

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022822\
 Data File : VN071089.D
 Acq On : 28 Feb 2022 12:05
 Operator : JC\MD
 Sample : VN0228WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBL01

Quant Time: Feb 28 16:07:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	789137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1267459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.740	117	1112145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	366449	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	473513	52.528	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.060%	
35) Dibromofluoromethane	8.016	113	366331	48.592	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.180%	
50) Toluene-d8	10.440	98	1534515	50.685	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.380%	
62) 4-Bromofluorobenzene	12.728	95	509893	47.117	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 94.240%	

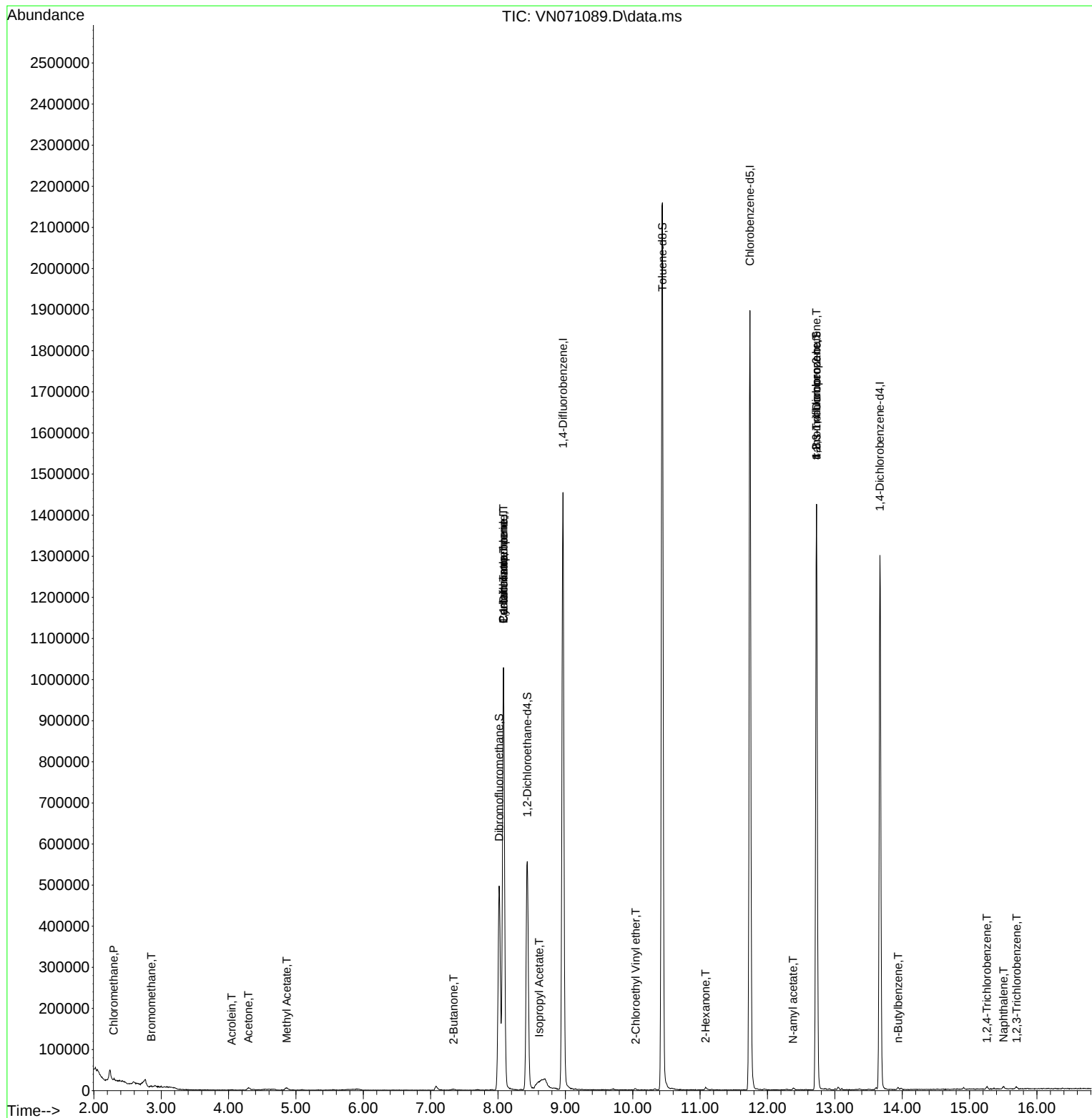
Target Compounds				Qvalue		
3) Chloromethane	2.293	50	2116	0.205	ug/l	89
5) Bromomethane	2.852	94	1423	0.243	ug/l #	72
13) Acrolein	4.046	56	689	0.469	ug/l #	77
16) Acetone	4.293	43	4336	0.873	ug/l	94
18) Methyl Acetate	4.864	43	11409	0.453	ug/l	100
25) 2-Butanone	7.340	43	4109	0.622	ug/l	93
31) Cyclohexane	8.081	56	15305	0.982	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	61478	4.978	ug/l #	49
38) Carbon Tetrachloride	8.081	117	75930	6.239	ug/l #	17
43) Isopropyl Acetate	8.610	43	22759	1.090	ug/l #	55
58) 2-Chloroethyl Vinyl ether	10.046	63	1585	32.260	ug/l #	68
59) 2-Hexanone	11.081	43	5733	0.656	ug/l	81
74) N-amyl acetate	12.381	43	2925	0.310	ug/l #	85
76) 1,2,3-Trichloropropane	12.728	75	256824	29.766	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	256824	96.456	ug/l #	5
89) n-Butylbenzene	13.939	91	4179	0.209	ug/l	91
93) 1,2,4-Trichlorobenzene	15.257	180	1959	2.278	ug/l	90
95) Naphthalene	15.504	128	6861	5.367	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.698	180	2196	2.851	ug/l	95

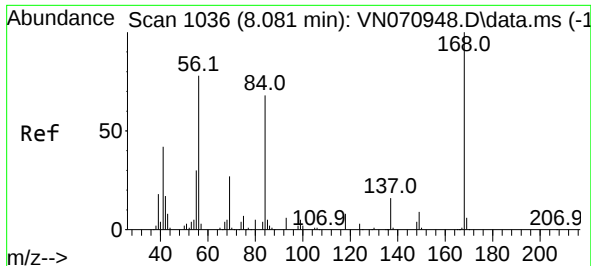
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 21 07:57:15 2022
Response via : Initial Calibration

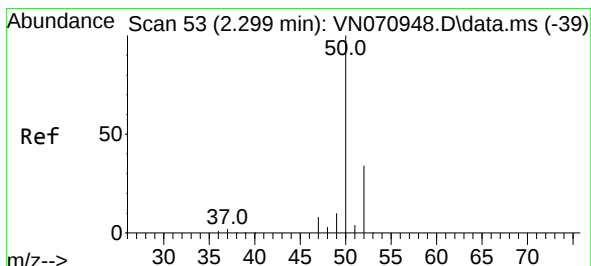
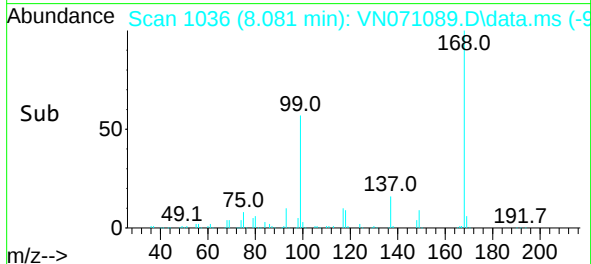
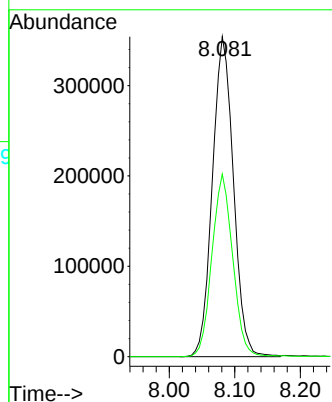
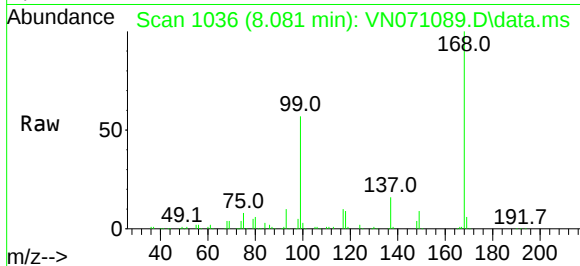




