion: 75 Resp: 2256

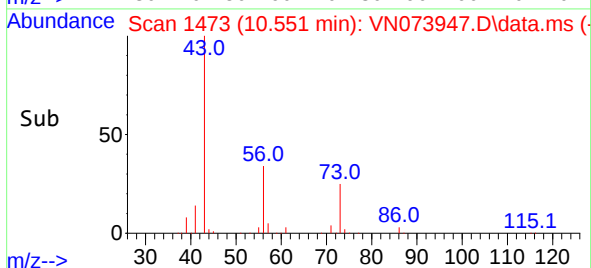
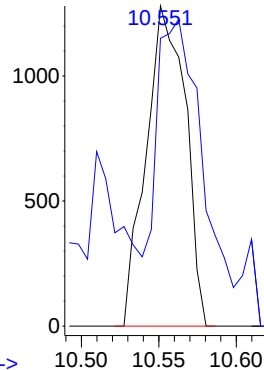
Ion Ratio Lower Upper

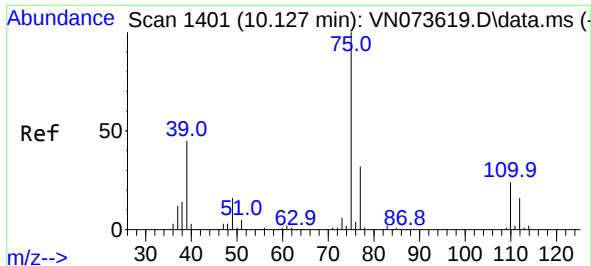
75 100

77 61.6 25.6 38.4#



Abundance

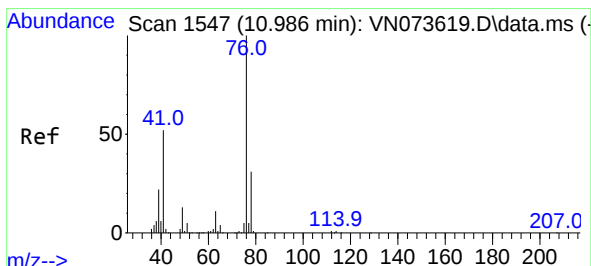
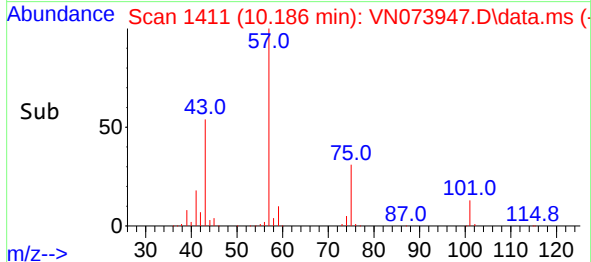
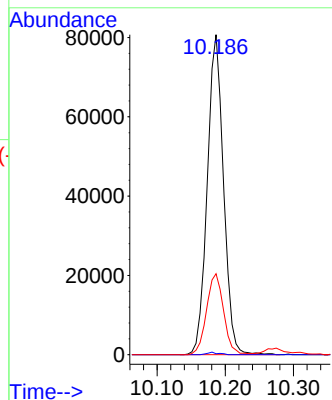
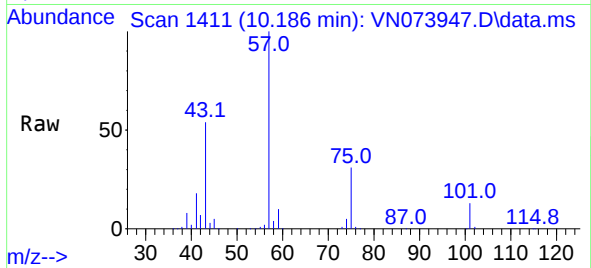




#54
 cis-1,3-Dichloropropene
 Concen: 14.077 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073947.D
 Acq: 16 Aug 2022 14:33

