

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070522\
 Data File : VN073326.D
 Acq On : 05 Jul 2022 19:39
 Operator : JC\MD
 Sample : N3564-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 06 01:17:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

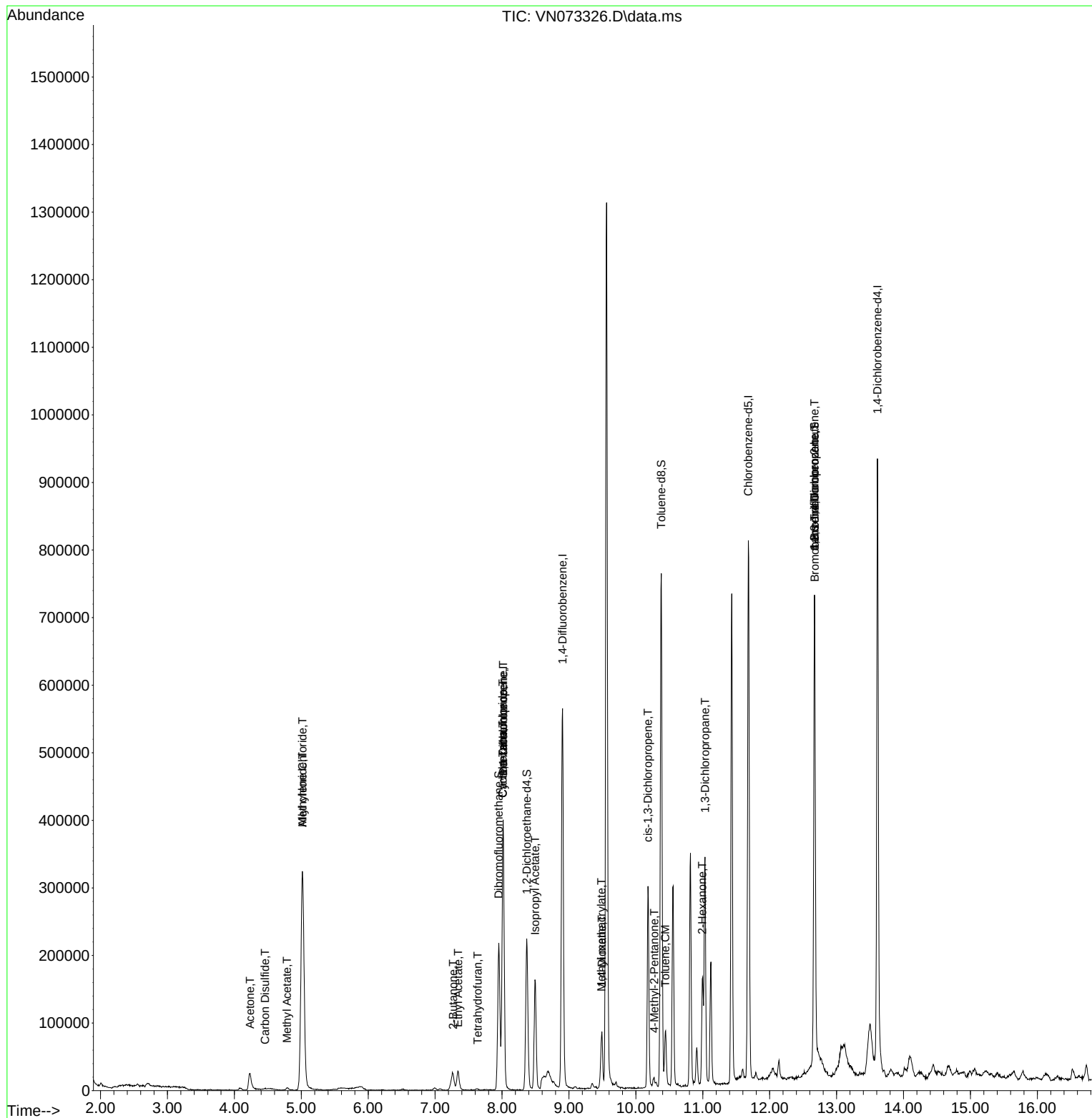
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	290471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	496702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	460078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	229819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	183966	43.872	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.740%		
35) Dibromofluoromethane	7.951	113	156608	47.390	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.780%		
50) Toluene-d8	10.381	98	525050	44.735	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.460%		
62) 4-Bromofluorobenzene	12.669	95	234985	52.098	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.200%		
Target Compounds						
					Qvalue	
14) Allyl chloride	5.016	41	9123	1.266	ug/l #	26
16) Acetone	4.234	43	48858	20.757	ug/l	93
17) Carbon Disulfide	4.457	76	2875	0.324	ug/l #	75
18) Methyl Acetate	4.787	43	6489	0.984	ug/l #	79
20) Methylene Chloride	5.016	84	266453	64.415	ug/l	92
25) 2-Butanone	7.269	43	37872	10.106	ug/l #	89
29) Tetrahydrofuran	7.634	42	1693	0.660	ug/l #	61
31) Cyclohexane	8.010	56	7312	1.065	ug/l #	41
36) 1,1-Dichloropropene	8.016	75	24425	4.804	ug/l #	49
37) Ethyl Acetate	7.345	43	46330	6.030	ug/l	96
38) Carbon Tetrachloride	8.010	117	29734	5.655	ug/l #	16
43) Isopropyl Acetate	8.492	43	195321	17.689	ug/l #	87
48) Methyl methacrylate	9.486	41	5957	1.165	ug/l #	34
49) 1,4-Dioxane	9.492	88	78	0.804	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	8249	1.178	ug/l	96
52) Toluene	10.439	92	33721	3.477	ug/l	93
54) cis-1,3-Dichloropropene	10.181	75	53061	8.488	ug/l #	64
57) 1,3-Dichloropropane	11.033	76	3460	0.506	ug/l #	42
59) 2-Hexanone	10.992	43	143465	26.878	ug/l #	21
76) 1,2,3-Trichloropropane	12.669	75	128123	21.321	ug/l #	1
77) Bromobenzene	12.674	156	11603	2.515	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	128123	58.471	ug/l #	11

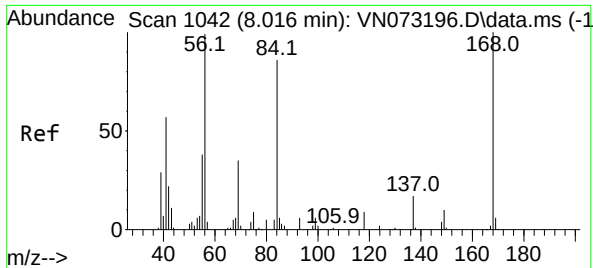
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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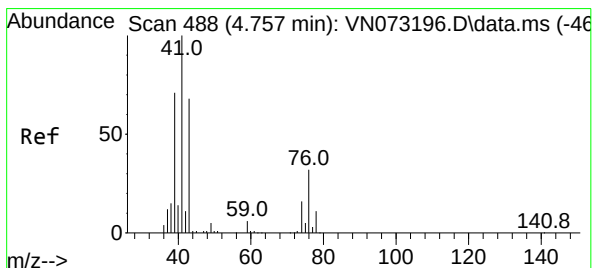
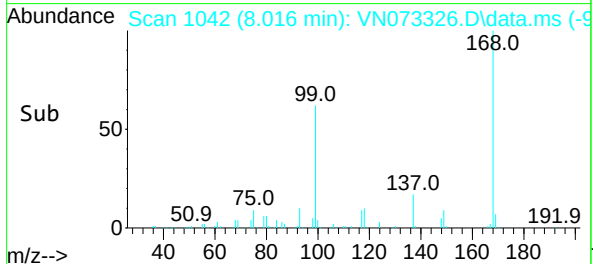
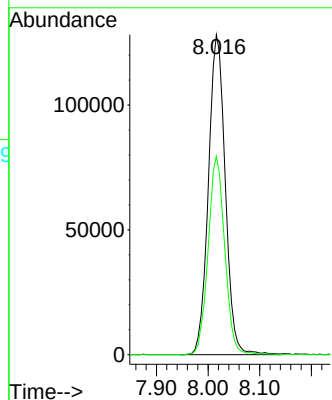
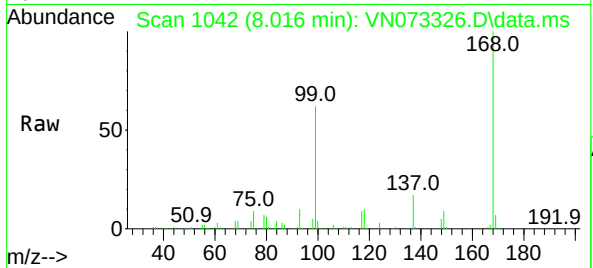




