

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072022\
 Data File : VN073525.D
 Acq On : 20 Jul 2022 16:16
 Operator : JC\MD
 Sample : VN0720WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBL01

Quant Time: Jul 21 08:24:17 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)

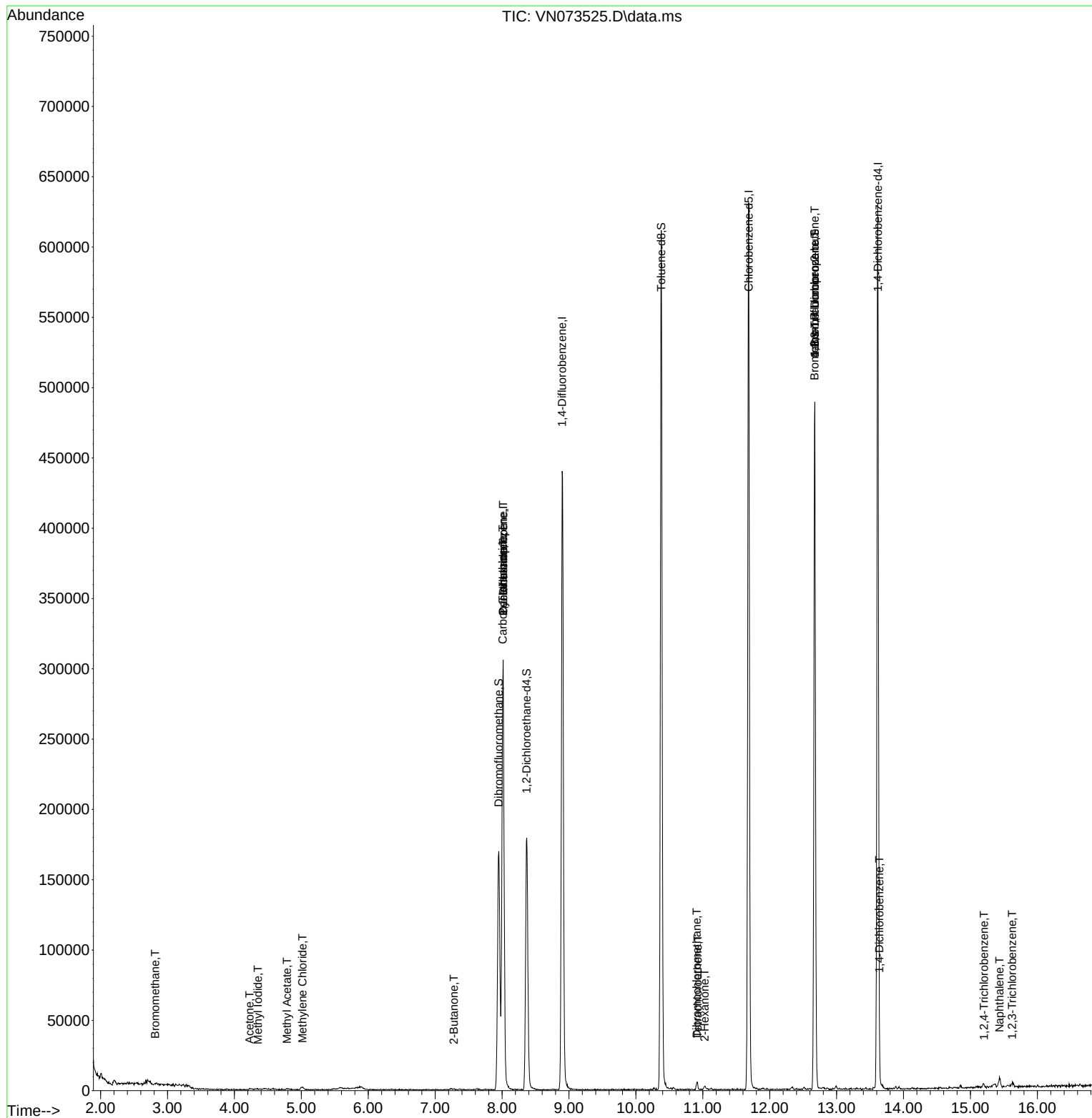
Internal Standards						
1) Pentafluorobenzene	8.016	168	224239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	374059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	352550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	167633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	153010	47.267	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.540%		
35) Dibromofluoromethane	7.951	113	126827	50.962	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.920%		
50) Toluene-d8	10.380	98	407658	46.121	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.240%		
62) 4-Bromofluorobenzene	12.674	95	164006	48.283	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.560%		
Target Compounds						Qvalue
5) Bromomethane	2.816	94	360	0.282	ug/l #	2
10) Methyl Iodide	4.351	142	76	3.755	ug/l #	46
16) Acetone	4.228	43	718	0.395	ug/l	92
18) Methyl Acetate	4.787	43	1235	0.243	ug/l #	60
20) Methylene Chloride	5.016	84	1485	0.465	ug/l #	77
25) 2-Butanone	7.281	43	750	0.259	ug/l #	45
31) Cyclohexane	8.016	56	5865	1.106	ug/l #	30
36) 1,1-Dichloropropene	8.016	75	19395	5.065	ug/l #	49
38) Carbon Tetrachloride	8.010	117	23709	5.987	ug/l #	16
59) 2-Hexanone	11.027	43	2687	0.668	ug/l	71
60) Dibromochloromethane	10.910	129	1137	0.397	ug/l #	11
64) Tetrachloroethene	10.922	164	1205	0.419	ug/l #	74
71) Bromoform	12.669	173	1779	0.829	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	85778	19.569	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	85778	53.668	ug/l #	10
88) 1,4-Dichlorobenzene	13.639	146	1211	0.200	ug/l #	69
93) 1,2,4-Trichlorobenzene	15.204	180	1062	0.332	ug/l	88
95) Naphthalene	15.433	128	7600	0.588	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.621	180	1864	0.564	ug/l	77

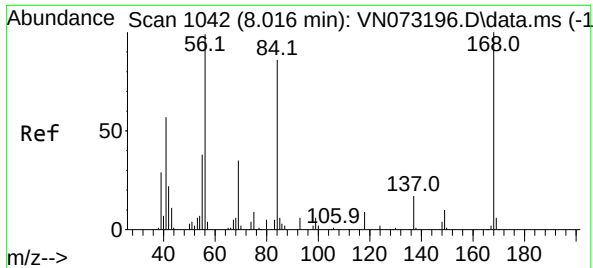
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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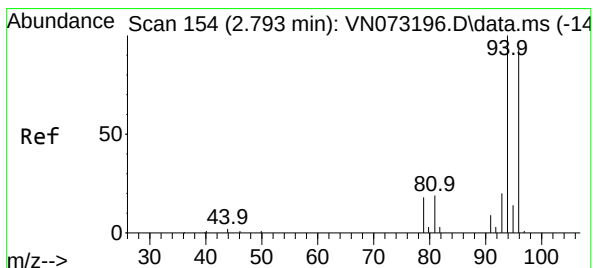
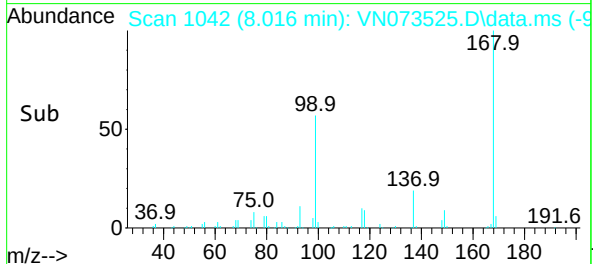
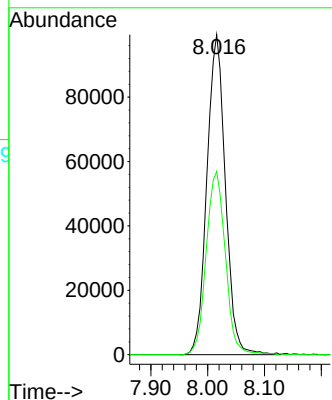
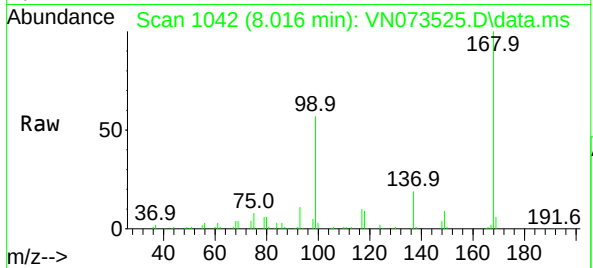




