

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031822\
 Data File : VN071365.D
 Acq On : 18 Mar 2022 12:04
 Operator : JC\MD
 Sample : VN0318WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 18 16:57:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

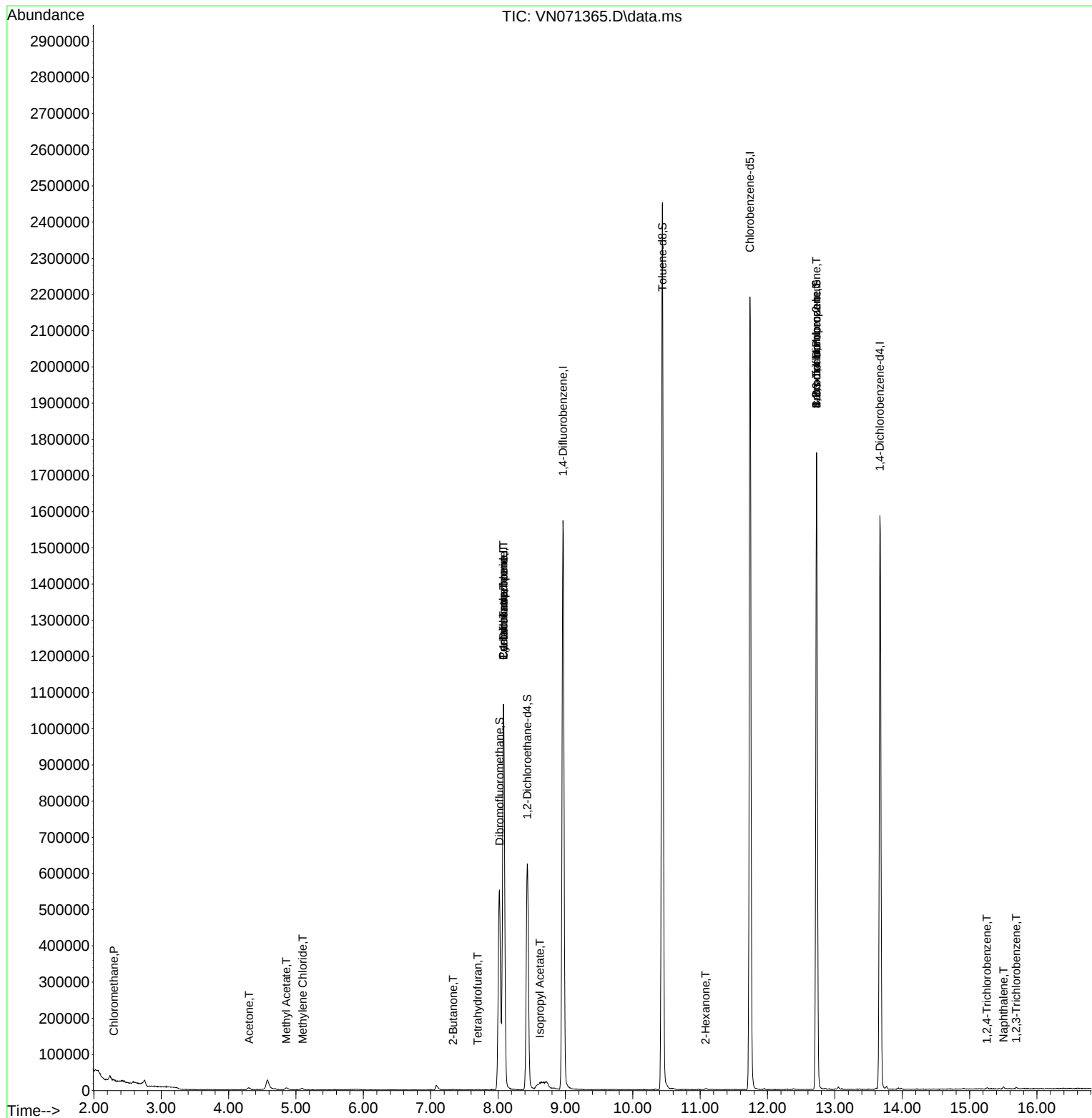
Internal Standards						
1) Pentafluorobenzene	8.081	168	816061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1373519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1274753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	441541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	524919	46.933	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.860%
35) Dibromofluoromethane	8.022	113	407797	47.050	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.100%
50) Toluene-d8	10.439	98	1663674	47.673	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.340%
62) 4-Bromofluorobenzene	12.727	95	604962	51.194	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.380%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2991	0.215	ug/l #	87
5) Bromomethane	2.851	94	1450	Below Cal	#	79
16) Acetone	4.304	43	8952	1.645	ug/l	90
18) Methyl Acetate	4.857	43	11592	1.256	ug/l	97
20) Methylene Chloride	5.098	84	2986	0.680	ug/l #	81
25) 2-Butanone	7.334	43	2267	0.259	ug/l #	81
29) Tetrahydrofuran	7.698	42	1325	0.218	ug/l #	57
31) Cyclohexane	8.081	56	17312	0.969	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	65442	4.712	ug/l #	48
38) Carbon Tetrachloride	8.081	117	79410	5.912	ug/l #	17
43) Isopropyl Acetate	8.622	43	22386	0.783	ug/l #	55
59) 2-Hexanone	11.080	43	3321	0.274	ug/l	96
71) Bromoform	12.727	173	3880	0.509	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.816	83	427	Below Cal	#	60
76) 1,2,3-Trichloropropane	12.727	75	312946	28.002	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	312946	76.617	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	1467	3.180	ug/l	92
95) Naphthalene	15.504	128	5384	5.307	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.692	180	1729	2.968	ug/l	92

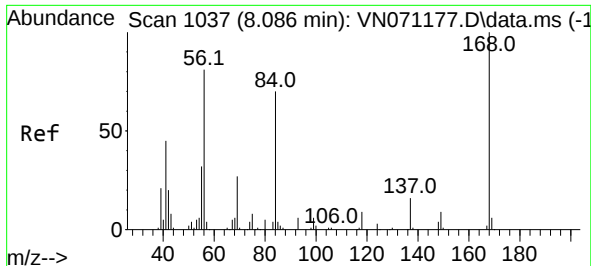
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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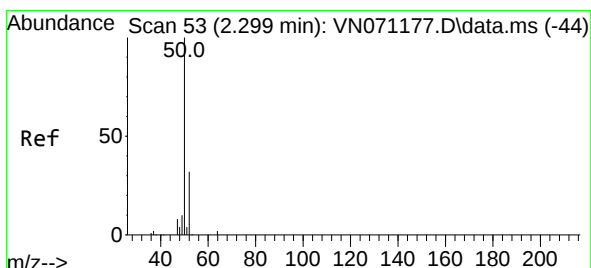
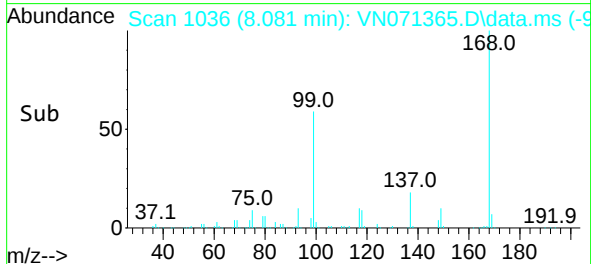
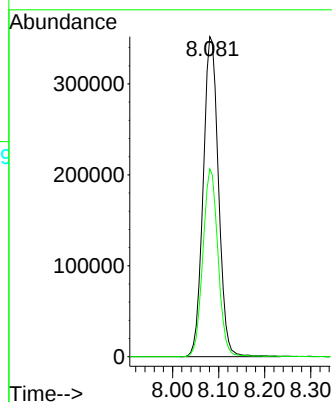
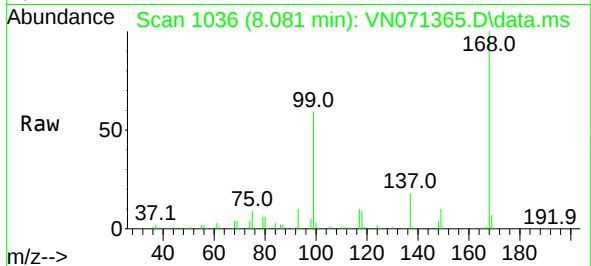




