

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074190.D
 Acq On : 31 Aug 2022 01:47
 Operator : JC\MD
 Sample : PB147340ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#09

Quant Time: Aug 31 07:06:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

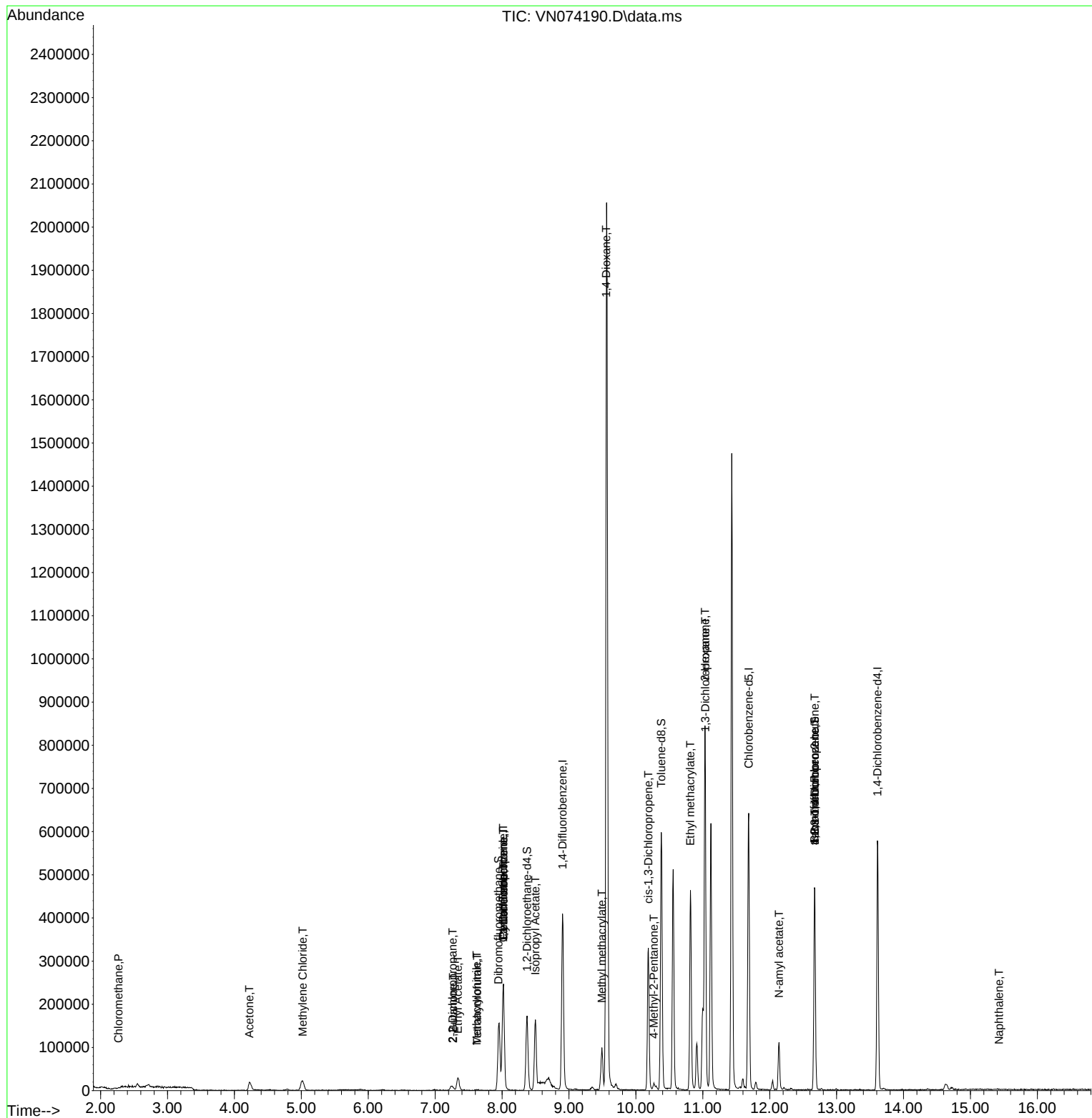
Internal Standards						
1) Pentafluorobenzene	8.022	168	173760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	333174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	344852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	142931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	132907	49.308	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.620%		
35) Dibromofluoromethane	7.945	113	114455	52.792	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.580%		
50) Toluene-d8	10.380	98	384077	44.985	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.960%		
62) 4-Bromofluorobenzene	12.674	95	145073	55.874	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.740%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	580	0.229	ug/l #	43
6) Chloroethane	2.963	64	600	Below Cal	#	79
11) Tert butyl alcohol	5.310	59	736	Below Cal	#	72
16) Acetone	4.222	43	35247	19.569	ug/l	89
18) Methyl Acetate	4.793	43	5527	Below Cal	#	63
20) Methylene Chloride	5.022	84	16695	4.922	ug/l	93
25) 2-Butanone	7.269	43	8691	3.016	ug/l	90
26) 2,2-Dichloropropane	7.263	77	313	0.374	ug/l #	53
28) Bromochloromethane	7.592	49	70	Below Cal	#	8
29) Tetrahydrofuran	7.628	42	1315	0.717	ug/l #	48
31) Cyclohexane	8.022	56	5368	1.205	ug/l #	57
36) 1,1-Dichloropropene	8.016	75	17696	5.031	ug/l #	47
37) Ethyl Acetate	7.339	43	49473	8.410	ug/l #	93
38) Carbon Tetrachloride	8.016	117	17945	5.619	ug/l #	16
41) Methacrylonitrile	7.622	41	722	0.266	ug/l #	32
43) Isopropyl Acetate	8.498	43	197746	25.004	ug/l #	82
48) Methyl methacrylate	9.492	41	6926	1.844	ug/l #	10
49) 1,4-Dioxane	9.557	88	131	1.616	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	9286	1.618	ug/l	96
54) cis-1,3-Dichloropropene	10.186	75	50938	12.295	ug/l #	73
56) Ethyl methacrylate	10.816	69	2655	0.622	ug/l #	1
57) 1,3-Dichloropropane	11.039	76	7215	1.474	ug/l #	42
59) 2-Hexanone	11.033	43	126368	29.012	ug/l #	46
71) Bromoform	12.668	173	1237	0.529	ug/l #	1
74) N-amyl acetate	12.139	43	35964	5.193	ug/l #	49
76) 1,2,3-Trichloropropane	12.674	75	84999	23.836	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	84999	61.727	ug/l #	10
95) Naphthalene	15.427	128	63	1.157	ug/l #	69

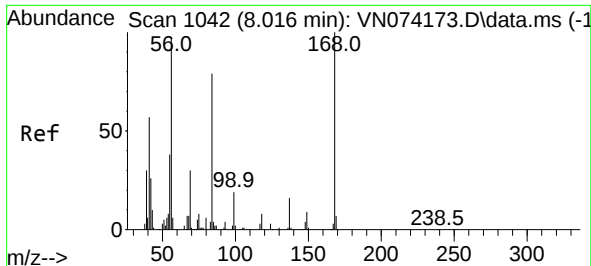
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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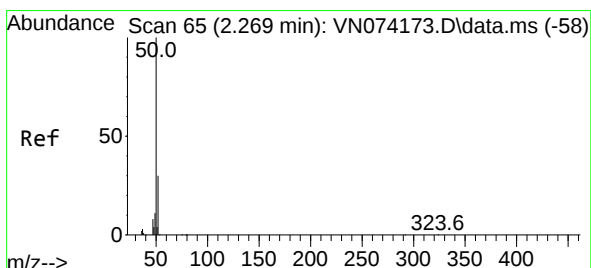
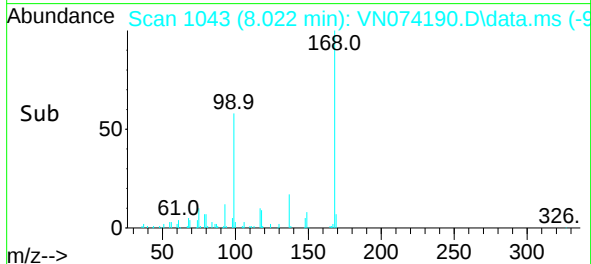
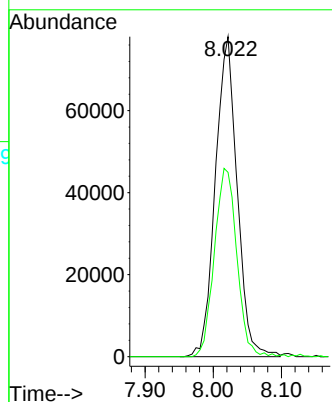
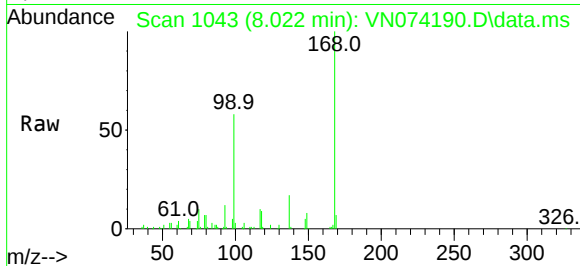




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

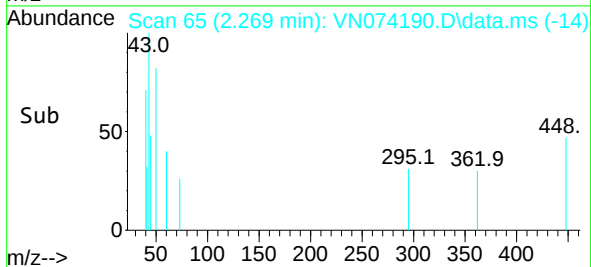
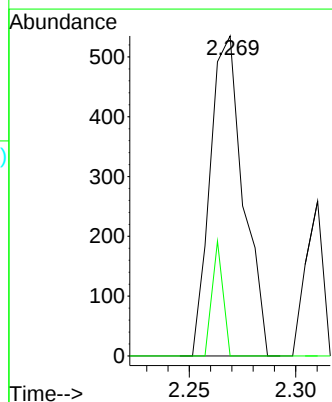
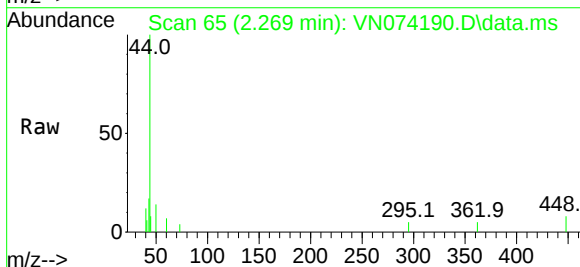
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#09