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

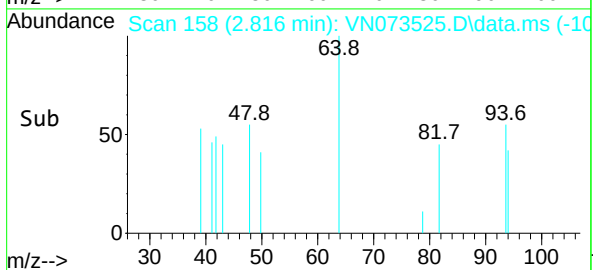
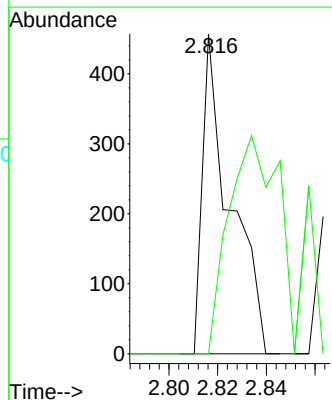
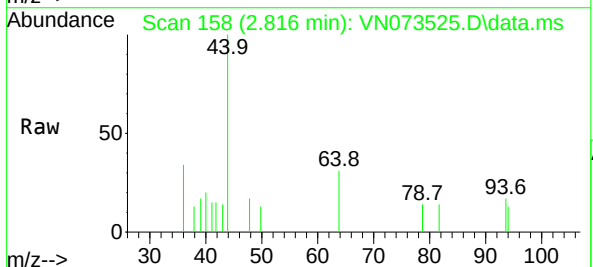
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBL01

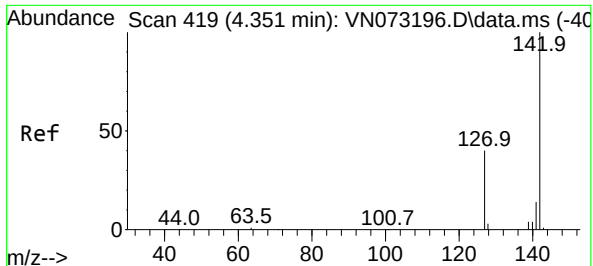
Tgt Ion:168 Resp: 224239
Ion Ratio Lower Upper
168 100
99 57.2 42.3 63.5



#5
Bromomethane
Concen: 0.282 ug/l
RT: 2.816 min Scan# 158
Delta R.T. 0.023 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

Tgt Ion: 94 Resp: 360
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

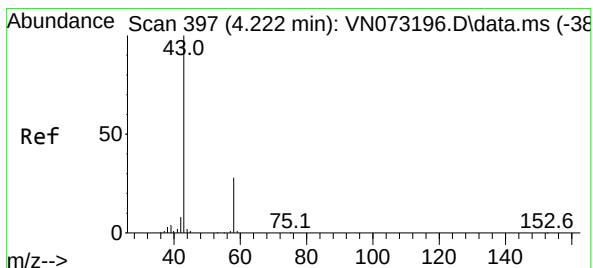
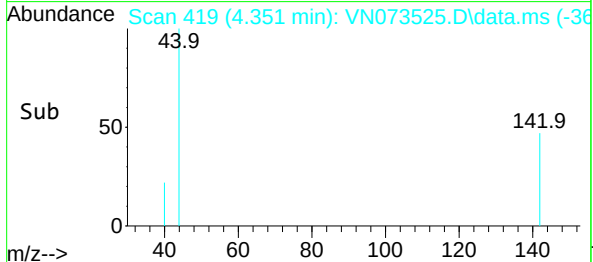
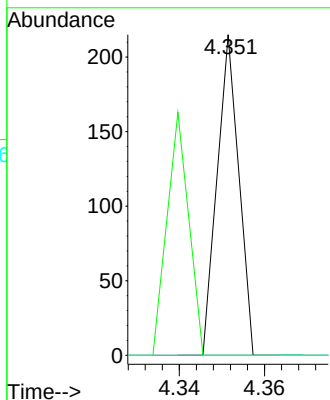
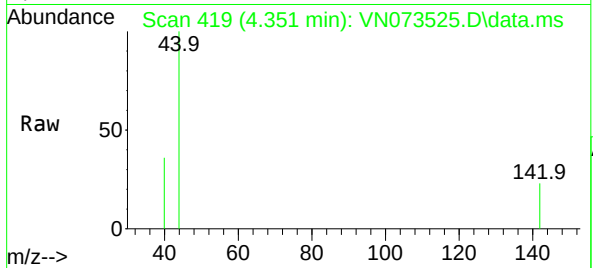




#10
Methyl Iodide
Concen: 3.755 ug/l
RT: 4.351 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

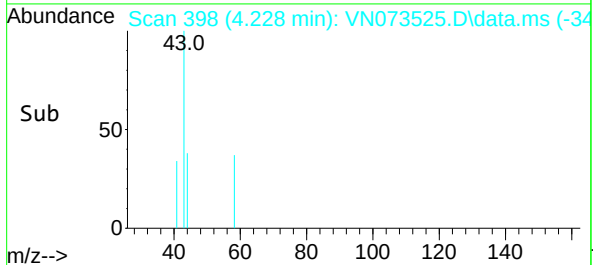
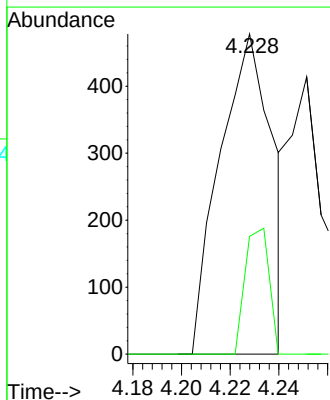
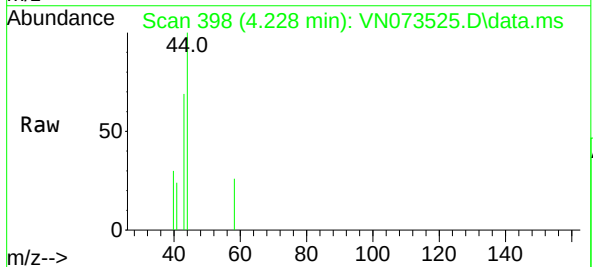
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBL01

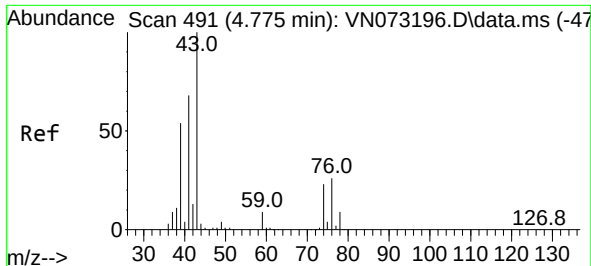
Tgt Ion:142 Resp: 76
Ion Ratio Lower Upper
142 100
127 76.3 31.3 46.9#
141 0.0 11.2 16.8#



#16
Acetone
Concen: 0.395 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

Tgt Ion: 43 Resp: 718
Ion Ratio Lower Upper
43 100
58 36.8 26.0 39.0

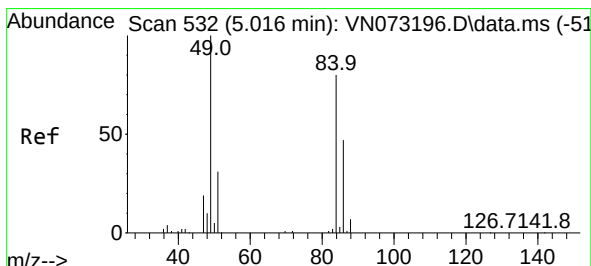
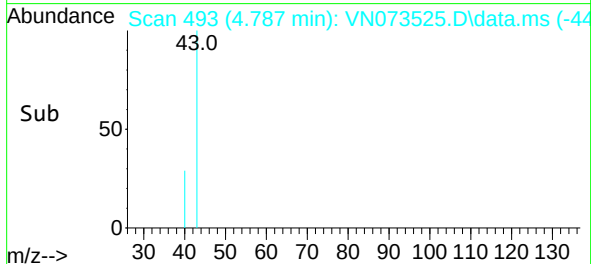
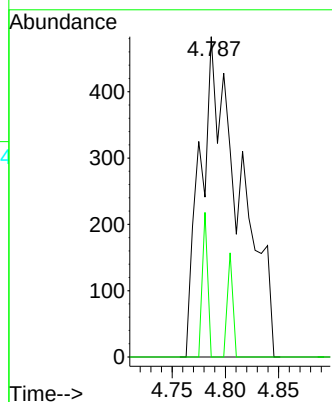
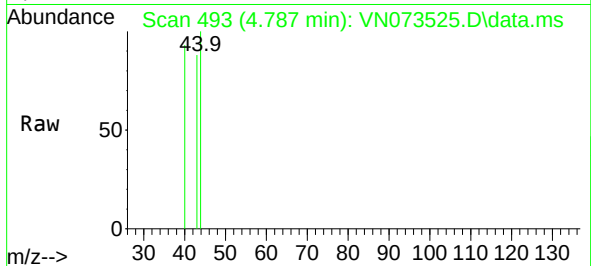




