

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071755.D
 Acq On : 01 Apr 2022 16:07
 Operator : JC\MD
 Sample : N2090-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-49

Quant Time: Apr 02 00:55:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	621612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1049059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1054229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	389208	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	357480	50.375	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.740%	
35) Dibromofluoromethane	8.016	113	305661	49.515	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.020%	
50) Toluene-d8	10.439	98	1310938	51.913	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.820%	
62) 4-Bromofluorobenzene	12.727	95	444263	54.396	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 108.800%	

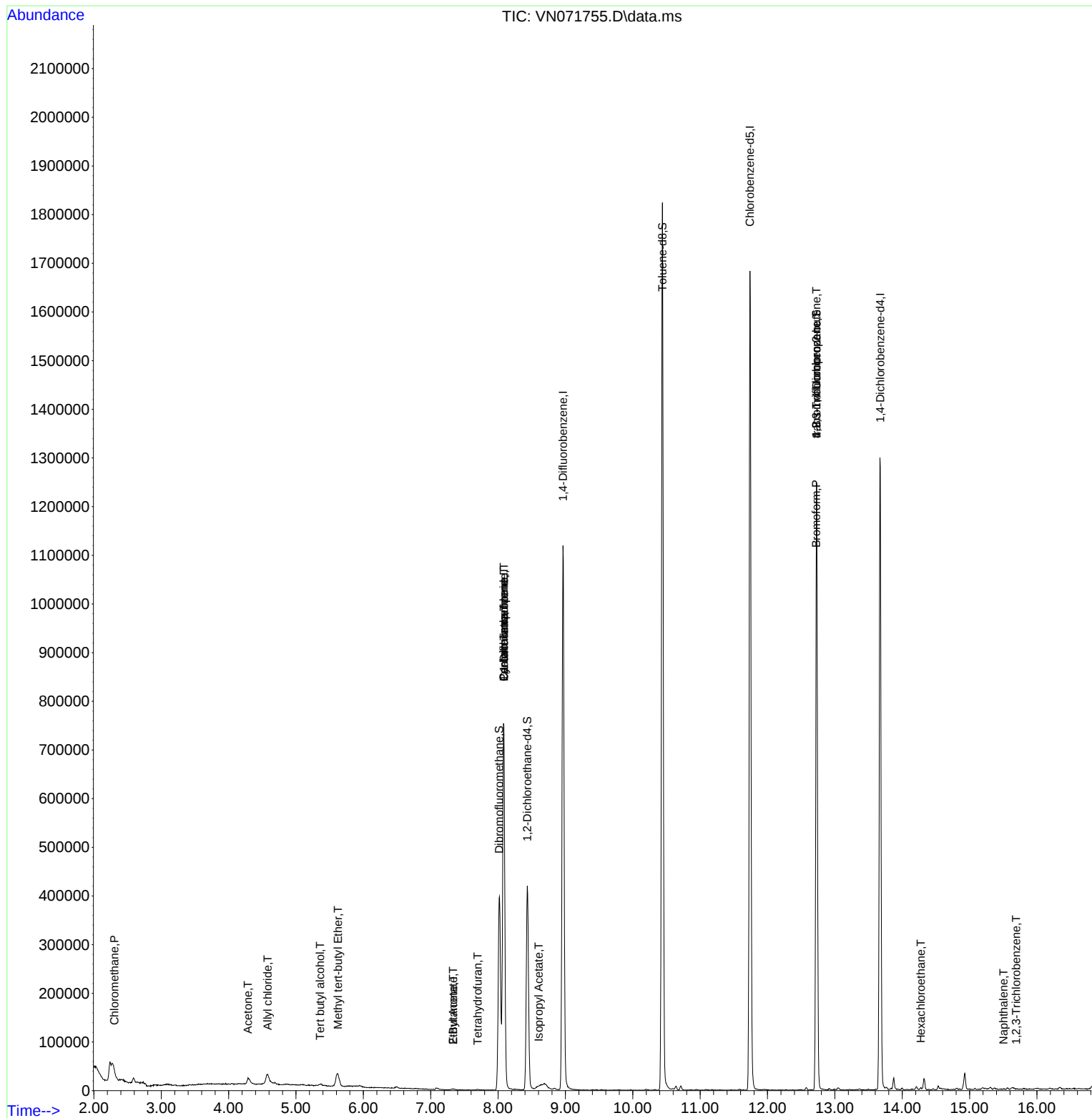
Target Compounds				Qvalue		
3) Chloromethane	2.304	50	2590	0.414	ug/l	90
11) Tert butyl alcohol	5.357	59	8060	6.999	ug/l #	88
14) Allyl chloride	4.581	41	3049	0.366	ug/l #	68
16) Acetone	4.287	43	21363	7.044	ug/l	99
18) Methyl Acetate	4.857	43	4199	Below Cal	#	68
19) Methyl tert-butyl Ether	5.622	73	45413	2.382	ug/l	94
25) 2-Butanone	7.334	43	2822	0.645	ug/l	91
29) Tetrahydrofuran	7.698	42	1104	0.390	ug/l #	41
31) Cyclohexane	8.086	56	11692	1.212	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	43863	5.088	ug/l #	48
37) Ethyl Acetate	7.334	43	2822	0.299	ug/l #	86
38) Carbon Tetrachloride	8.086	117	54723	6.477	ug/l #	17
43) Isopropyl Acetate	8.604	43	8070	0.514	ug/l #	53
71) Bromoform	12.721	173	1787	0.308	ug/l #	28
76) 1,2,3-Trichloropropane	12.727	75	214257	23.763	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	214257	73.642	ug/l #	10
90) Hexachloroethane	14.274	117	1511	0.336	ug/l #	9
95) Naphthalene	15.504	128	1373	3.874	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.692	180	118	2.433	ug/l #	1