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

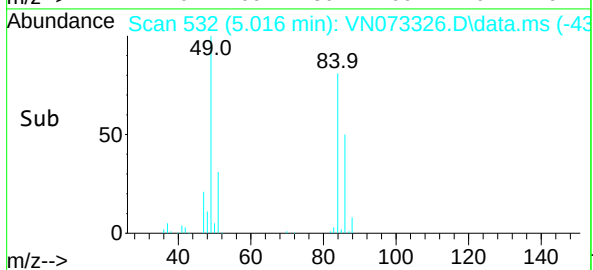
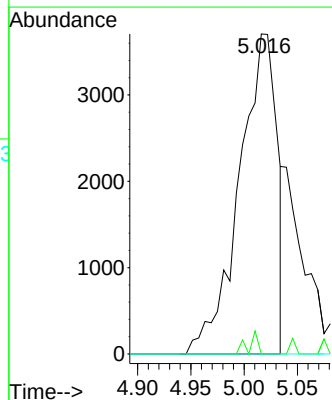
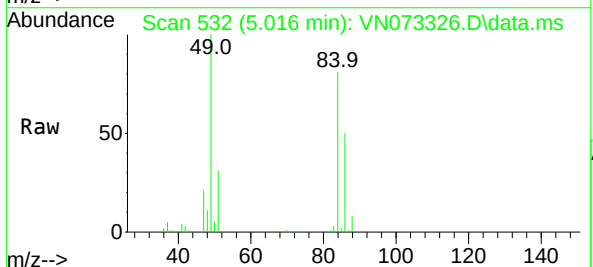
Instrument :
MSVOA_N
ClientSampleId :

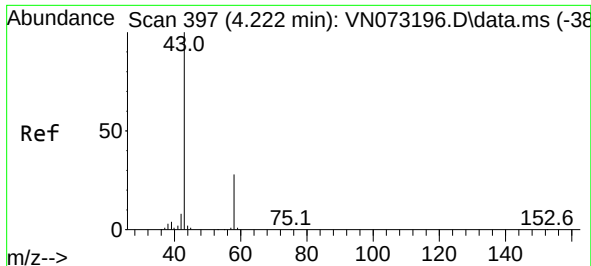
Tgt Ion:168 Resp: 290471
Ion Ratio Lower Upper
168 100
99 62.0 42.3 63.5



#14
Allyl chloride
Concen: 1.266 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.259 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

Tgt Ion: 41 Resp: 9123
Ion Ratio Lower Upper
41 100
39 1.7 53.2 79.8#
76 0.0 29.9 44.9#

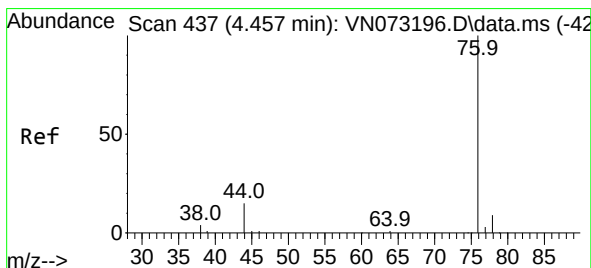
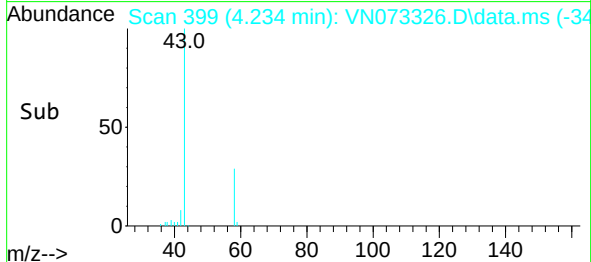
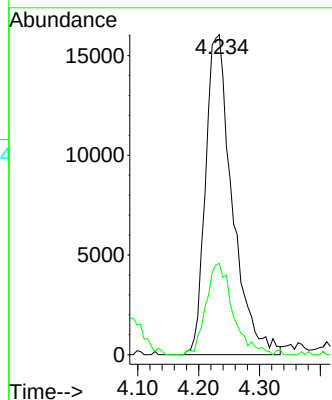
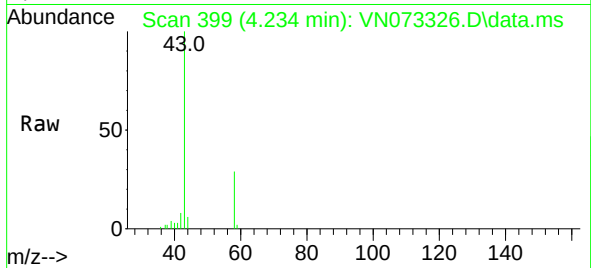




#16
Acetone
Concen: 20.757 ug/l
RT: 4.234 min Scan# 397
Delta R.T. 0.012 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

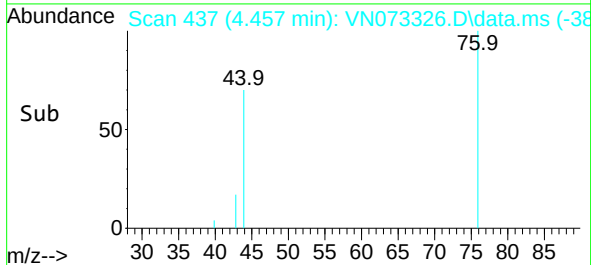
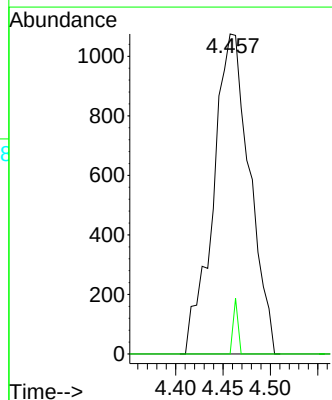
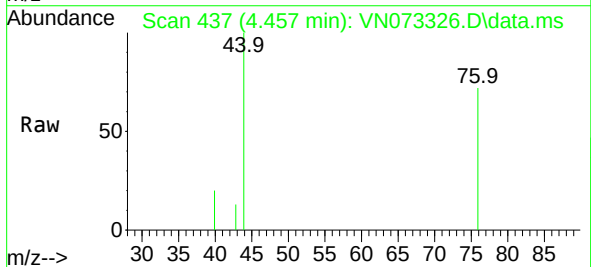
Instrument :
MSVOA_N
ClientSampleId :

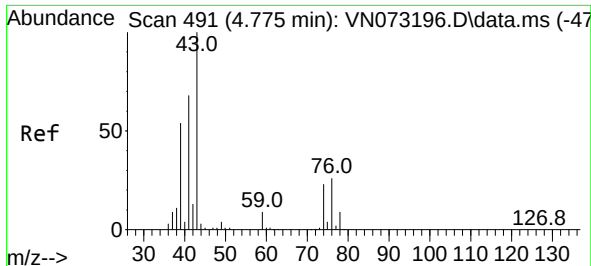
Tgt Ion: 43 Resp: 48858
Ion Ratio Lower Upper
43 100
58 28.6 26.0 39.0



#17
Carbon Disulfide
Concen: 0.324 ug/l
RT: 4.457 min Scan# 437
Delta R.T. 0.000 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

Tgt Ion: 76 Resp: 2875
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

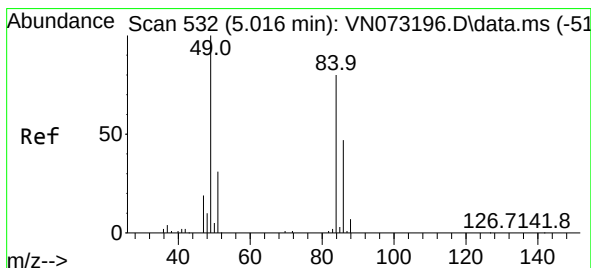
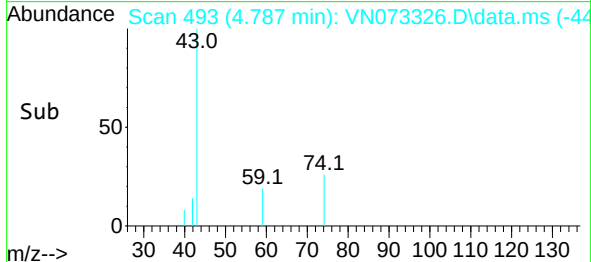
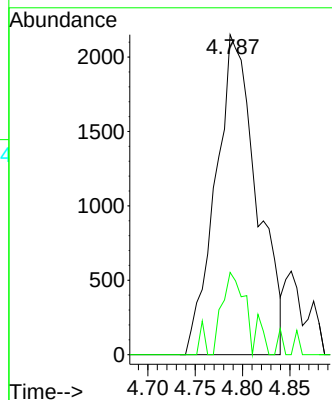
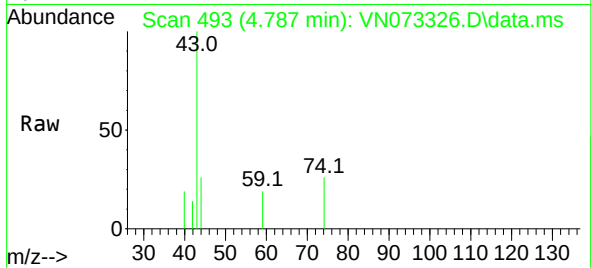




#18
Methyl Acetate
Concen: 0.984 ug/l
RT: 4.787 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