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

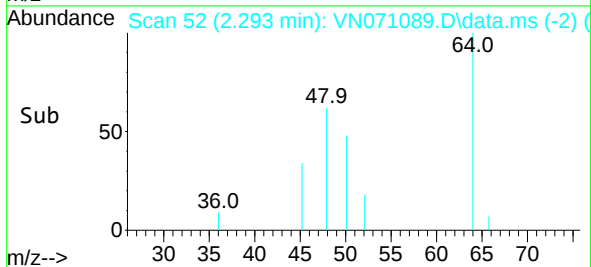
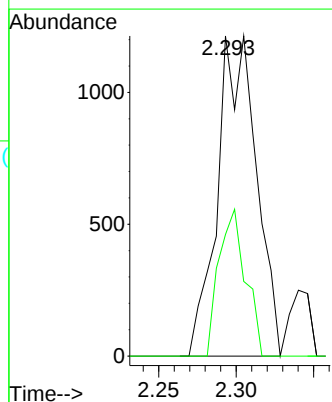
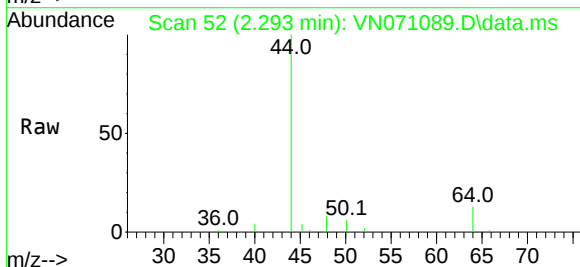
Instrument :
MSVOA_N
ClientSampleId :
VN0228WBL01

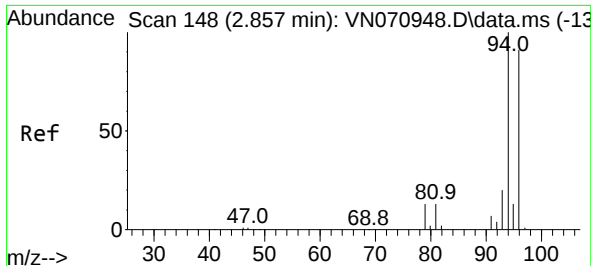
Tgt Ion:168 Resp: 789137
Ion Ratio Lower Upper
168 100
99 57.1 41.3 61.9



#3
Chloromethane
Concen: 0.205 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

Tgt Ion: 50 Resp: 2116
Ion Ratio Lower Upper
50 100
52 38.0 25.4 38.0

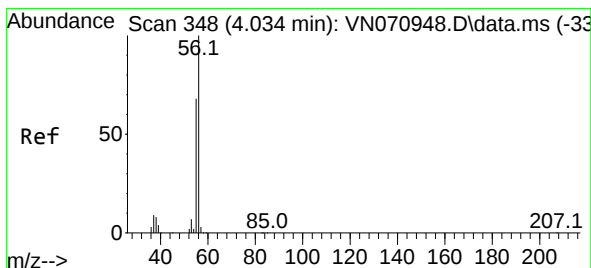
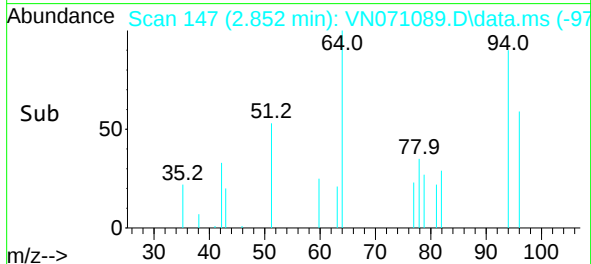
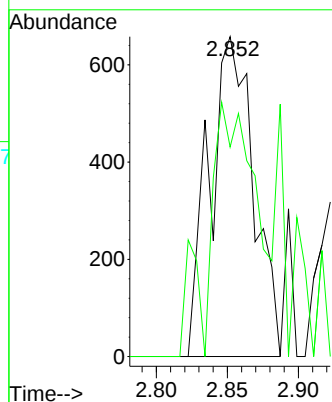
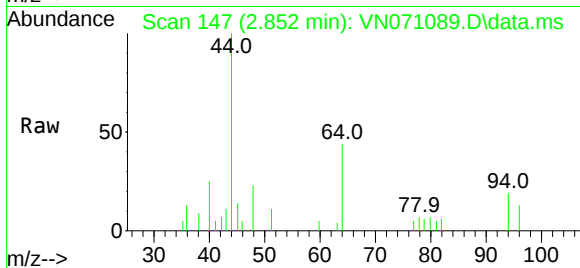




#5
Bromomethane
Concen: 0.243 ug/l
RT: 2.852 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

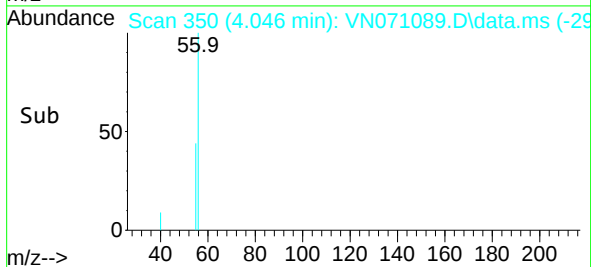
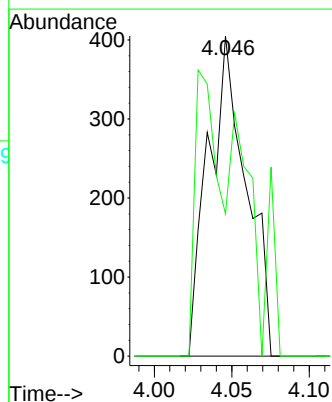
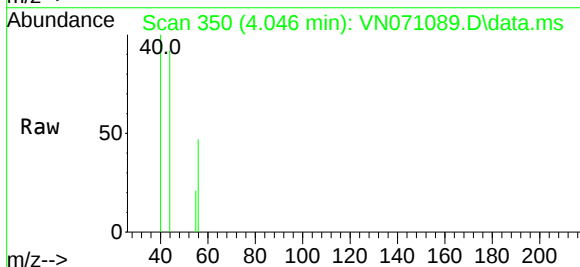
Instrument :
MSVOA_N
ClientSampleId :
VN0228WBL01

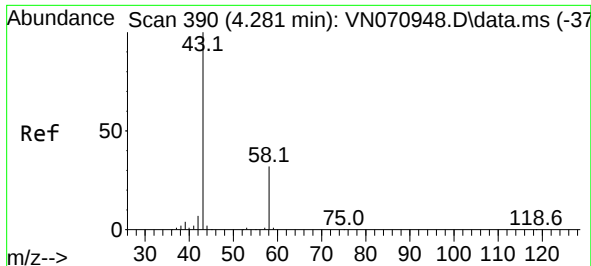
Tgt Ion: 94 Resp: 1423
Ion Ratio Lower Upper
94 100
96 65.5 73.8 110.8#



#13
Acrolein
Concen: 0.469 ug/l
RT: 4.046 min Scan# 350
Delta R.T. 0.012 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

Tgt Ion: 56 Resp: 689
Ion Ratio Lower Upper
56 100
55 51.8 56.6 85.0#

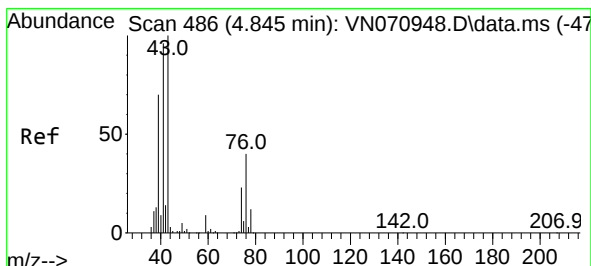
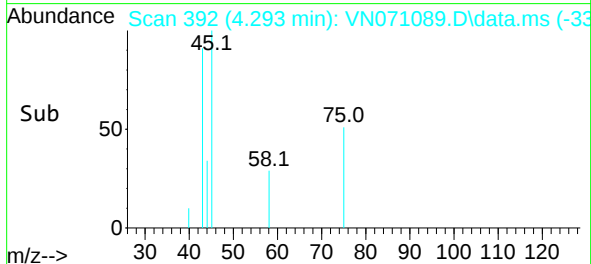
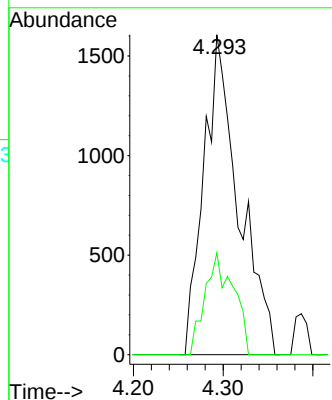
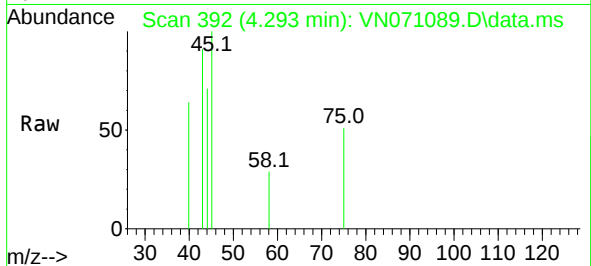




