

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050422\
 Data File : VN072320.D
 Acq On : 04 May 2022 11:42
 Operator : JC\MD
 Sample : VN0504WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0504WBL01

Quant Time: May 04 14:19:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

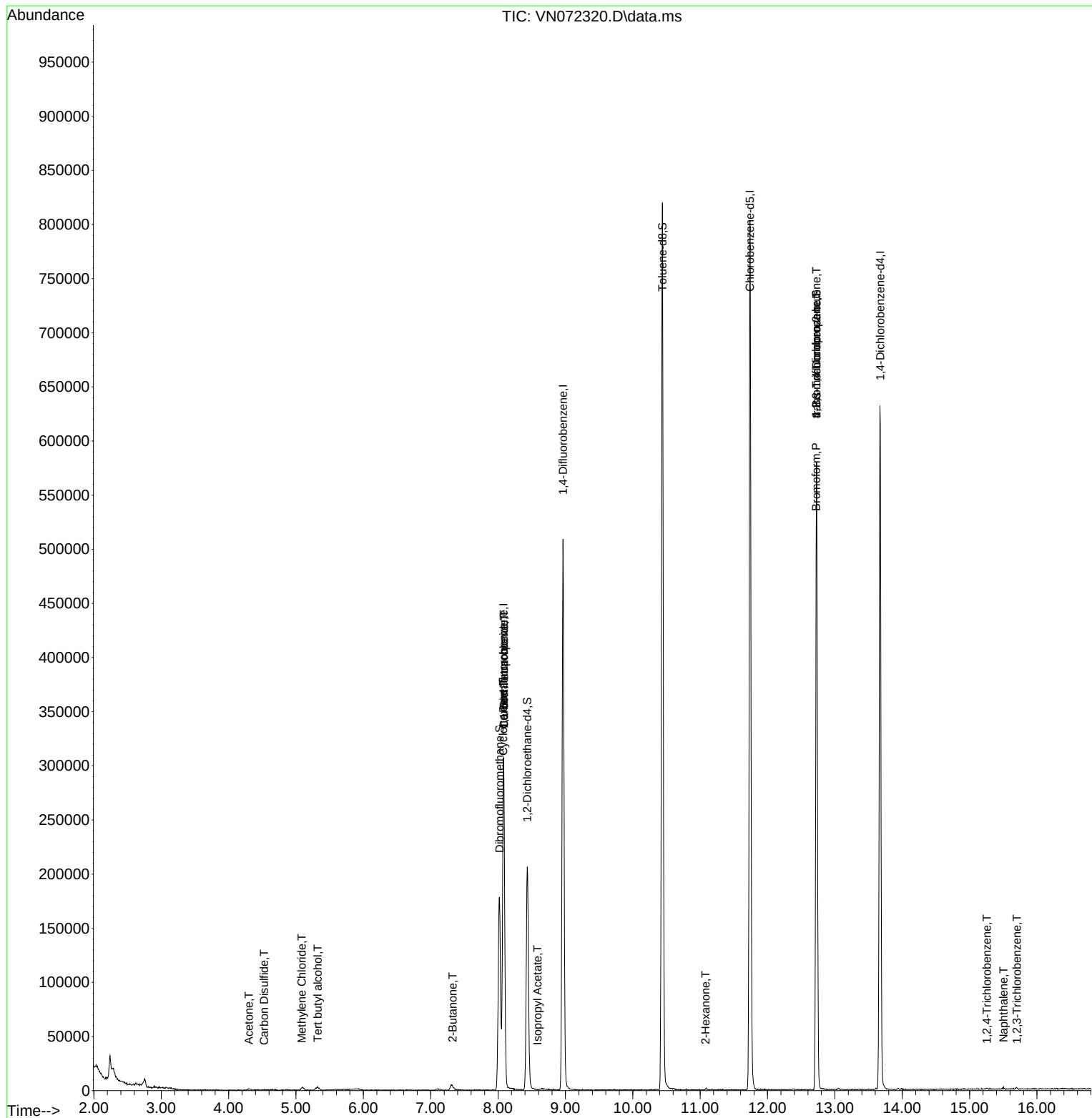
Internal Standards						
1) Pentafluorobenzene	8.081	168	214488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	415785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	449072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	165667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	177242	53.826	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 107.660%		
35) Dibromofluoromethane	8.022	113	134277	50.456	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 100.920%		
50) Toluene-d8	10.439	98	545802	52.194	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 104.380%		
62) 4-Bromofluorobenzene	12.727	95	197996	57.044	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 114.080%		
Target Compounds						
						Qvalue
3) Chloromethane	2.299	50	891	Below Cal		98
5) Bromomethane	2.846	94	199	Below Cal		96
6) Chloroethane	3.016	64	1394	Below Cal	#	42
11) Tert butyl alcohol	5.322	59	2706	5.001	ug/l #	72
16) Acetone	4.299	43	1574	1.109	ug/l #	42
17) Carbon Disulfide	4.528	76	171	0.398	ug/l #	75
20) Methylene Chloride	5.087	84	1862	0.684	ug/l #	78
25) 2-Butanone	7.328	43	606	0.268	ug/l #	45
31) Cyclohexane	8.075	56	5518	1.254	ug/l #	47
36) 1,1-Dichloropropene	8.086	75	19206	4.958	ug/l #	49
38) Carbon Tetrachloride	8.086	117	22775	5.490	ug/l #	15
43) Isopropyl Acetate	8.586	43	130	0.817	ug/l #	53
59) 2-Hexanone	11.080	43	1220	0.357	ug/l	78
71) Bromoform	12.722	173	603	0.237	ug/l #	28
76) 1,2,3-Trichloropropane	12.727	75	110364	29.662	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	110364	77.028	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.257	180	454	2.589	ug/l #	76
95) Naphthalene	15.504	128	1938	4.506	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.704	180	389	2.818	ug/l	85

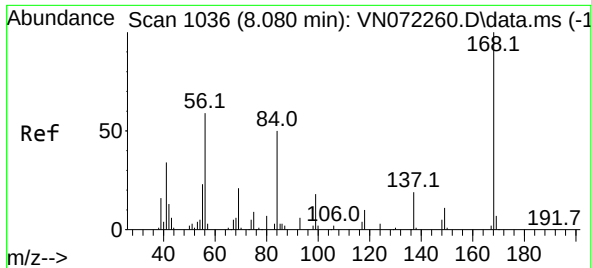
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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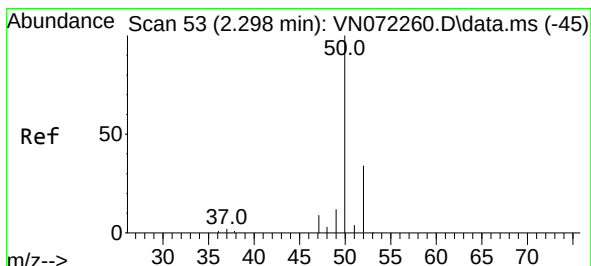
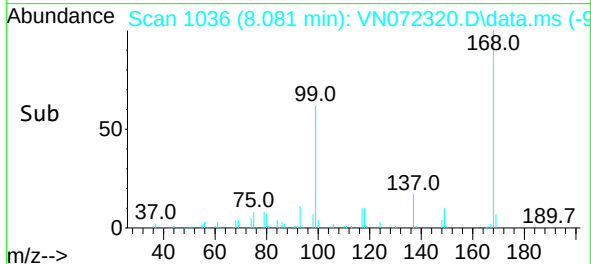
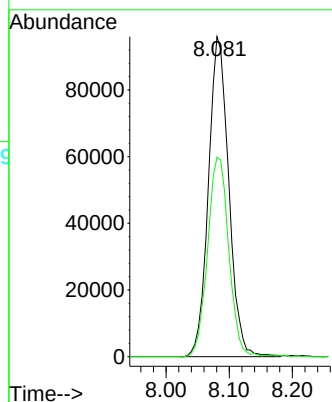
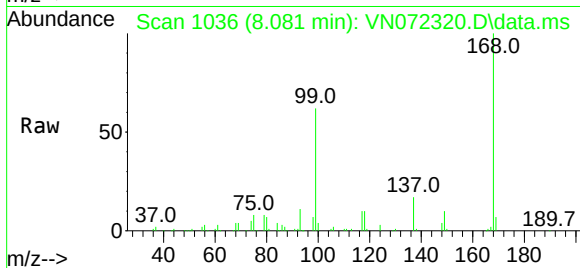




