

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063022\
 Data File : VN073271.D
 Acq On : 30 Jun 2022 17:26
 Operator : JC\MD
 Sample : N3524-04
 Misc : 1.15g/10mL/100uL/5.0mL/MeOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 01 08:08:33 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

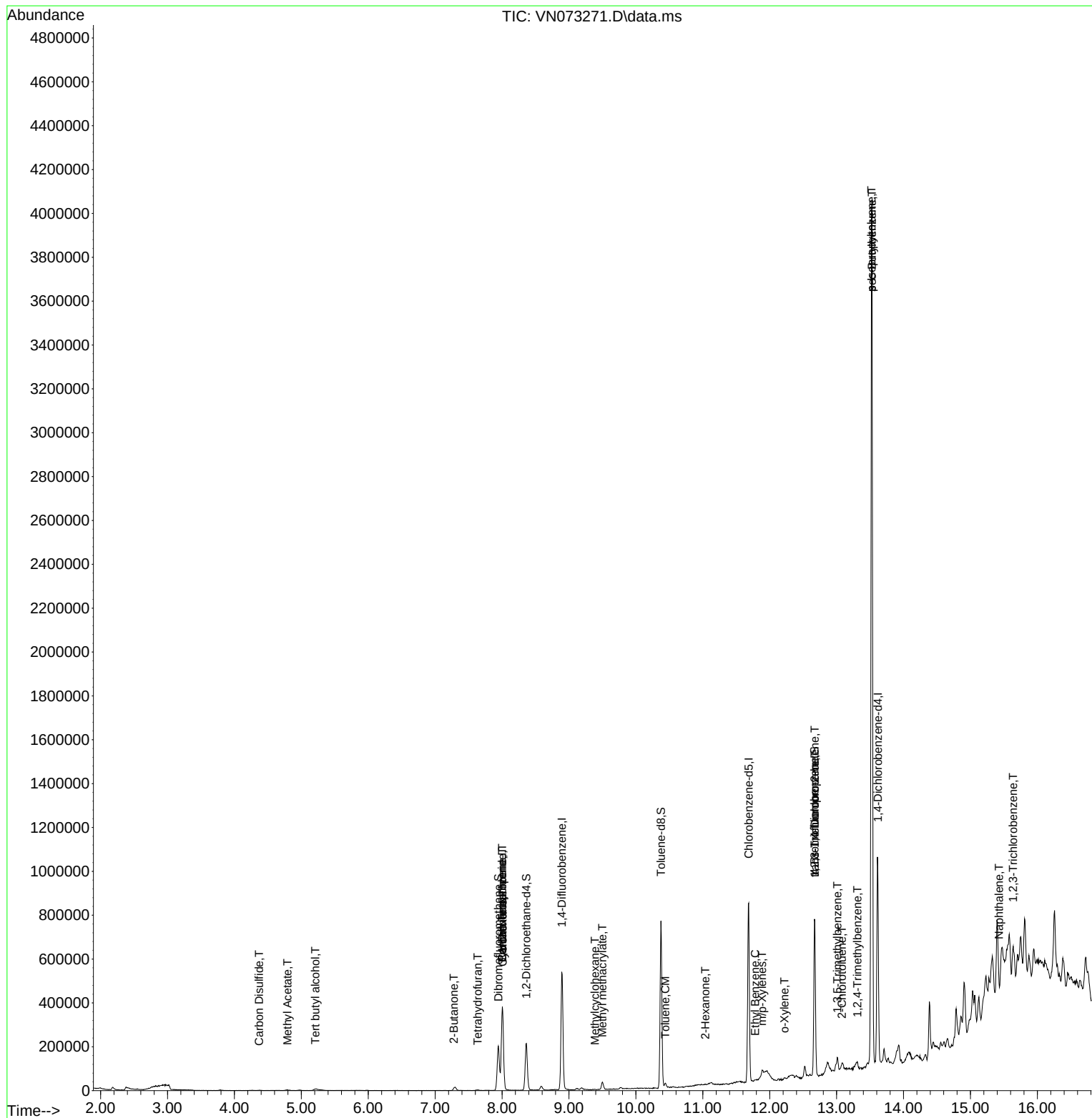
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.004	168	293613	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.892	114	485042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	476037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	257230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	177974	41.989	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.980%
35) Dibromofluoromethane	7.945	113	149915	46.456	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.920%
50) Toluene-d8	10.374	98	521754	45.523	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.040%
62) 4-Bromofluorobenzene	12.668	95	253746	57.610	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	7054	6.870	ug/l #	72
17) Carbon Disulfide	4.369	76	2670	0.298	ug/l #	71
18) Methyl Acetate	4.792	43	5366	0.805	ug/l #	77
25) 2-Butanone	7.281	43	1101	0.291	ug/l #	45
29) Tetrahydrofuran	7.633	42	2594	1.000	ug/l #	80
31) Cyclohexane	8.010	56	7076	1.019	ug/l #	1
36) 1,1-Dichloropropene	8.004	75	23090	4.650	ug/l #	49
38) Carbon Tetrachloride	8.004	117	29580	5.761	ug/l #	17
39) Methylcyclohexane	9.386	83	1356	0.219	ug/l #	39
48) Methyl methacrylate	9.498	41	20573	4.121	ug/l #	85
52) Toluene	10.439	92	3526	0.372	ug/l #	64
59) 2-Hexanone	11.039	43	1724	0.331	ug/l	64
67) Ethyl Benzene	11.780	91	5571	0.285	ug/l	89
68) m/p-Xylenes	11.886	106	6723	0.911	ug/l	87
69) o-Xylene	12.221	106	3021	0.401	ug/l	86
76) 1,2,3-Trichloropropane	12.674	75	129183	19.206	ug/l #	1
79) 2-Chlorotoluene	13.080	91	3673	0.235	ug/l	71
80) 1,3,5-Trimethylbenzene	13.010	105	4780	0.264	ug/l	66
81) trans-1,4-Dichloro-2-b...	12.674	75	129183	52.673	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.310	105	11302	0.625	ug/l	86
85) sec-Butylbenzene	13.527	105	61110	2.804	ug/l	100
86) p-Isopropyltoluene	13.521	119	45195	2.567	ug/l #	1
95) Naphthalene	15.427	128	10774	0.543	ug/l #	49
96) 1,2,3-Trichlorobenzene	15.639	180	5215	1.029	ug/l #	12

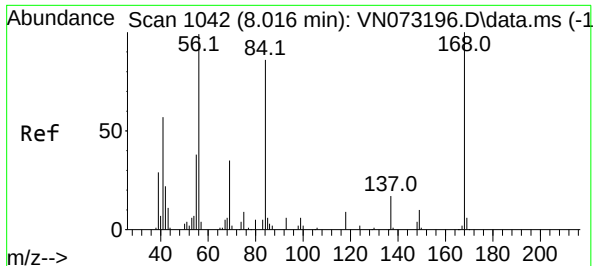
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063022\
Data File : VN073271.D
Acq On : 30 Jun 2022 17:26
Operator : JC\MD
Sample : N3524-04
Misc : 1.15g/10mL/100uL/5.0mL/MeOH
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

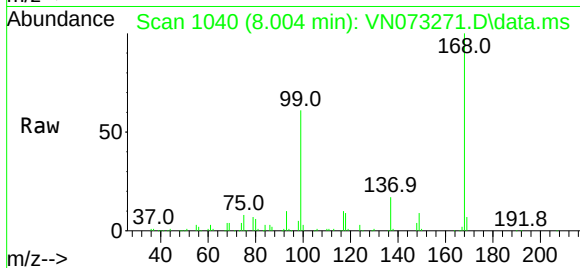
Quant Time: Jul 01 08:08:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration



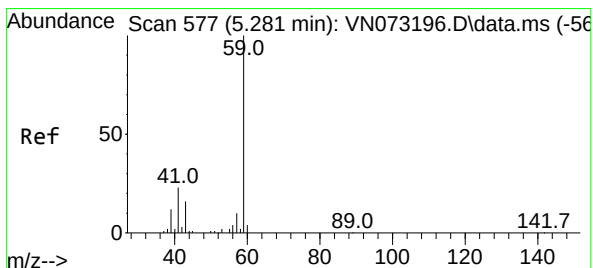
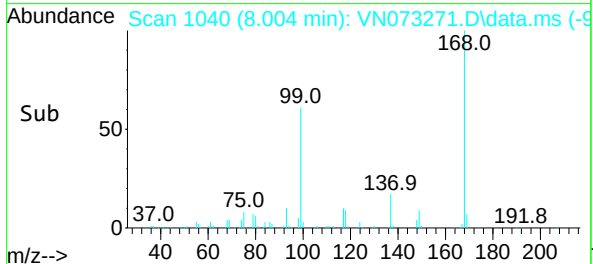
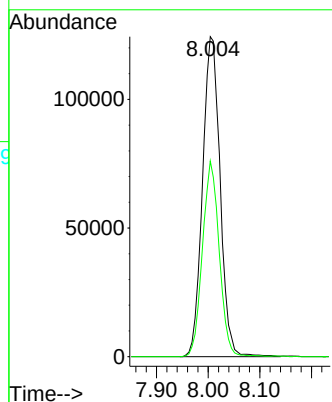


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

Instrument :
MSVOA_N
ClientSampleId :

