

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063022\
 Data File : VN073261.D
 Acq On : 30 Jun 2022 13:22
 Operator : JC\MD
 Sample : N3554-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 01 08:06:58 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

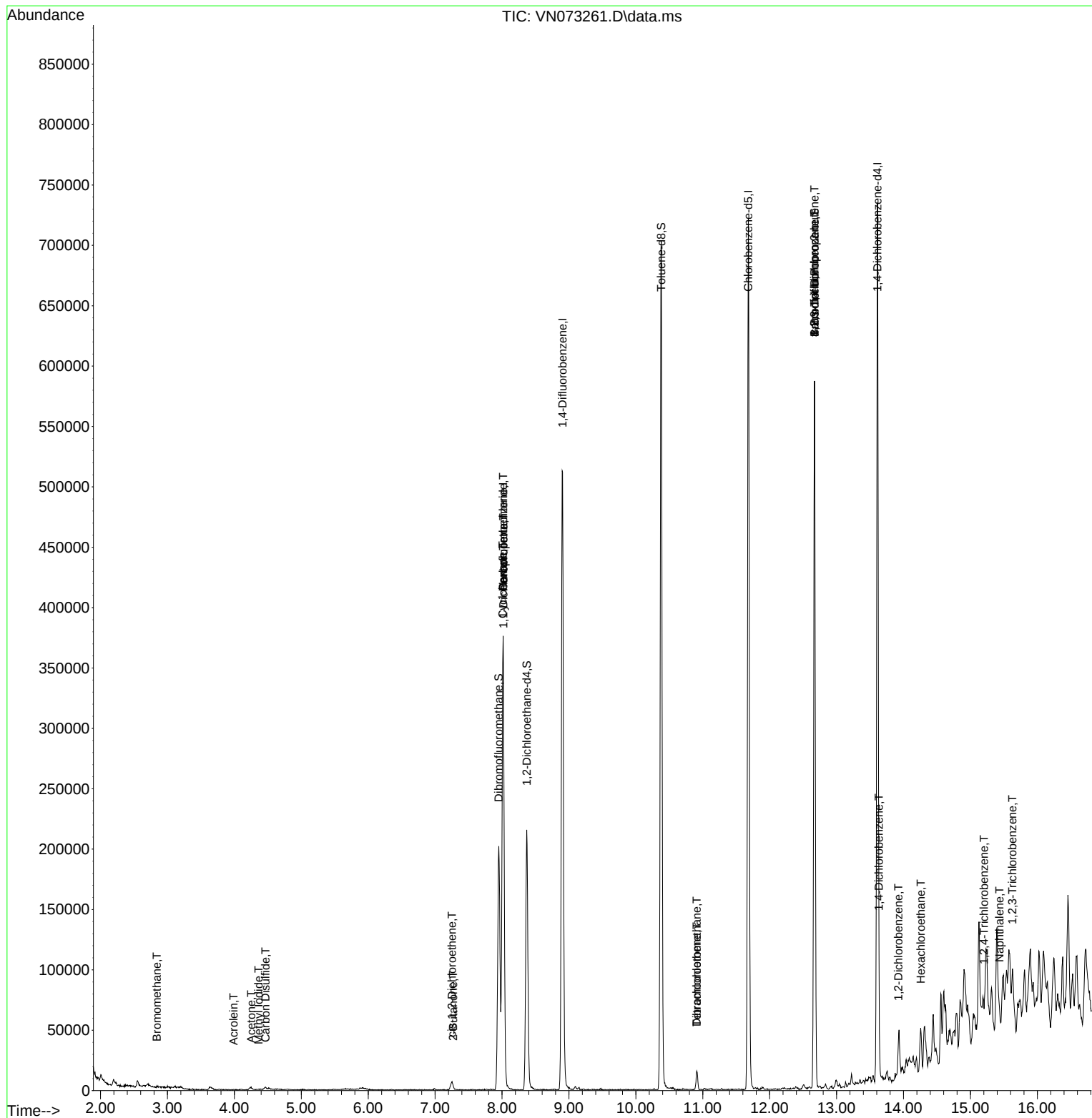
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	282496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	464320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	416748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	188935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	178308	43.723	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.440%
35) Dibromofluoromethane	7.951	113	149603	48.428	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.860%
50) Toluene-d8	10.381	98	489191	44.586	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.180%
62) 4-Bromofluorobenzene	12.669	95	200138	47.467	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.940%
Target Compounds						
					Qvalue	
5) Bromomethane	2.840	94	370	0.230	ug/l #	66
10) Methyl Iodide	4.363	142	560	3.844	ug/l #	44
13) Acrolein	3.987	56	206	0.330	ug/l #	16
16) Acetone	4.252	43	4301	1.879	ug/l #	83
17) Carbon Disulfide	4.463	76	3683	0.427	ug/l #	84
25) 2-Butanone	7.269	43	1315	0.361	ug/l #	45
27) cis-1,2-Dichloroethene	7.251	96	4016	0.954	ug/l	88
31) Cyclohexane	8.010	56	6201	0.928	ug/l #	49
36) 1,1-Dichloropropene	8.022	75	22957	4.830	ug/l #	50
38) Carbon Tetrachloride	8.016	117	29082	5.916	ug/l #	18
60) Dibromochloromethane	10.910	129	3230	0.908	ug/l #	11
64) Tetrachloroethene	10.910	164	3437	1.010	ug/l	93
71) Bromoform	12.669	173	1421	0.560	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	105347	21.324	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	105347	58.481	ug/l #	10
88) 1,4-Dichlorobenzene	13.633	146	5186	0.761	ug/l #	60
90) Hexachloroethane	14.257	117	2530	1.050	ug/l #	9
91) 1,2-Dichlorobenzene	13.921	146	3377	0.487	ug/l #	68
93) 1,2,4-Trichlorobenzene	15.204	180	1285	0.356	ug/l #	1
95) Naphthalene	15.433	128	7129	0.490	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.627	180	2347	0.630	ug/l #	81

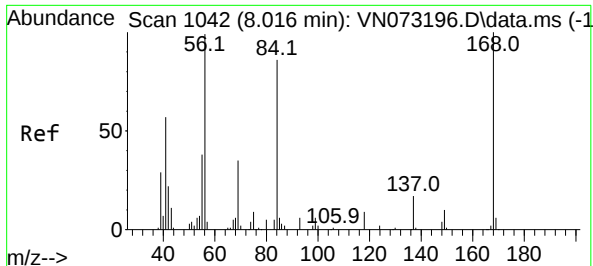
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration

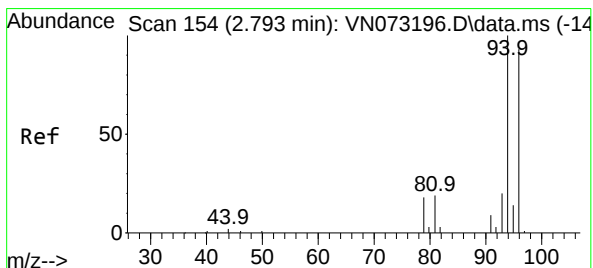
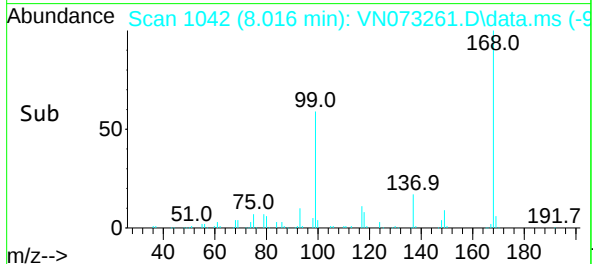
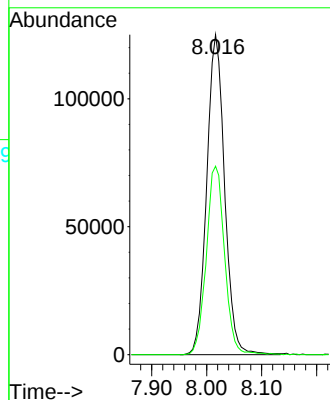
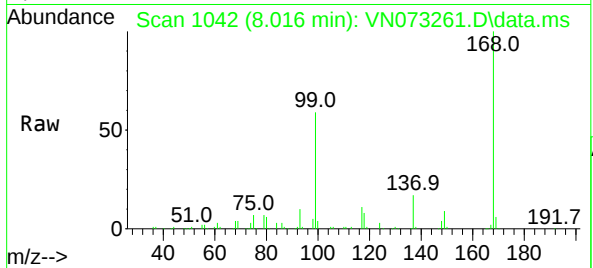