#18
Methyl Acetate
Concen: 0.243 ug/l
RT: 4.787 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

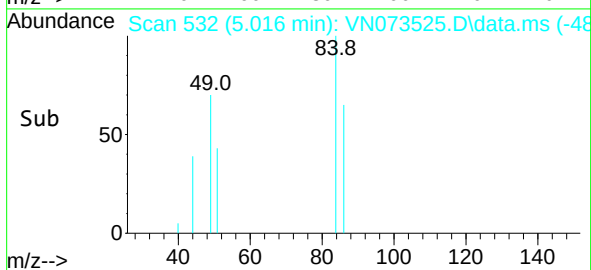
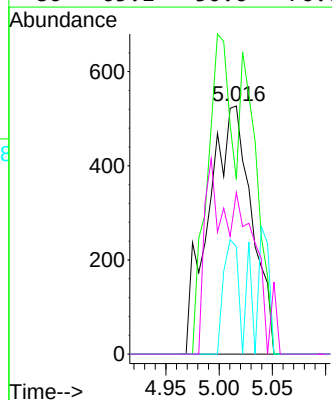
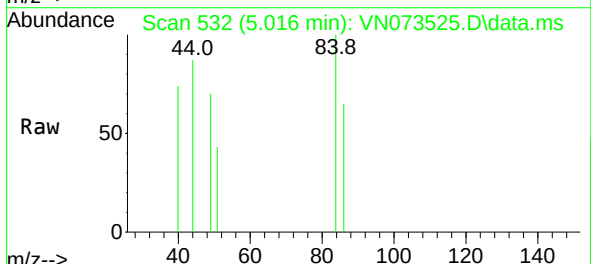
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBL01

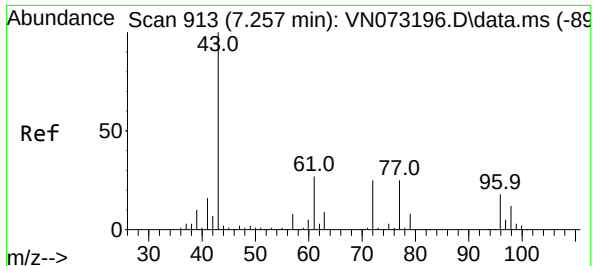
Tgt Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
74 6.2 21.6 32.4#



#20
Methylene Chloride
Concen: 0.465 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.000 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

Tgt Ion: 84 Resp: 1485
Ion Ratio Lower Upper
84 100
49 70.4 88.3 132.5#
51 43.3 28.2 42.2#
86 65.1 50.6 76.0





#25

2-Butanone

Concen: 0.259 ug/l

RT: 7.281 min Scan# 913

Delta R.T. 0.024 min

Lab File: VN073525.D

Acq: 20 Jul 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

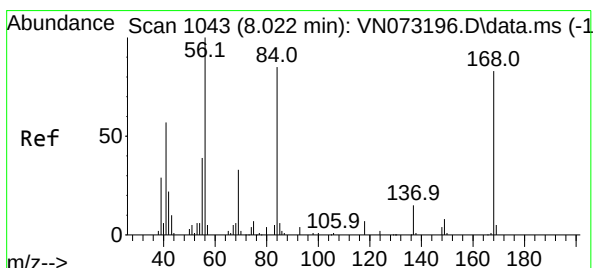
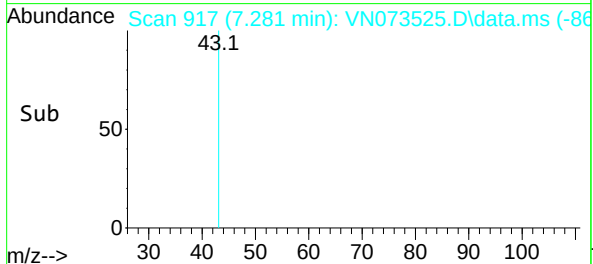
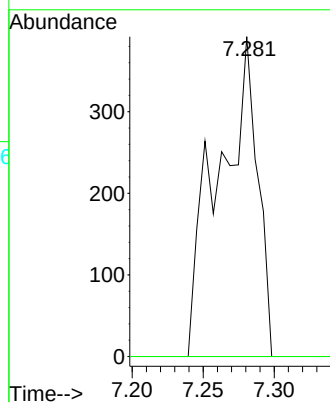
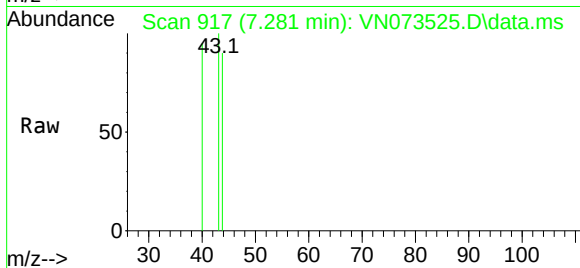
VN0720WBL01

Tgt Ion: 43 Resp: 750

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.106 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073525.D

Acq: 20 Jul 2022 16:16

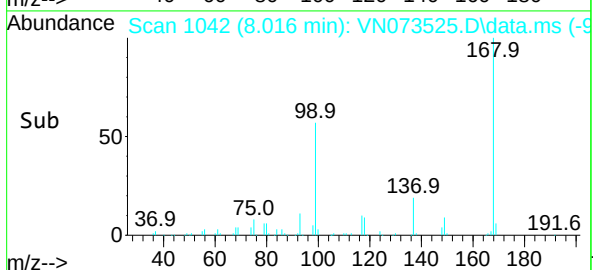
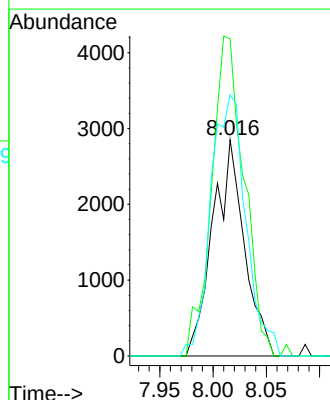
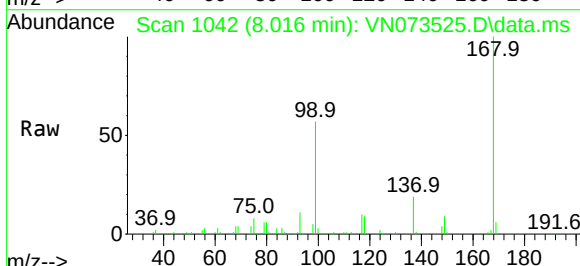
Tgt Ion: 56 Resp: 5865

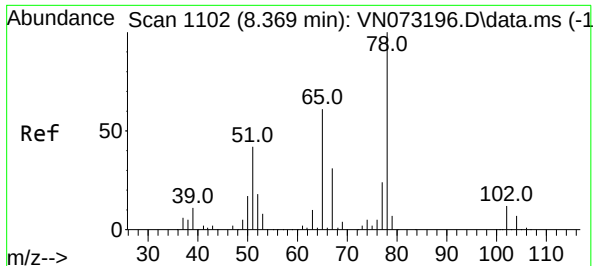
Ion Ratio Lower Upper

56 100

69 146.7 27.8 41.8#

84 120.8 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.267 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073525.D