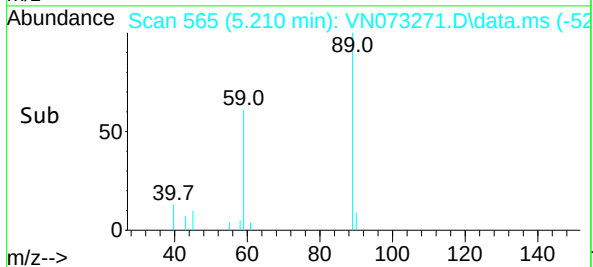
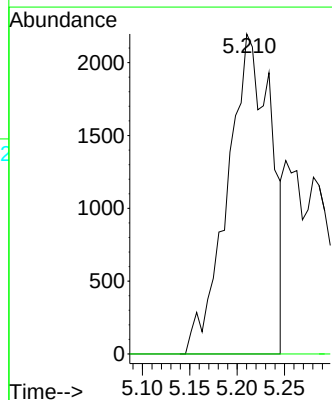
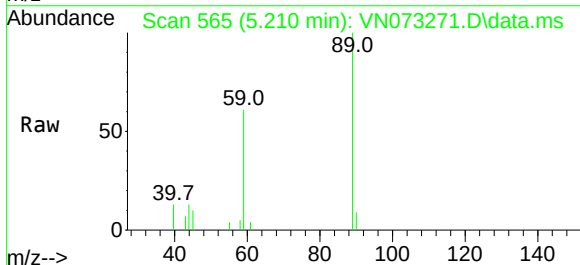


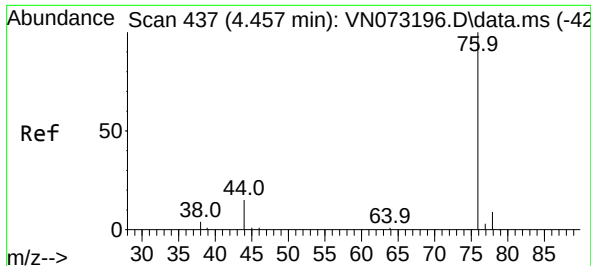
Tgt Ion:168 Resp: 293613
Ion Ratio Lower Upper
168 100
99 61.1 42.3 63.5



#11
Tert butyl alcohol
Concen: 6.870 ug/l
RT: 5.210 min Scan# 565
Delta R.T. -0.071 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

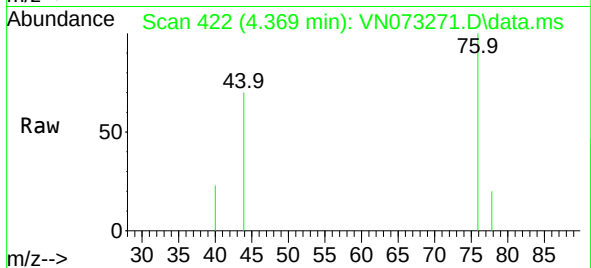
Tgt Ion: 59 Resp: 7054
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



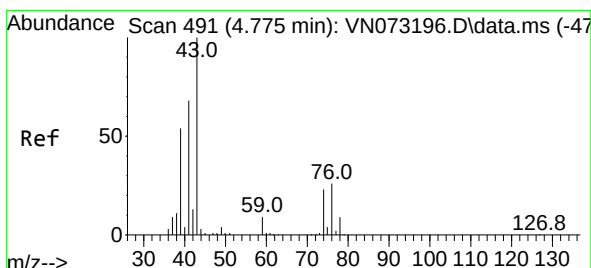
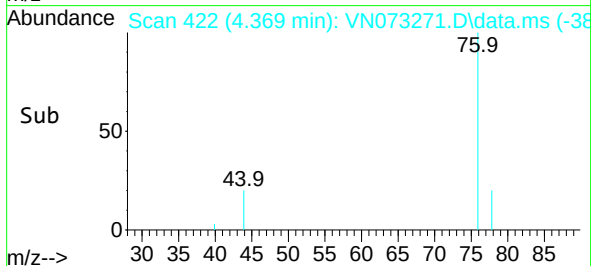
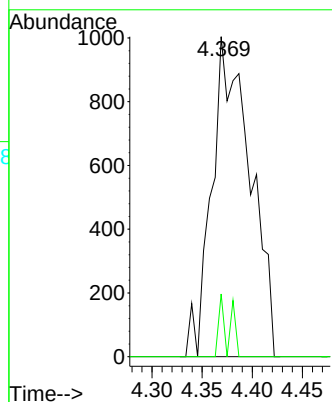


#17
Carbon Disulfide
Concen: 0.298 ug/l
RT: 4.369 min Scan# 41
Delta R.T. -0.088 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

Instrument :
MSVOA_N
ClientSampleId :

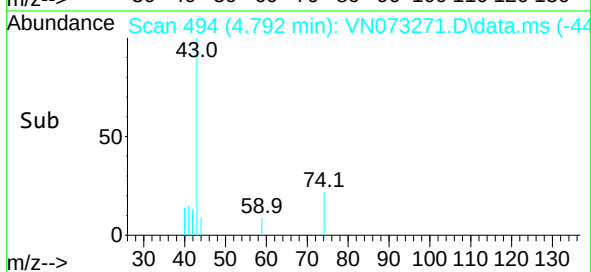
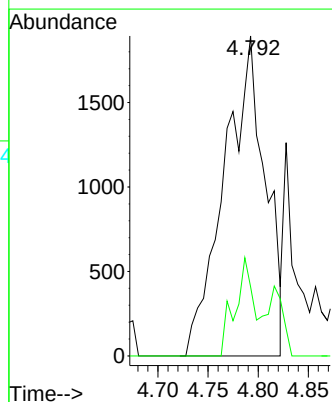
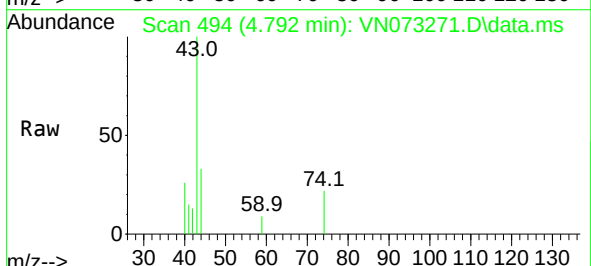


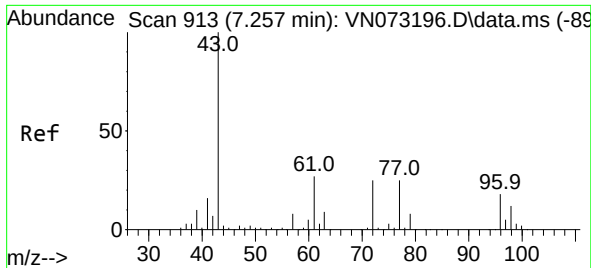
Tgt Ion: 76 Resp: 2670
Ion Ratio Lower Upper
76 100
78 19.6 7.2 10.8#



#18
Methyl Acetate
Concen: 0.805 ug/l
RT: 4.792 min Scan# 494
Delta R.T. 0.017 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

Tgt Ion: 43 Resp: 5366
Ion Ratio Lower Upper
43 100
74 15.0 21.6 32.4#

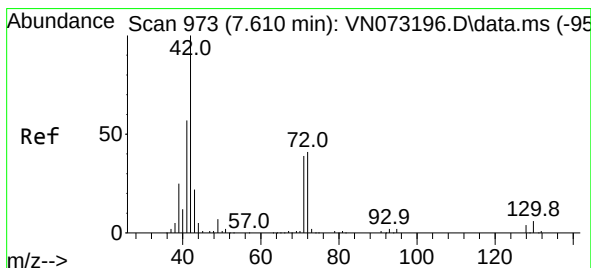
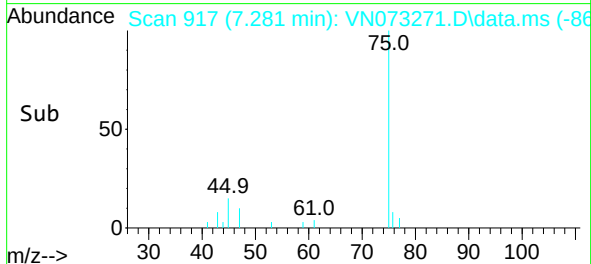
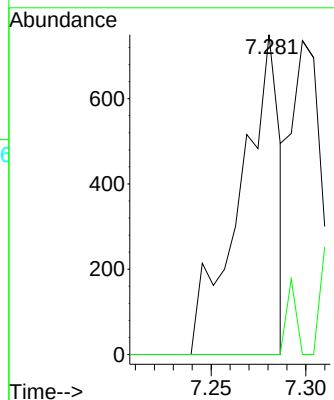
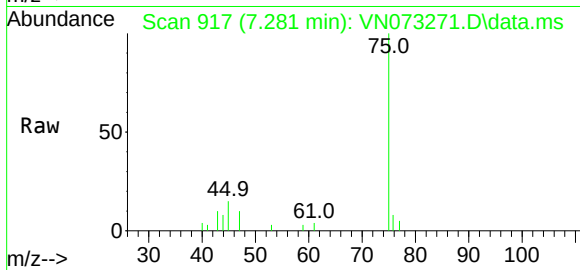




#25
2-Butanone
Concen: 0.291 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.024 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

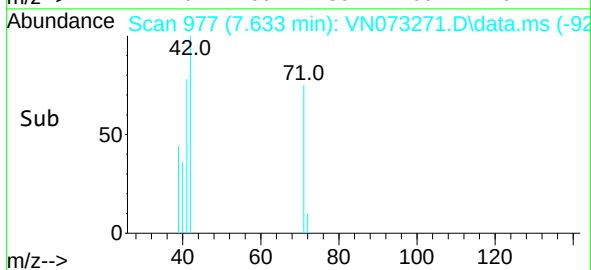
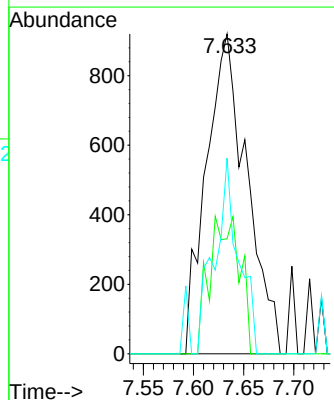
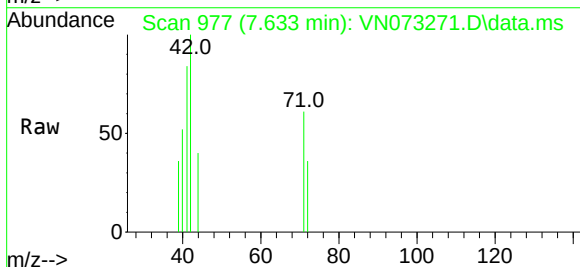
Instrument :
MSVOA_N
ClientSampleId :

