

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081922\
 Data File : VN074033.D
 Acq On : 19 Aug 2022 17:52
 Operator : JC\MD
 Sample : PB147119ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147119ZHE#04

Quant Time: Aug 20 03:06:39 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)

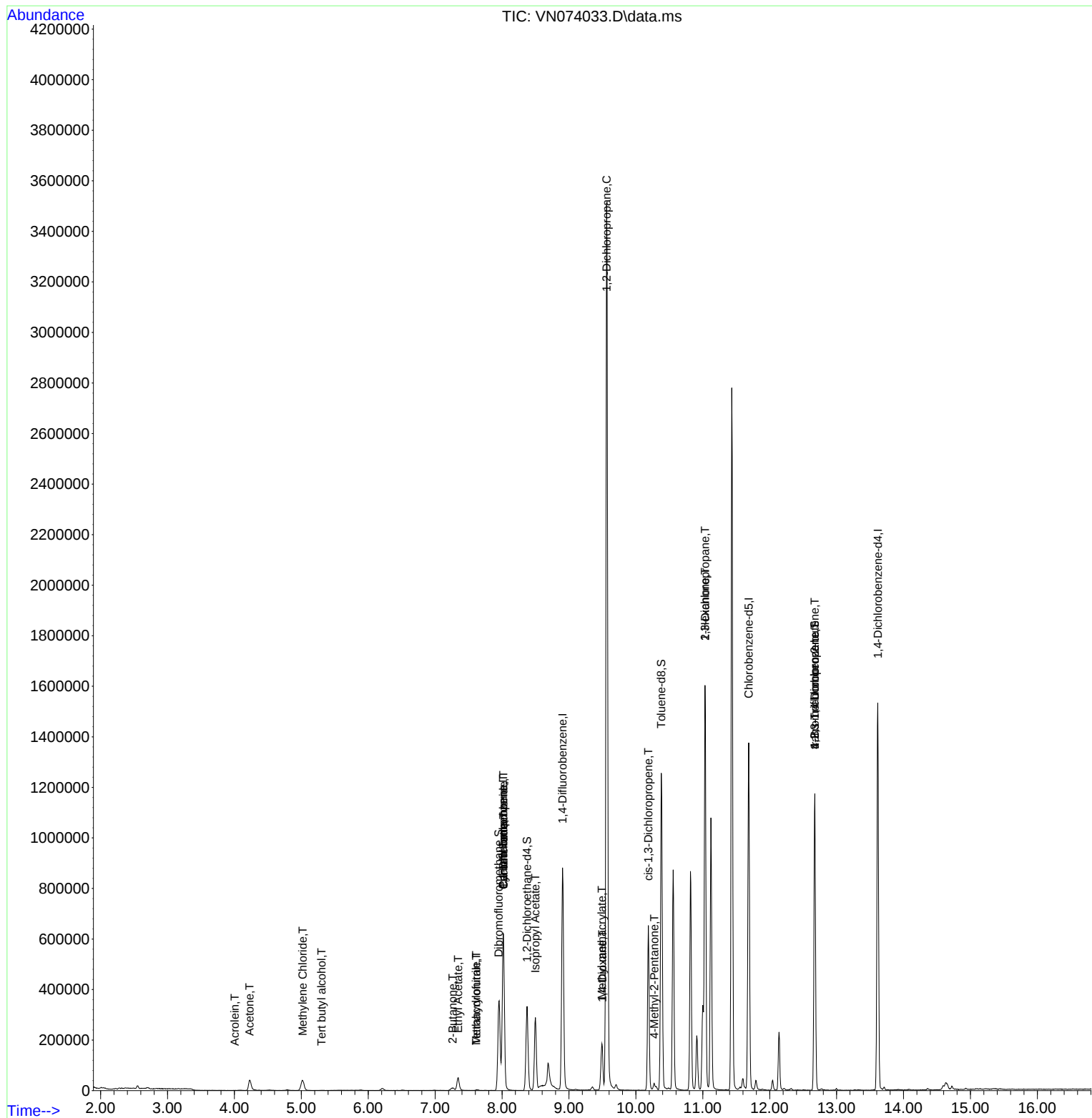
Internal Standards						
1) Pentafluorobenzene	8.016	168	523951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	830296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	836149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	452004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	274081	53.707	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.420%			
35) Dibromofluoromethane	7.951	113	262442	53.447	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.900%			
50) Toluene-d8	10.380	98	901045	47.381	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.760%			
62) 4-Bromofluorobenzene	12.674	95	389106	61.651	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 123.300%#			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.304	59	944	0.827	ug/l #	72
13) Acrolein	4.004	56	241	0.302	ug/l #	16
16) Acetone	4.228	43	75729	31.453	ug/l	91
18) Methyl Acetate	4.787	43	5390	Below Cal	#	66
20) Methylene Chloride	5.022	84	37036	7.290	ug/l #	95
25) 2-Butanone	7.263	43	13327	3.491	ug/l #	75
29) Tetrahydrofuran	7.616	42	2183	0.891	ug/l	93
31) Cyclohexane	8.022	56	8349	1.174	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	33996	4.985	ug/l #	50
37) Ethyl Acetate	7.345	43	76550	9.265	ug/l	98
38) Carbon Tetrachloride	8.022	117	47329	6.071	ug/l #	17
41) Methacrylonitrile	7.616	41	826	0.221	ug/l #	35
43) Isopropyl Acetate	8.498	43	310927	26.415	ug/l #	92
45) 1,2-Dichloropropane	9.563	63	5006	0.970	ug/l #	44
48) Methyl methacrylate	9.492	41	10312	2.047	ug/l #	40
49) 1,4-Dioxane	9.498	88	77	0.514	ug/l #	1
51) 4-Methyl-2-Pentanone	10.274	43	25506	3.205	ug/l #	75
54) cis-1,3-Dichloropropene	10.186	75	123915	14.395	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	17838	1.911	ug/l #	42
59) 2-Hexanone	11.033	43	212439	34.685	ug/l #	49
76) 1,2,3-Trichloropropane	12.674	75	189295	20.149	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	189295	57.307	ug/l #	10

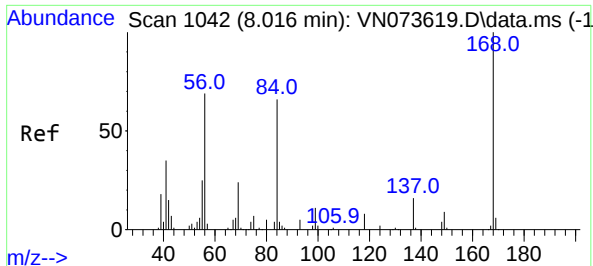
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
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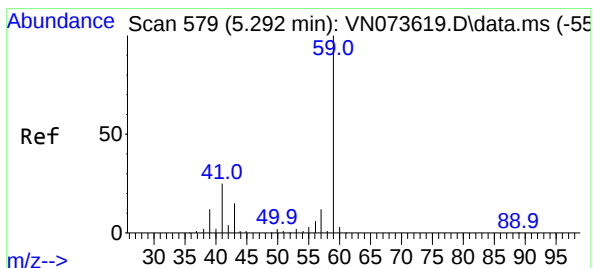
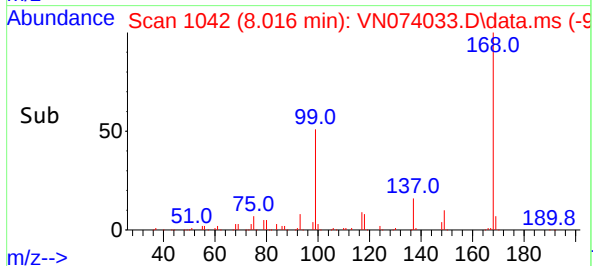
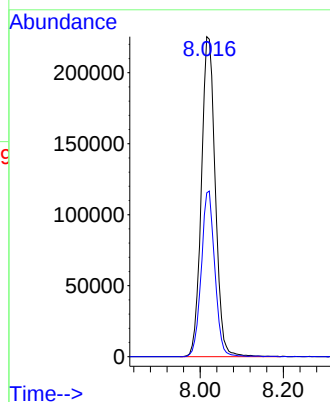
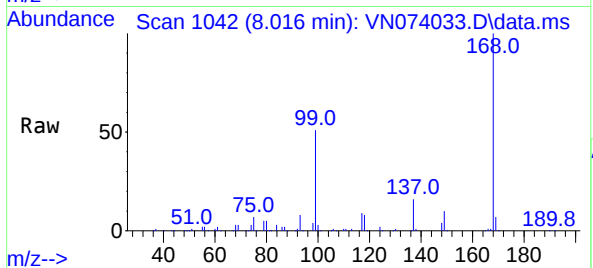