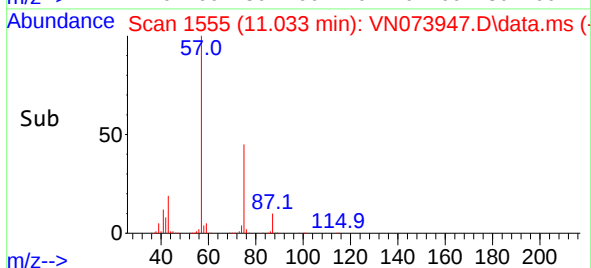
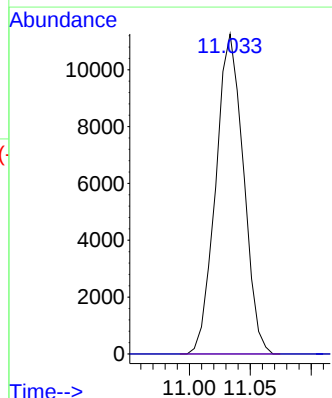
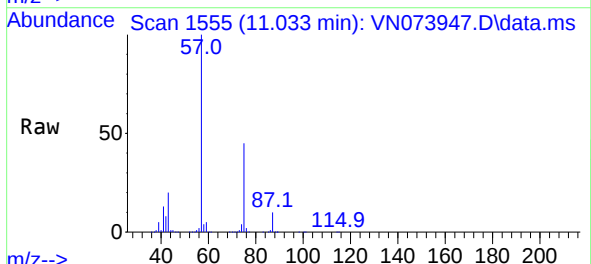
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#03

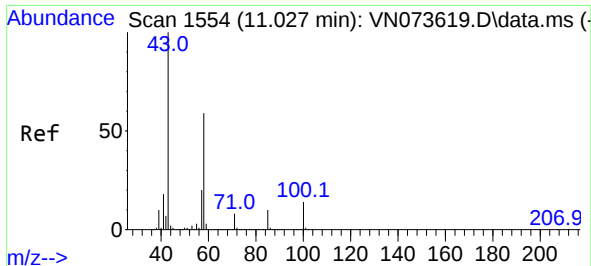
Tgt Ion: 75 Resp: 133935
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.2 37.8#
 39 25.3 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.724 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073947.D
 Acq: 16 Aug 2022 14:33

Tgt Ion: 76 Resp: 17795
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

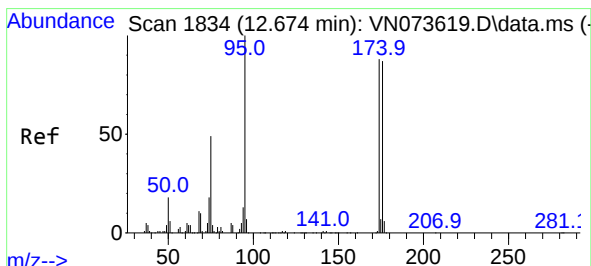
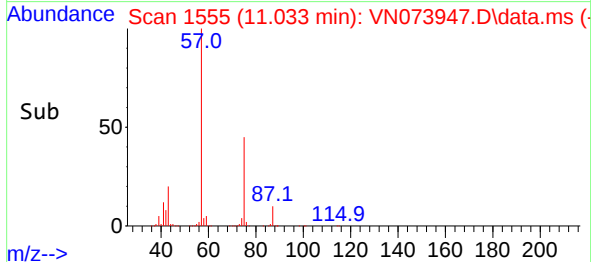
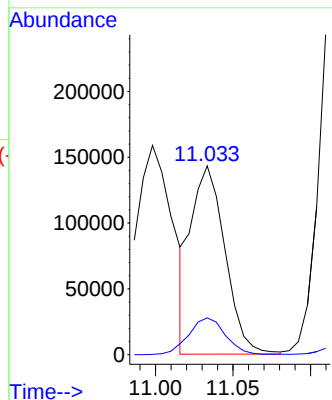
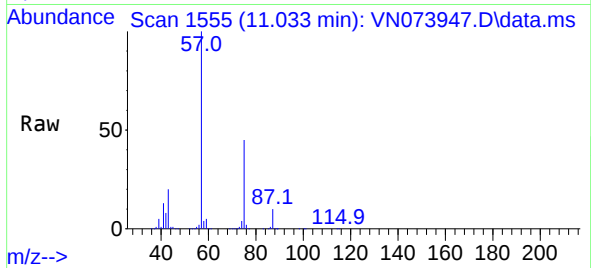