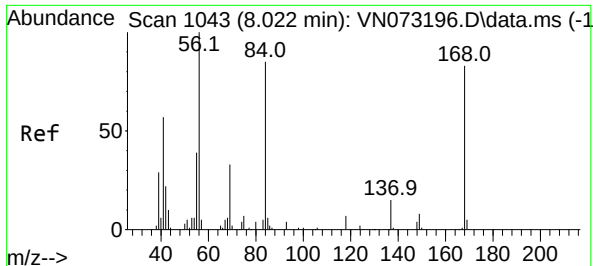
Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.000 ug/l
RT: 7.633 min Scan# 977
Delta R.T. 0.023 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

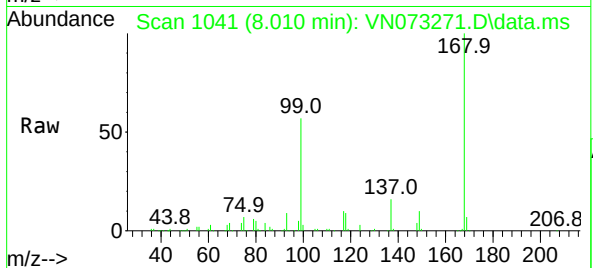
Tgt Ion: 42 Resp: 2594
Ion Ratio Lower Upper
42 100
72 32.0 39.7 59.5#
71 36.5 36.6 55.0#



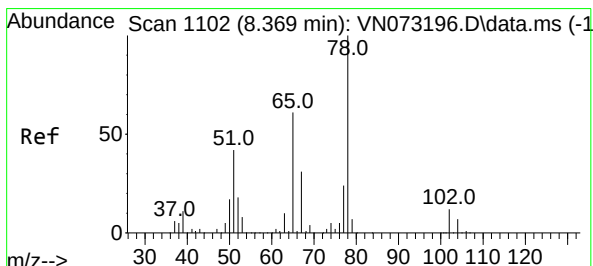
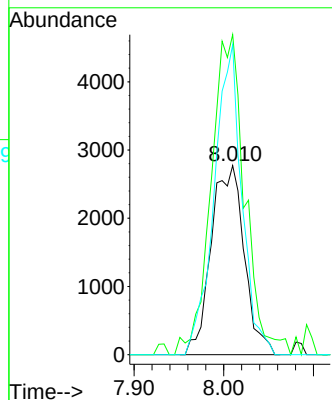
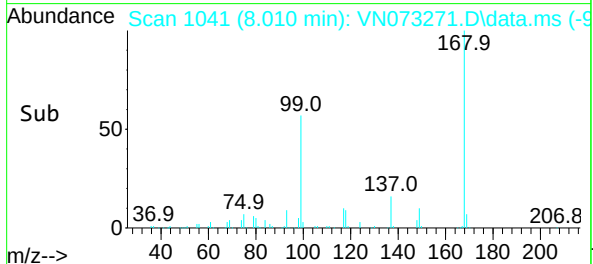


#31
Cyclohexane
Concen: 1.019 ug/l
RT: 8.010 min Scan# 1101
Delta R.T. -0.012 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

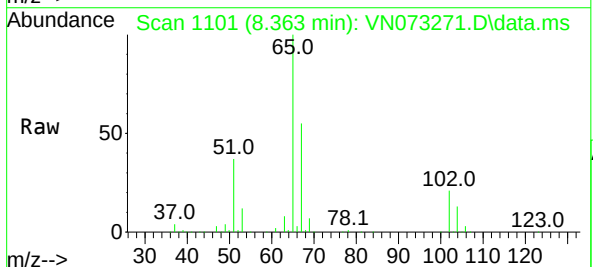
Instrument :
MSVOA_N
ClientSampleId :



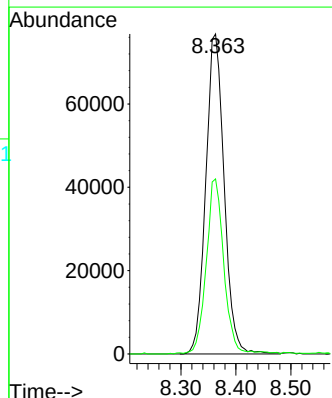
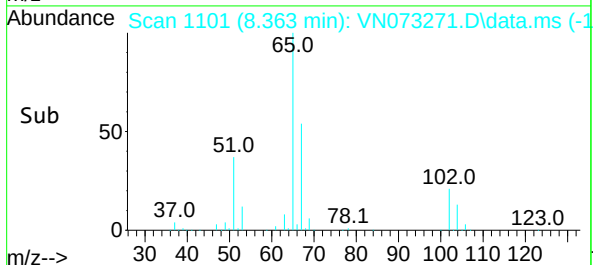
Tgt Ion: 56 Resp: 7076
Ion Ratio Lower Upper
56 100
69 161.5 27.8 41.8#
84 163.8 76.9 115.3#

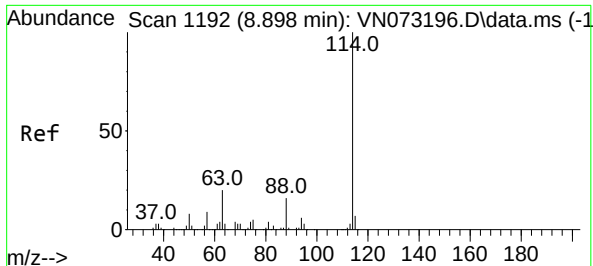


#33
1,2-Dichloroethane-d4
Concen: 41.989 ug/l
RT: 8.363 min Scan# 1101
Delta R.T. -0.006 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26



Tgt Ion: 65 Resp: 177974
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.892 min Scan# 1192

Delta R.T. -0.006 min

Lab File: VN073271.D

Acq: 30 Jun 2022 17:26

Instrument :

MSVOA_N

ClientSampleId :

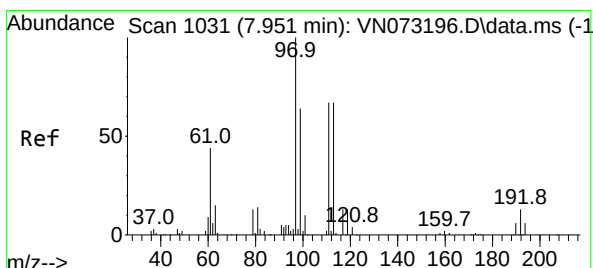
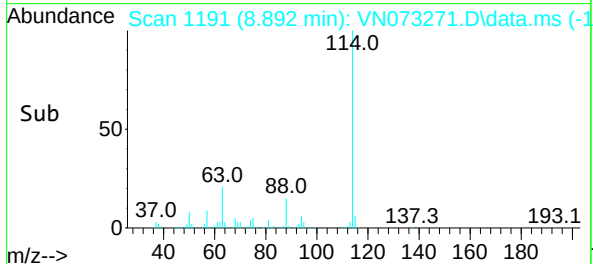
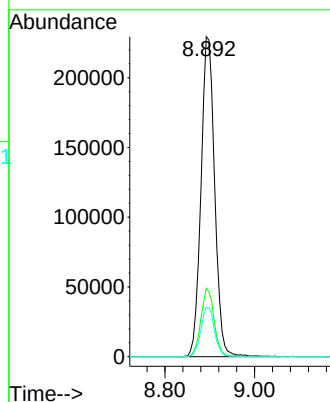
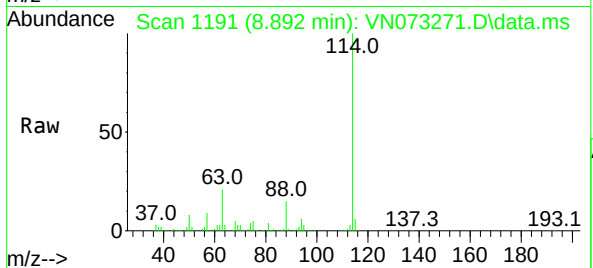
Tgt Ion:114 Resp: 485042

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.0

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.456 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN073271.D

Acq: 30 Jun 2022 17:26

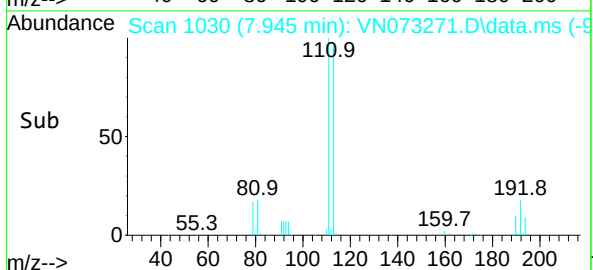
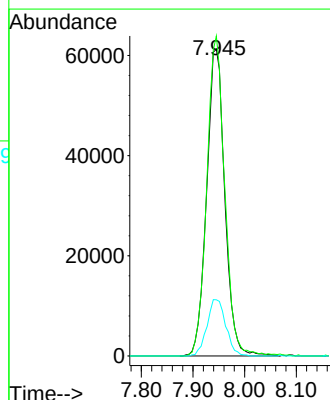
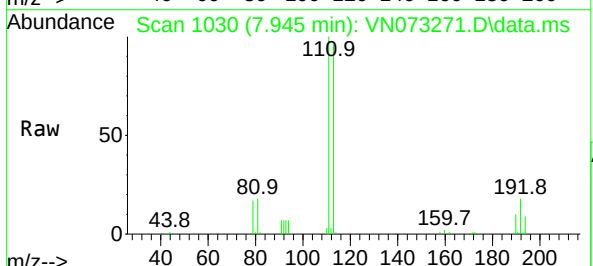
Tgt Ion:113 Resp: 149915