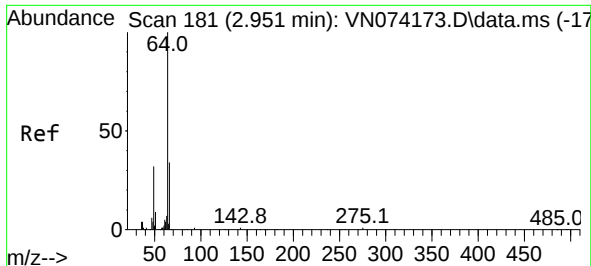
Tgt Ion:168 Resp: 173760
Ion Ratio Lower Upper
168 100
99 57.6 42.3 63.5



#3
Chloromethane
Concen: 0.229 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Tgt Ion: 50 Resp: 580
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

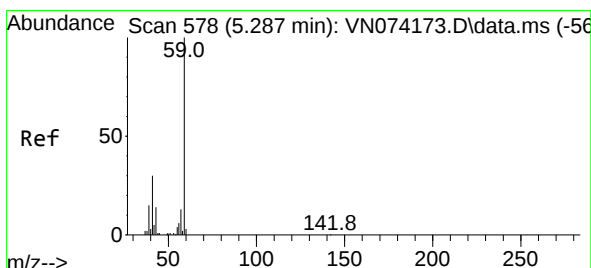
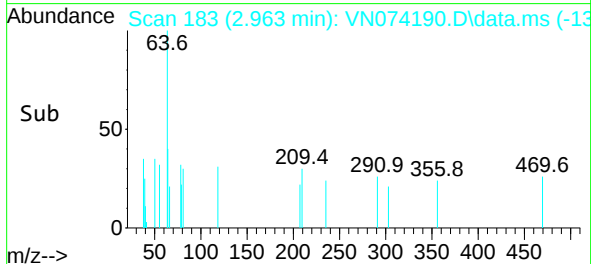
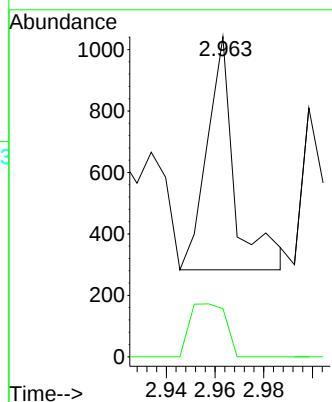
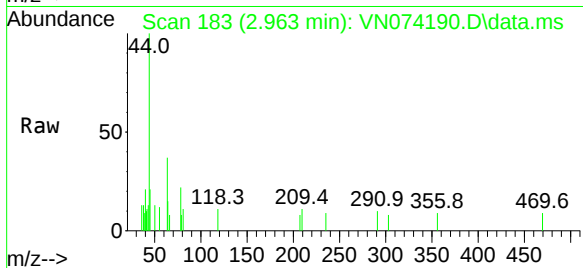




#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

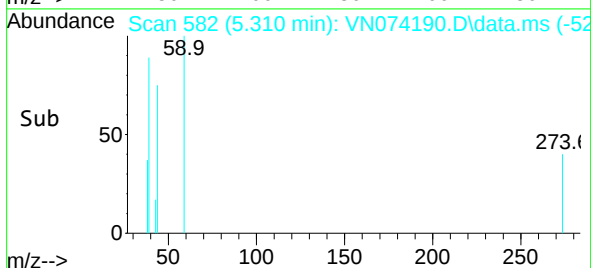
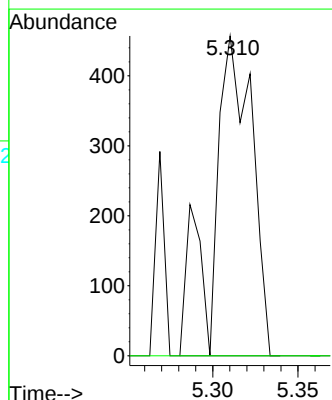
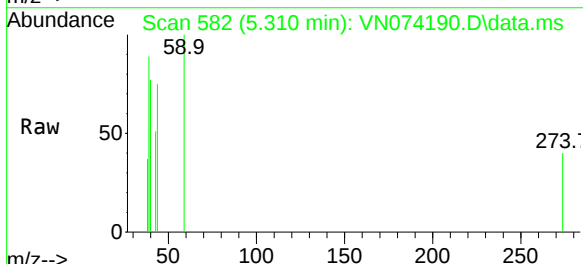
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#09

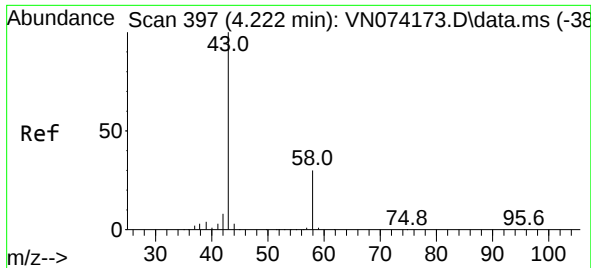
Tgt Ion: 64 Resp: 600
Ion Ratio Lower Upper
64 100
66 20.7 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.310 min Scan# 582
Delta R.T. 0.023 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Tgt Ion: 59 Resp: 736
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

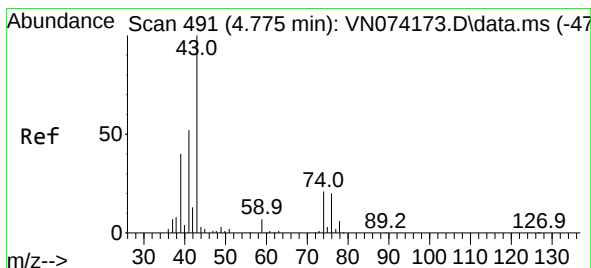
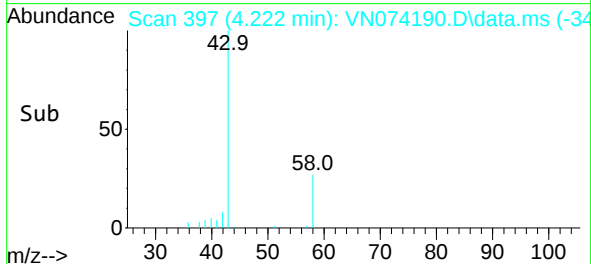
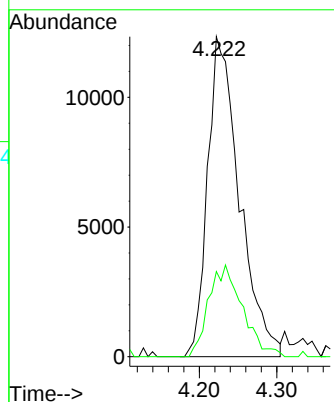
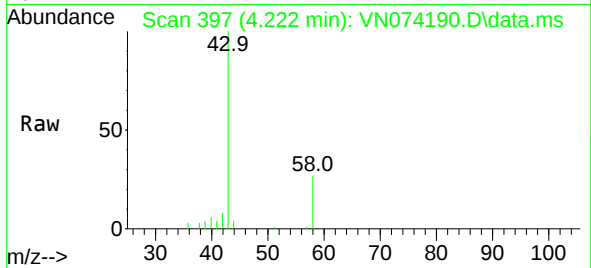




#16
Acetone
Concen: 19.569 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

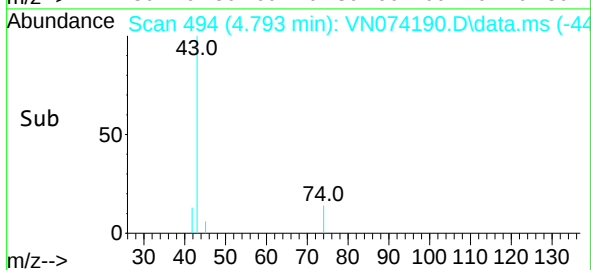
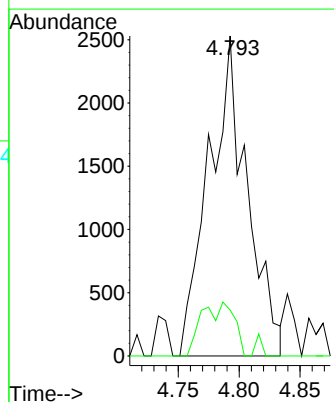
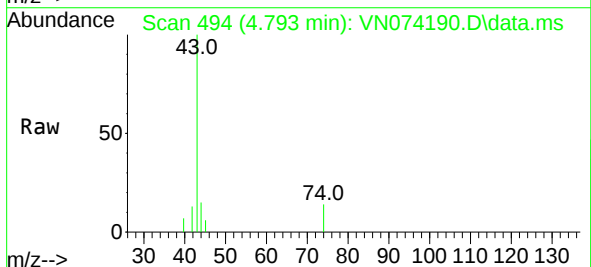
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#09

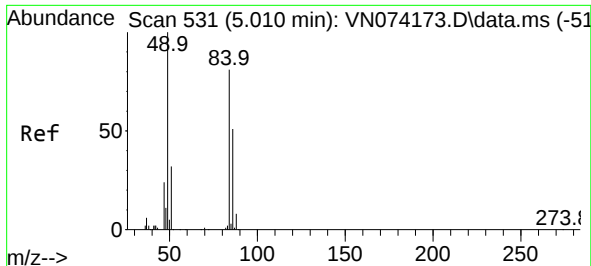
Tgt Ion: 43 Resp: 35247
Ion Ratio Lower Upper
43 100
58 26.6 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.793 min Scan# 494
Delta R.T. 0.018 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

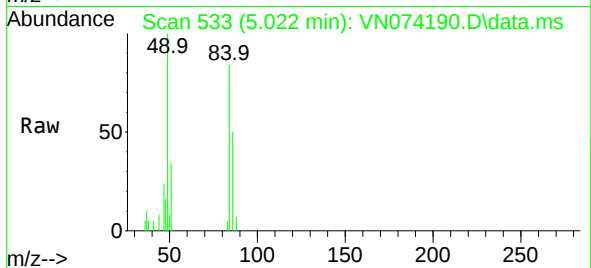
Tgt Ion: 43 Resp: 5527
Ion Ratio Lower Upper
43 100
74 7.6 21.6 32.4#



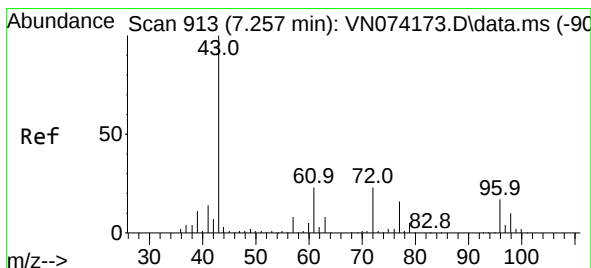
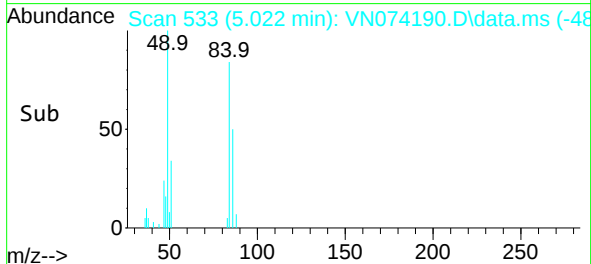
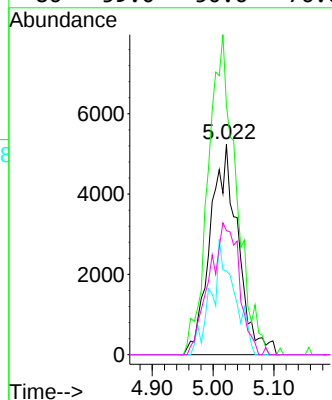