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

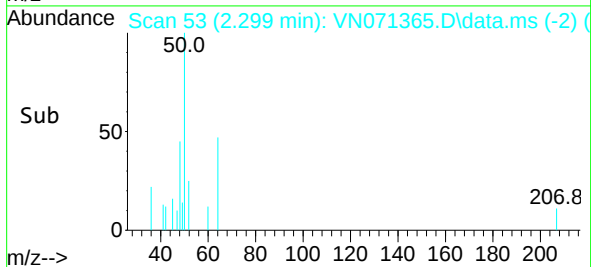
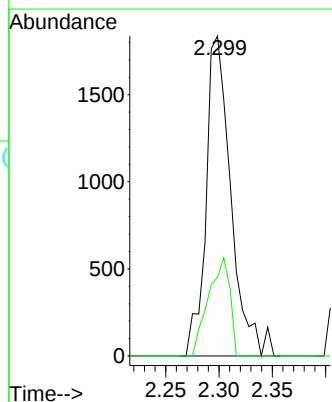
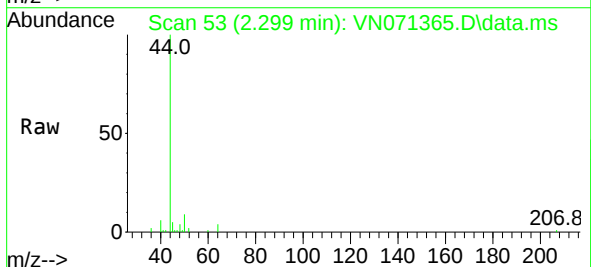
Instrument :
MSVOA_N
ClientSampleId :

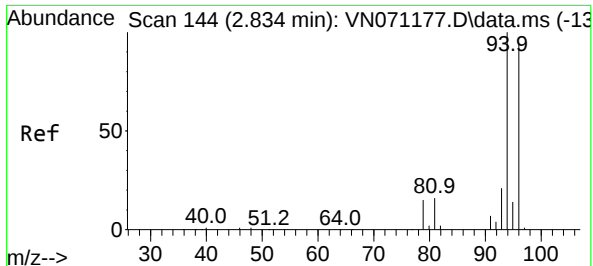
Tgt Ion:168 Resp: 816061
Ion Ratio Lower Upper
168 100
99 58.7 41.3 61.9



#3
Chloromethane
Concen: 0.215 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

Tgt Ion: 50 Resp: 2991
Ion Ratio Lower Upper
50 100
52 24.6 25.4 38.0#

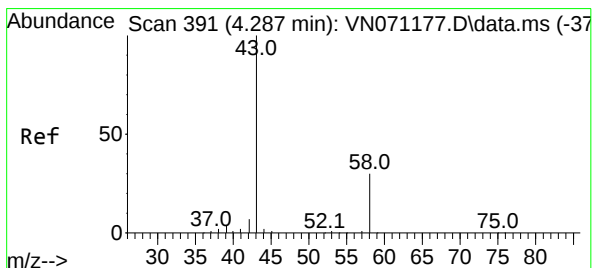
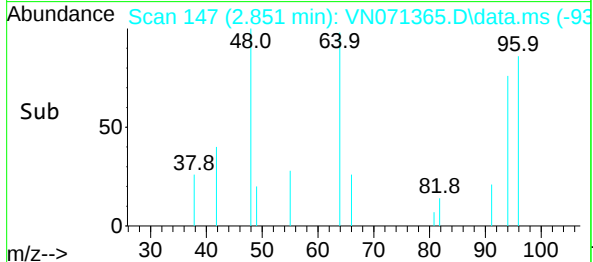
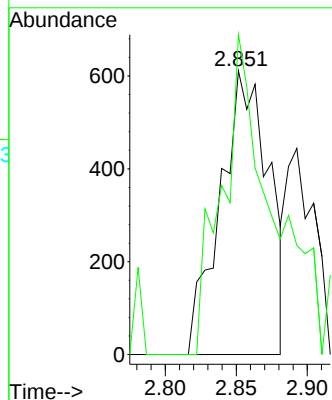
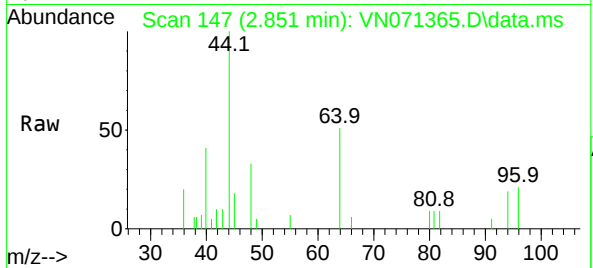




#5
Bromomethane
Concen: Below Cal
RT: 2.851 min Scan# 14
Delta R.T. 0.017 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

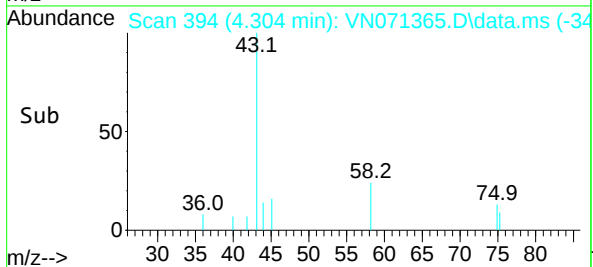
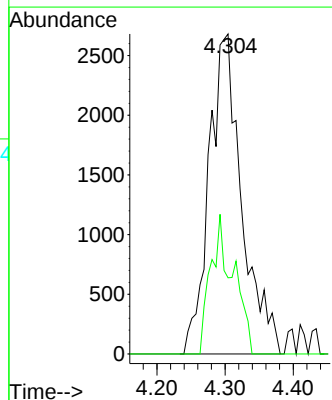
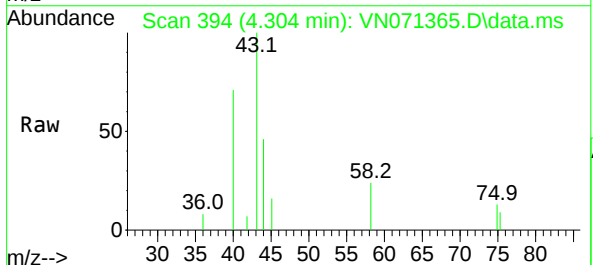
Instrument :
MSVOA_N
ClientSampleId :

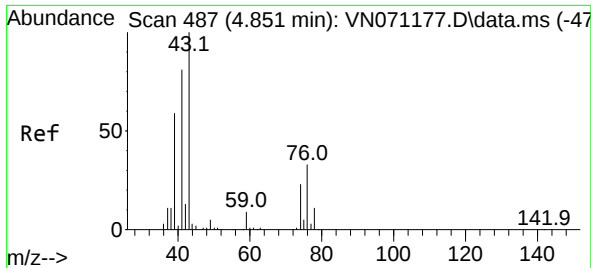
Tgt Ion: 94 Resp: 1450
Ion Ratio Lower Upper
94 100
96 112.8 73.8 110.8#



#16
Acetone
Concen: 1.645 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.018 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

Tgt Ion: 43 Resp: 8952
Ion Ratio Lower Upper
43 100
58 23.8 23.1 34.7

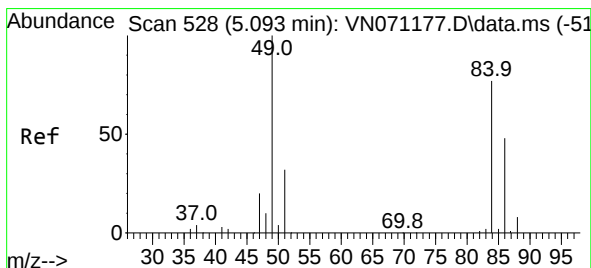
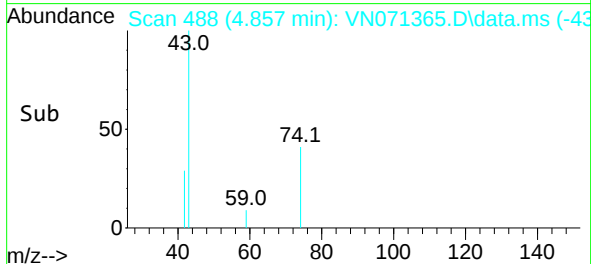
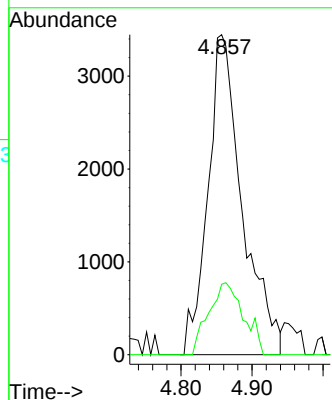
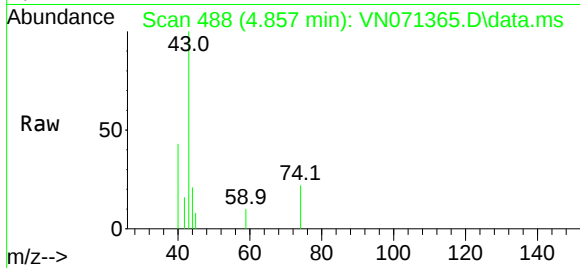