Acq: 20 Jul 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

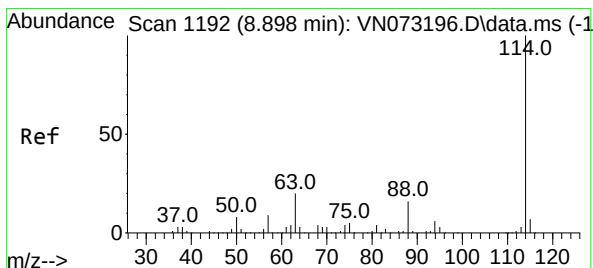
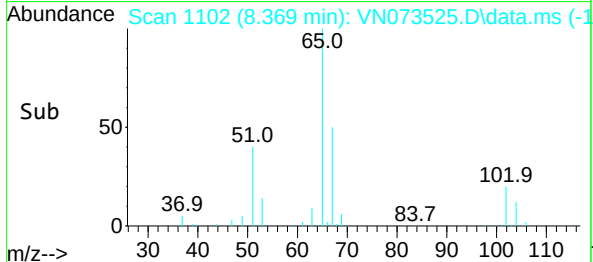
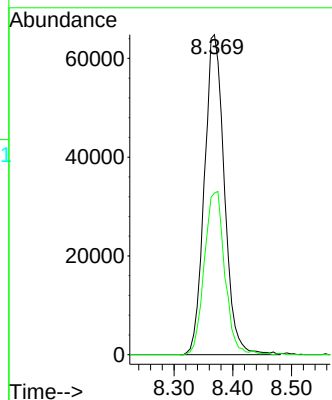
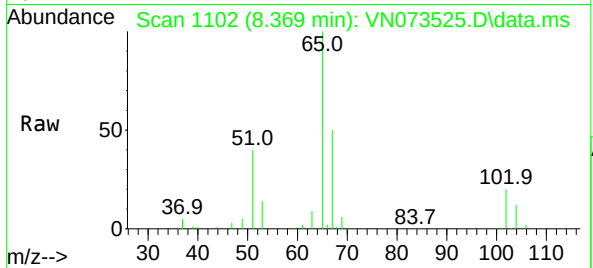
VN0720WBL01

Tgt Ion: 65 Resp: 153010

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN073525.D

Acq: 20 Jul 2022 16:16

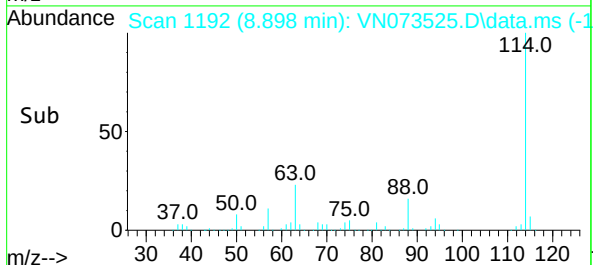
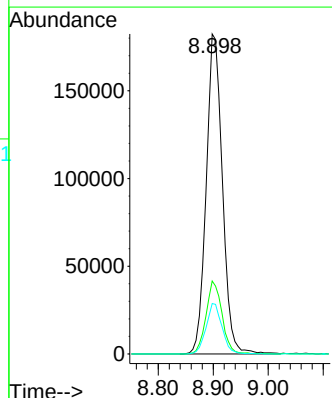
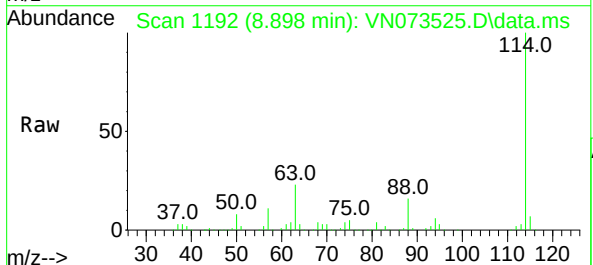
Tgt Ion: 114 Resp: 374059

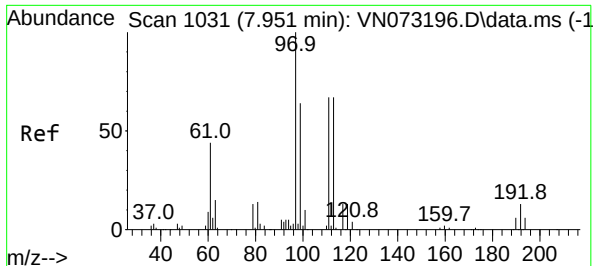
Ion Ratio Lower Upper

114 100

63 22.8 0.0 40.0

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.962 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073525.D

Acq: 20 Jul 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBL01

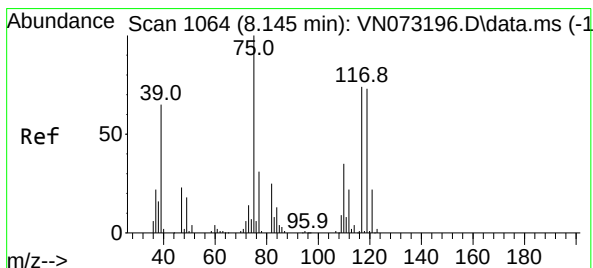
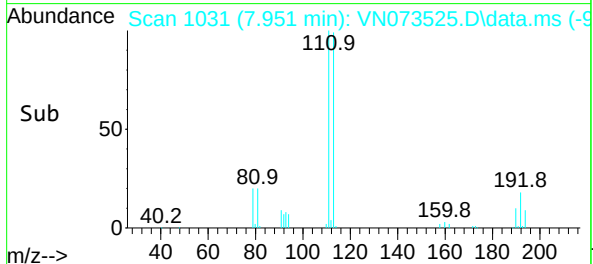
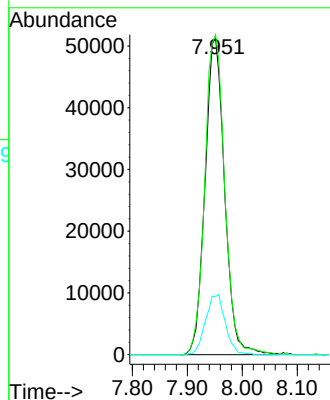
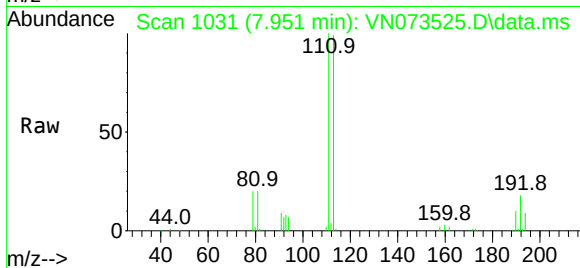
Tgt Ion:113 Resp: 126827

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 19.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.065 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073525.D

Acq: 20 Jul 2022 16:16

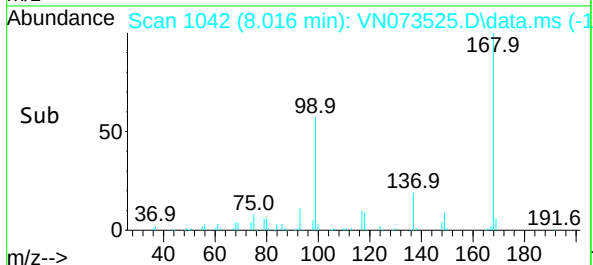
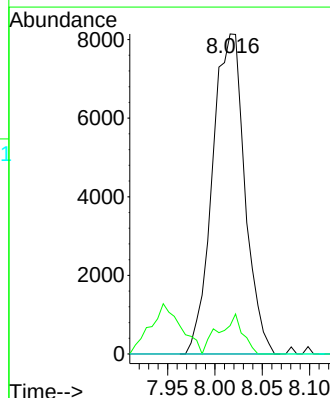
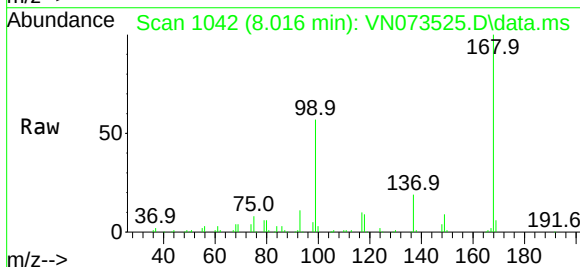
Tgt Ion: 75 Resp: 19395

