

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081922\
 Data File : VN074037.D
 Acq On : 19 Aug 2022 19:31
 Operator : JC\MD
 Sample : PB147119ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147119ZHE#08

Quant Time: Aug 20 03:08:04 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)

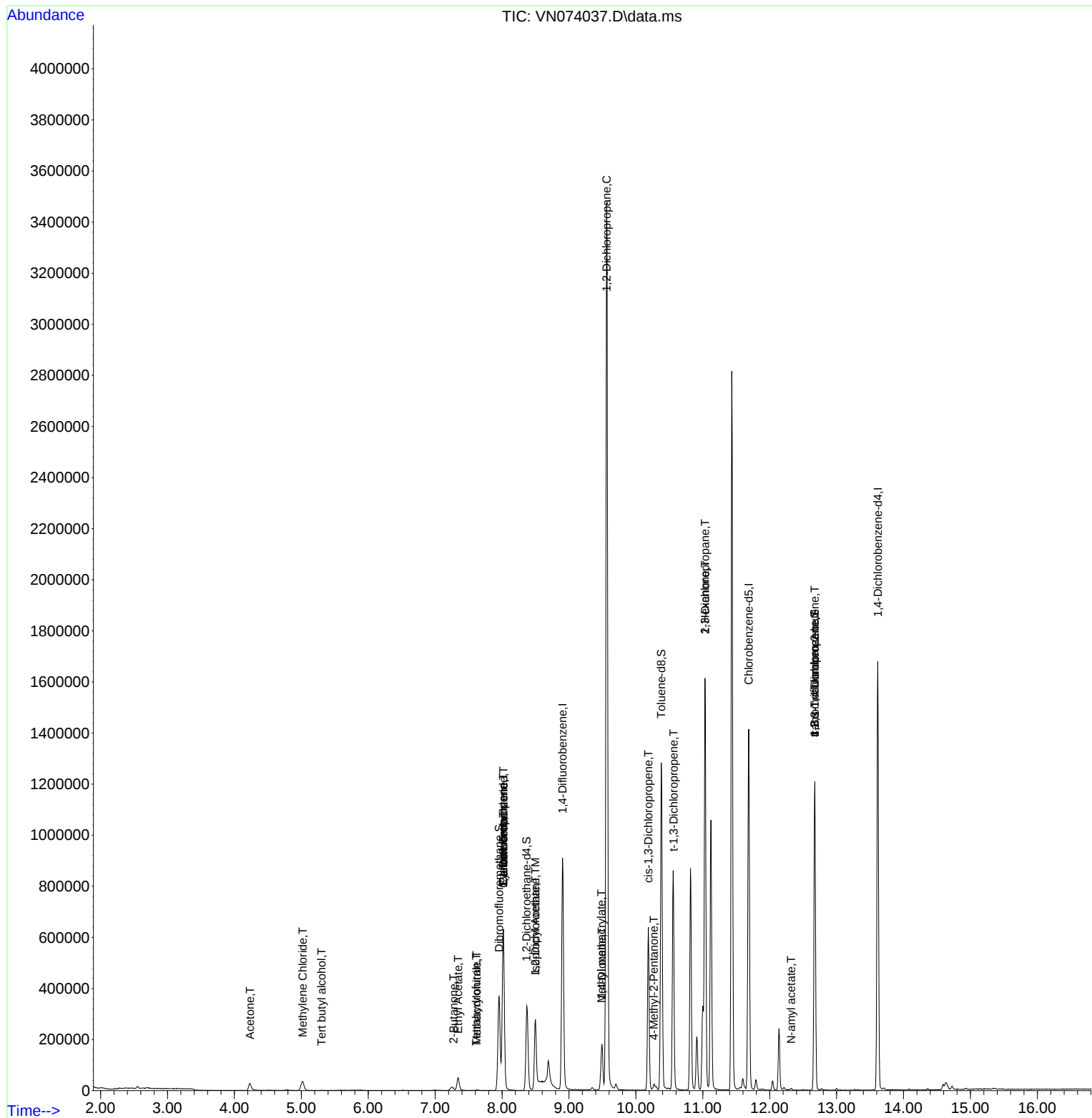
Internal Standards						
1) Pentafluorobenzene	8.022	168	524317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	843597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	856957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	489790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	282714	55.360	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.720%			
35) Dibromofluoromethane	7.957	113	269061	53.931	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.860%			
50) Toluene-d8	10.380	98	915968	47.406	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.820%			
62) 4-Bromofluorobenzene	12.674	95	404397	63.064	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 126.120%#			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.304	59	1036	0.907	ug/l #	72
16) Acetone	4.234	43	50307	20.880	ug/l	99
18) Methyl Acetate	4.792	43	5026	Below Cal	#	85
20) Methylene Chloride	5.022	84	30589	6.017	ug/l	87
25) 2-Butanone	7.275	43	9985	2.614	ug/l	94
29) Tetrahydrofuran	7.616	42	2044	0.834	ug/l #	73
31) Cyclohexane	8.016	56	8231	1.156	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	34233	4.940	ug/l #	49
37) Ethyl Acetate	7.345	43	78083	9.301	ug/l	100
38) Carbon Tetrachloride	8.022	117	45069	5.690	ug/l #	17
41) Methacrylonitrile	7.622	41	955	0.252	ug/l #	31
42) 1,2-Dichloroethane	8.498	62	2292	0.305	ug/l #	74
43) Isopropyl Acetate	8.498	43	328660	27.481	ug/l #	91
45) 1,2-Dichloropropane	9.563	63	4576	0.873	ug/l #	44
48) Methyl methacrylate	9.486	41	10394	2.031	ug/l #	39
49) 1,4-Dioxane	9.492	88	62	0.407	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	14400	1.781	ug/l	96
53) t-1,3-Dichloropropene	10.563	75	2350	0.294	ug/l #	1
54) cis-1,3-Dichloropropene	10.186	75	121277	13.867	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	17389	1.833	ug/l #	42
59) 2-Hexanone	11.033	43	211607	34.005	ug/l #	49
74) N-amyl acetate	12.321	43	3416	0.253	ug/l #	44
76) 1,2,3-Trichloropropane	12.674	75	198621	19.510	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	198621	55.491	ug/l #	10

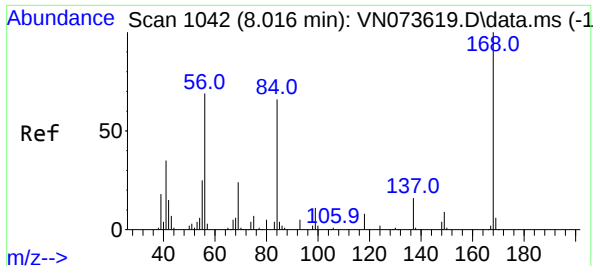
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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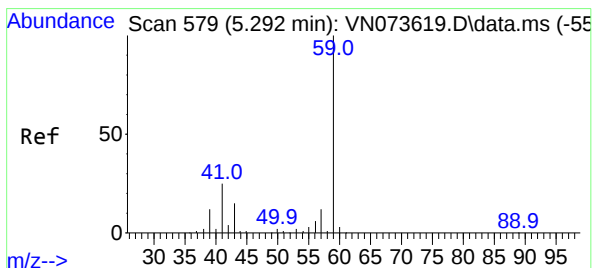
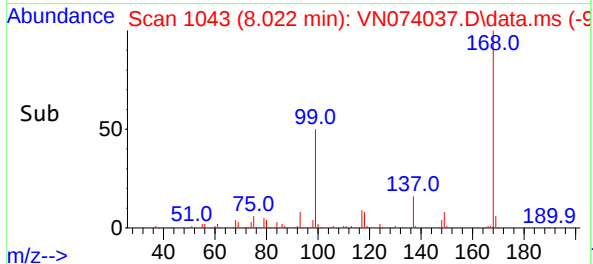
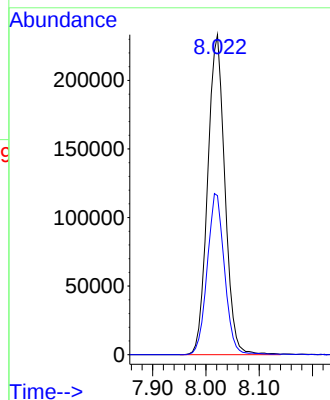
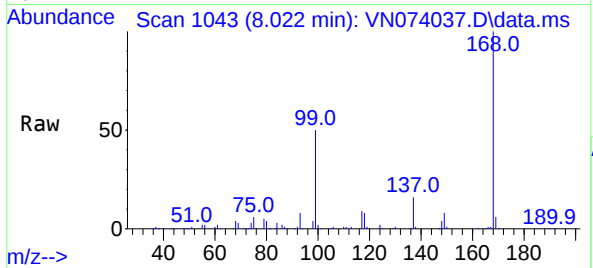




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

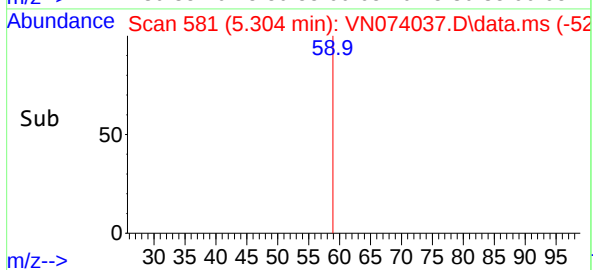
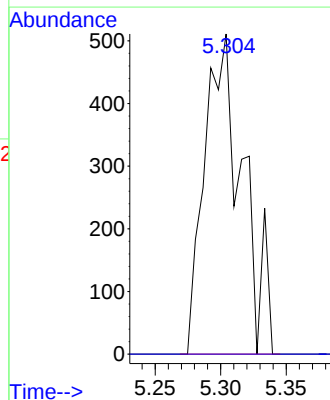
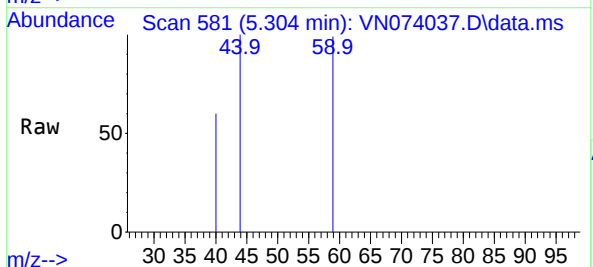
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#08