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

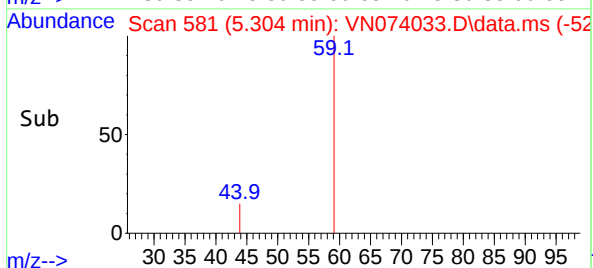
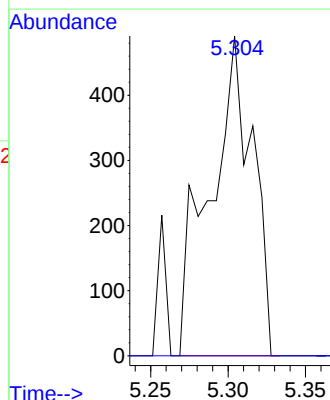
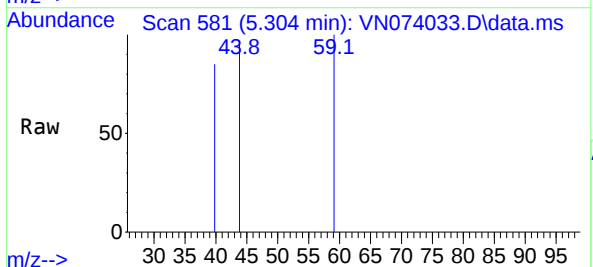
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#04

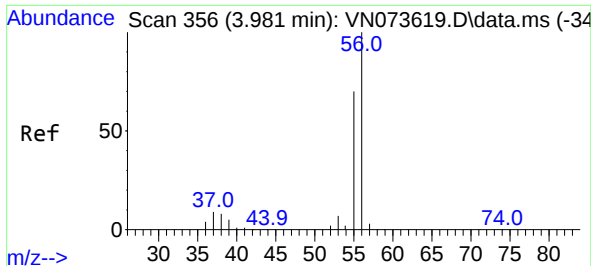
Tgt Ion:168 Resp: 523951
Ion Ratio Lower Upper
168 100
99 51.2 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.827 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.012 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 59 Resp: 944
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

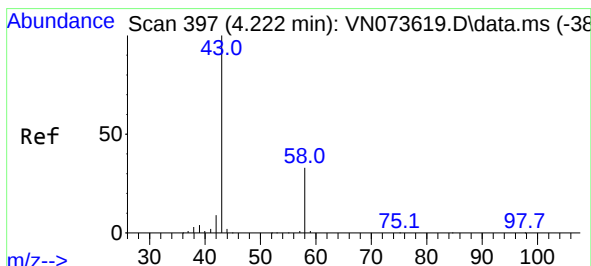
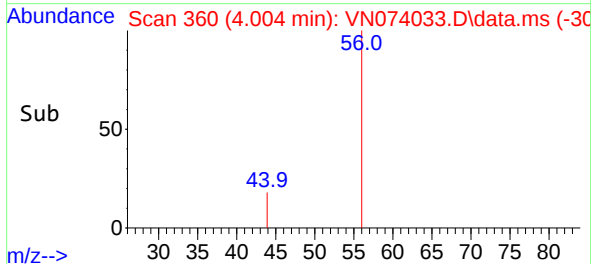
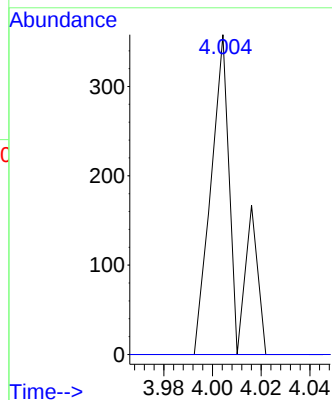
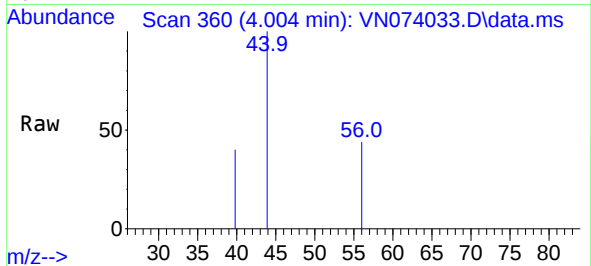




#13
Acrolein
Concen: 0.302 ug/l
RT: 4.004 min Scan# 30
Delta R.T. 0.023 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

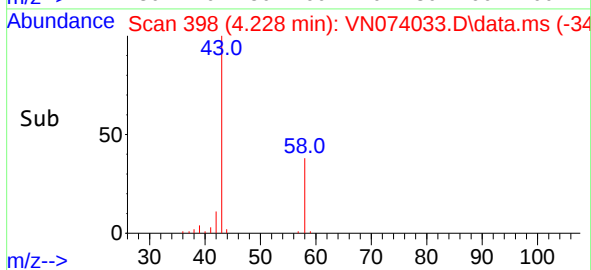
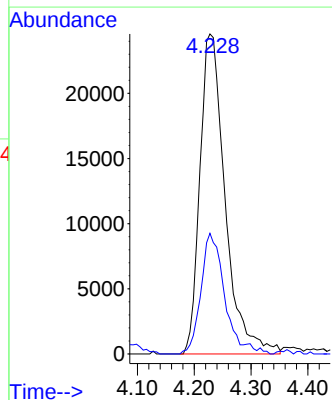
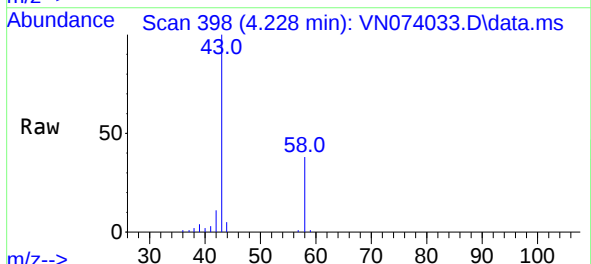
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#04

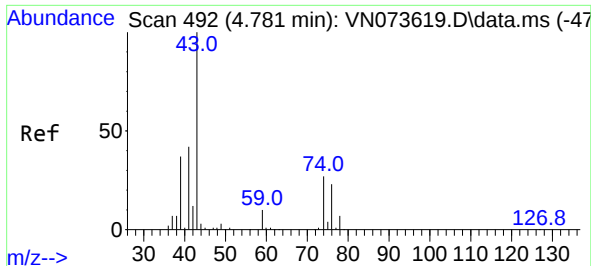
Tgt Ion: 56 Resp: 241
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 31.453 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 43 Resp: 75729
Ion Ratio Lower Upper
43 100
58 37.7 26.0 39.0

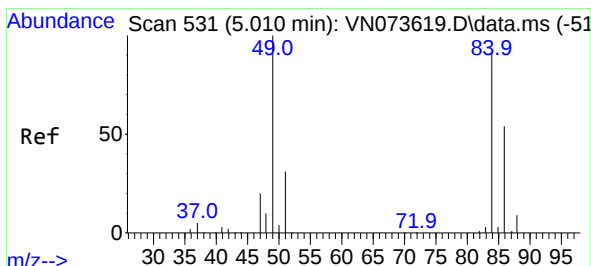
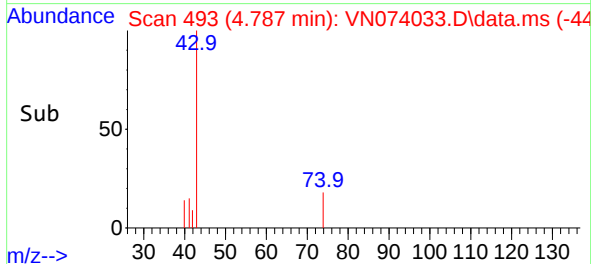
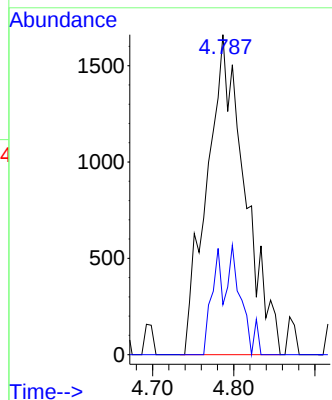
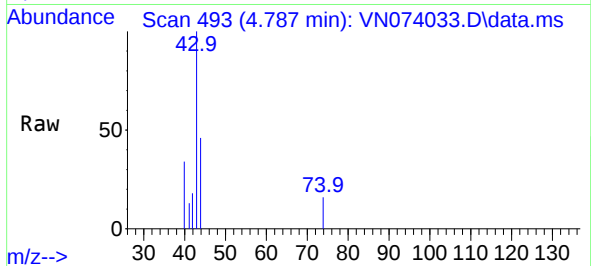