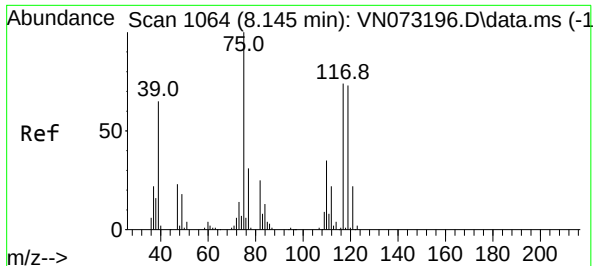
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 19.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 8.004 min Scan# 1040

Delta R.T. -0.141 min

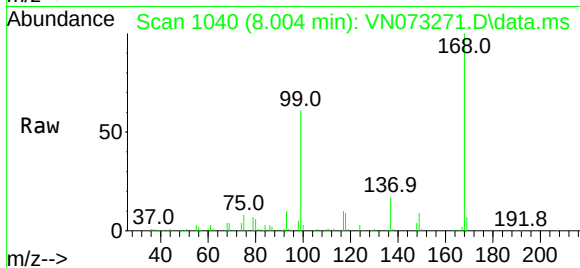
Lab File: VN073271.D

Acq: 30 Jun 2022 17:26

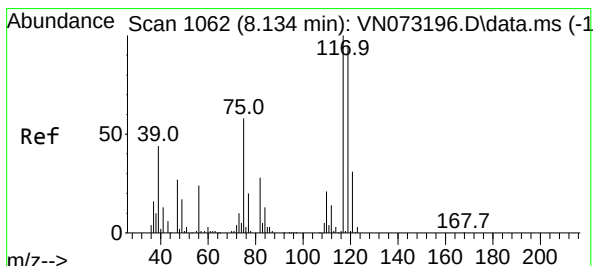
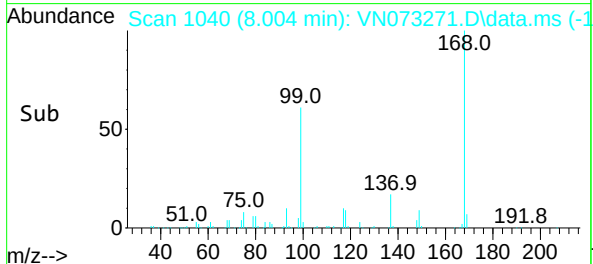
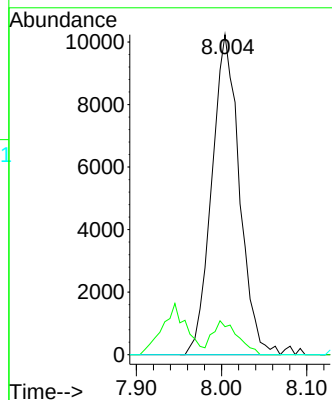
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	23090
Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 5.761 ug/l

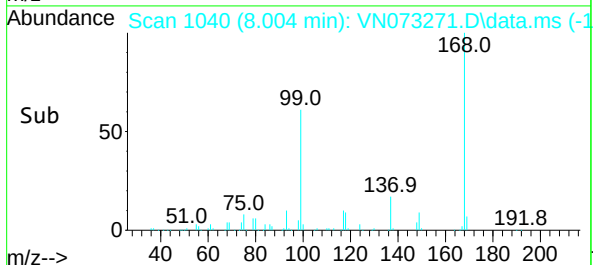
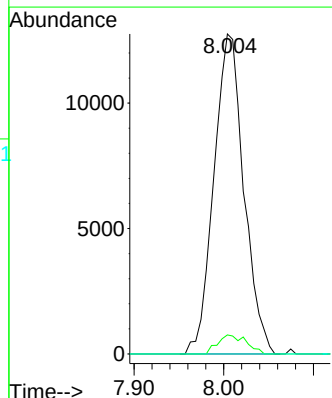
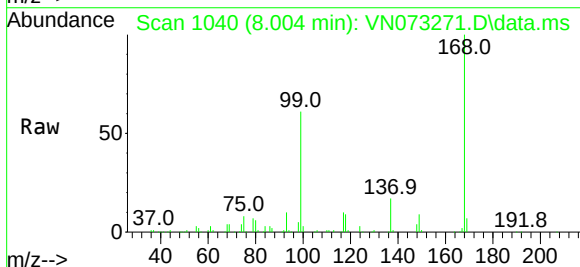
RT: 8.004 min Scan# 1040

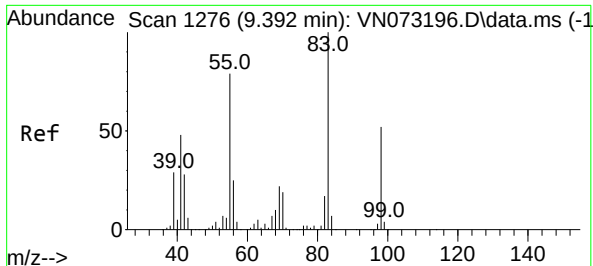
Delta R.T. -0.130 min

Lab File: VN073271.D

Acq: 30 Jun 2022 17:26

Tgt Ion:	117	Resp:	29580
Ion	Ratio	Lower	Upper
117	100		
119	5.9	75.8	113.8#
121	0.0	24.6	37.0#





#39

Methylcyclohexane

Concen: 0.219 ug/l

RT: 9.386 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN073271.D

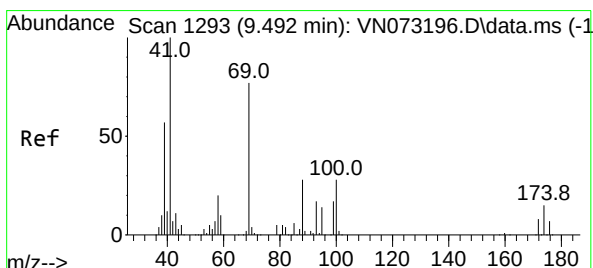
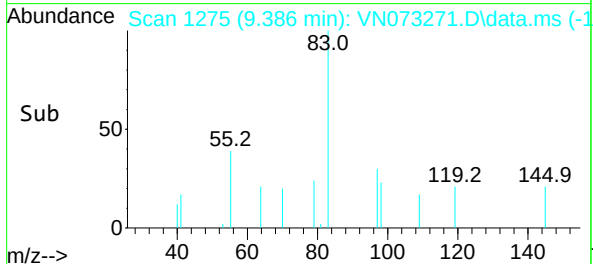
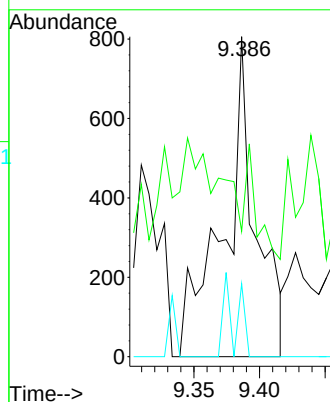
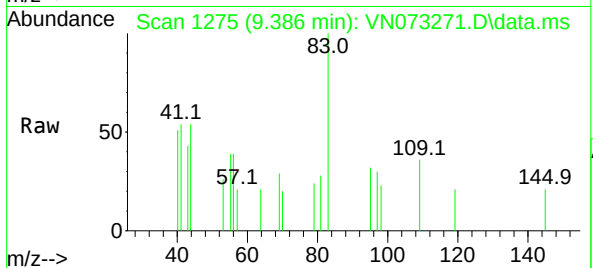
Acq: 30 Jun 2022 17:26

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 83	Resp: 1356
Ion Ratio	Lower Upper
83 100	
55 8.8	57.8 86.8#
98 22.8	39.4 59.2#



#48

Methyl methacrylate

Concen: 4.121 ug/l

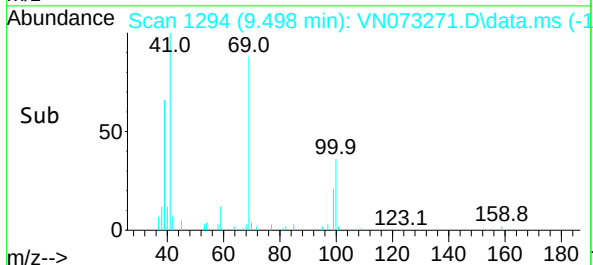
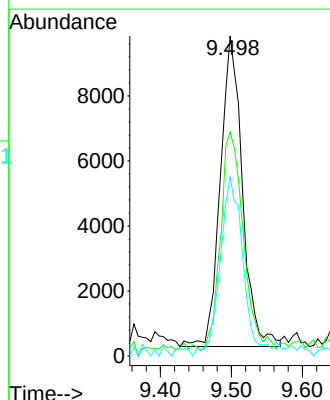
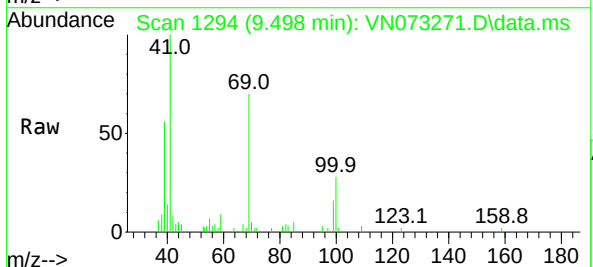
RT: 9.498 min Scan# 1294

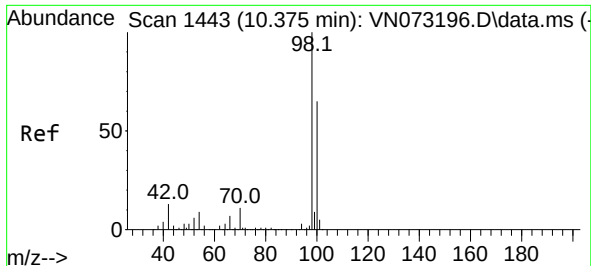
Delta R.T. 0.006 min

Lab File: VN073271.D

Acq: 30 Jun 2022 17:26

Tgt Ion: 41	Resp: 20573
Ion Ratio	Lower Upper
41 100	
69 72.7	74.7 112.1#
39 59.9	45.6 68.4