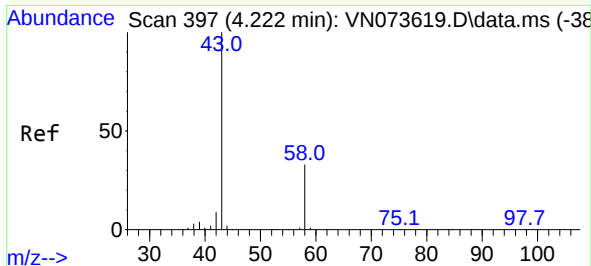
Tgt Ion:168 Resp: 524317
Ion Ratio Lower Upper
168 100
99 49.7 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.907 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.012 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Tgt Ion: 59 Resp: 1036
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

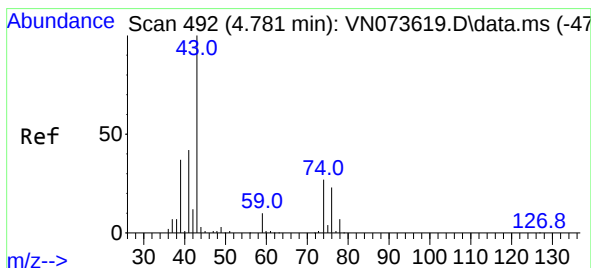
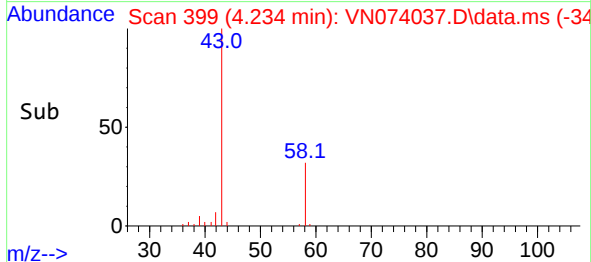
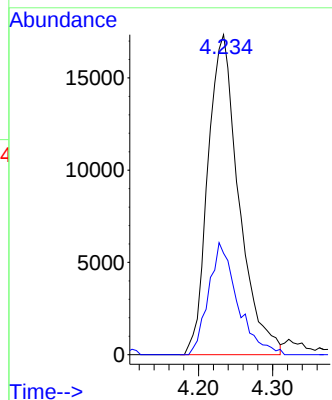
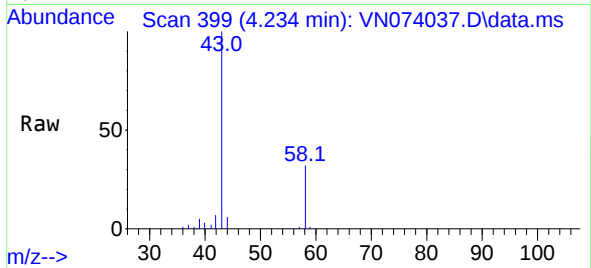




#16
Acetone
Concen: 20.880 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

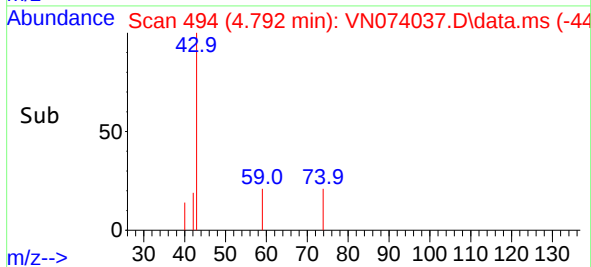
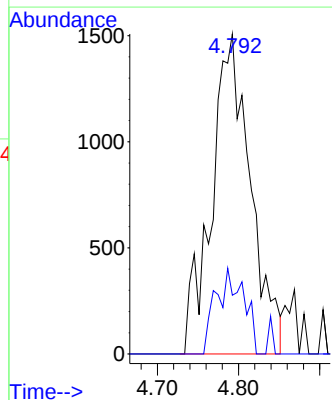
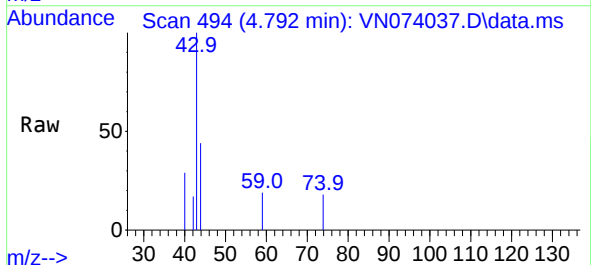
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#08

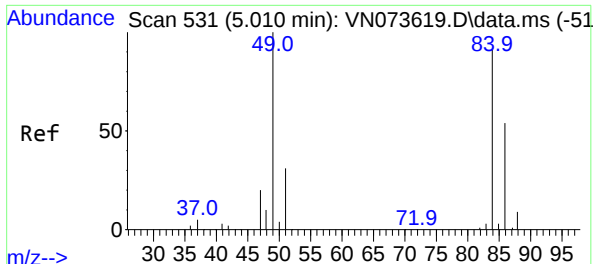
Tgt Ion: 43 Resp: 50307
Ion Ratio Lower Upper
43 100
58 31.7 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.792 min Scan# 494
Delta R.T. 0.011 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

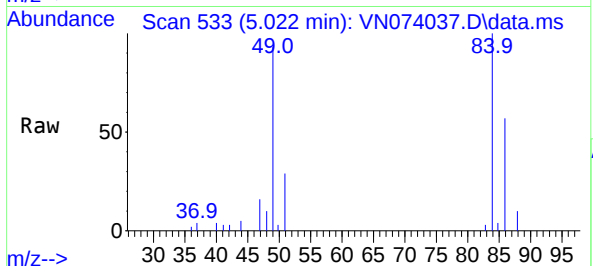
Tgt Ion: 43 Resp: 5026
Ion Ratio Lower Upper
43 100
74 19.0 21.6 32.4#



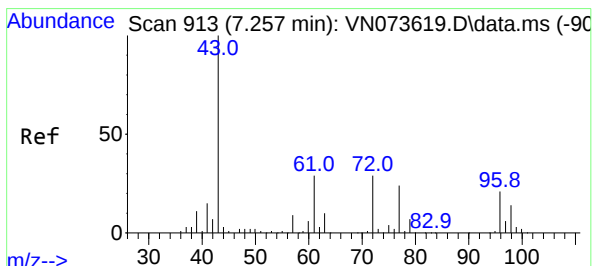
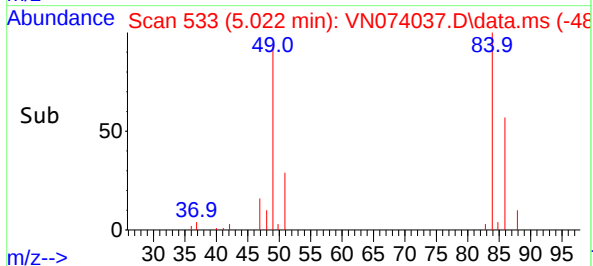
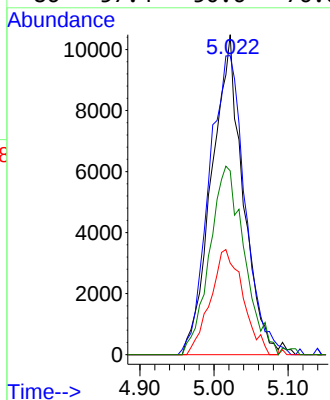


#20
Methylene Chloride
Concen: 6.017 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#08

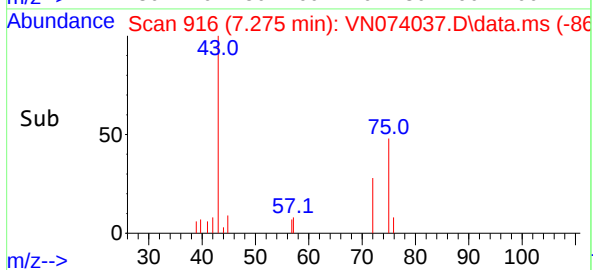
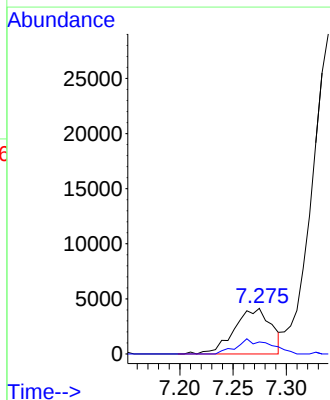
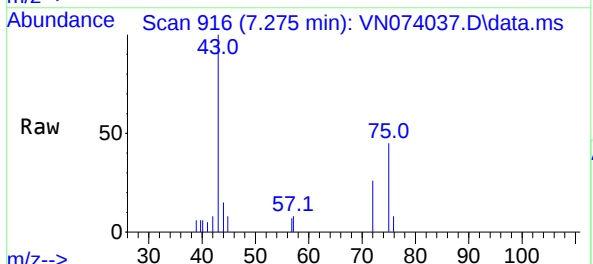