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

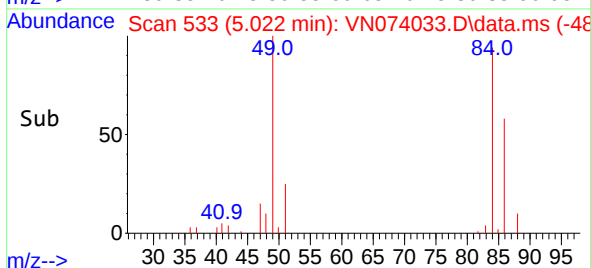
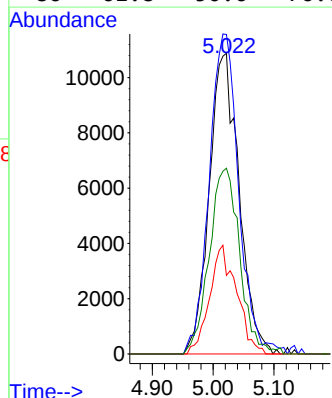
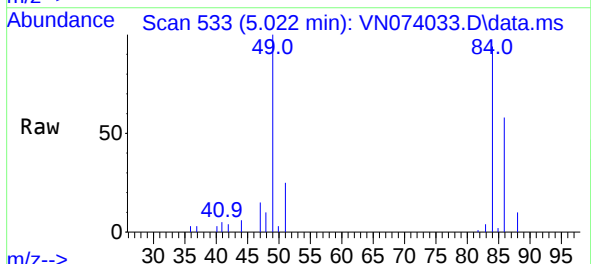
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#04

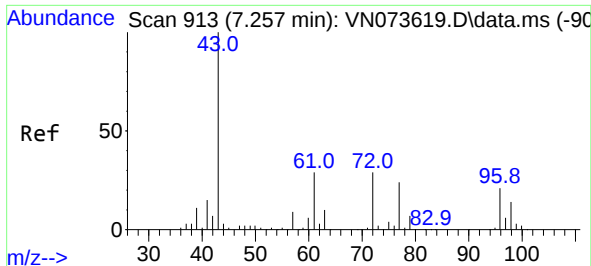
Tgt Ion: 43 Resp: 5390
Ion Ratio Lower Upper
43 100
74 9.2 21.6 32.4#



#20
Methylene Chloride
Concen: 7.290 ug/l
RT: 5.022 min Scan# 533
Delta R.T. 0.012 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 84 Resp: 37036
Ion Ratio Lower Upper
84 100
49 106.3 88.3 132.5
51 26.1 28.2 42.2#
86 61.8 50.6 76.0

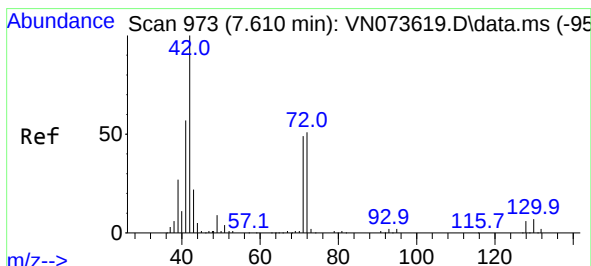
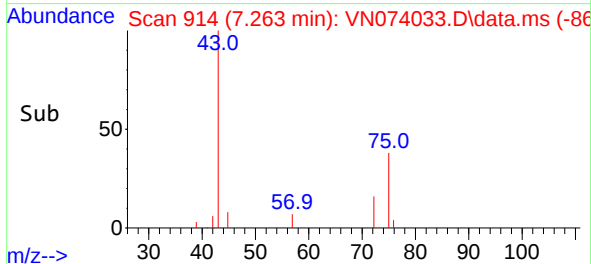
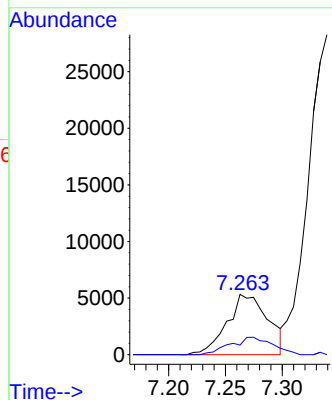
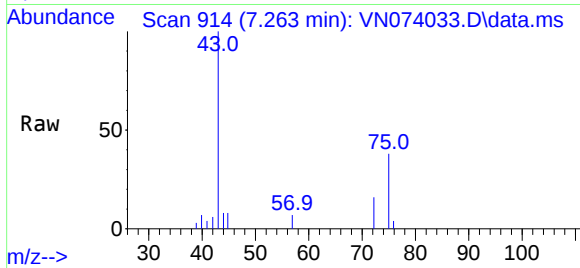




#25
2-Butanone
Concen: 3.491 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

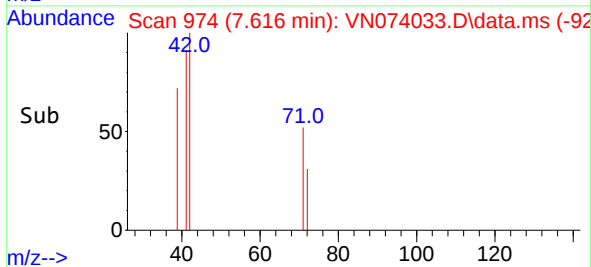
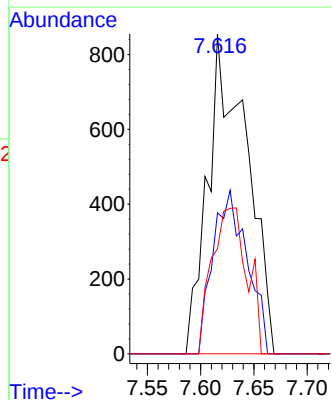
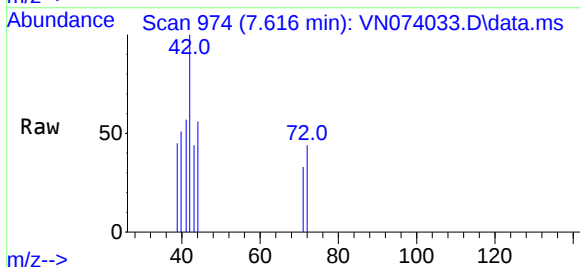
Instrument :
MSVOA_N
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PB147119ZHE#04

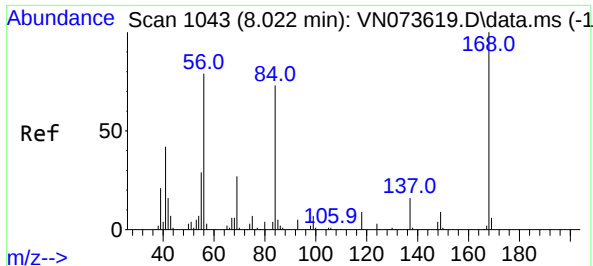
Tgt Ion: 43 Resp: 13327
Ion Ratio Lower Upper
43 100
72 16.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.891 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.006 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 42 Resp: 2183
Ion Ratio Lower Upper
42 100
72 44.6 39.7 59.5
71 41.0 36.6 55.0

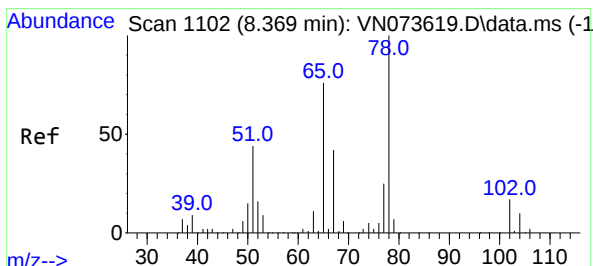
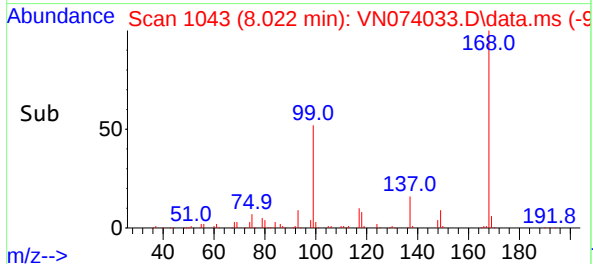
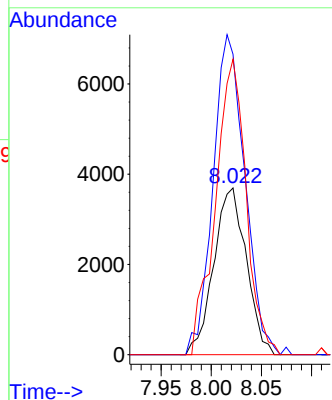
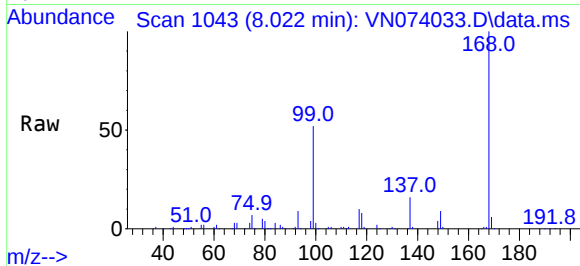




#31
Cyclohexane
Concen: 1.174 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