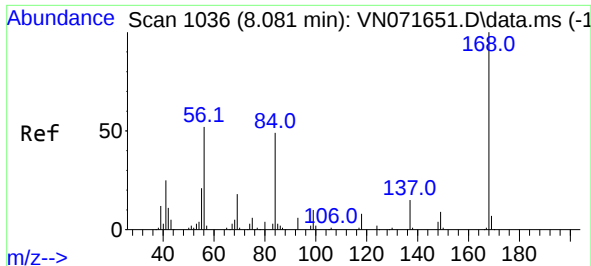
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
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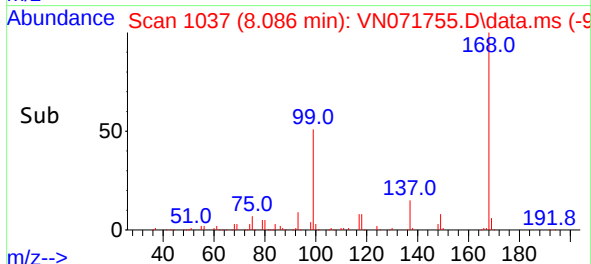
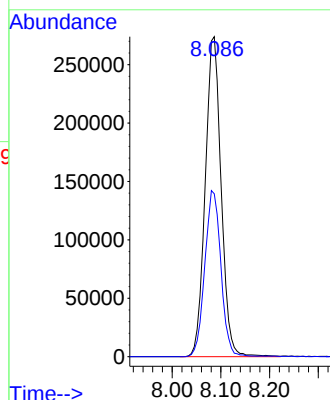
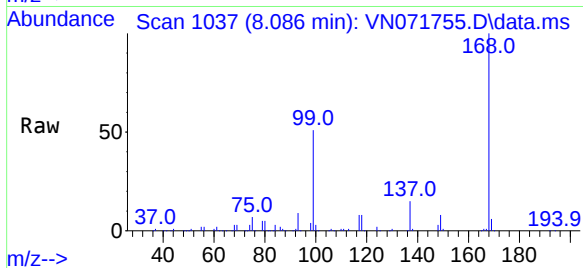




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

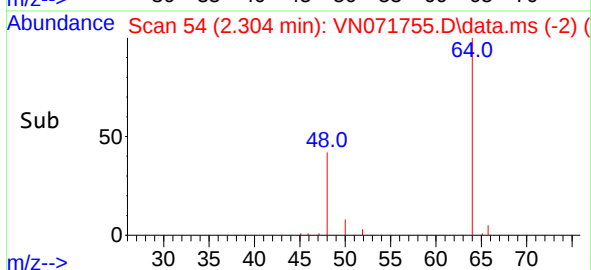
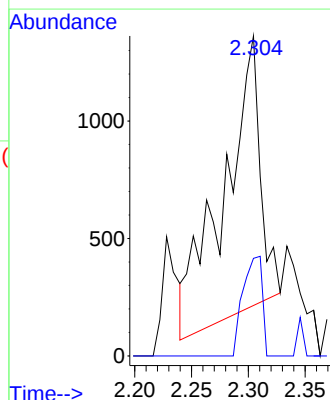
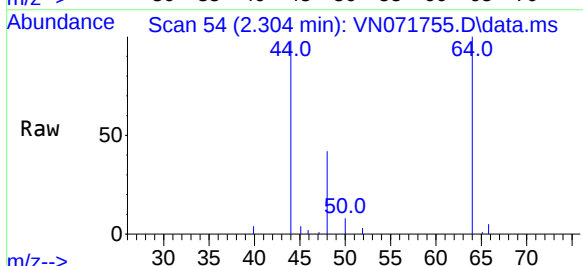
Instrument :
MSVOA_N
ClientSampleId :
MW-49

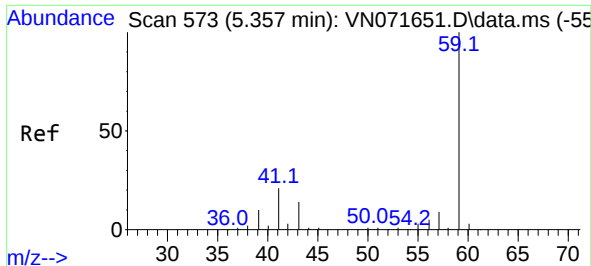
Tgt Ion:168 Resp: 621612
Ion Ratio Lower Upper
168 100
99 50.9 42.3 63.5