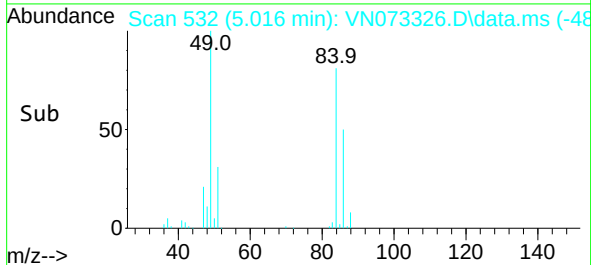
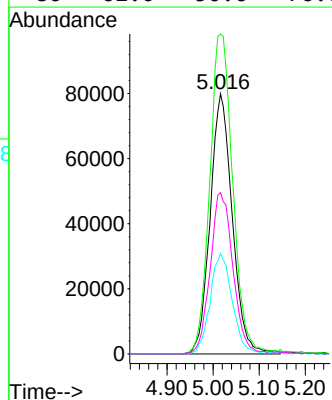
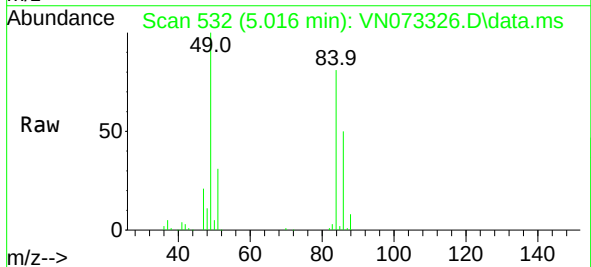
Instrument :
MSVOA_N
ClientSampleId :

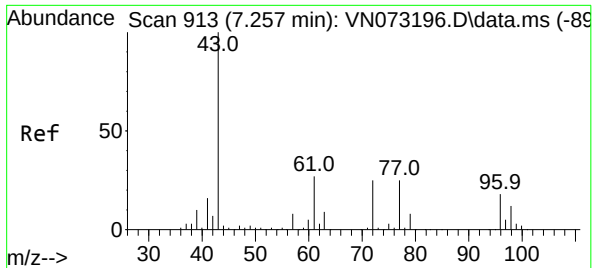
Tgt Ion: 43 Resp: 6489
Ion Ratio Lower Upper
43 100
74 15.9 21.6 32.4#



#20
Methylene Chloride
Concen: 64.415 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.000 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

Tgt Ion: 84 Resp: 266453
Ion Ratio Lower Upper
84 100
49 123.0 88.3 132.5
51 38.6 28.2 42.2
86 62.0 50.6 76.0

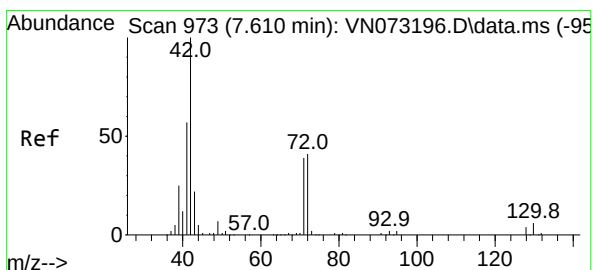
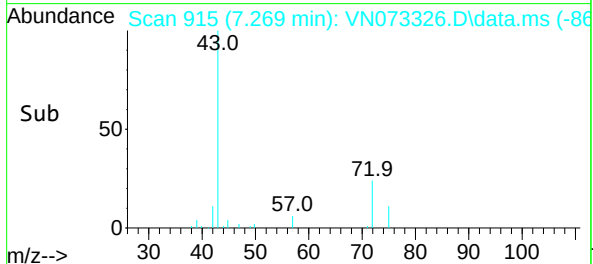
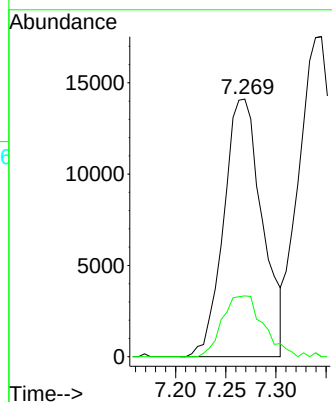
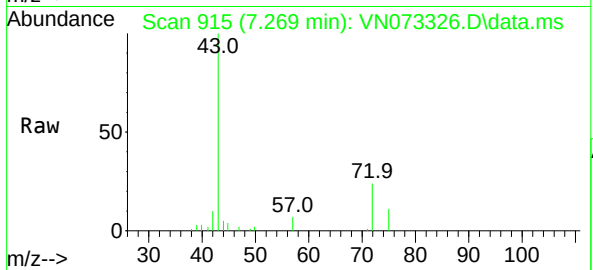




#25
2-Butanone
Concen: 10.106 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

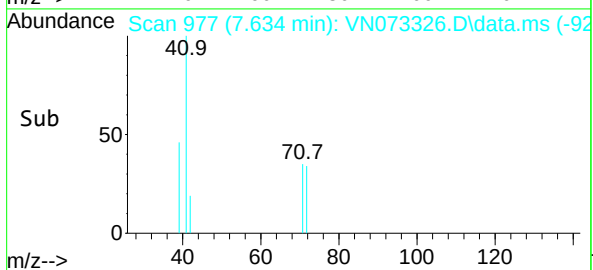
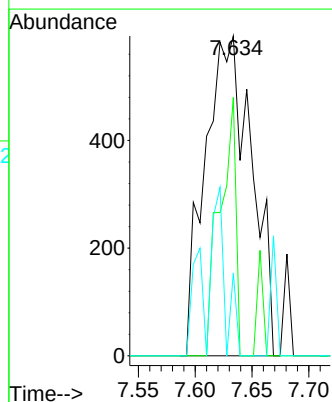
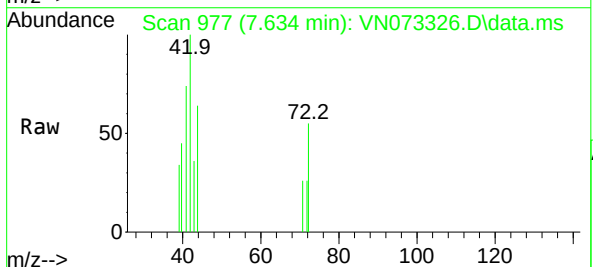
Instrument :
MSVOA_N
ClientSampleId :

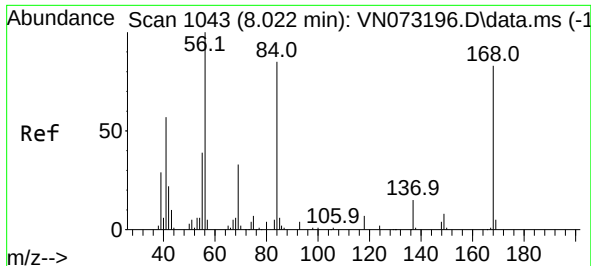
Tgt Ion: 43 Resp: 37872
Ion Ratio Lower Upper
43 100
72 23.6 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.660 ug/l
RT: 7.634 min Scan# 977
Delta R.T. 0.024 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

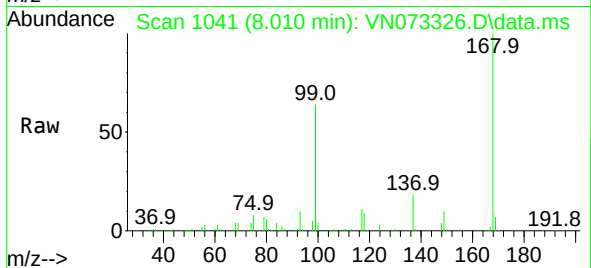
Tgt Ion: 42 Resp: 1693
Ion Ratio Lower Upper
42 100
72 27.7 39.7 59.5#
71 15.1 36.6 55.0#



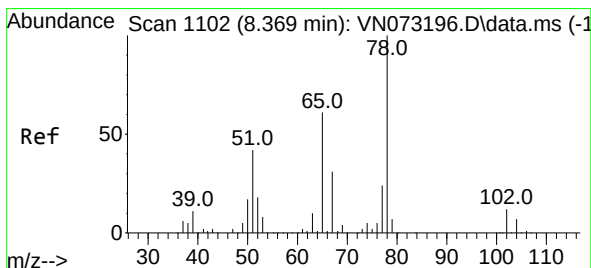
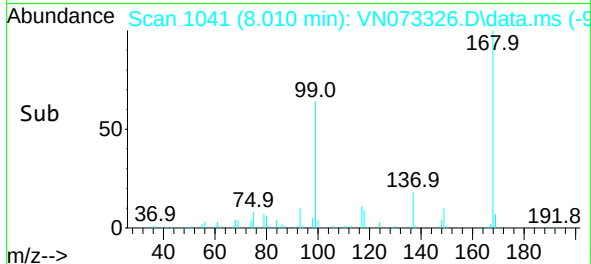
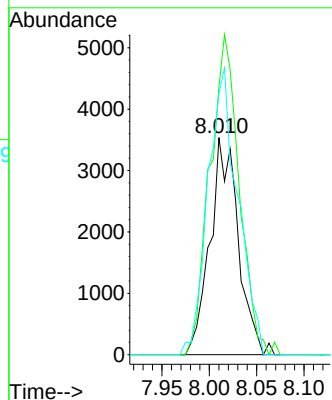


#31
Cyclohexane
Concen: 1.065 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

Instrument :
MSVOA_N
ClientSampleId :