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

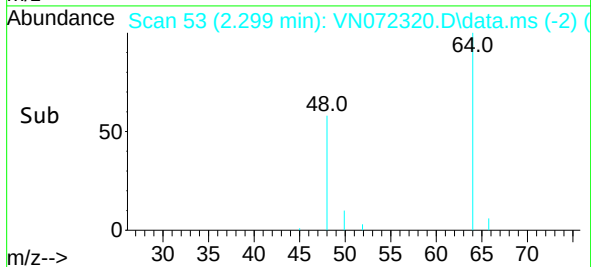
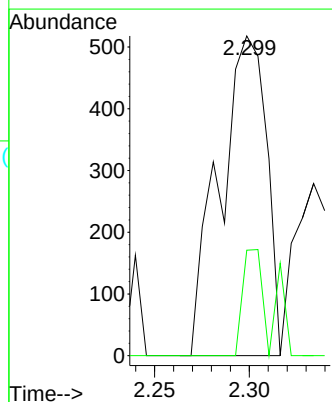
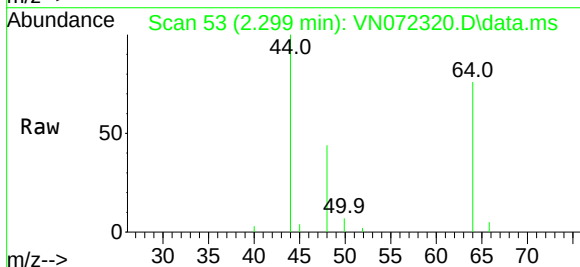
Instrument :
MSVOA_N
ClientSampleId :
VN0504WBL01

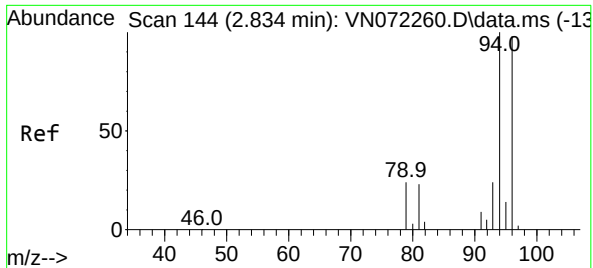
Tgt Ion:168 Resp: 214488
Ion Ratio Lower Upper
168 100
99 62.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

Tgt Ion: 50 Resp: 891
Ion Ratio Lower Upper
50 100
52 33.0 25.7 38.5

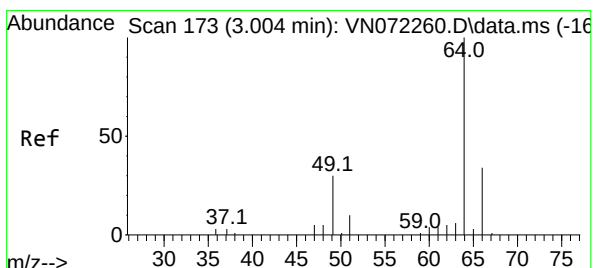
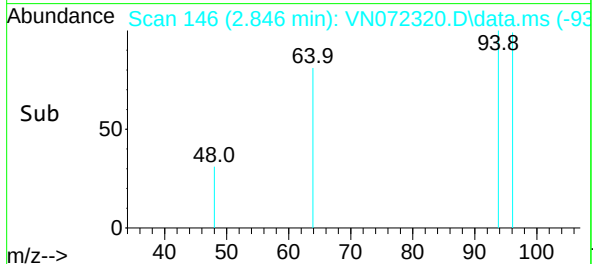
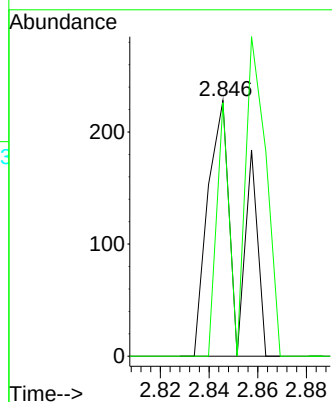
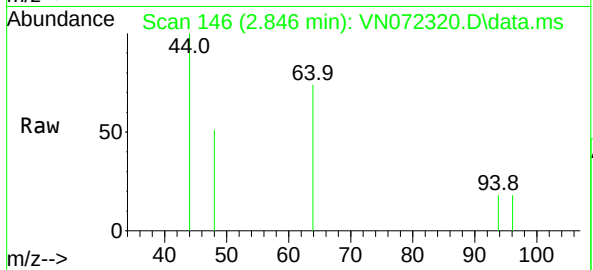




#5
Bromomethane
Concen: Below Cal
RT: 2.846 min Scan# 144
Delta R.T. 0.012 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

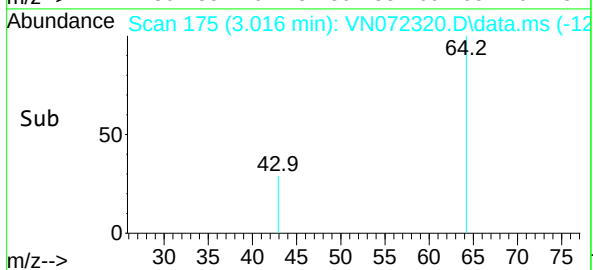
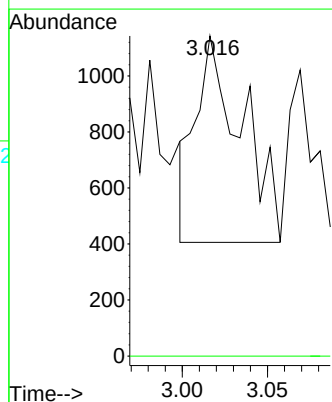
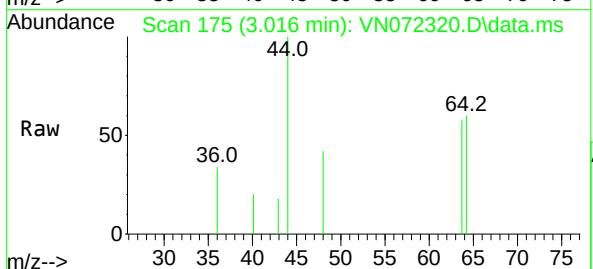
Instrument :
MSVOA_N
ClientSampleId :
VN0504WBL01

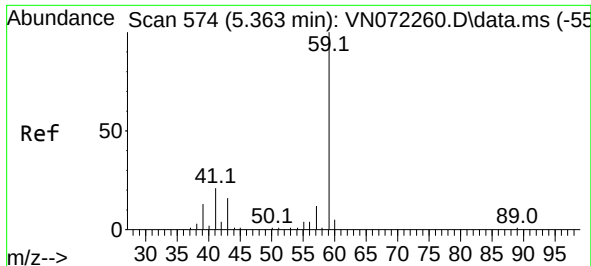
Tgt Ion: 94 Resp: 199
Ion Ratio Lower Upper
94 100
96 99.1 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 3.016 min Scan# 175
Delta R.T. 0.011 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

Tgt Ion: 64 Resp: 1394
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

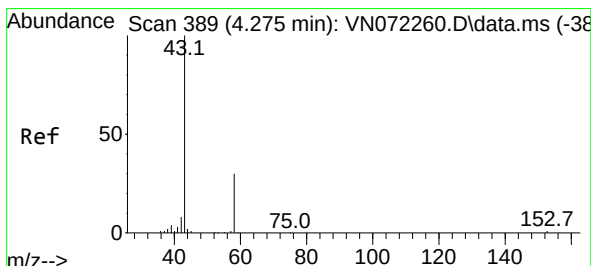
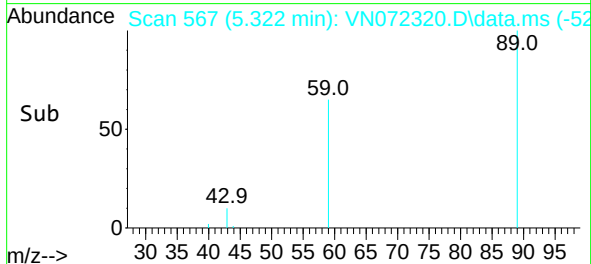
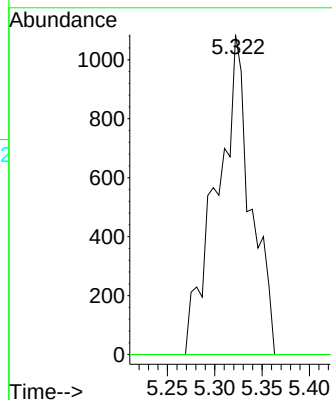
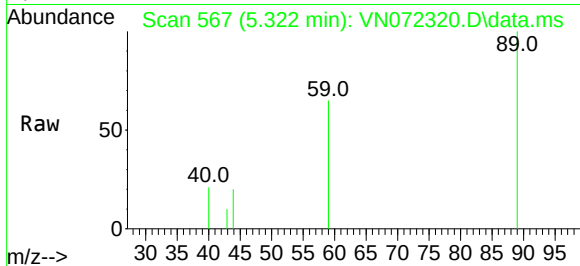