#59
2-Hexanone
Concen: 32.301 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

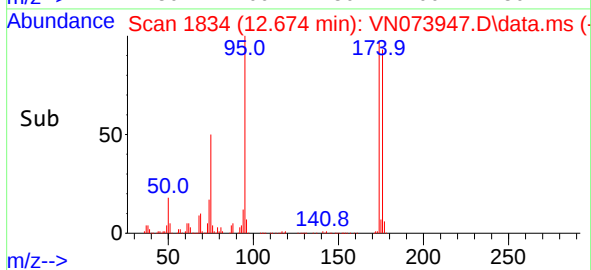
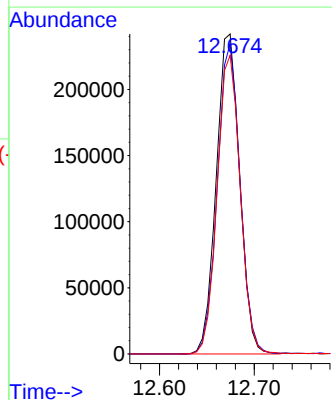
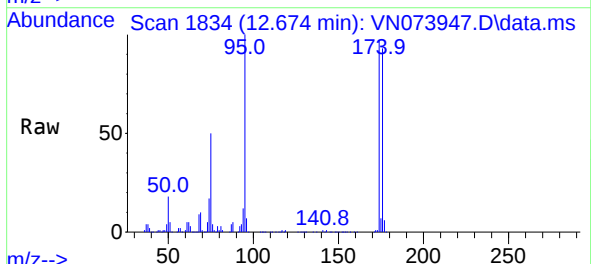
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#03

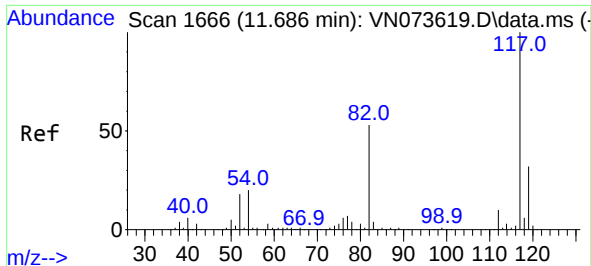
Tgt Ion: 43 Resp: 218675
Ion Ratio Lower Upper
43 100
58 21.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 59.561 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

Tgt Ion: 95 Resp: 415513
Ion Ratio Lower Upper
95 100
174 94.8 0.0 167.6
176 91.9 0.0 163.4

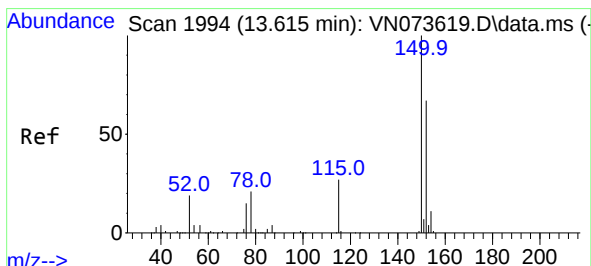
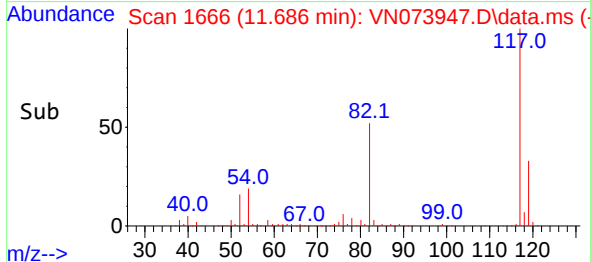
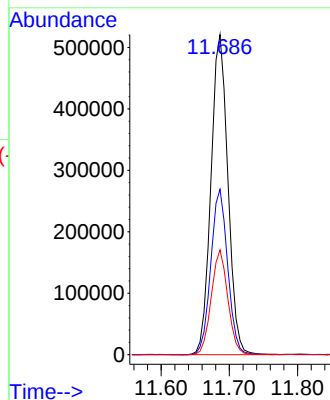
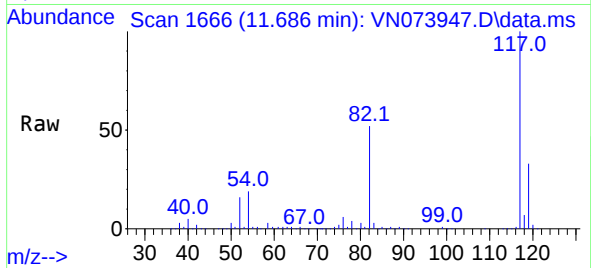