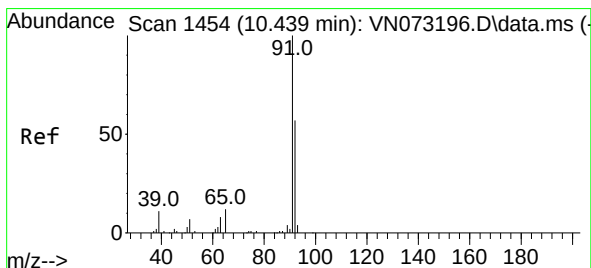
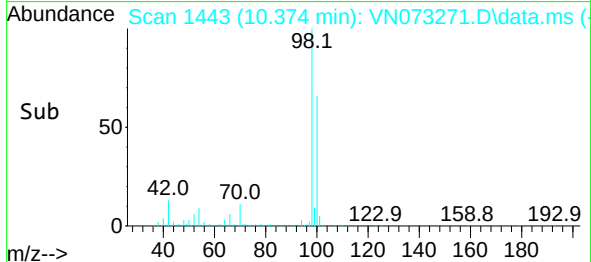
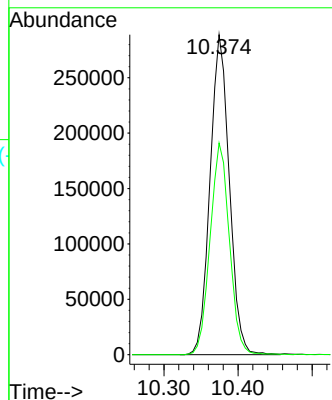
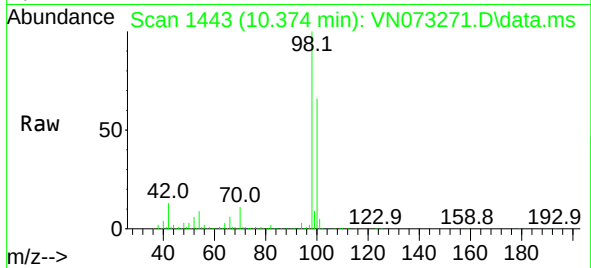




#50
Toluene-d8
Concen: 45.523 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.001 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

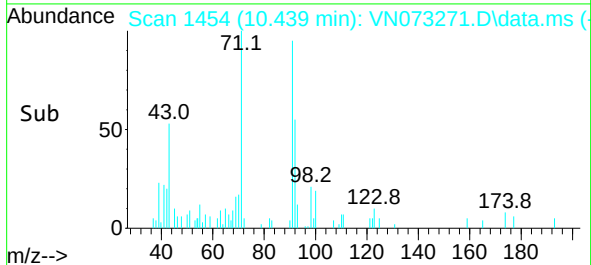
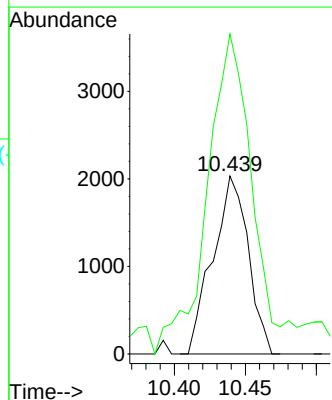
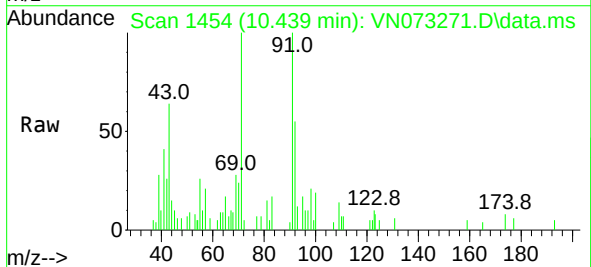
Instrument :
MSVOA_N
ClientSampleId :

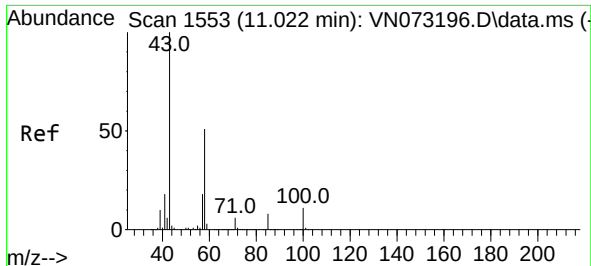
Tgt Ion: 98 Resp: 521754
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#52
Toluene
Concen: 0.372 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

Tgt Ion: 92 Resp: 3526
Ion Ratio Lower Upper
92 100
91 223.5 138.6 207.8#

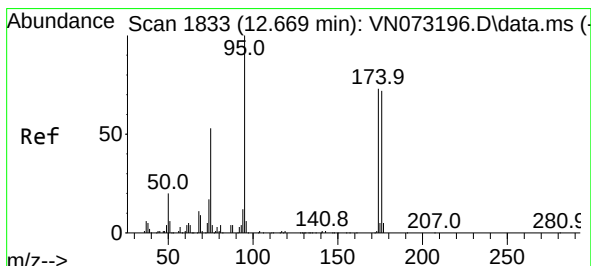
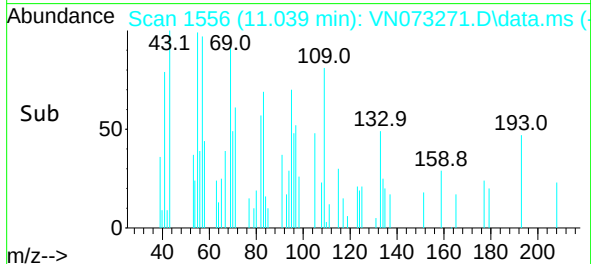
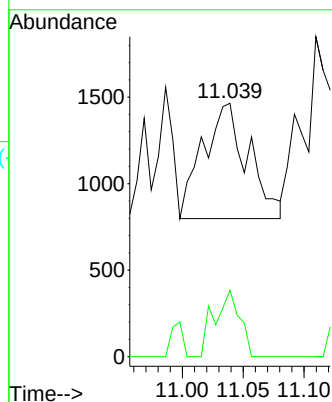
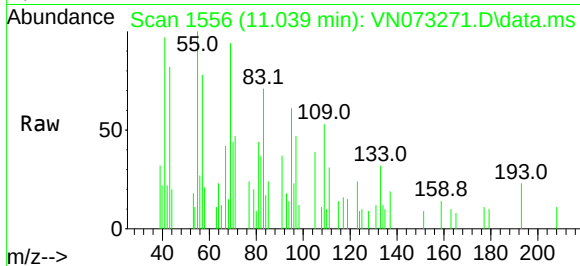




#59
2-Hexanone
Concen: 0.331 ug/l
RT: 11.039 min Scan# 1155
Delta R.T. 0.017 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

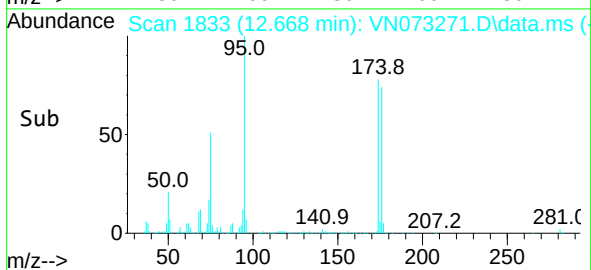
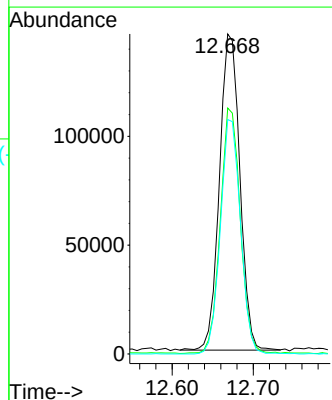
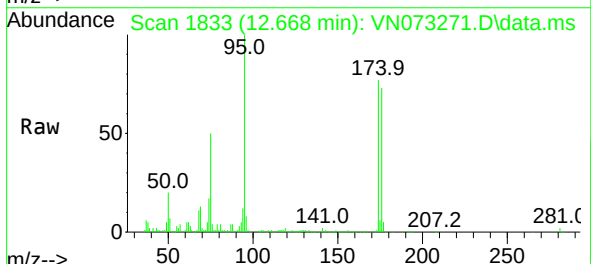
Instrument :
MSVOA_N
ClientSampleId :

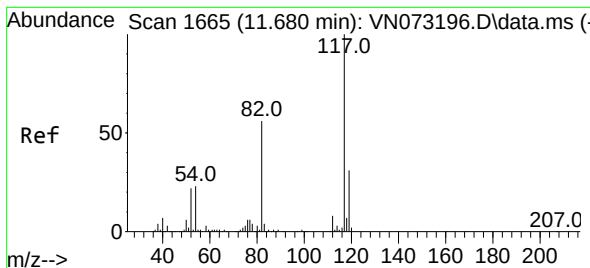
Tgt Ion: 43 Resp: 1724
Ion Ratio Lower Upper
43 100
58 32.3 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 57.610 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

Tgt Ion: 95 Resp: 253746
Ion Ratio Lower Upper
95 100
174 76.5 0.0 167.6
176 73.1 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.006 min

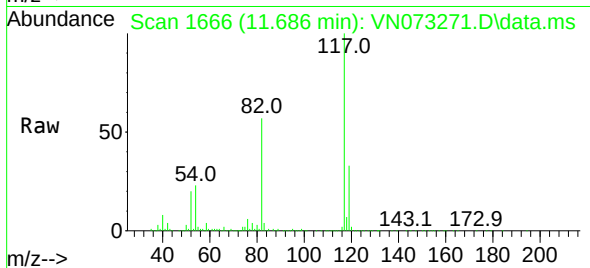
Lab File: VN073271.D

Acq: 30 Jun 2022 17:26

Instrument :

MSVOA_N

ClientSampleId :