#11
Tert butyl alcohol
Concen: 5.001 ug/l
RT: 5.322 min Scan# 50
Delta R.T. -0.041 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

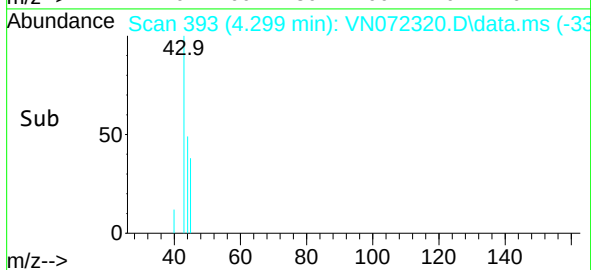
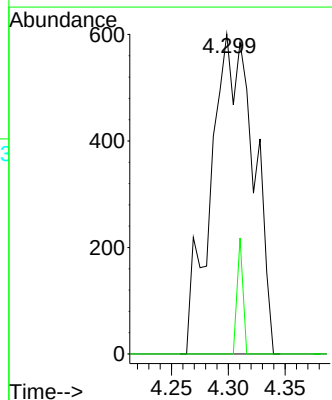
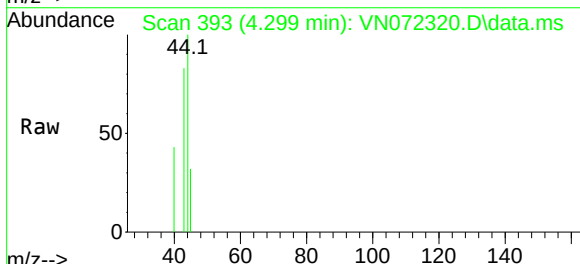
Instrument :
MSVOA_N
ClientSampleId :
VN0504WBL01

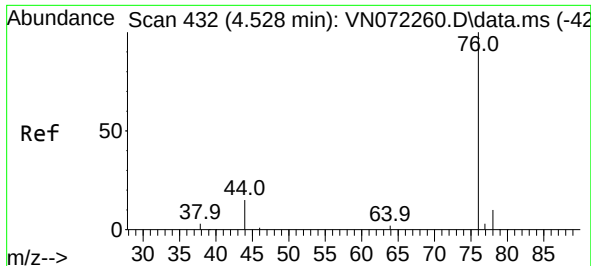
Tgt Ion: 59 Resp: 2706
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.109 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.018 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#

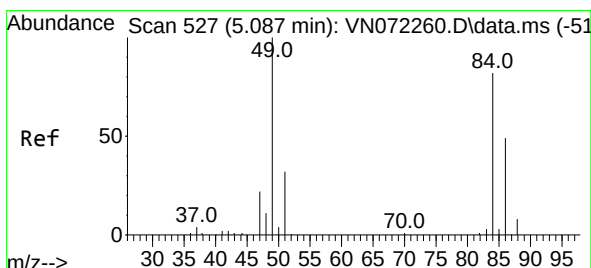
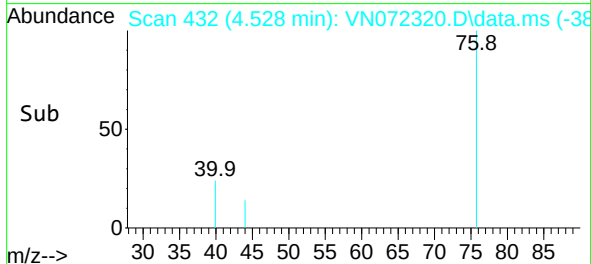
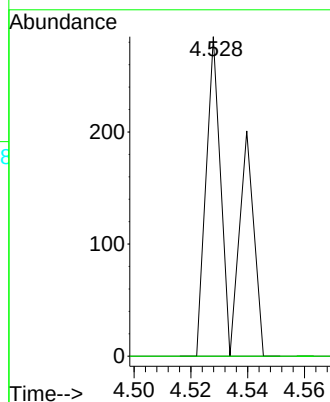
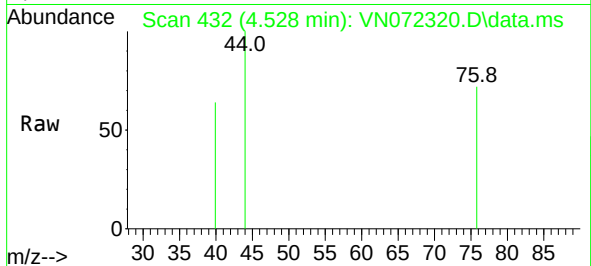




#17
Carbon Disulfide
Concen: 0.398 ug/l
RT: 4.528 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

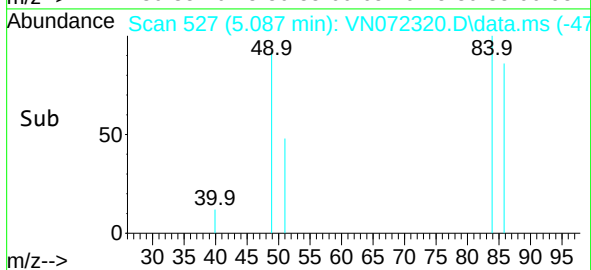
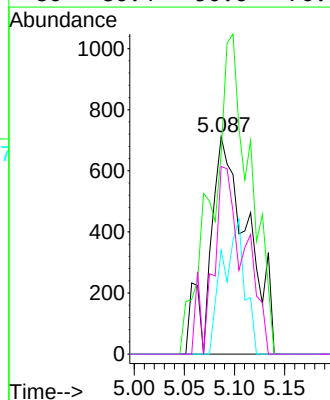
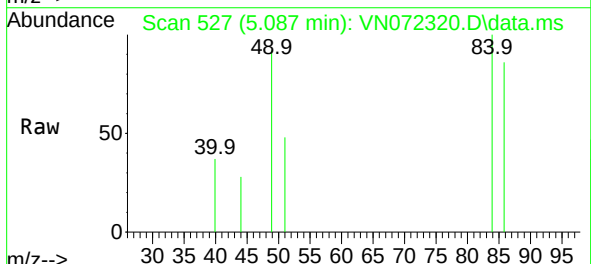
Instrument :
MSVOA_N
ClientSampleId :
VN0504WBL01

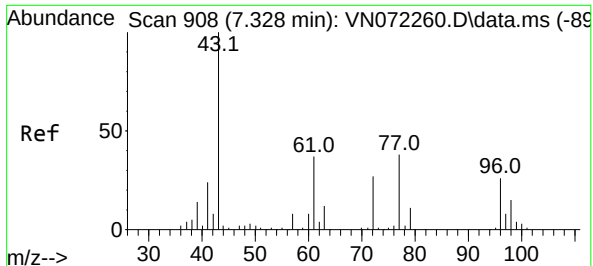
Tgt Ion: 76 Resp: 171
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.684 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.000 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

Tgt Ion: 84 Resp: 1862
Ion Ratio Lower Upper
84 100
49 92.4 88.3 132.5
51 47.8 28.2 42.2#
86 86.4 50.6 76.0#





#25

2-Butanone

Concen: 0.268 ug/l

RT: 7.328 min Scan# 90

Delta R.T. -0.000 min

Lab File: VN072320.D

Acq: 04 May 2022 11:42

Instrument :

MSVOA_N

ClientSampleId :