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073261.D
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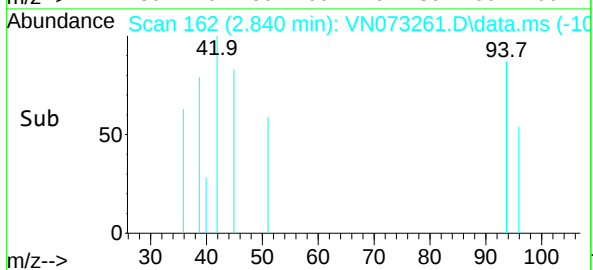
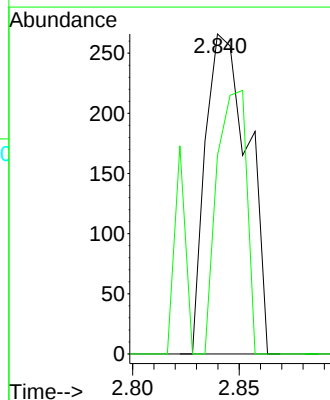
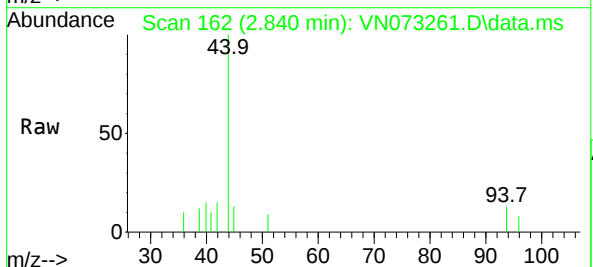
Instrument :
MSVOA_N
ClientSampleId :

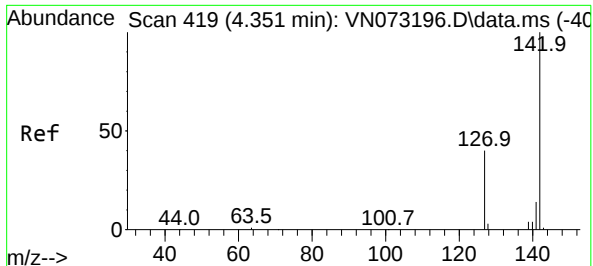
Tgt Ion:168 Resp: 282496
Ion Ratio Lower Upper
168 100
99 58.9 42.3 63.5



#5
Bromomethane
Concen: 0.230 ug/l
RT: 2.840 min Scan# 162
Delta R.T. 0.047 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

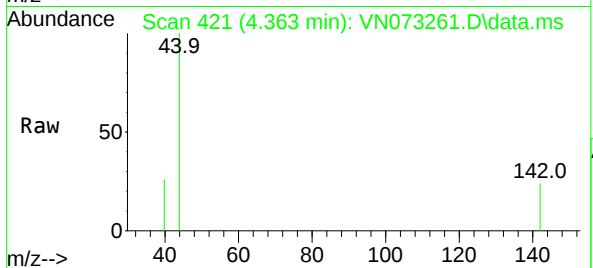
Tgt Ion: 94 Resp: 370
Ion Ratio Lower Upper
94 100
96 62.0 76.0 114.0#



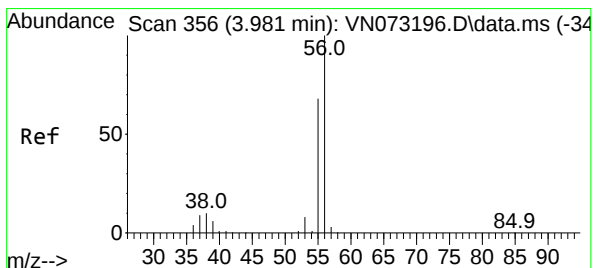
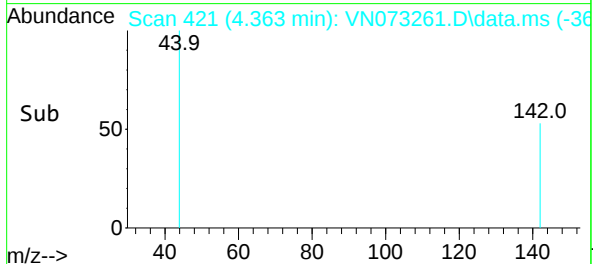
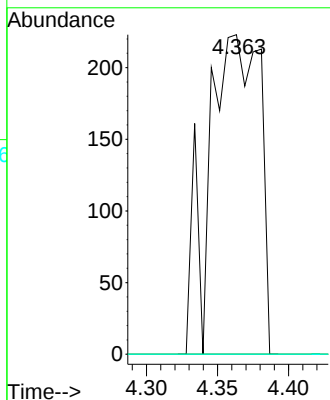


#10
Methyl Iodide
Concen: 3.844 ug/l
RT: 4.363 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

Instrument :
MSVOA_N
ClientSampleId :

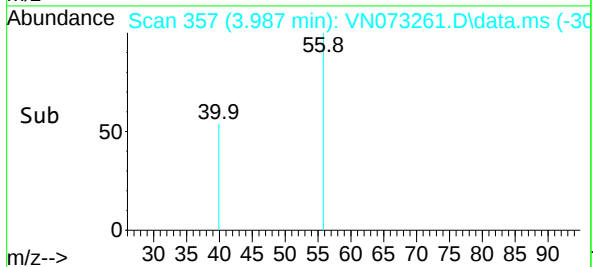
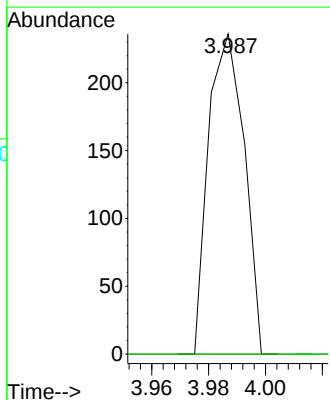
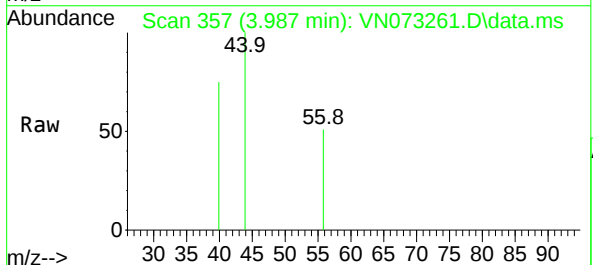


Tgt Ion:142 Resp: 560
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



#13
Acrolein
Concen: 0.330 ug/l
RT: 3.987 min Scan# 357
Delta R.T. 0.006 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

Tgt Ion: 56 Resp: 206
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#





#16

Acetone

Concen: 1.879 ug/l

RT: 4.252 min Scan# 401

Delta R.T. 0.029 min

Lab File: VN073261.D

Acq: 30 Jun 2022 13:22

Instrument :

MSVOA_N

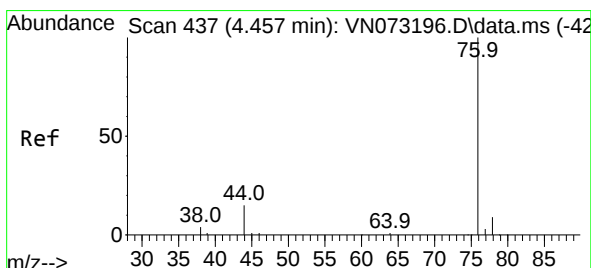
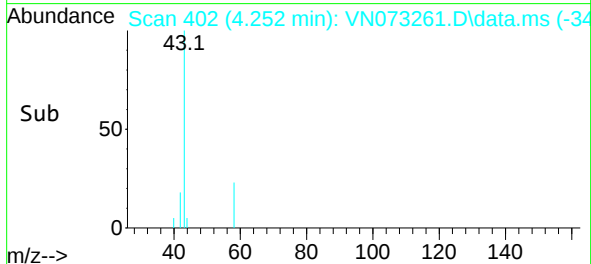
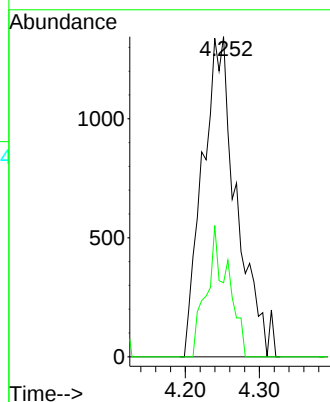
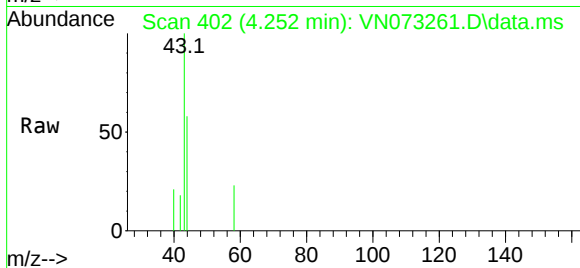
ClientSampleId :