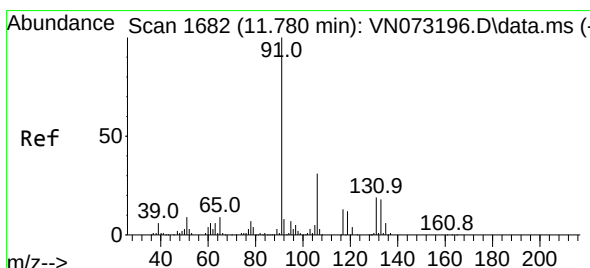
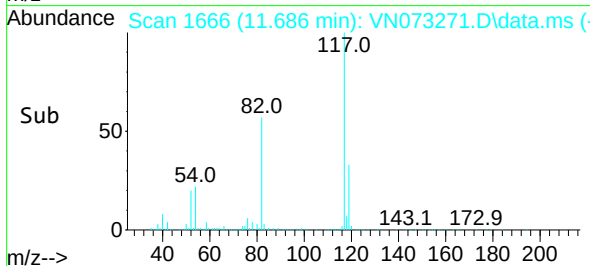
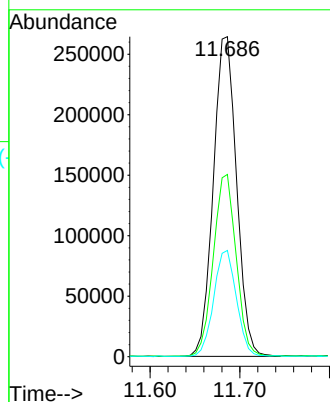
Tgt Ion:117 Resp: 476037

Ion Ratio Lower Upper

117 100

82 56.8 44.2 66.2

119 33.1 25.4 38.0



#67

Ethyl Benzene

Concen: 0.285 ug/l

RT: 11.780 min Scan# 1682

Delta R.T. 0.000 min

Lab File: VN073271.D

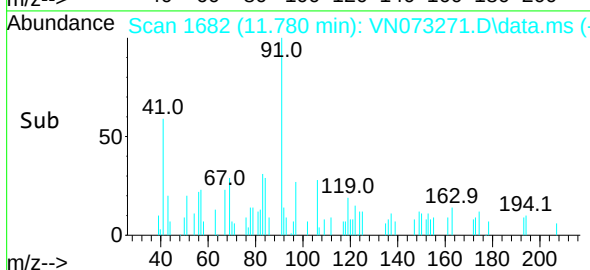
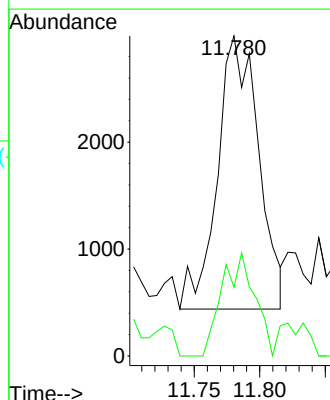
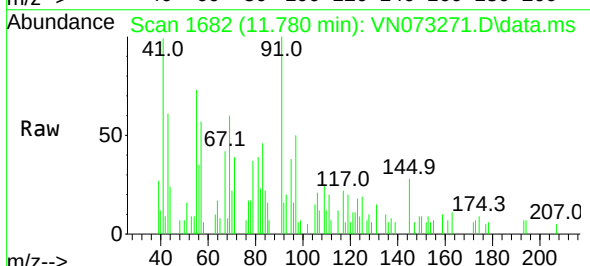
Acq: 30 Jun 2022 17:26

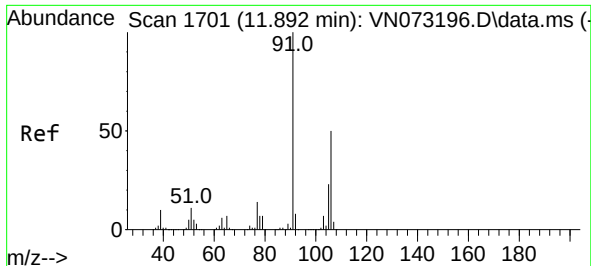
Tgt Ion: 91 Resp: 5571

Ion Ratio Lower Upper

91 100

106 25.1 24.9 37.3

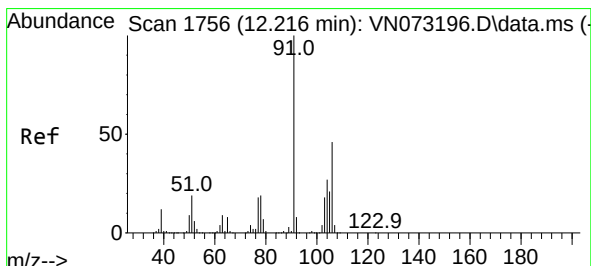
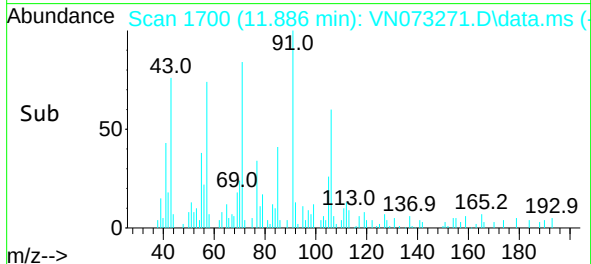
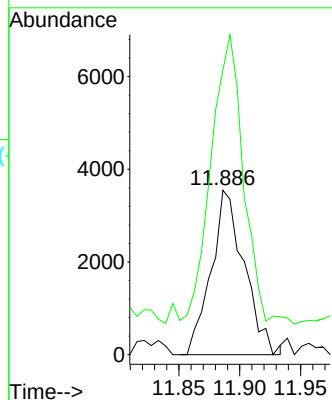
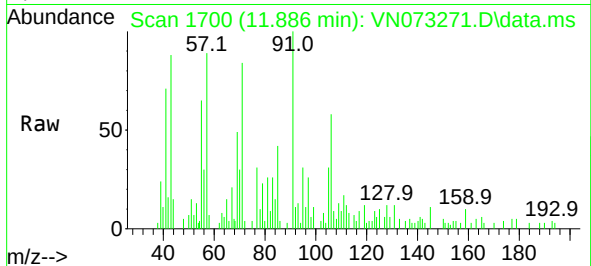




#68
m/p-Xylenes
Concen: 0.911 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

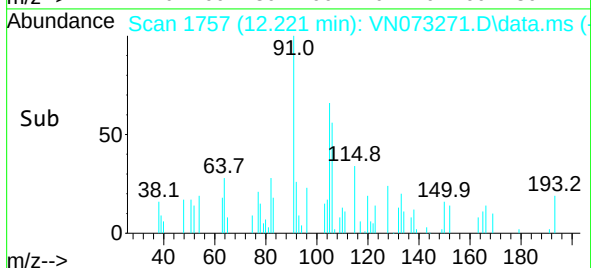
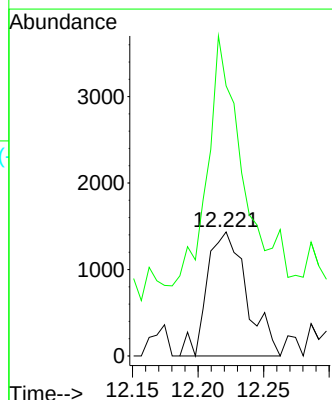
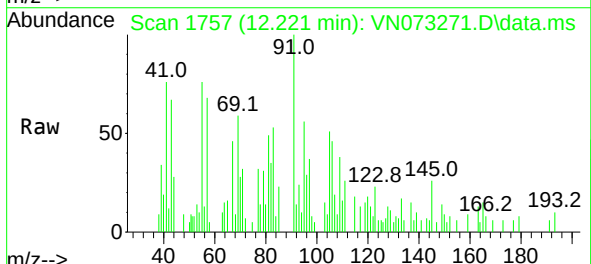
Instrument :
MSVOA_N
ClientSampleId :

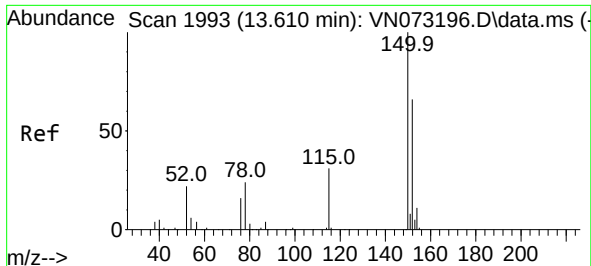
Tgt Ion:106 Resp: 6723
Ion Ratio Lower Upper
106 100
91 179.6 158.9 238.3



#69
o-Xylene
Concen: 0.401 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. 0.005 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

Tgt Ion:106 Resp: 3021
Ion Ratio Lower Upper
106 100
91 190.7 106.0 318.0

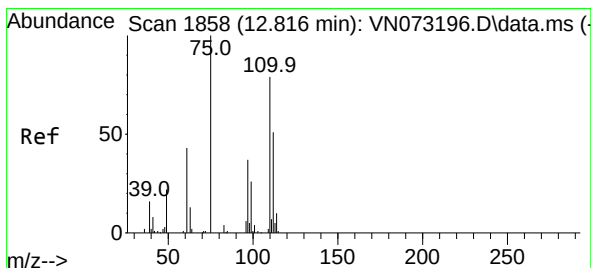
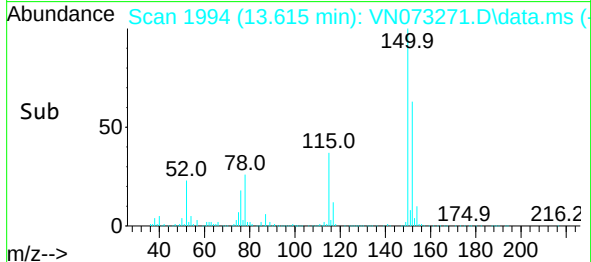
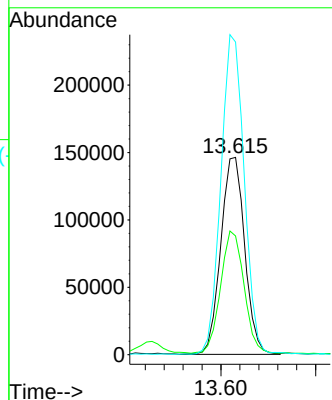
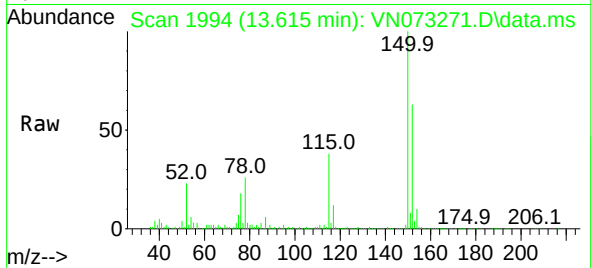