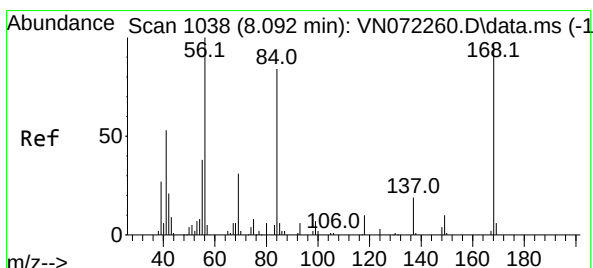
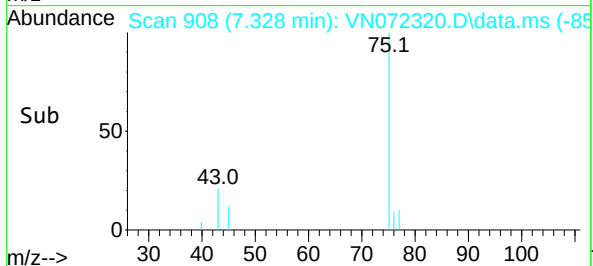
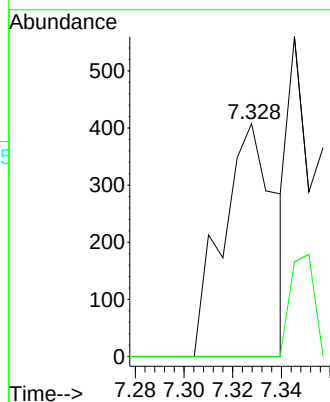
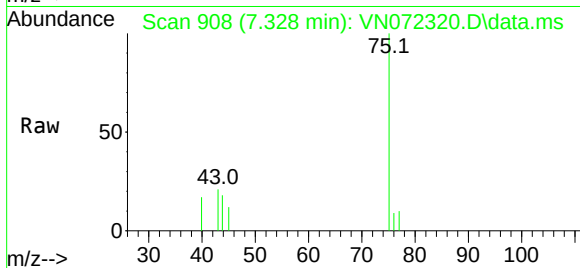
VN0504WBL01

Tgt Ion: 43 Resp: 606

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.254 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.017 min

Lab File: VN072320.D

Acq: 04 May 2022 11:42

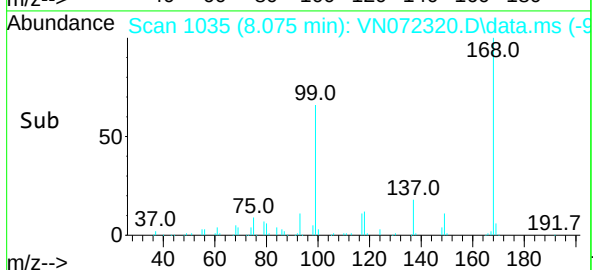
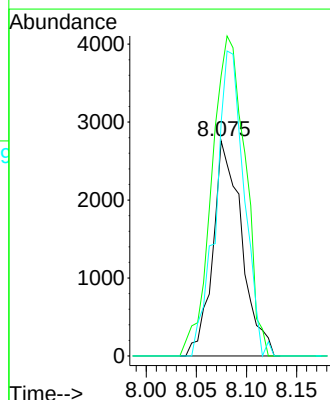
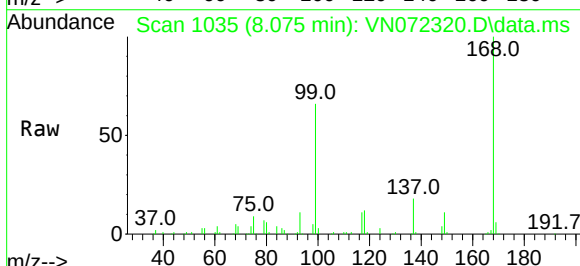
Tgt Ion: 56 Resp: 5518

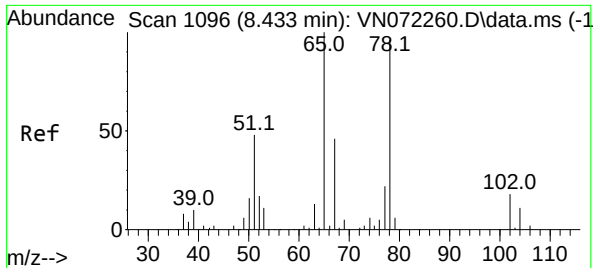
Ion Ratio Lower Upper

56 100

69 130.5 27.8 41.8#

84 108.7 76.9 115.3

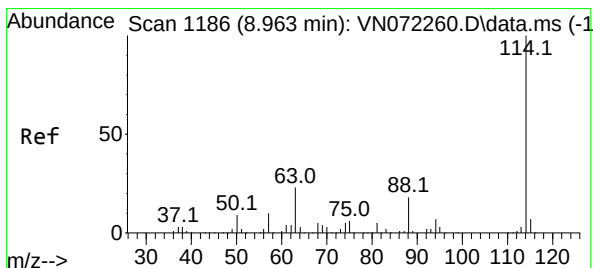
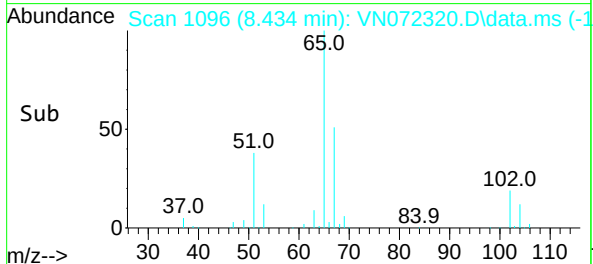
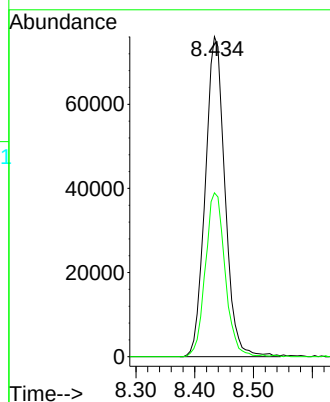
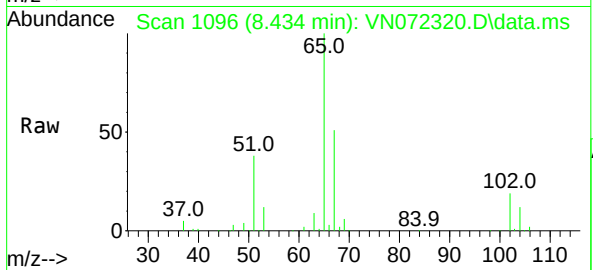




#33
1,2-Dichloroethane-d4
Concen: 53.826 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

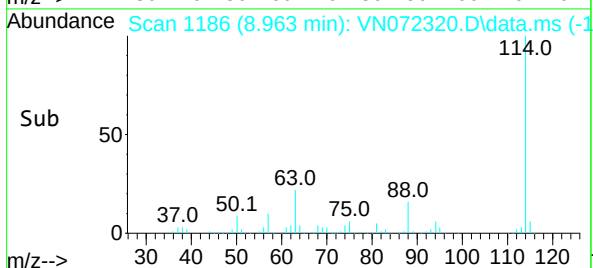
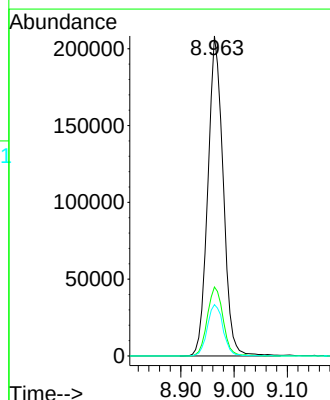
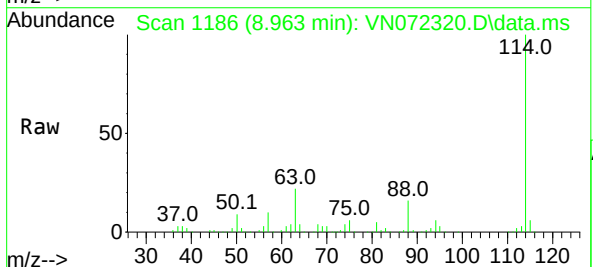
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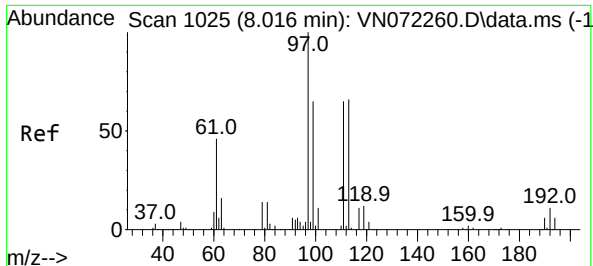
Tgt Ion: 65 Resp: 177242
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