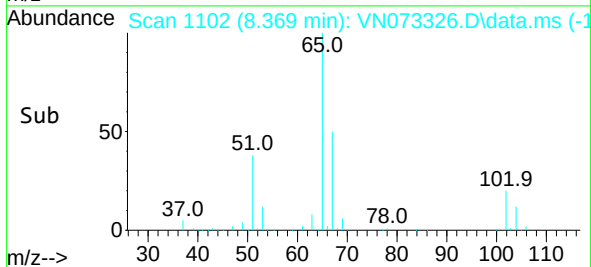
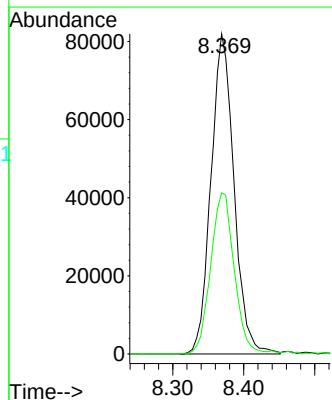
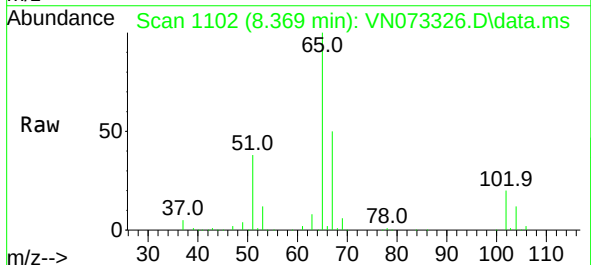


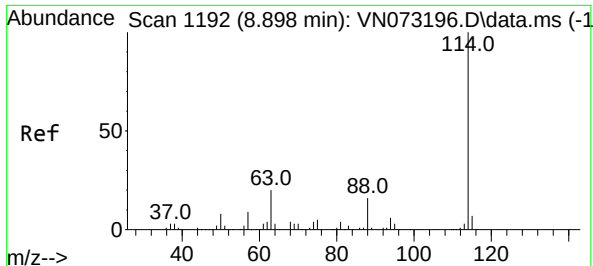
Tgt Ion: 56 Resp: 7312
Ion Ratio Lower Upper
56 100
69 123.2 27.8 41.8#
84 120.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.872 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

Tgt Ion: 65 Resp: 183966
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8

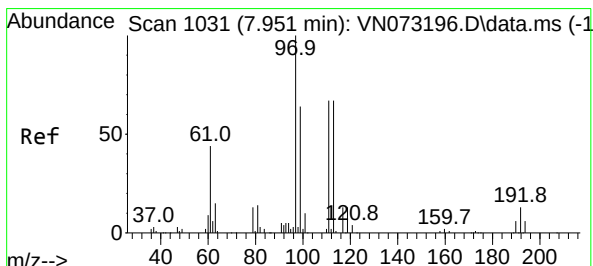
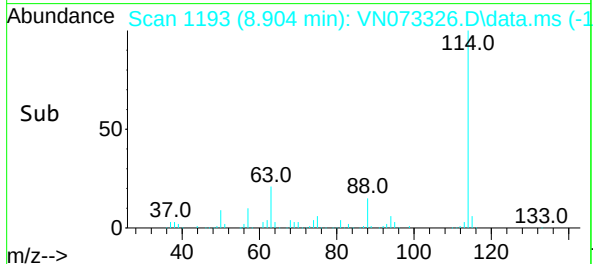
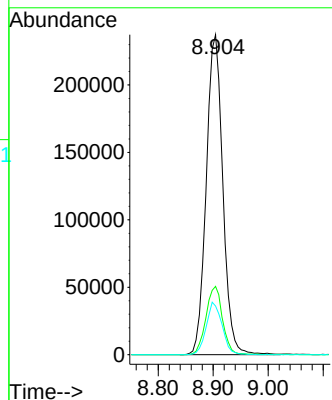
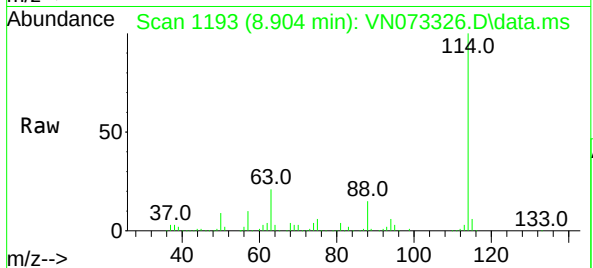




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

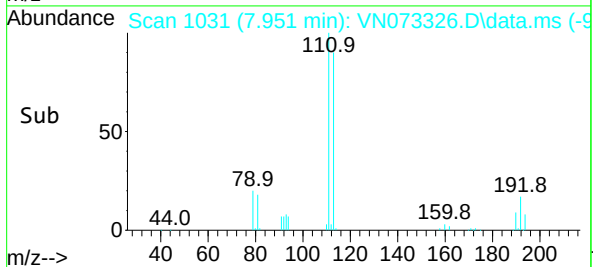
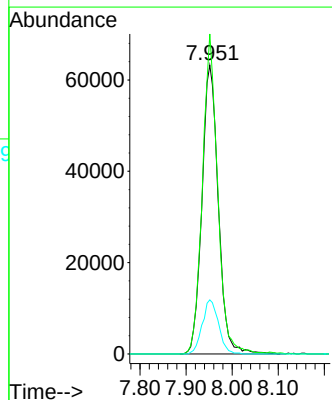
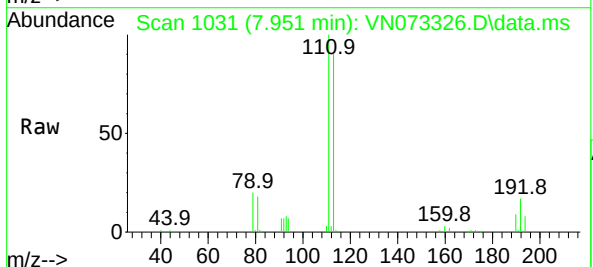
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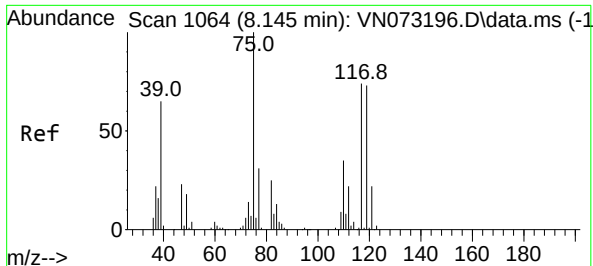
Tgt Ion:114 Resp: 496702
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.0
88 15.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.390 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

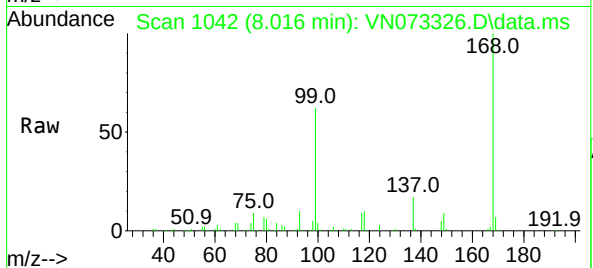
Tgt Ion:113 Resp: 156608
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.0
192 18.6 17.0 25.6



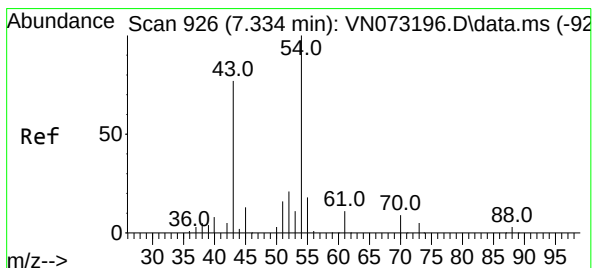
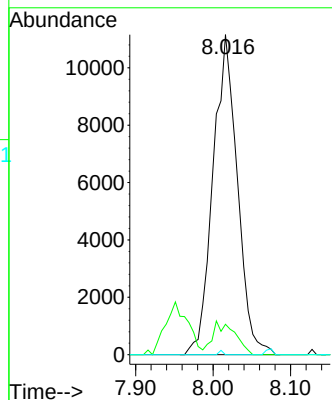
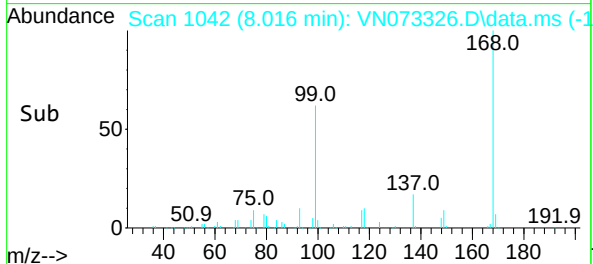


#36
1,1-Dichloropropene
Concen: 4.804 ug/l
RT: 8.016 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

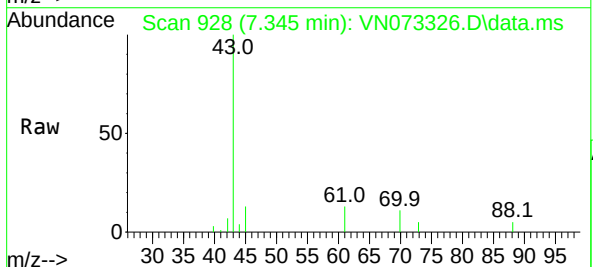
Instrument :
MSVOA_N
ClientSampleId :