#20
Methylene Chloride
Concen: 4.922 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#09

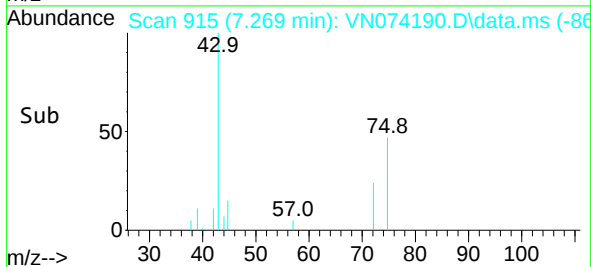
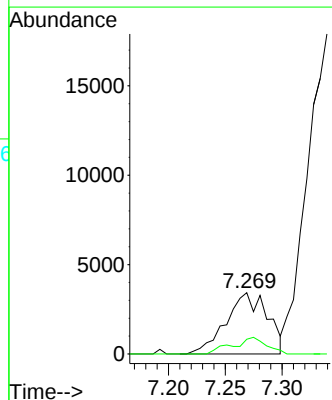
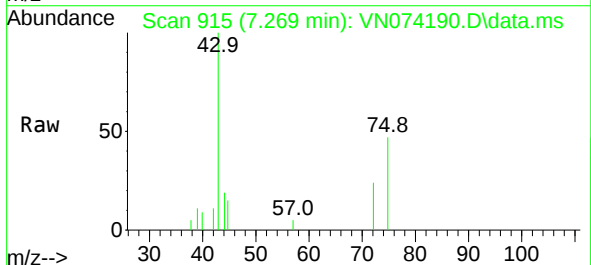


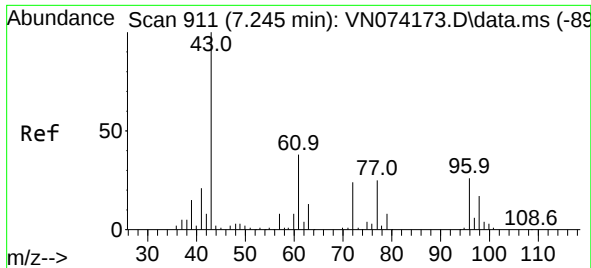
Tgt Ion: 84 Resp: 16695
Ion Ratio Lower Upper
84 100
49 118.5 88.3 132.5
51 39.8 28.2 42.2
86 59.0 50.6 76.0



#25
2-Butanone
Concen: 3.016 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Tgt Ion: 43 Resp: 8691
Ion Ratio Lower Upper
43 100
72 24.0 23.7 35.5

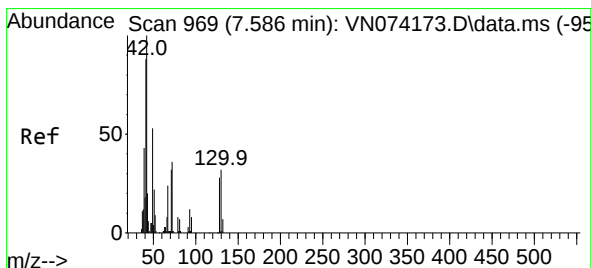
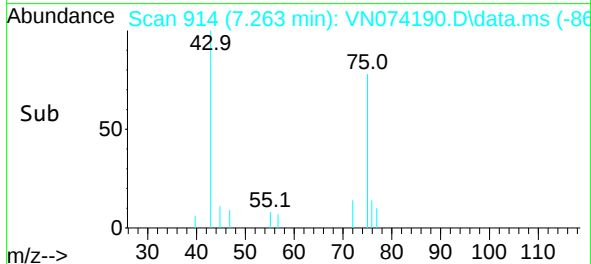
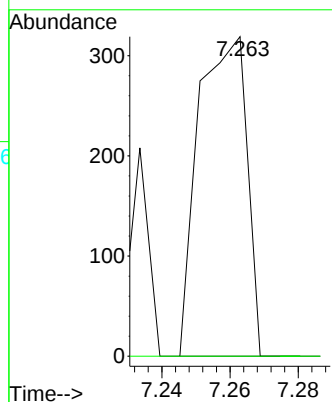
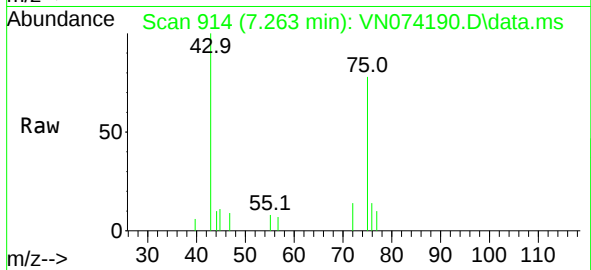




#26
2,2-Dichloropropane
Concen: 0.374 ug/l
RT: 7.263 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

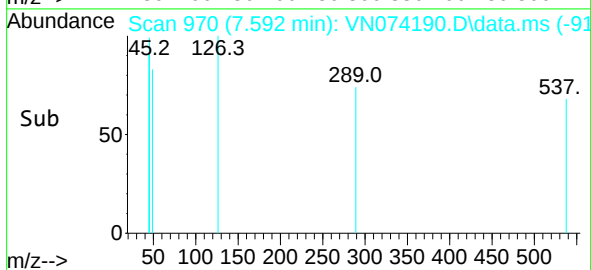
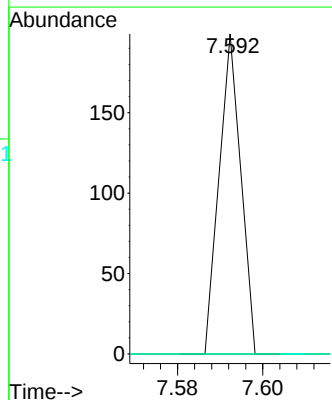
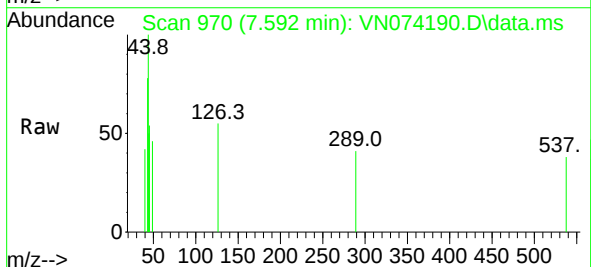
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#09

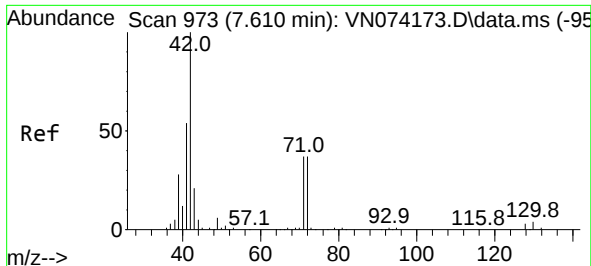
Tgt Ion: 77 Resp: 313
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.592 min Scan# 970
Delta R.T. 0.006 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Tgt Ion: 49 Resp: 70
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#





#29

Tetrahydrofuran

Concen: 0.717 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN074190.D

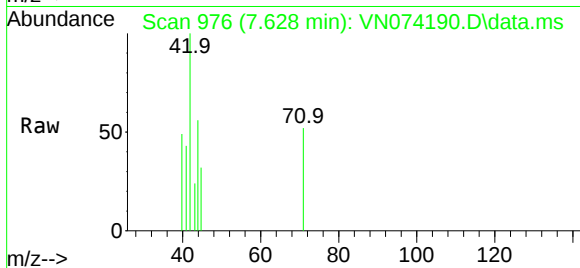
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Instrument :

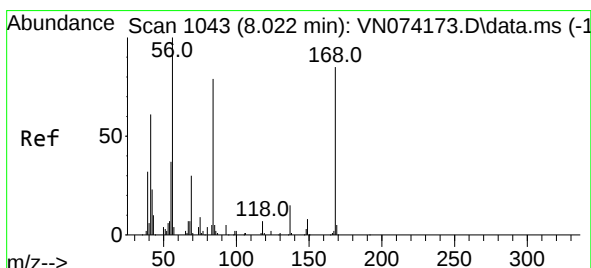
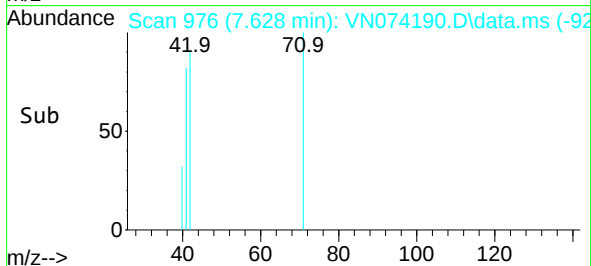
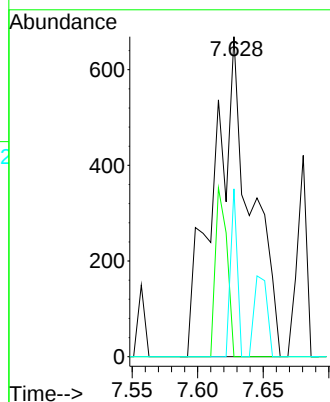
MSVOA_N

ClientSampleId :

PB147340ZHE#09



Tgt Ion:	42	Resp:	1315
Ion Ratio	100	Lower	Upper
72	16.4	39.7	59.5#
71	9.4	36.6	55.0#



#31

Cyclohexane

Concen: 1.205 ug/l

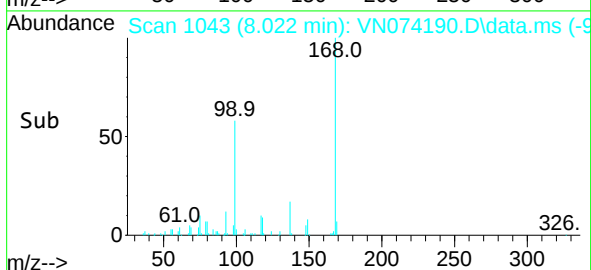
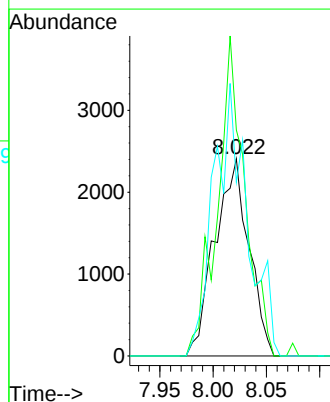
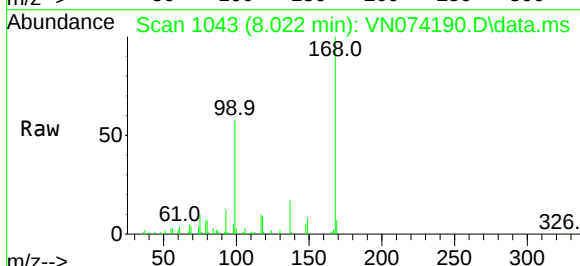
RT: 8.022 min Scan# 1043