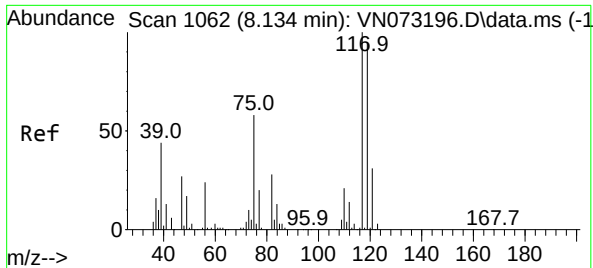
Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 25.1 37.7#

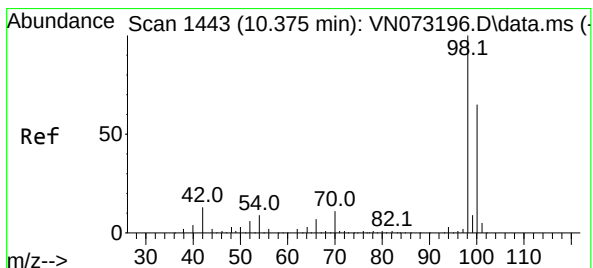
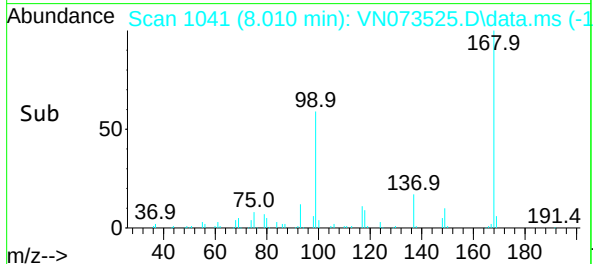
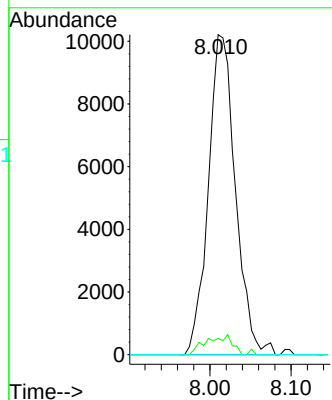
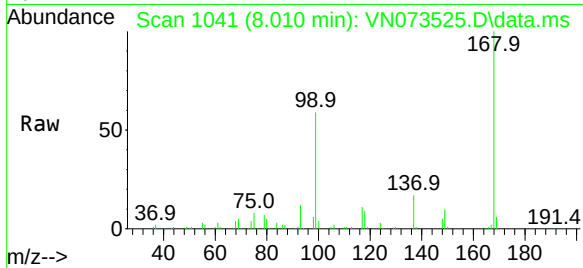




#38
Carbon Tetrachloride
Concen: 5.987 ug/l
RT: 8.010 min Scan# 1062
Delta R.T. -0.124 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

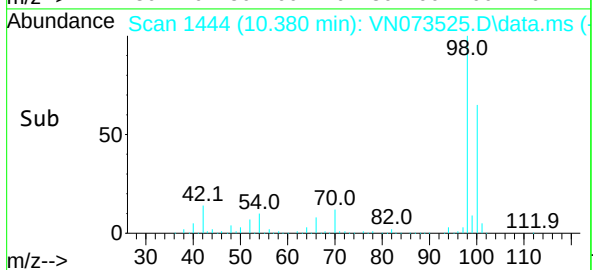
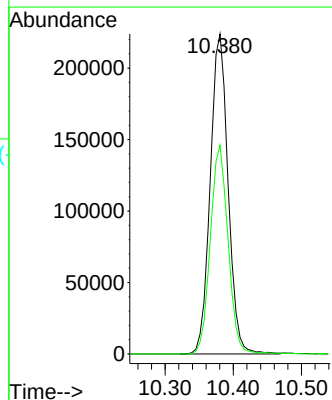
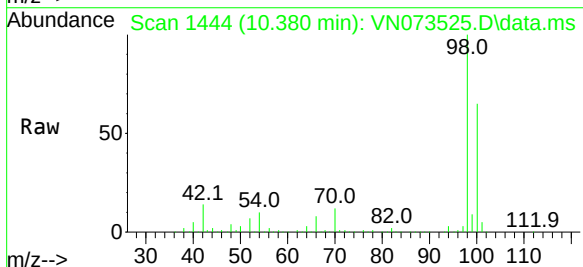
Instrument :
MSVOA_N
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VN0720WBL01

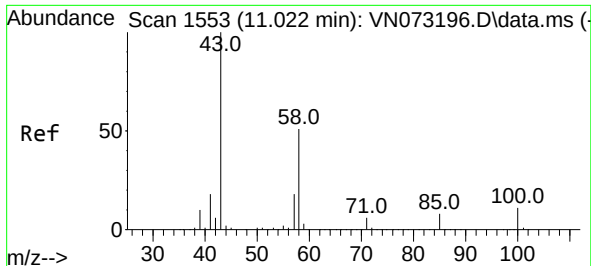
Tgt Ion:117 Resp: 23709
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 46.121 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

Tgt Ion: 98 Resp: 407658
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

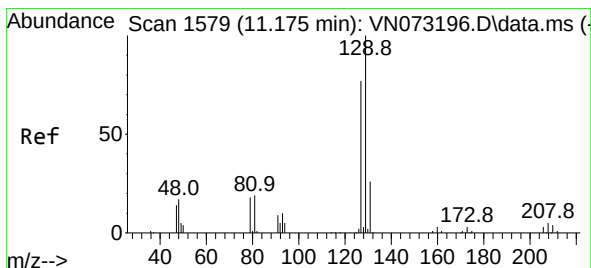
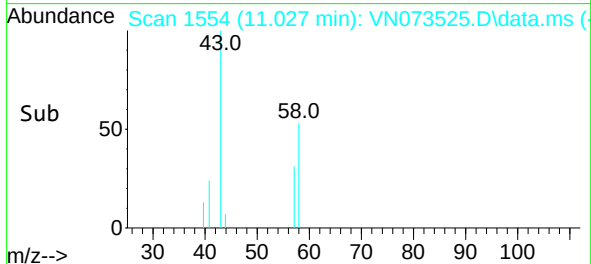
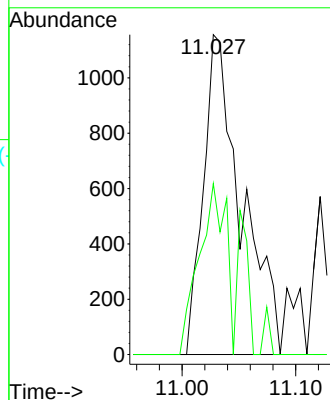
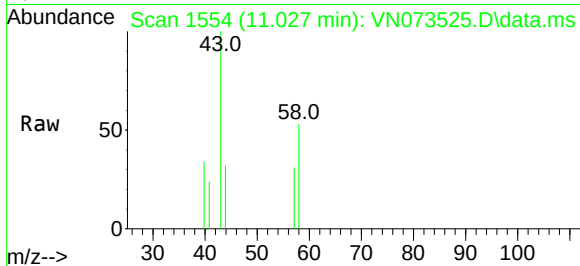




#59
2-Hexanone
Concen: 0.668 ug/l
RT: 11.027 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

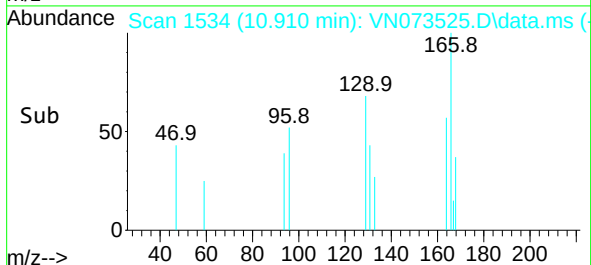
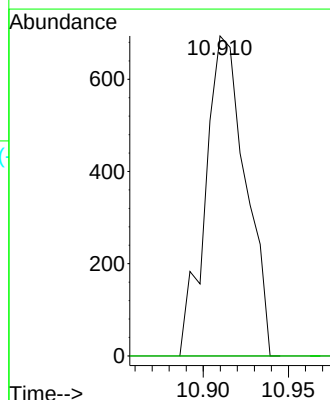
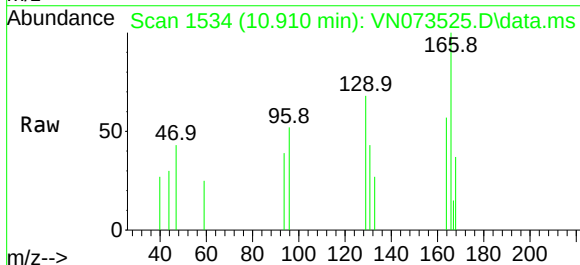
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBL01