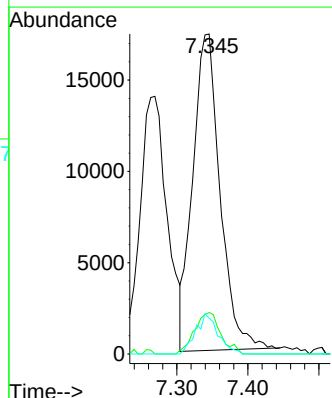
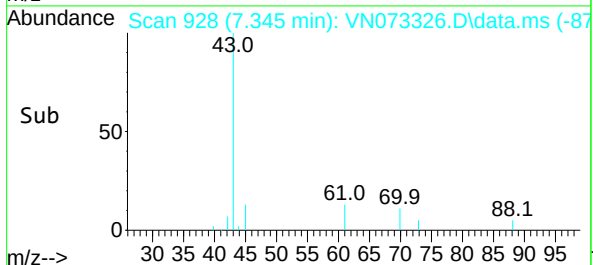
Tgt Ion: 75 Resp: 24425
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.2 25.1 37.7#

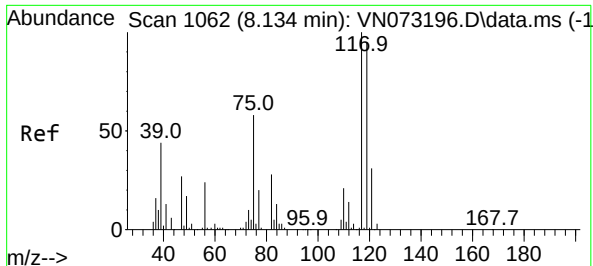


#37
Ethyl Acetate
Concen: 6.030 ug/l
RT: 7.345 min Scan# 928
Delta R.T. 0.011 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39



Tgt Ion: 43 Resp: 46330
Ion Ratio Lower Upper
43 100
61 12.5 11.8 17.6
70 10.4 9.3 13.9





#38

Carbon Tetrachloride

Concen: 5.655 ug/l

RT: 8.010 min Scan# 110

Delta R.T. -0.124 min

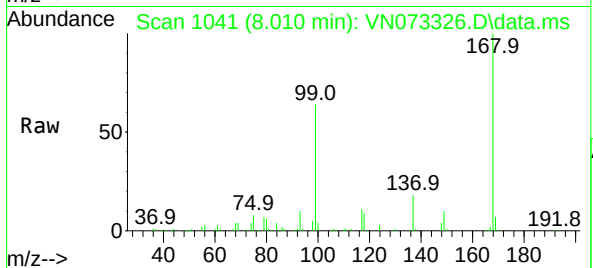
Lab File: VN073326.D

Acq: 05 Jul 2022 19:39

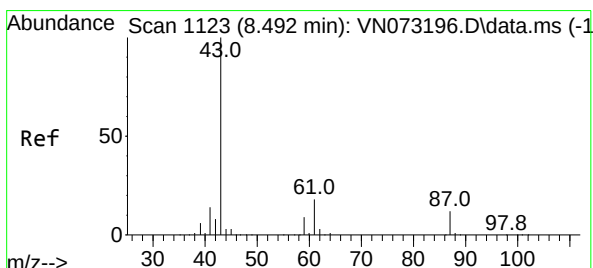
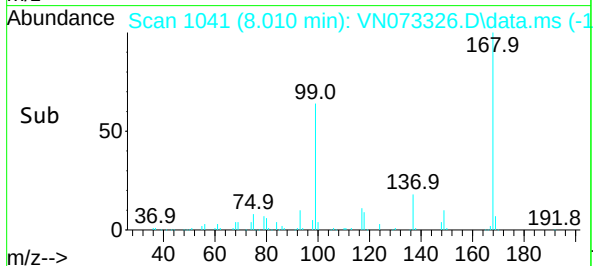
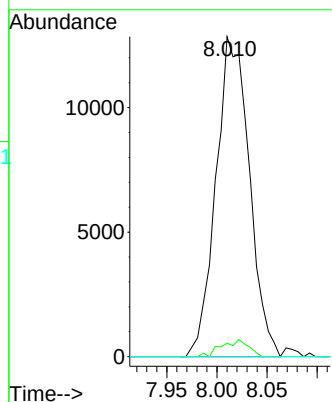
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	117	Resp:	29734
Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.8	113.8#
121	0.0	24.6	37.0#



#43

Isopropyl Acetate

Concen: 17.689 ug/l

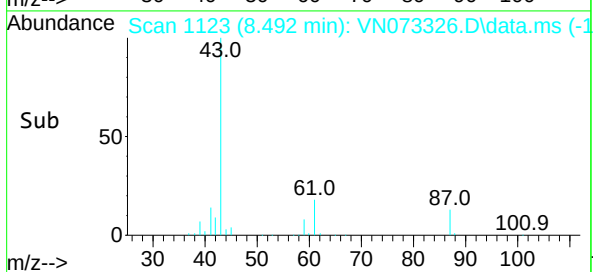
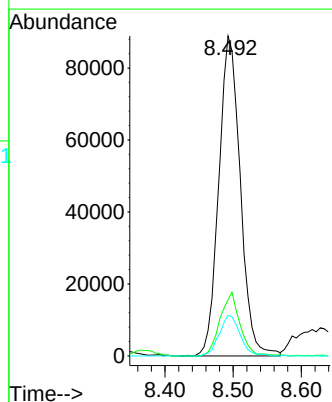
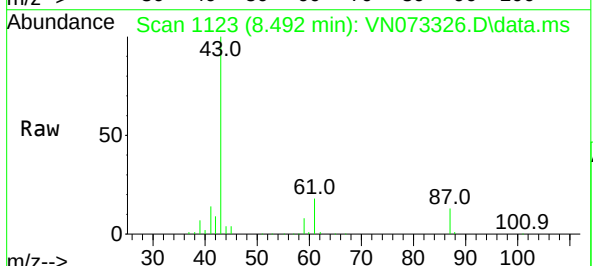
RT: 8.492 min Scan# 1123

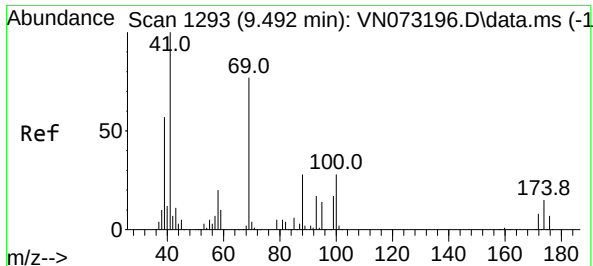
Delta R.T. 0.000 min

Lab File: VN073326.D

Acq: 05 Jul 2022 19:39

Tgt Ion:	43	Resp:	195321
Ion	Ratio	Lower	Upper
43	100		
61	18.5	21.9	32.9#
87	12.3	12.0	18.0

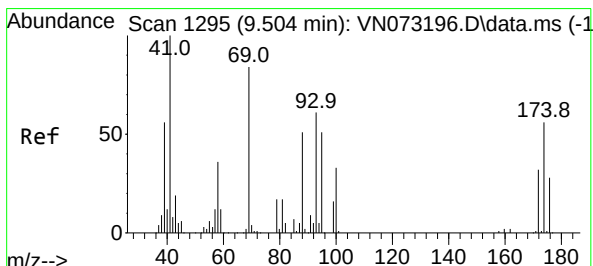
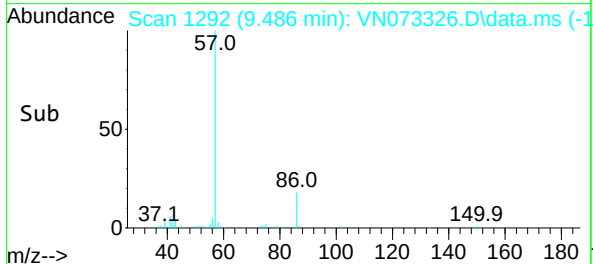
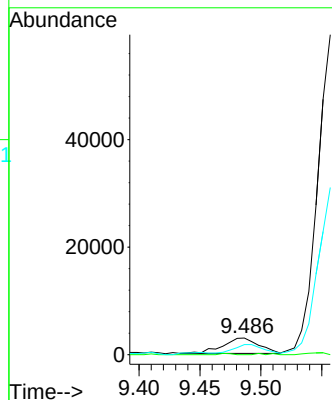
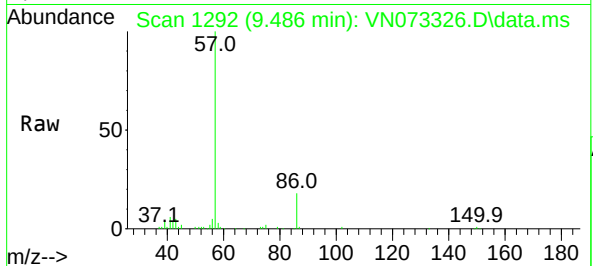




#48
Methyl methacrylate
Concen: 1.165 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.006 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