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

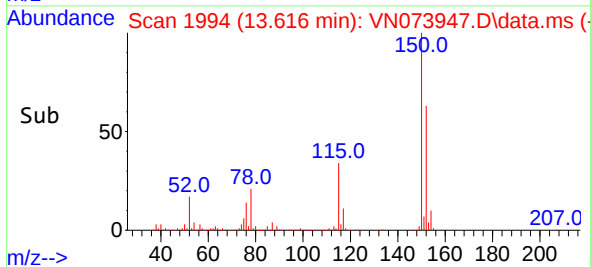
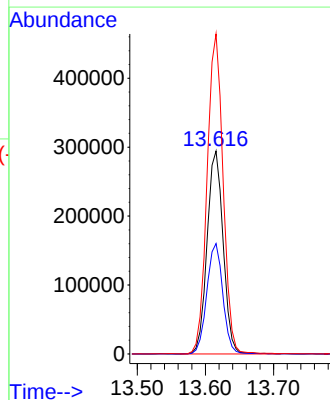
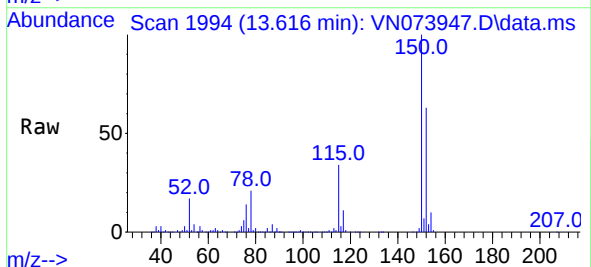
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#03

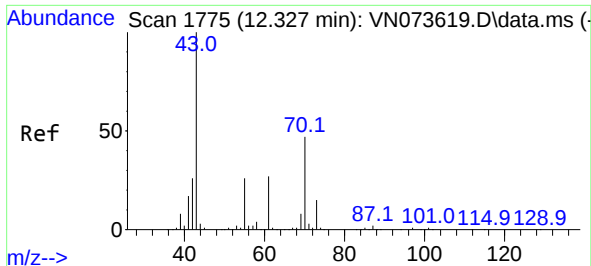
Tgt Ion:117 Resp: 902269
Ion Ratio Lower Upper
117 100
82 51.7 44.2 66.2
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

Tgt Ion:152 Resp: 483647
Ion Ratio Lower Upper
152 100
115 54.5 28.9 86.7
150 156.9 0.0 356.2

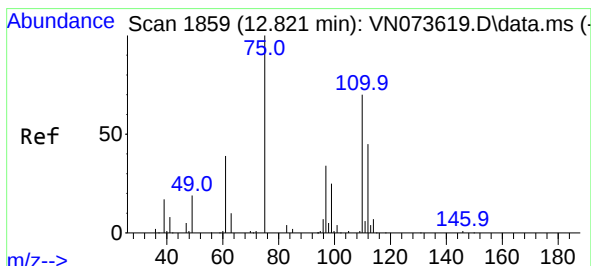
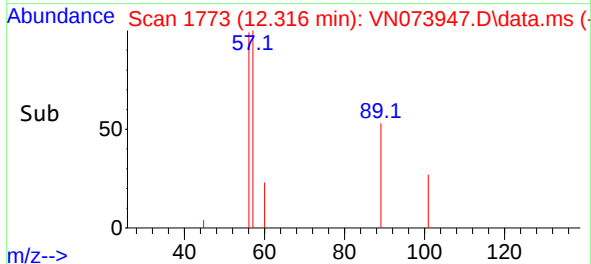
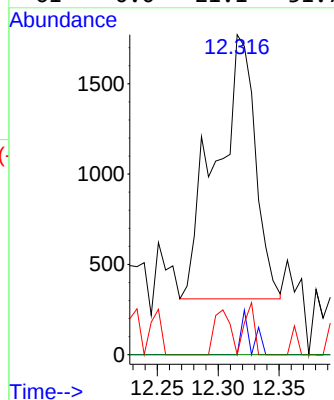
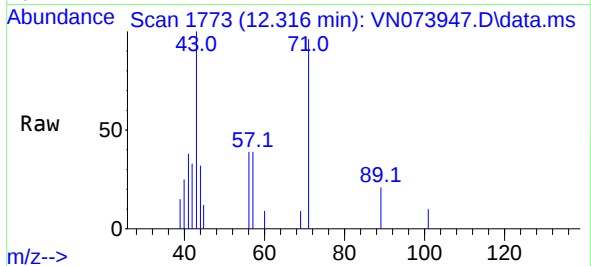