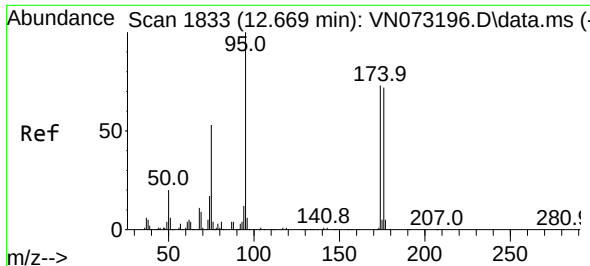
Tgt Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
58 37.7 29.7 89.1



#60
Dibromochloromethane
Concen: 0.397 ug/l
RT: 10.910 min Scan# 1534
Delta R.T. -0.265 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

Tgt Ion: 129 Resp: 1137
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

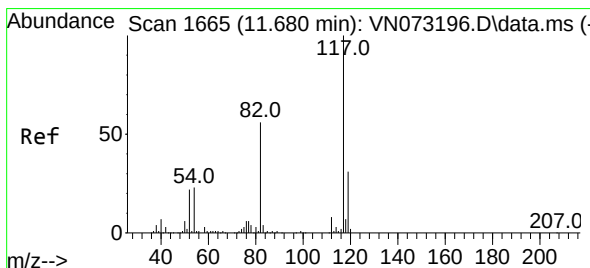
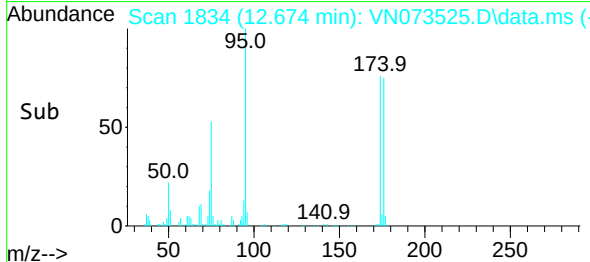
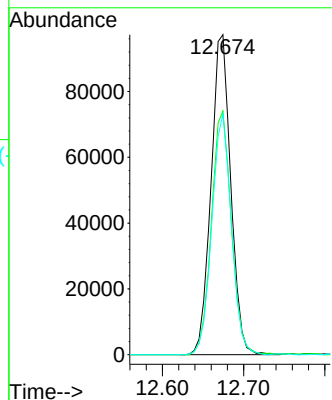
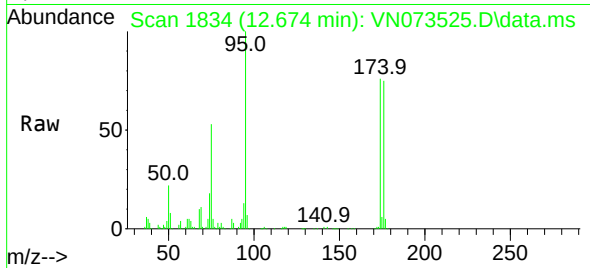




#62
4-Bromofluorobenzene
Concen: 48.283 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

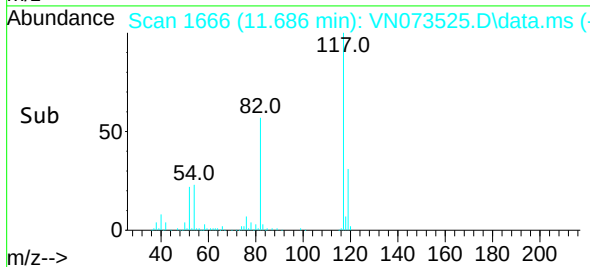
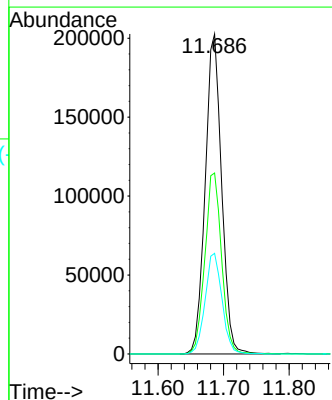
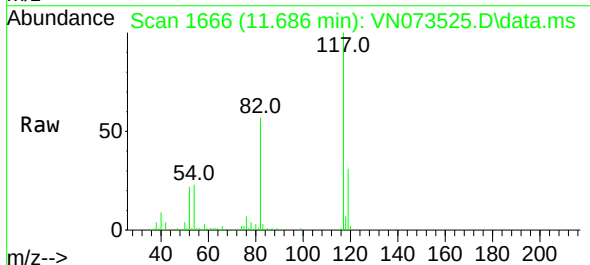
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBL01

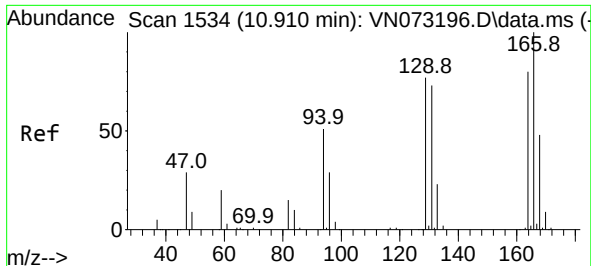
Tgt Ion: 95 Resp: 164006
Ion Ratio Lower Upper
95 100
174 77.1 0.0 167.6
176 74.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

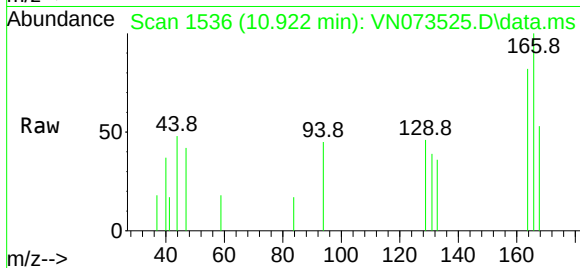
Tgt Ion: 117 Resp: 352550
Ion Ratio Lower Upper
117 100
82 56.5 44.2 66.2
119 31.5 25.4 38.0



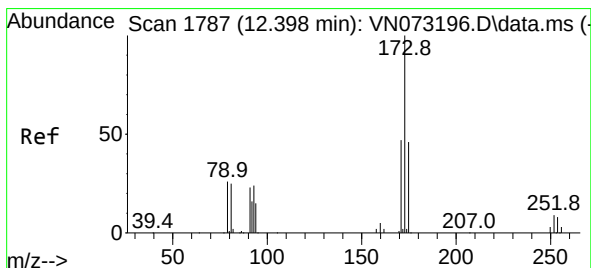
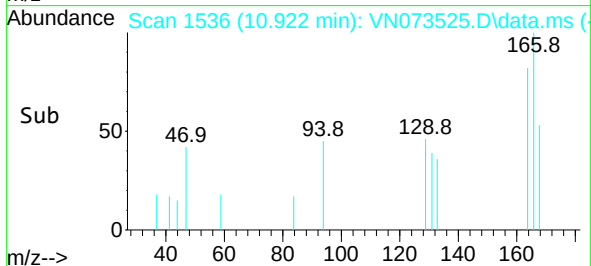
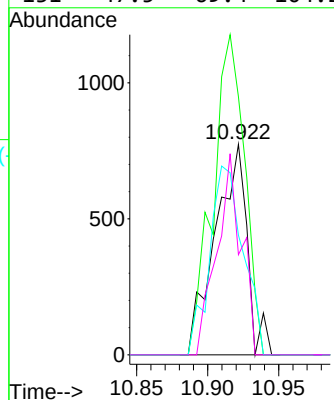


#64
Tetrachloroethene
Concen: 0.419 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBL01