Tgt Ion: 114 Resp: 415785
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.0
88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.456 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072320.D

Acq: 04 May 2022 11:42

Instrument :

MSVOA_N

ClientSampleId :

VN0504WBL01

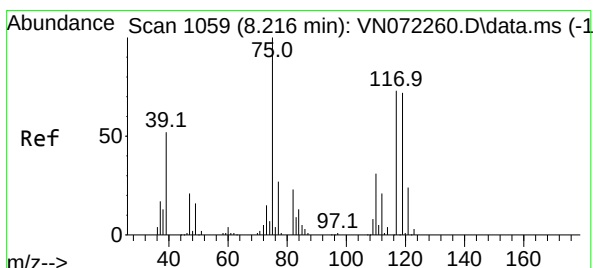
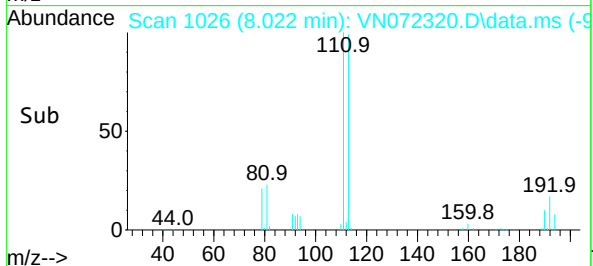
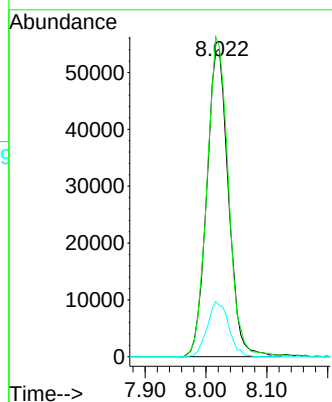
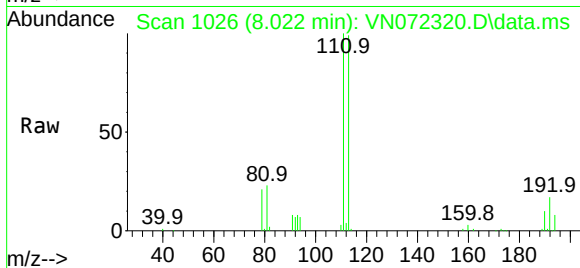
Tgt Ion:113 Resp: 134277

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 17.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.958 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072320.D

Acq: 04 May 2022 11:42

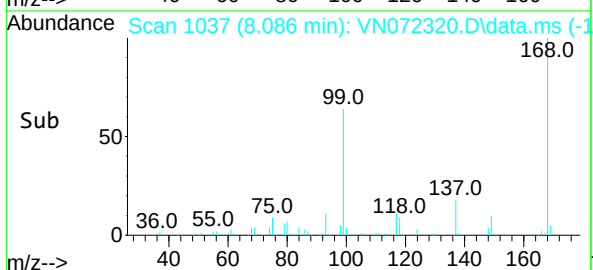
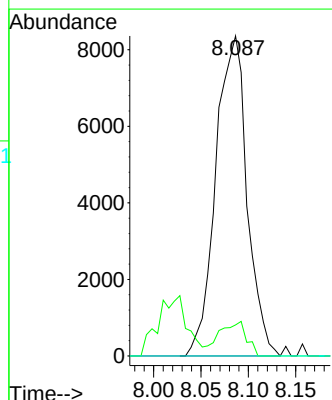
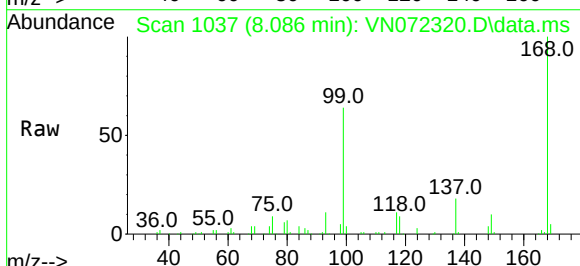
Tgt Ion: 75 Resp: 19206

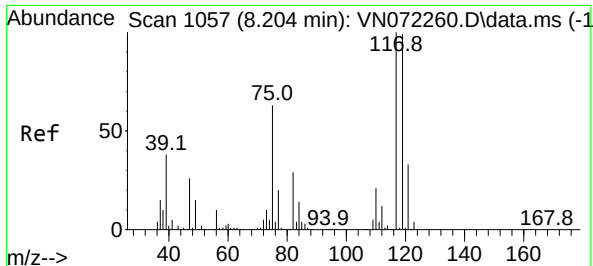
Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

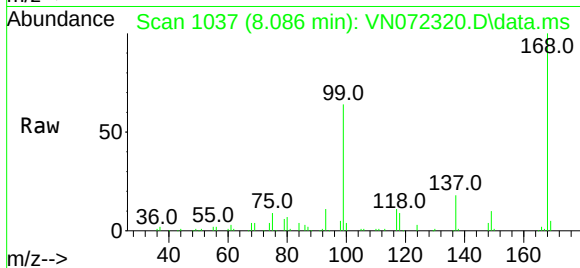
77 0.0 25.1 37.7#



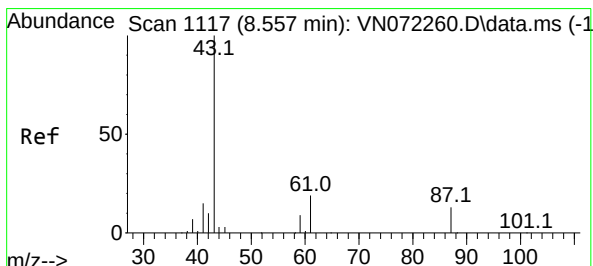
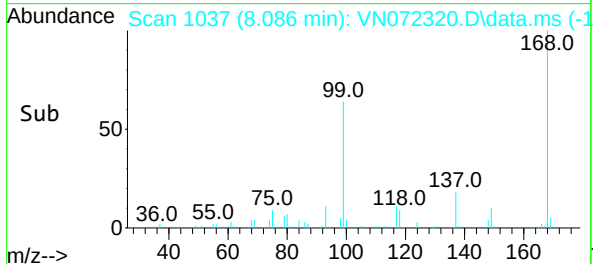
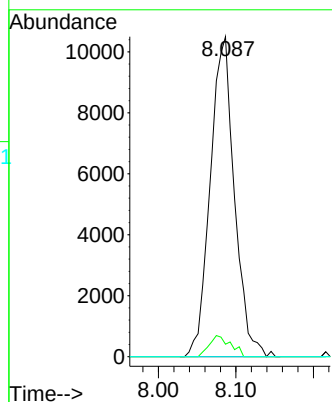


#38
Carbon Tetrachloride
Concen: 5.490 ug/l
RT: 8.086 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

Instrument :
MSVOA_N
ClientSampleId :
VN0504WBL01

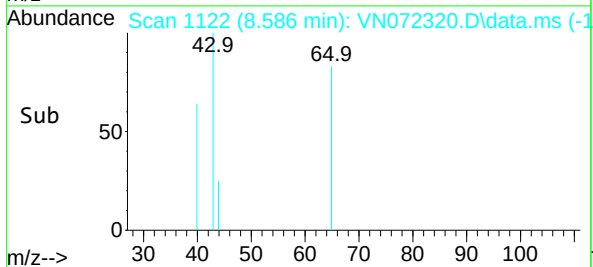
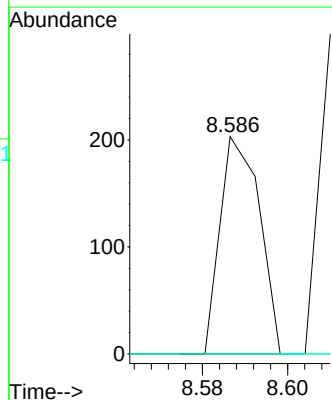
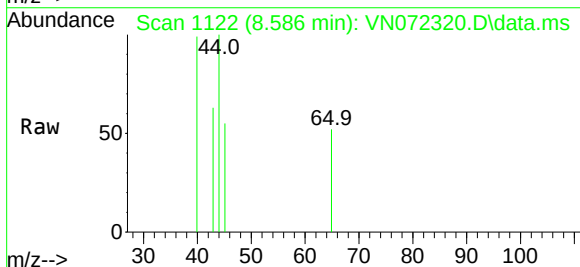