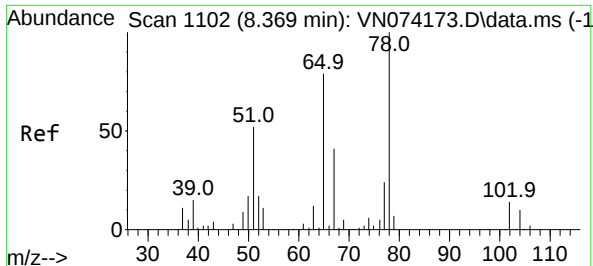
Delta R.T. -0.000 min

Lab File: VN074190.D

Acq: 31 Aug 2022 01:47

Tgt Ion:	56	Resp:	5368
Ion Ratio	100	Lower	Upper
69	114.6	27.8	41.8#
84	88.2	76.9	115.3





#33

1,2-Dichloroethane-d4

Concen: 49.308 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN074190.D

Acq: 31 Aug 2022 01:47

Instrument :

MSVOA_N

ClientSampleId :

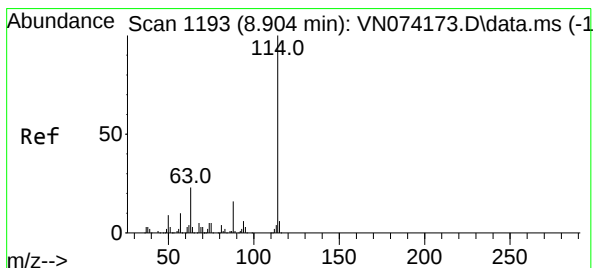
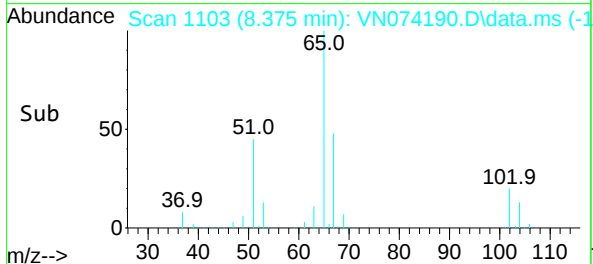
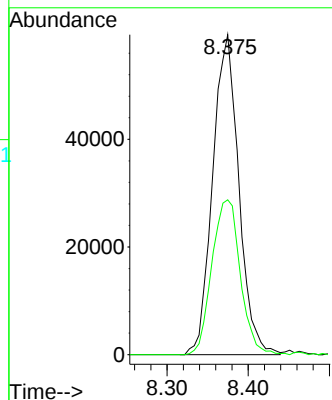
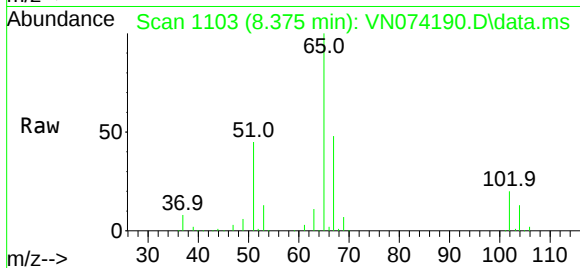
PB147340ZHE#09

Tgt Ion: 65 Resp: 132907

Ion Ratio Lower Upper

65 100

67 52.6 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: VN074190.D

Acq: 31 Aug 2022 01:47

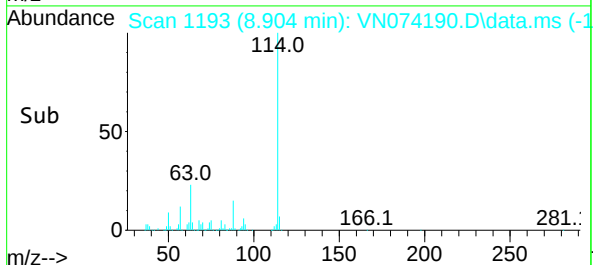
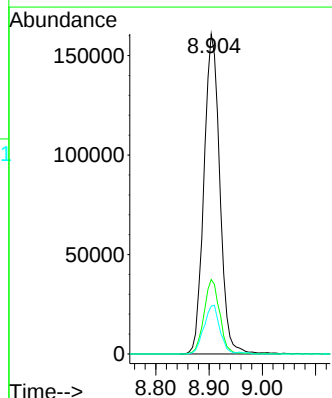
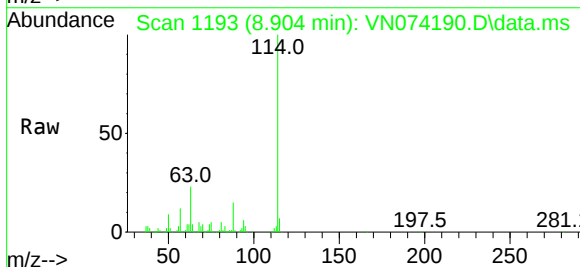
Tgt Ion: 114 Resp: 333174

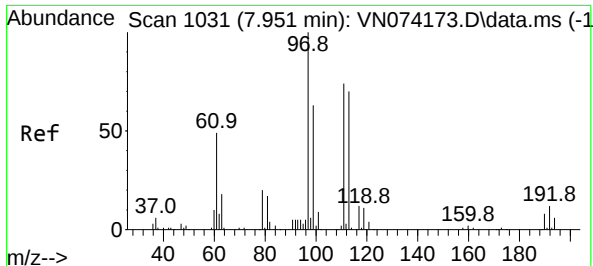
Ion Ratio Lower Upper

114 100

63 23.2 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.792 ug/l

RT: 7.945 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074190.D

Acq: 31 Aug 2022 01:47

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#09

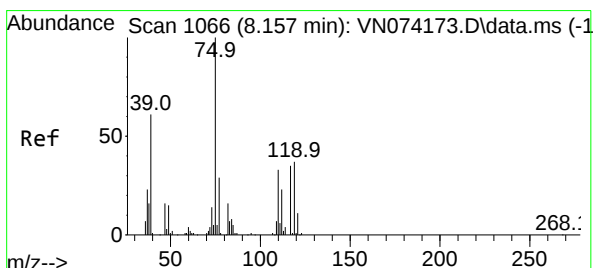
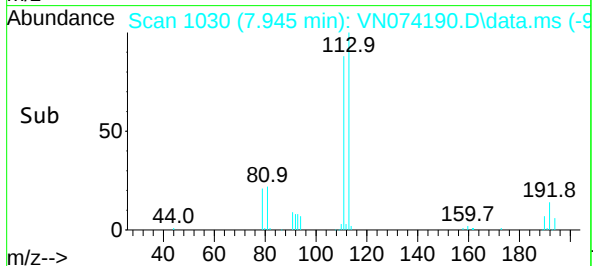
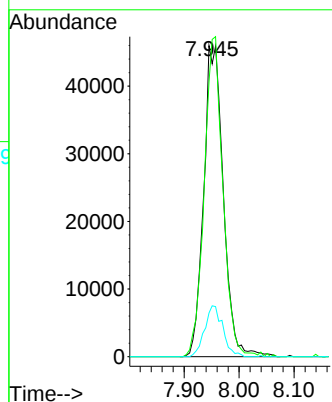
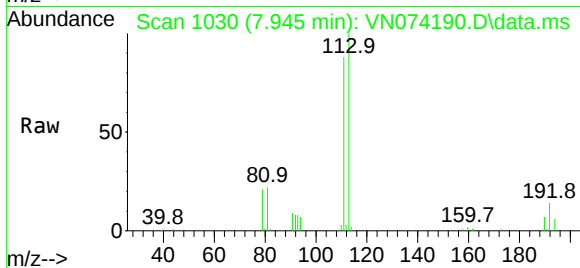
Tgt Ion:113 Resp: 114455

Ion Ratio Lower Upper

113 100

111 97.6 81.4 122.0

192 15.1 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 5.031 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074190.D

Acq: 31 Aug 2022 01:47

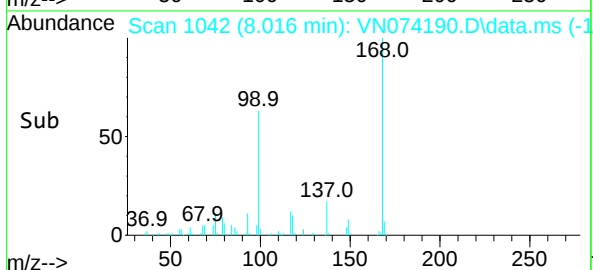
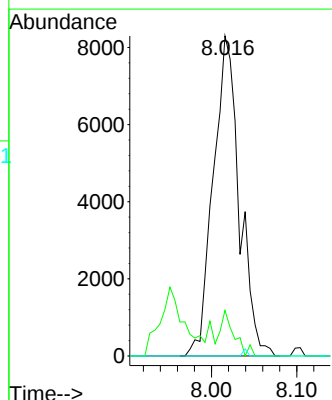
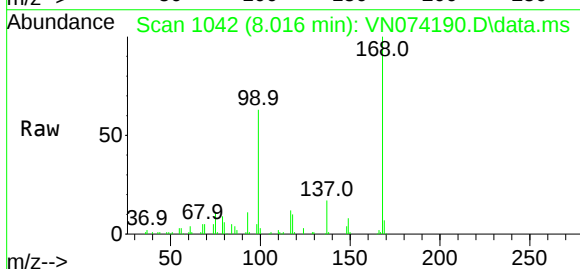
Tgt Ion: 75 Resp: 17696