Tgt Ion: 43 Resp: 4301

Ion Ratio Lower Upper

43 100

58 23.1 26.0 39.0#



#17

Carbon Disulfide

Concen: 0.427 ug/l

RT: 4.463 min Scan# 438

Delta R.T. 0.006 min

Lab File: VN073261.D

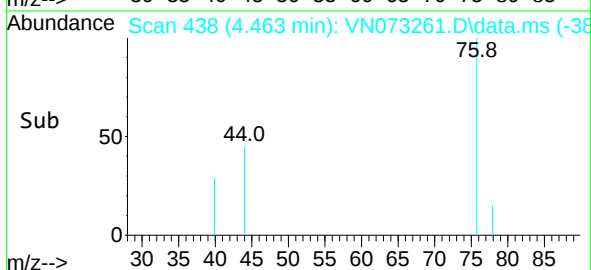
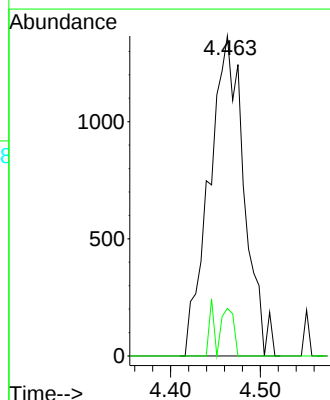
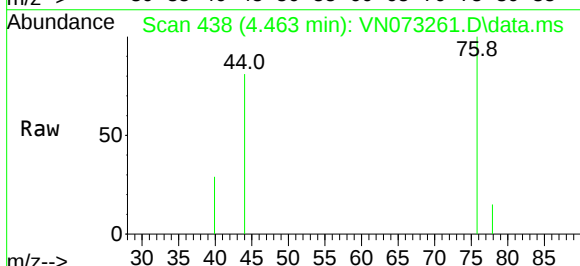
Acq: 30 Jun 2022 13:22

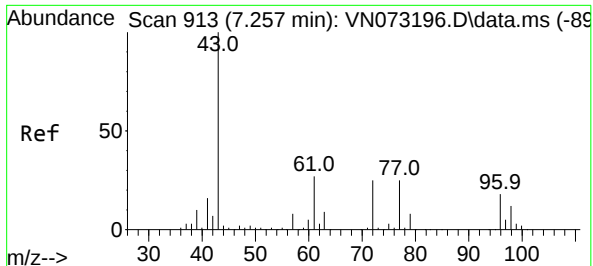
Tgt Ion: 76 Resp: 3683

Ion Ratio Lower Upper

76 100

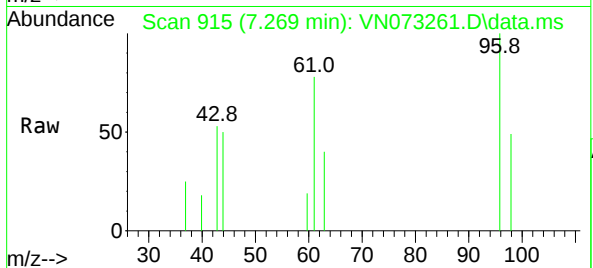
78 14.9 7.2 10.8#



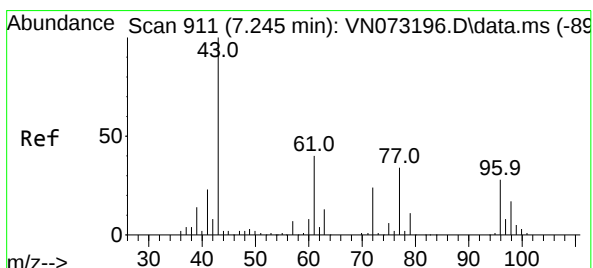
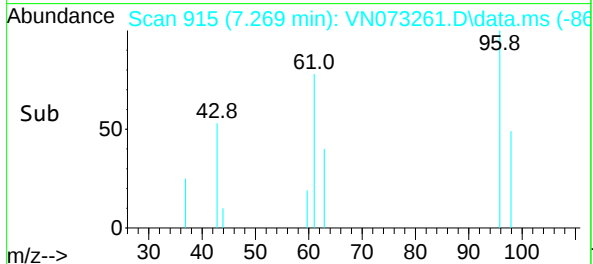
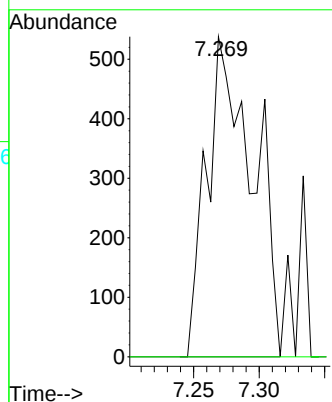


#25
2-Butanone
Concen: 0.361 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

Instrument :
MSVOA_N
ClientSampleId :

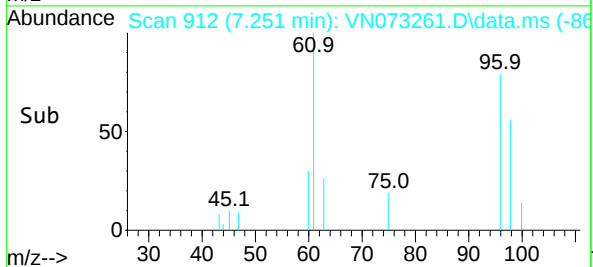
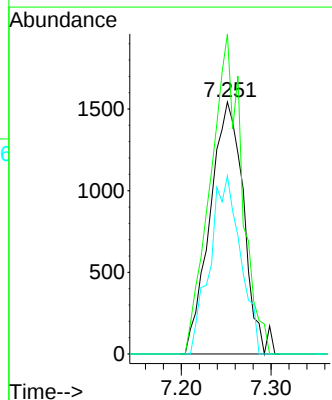
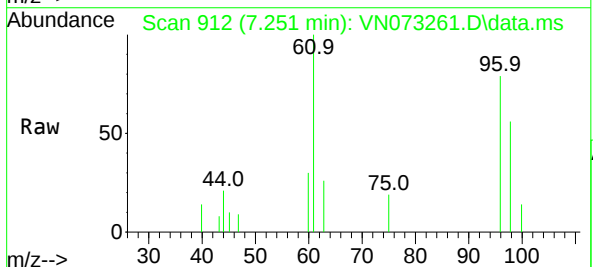


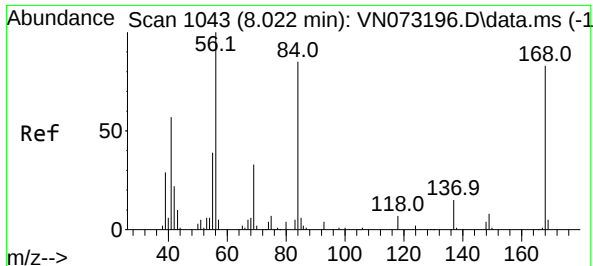
Tgt Ion: 43 Resp: 1315
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 0.954 ug/l
RT: 7.251 min Scan# 912
Delta R.T. 0.006 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

Tgt Ion: 96 Resp: 4016
Ion Ratio Lower Upper
96 100
61 118.8 0.0 280.6
98 64.3 0.0 128.4





#31

Cyclohexane

Concen: 0.928 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

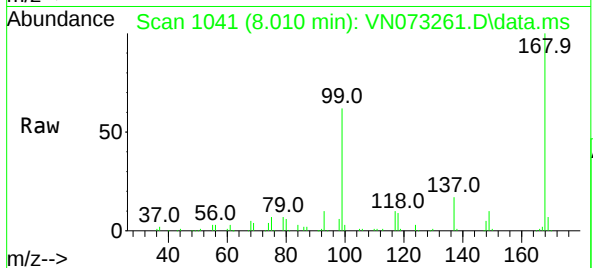
Lab File: VN073261.D

Acq: 30 Jun 2022 13:22

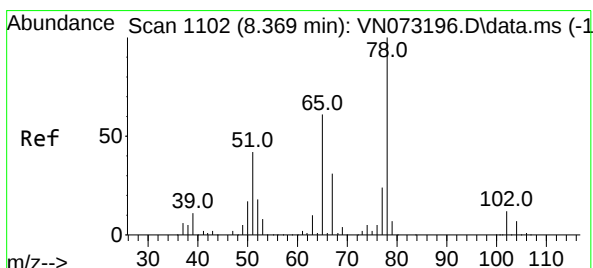
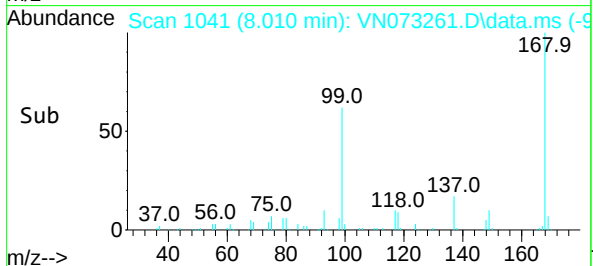
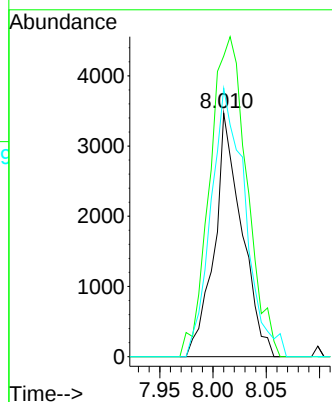
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 6201
Ion Ratio	Lower Upper
56	100
69	123.5 27.8 41.8#
84	110.3 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 43.723 ug/l