#18
Methyl Acetate
Concen: 1.256 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

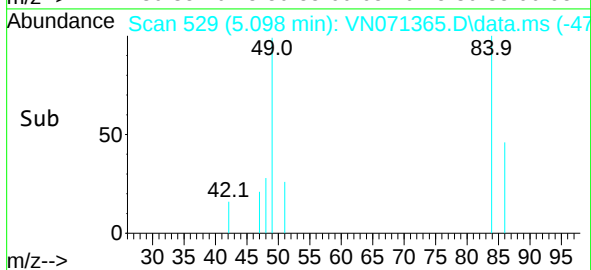
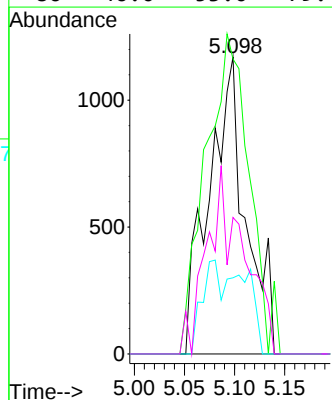
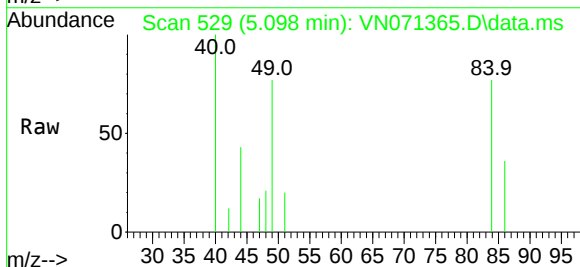
Instrument :
MSVOA_N
ClientSampleId :

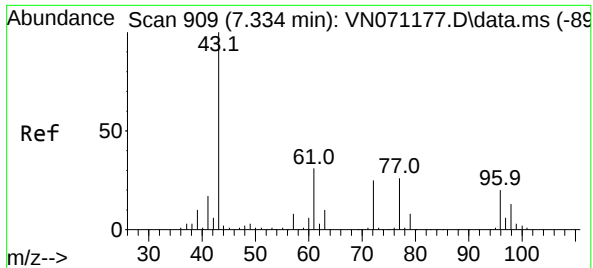
Tgt Ion: 43 Resp: 11592
Ion Ratio Lower Upper
43 100
74 22.8 19.4 29.2



#20
Methylene Chloride
Concen: 0.680 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

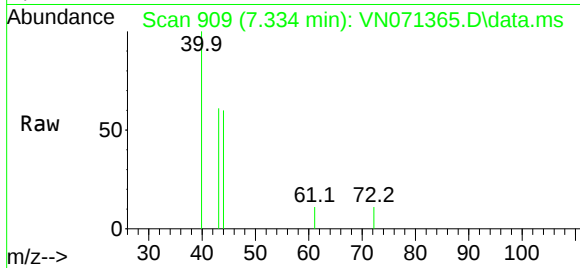
Tgt Ion: 84 Resp: 2986
Ion Ratio Lower Upper
84 100
49 99.3 93.5 140.3
51 25.6 29.4 44.2#
86 46.0 53.0 79.4#



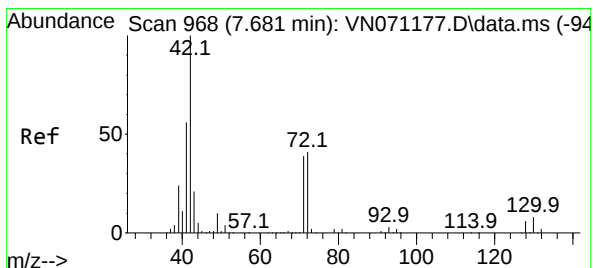
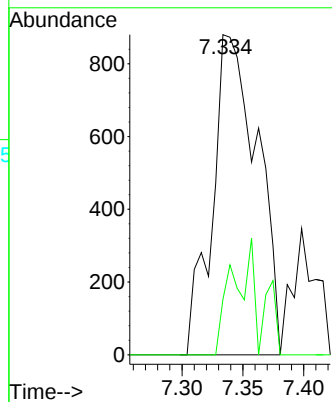
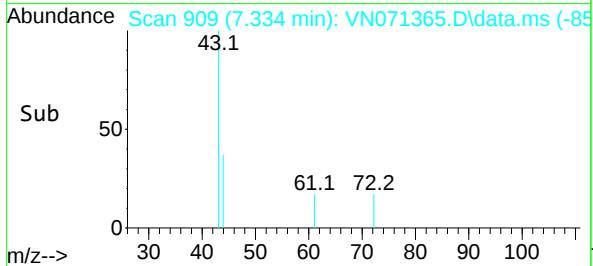


#25
2-Butanone
Concen: 0.259 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

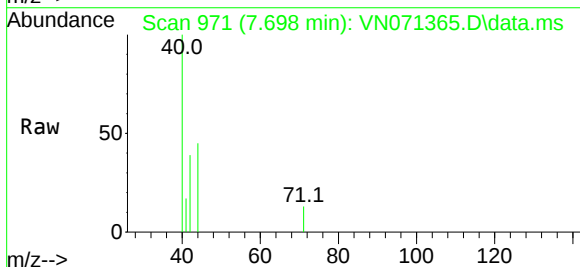
Instrument :
MSVOA_N
ClientSampleId :



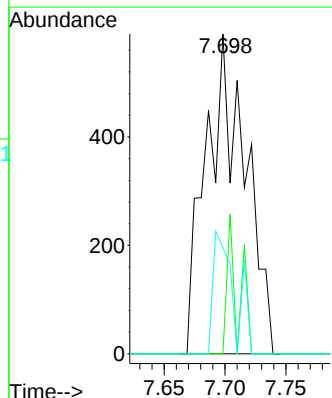
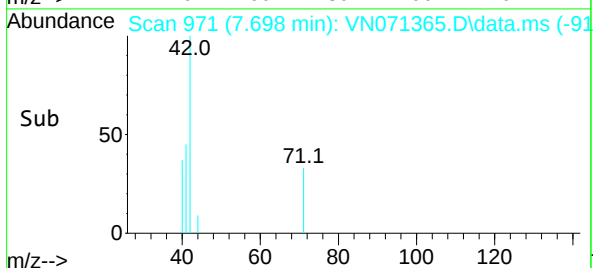
Tgt Ion: 43 Resp: 2267
Ion Ratio Lower Upper
43 100
72 17.3 21.7 32.5#

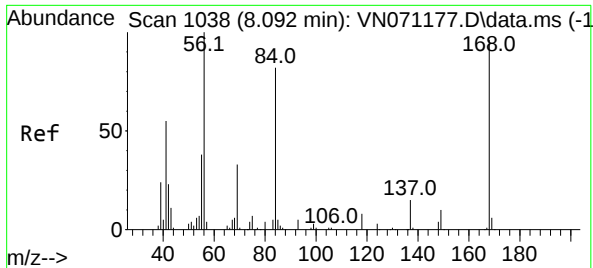


#29
Tetrahydrofuran
Concen: 0.218 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.018 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04



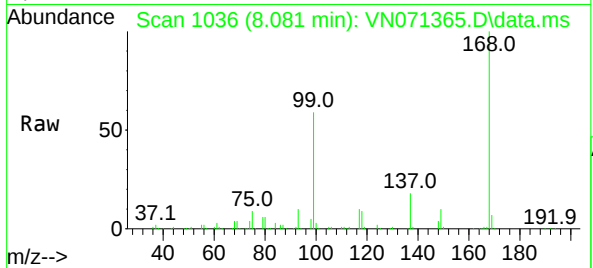
Tgt Ion: 42 Resp: 1325
Ion Ratio Lower Upper
42 100
72 12.2 36.3 54.5#
71 20.2 34.7 52.1#