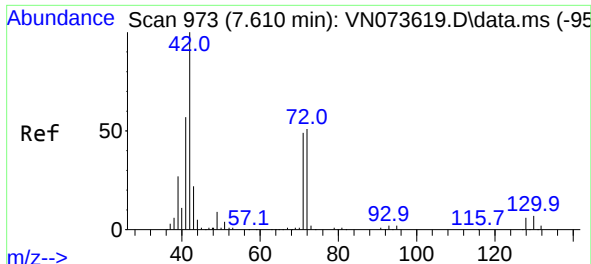
Tgt Ion: 84	Resp: 30589
Ion Ratio	Lower Upper
84 100	
49 93.5	88.3 132.5
51 28.6	28.2 42.2
86 57.4	50.6 76.0



#25
2-Butanone
Concen: 2.614 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Tgt Ion: 43	Resp: 9985		
Ion	Ratio	Lower	Upper
43	100		
72	26.3	23.7	35.5

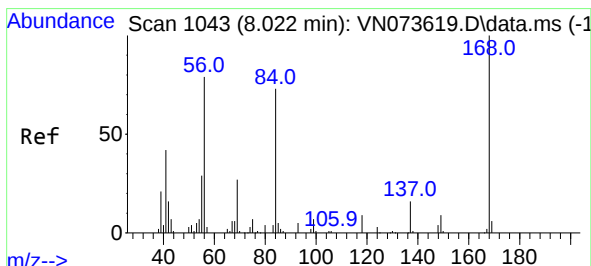
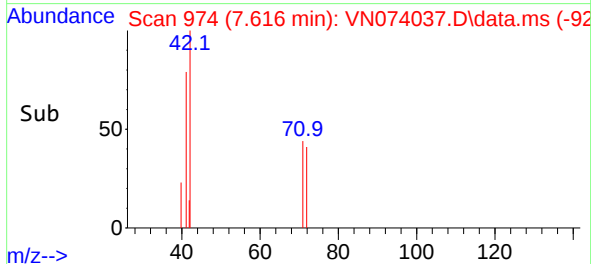
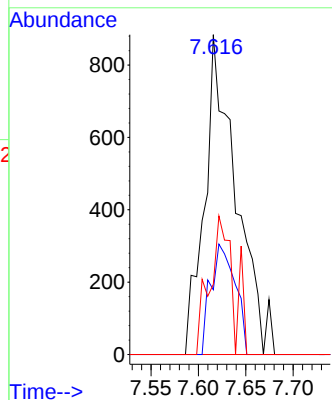
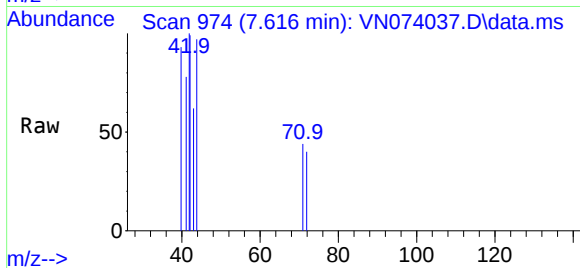




#29
Tetrahydrofuran
Concen: 0.834 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

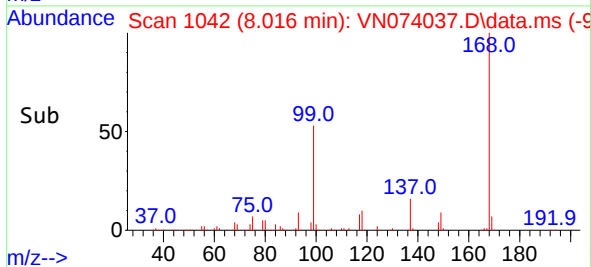
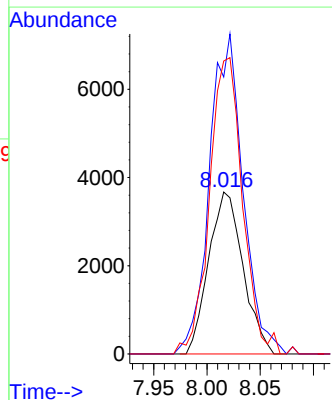
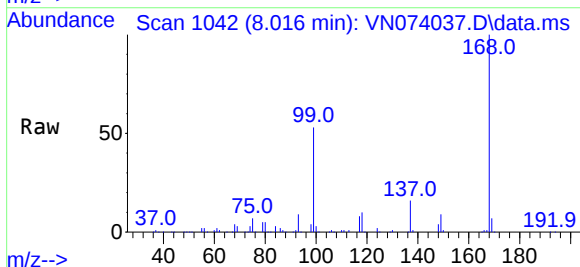
Instrument :
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ClientSampleId :
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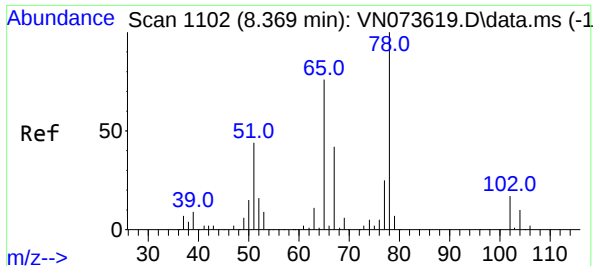
Tgt Ion:	42	Resp:	2044
Ion	Ratio	Lower	Upper
42	100		
72	26.8	39.7	59.5#
71	32.4	36.6	55.0#



#31
Cyclohexane
Concen: 1.156 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Tgt Ion:	56	Resp:	8231
Ion	Ratio	Lower	Upper
56	100		
69	166.6	27.8	41.8#
84	180.9	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 55.360 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074037.D

Acq: 19 Aug 2022 19:31

Instrument :

MSVOA_N

ClientSampleId :

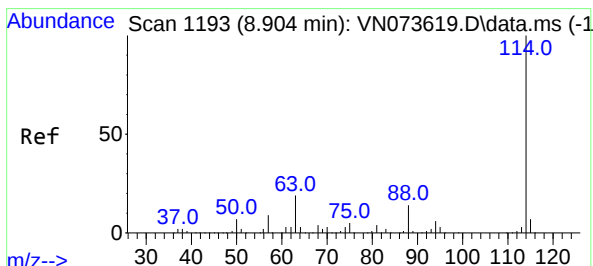
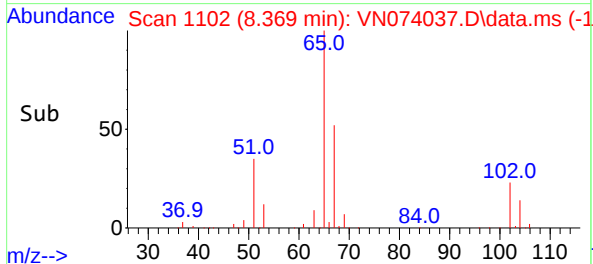
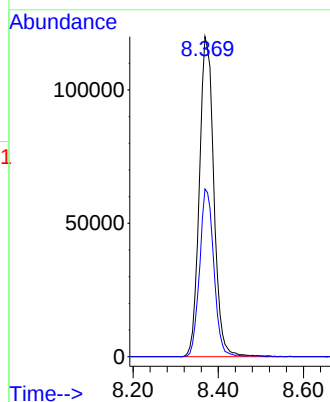
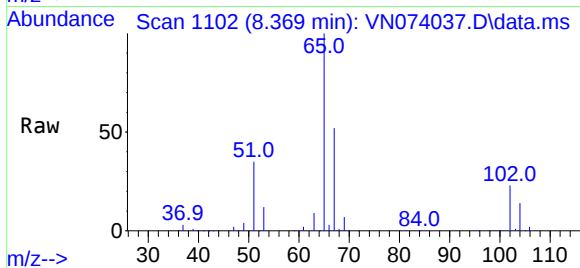
PB147119ZHE#08

Tgt Ion: 65 Resp: 282714

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: VN074037.D

Acq: 19 Aug 2022 19:31

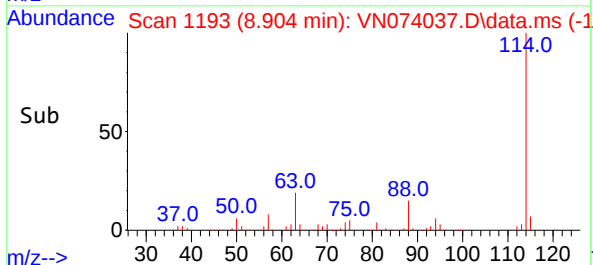
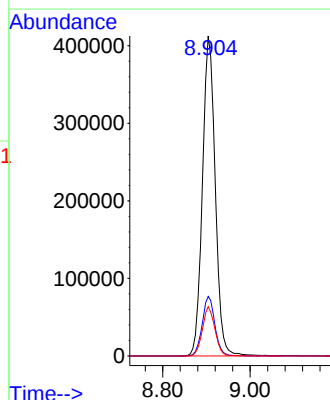
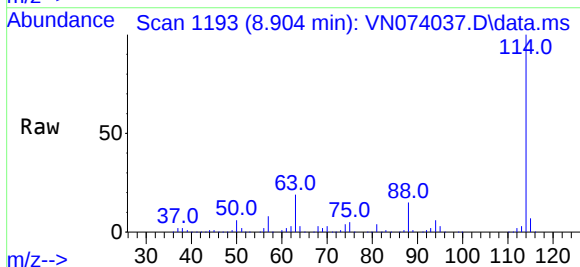
Tgt Ion: 114 Resp: 843597