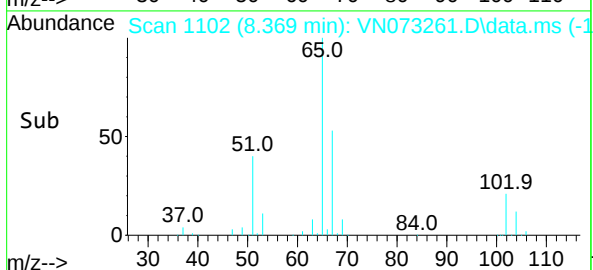
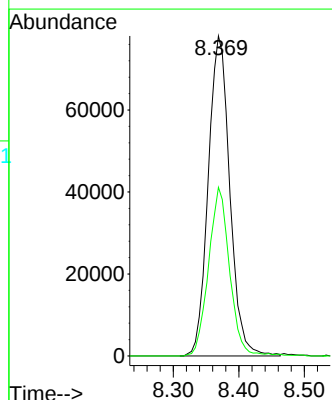
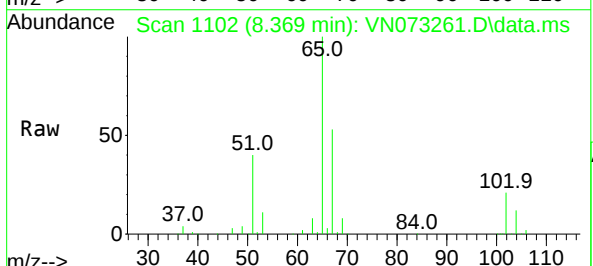
RT: 8.369 min Scan# 1102

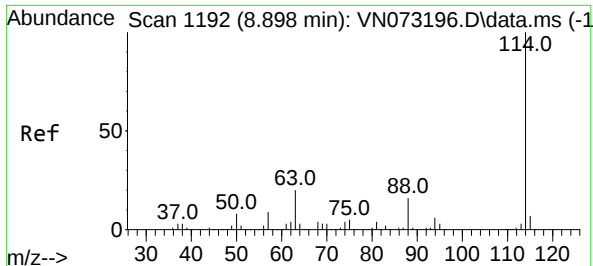
Delta R.T. -0.000 min

Lab File: VN073261.D

Acq: 30 Jun 2022 13:22

Tgt Ion: 65	Resp: 178308
Ion Ratio	Lower Upper
65	100
67	51.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073261.D

Acq: 30 Jun 2022 13:22

Instrument :

MSVOA_N

ClientSampleId :

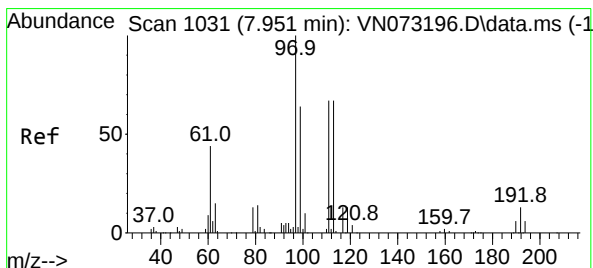
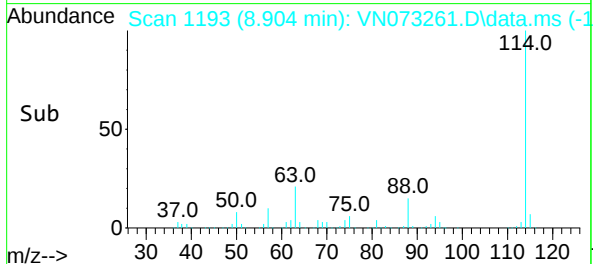
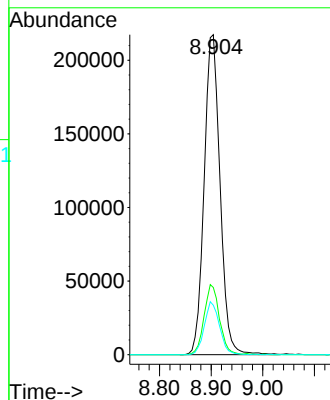
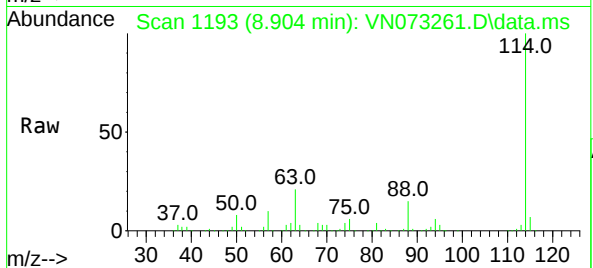
Tgt Ion:114 Resp: 464320

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.428 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073261.D

Acq: 30 Jun 2022 13:22

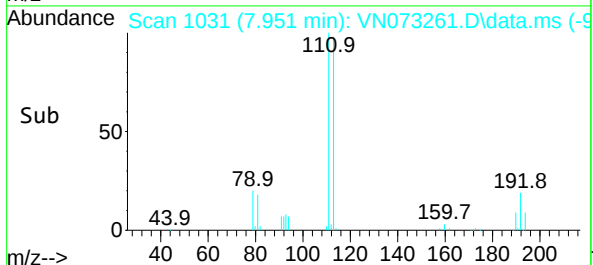
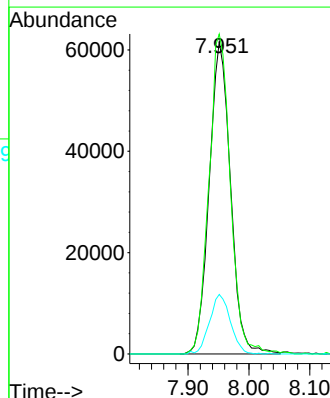
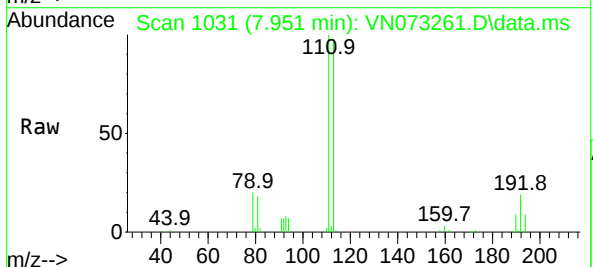
Tgt Ion:113 Resp: 149603

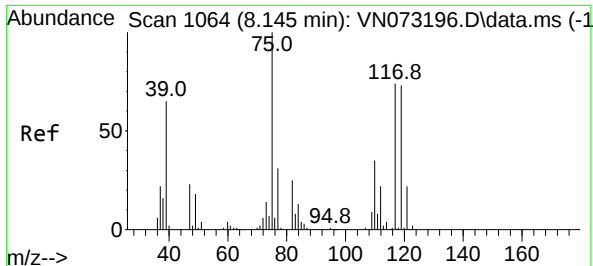
Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

192 18.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.830 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.123 min

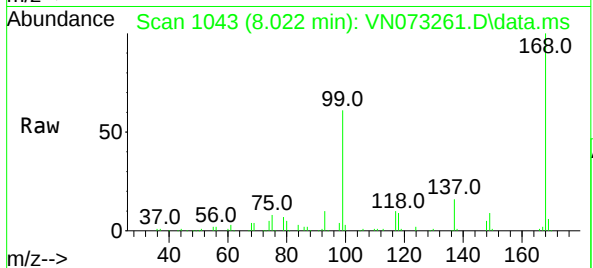
Lab File: VN073261.D

Acq: 30 Jun 2022 13:22

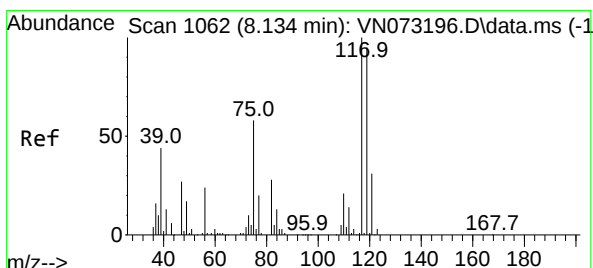
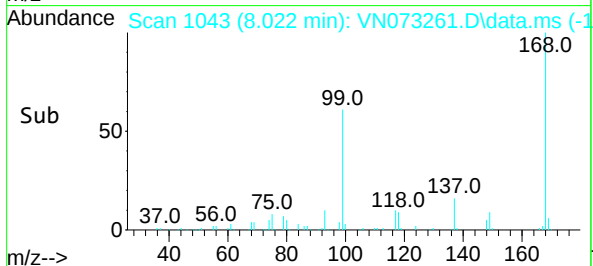
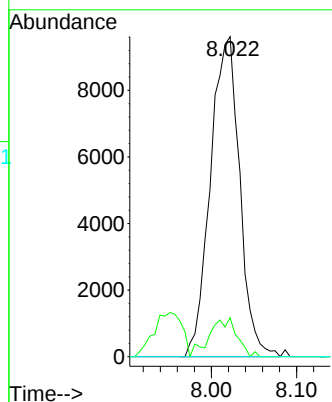
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 22957
Ion Ratio	Lower Upper
75	100
110	10.3 18.3 54.8#
77	0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.916 ug/l