#16
Acetone
Concen: 0.873 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

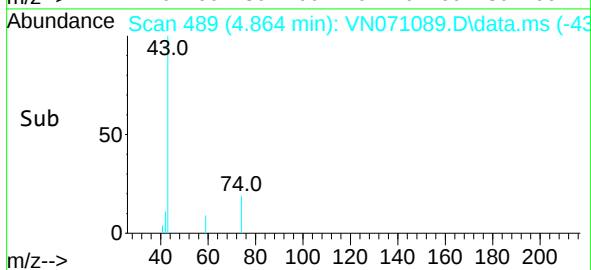
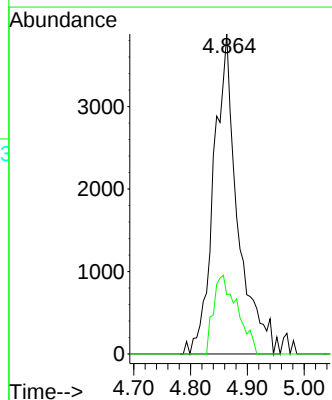
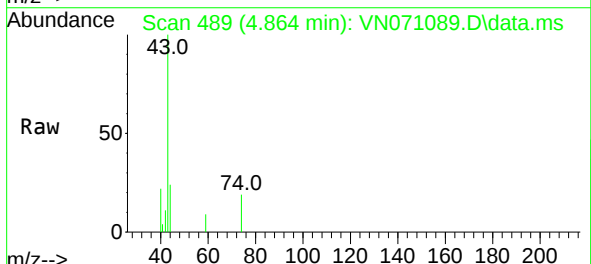
Instrument :
MSVOA_N
ClientSampleId :
VN0228WBL01

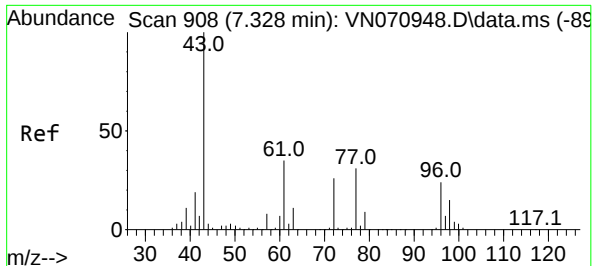
Tgt Ion: 43 Resp: 4336
Ion Ratio Lower Upper
43 100
58 31.9 23.1 34.7



#18
Methyl Acetate
Concen: 0.453 ug/l
RT: 4.864 min Scan# 489
Delta R.T. 0.019 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

Tgt Ion: 43 Resp: 11409
Ion Ratio Lower Upper
43 100
74 24.3 19.4 29.2





#25

2-Butanone

Concen: 0.622 ug/l

RT: 7.340 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN071089.D

Acq: 28 Feb 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

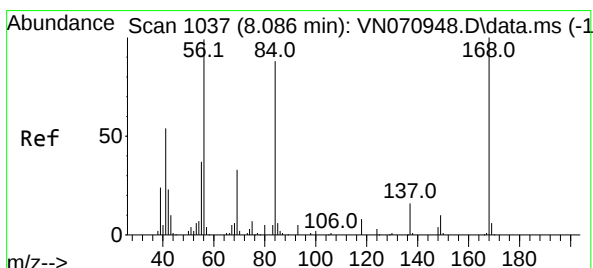
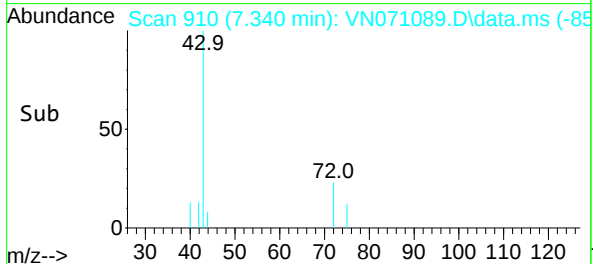
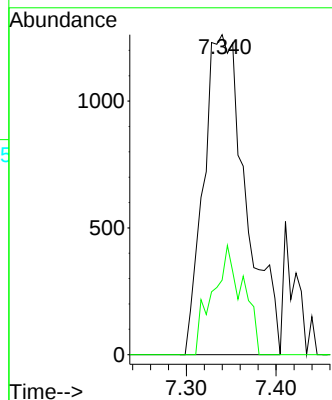
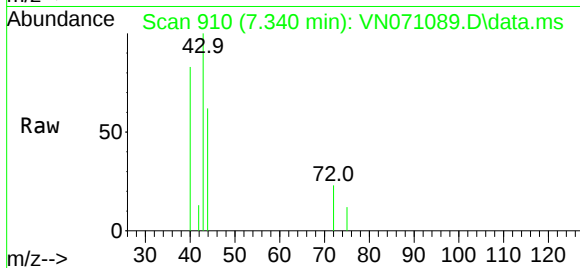
VN0228WBL01

Tgt Ion: 43 Resp: 4109

Ion Ratio Lower Upper

43 100

72 23.3 21.7 32.5



#31

Cyclohexane

Concen: 0.982 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071089.D

Acq: 28 Feb 2022 12:05

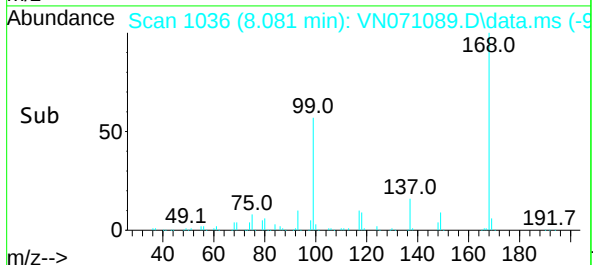
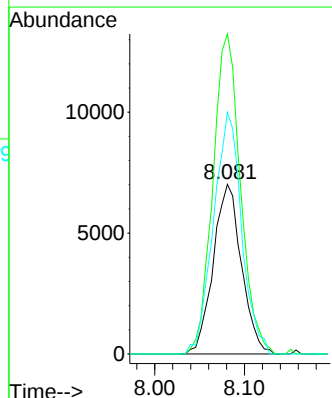
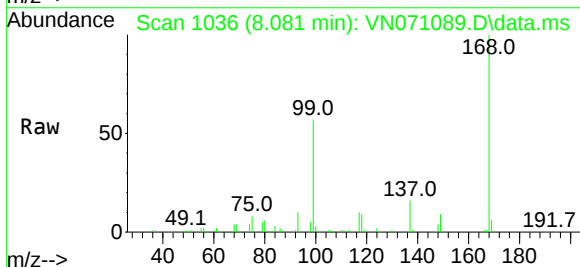
Tgt Ion: 56 Resp: 15305