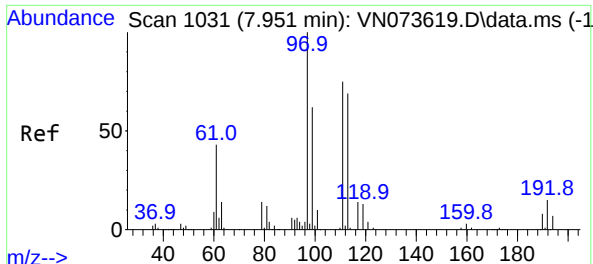
Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

88 15.4 0.0 32.6

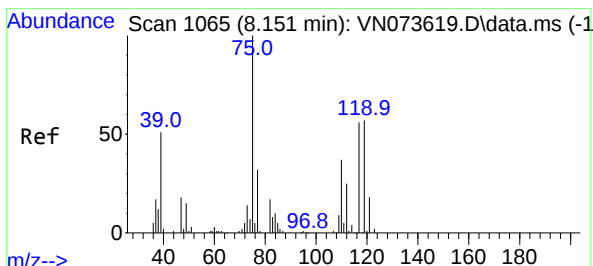
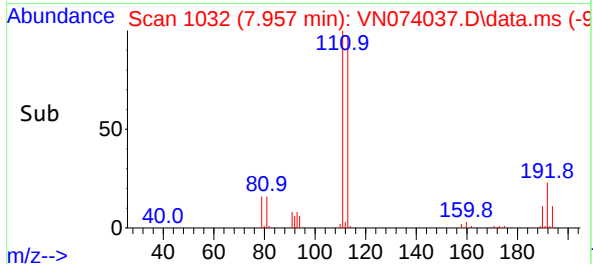
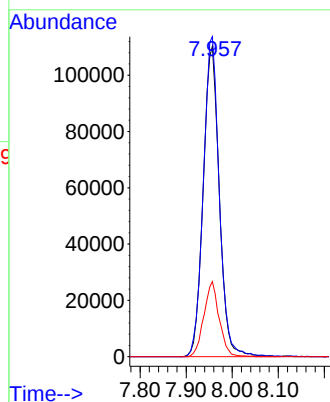
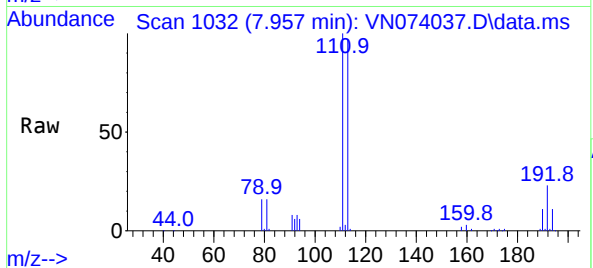




#35
Dibromofluoromethane
Concen: 53.931 ug/l
RT: 7.957 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

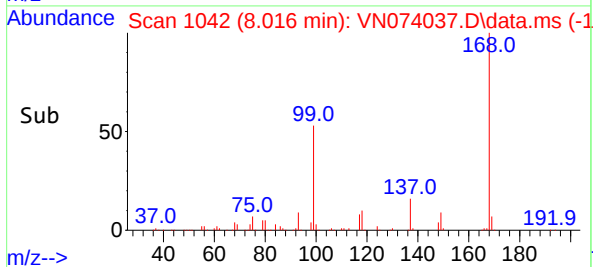
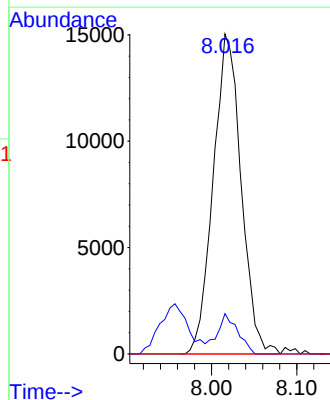
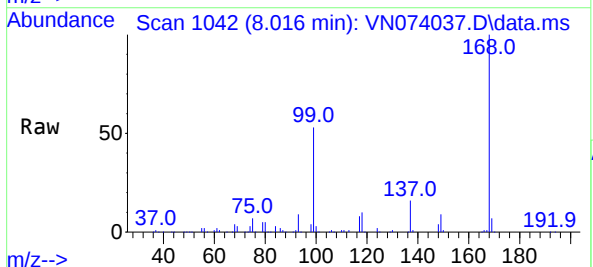
Instrument :
MSVOA_N
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PB147119ZHE#08

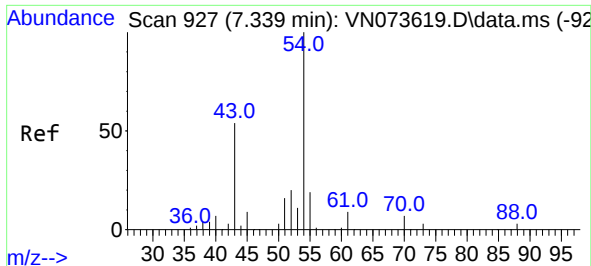
Tgt Ion:113 Resp: 269061
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 23.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.940 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Tgt Ion: 75 Resp: 34233
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 25.1 37.7#

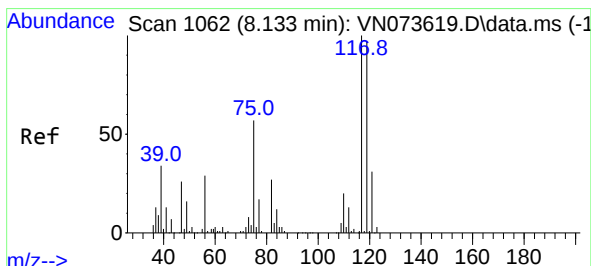
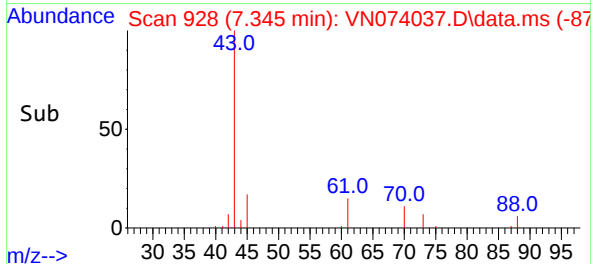
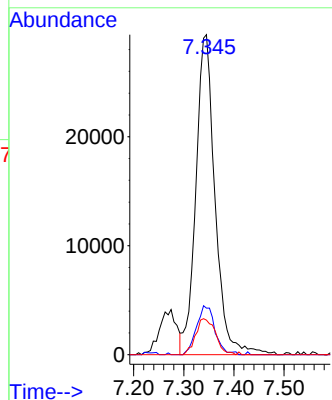
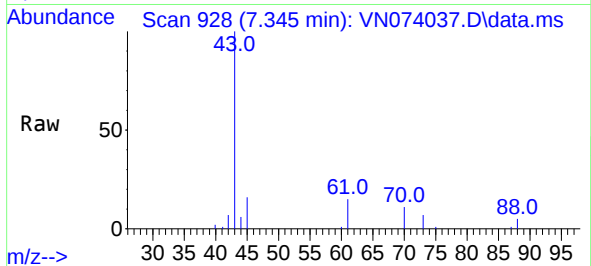




#37
Ethyl Acetate
Concen: 9.301 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

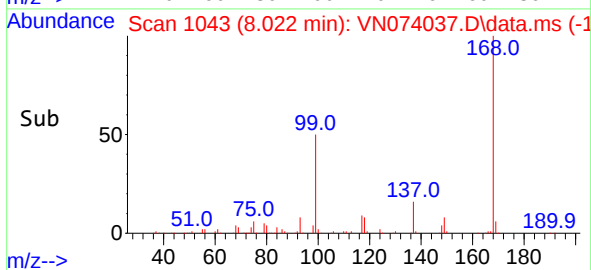
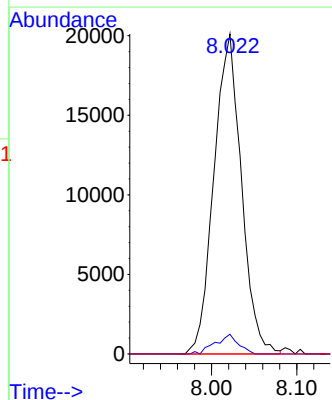
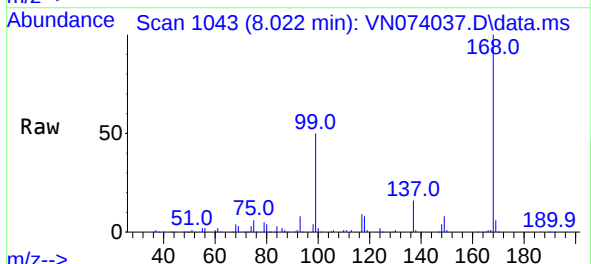
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#08

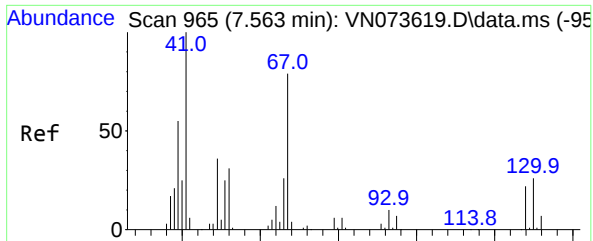
Tgt Ion: 43 Resp: 78083
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 11.6 9.3 13.9



#38
Carbon Tetrachloride
Concen: 5.690 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