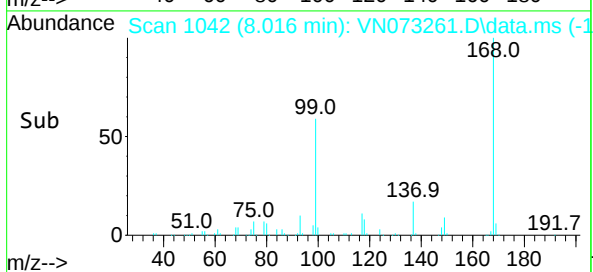
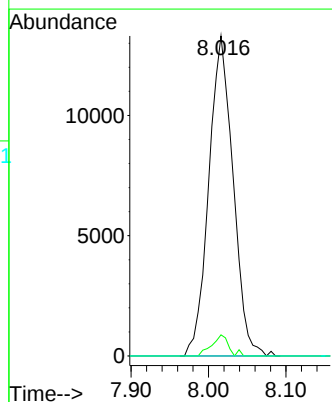
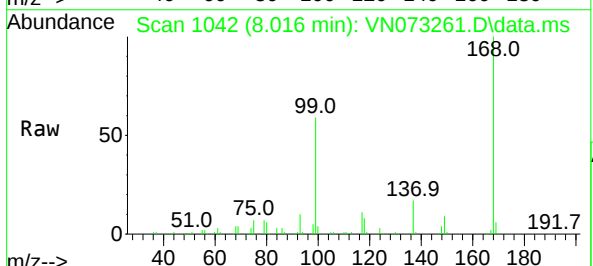
RT: 8.016 min Scan# 1042

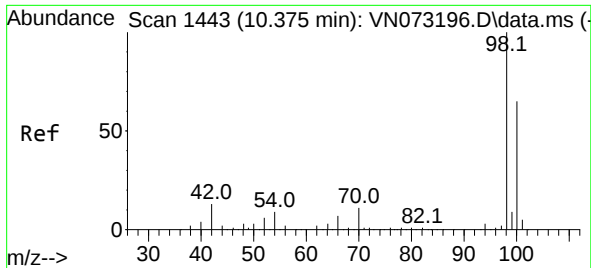
Delta R.T. -0.118 min

Lab File: VN073261.D

Acq: 30 Jun 2022 13:22

Tgt Ion: 117	Resp: 29082
Ion Ratio	Lower Upper
117	100
119	6.6 75.8 113.8#
121	0.0 24.6 37.0#

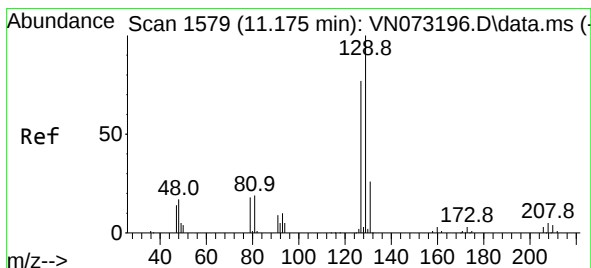
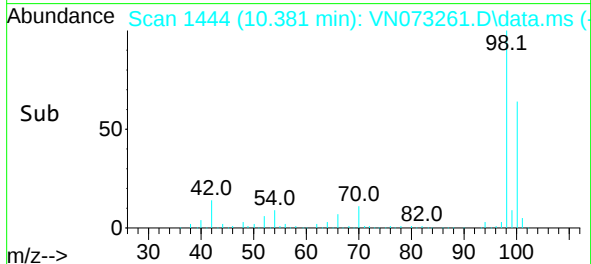
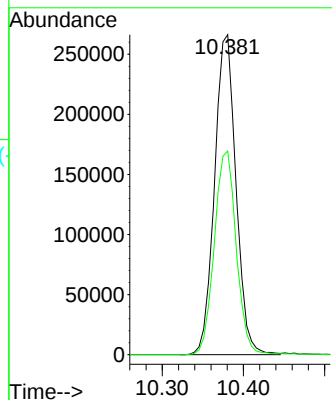
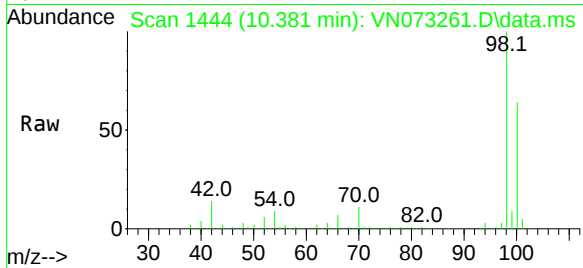




#50
Toluene-d8
Concen: 44.586 ug/l
RT: 10.381 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

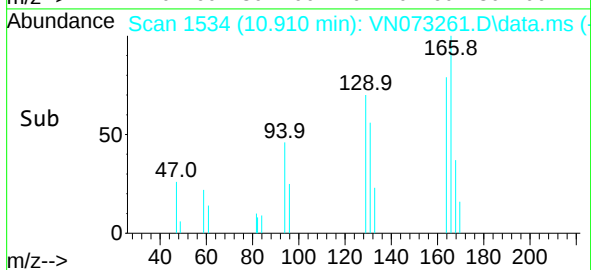
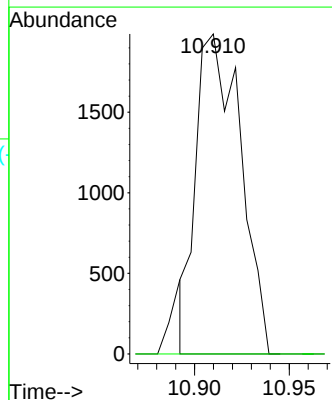
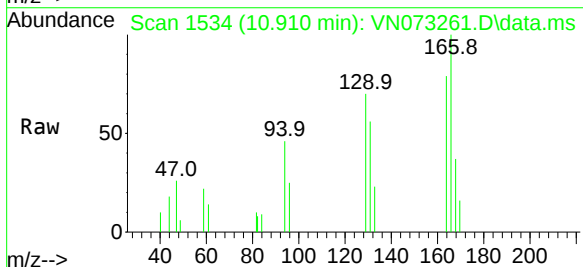
Instrument :
MSVOA_N
ClientSampleId :

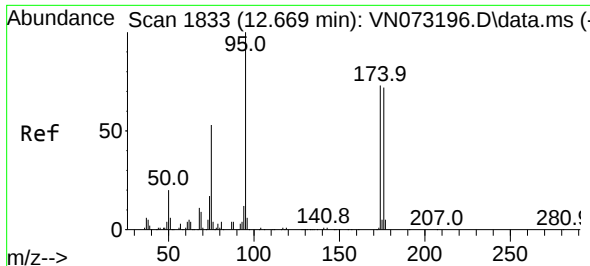
Tgt Ion: 98 Resp: 489191
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#60
Dibromochloromethane
Concen: 0.908 ug/l
RT: 10.910 min Scan# 1534
Delta R.T. -0.265 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

Tgt Ion:129 Resp: 3230
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

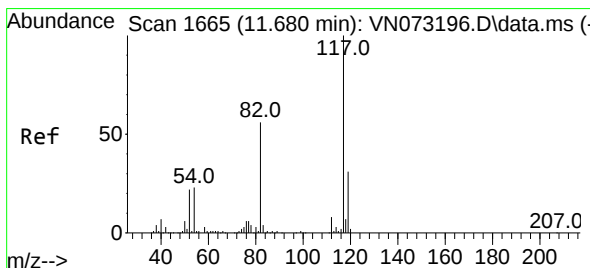
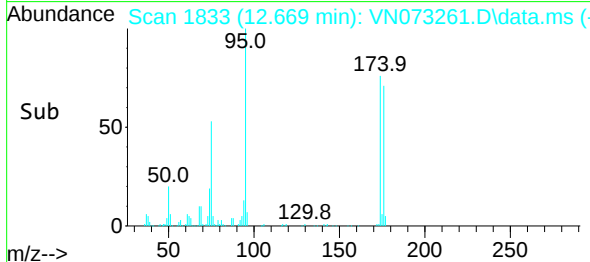
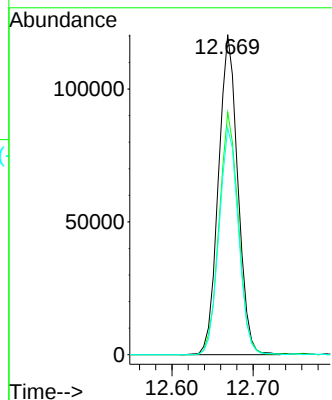
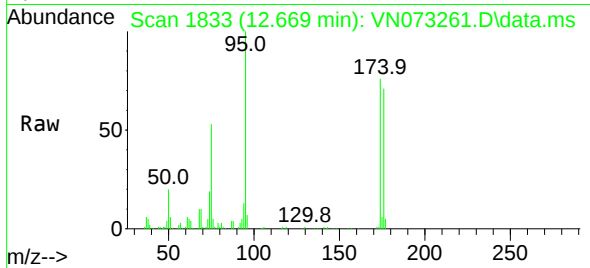