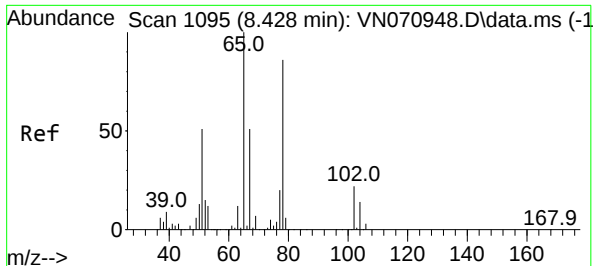
Ion Ratio Lower Upper

56 100

69 188.6 27.1 40.7#

84 142.5 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 52.528 ug/l

RT: 8.434 min Scan# 1095

Delta R.T. 0.006 min

Lab File: VN071089.D

Acq: 28 Feb 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

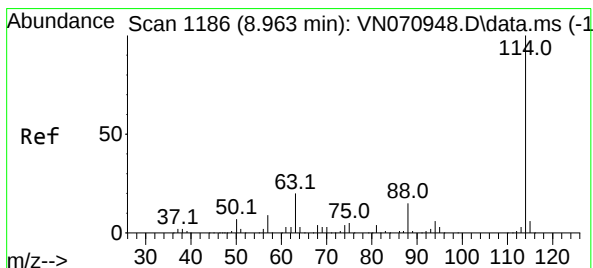
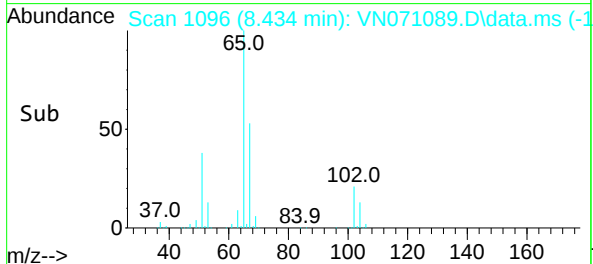
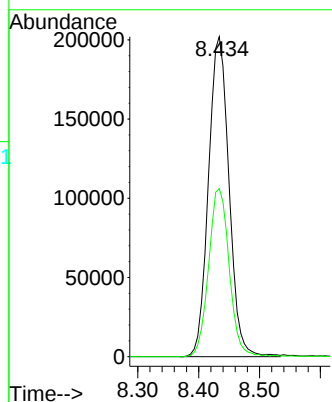
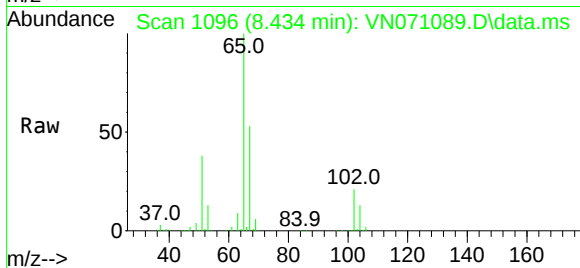
VN0228WBL01

Tgt Ion: 65 Resp: 473513

Ion Ratio Lower Upper

65 100

67 52.8 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: VN071089.D

Acq: 28 Feb 2022 12:05

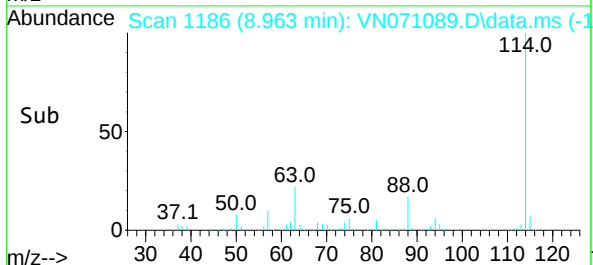
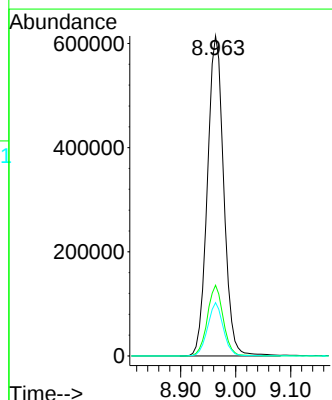
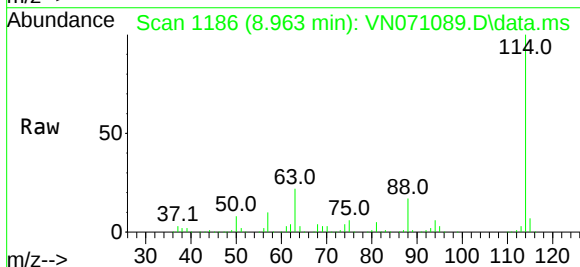
Tgt Ion: 114 Resp: 1267459

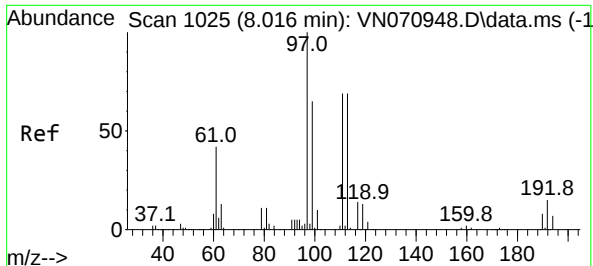
Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.8

88 16.6 0.0 27.4





#35

Dibromofluoromethane

Concen: 48.592 ug/l

RT: 8.016 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VN071089.D

Acq: 28 Feb 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0228WBL01

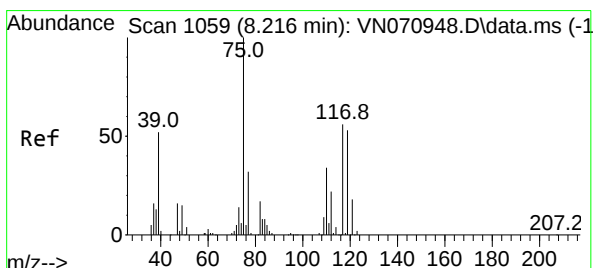
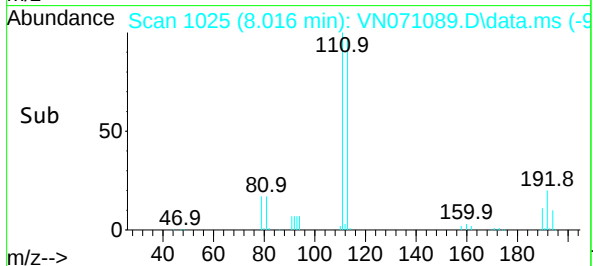
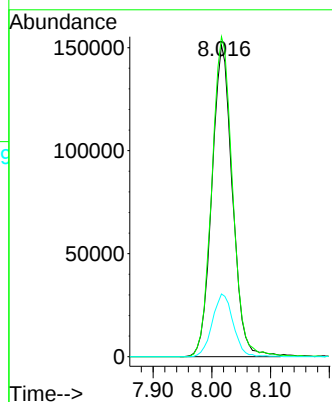
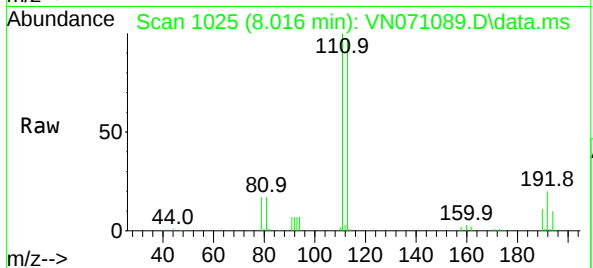
Tgt Ion:113 Resp: 366331

Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.2

192 20.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.978 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071089.D

Acq: 28 Feb 2022 12:05

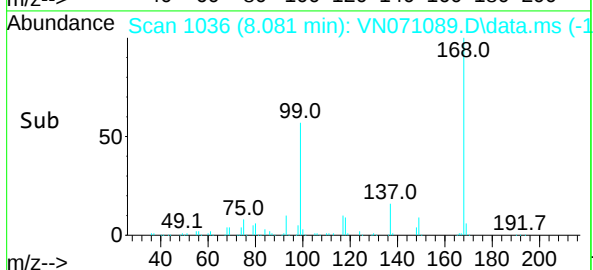
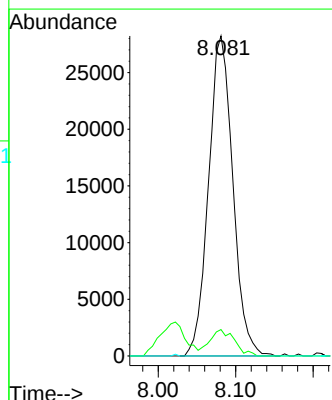
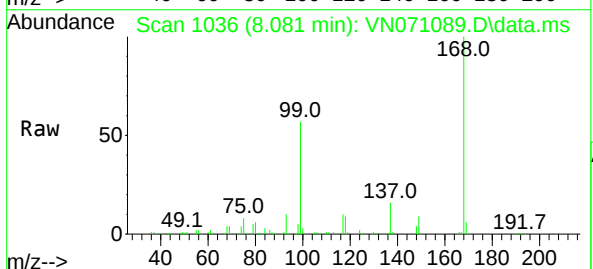
Tgt Ion: 75 Resp: 61478