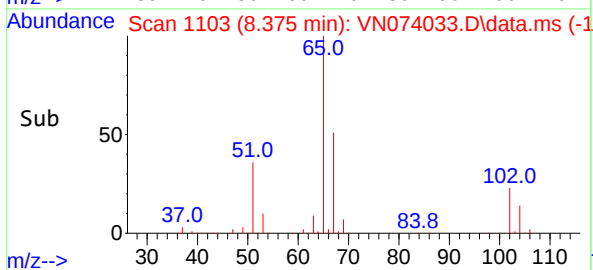
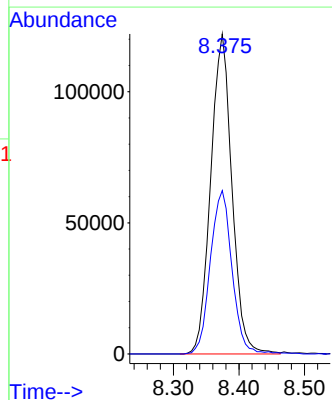
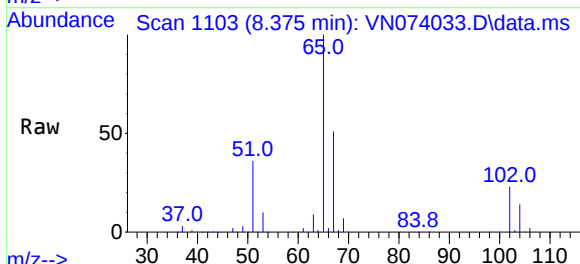
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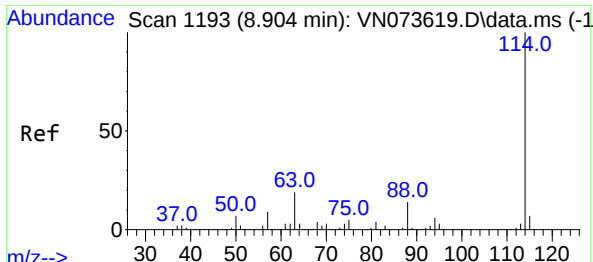
Tgt Ion: 56 Resp: 8349
Ion Ratio Lower Upper
56 100
69 180.1 27.8 41.8#
84 177.1 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 53.707 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 65 Resp: 274081
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.8

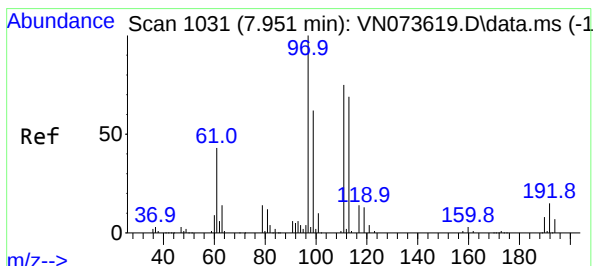
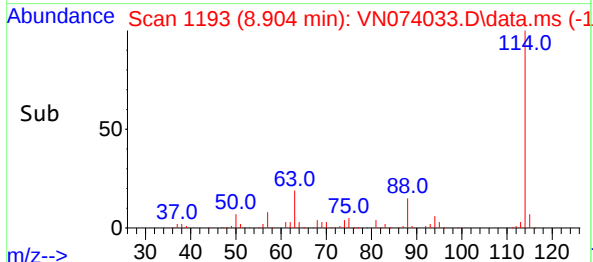
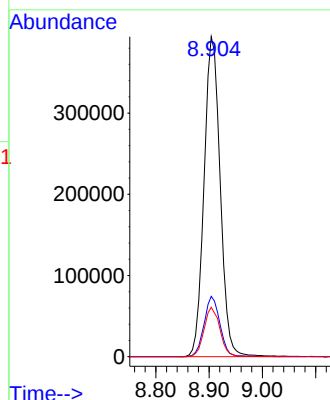
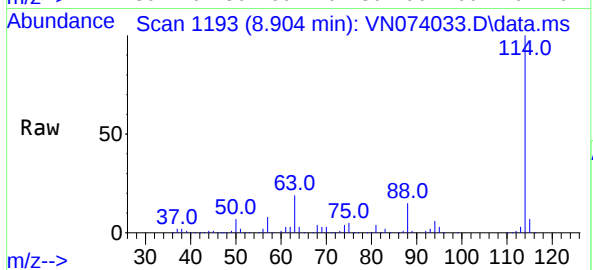




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

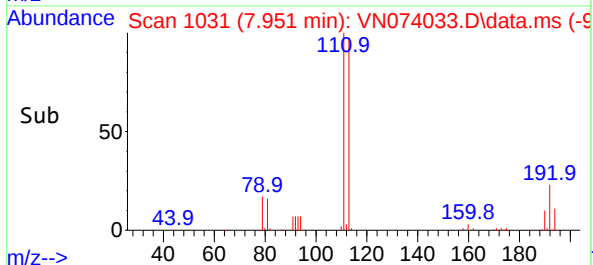
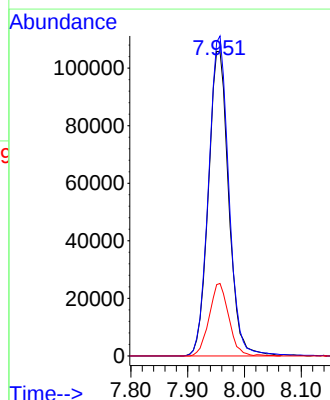
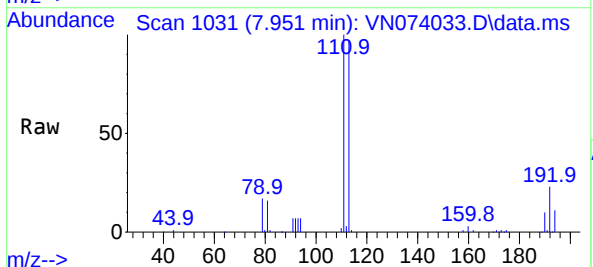
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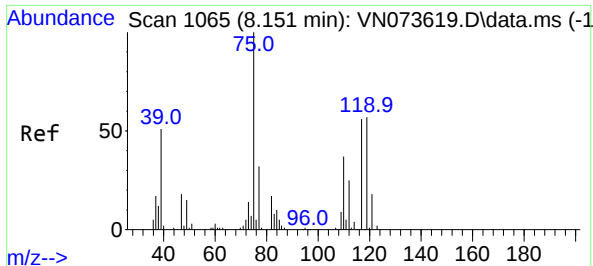
Tgt Ion:114 Resp: 830296
Ion Ratio Lower Upper
114 100
63 18.8 0.0 40.0
88 15.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 53.447 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Tgt Ion:113 Resp: 262442
Ion Ratio Lower Upper
113 100
111 104.5 81.4 122.0
192 22.8 17.0 25.6

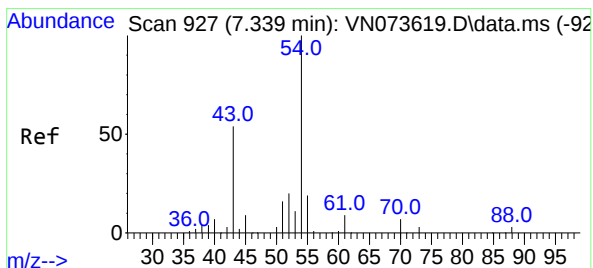
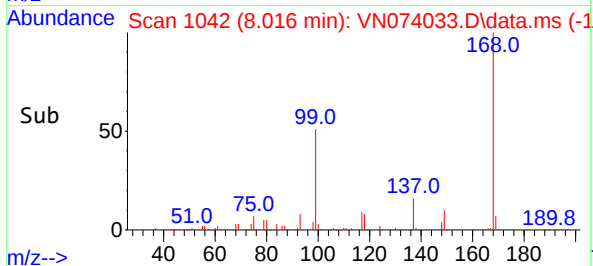
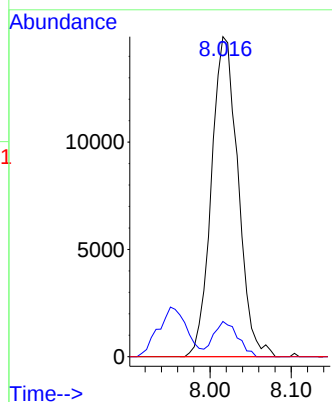
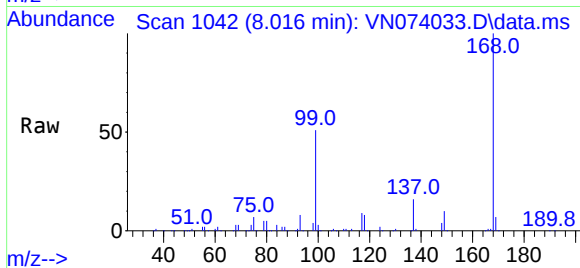




#36
1,1-Dichloropropene
Concen: 4.985 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