#62
4-Bromofluorobenzene
Concen: 47.467 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

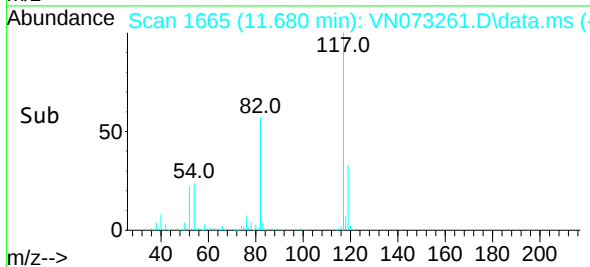
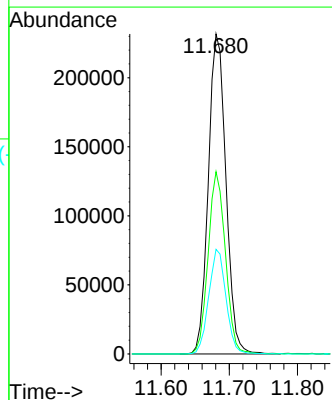
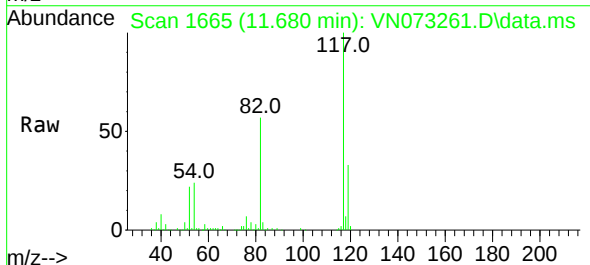
Instrument :
MSVOA_N
ClientSampleId :

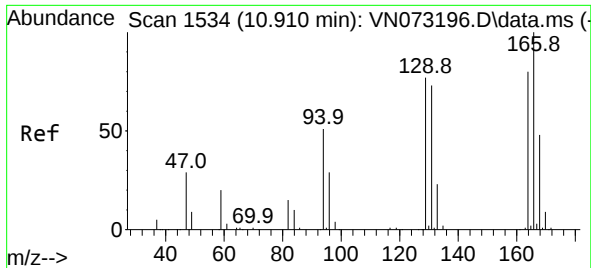
Tgt Ion: 95 Resp: 200138
Ion Ratio Lower Upper
95 100
174 75.0 0.0 167.6
176 71.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

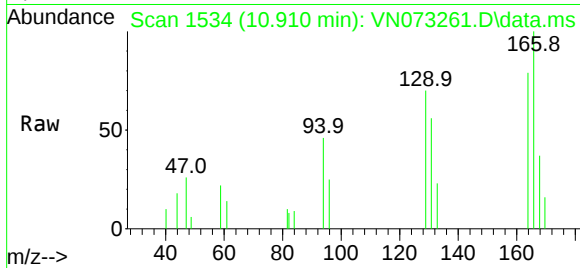
Tgt Ion: 117 Resp: 416748
Ion Ratio Lower Upper
117 100
82 57.0 44.2 66.2
119 32.7 25.4 38.0



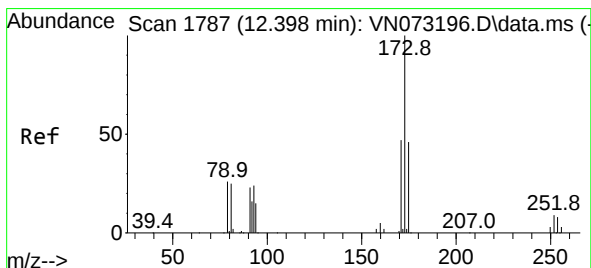
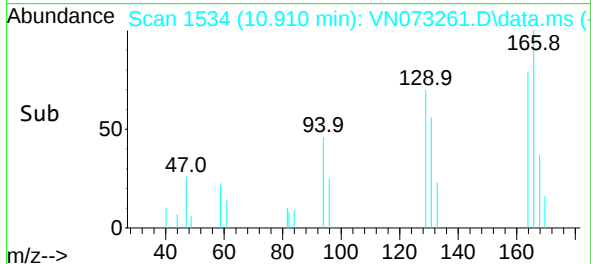
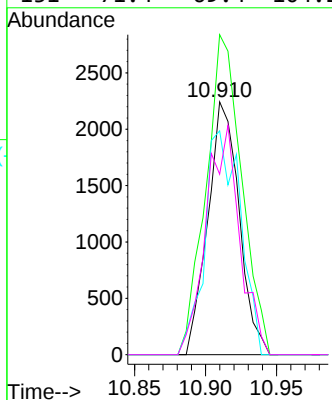


#64
Tetrachloroethene
Concen: 1.010 ug/l
RT: 10.910 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

Instrument :
MSVOA_N
ClientSampleId :

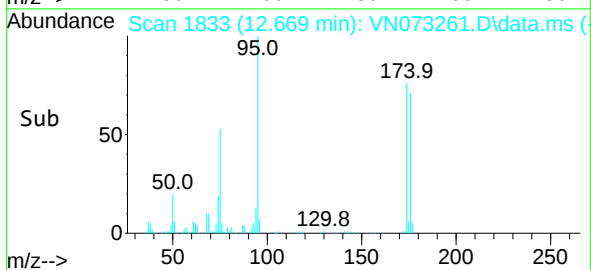
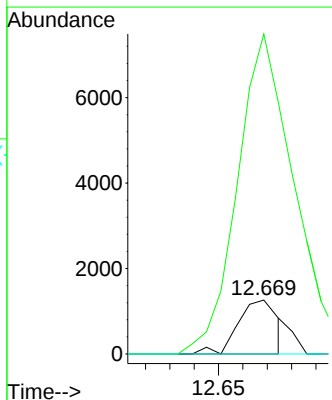
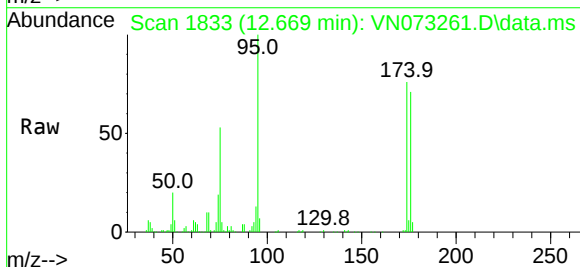


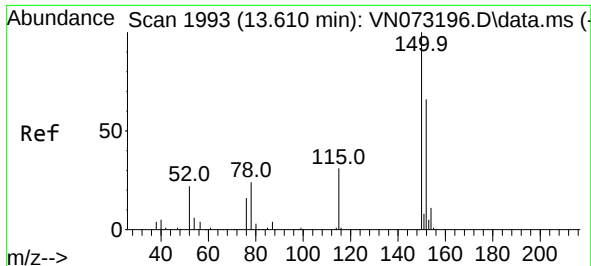
Tgt Ion:164 Resp: 3437
Ion Ratio Lower Upper
164 100
166 126.6 104.2 156.2
129 88.5 73.9 110.9
131 71.4 69.4 104.2



#71
Bromoform
Concen: 0.560 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

Tgt Ion:173 Resp: 1421
Ion Ratio Lower Upper
173 100
175 632.0 24.6 73.6#
254 0.0 0.1 0.1#

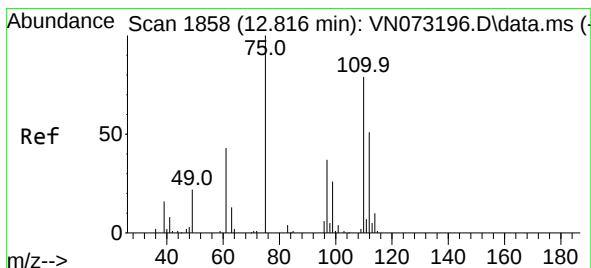
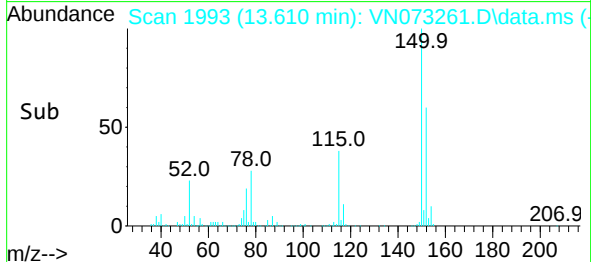
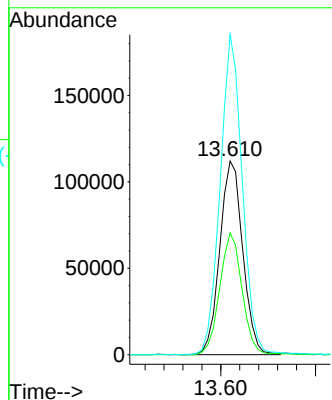
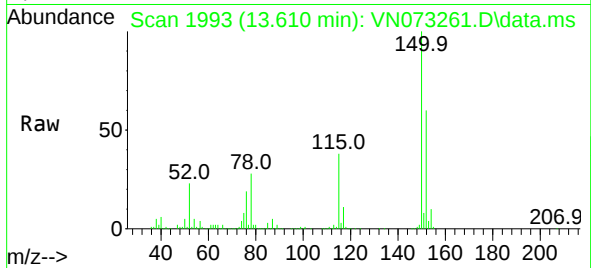