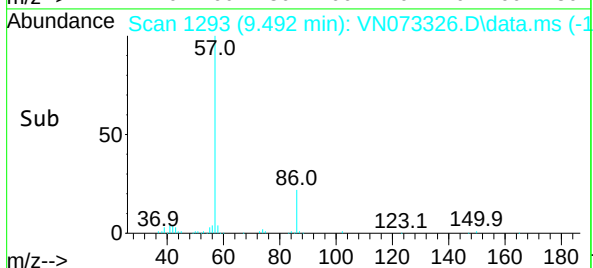
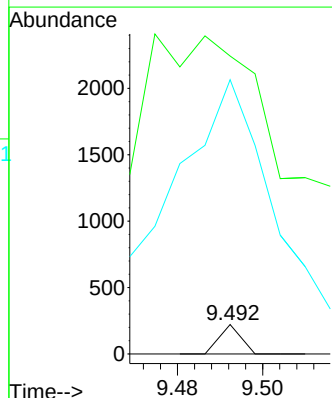
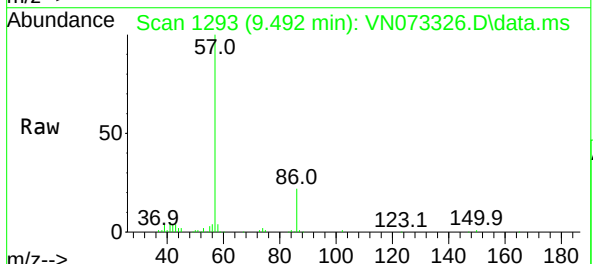
Instrument :
MSVOA_N
ClientSampleId :

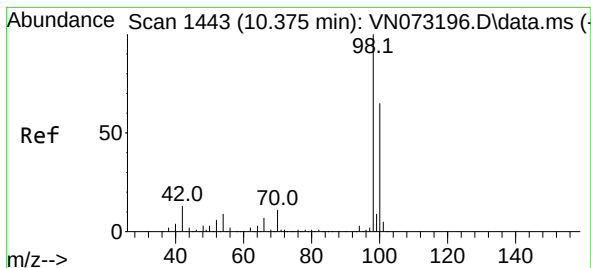
Tgt Ion: 41 Resp: 5957
Ion Ratio Lower Upper
41 100
69 2.5 74.7 112.1#
39 42.5 45.6 68.4#



#49
1,4-Dioxane
Concen: 0.804 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.012 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 5070.5 54.2 81.4#

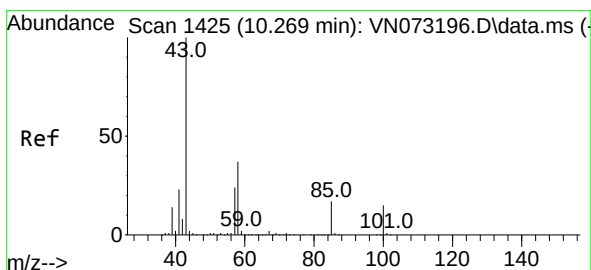
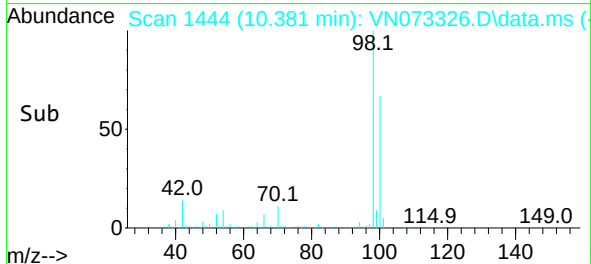
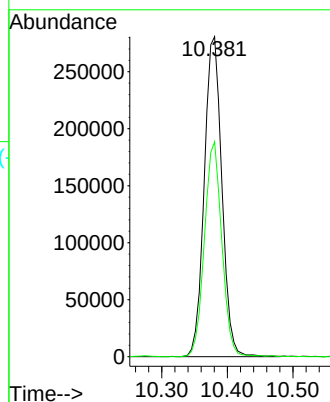
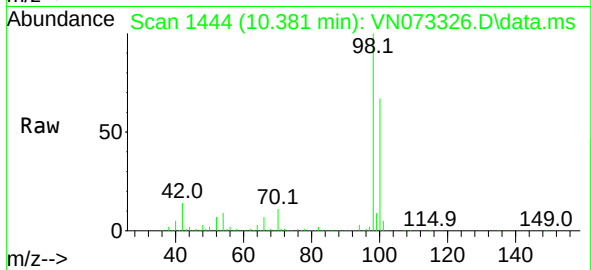




#50
Toluene-d8
Concen: 44.735 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

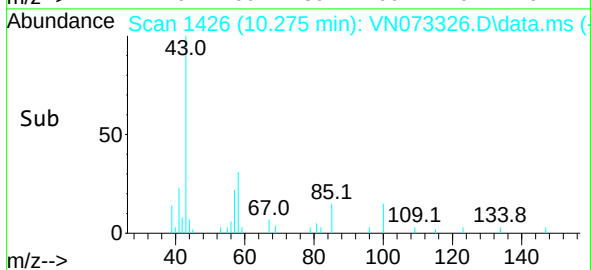
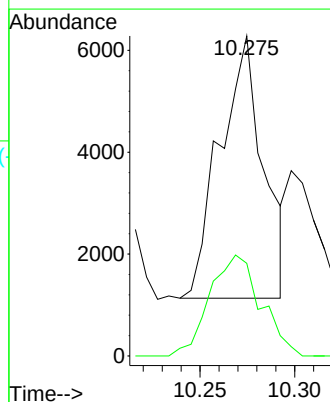
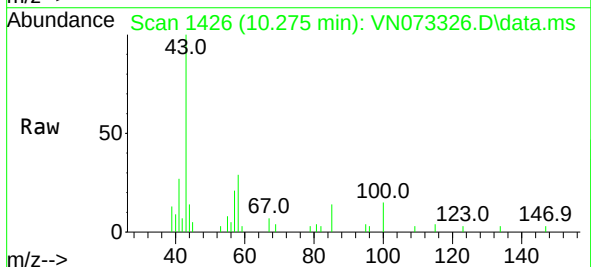
Instrument :
MSVOA_N
ClientSampleId :

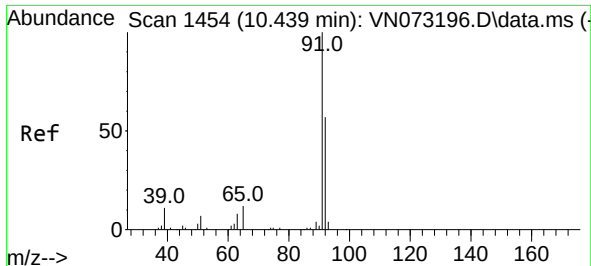
Tgt Ion: 98 Resp: 525050
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.178 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

Tgt Ion: 43 Resp: 8249
Ion Ratio Lower Upper
43 100
58 45.2 34.1 51.1

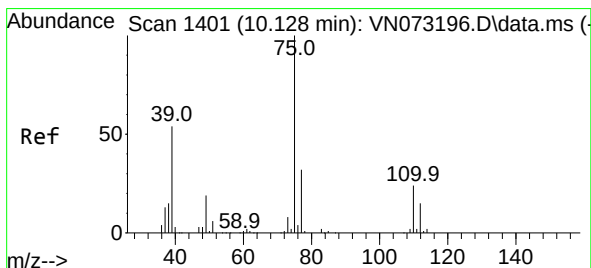
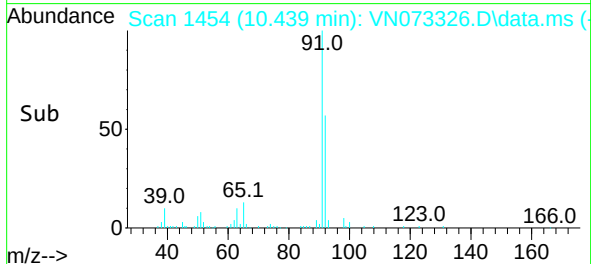
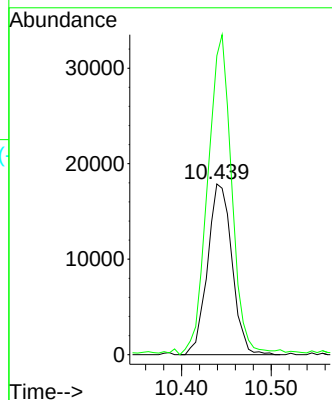
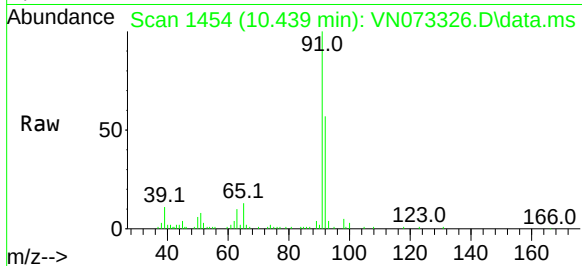