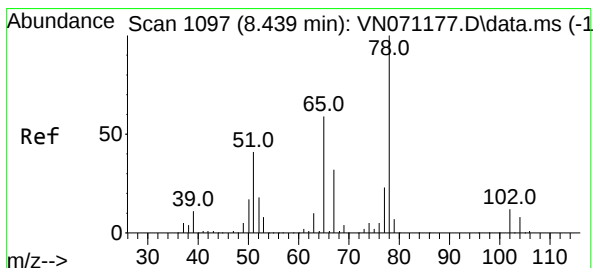
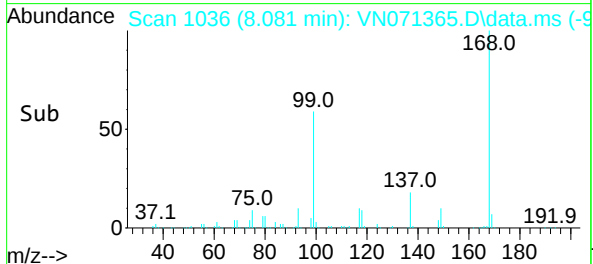
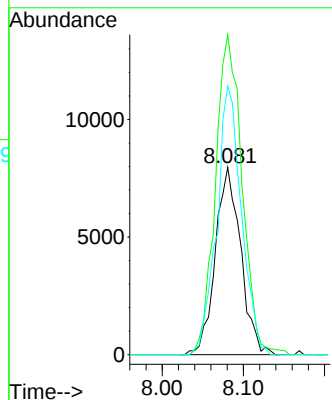


#31
Cyclohexane
Concen: 0.969 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

Instrument :
MSVOA_N
ClientSampleId :

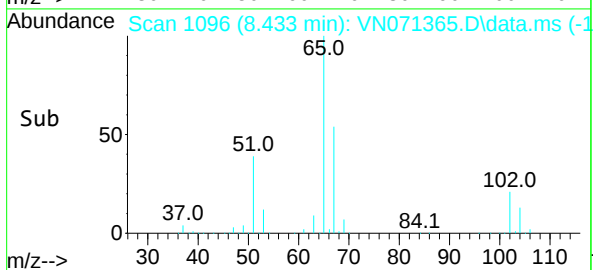
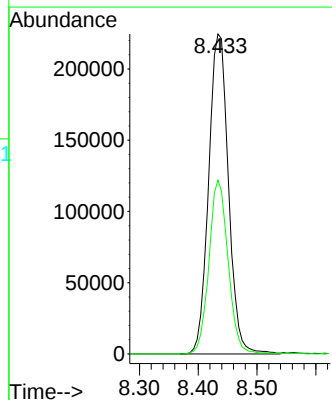
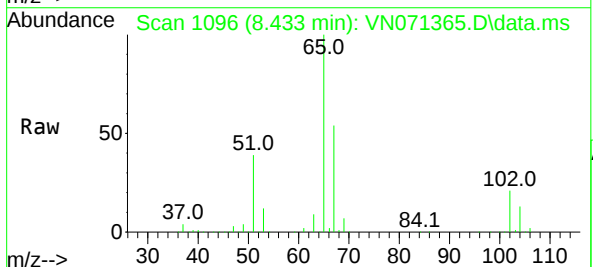


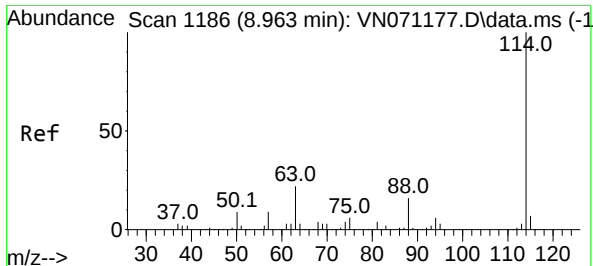
Tgt Ion: 56 Resp: 17312
Ion Ratio Lower Upper
56 100
69 170.8 27.1 40.7#
84 143.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 46.933 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

Tgt Ion: 65 Resp: 524919
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071365.D

Acq: 18 Mar 2022 12:04

Instrument :

MSVOA_N

ClientSampleId :

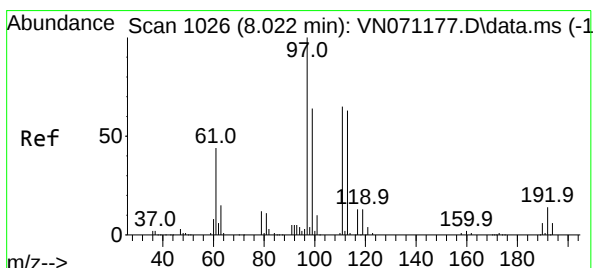
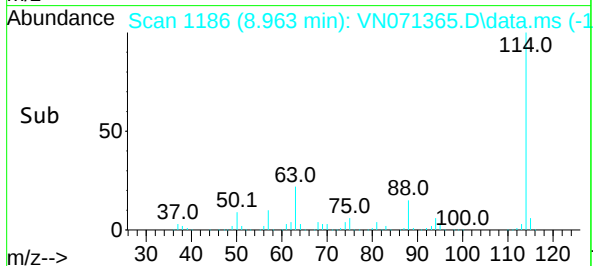
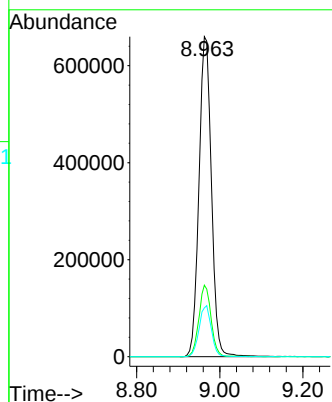
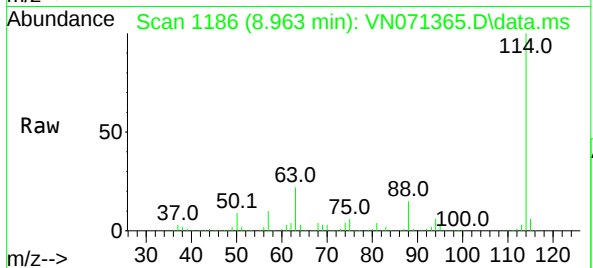
Tgt Ion:114 Resp: 1373519

Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

88 15.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 47.050 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VN071365.D

Acq: 18 Mar 2022 12:04

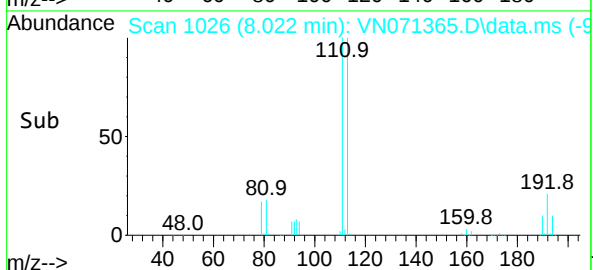
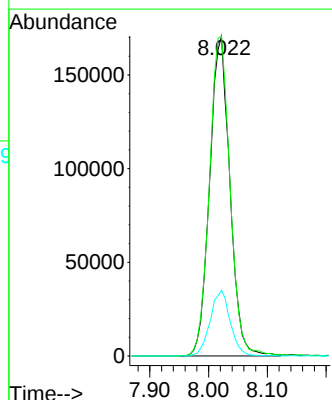
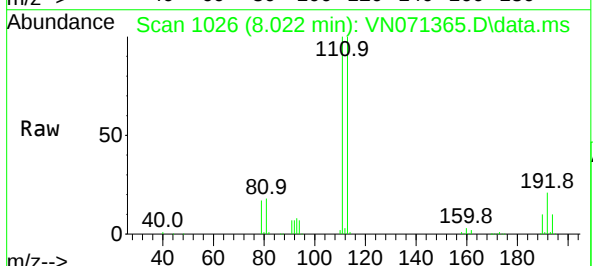
Tgt Ion:113 Resp: 407797

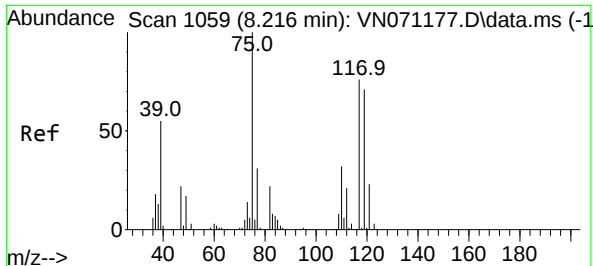
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 20.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.712 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