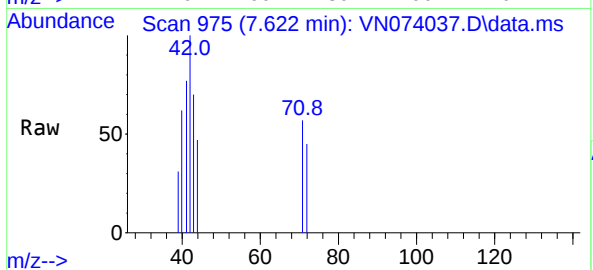
Tgt Ion: 117 Resp: 45069
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.8#
121 0.0 24.6 37.0#



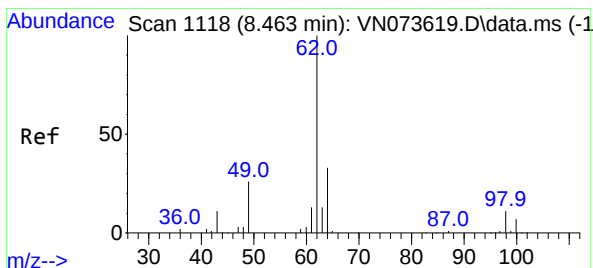
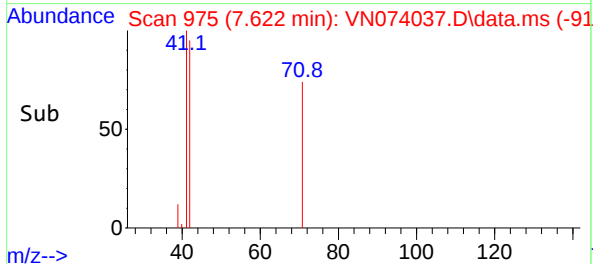
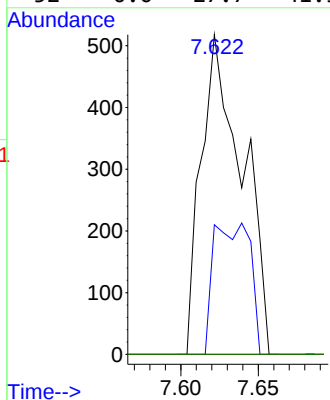


#41
Methacrylonitrile
Concen: 0.252 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#08

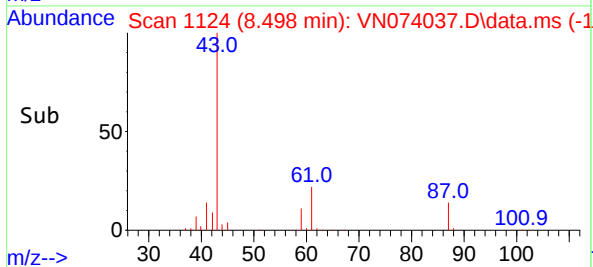
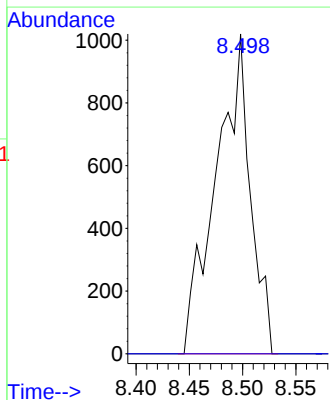
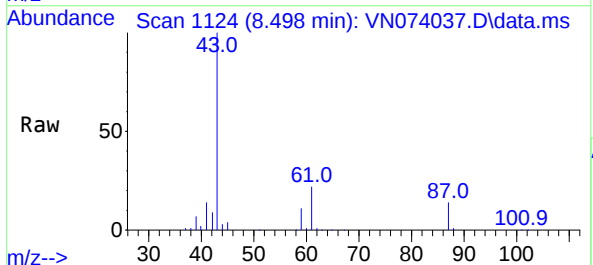


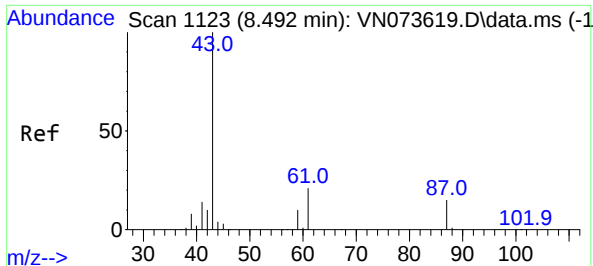
Tgt Ion: 41	Resp: 955
Ion Ratio	Lower Upper
41 100	
39 36.5	48.6 73.0#
67 0.0	73.4 110.2#
52 0.0	27.7 41.5#



#42
1,2-Dichloroethane
Concen: 0.305 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.035 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Tgt Ion: 62	Resp: 2292
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 19.4

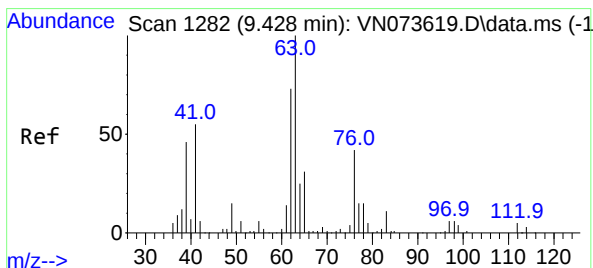
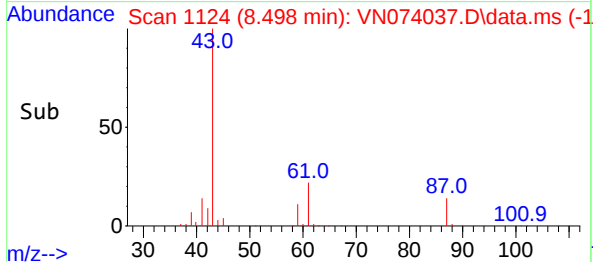
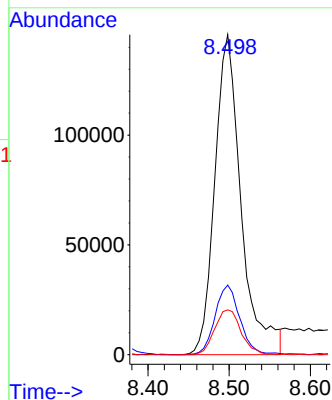
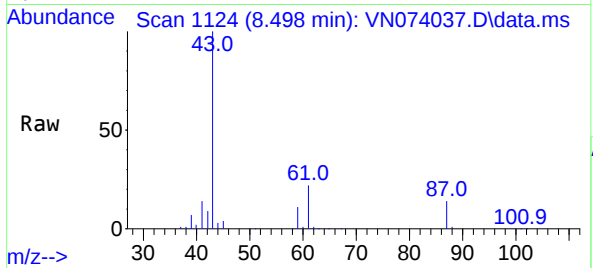




#43
Isopropyl Acetate
Concen: 27.481 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

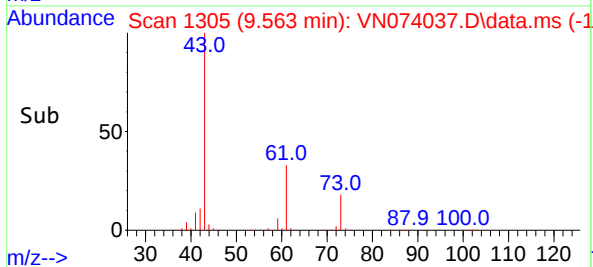
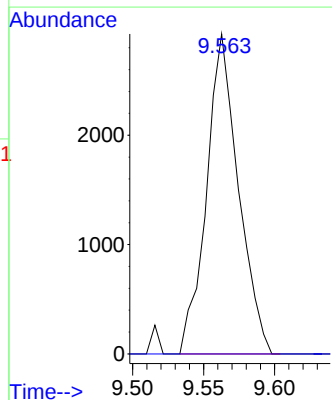
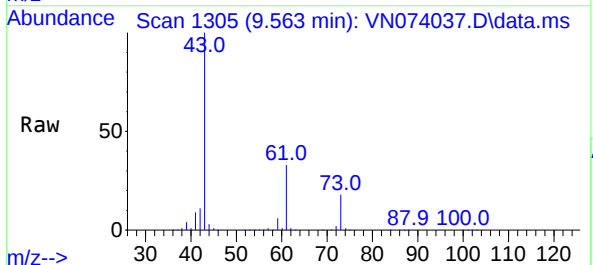
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#08

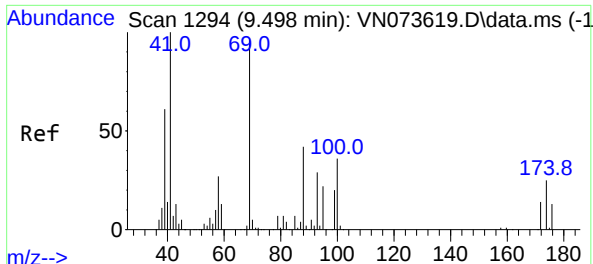
Tgt Ion: 43 Resp: 328660
Ion Ratio Lower Upper
43 100
61 20.6 21.9 32.9#
87 14.1 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.873 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.135 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Tgt Ion: 63 Resp: 4576
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