#52
Toluene
Concen: 3.477 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

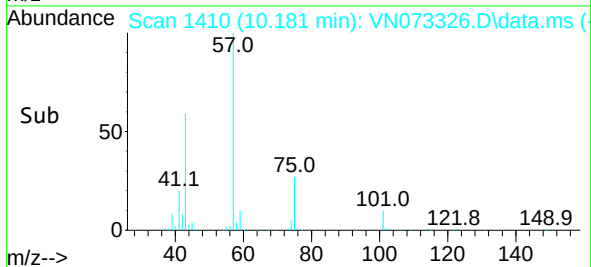
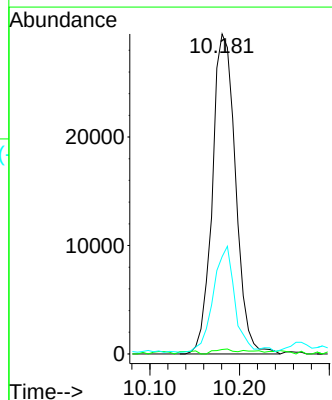
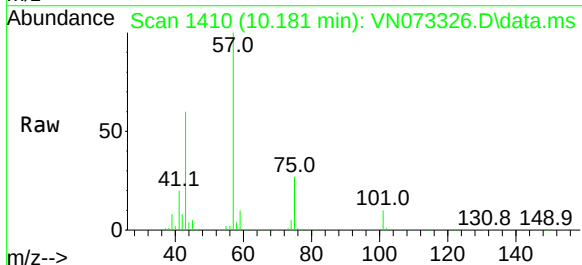
Instrument :
MSVOA_N
ClientSampleId :

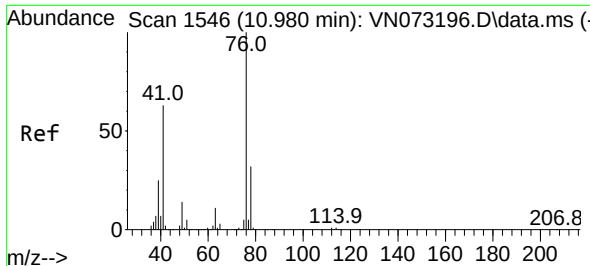
Tgt Ion: 92 Resp: 33721
Ion Ratio Lower Upper
92 100
91 182.2 138.6 207.8



#54
cis-1,3-Dichloropropene
Concen: 8.488 ug/l
RT: 10.181 min Scan# 1410
Delta R.T. 0.053 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

Tgt Ion: 75 Resp: 53061
Ion Ratio Lower Upper
75 100
77 0.7 25.2 37.8#
39 29.8 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 0.506 ug/l

RT: 11.033 min Scan# 11

Delta R.T. 0.053 min

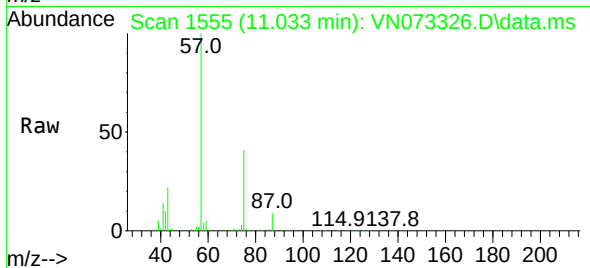
Lab File: VN073326.D

Acq: 05 Jul 2022 19:39

Instrument :

MSVOA_N

ClientSampleId :

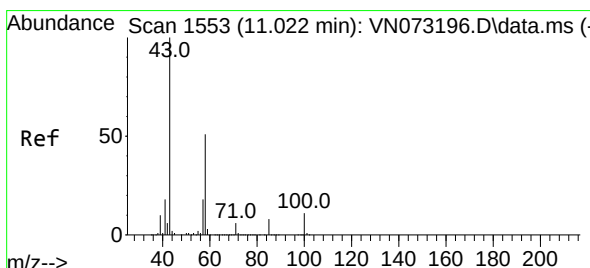
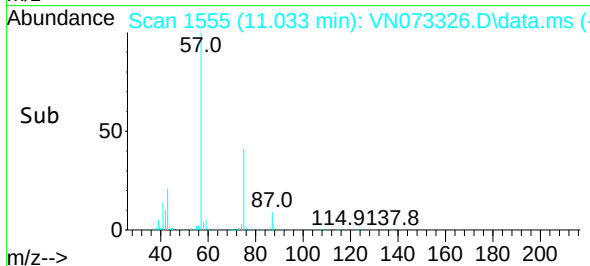
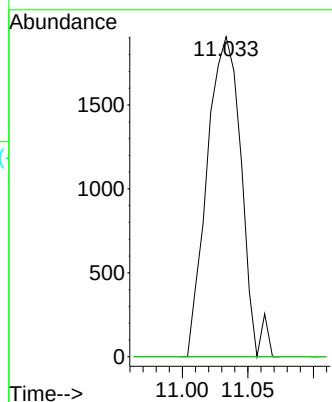


Tgt Ion: 76 Resp: 3460

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 26.878 ug/l

RT: 10.992 min Scan# 1548

Delta R.T. -0.030 min

Lab File: VN073326.D

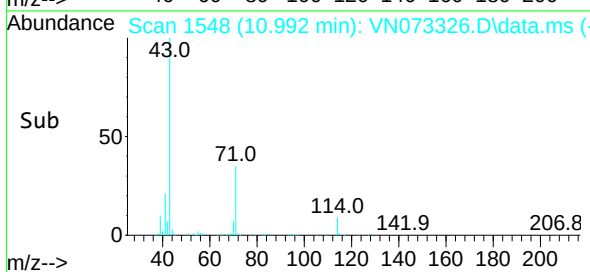
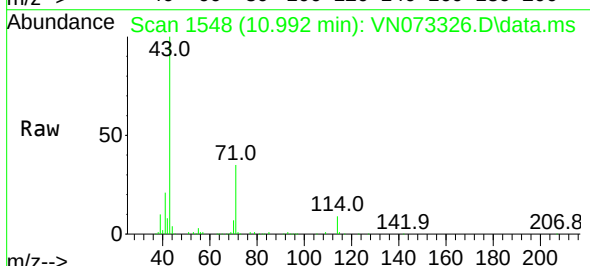
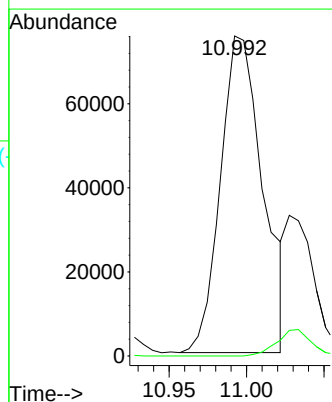
Acq: 05 Jul 2022 19:39

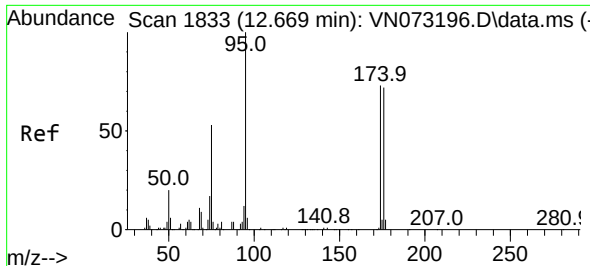
Tgt Ion: 43 Resp: 143465

Ion Ratio Lower Upper

43 100

58 0.0 29.7 89.1#

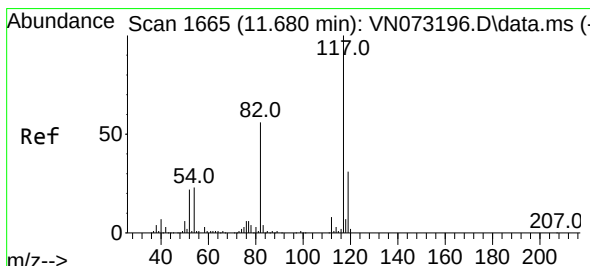
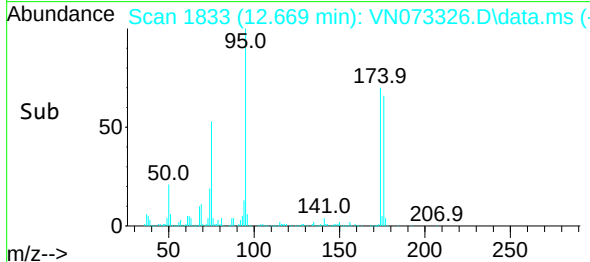
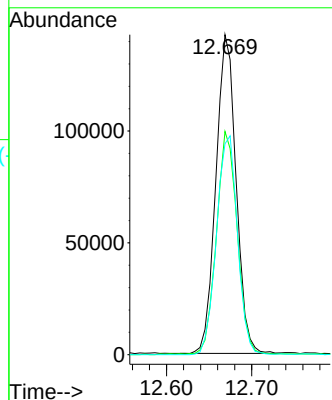
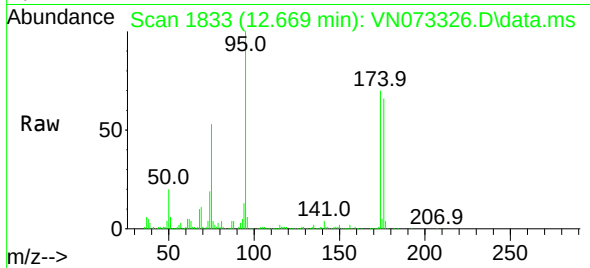




#62
4-Bromofluorobenzene
Concen: 52.098 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