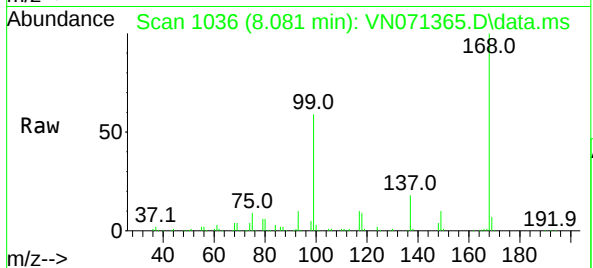
Lab File: VN071365.D

Acq: 18 Mar 2022 12:04

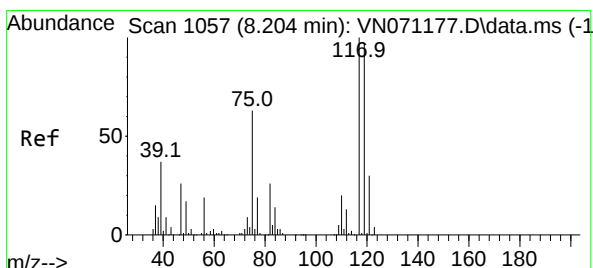
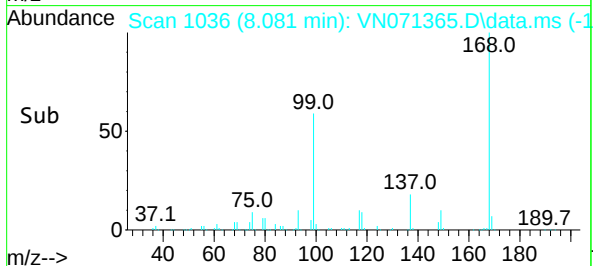
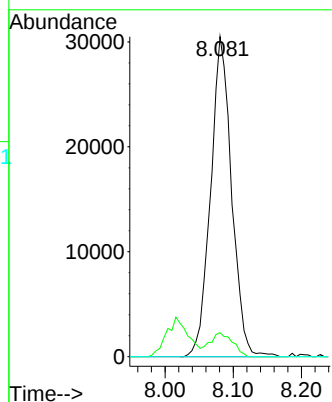
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 65442
Ion Ratio	Lower Upper
75	100
110	8.2 18.4 55.2#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.912 ug/l

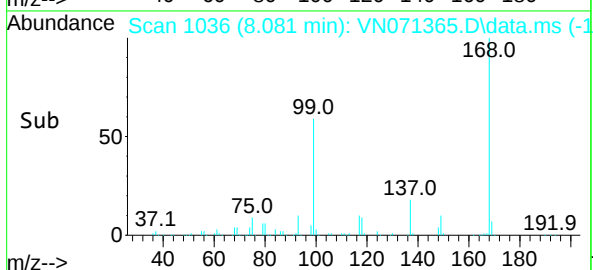
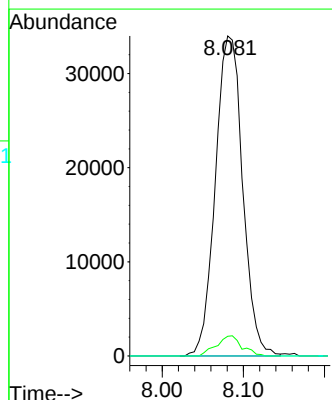
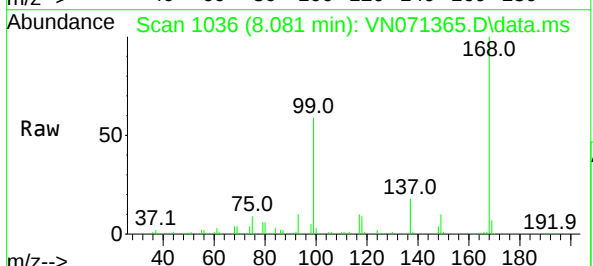
RT: 8.081 min Scan# 1036

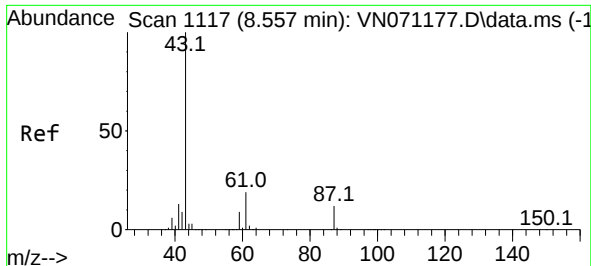
Delta R.T. -0.124 min

Lab File: VN071365.D

Acq: 18 Mar 2022 12:04

Tgt Ion: 117	Resp: 79410
Ion Ratio	Lower Upper
117	100
119	6.1 76.1 114.1#
121	0.0 24.2 36.2#

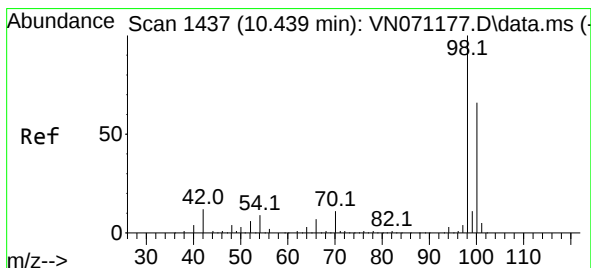
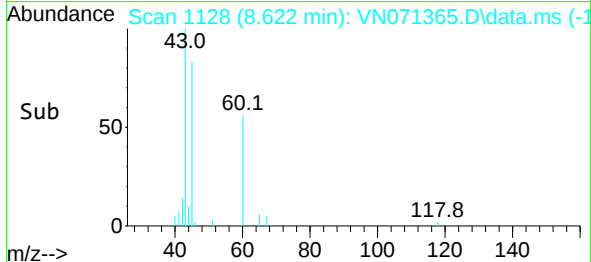
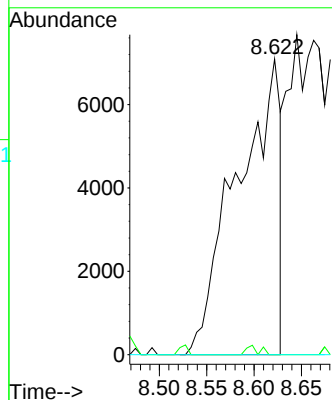
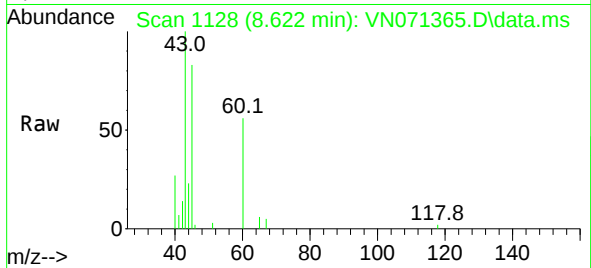




#43
Isopropyl Acetate
Concen: 0.783 ug/l
RT: 8.622 min Scan# 1117
Delta R.T. 0.065 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

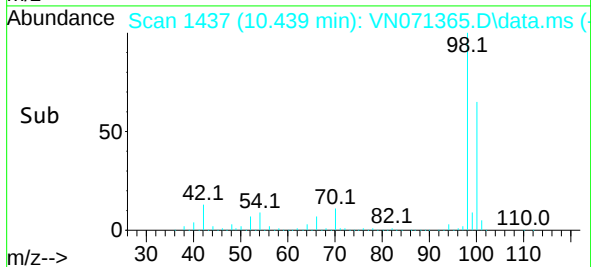
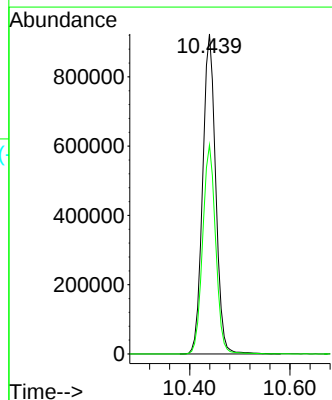
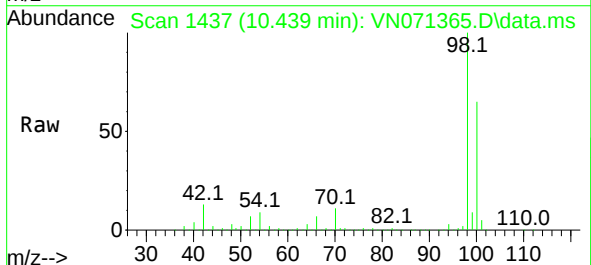
Instrument :
MSVOA_N
ClientSampleId :