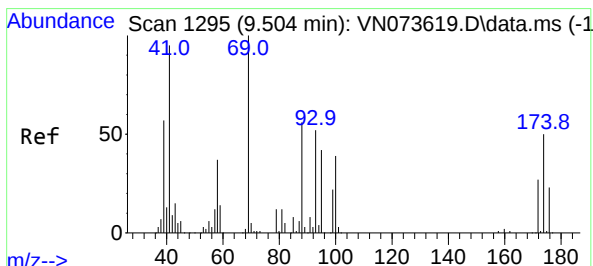
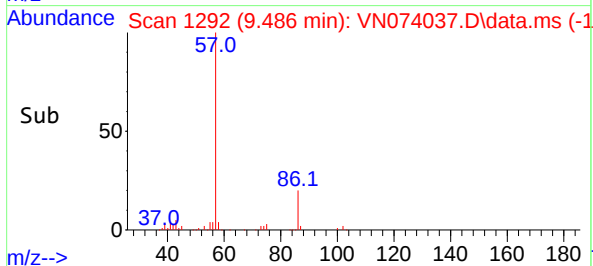
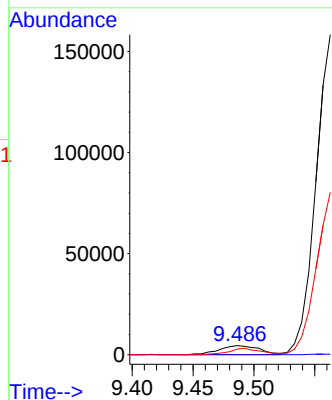
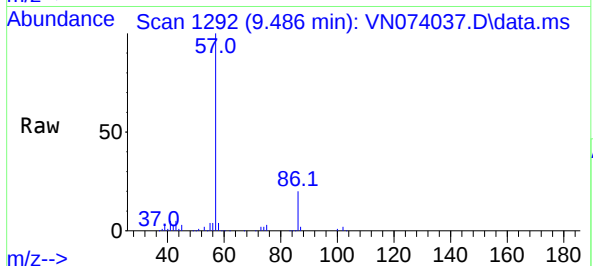




#48
Methyl methacrylate
Concen: 2.031 ug/l
RT: 9.486 min Scan# 1294
Delta R.T. -0.012 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

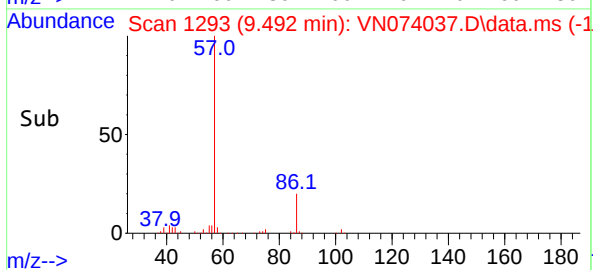
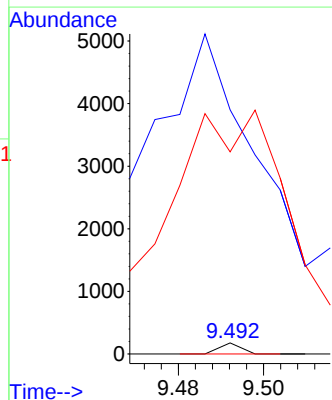
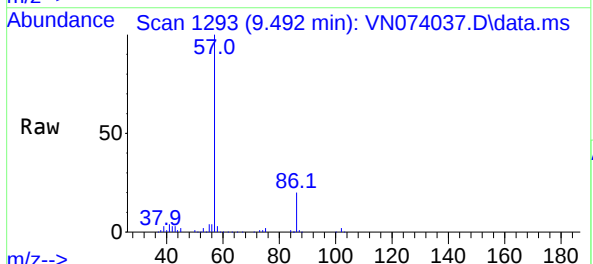
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#08

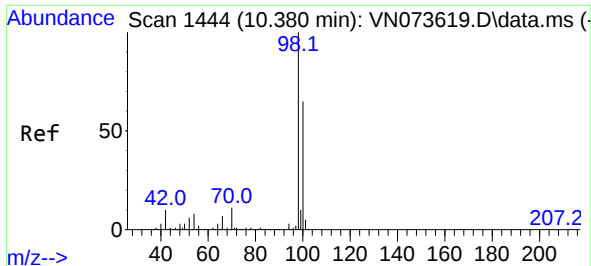
Tgt Ion: 41 Resp: 10394
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 54.7 45.6 68.4



#49
1,4-Dioxane
Concen: 0.407 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.012 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 13608.1 54.2 81.4#

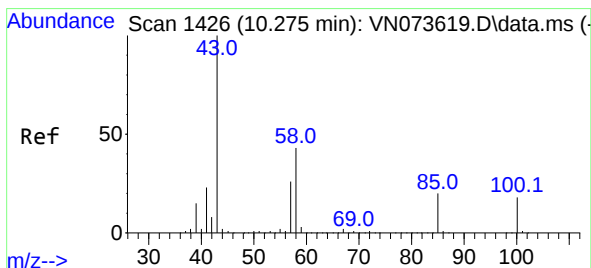
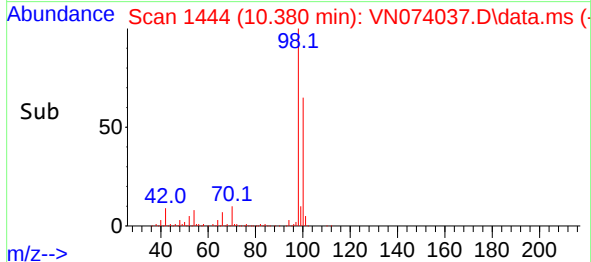
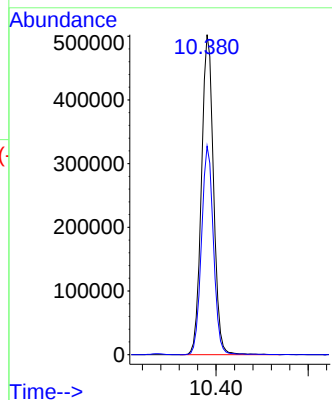
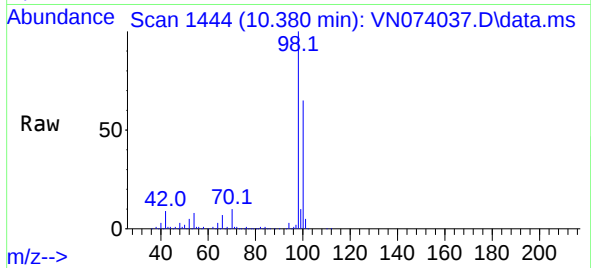




#50
Toluene-d8
Concen: 47.406 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

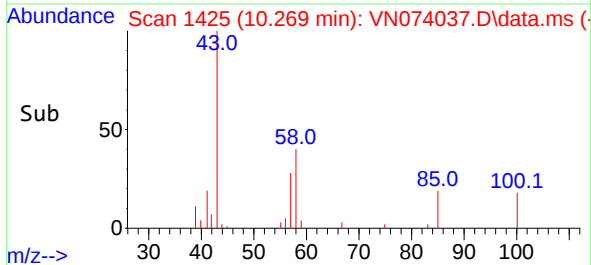
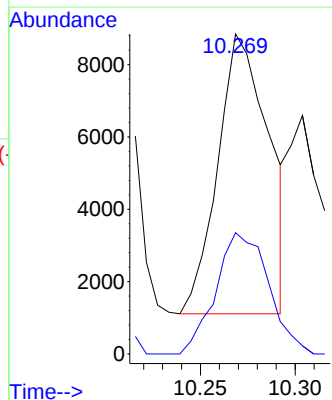
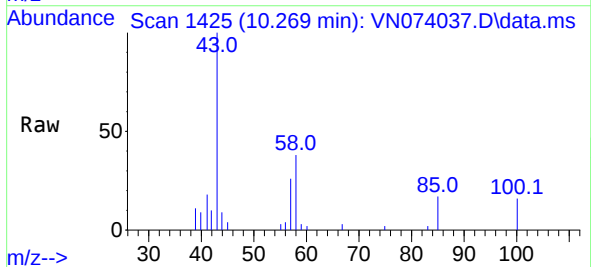
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#08

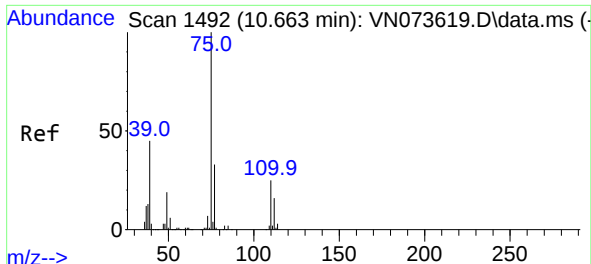
Tgt Ion: 98 Resp: 915968
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.781 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Tgt Ion: 43 Resp: 14400
Ion Ratio Lower Upper
43 100
58 45.1 34.1 51.1

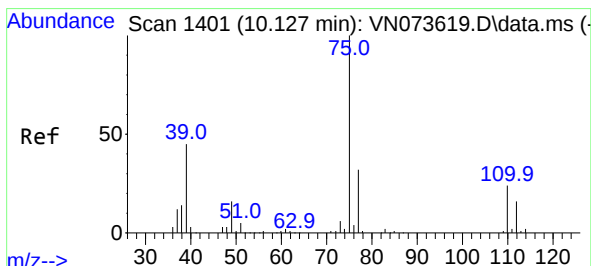
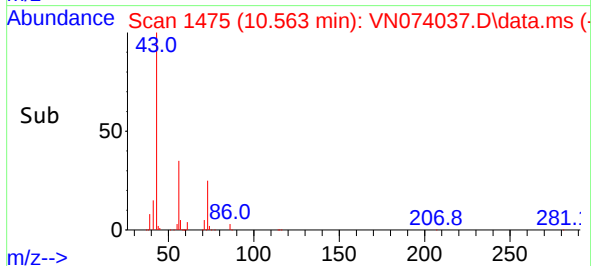
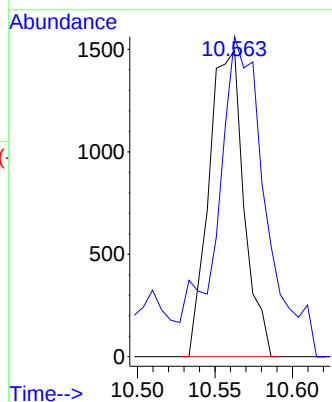
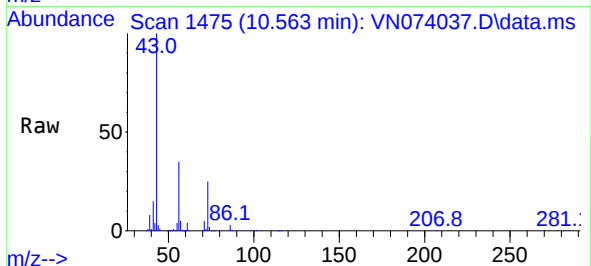