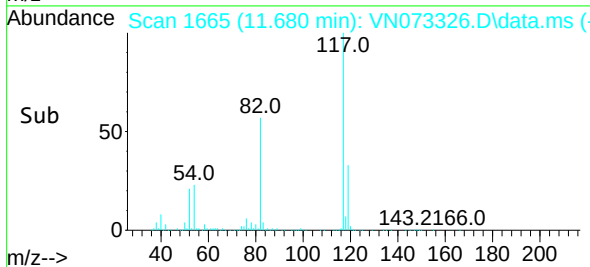
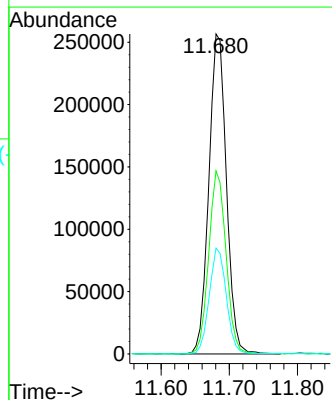
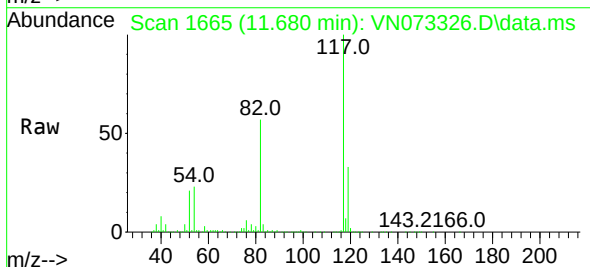
Instrument :
MSVOA_N
ClientSampleId :

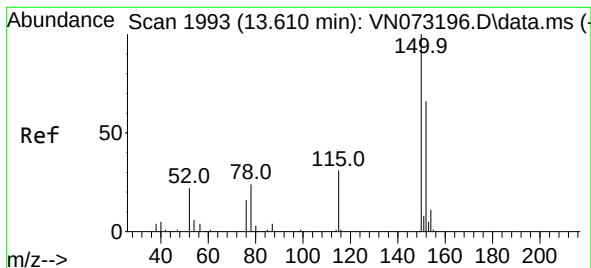
Tgt Ion: 95 Resp: 234985
Ion Ratio Lower Upper
95 100
174 72.6 0.0 167.6
176 71.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

Tgt Ion: 117 Resp: 460078
Ion Ratio Lower Upper
117 100
82 57.1 44.2 66.2
119 33.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN073326.D

Acq: 05 Jul 2022 19:39

Instrument :

MSVOA_N

ClientSampleId :

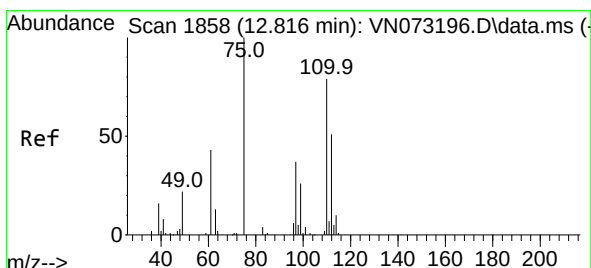
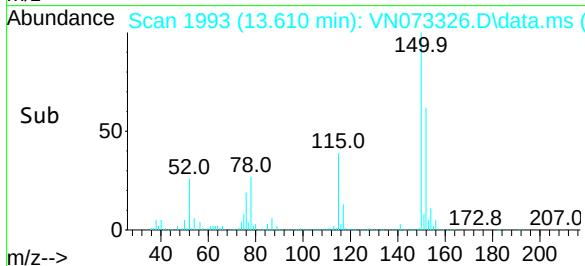
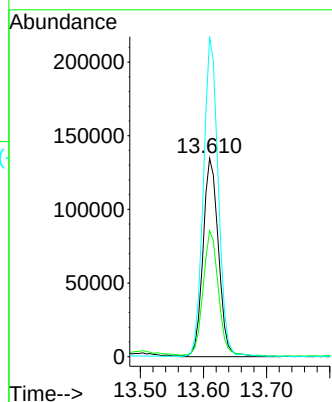
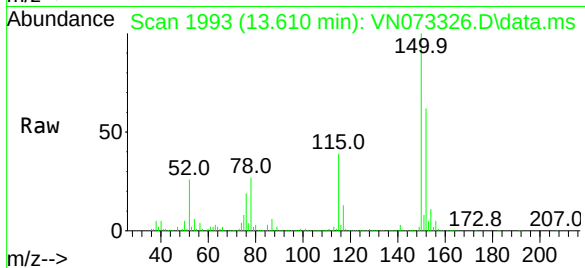
Tgt Ion:152 Resp: 229819

Ion Ratio Lower Upper

152 100

115 63.2 28.9 86.7

150 155.1 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 21.321 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. -0.147 min

Lab File: VN073326.D

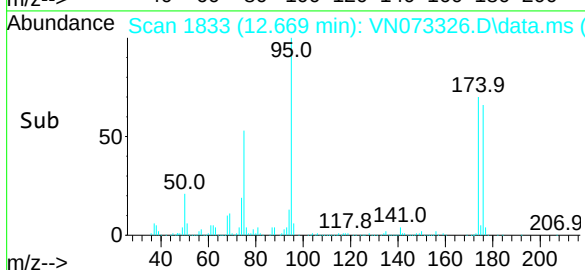
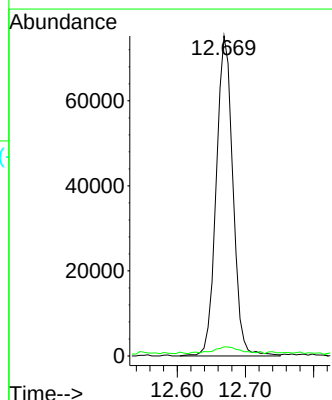
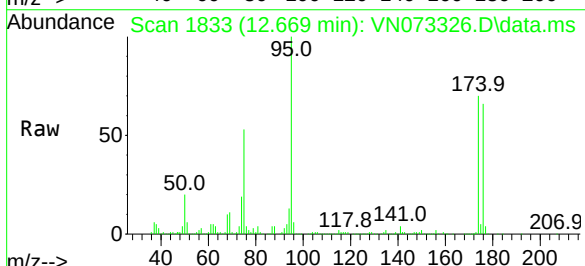
Acq: 05 Jul 2022 19:39

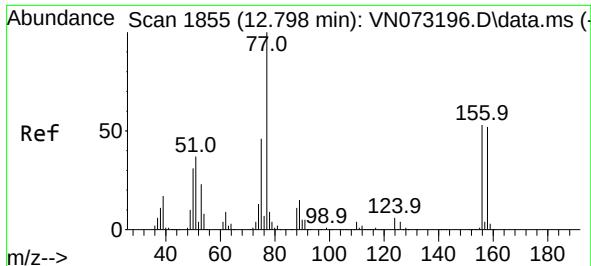
Tgt Ion: 75 Resp: 128123

Ion Ratio Lower Upper

75 100

77 3.5 98.5 295.5#

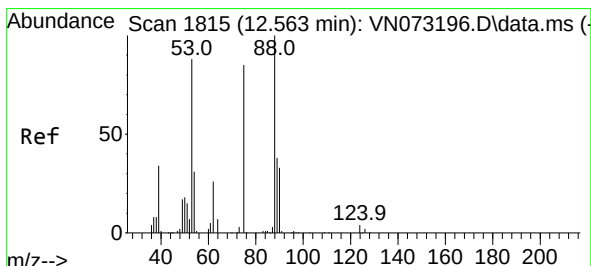
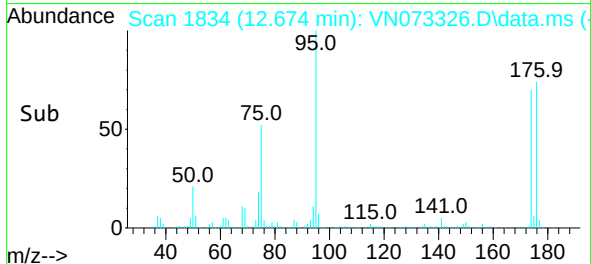
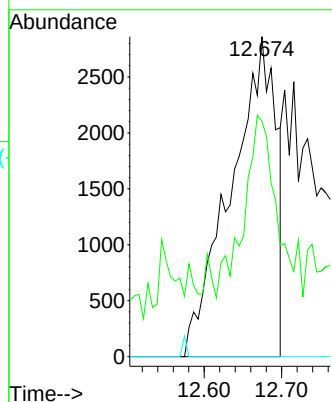
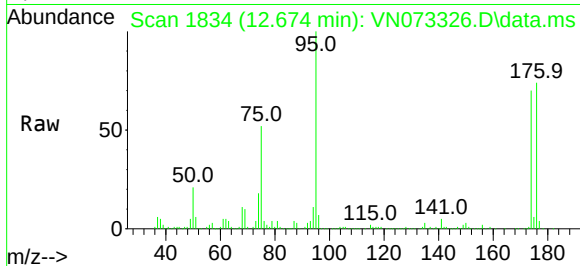




#77
Bromobenzene
Concen: 2.515 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.124 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:156 Resp: 11603
Ion Ratio Lower Upper
156 100
77 39.5 100.5 301.5#
158 0.0 48.9 146.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.471 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073326.D
Acq: 05 Jul 2022 19:39

Tgt Ion: 75 Resp: 128123
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