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

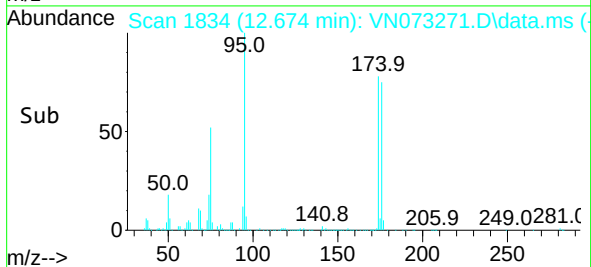
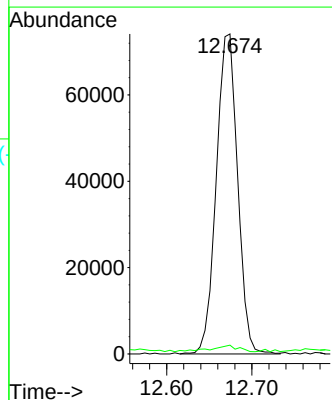
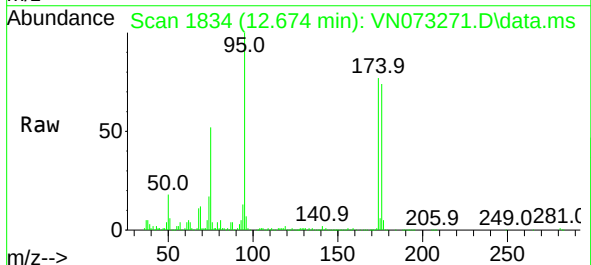
Instrument :
MSVOA_N
ClientSampleId :

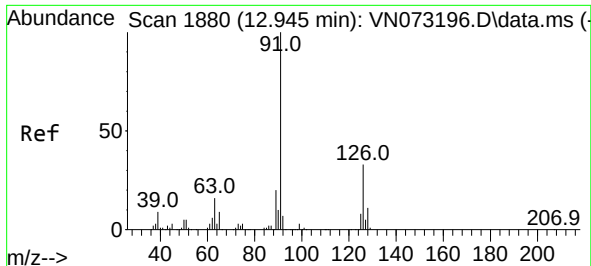
Tgt Ion:152 Resp: 257230
Ion Ratio Lower Upper
152 100
115 61.3 28.9 86.7
150 157.4 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 19.206 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.142 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

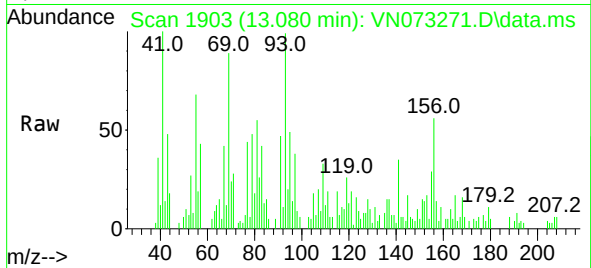
Tgt Ion: 75 Resp: 129183
Ion Ratio Lower Upper
75 100
77 2.6 98.5 295.5#



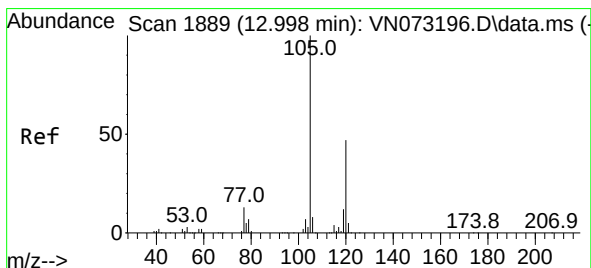
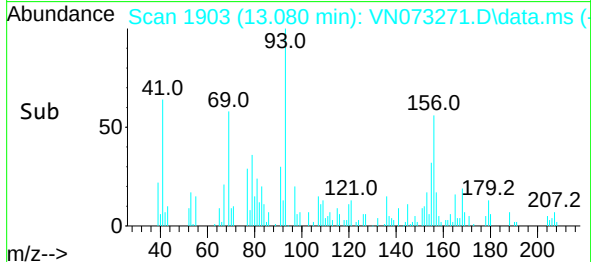
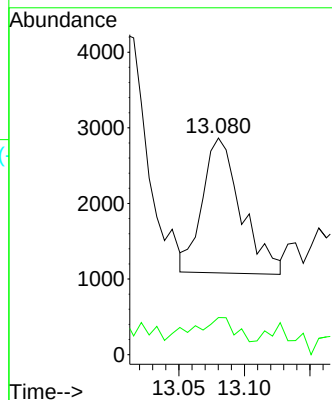


#79
2-Chlorotoluene
Concen: 0.235 ug/l
RT: 13.080 min Scan# 1891
Delta R.T. 0.135 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

Instrument :
MSVOA_N
ClientSampleId :

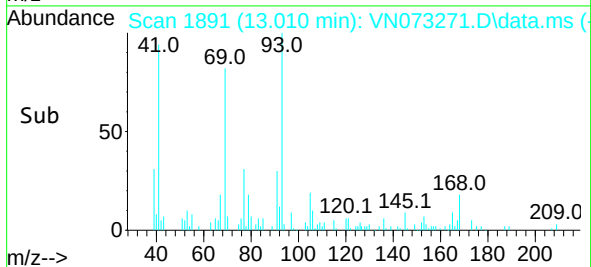
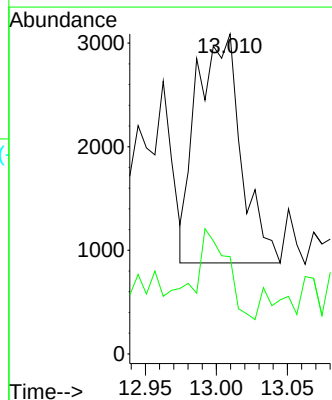
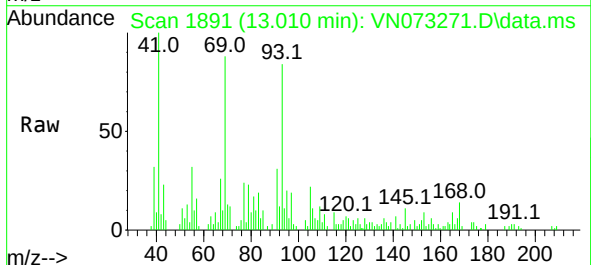


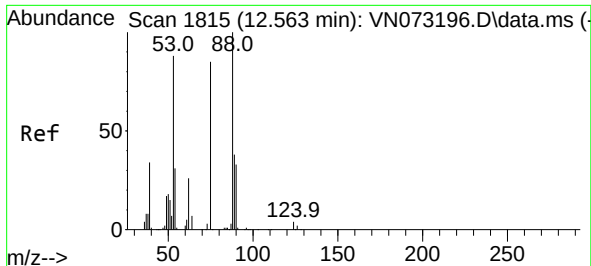
Tgt Ion: 91 Resp: 3673
Ion Ratio Lower Upper
91 100
126 17.6 17.3 51.9



#80
1,3,5-Trimethylbenzene
Concen: 0.264 ug/l
RT: 13.010 min Scan# 1891
Delta R.T. 0.012 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

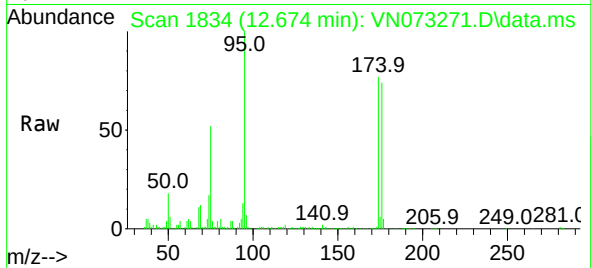
Tgt Ion: 105 Resp: 4780
Ion Ratio Lower Upper
105 100
120 26.7 24.9 74.7



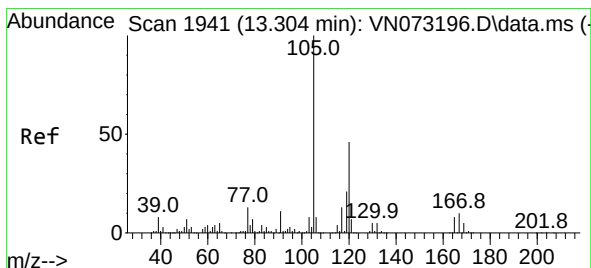
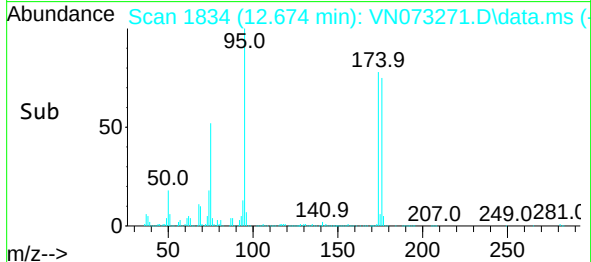
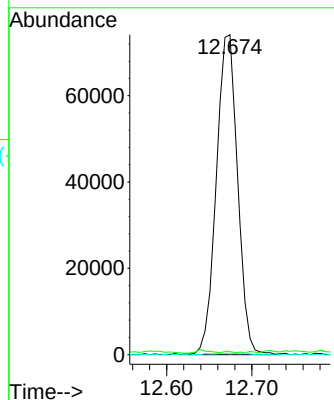