#53
t-1,3-Dichloropropene
Concen: 0.294 ug/l
RT: 10.563 min Scan# 1410
Delta R.T. -0.100 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

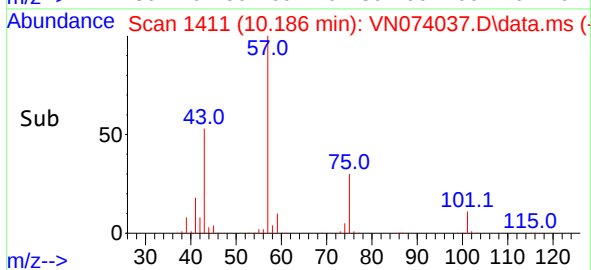
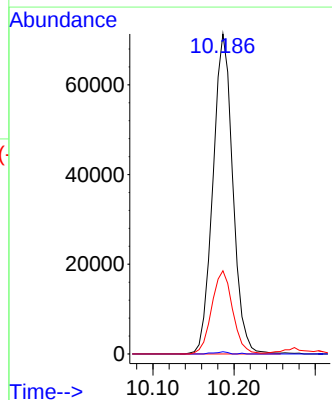
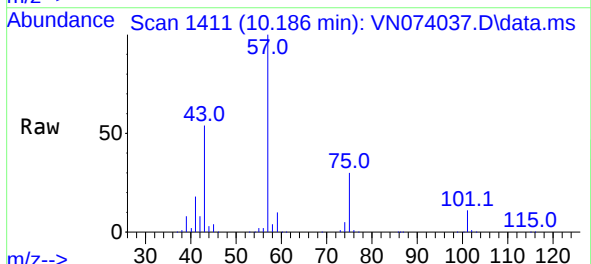
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#08

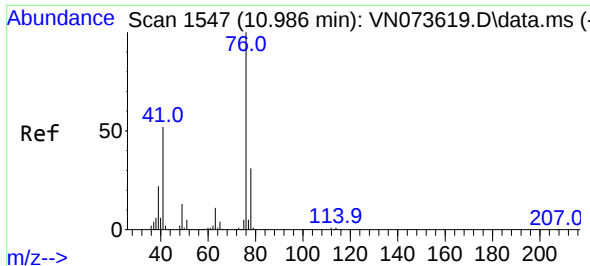
Tgt Ion: 75 Resp: 2350
Ion Ratio Lower Upper
75 100
77 93.3 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 13.867 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Tgt Ion: 75 Resp: 121277
Ion Ratio Lower Upper
75 100
77 0.7 25.2 37.8#
39 26.0 35.7 53.5#

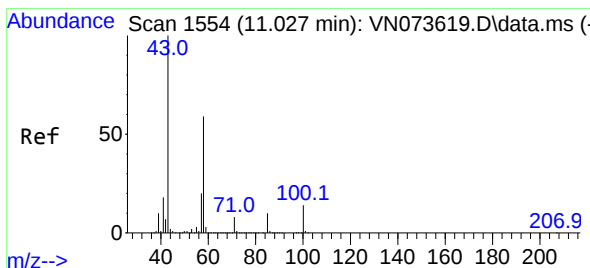
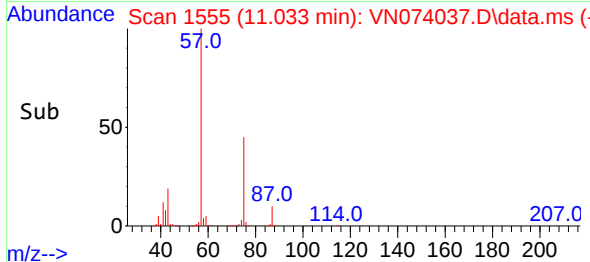
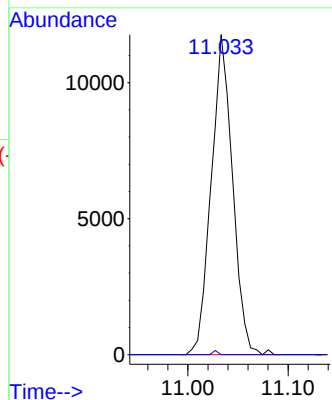
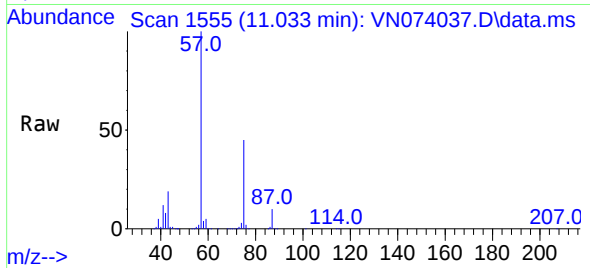




#57
1,3-Dichloropropane
Concen: 1.833 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

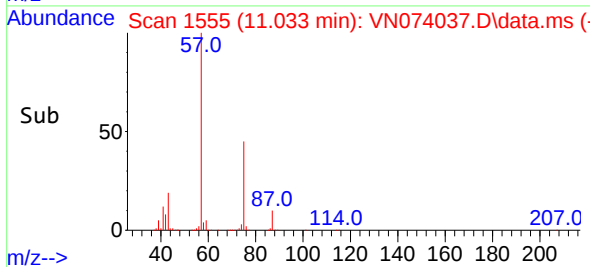
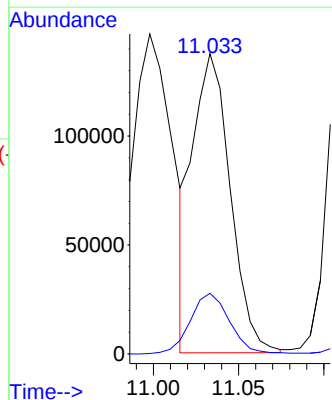
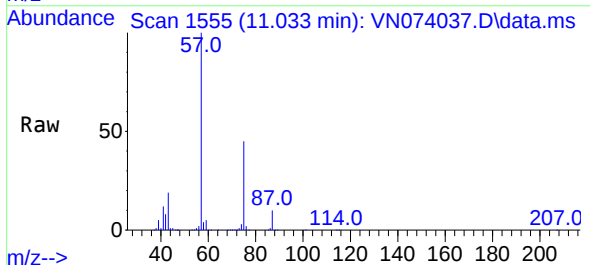
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#08

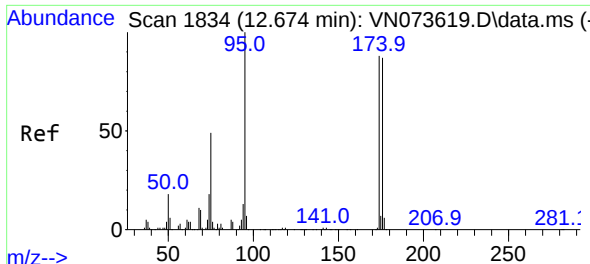
Tgt Ion: 76 Resp: 17389
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#



#59
2-Hexanone
Concen: 34.005 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Tgt Ion: 43 Resp: 211607
Ion Ratio Lower Upper
43 100
58 21.3 29.7 89.1#

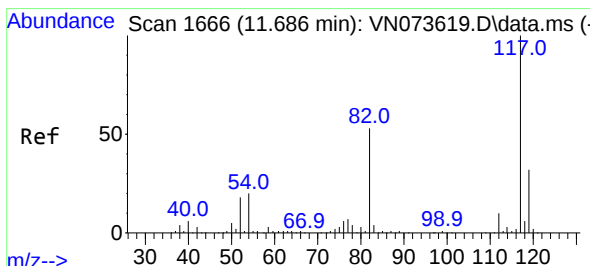
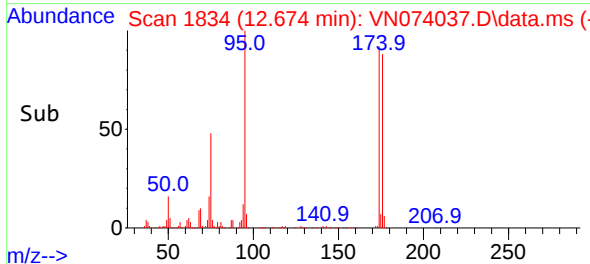
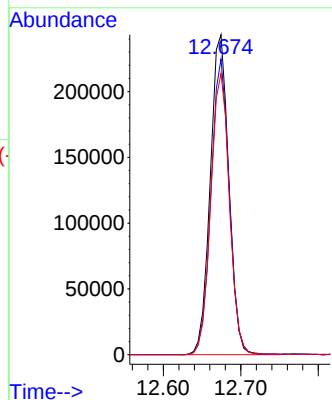
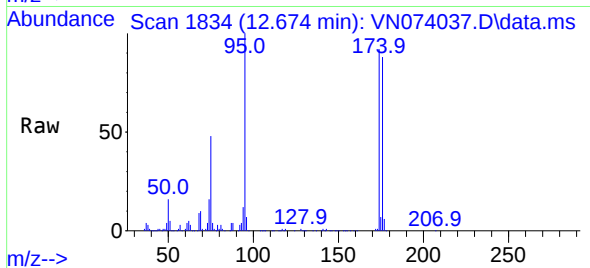