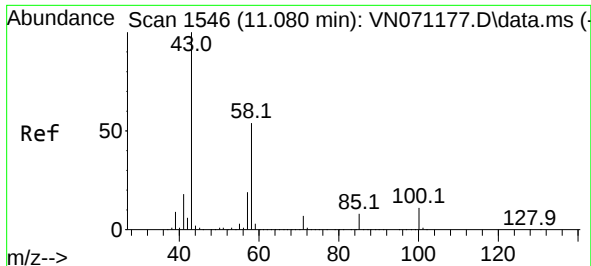
Tgt Ion: 43 Resp: 22386
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 47.673 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

Tgt Ion: 98 Resp: 1663674
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6





#59

2-Hexanone

Concen: 0.274 ug/l

RT: 11.080 min Scan# 1546

Delta R.T. 0.000 min

Lab File: VN071365.D

Acq: 18 Mar 2022 12:04

Instrument :

MSVOA_N

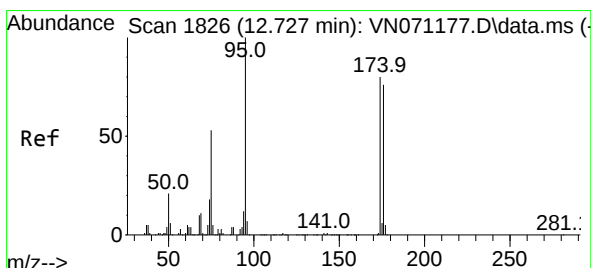
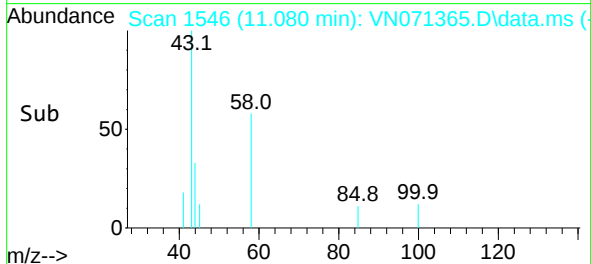
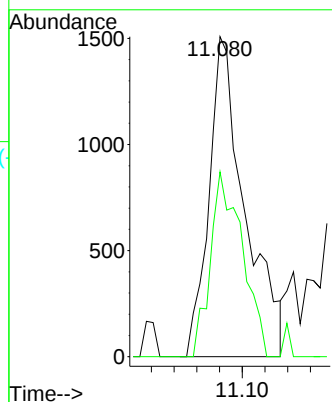
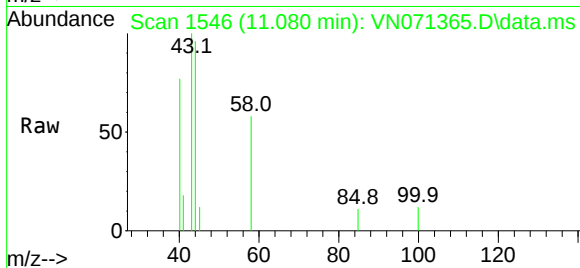
ClientSampleId :

Tgt Ion: 43 Resp: 3321

Ion Ratio Lower Upper

43 100

58 51.1 26.9 80.7



#62

4-Bromofluorobenzene

Concen: 51.194 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN071365.D

Acq: 18 Mar 2022 12:04

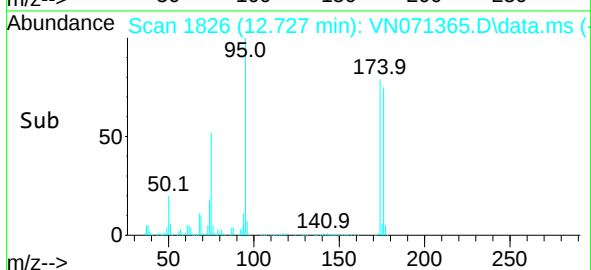
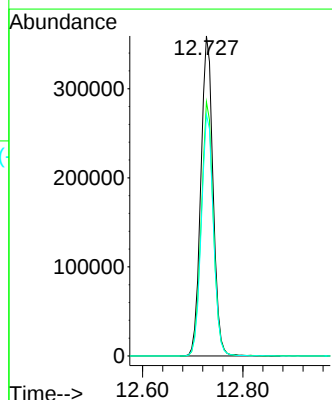
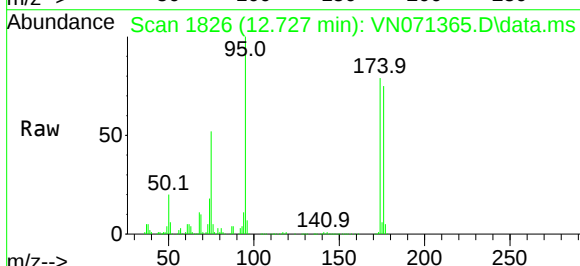
Tgt Ion: 95 Resp: 604962

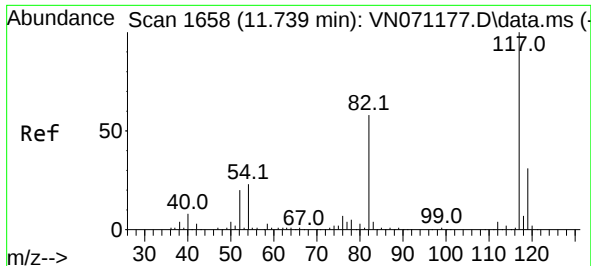
Ion Ratio Lower Upper

95 100

174 78.7 0.0 187.2

176 75.1 0.0 181.4

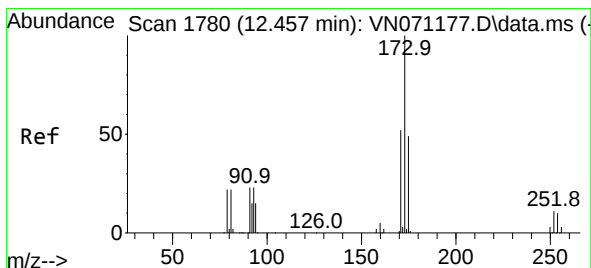
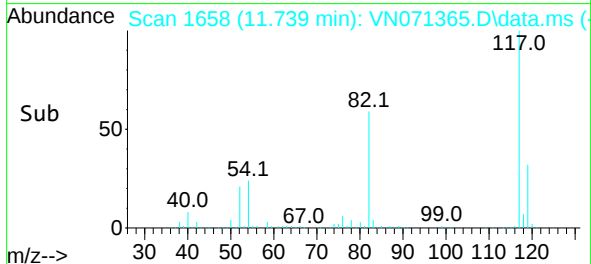
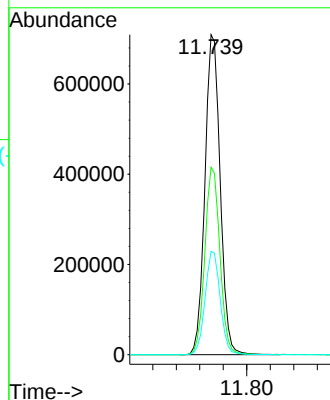
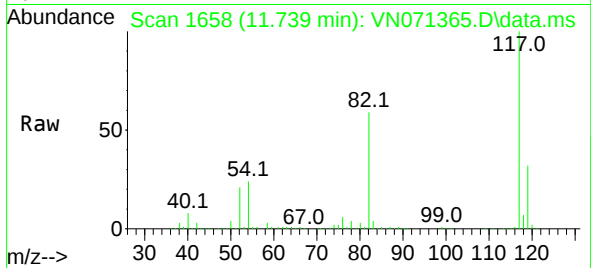