#81
trans-1,4-Dichloro-2-butene
Concen: 52.673 ug/l
RT: 12.674 min Scan# 1815
Delta R.T. 0.111 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

Instrument :
MSVOA_N
ClientSampleId :

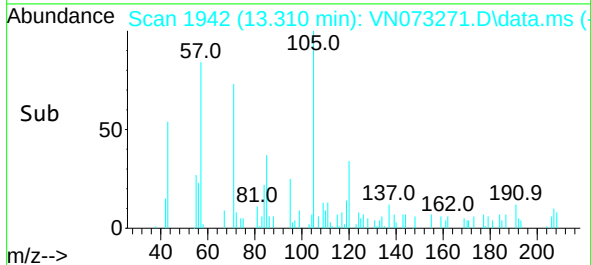
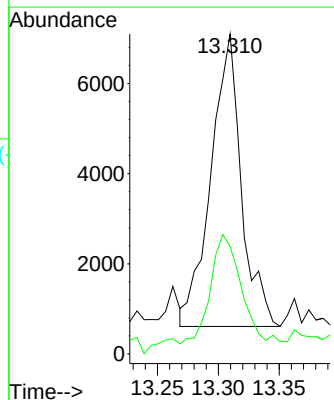
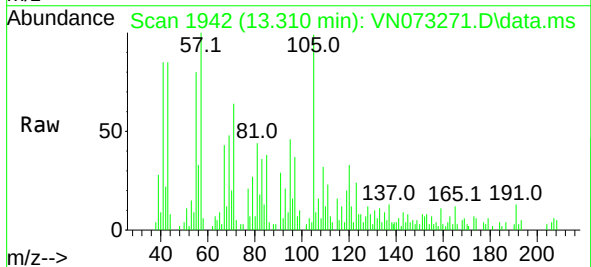


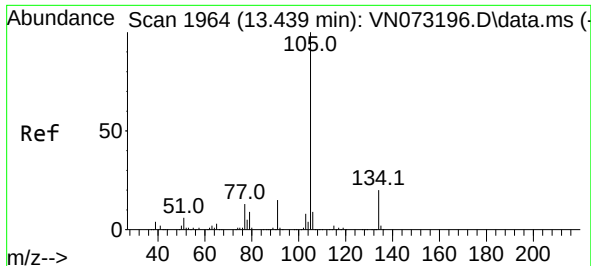
Tgt Ion: 75 Resp: 129183
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.4 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.625 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

Tgt Ion: 105 Resp: 11302
Ion Ratio Lower Upper
105 100
120 37.3 23.3 69.8

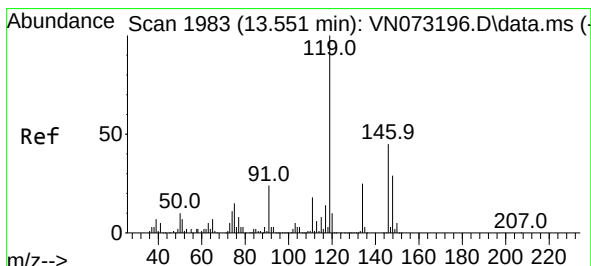
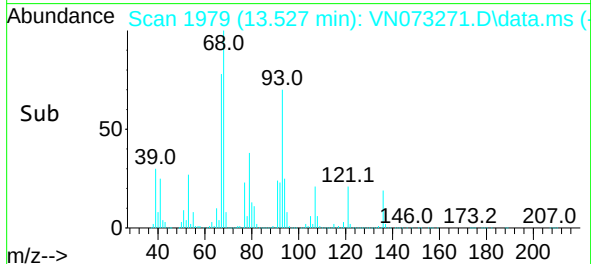
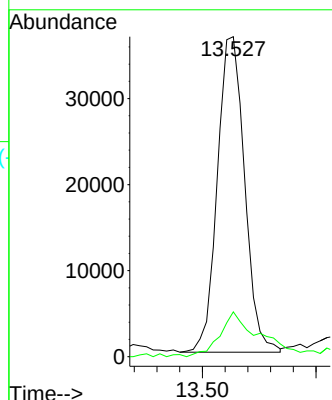
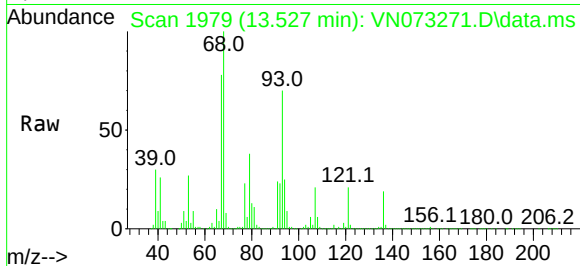




#85
 sec-Butylbenzene
 Concen: 2.804 ug/l
 RT: 13.527 min Scan# 1979
 Delta R.T. 0.088 min
 Lab File: VN073271.D
 Acq: 30 Jun 2022 17:26

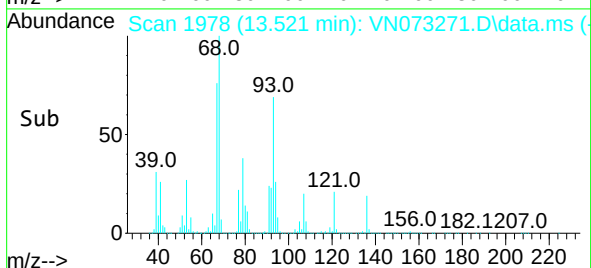
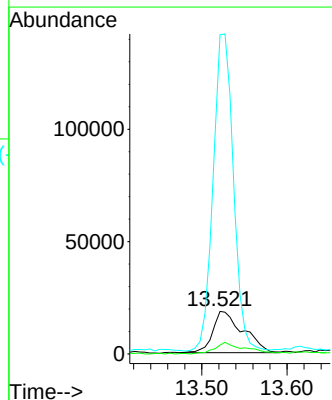
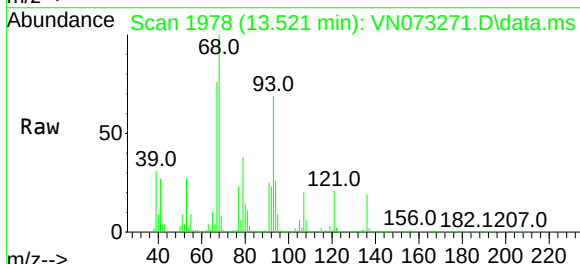
Instrument :
 MSVOA_N
 ClientSampleId :

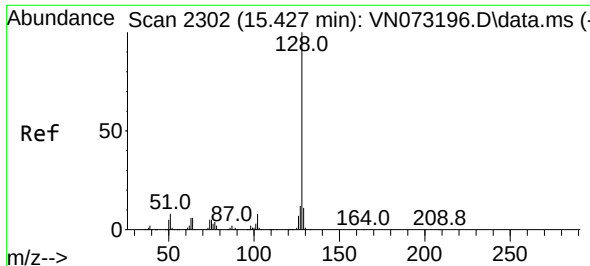
Tgt Ion:105 Resp: 61110
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 2.567 ug/l
 RT: 13.521 min Scan# 1978
 Delta R.T. -0.030 min
 Lab File: VN073271.D
 Acq: 30 Jun 2022 17:26

Tgt Ion:119 Resp: 45195
 Ion Ratio Lower Upper
 119 100
 134 28.2 13.3 39.8
 91 518.8 11.3 33.9#

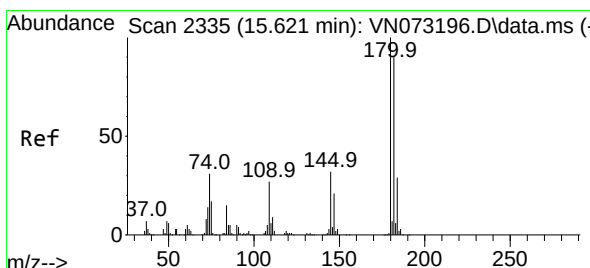
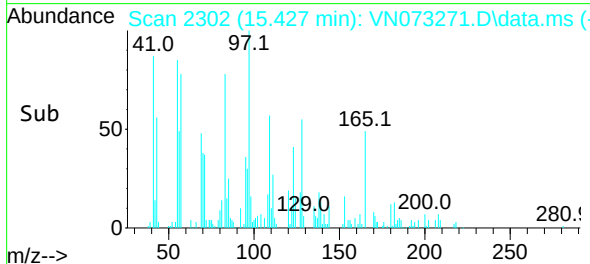
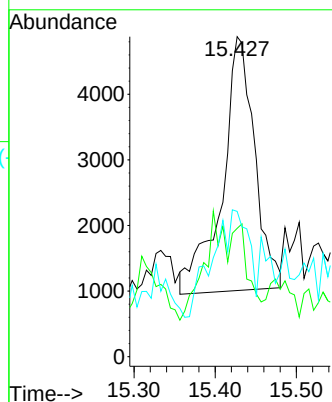
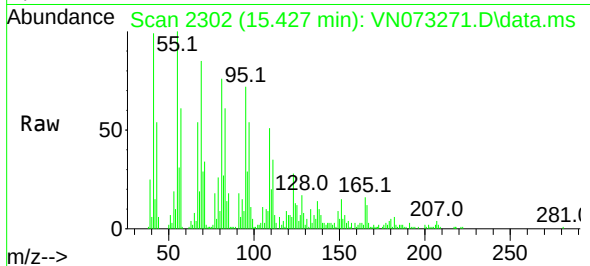




#95
Naphthalene
Concen: 0.543 ug/l
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 10774
Ion Ratio Lower Upper
128 100
127 17.7 10.3 15.5#
129 47.3 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.029 ug/l
RT: 15.639 min Scan# 2338
Delta R.T. 0.018 min
Lab File: VN073271.D
Acq: 30 Jun 2022 17:26

Tgt Ion:180 Resp: 5215
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