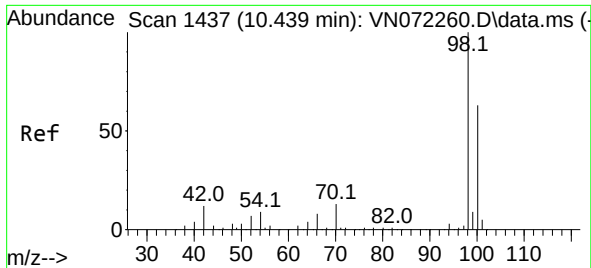
Tgt Ion:117 Resp: 22775
Ion Ratio Lower Upper
117 100
119 3.9 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.817 ug/l
RT: 8.586 min Scan# 1122
Delta R.T. 0.029 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

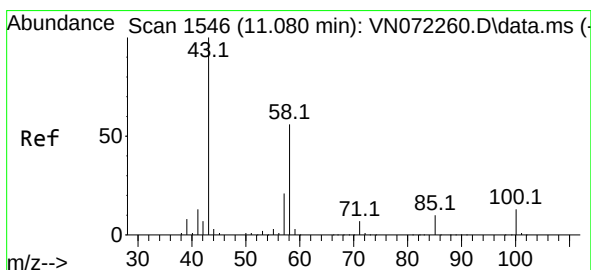
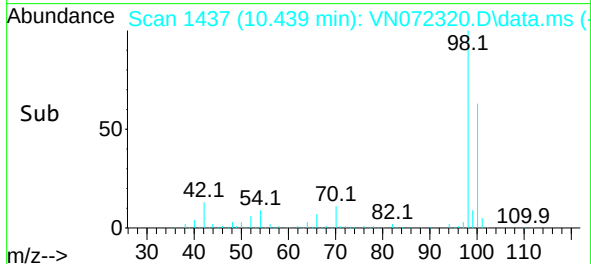
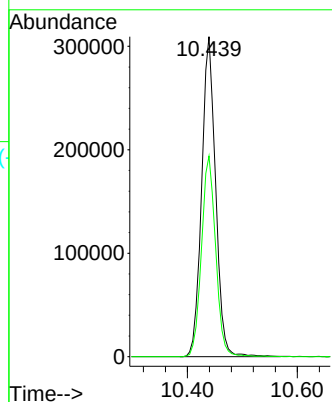
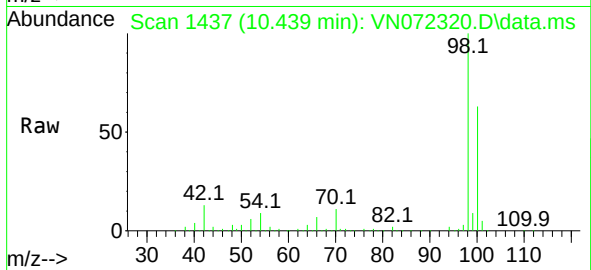




#50
Toluene-d8
Concen: 52.194 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

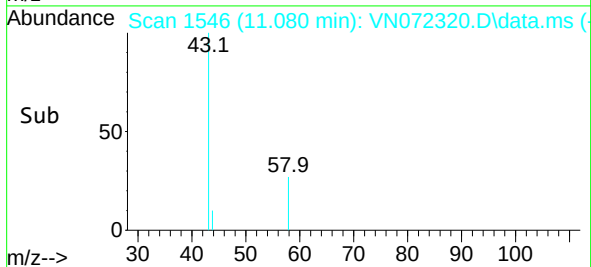
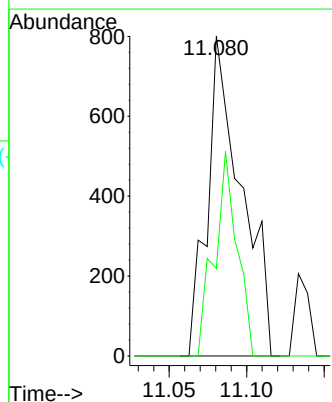
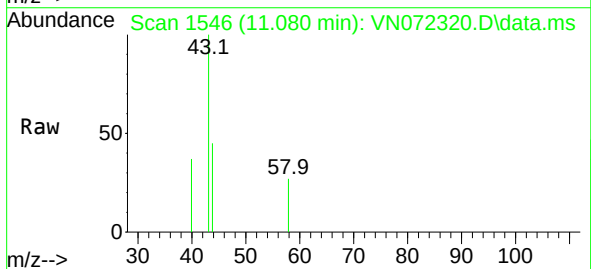
Instrument :
MSVOA_N
ClientSampleId :
VN0504WBL01

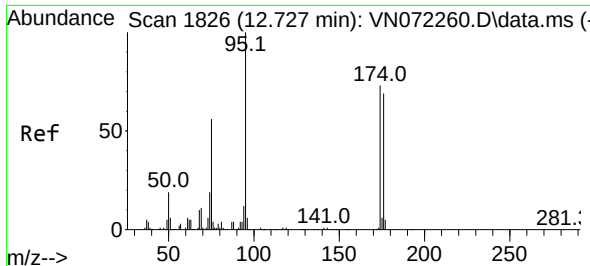
Tgt Ion: 98 Resp: 545802
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8



#59
2-Hexanone
Concen: 0.357 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. -0.001 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

Tgt Ion: 43 Resp: 1220
Ion Ratio Lower Upper
43 100
58 42.5 29.7 89.1

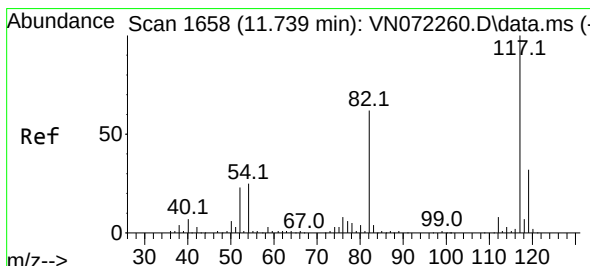
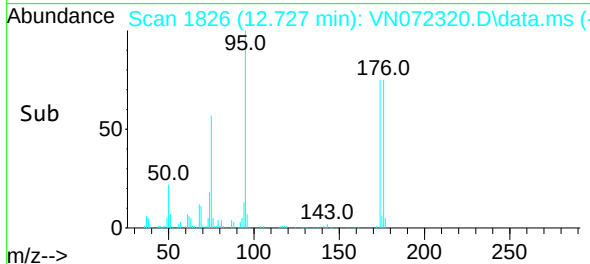
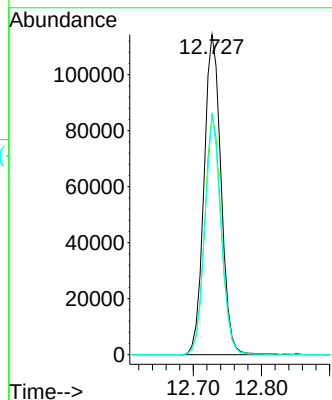
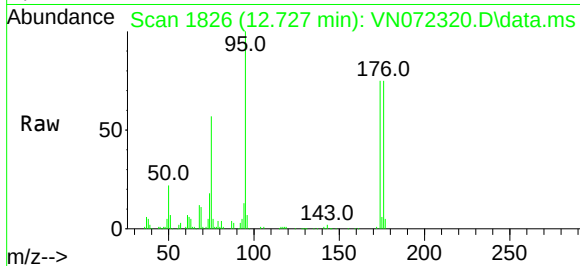




#62
4-Bromofluorobenzene
Concen: 57.044 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