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN073261.D
 Acq: 30 Jun 2022 13:22

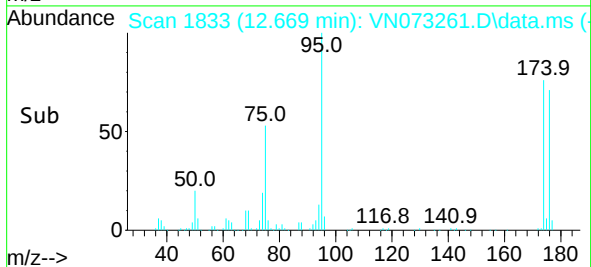
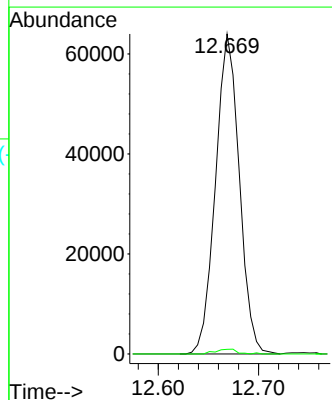
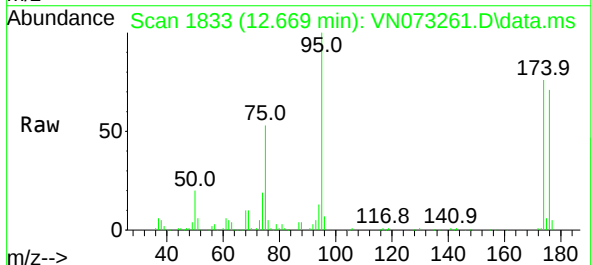
Instrument :
 MSVOA_N
 ClientSampleId :

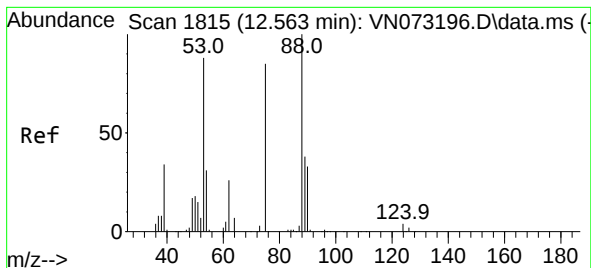
Tgt Ion:152 Resp: 188935
 Ion Ratio Lower Upper
 152 100
 115 61.2 28.9 86.7
 150 159.5 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.324 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073261.D
 Acq: 30 Jun 2022 13:22

Tgt Ion: 75 Resp: 105347
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

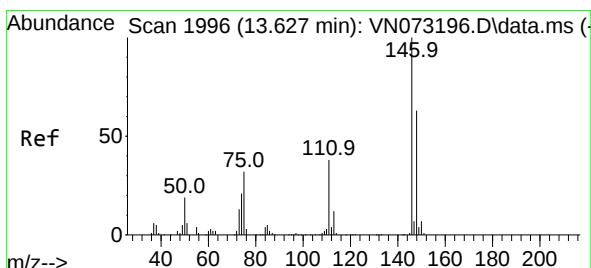
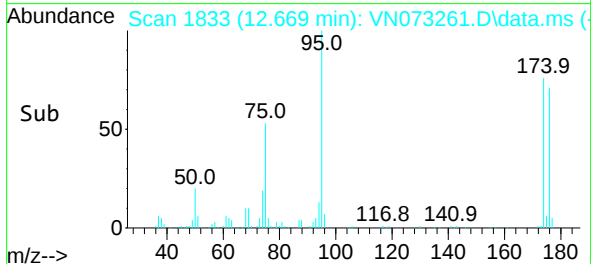
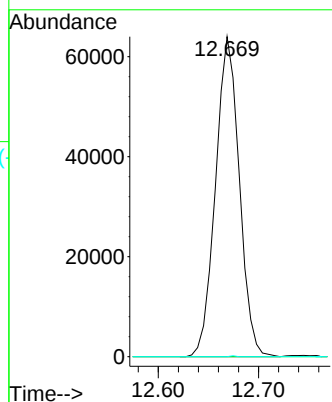
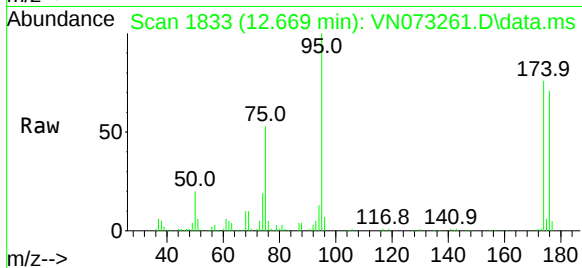




#81
trans-1,4-Dichloro-2-butene
Concen: 58.481 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

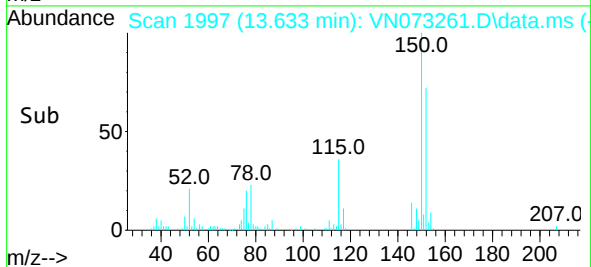
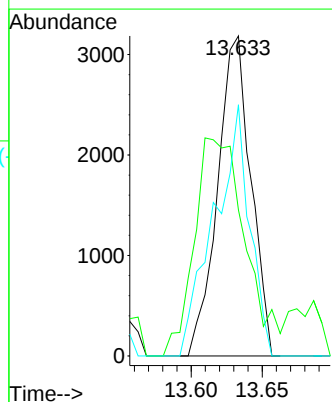
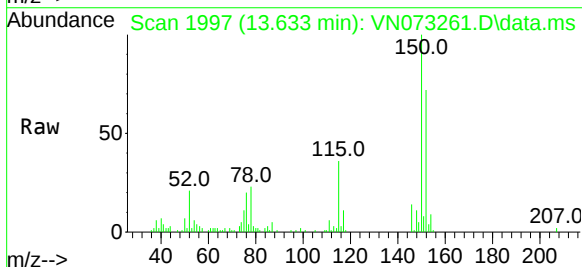
Instrument :
MSVOA_N
ClientSampleId :

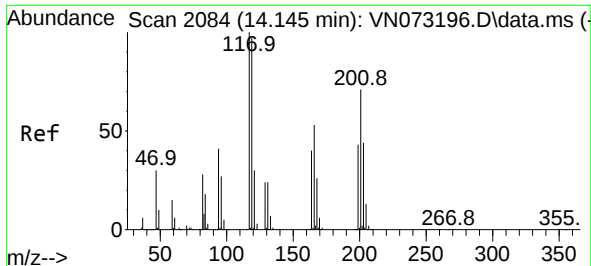
Tgt Ion: 75 Resp: 105347
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#88
1,4-Dichlorobenzene
Concen: 0.761 ug/l
RT: 13.633 min Scan# 1997
Delta R.T. 0.006 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

Tgt Ion:146 Resp: 5186
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.1#
148 83.5 31.4 94.3

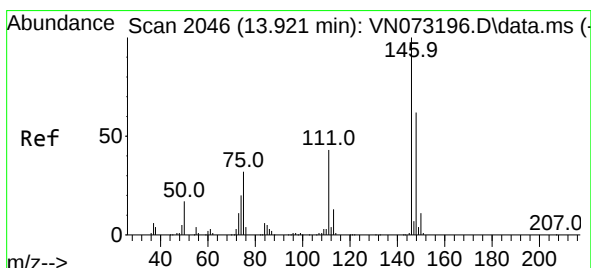
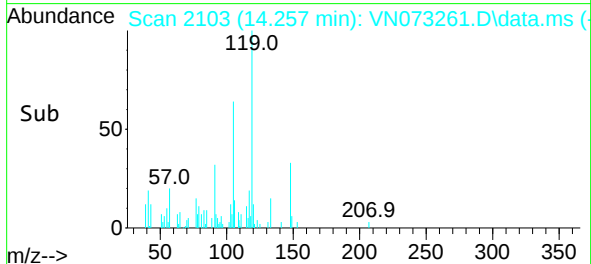
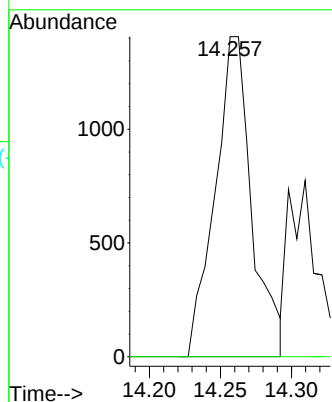
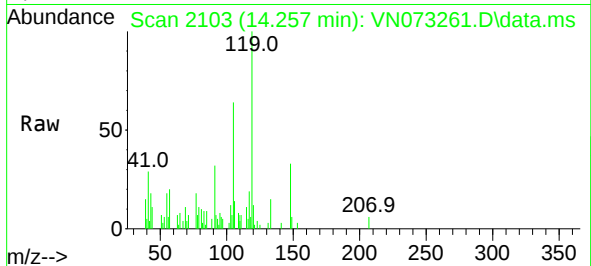