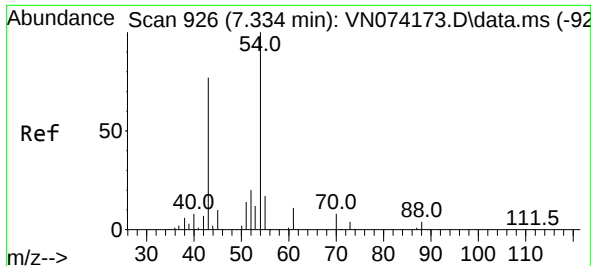
Ion Ratio Lower Upper

75 100

110 7.5 18.3 54.8#

77 0.0 25.1 37.7#

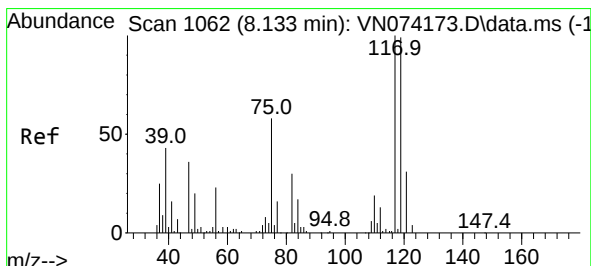
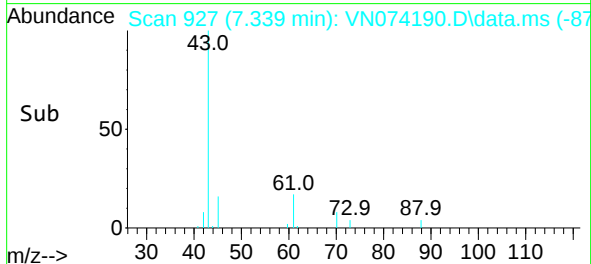
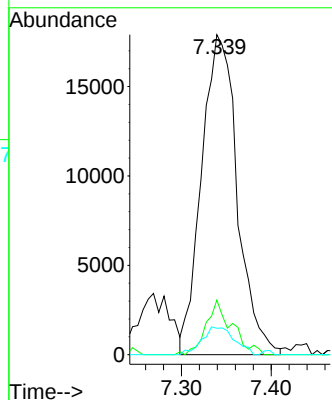
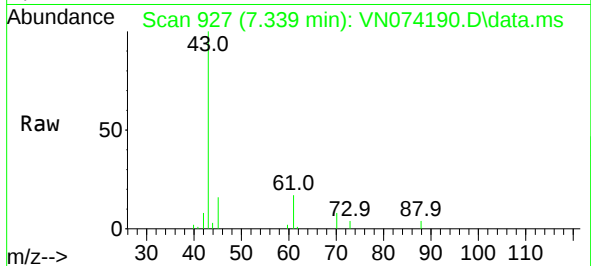




#37
Ethyl Acetate
Concen: 8.410 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

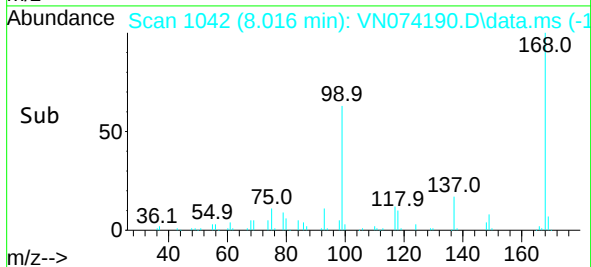
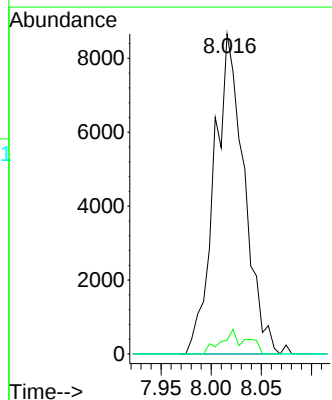
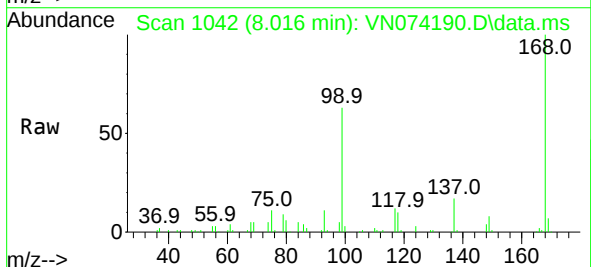
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#09

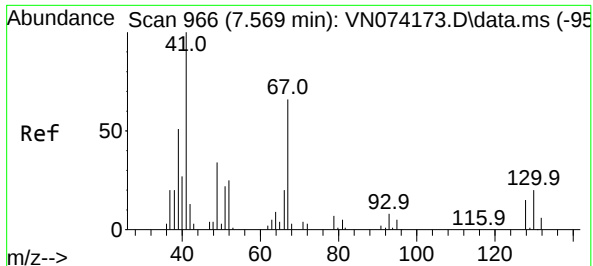
Tgt Ion: 43 Resp: 49473
Ion Ratio Lower Upper
43 100
61 12.4 11.8 17.6
70 7.8 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.619 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Tgt Ion: 117 Resp: 17945
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.8#
121 0.0 24.6 37.0#

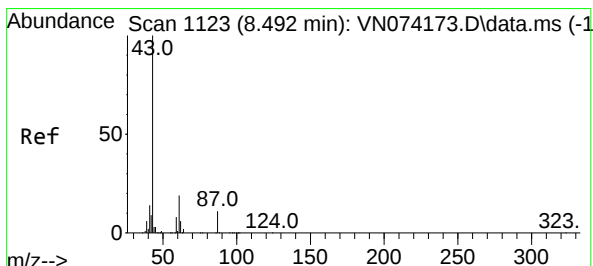
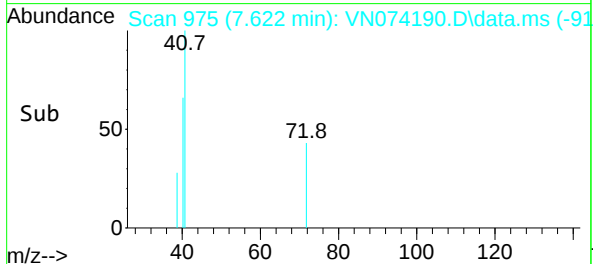
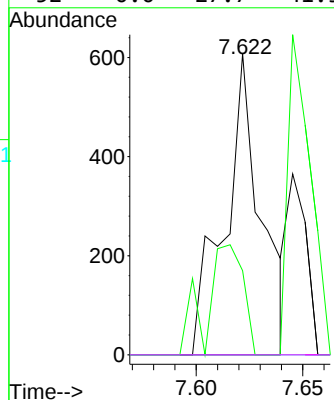
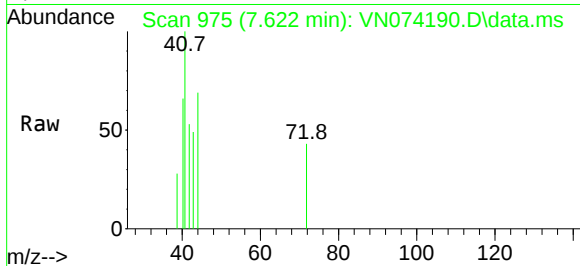




#41
Methacrylonitrile
Concen: 0.266 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.053 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

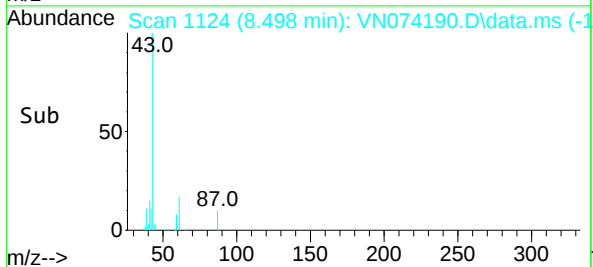
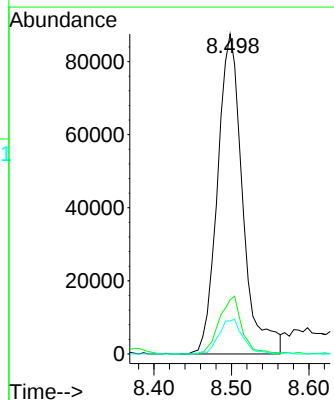
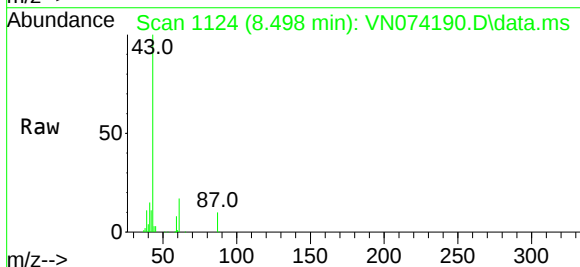
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#09

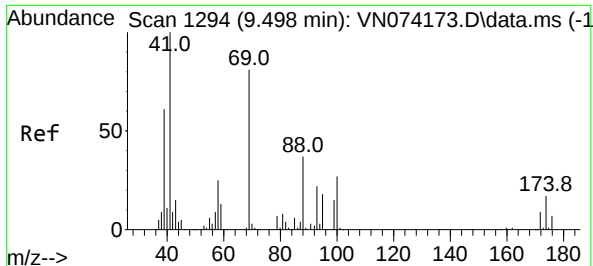
Tgt Ion: 41	Resp: 722
Ion Ratio	Lower Upper
41 100	
39 37.1	48.6 73.0#
67 0.0	73.4 110.2#
52 0.0	27.7 41.5#



#43
Isopropyl Acetate
Concen: 25.004 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Tgt Ion: 43	Resp: 197746
Ion Ratio	Lower Upper
43 100	
61 16.4	21.9 32.9#
87 10.3	12.0 18.0#

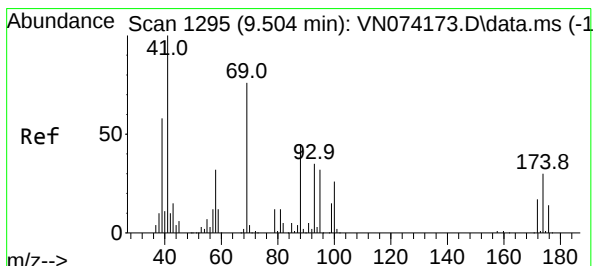
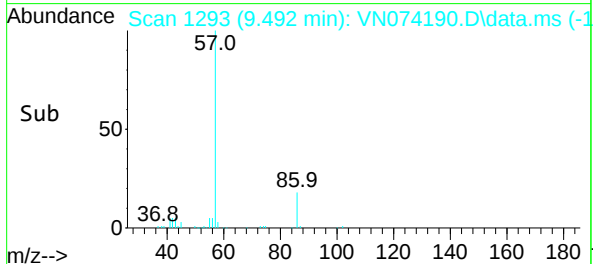
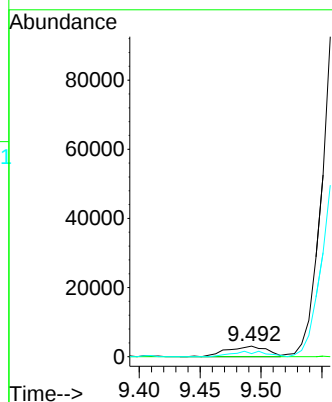
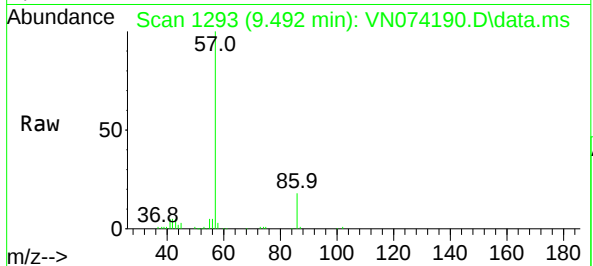