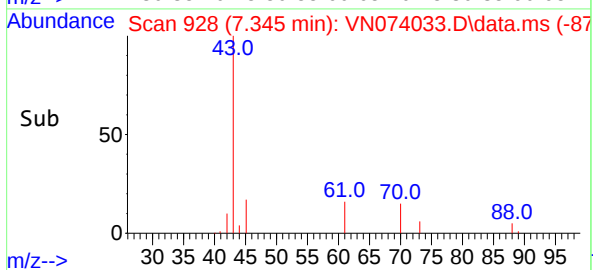
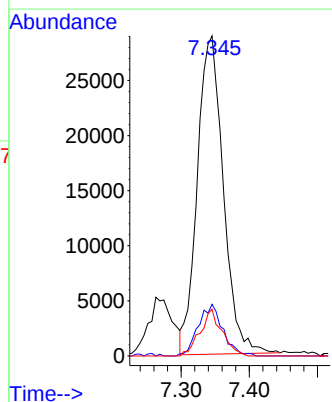
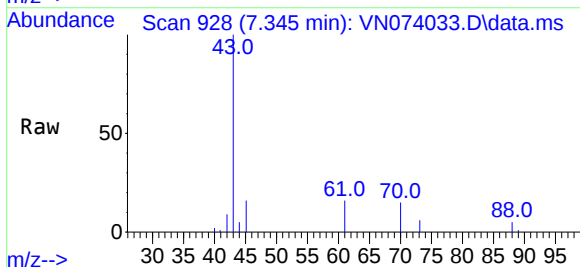
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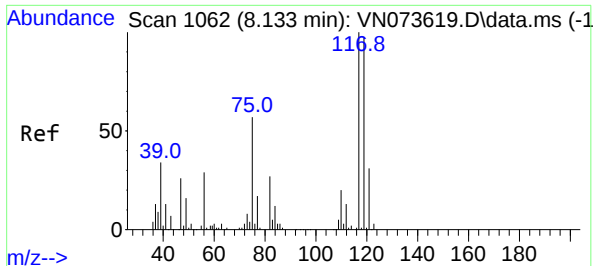
Tgt Ion: 75 Resp: 33996
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 9.265 ug/l
RT: 7.345 min Scan# 928
Delta R.T. 0.006 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

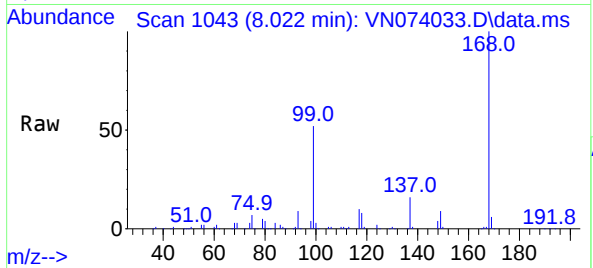
Tgt Ion: 43 Resp: 76550
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 12.4 9.3 13.9



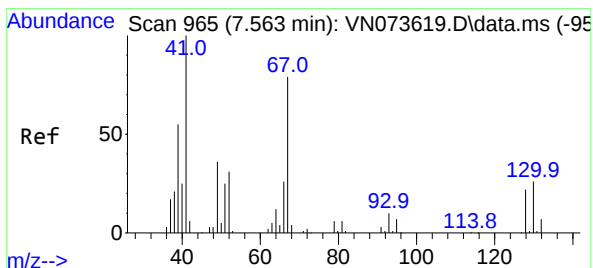
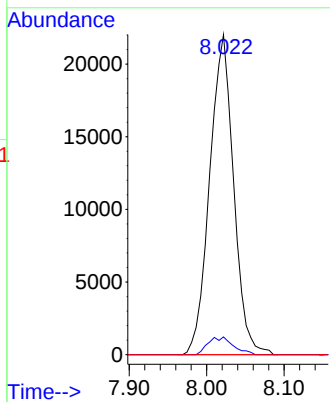
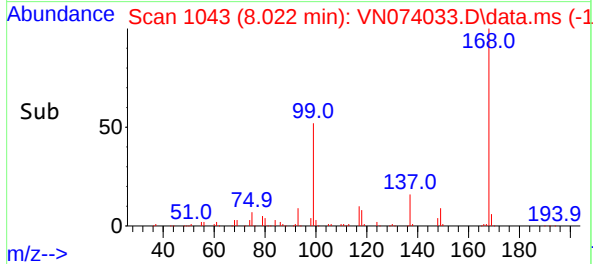


#38
Carbon Tetrachloride
Concen: 6.071 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#04

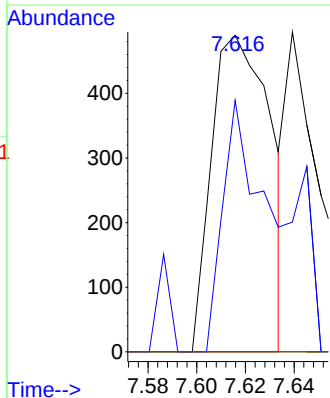
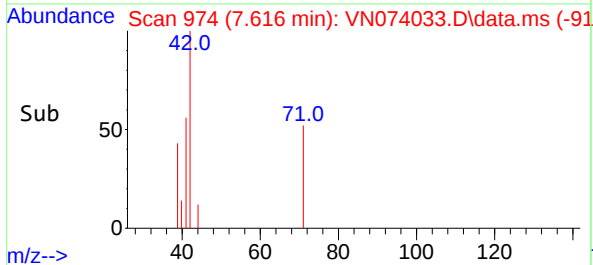
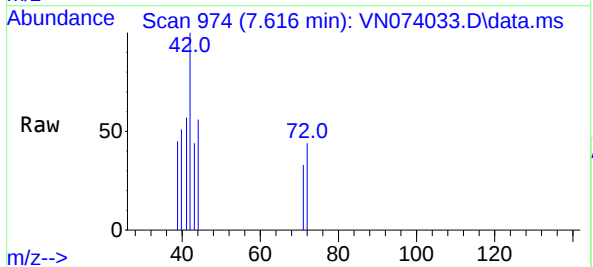


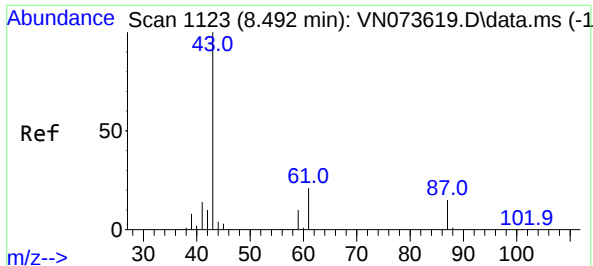
Tgt Ion:117 Resp: 47329
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.221 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.053 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 41 Resp: 826
Ion Ratio Lower Upper
41 100
39 75.5 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

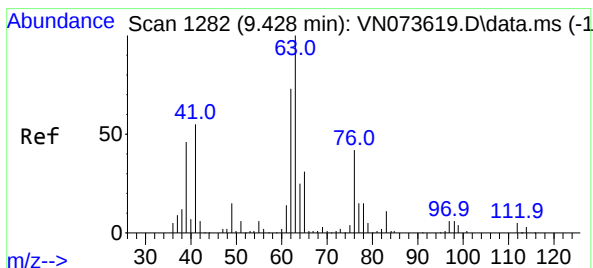
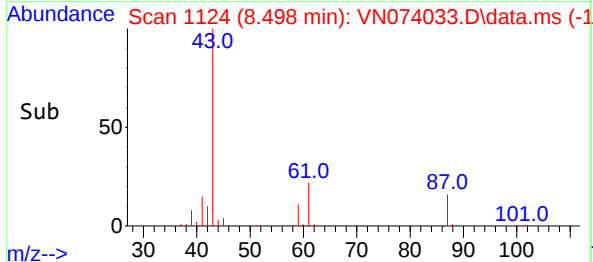
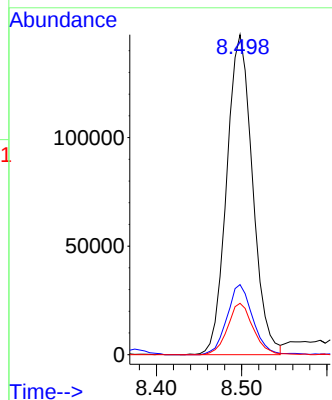
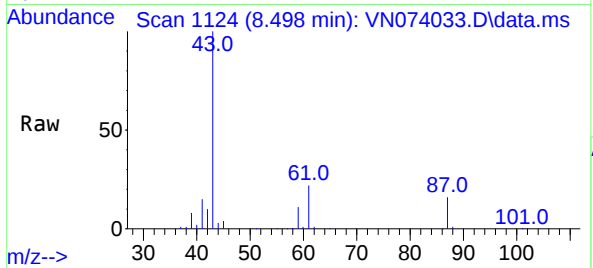




#43
Isopropyl Acetate
Concen: 26.415 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