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

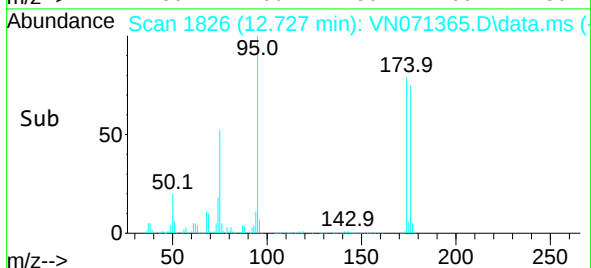
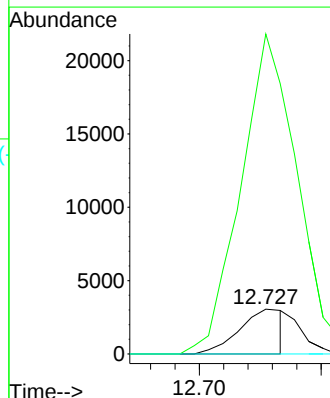
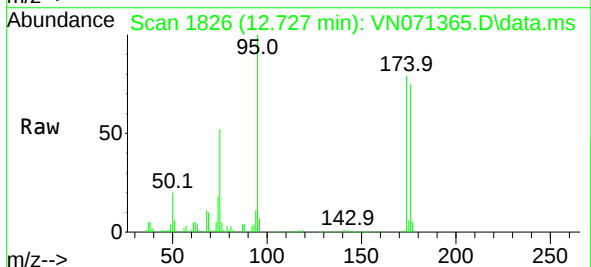
Instrument :
MSVOA_N
ClientSampleId :

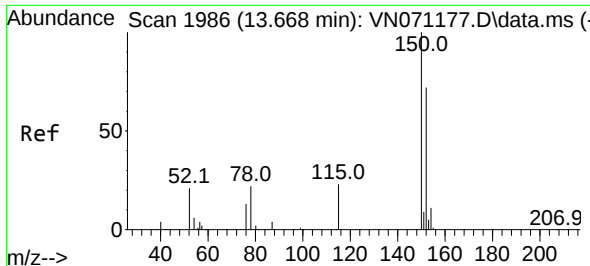
Tgt Ion:117 Resp: 1274753
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 32.3 25.4 38.2



#71
Bromoform
Concen: 0.509 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

Tgt Ion:173 Resp: 3880
Ion Ratio Lower Upper
173 100
175 668.9 24.2 72.6#
254 0.0 0.0 0.0

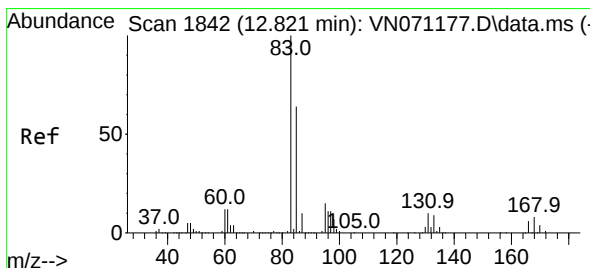
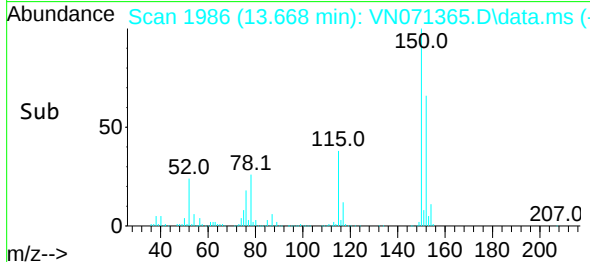
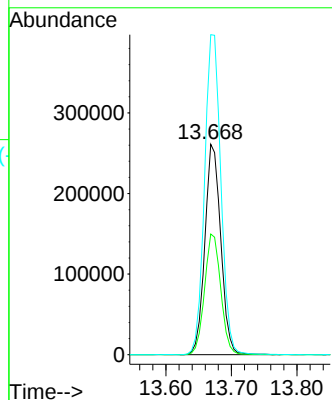
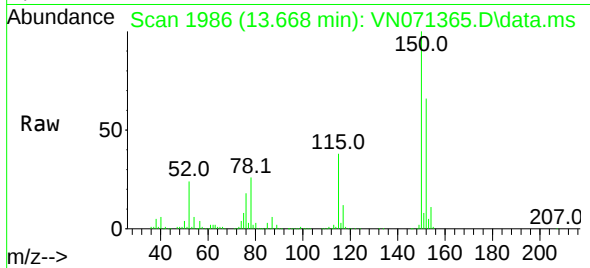




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN071365.D
 Acq: 18 Mar 2022 12:04

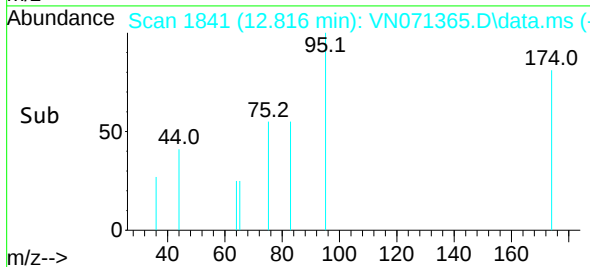
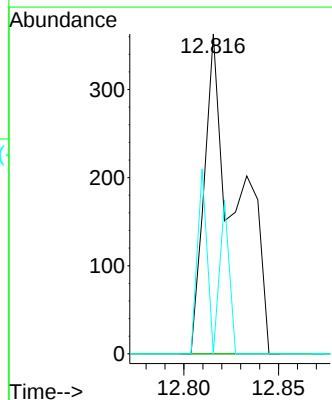
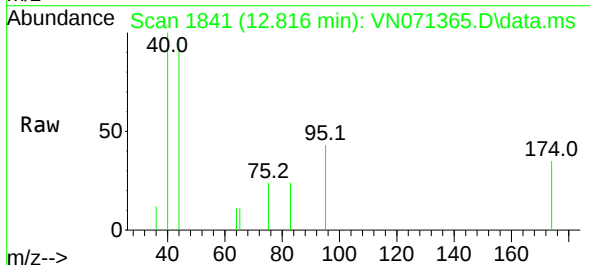
Instrument :
 MSVOA_N
 ClientSampleId :

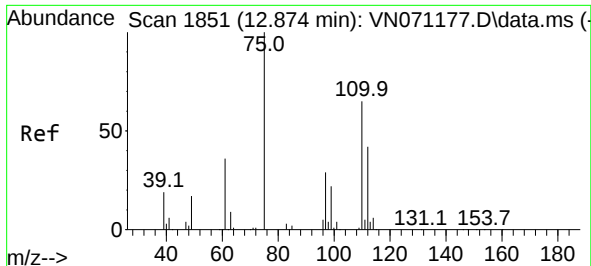
Tgt Ion:152 Resp: 441541
 Ion Ratio Lower Upper
 152 100
 115 58.3 27.5 82.5
 150 156.2 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.816 min Scan# 1841
 Delta R.T. -0.005 min
 Lab File: VN071365.D
 Acq: 18 Mar 2022 12:04

Tgt Ion: 83 Resp: 427
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 31.9 32.4 97.2#

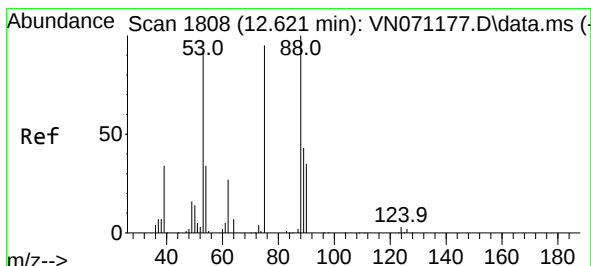
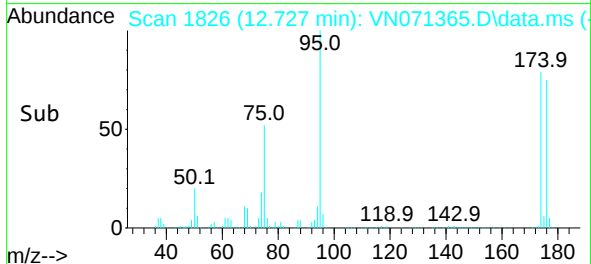
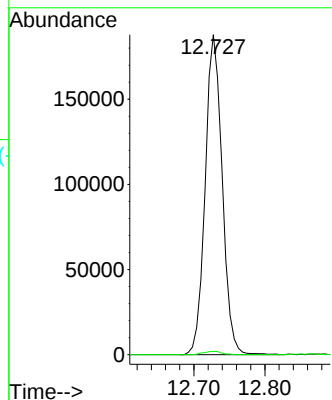
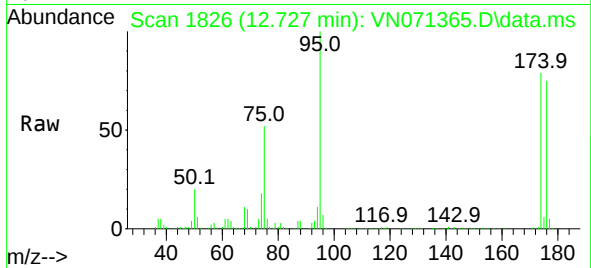