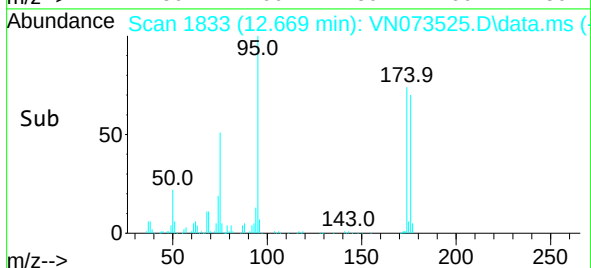
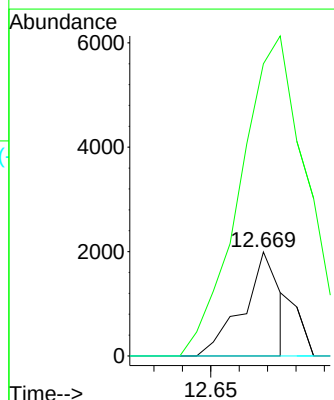
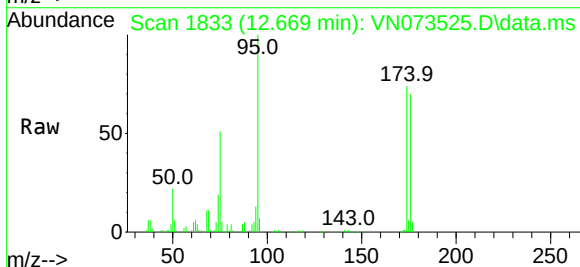


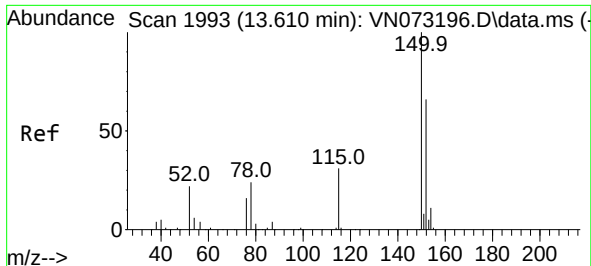
Tgt Ion:164 Resp: 1205
Ion Ratio Lower Upper
164 100
166 122.6 104.2 156.2
129 56.8 73.9 110.9#
131 47.5 69.4 104.2#



#71
Bromoform
Concen: 0.829 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

Tgt Ion:173 Resp: 1779
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

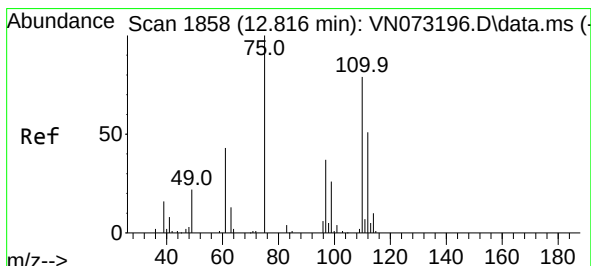
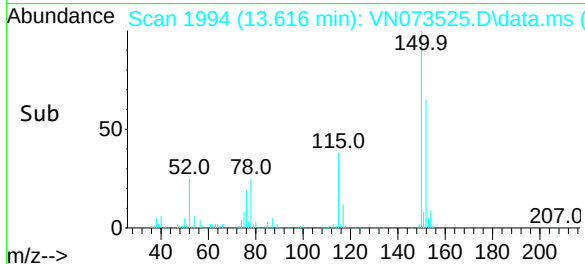
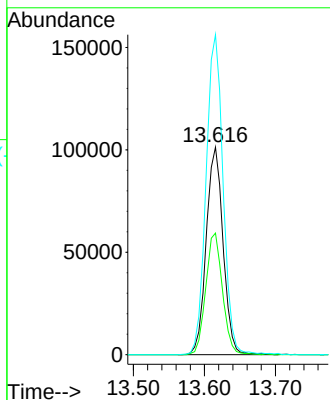
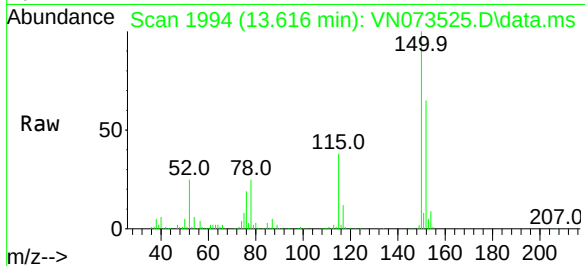




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

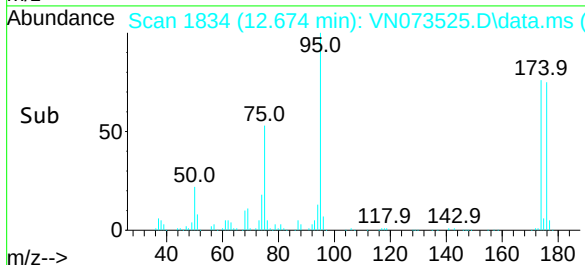
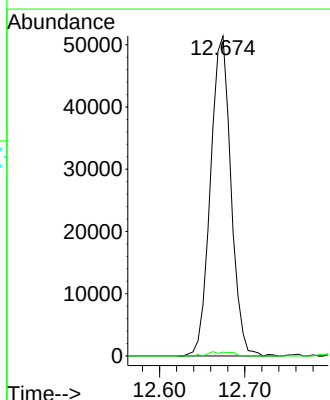
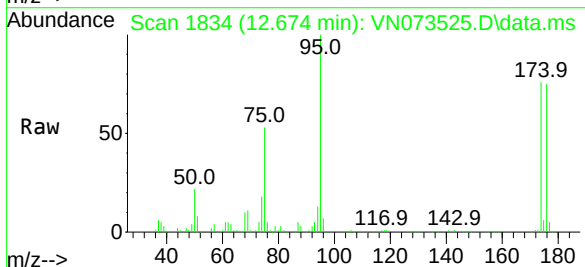
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBL01

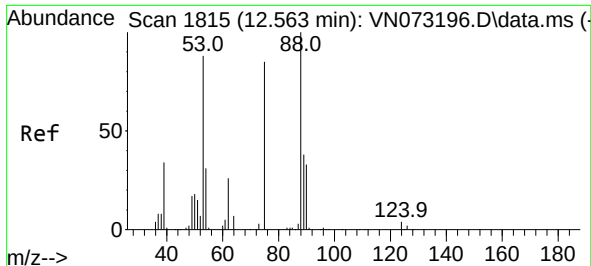
Tgt Ion:152 Resp: 167633
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.7
150 155.7 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 19.569 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.142 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

Tgt Ion: 75 Resp: 85778
Ion Ratio Lower Upper
75 100
77 0.7 98.5 295.5#

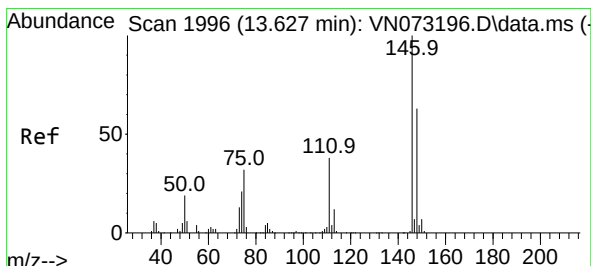
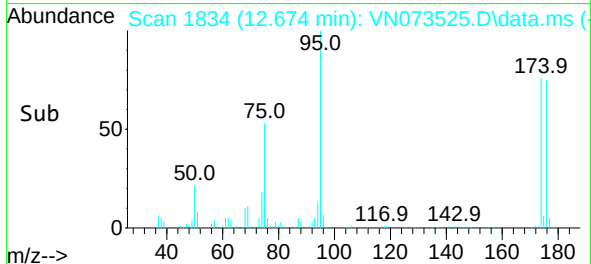
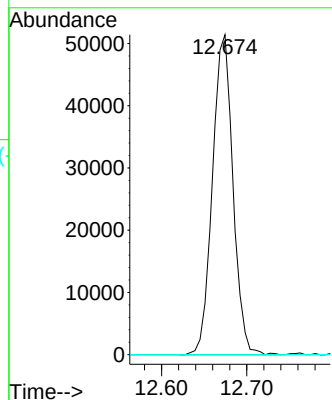
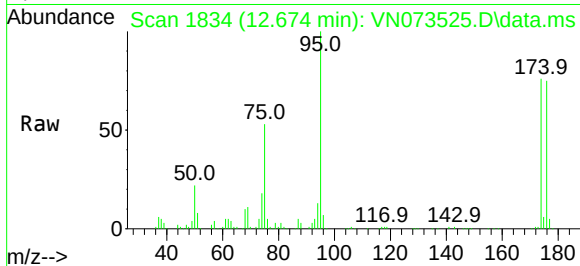