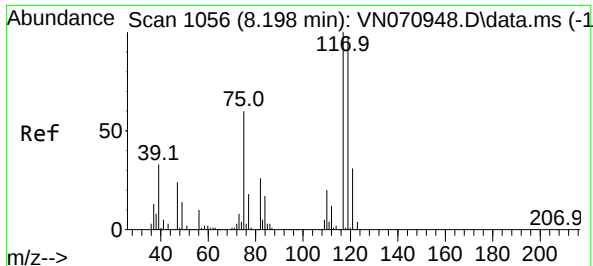
Ion Ratio Lower Upper

75 100

110 8.5 18.4 55.2#

77 0.0 24.4 36.6#

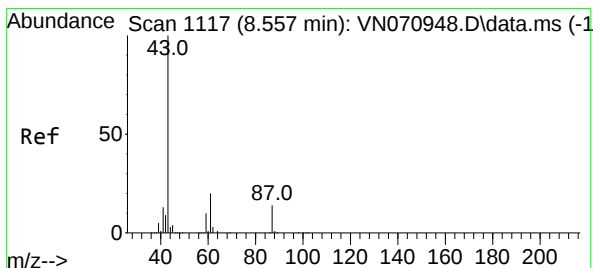
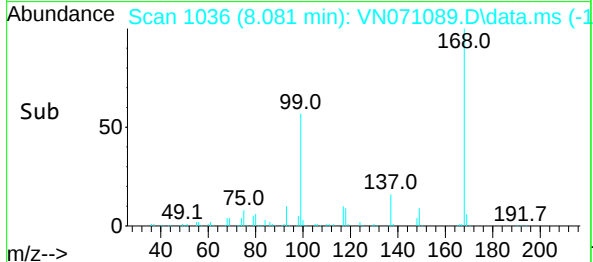
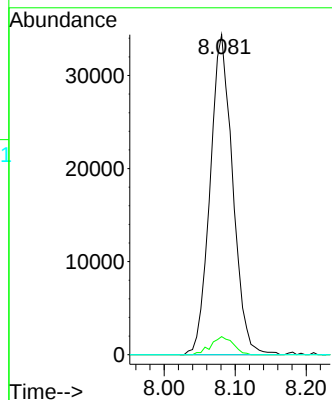
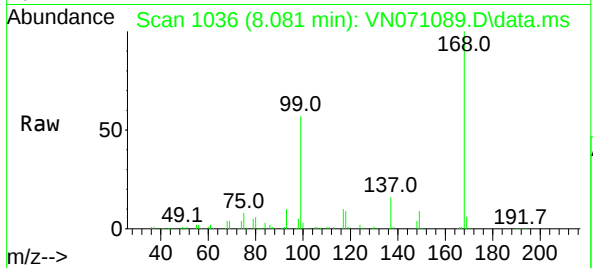




#38
Carbon Tetrachloride
Concen: 6.239 ug/l
RT: 8.081 min Scan# 1105
Delta R.T. -0.117 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

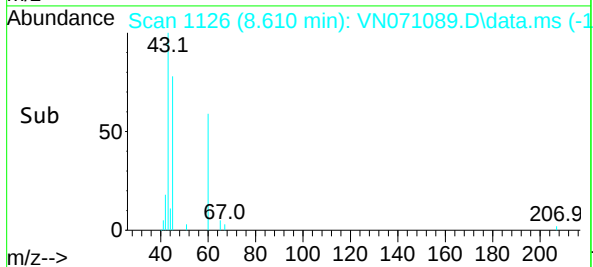
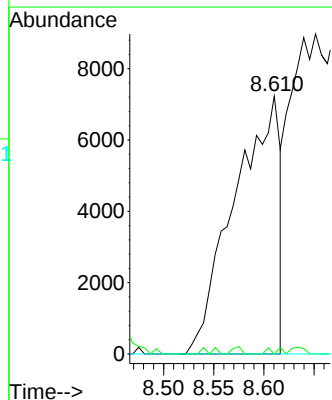
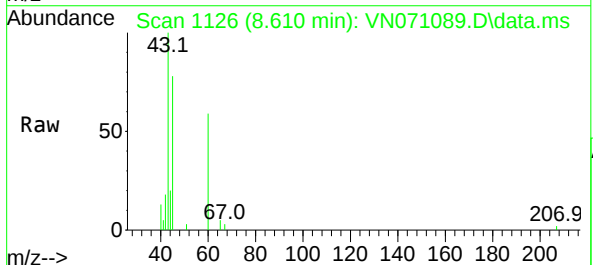
Instrument :
MSVOA_N
ClientSampleId :
VN0228WBL01

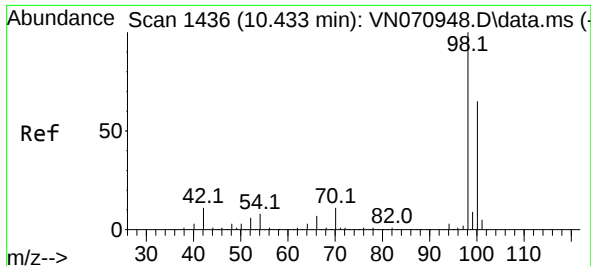
Tgt Ion:117 Resp: 75930
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 1.090 ug/l
RT: 8.610 min Scan# 1126
Delta R.T. 0.053 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

Tgt Ion: 43 Resp: 22759
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

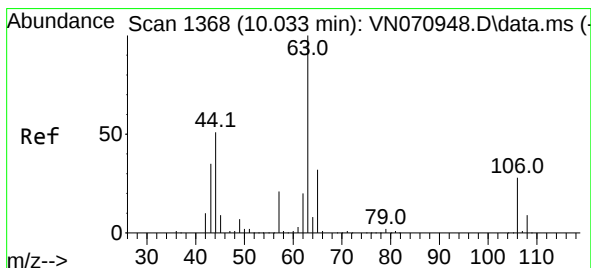
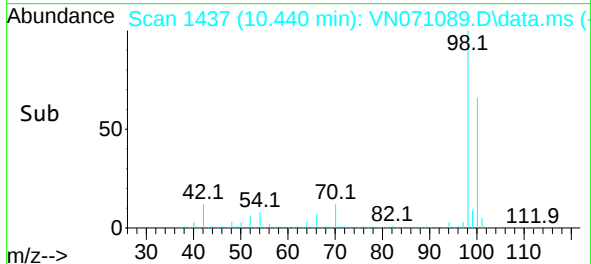
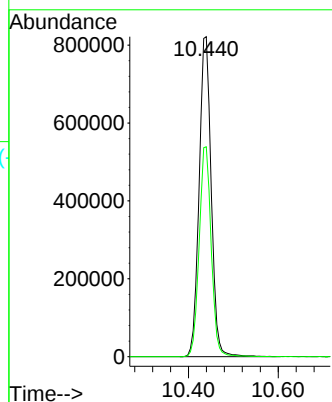
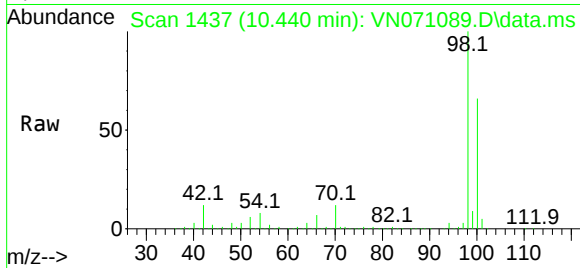




#50
Toluene-d8
Concen: 50.685 ug/l
RT: 10.440 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

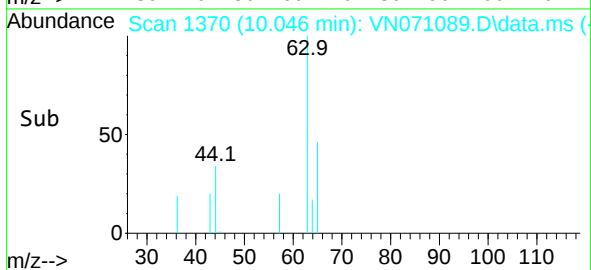
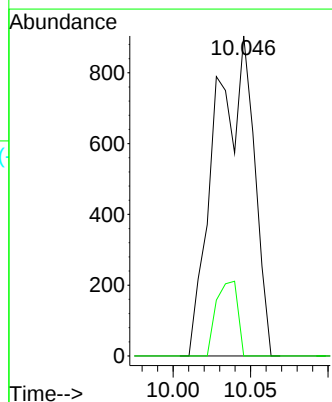
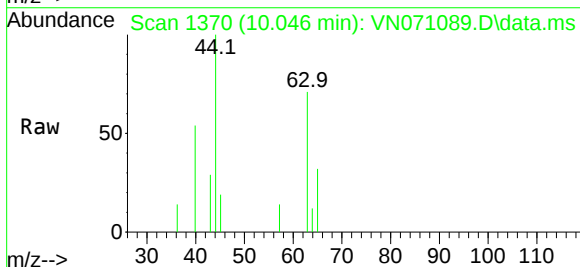
Instrument :
MSVOA_N
ClientSampleId :
VN0228WBL01