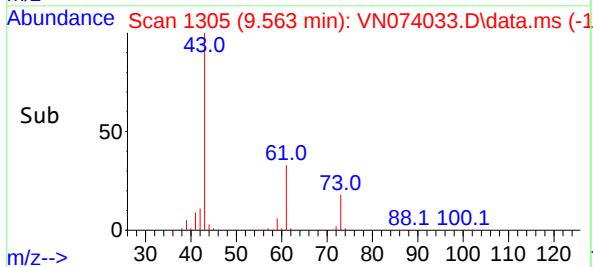
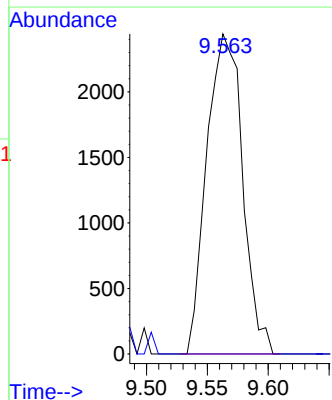
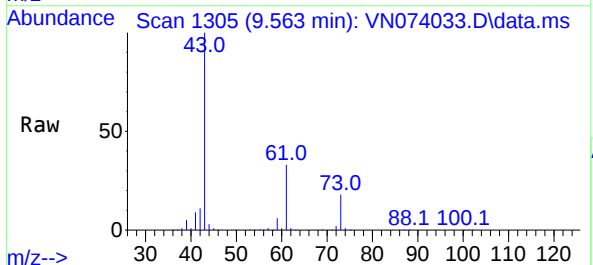
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#04

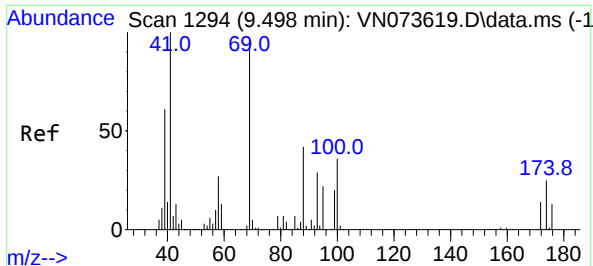
Tgt Ion: 43 Resp: 310927
Ion Ratio Lower Upper
43 100
61 21.9 21.9 32.9#
87 15.9 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.970 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.135 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 63 Resp: 5006
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

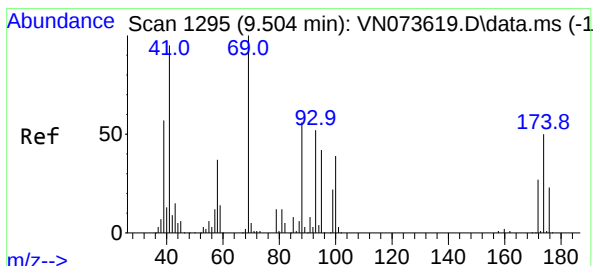
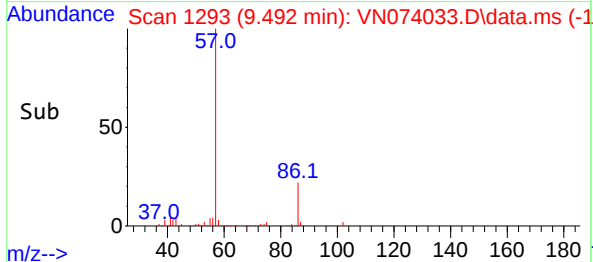
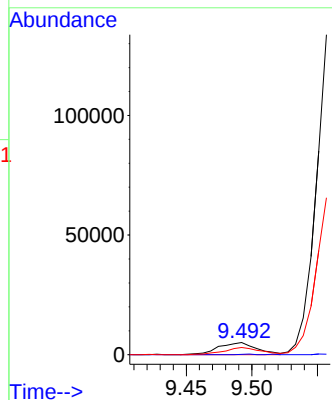
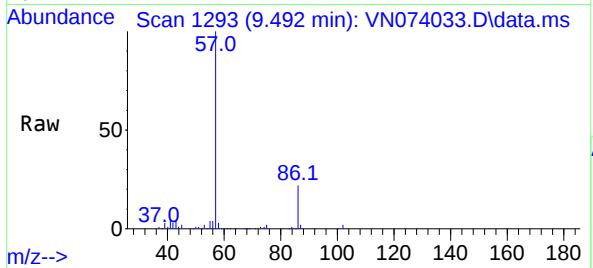




#48
Methyl methacrylate
Concen: 2.047 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

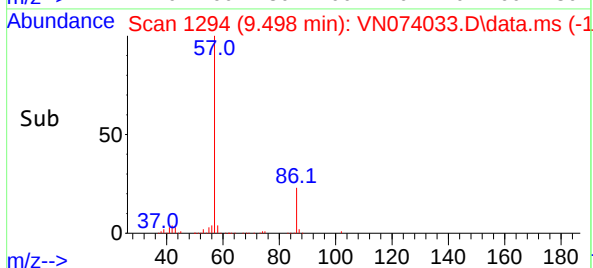
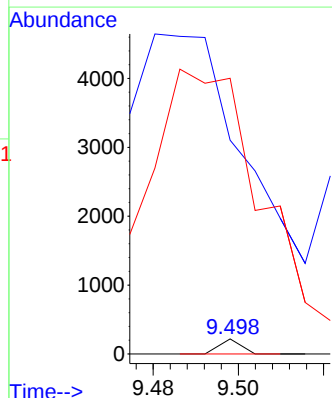
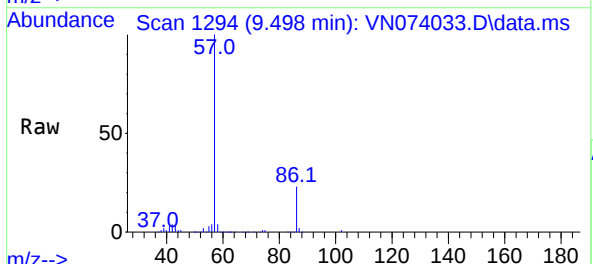
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#04

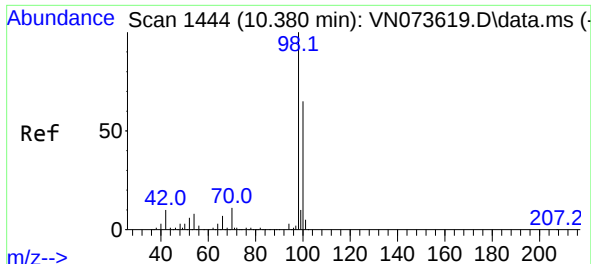
Tgt Ion: 41 Resp: 10312
Ion Ratio Lower Upper
41 100
69 1.5 74.7 112.1#
39 56.2 45.6 68.4



#49
1,4-Dioxane
Concen: 0.514 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 88 Resp: 77
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 11220.8 54.2 81.4#

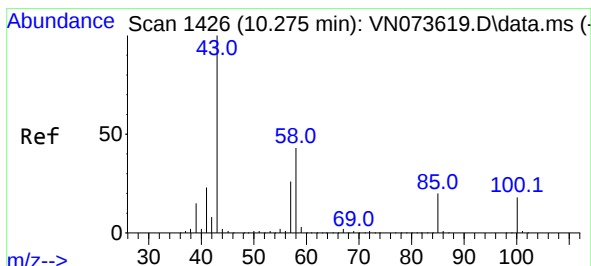
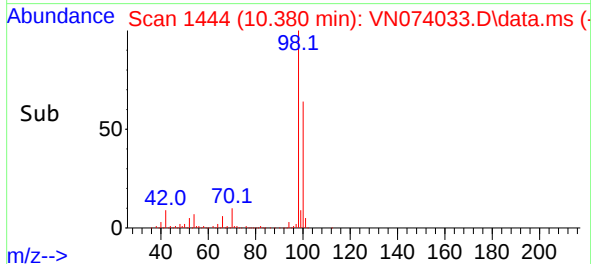
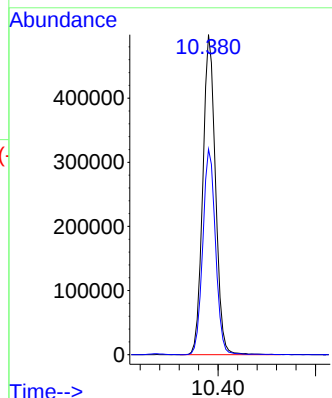
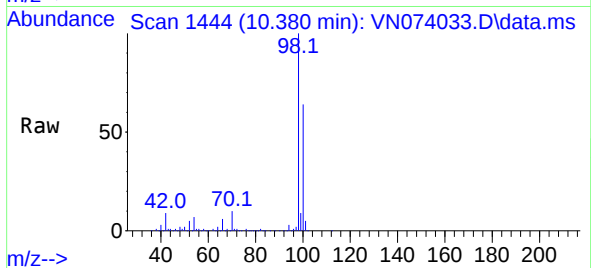




#50
Toluene-d8
Concen: 47.381 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