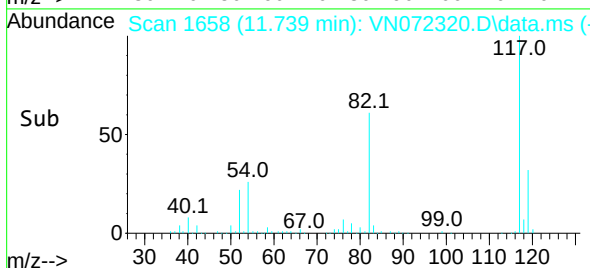
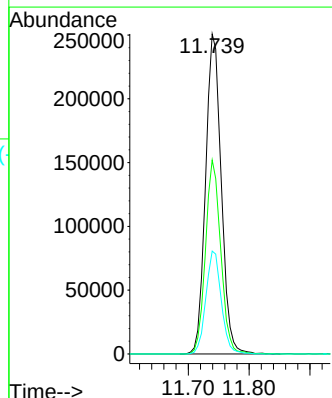
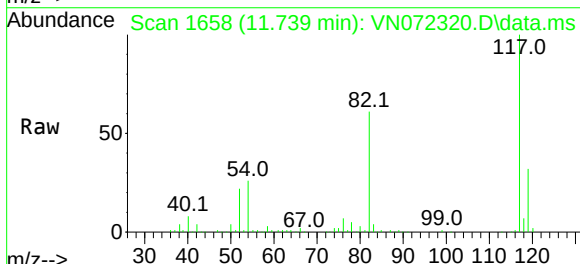
Instrument :
MSVOA_N
ClientSampleId :
VN0504WBL01

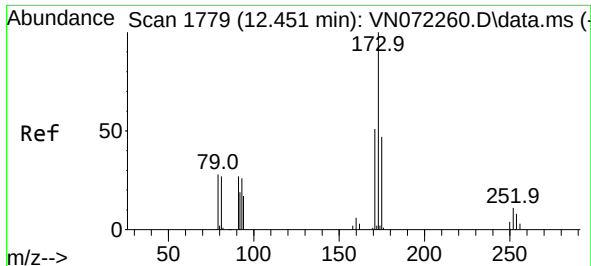
Tgt Ion: 95 Resp: 197996
Ion Ratio Lower Upper
95 100
174 73.4 0.0 167.6
176 71.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

Tgt Ion: 117 Resp: 449072
Ion Ratio Lower Upper
117 100
82 60.6 44.2 66.2
119 32.2 25.4 38.0

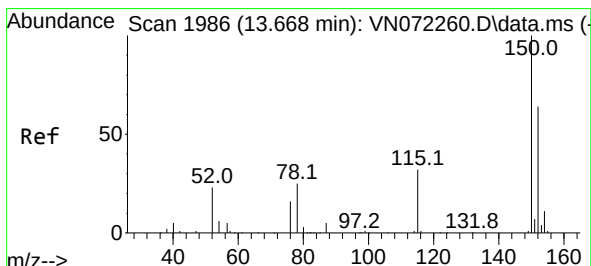
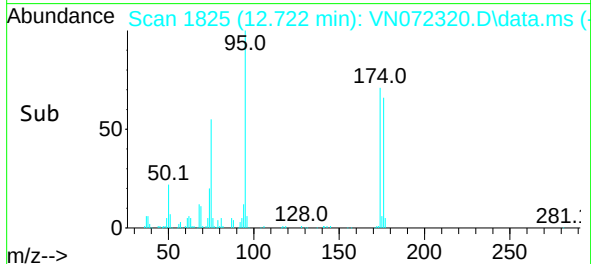
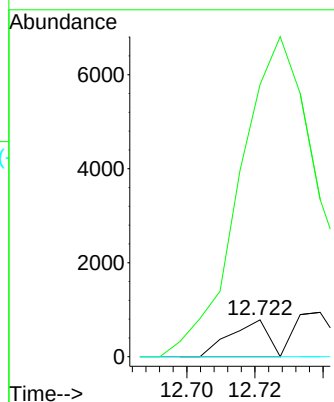
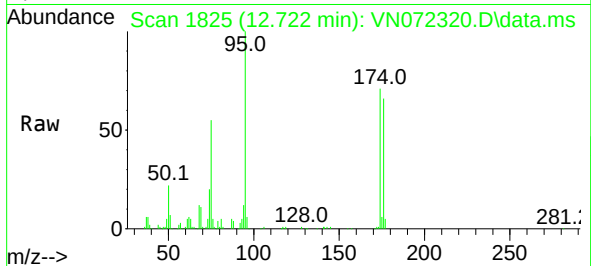




#71
Bromoform
Concen: 0.237 ug/l
RT: 12.722 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

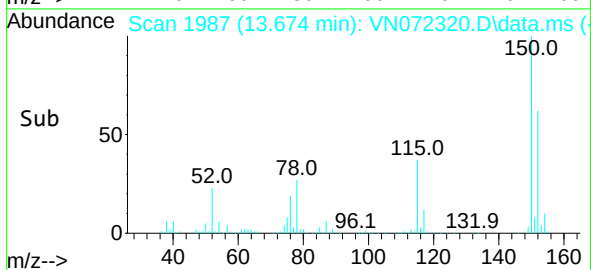
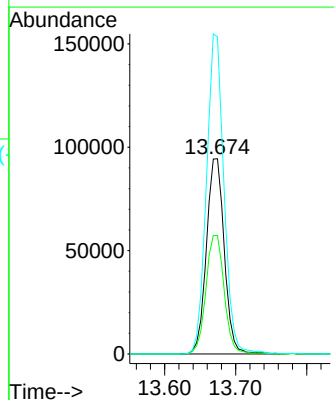
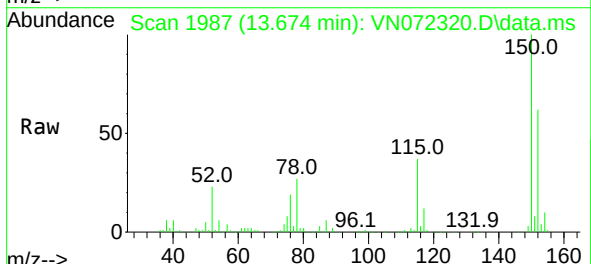
Instrument :
MSVOA_N
ClientSampleId :
VN0504WBL01

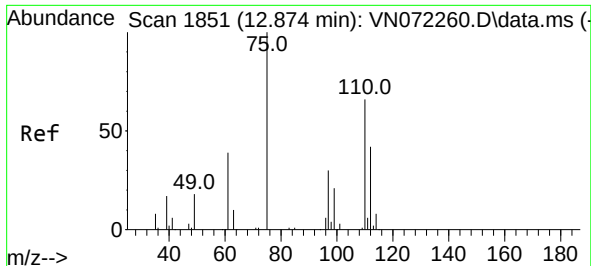
Tgt Ion:173 Resp: 603
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

Tgt Ion:152 Resp: 165667
Ion Ratio Lower Upper
152 100
115 62.1 28.9 86.7
150 160.2 0.0 356.2

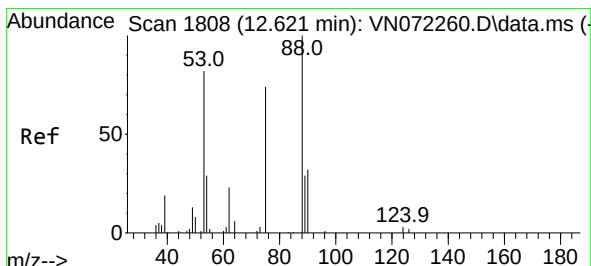
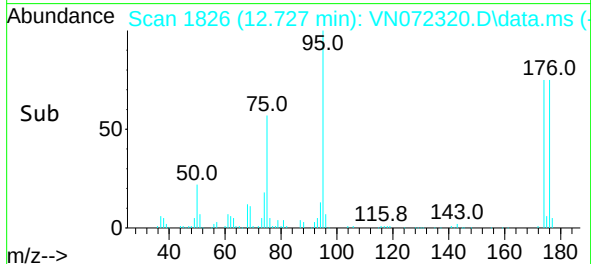
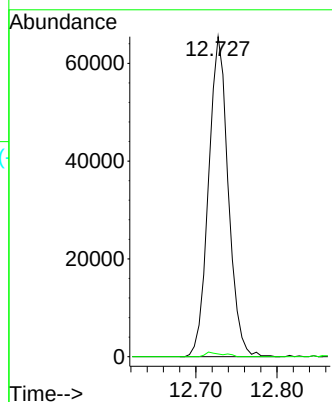
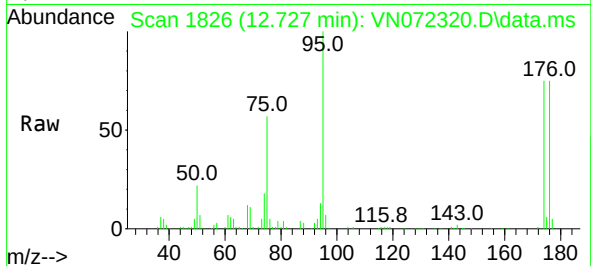