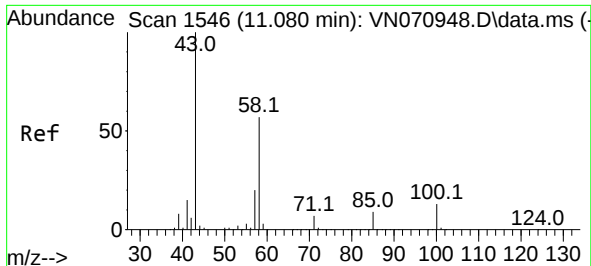
Tgt Ion: 98 Resp: 1534515
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6



#58
2-Chloroethyl Vinyl ether
Concen: 32.260 ug/l
RT: 10.046 min Scan# 1370
Delta R.T. 0.013 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

Tgt Ion: 63 Resp: 1585
Ion Ratio Lower Upper
63 100
106 12.7 23.9 35.9#

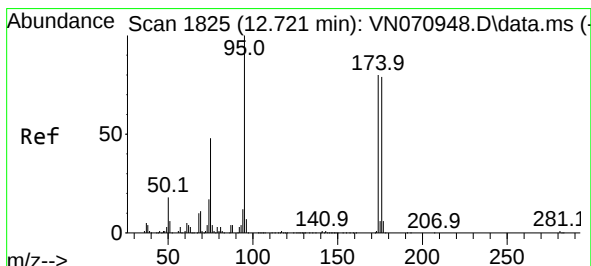
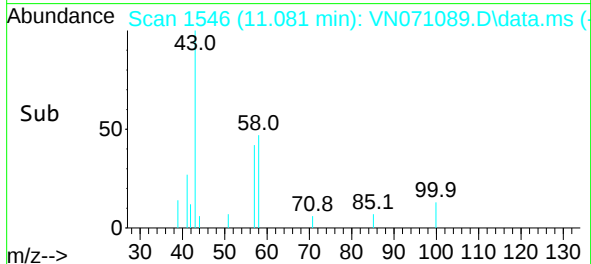
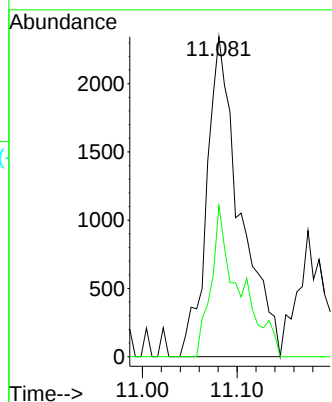
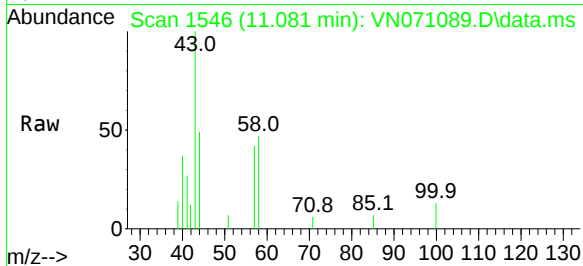




#59
2-Hexanone
Concen: 0.656 ug/l
RT: 11.081 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

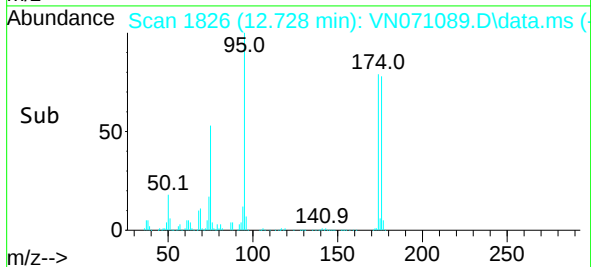
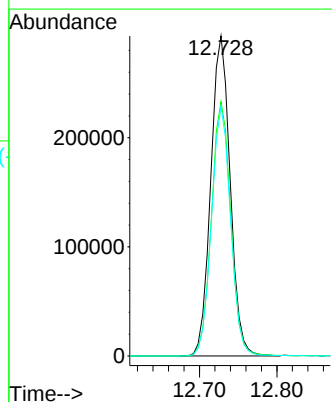
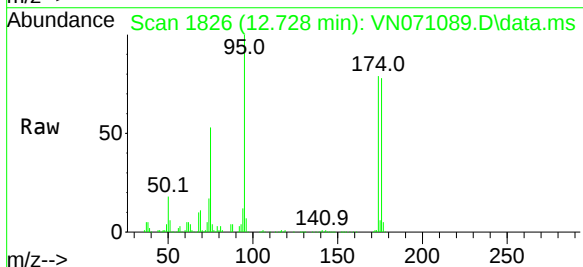
Instrument :
MSVOA_N
ClientSampleId :
VN0228WBL01

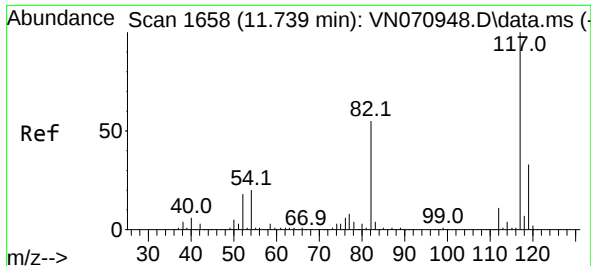
Tgt Ion: 43 Resp: 5733
Ion Ratio Lower Upper
43 100
58 40.0 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 47.117 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

Tgt Ion: 95 Resp: 509893
Ion Ratio Lower Upper
95 100
174 79.6 0.0 187.2
176 77.1 0.0 181.4

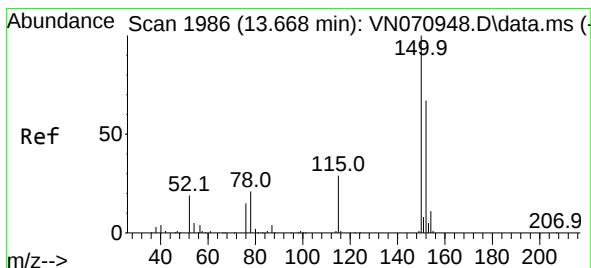
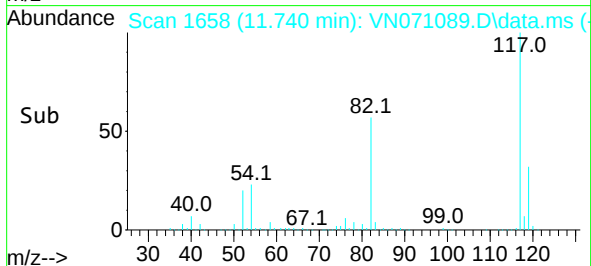
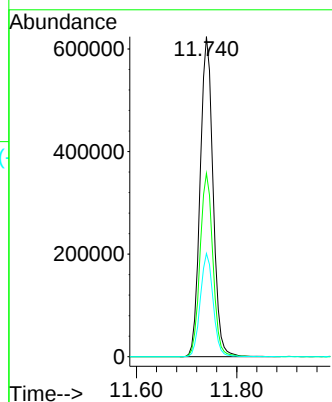
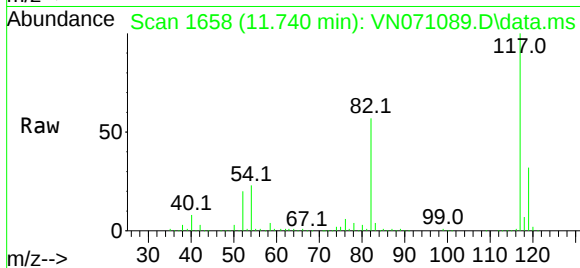




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.740 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