#90
Hexachloroethane
Concen: 1.050 ug/l
RT: 14.257 min Scan# 2103
Delta R.T. 0.112 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

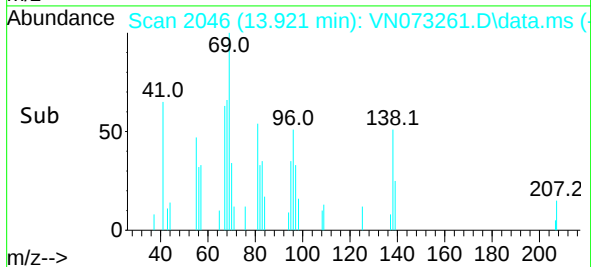
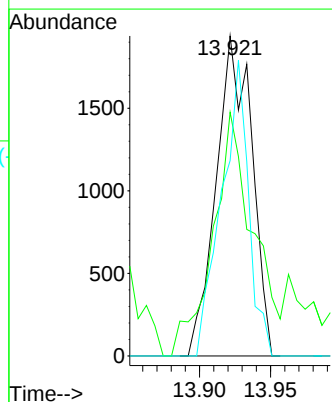
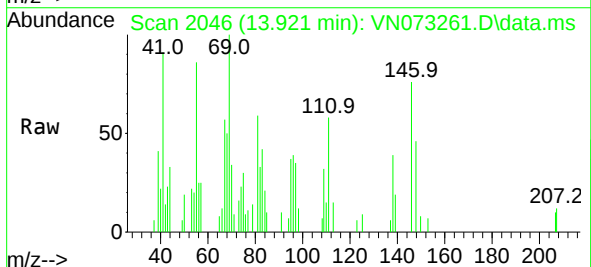
Instrument :
MSVOA_N
ClientSampleId :

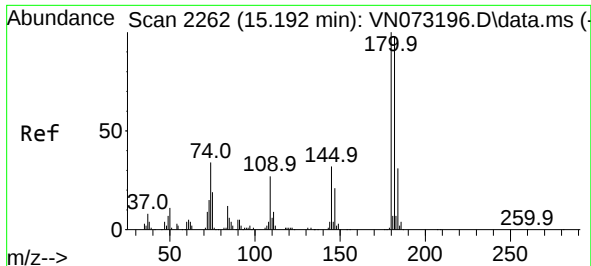
Tgt Ion:117 Resp: 2530
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#91
1,2-Dichlorobenzene
Concen: 0.487 ug/l
RT: 13.921 min Scan# 2046
Delta R.T. 0.000 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

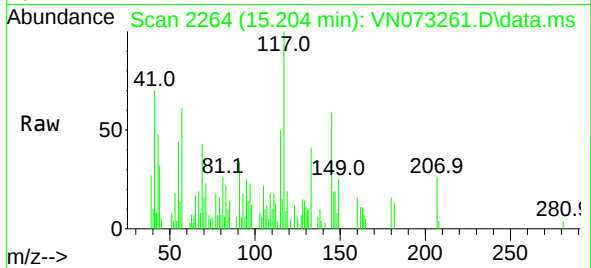
Tgt Ion:146 Resp: 3377
Ion Ratio Lower Upper
146 100
111 86.1 20.9 62.8#
148 70.3 32.1 96.3



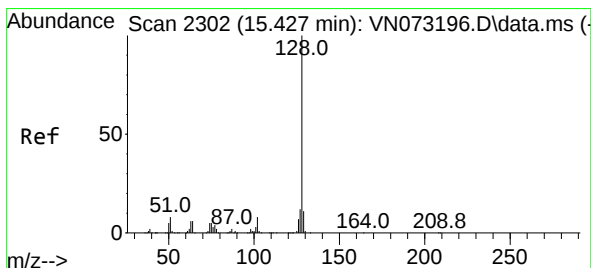
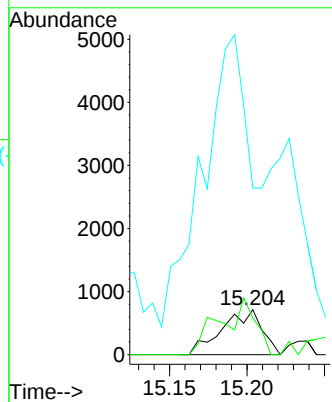
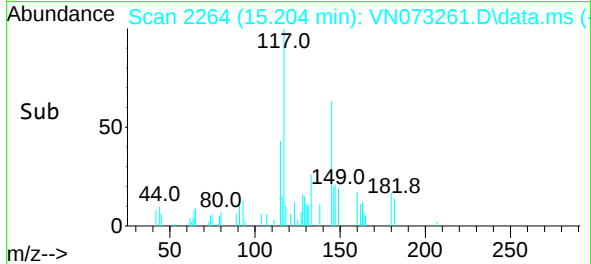


#93
1,2,4-Trichlorobenzene
Concen: 0.356 ug/l
RT: 15.204 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22

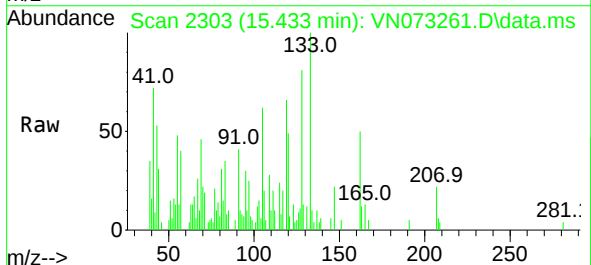
Instrument :
MSVOA_N
ClientSampleId :



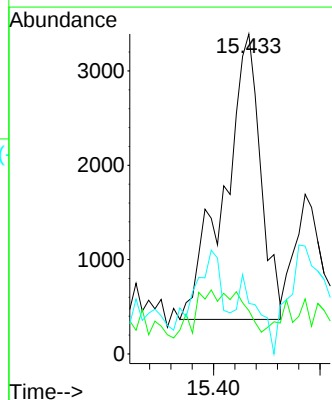
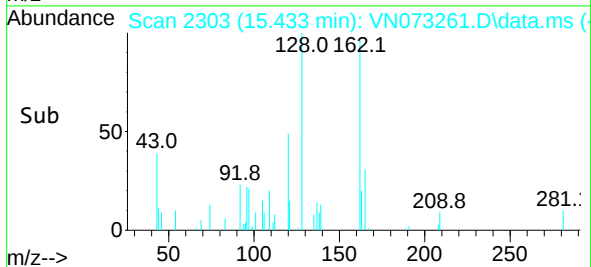
Tgt Ion:180 Resp: 1285
Ion Ratio Lower Upper
180 100
182 51.2 47.5 142.5
145 787.0 14.5 43.5#

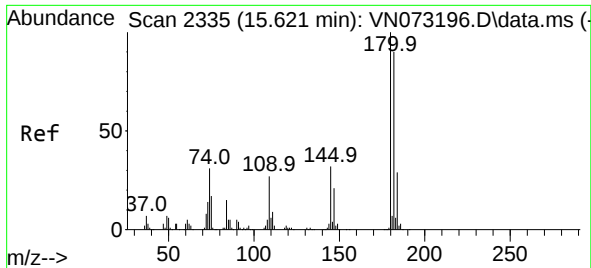


#95
Naphthalene
Concen: 0.490 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073261.D
Acq: 30 Jun 2022 13:22



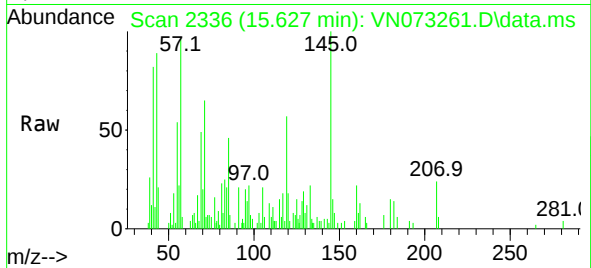
Tgt Ion:128 Resp: 7129
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 15.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.630 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073261.D
 Acq: 30 Jun 2022 13:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.5	47.8	143.3
145	0.0	15.5	46.5#