#76
1,2,3-Trichloropropane
Concen: 29.662 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

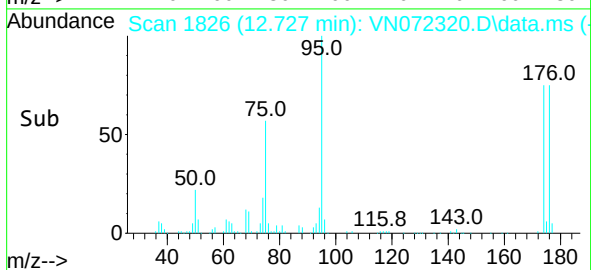
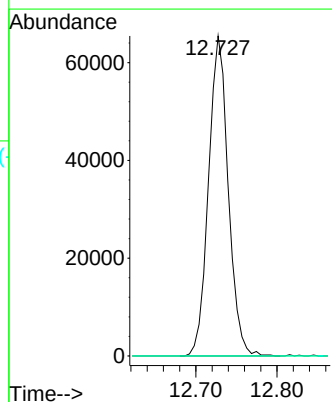
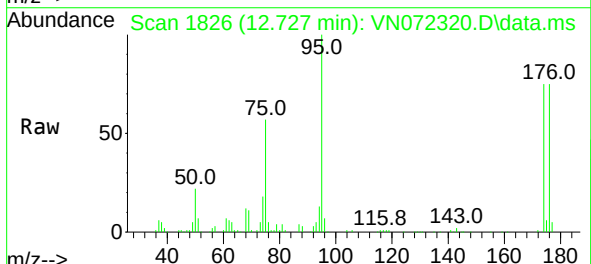
Instrument :
MSVOA_N
ClientSampleId :
VN0504WBL01

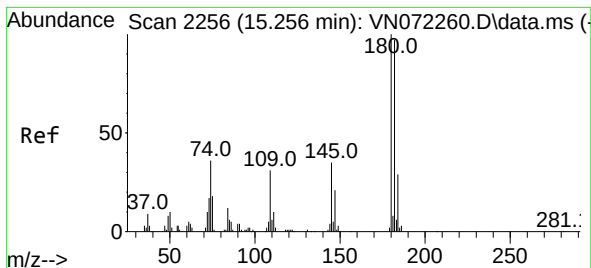
Tgt Ion: 75 Resp: 110364
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.028 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072320.D
Acq: 04 May 2022 11:42

Tgt Ion: 75 Resp: 110364
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#93

1,2,4-Trichlorobenzene

Concen: 2.589 ug/l

RT: 15.257 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN072320.D

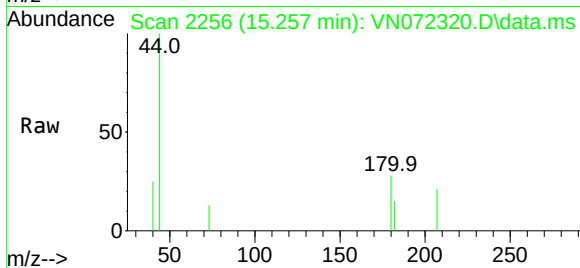
Acq: 04 May 2022 11:42

Instrument :

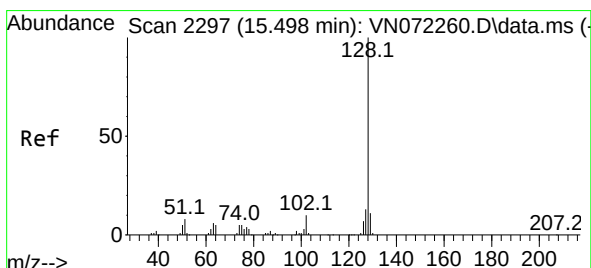
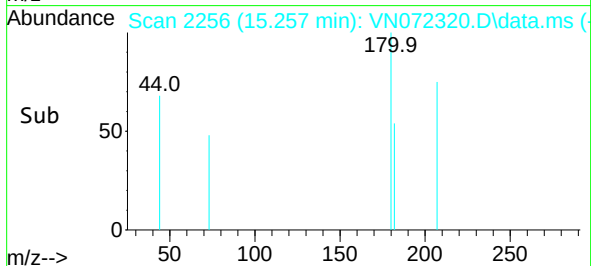
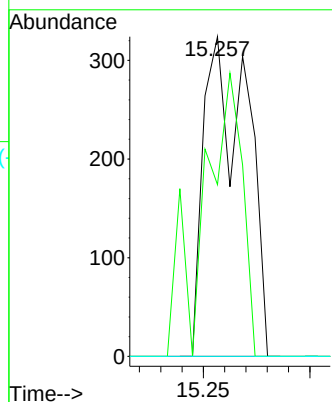
MSVOA_N

ClientSampleId :

VN0504WBL01



Tgt Ion:180	Resp:	454
Ion Ratio	Lower	Upper
180	100	
182	80.4	47.5 142.5
145	0.0	14.5 43.5#



#95

Naphthalene

Concen: 4.506 ug/l

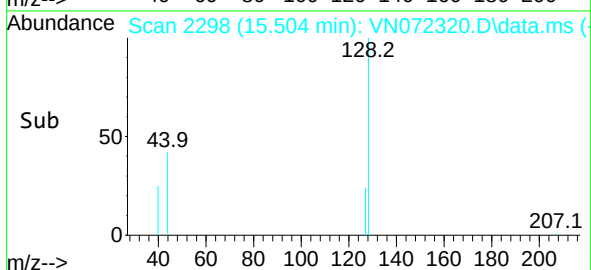
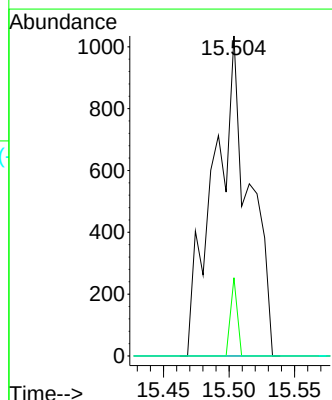
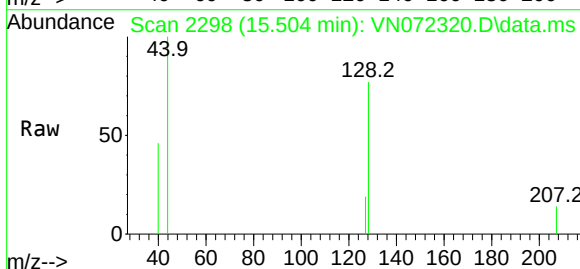
RT: 15.504 min Scan# 2298

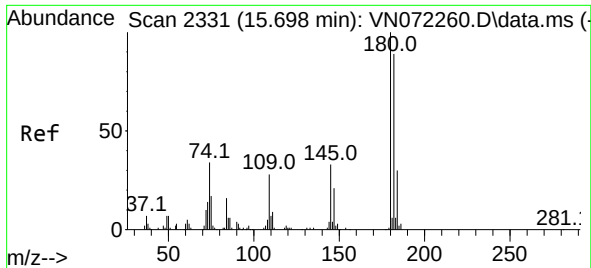
Delta R.T. 0.006 min

Lab File: VN072320.D

Acq: 04 May 2022 11:42

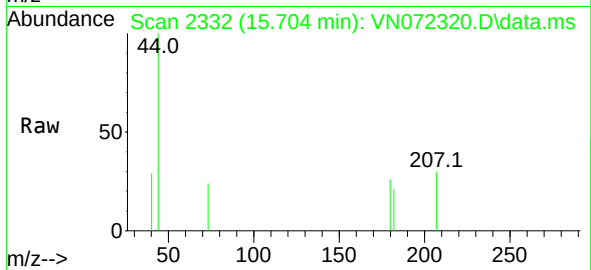
Tgt Ion:128	Resp:	1938
Ion Ratio	Lower	Upper
128	100	
127	4.6	10.3 15.5#
129	0.0	8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.818 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN072320.D
 Acq: 04 May 2022 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0504WBL01



Tgt Ion:	180	Resp:	389
Ion	Ratio	Lower	Upper
180	100		
182	80.5	47.8	143.3
145	22.6	15.5	46.5