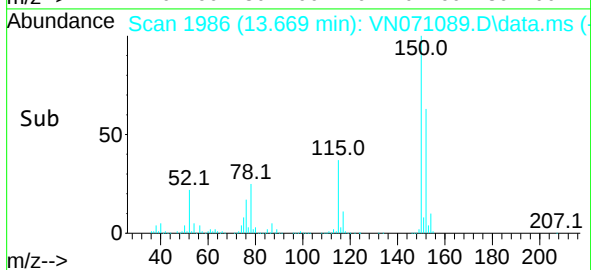
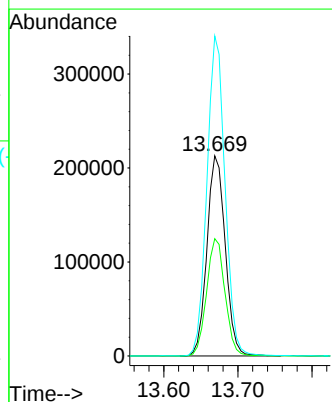
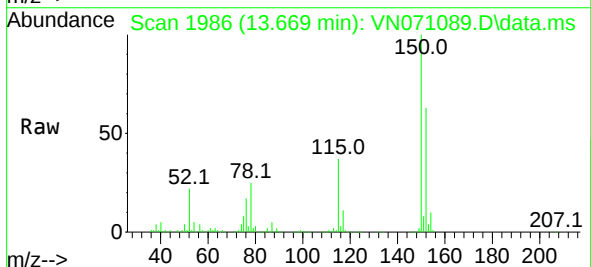
Instrument :
MSVOA_N
ClientSampleId :
VN0228WBL01

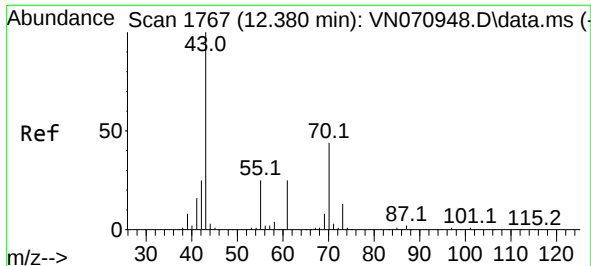
Tgt Ion:117 Resp: 1112145
Ion Ratio Lower Upper
117 100
82 57.3 42.4 63.6
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

Tgt Ion:152 Resp: 366449
Ion Ratio Lower Upper
152 100
115 58.6 27.5 82.5
150 157.9 0.0 344.4

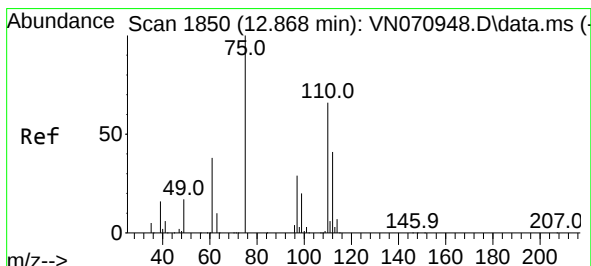
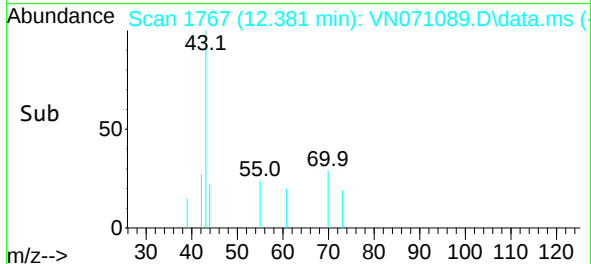
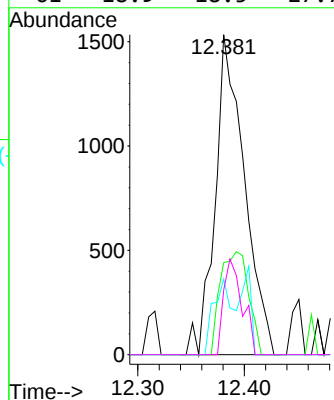
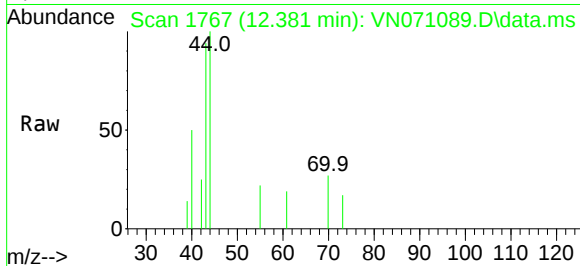




#74
N-amy1 acetate
Concen: 0.310 ug/l
RT: 12.381 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

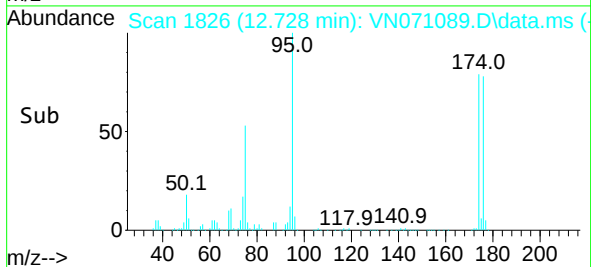
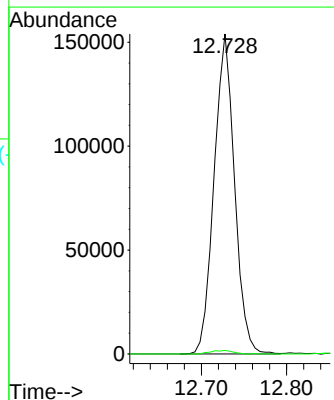
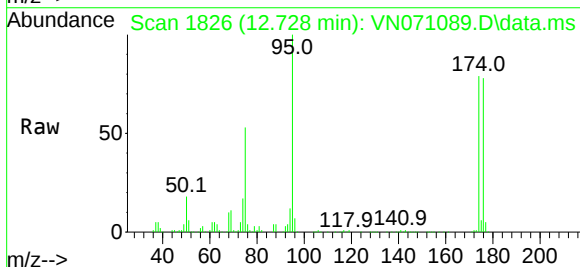
Instrument :
MSVOA_N
ClientSampleId :
VN0228WBL01

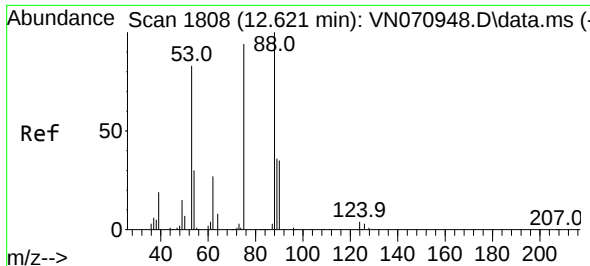
Tgt Ion: 43	Resp: 2925
Ion Ratio	Lower Upper
43 100	
70 31.1	33.4 50.0#
55 15.6	19.3 28.9#
61 18.9	18.5 27.7



#76
1,2,3-Trichloropropane
Concen: 29.766 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

Tgt Ion: 75	Resp: 256824
Ion Ratio	Lower Upper
75 100	
77 1.2	82.6 247.8#

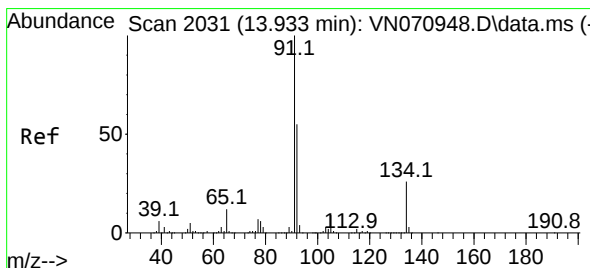
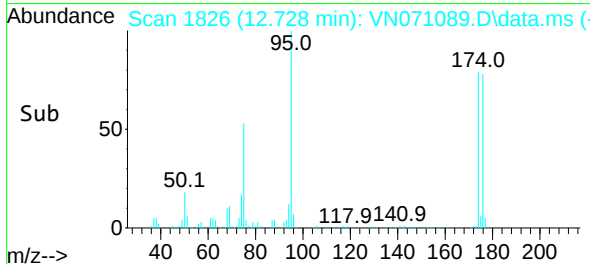
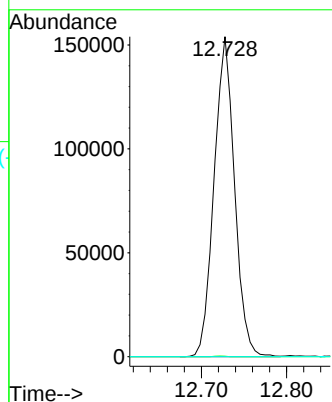
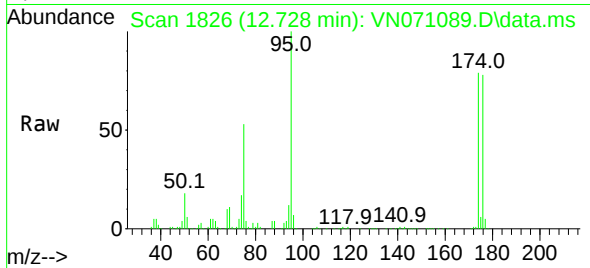