#48
Methyl methacrylate
Concen: 1.844 ug/l
RT: 9.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

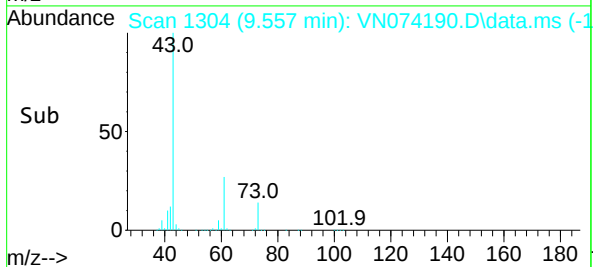
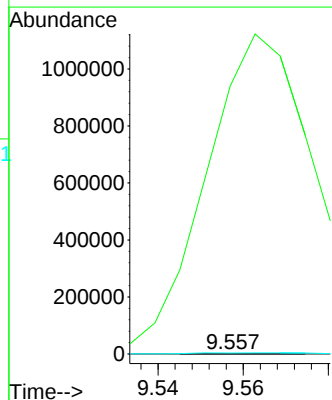
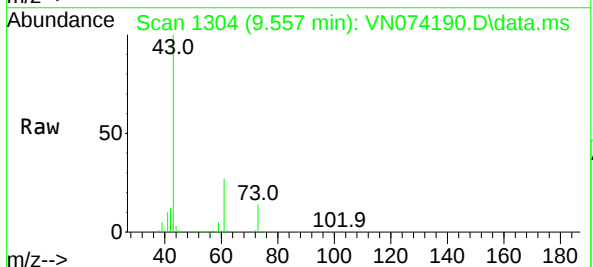
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#09

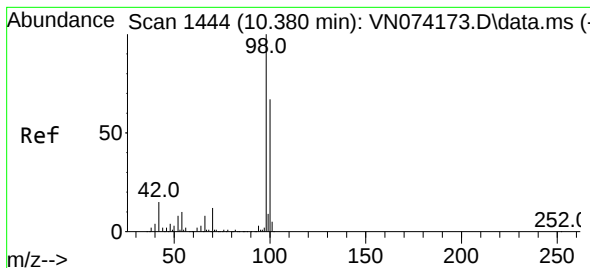
Tgt Ion: 41 Resp: 6926
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 1.616 ug/l
RT: 9.557 min Scan# 1304
Delta R.T. 0.053 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Tgt Ion: 88 Resp: 131
Ion Ratio Lower Upper
88 100
43 1579213.7 20.2 30.4#
58 6689.3 54.2 81.4#

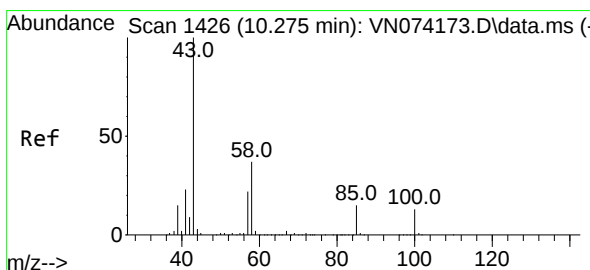
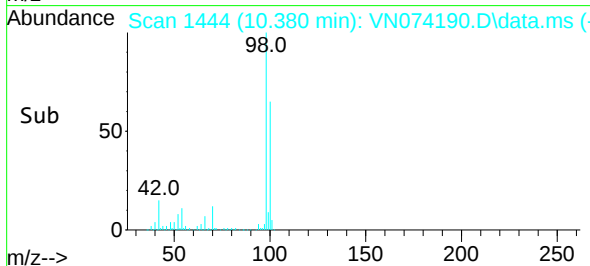
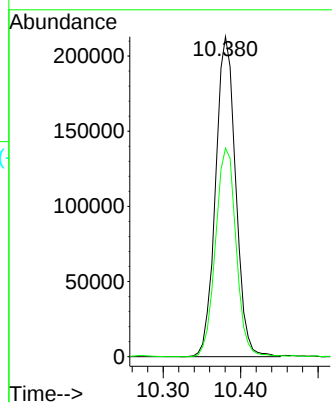
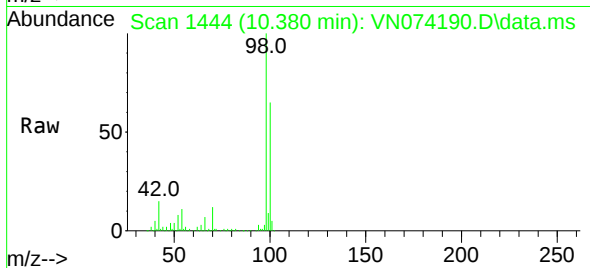




#50
Toluene-d8
Concen: 44.985 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

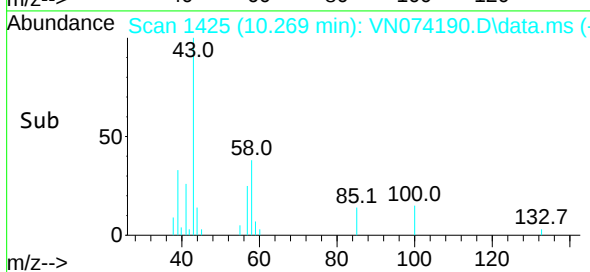
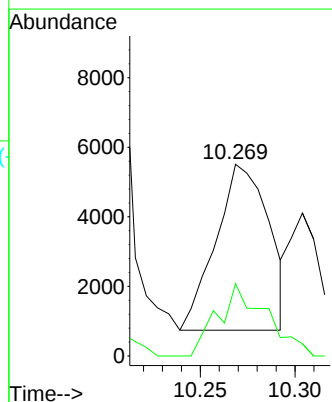
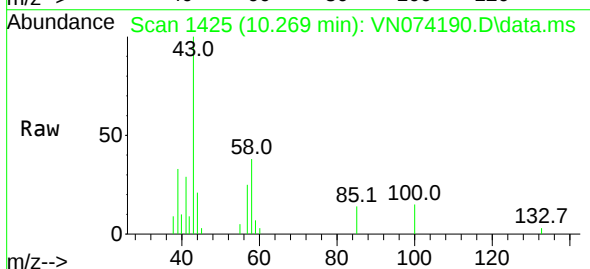
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#09

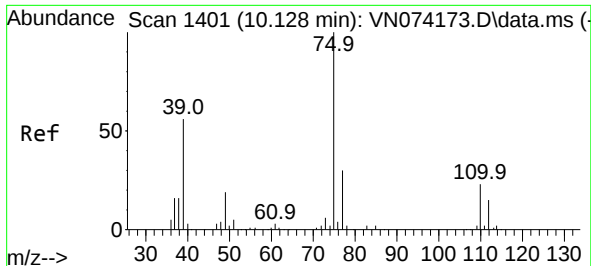
Tgt Ion: 98 Resp: 384077
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.618 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Tgt Ion: 43 Resp: 9286
Ion Ratio Lower Upper
43 100
58 39.9 34.1 51.1

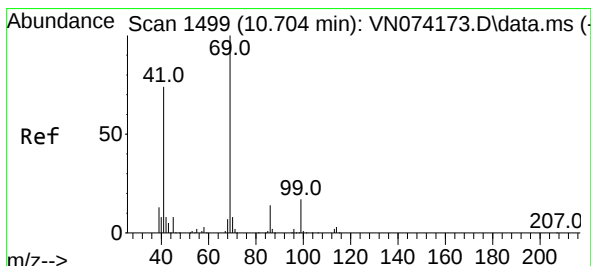
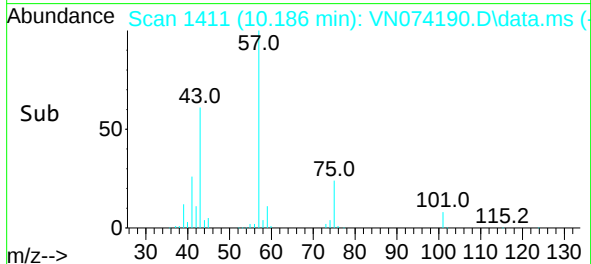
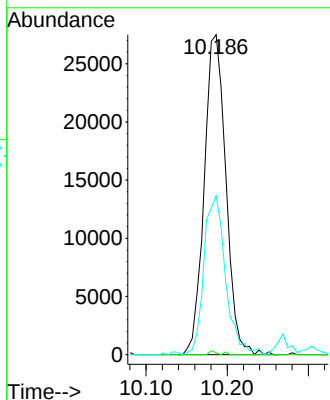
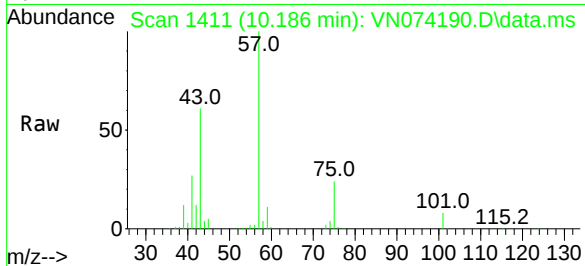




#54
cis-1,3-Dichloropropene
Concen: 12.295 ug/l
RT: 10.186 min Scan# 1401
Delta R.T. 0.059 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

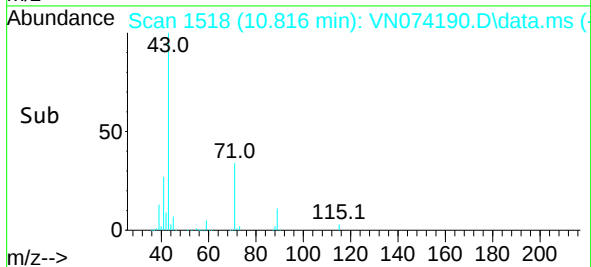
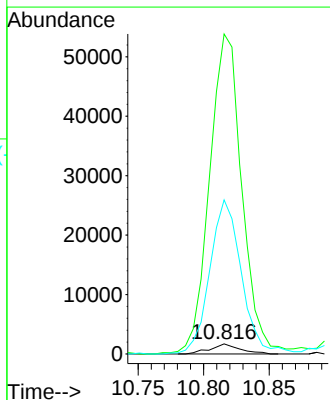
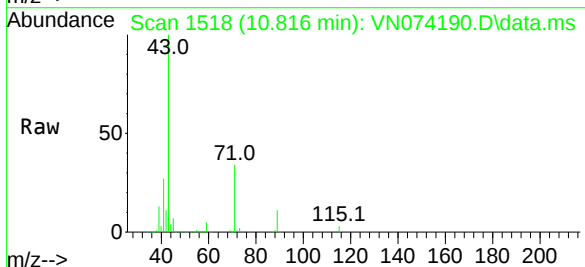
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#09