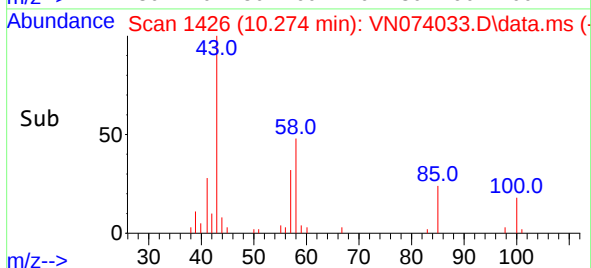
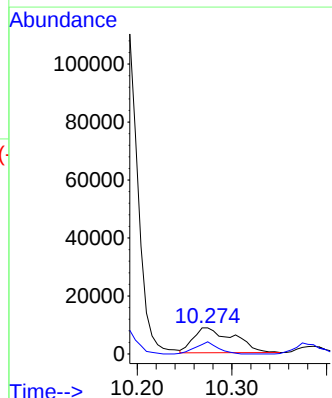
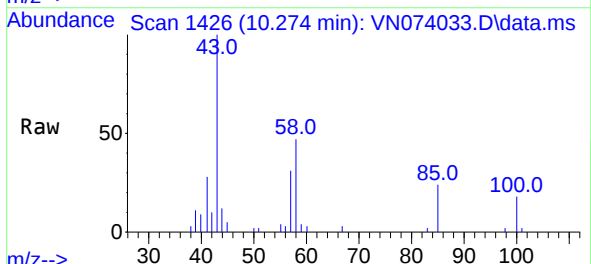
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#04

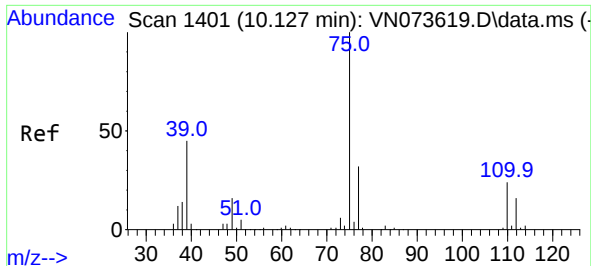
Tgt Ion: 98 Resp: 901045
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.205 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 43 Resp: 25506
Ion Ratio Lower Upper
43 100
58 26.7 34.1 51.1#

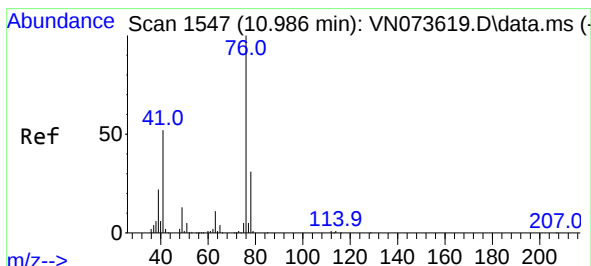
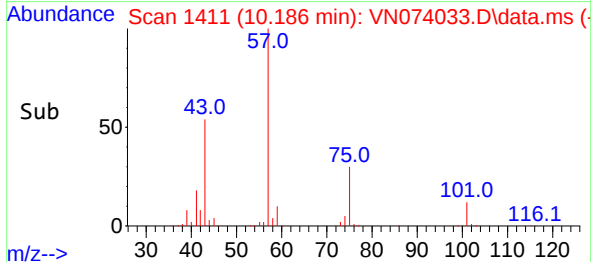
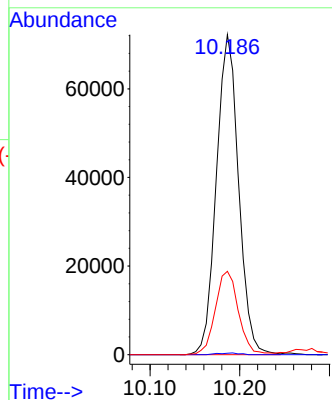
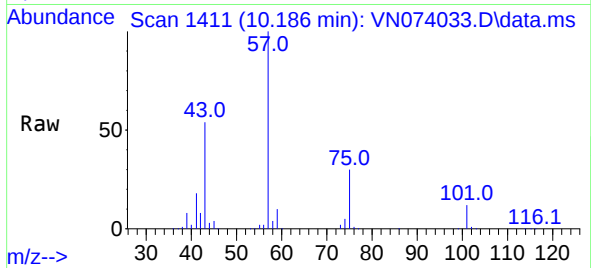




#54
 cis-1,3-Dichloropropene
 Concen: 14.395 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN074033.D
 Acq: 19 Aug 2022 17:52

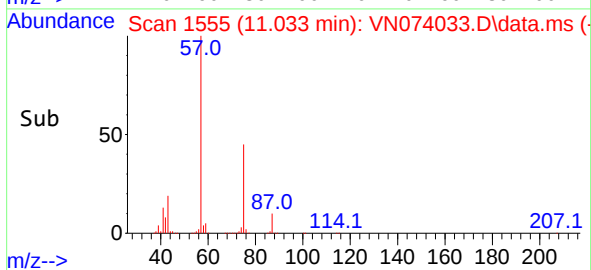
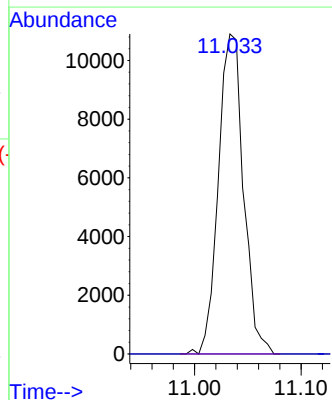
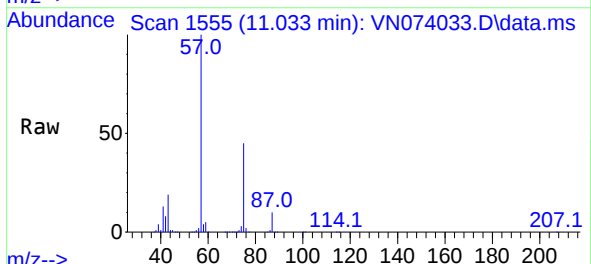
Instrument :
 MSVOA_N
 ClientSampleId :
 PB147119ZHE#04

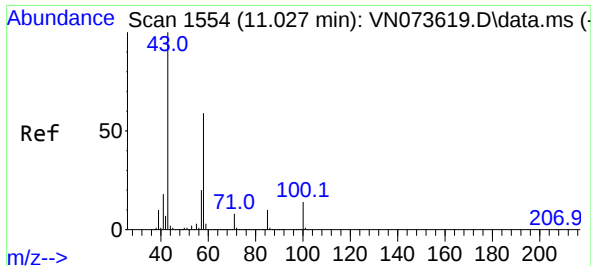
Tgt Ion: 75 Resp: 123915
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 26.0 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.911 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN074033.D
 Acq: 19 Aug 2022 17:52

Tgt Ion: 76 Resp: 17838
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

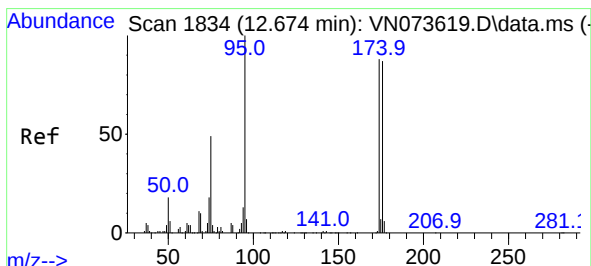
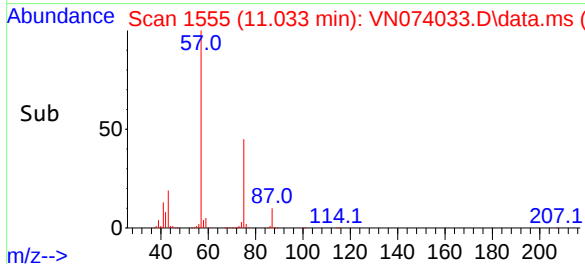
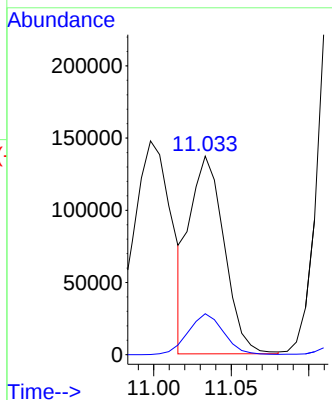
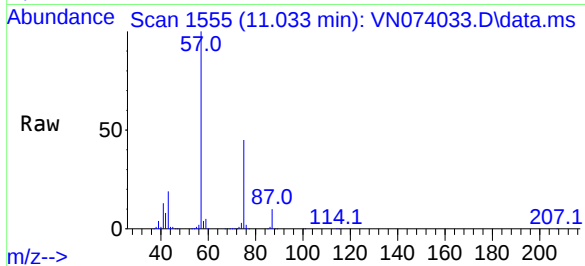




#59
2-Hexanone
Concen: 34.685 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