#76
1,2,3-Trichloropropane
Concen: 28.002 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

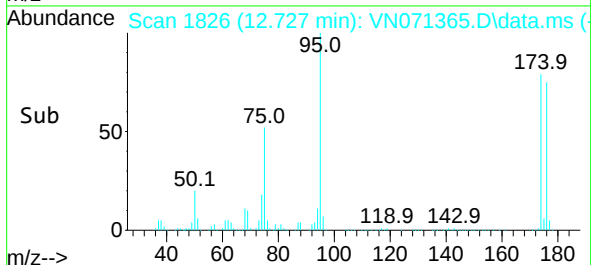
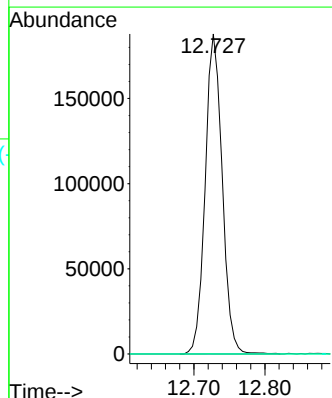
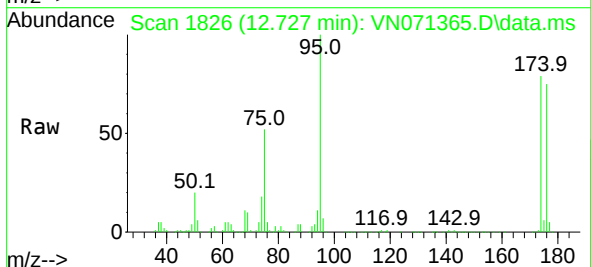
Instrument :
MSVOA_N
ClientSampleId :

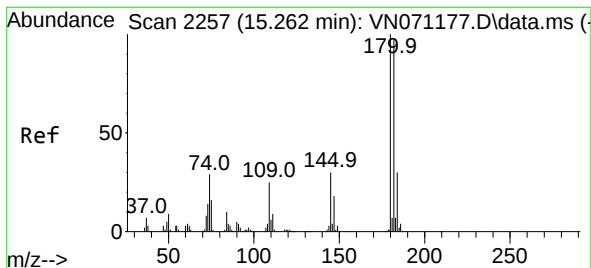
Tgt Ion: 75 Resp: 312946
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.617 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

Tgt Ion: 75 Resp: 312946
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

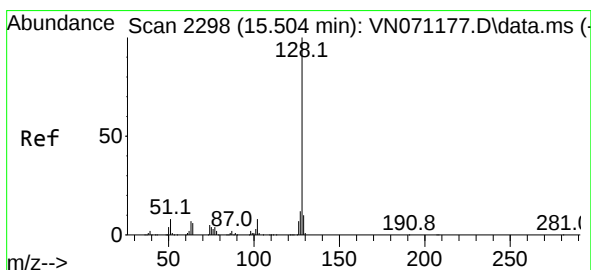
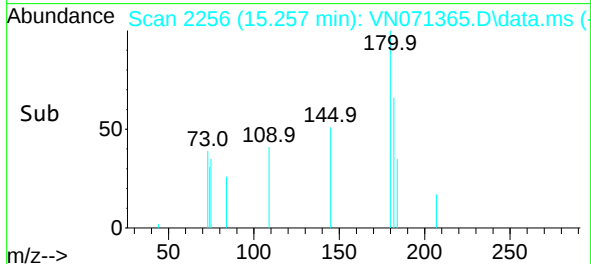
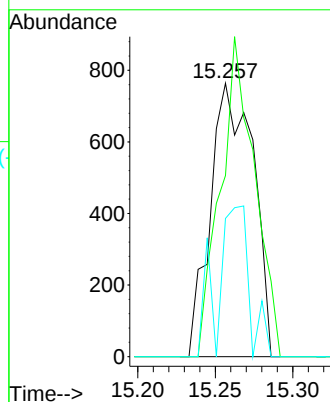
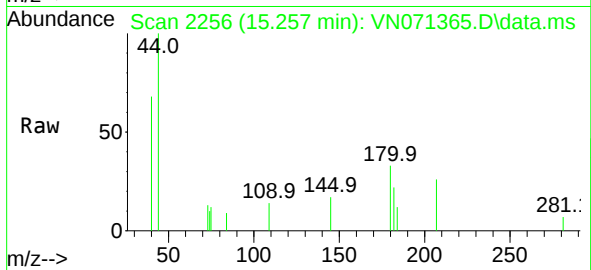




#93
1,2,4-Trichlorobenzene
Concen: 3.180 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

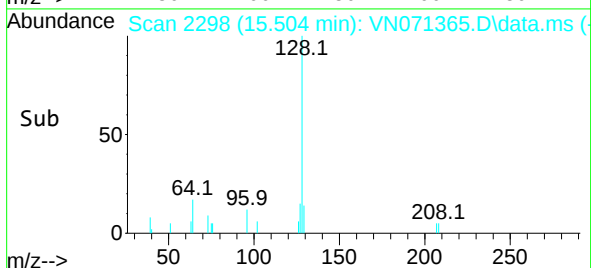
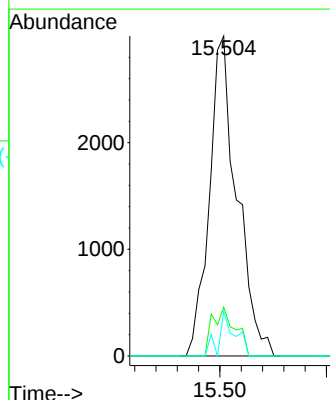
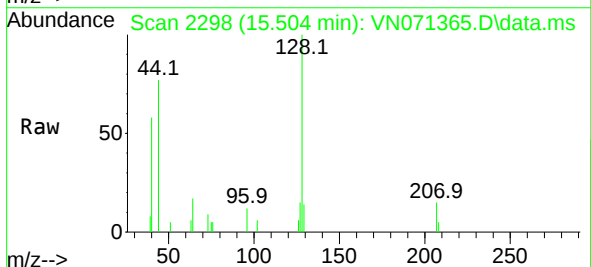
Instrument :
MSVOA_N
ClientSampleId :

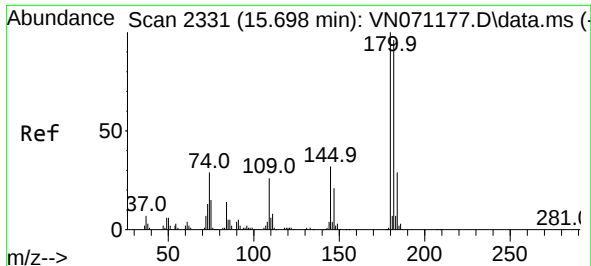
Tgt Ion:180 Resp: 1467
Ion Ratio Lower Upper
180 100
182 93.3 48.3 144.9
145 41.2 14.5 43.5



#95
Naphthalene
Concen: 5.307 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071365.D
Acq: 18 Mar 2022 12:04

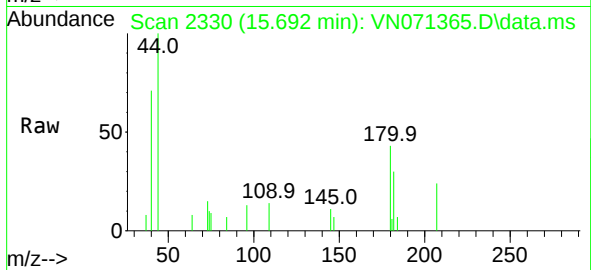
Tgt Ion:128 Resp: 5384
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 8.1 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.968 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071365.D
 Acq: 18 Mar 2022 12:04

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1729
Ion	Ratio	Lower	Upper
180	100		
182	100.2	47.4	142.2
145	21.7	15.0	45.1