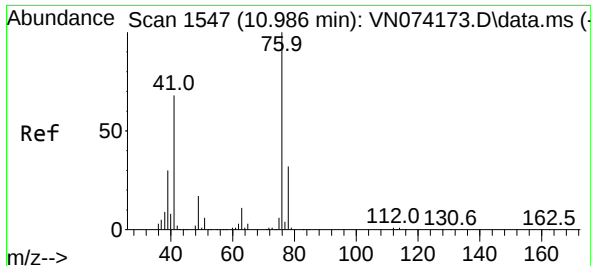
Tgt Ion: 75 Resp: 50938
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 48.9 35.7 53.5



#56
Ethyl methacrylate
Concen: 0.622 ug/l
RT: 10.816 min Scan# 1518
Delta R.T. 0.112 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Tgt Ion: 69 Resp: 2655
Ion Ratio Lower Upper
69 100
41 3489.7 47.8 71.6#
39 1639.5 27.3 40.9#





#57

1,3-Dichloropropane

Concen: 1.474 ug/l

RT: 11.039 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN074190.D

Acq: 31 Aug 2022 01:47

Instrument :

MSVOA_N

ClientSampleId :

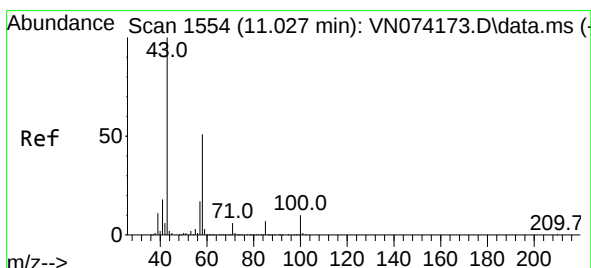
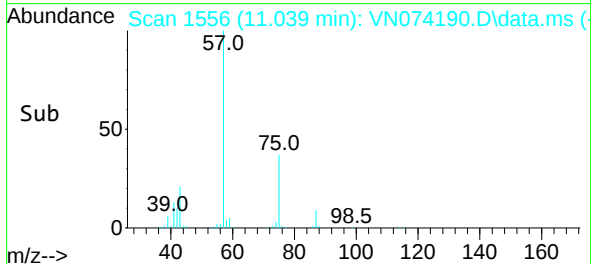
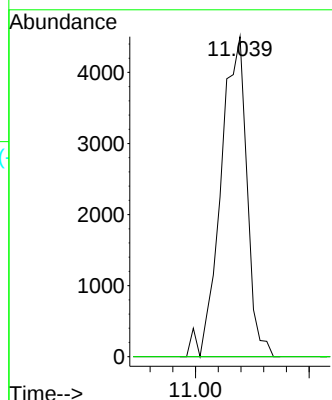
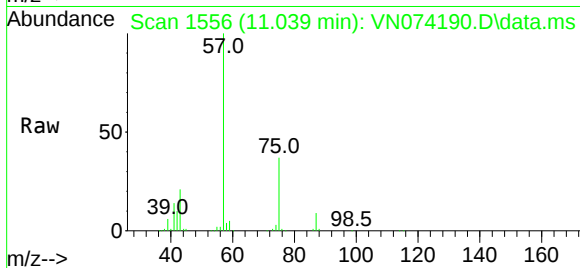
PB147340ZHE#09

Tgt Ion: 76 Resp: 7215

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 29.012 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN074190.D

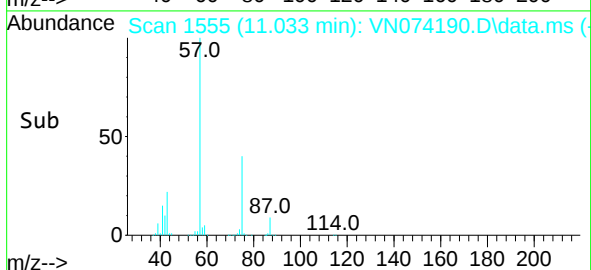
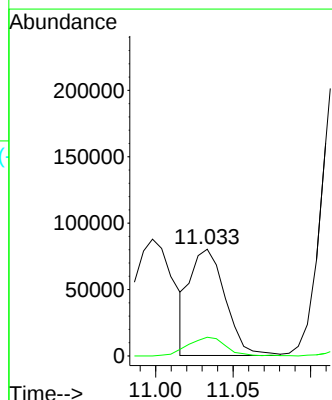
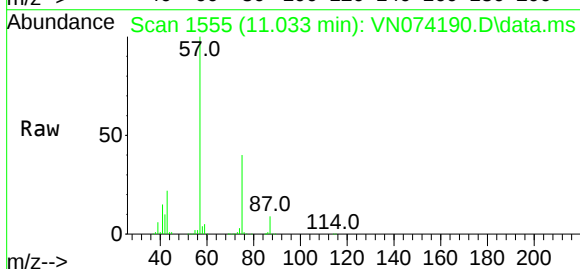
Acq: 31 Aug 2022 01:47

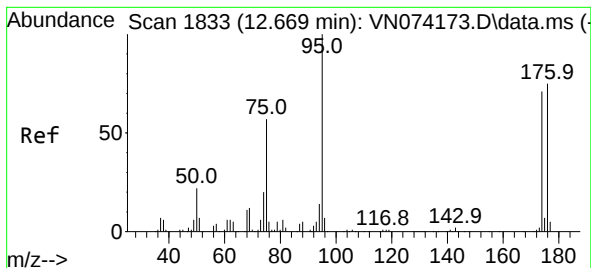
Tgt Ion: 43 Resp: 126368

Ion Ratio Lower Upper

43 100

58 19.1 29.7 89.1#

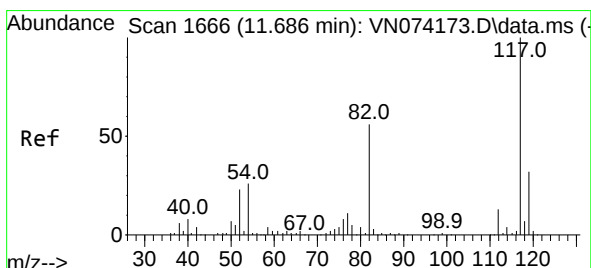
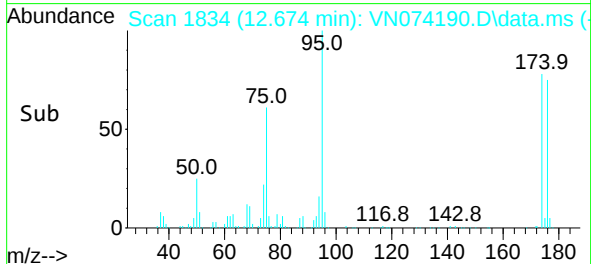
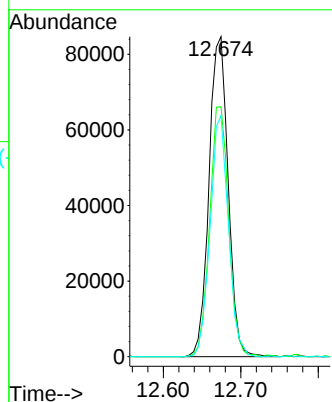
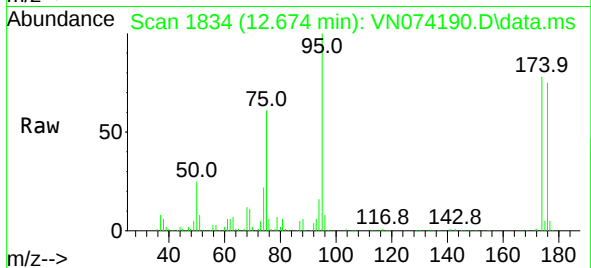




#62
4-Bromofluorobenzene
Concen: 55.874 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

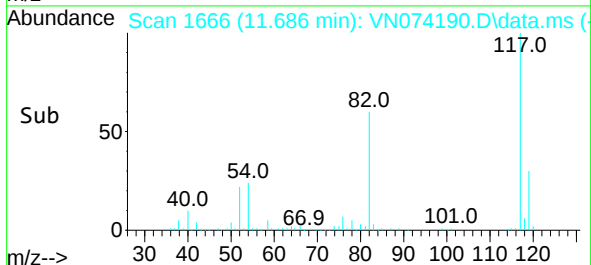
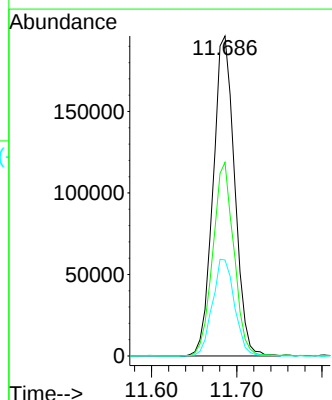
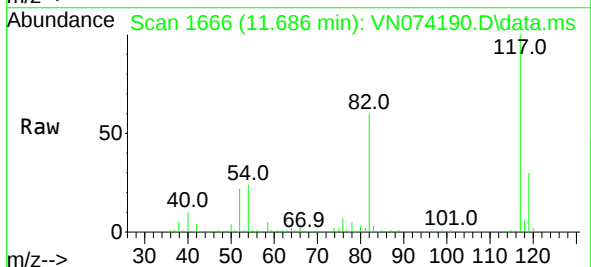
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#09

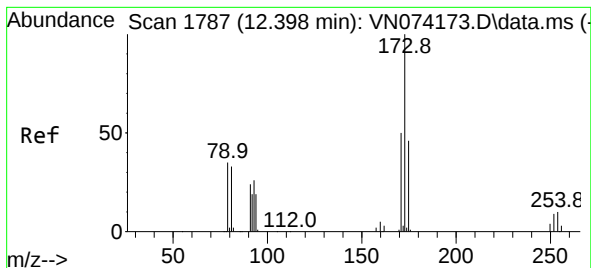
Tgt Ion: 95 Resp: 145073
Ion Ratio Lower Upper
95 100
174 77.5 0.0 167.6
176 72.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Tgt Ion: 117 Resp: 344852
Ion Ratio Lower Upper
117 100
82 60.5 44.2 66.2
119 30.0 25.4 38.0