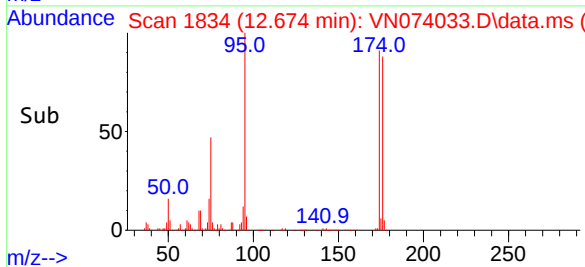
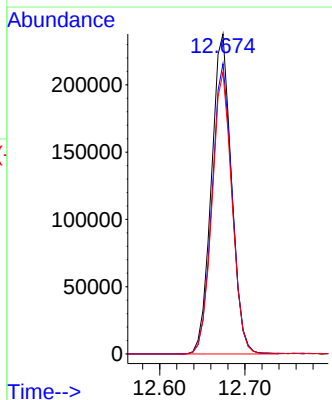
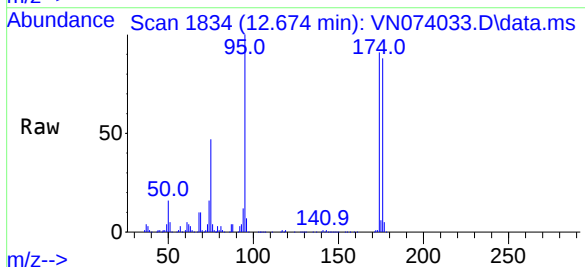
Instrument :
MSVOA_N
ClientSampleId :
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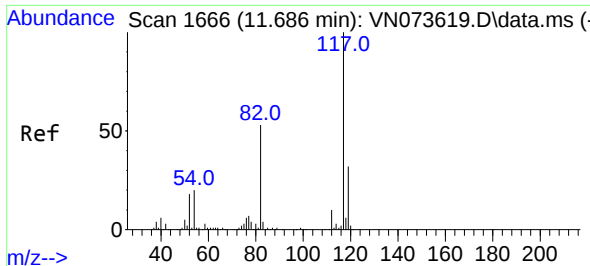
Tgt Ion: 43 Resp: 212439
Ion Ratio Lower Upper
43 100
58 21.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 61.651 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 95 Resp: 389106
Ion Ratio Lower Upper
95 100
174 91.0 0.0 167.6
176 87.8 0.0 163.4

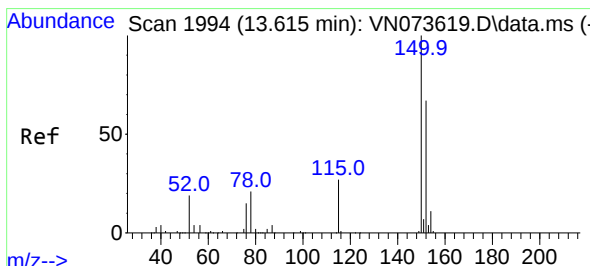
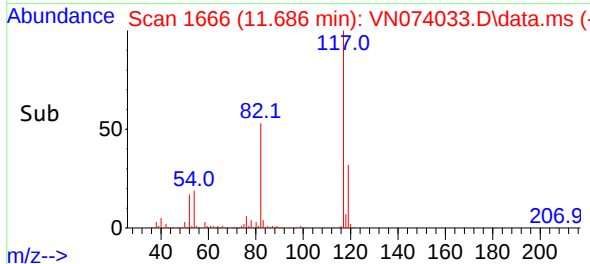
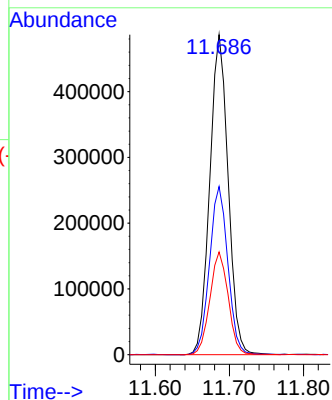
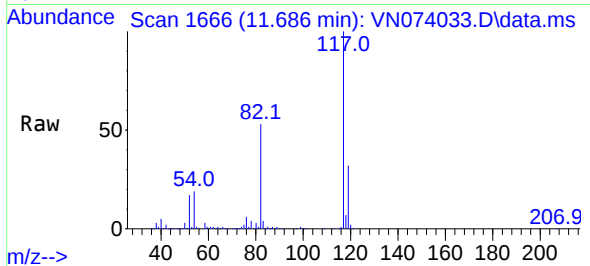




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

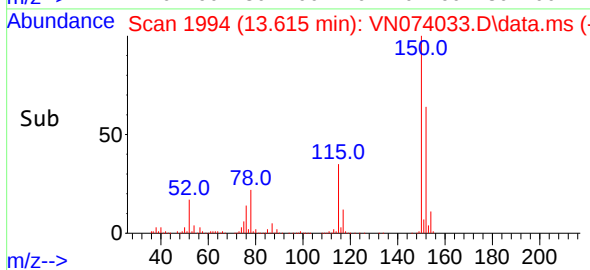
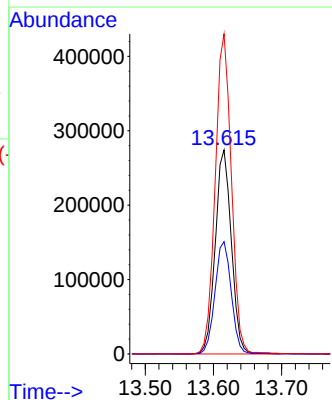
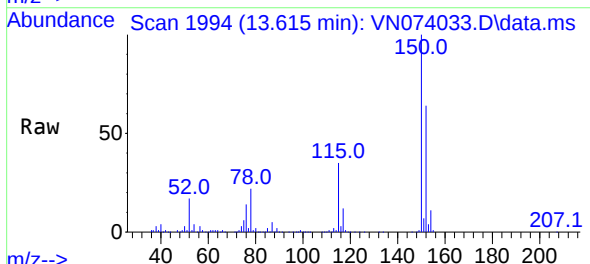
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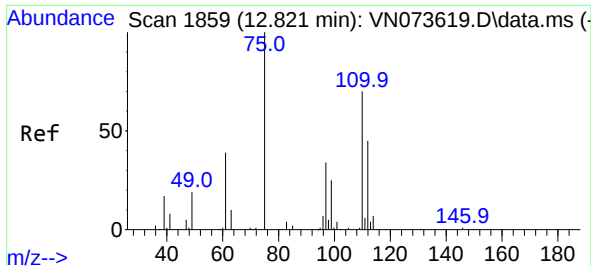
Tgt Ion:117 Resp: 836149
Ion Ratio Lower Upper
117 100
82 52.5 44.2 66.2
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Tgt Ion:152 Resp: 452004
Ion Ratio Lower Upper
152 100
115 55.7 28.9 86.7
150 157.2 0.0 356.2

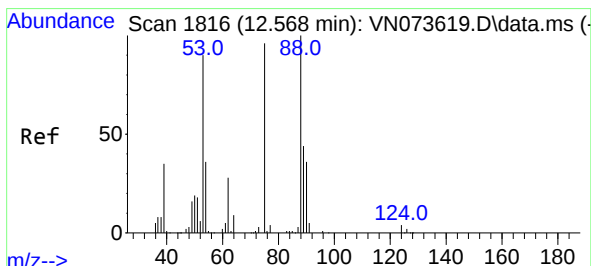
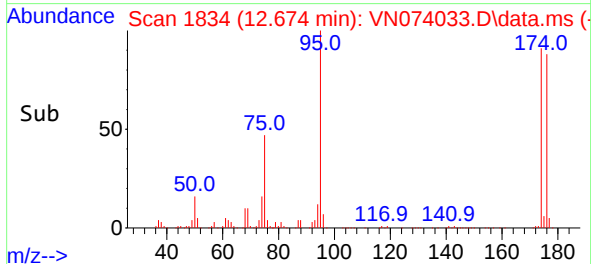
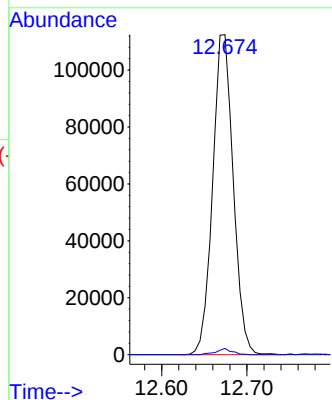
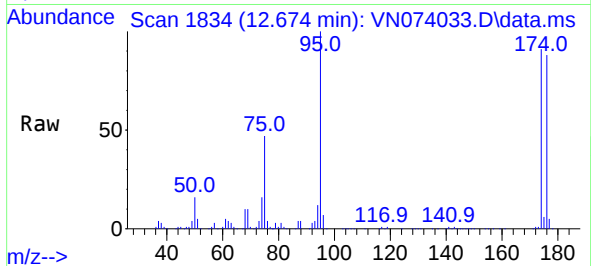




#76
1,2,3-Trichloropropane
Concen: 20.149 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#04

Tgt Ion: 75 Resp: 189295
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.307 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074033.D
Acq: 19 Aug 2022 17:52

Tgt Ion: 75 Resp: 189295
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