#74
N-amy1 acetate
Concen: 0.247 ug/l
RT: 12.316 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

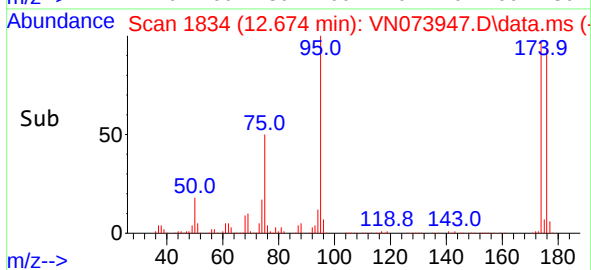
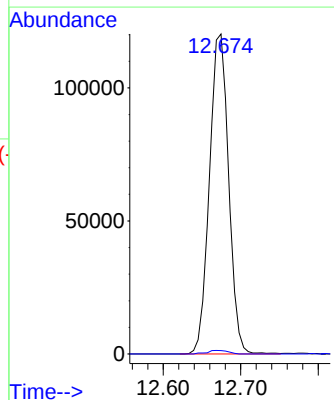
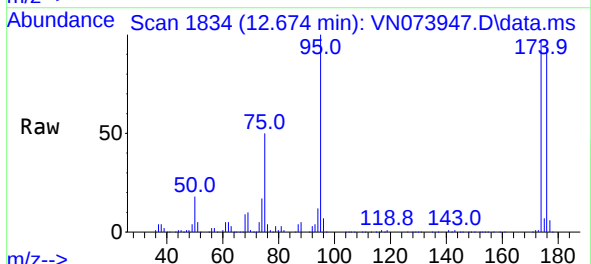
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#03

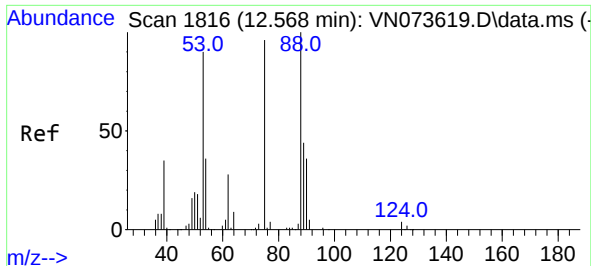
Tgt Ion: 43	Resp: 3282
Ion Ratio	Lower Upper
43	100
70	4.3 39.0 58.4#
55	5.0 21.1 31.7#
61	0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 20.593 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073947.D
Acq: 16 Aug 2022 14:33

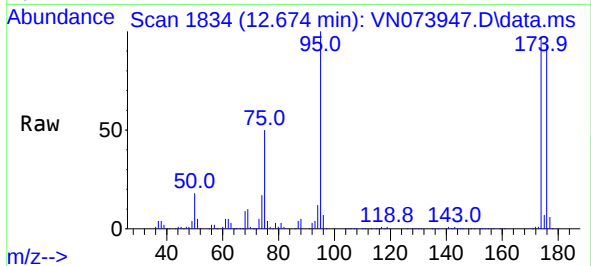
Tgt Ion: 75	Resp: 207013
Ion Ratio	Lower Upper
75	100
77	1.2 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.571 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073947.D
 Acq: 16 Aug 2022 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#03



Tgt Ion: 75 Resp: 207013
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