#62
4-Bromofluorobenzene
Concen: 63.064 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

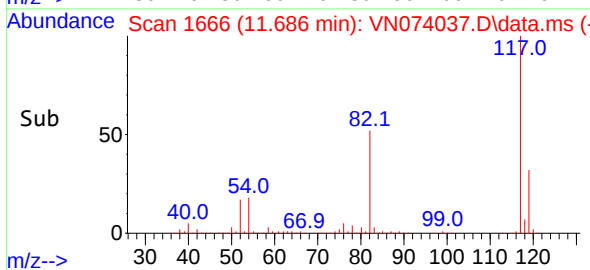
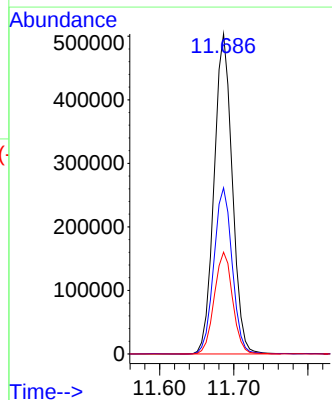
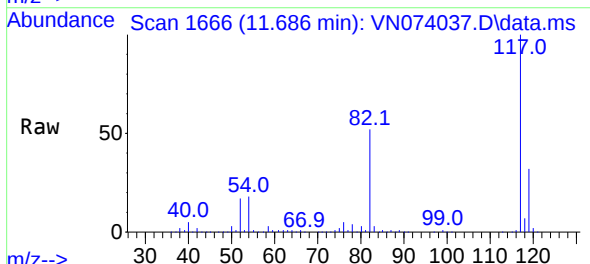
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#08

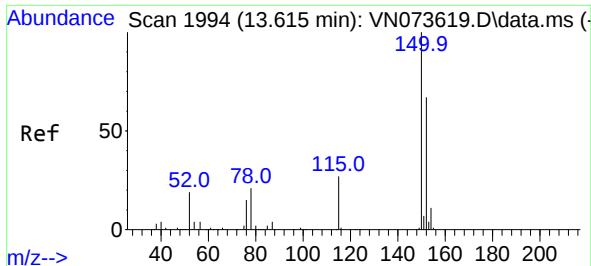
Tgt Ion: 95 Resp: 404397
Ion Ratio Lower Upper
95 100
174 91.6 0.0 167.6
176 88.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

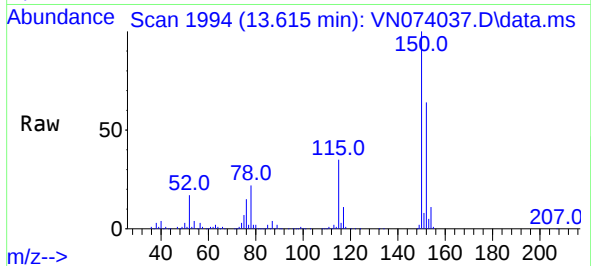
Tgt Ion: 117 Resp: 856957
Ion Ratio Lower Upper
117 100
82 51.9 44.2 66.2
119 31.8 25.4 38.0



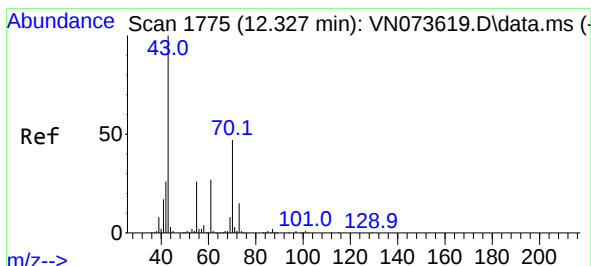
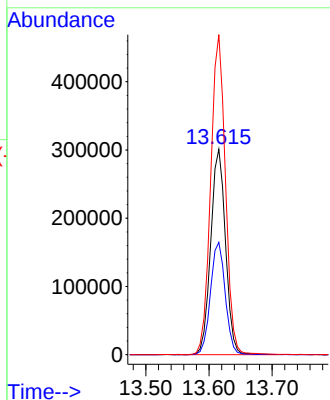
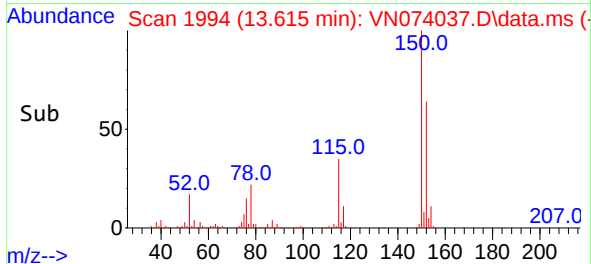


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

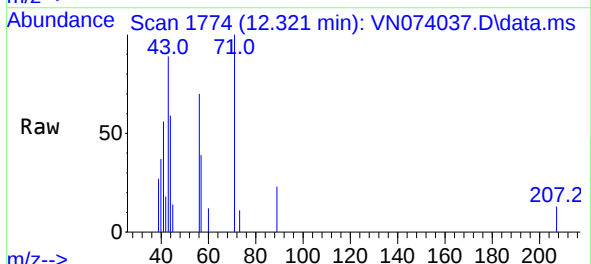
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#08



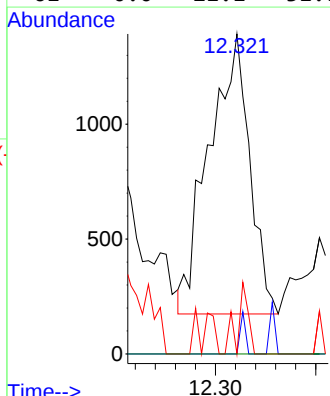
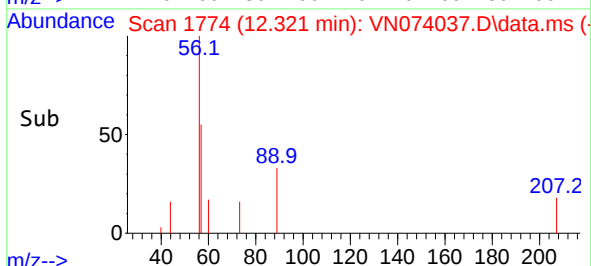
Tgt Ion:152 Resp: 489790
Ion Ratio Lower Upper
152 100
115 54.7 28.9 86.7
150 155.5 0.0 356.2

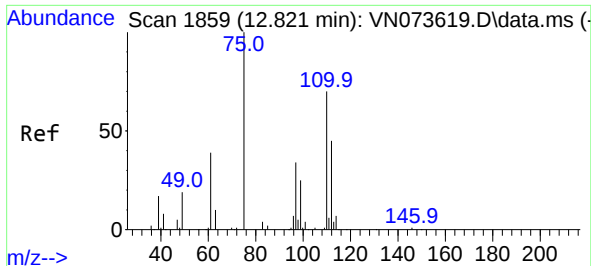


#74
N-ethyl acetate
Concen: 0.253 ug/l
RT: 12.321 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31



Tgt Ion: 43 Resp: 3416
Ion Ratio Lower Upper
43 100
70 1.9 39.0 58.4#
55 6.9 21.1 31.7#
61 0.0 21.1 31.7#

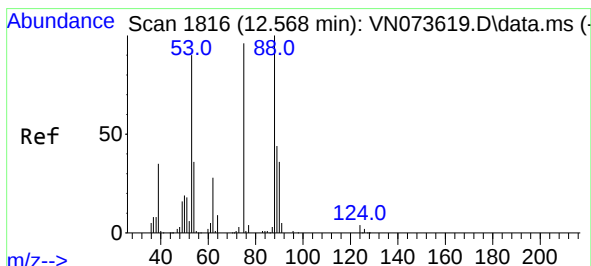
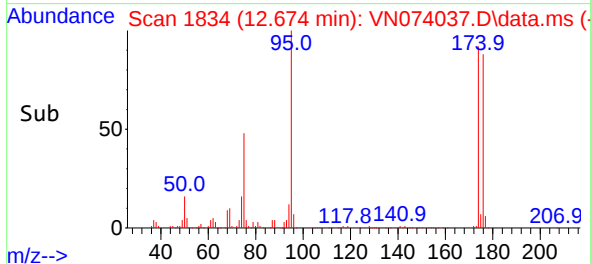
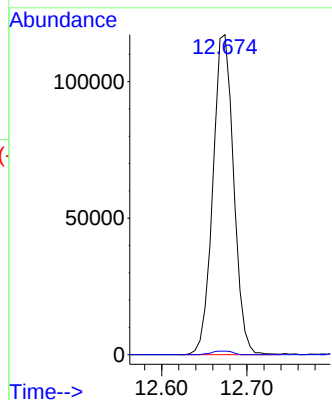
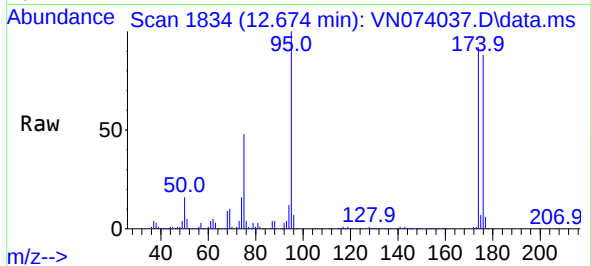




#76
1,2,3-Trichloropropane
Concen: 19.510 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#08

Tgt Ion: 75 Resp: 198621
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.491 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074037.D
Acq: 19 Aug 2022 19:31

Tgt Ion: 75 Resp: 198621
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