#71

Bromoform

Concen: 0.529 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN074190.D

Acq: 31 Aug 2022 01:47

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#09

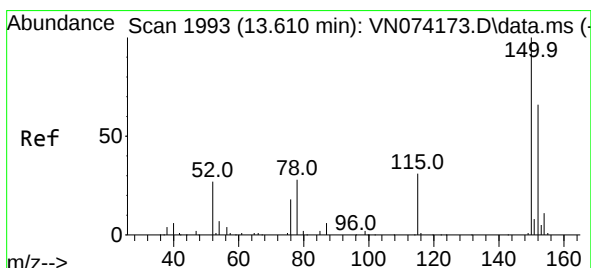
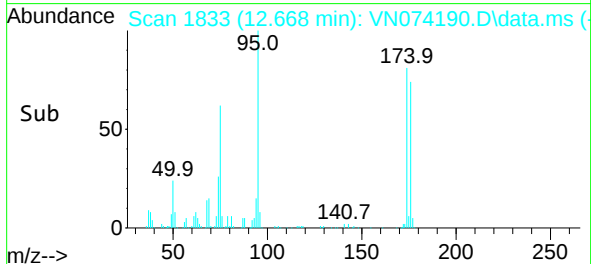
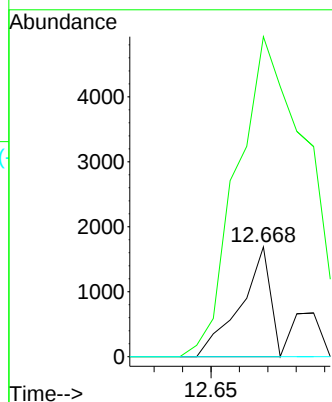
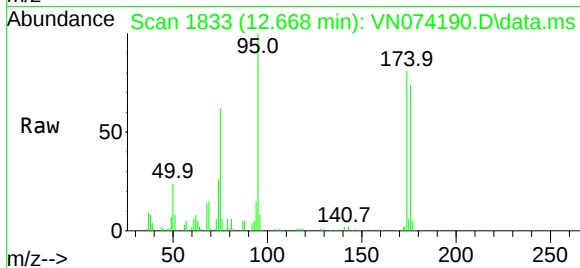
Tgt Ion:173 Resp: 1237

Ion Ratio Lower Upper

173 100

175 450.7 24.6 73.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN074190.D

Acq: 31 Aug 2022 01:47

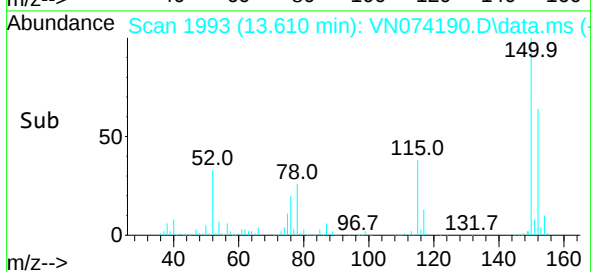
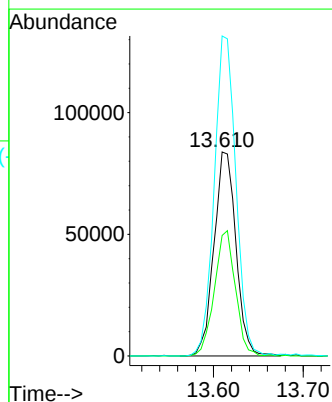
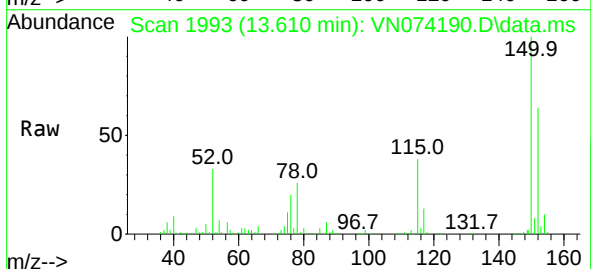
Tgt Ion:152 Resp: 142931

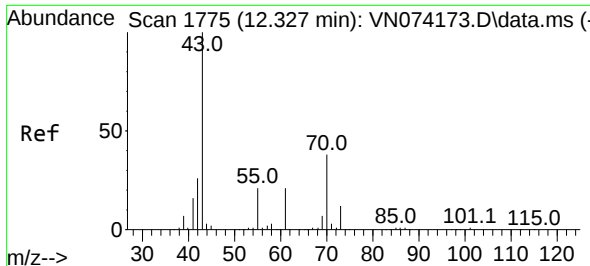
Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.7

150 155.0 0.0 356.2

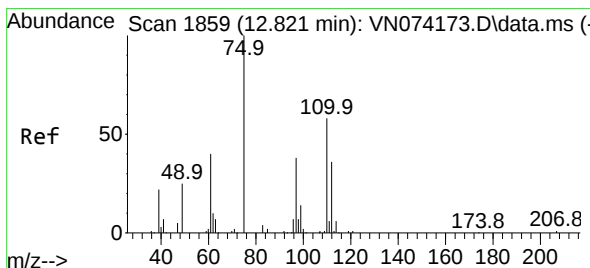
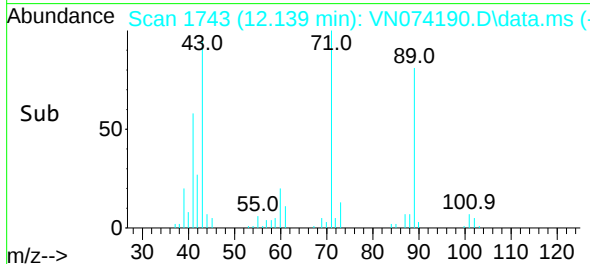
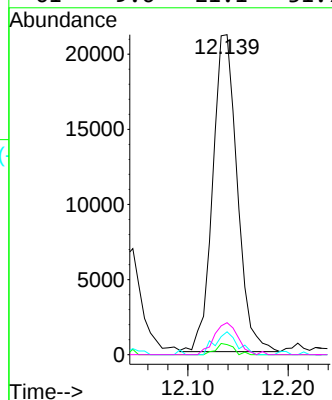
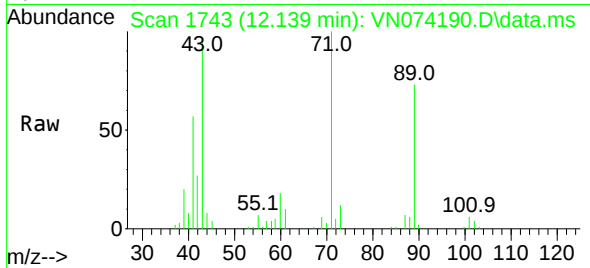




#74
N-amy1 acetate
Concen: 5.193 ug/l
RT: 12.139 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

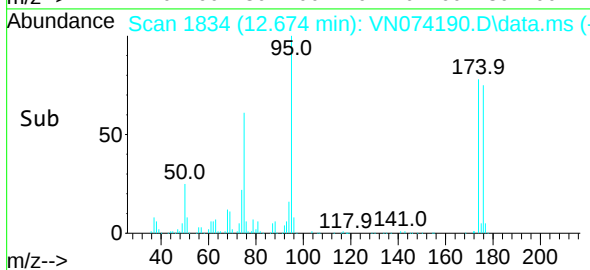
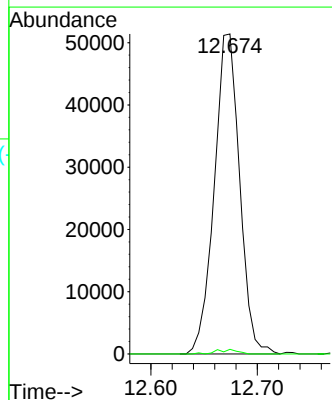
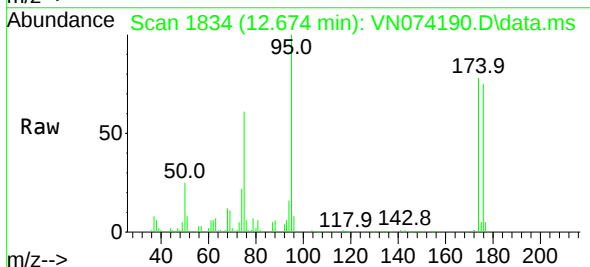
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#09

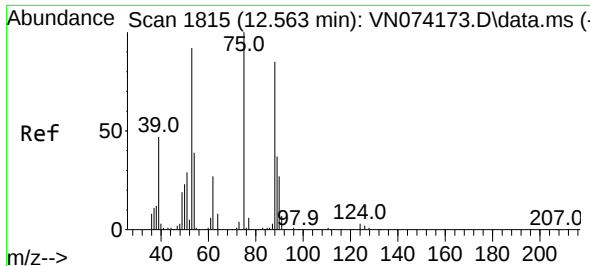
Tgt Ion:	43	Resp:	35964
Ion	Ratio	Lower	Upper
43	100		
70	2.5	39.0	58.4#
55	6.5	21.1	31.7#
61	9.6	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 23.836 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Tgt Ion:	75	Resp:	84999
Ion	Ratio	Lower	Upper
75	100		
77	1.2	98.5	295.5#

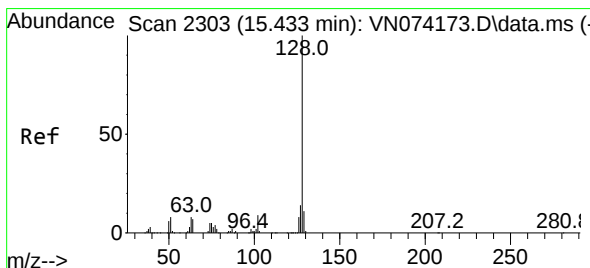
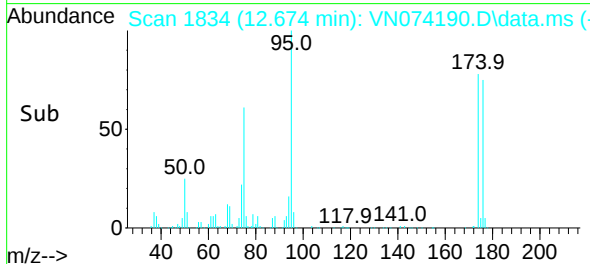
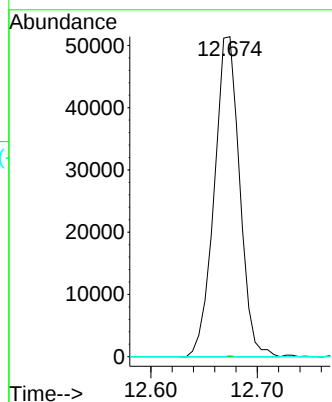
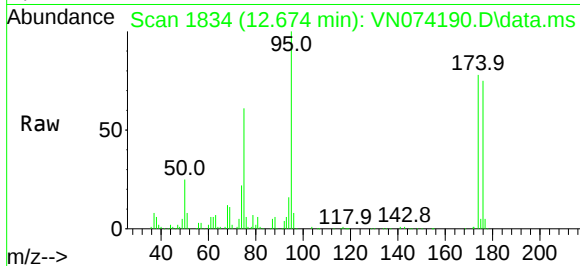




#81
trans-1,4-Dichloro-2-butene
Concen: 61.727 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#09

Tgt Ion: 75 Resp: 84999
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 1.157 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN074190.D
Acq: 31 Aug 2022 01:47

Tgt Ion: 128 Resp: 63
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