#81
trans-1,4-Dichloro-2-butene
Concen: 96.456 ug/l
RT: 12.728 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

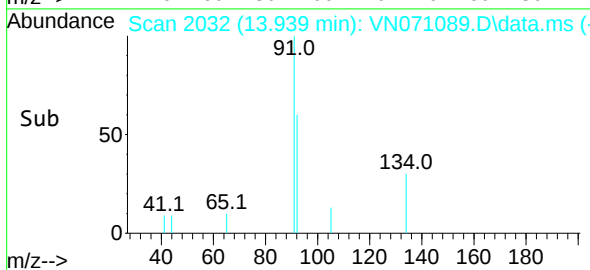
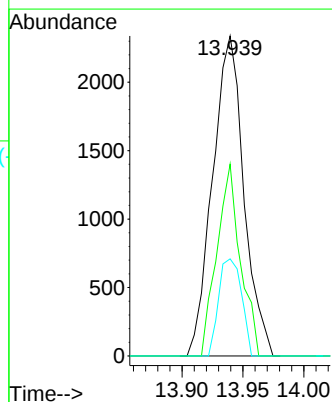
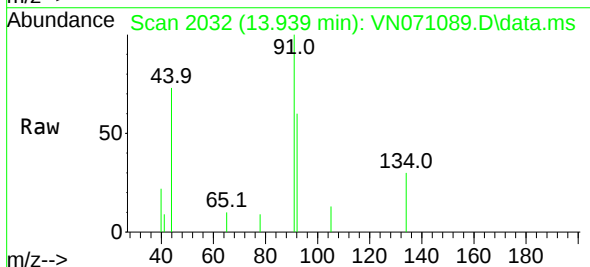
Instrument :
MSVOA_N
ClientSampleId :
VN0228WBL01

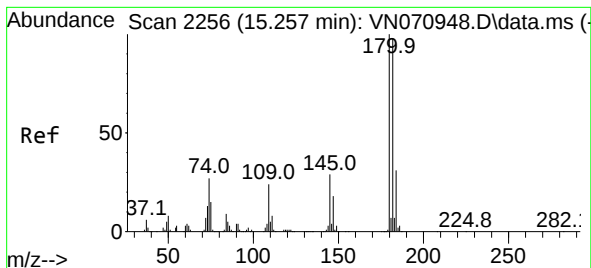
Tgt Ion: 75 Resp: 256824
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#89
n-Butylbenzene
Concen: 0.209 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.006 min
Lab File: VN071089.D
Acq: 28 Feb 2022 12:05

Tgt Ion: 91 Resp: 4179
Ion Ratio Lower Upper
91 100
92 44.9 25.4 76.0
134 22.1 13.6 40.8





#93

1,2,4-Trichlorobenzene

Concen: 2.278 ug/l

RT: 15.257 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN071089.D

Acq: 28 Feb 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0228WBL01

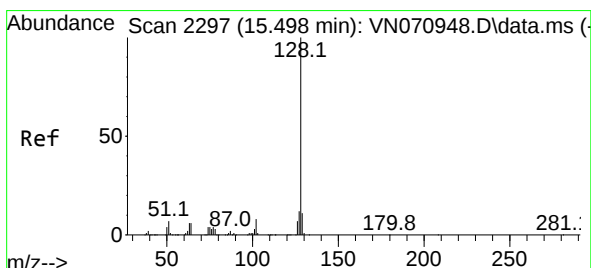
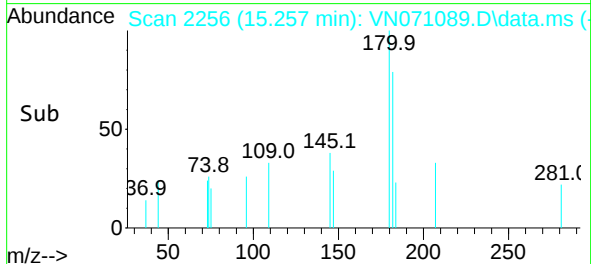
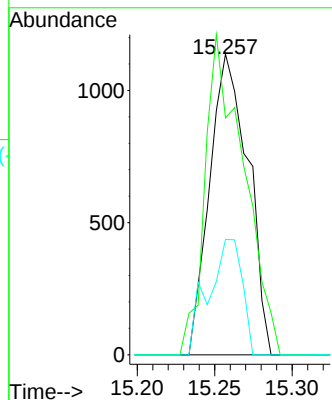
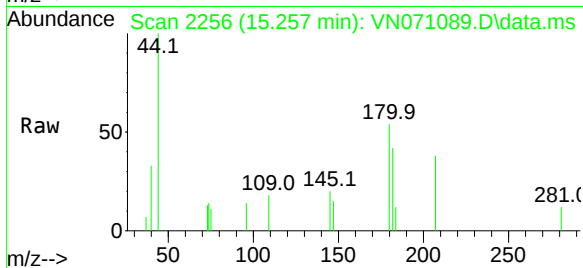
Tgt Ion:180 Resp: 1959

Ion Ratio Lower Upper

180 100

182 107.0 48.3 144.9

145 33.7 14.5 43.5



#95

Naphthalene

Concen: 5.367 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VN071089.D

Acq: 28 Feb 2022 12:05

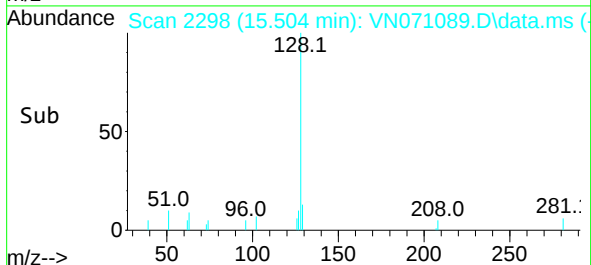
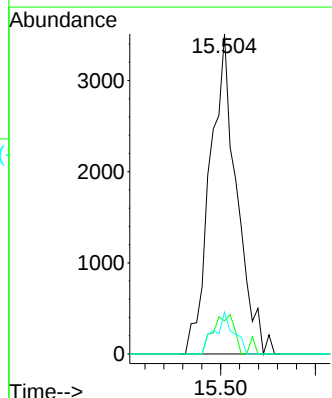
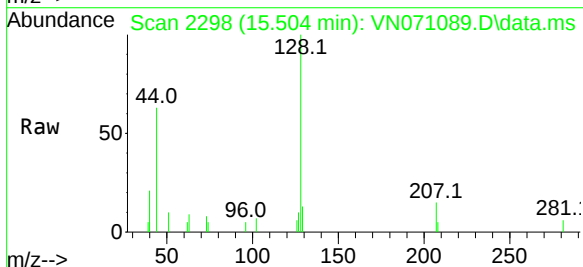
Tgt Ion:128 Resp: 6861

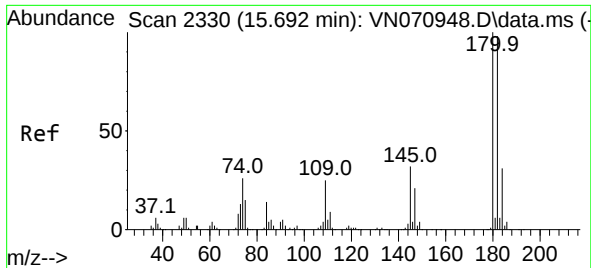
Ion Ratio Lower Upper

128 100

127 9.8 10.5 15.7#

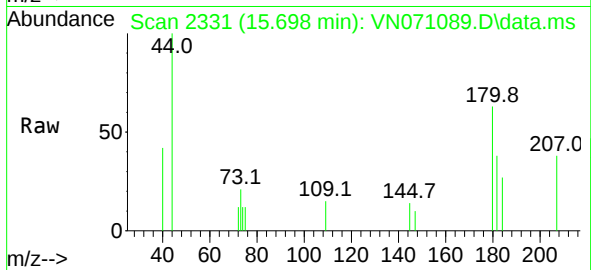
129 9.3 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.851 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071089.D
 Acq: 28 Feb 2022 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBL01



Tgt Ion:	180	Resp:	2196
Ion	Ratio	Lower	Upper
180	100		
182	99.0	47.4	142.2
145	33.8	15.0	45.1