#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.668 ug/l
 RT: 12.674 min Scan# 1815
 Delta R.T. 0.111 min
 Lab File: VN073525.D
 Acq: 20 Jul 2022 16:16

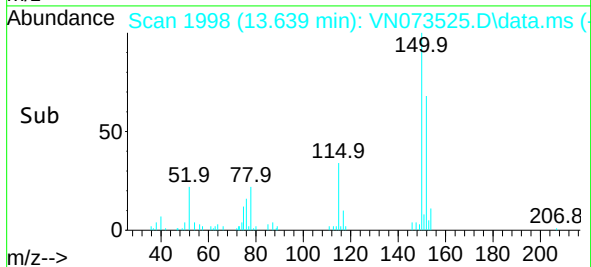
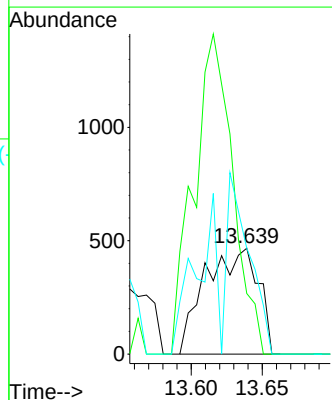
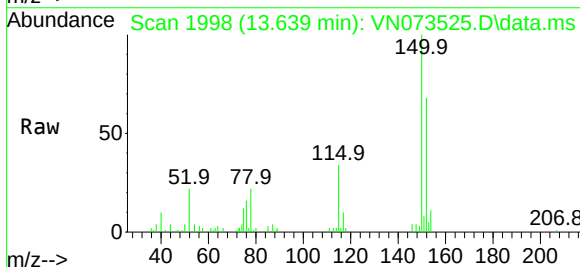
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBL01

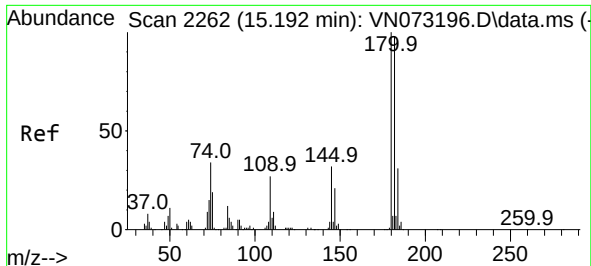
Tgt Ion: 75 Resp: 85778
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#88
 1,4-Dichlorobenzene
 Concen: 0.200 ug/l
 RT: 13.639 min Scan# 1998
 Delta R.T. 0.012 min
 Lab File: VN073525.D
 Acq: 20 Jul 2022 16:16

Tgt Ion: 146 Resp: 1211
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.1 57.1#
 148 72.3 31.4 94.3

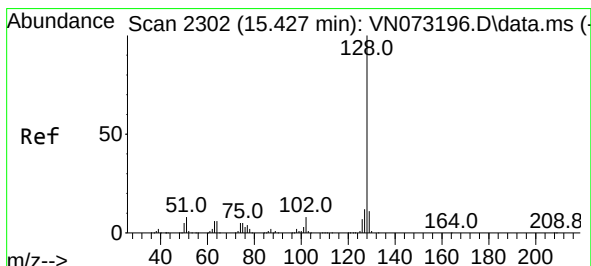
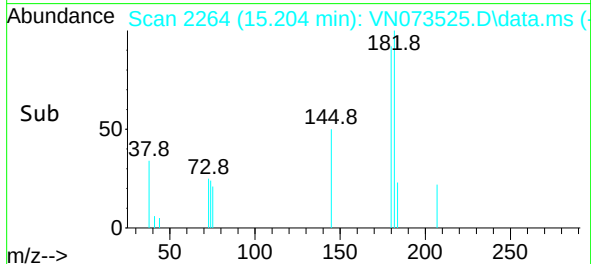
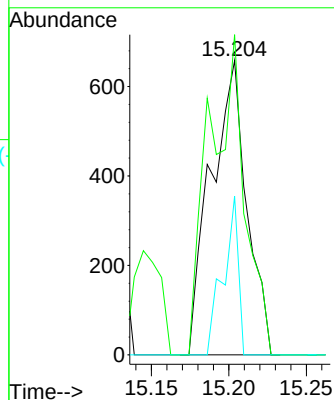
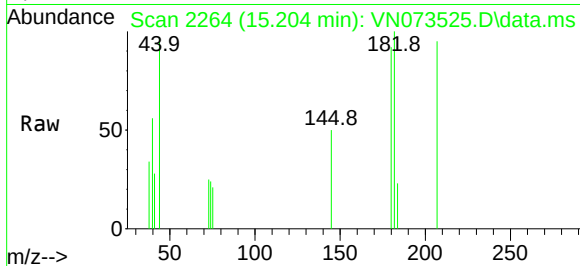




#93
1,2,4-Trichlorobenzene
Concen: 0.332 ug/l
RT: 15.204 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

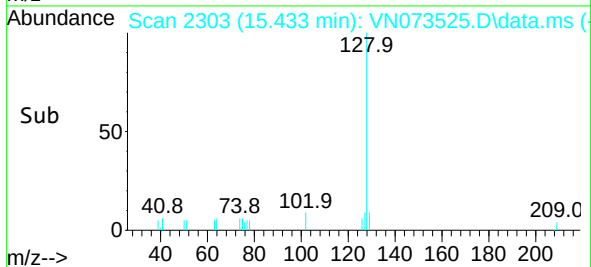
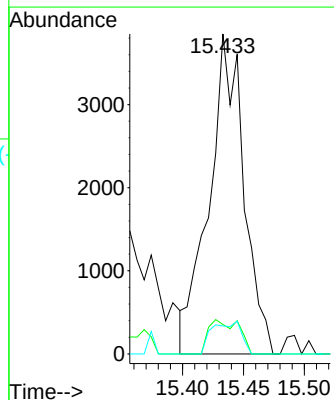
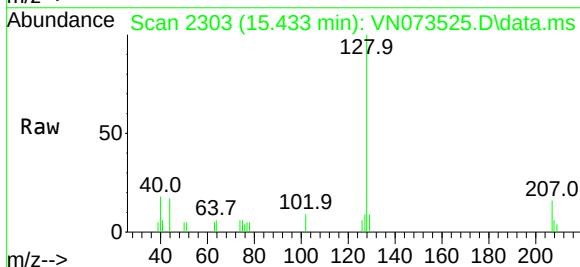
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBL01

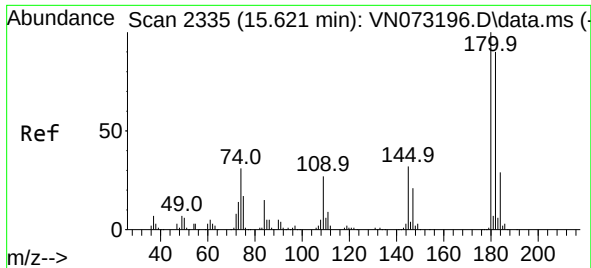
Tgt Ion:180 Resp: 1062
Ion Ratio Lower Upper
180 100
182 106.4 47.5 142.5
145 22.6 14.5 43.5



#95
Naphthalene
Concen: 0.588 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073525.D
Acq: 20 Jul 2022 16:16

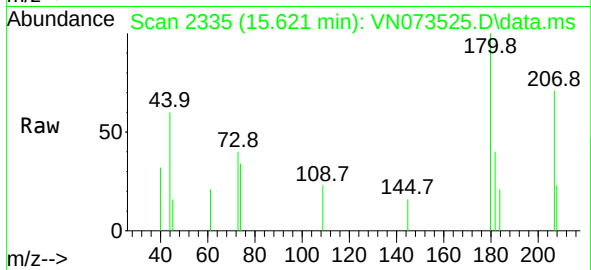
Tgt Ion:128 Resp: 7600
Ion Ratio Lower Upper
128 100
127 9.3 10.3 15.5#
129 8.6 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.564 ug/l
 RT: 15.621 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN073525.D
 Acq: 20 Jul 2022 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBL01



Tgt Ion:	180	Resp:	1864
Ion	Ratio	Lower	Upper
180	100		
182	72.5	47.8	143.3
145	19.8	15.5	46.5