#3
Chloromethane
Concen: 0.414 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

Tgt Ion: 50 Resp: 2590
Ion Ratio Lower Upper
50 100
52 37.9 25.7 38.5

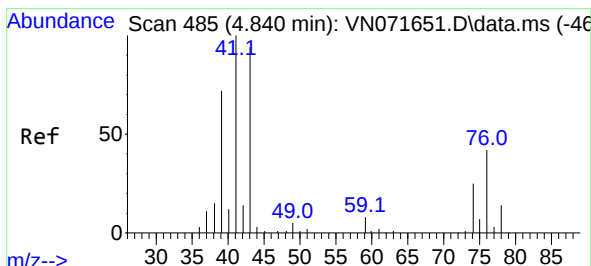
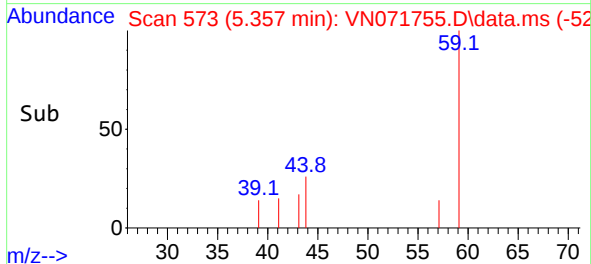
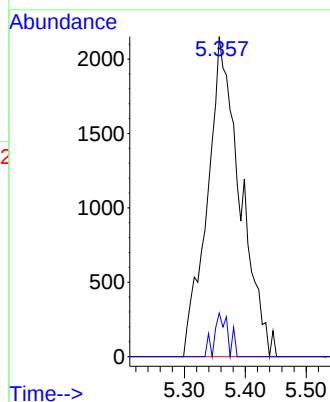
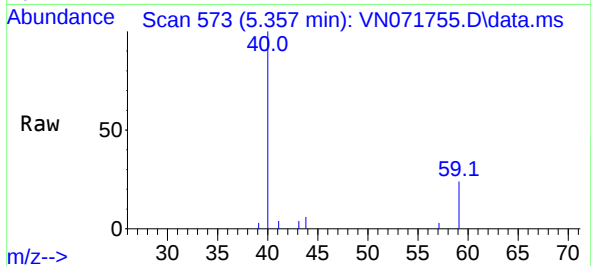




#11
Tert butyl alcohol
Concen: 6.999 ug/l
RT: 5.357 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

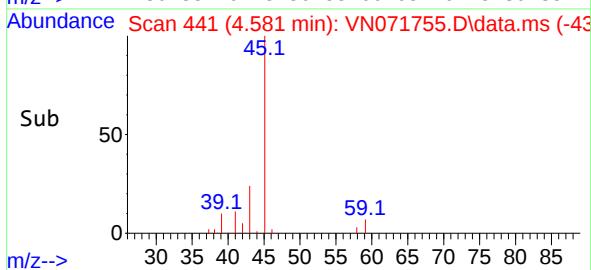
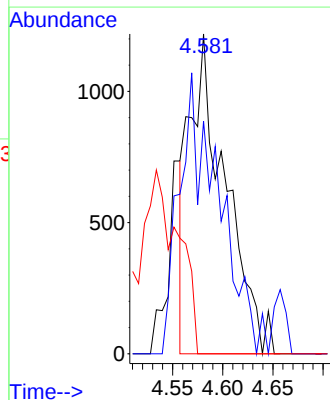
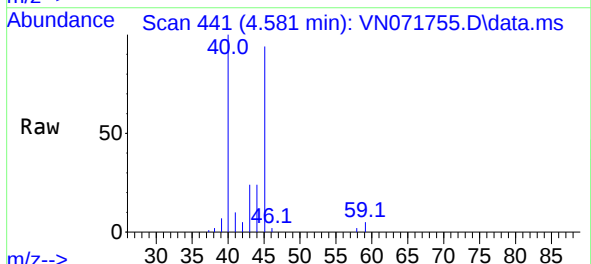
Instrument :
MSVOA_N
ClientSampleId :
MW-49

Tgt Ion: 59 Resp: 8060
Ion Ratio Lower Upper
59 100
57 5.7 8.3 12.5#



#14
Allyl chloride
Concen: 0.366 ug/l
RT: 4.581 min Scan# 441
Delta R.T. -0.259 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

Tgt Ion: 41 Resp: 3049
Ion Ratio Lower Upper
41 100
39 77.9 53.2 79.8
76 0.0 29.9 44.9#

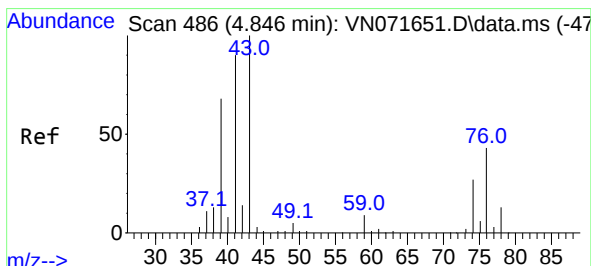
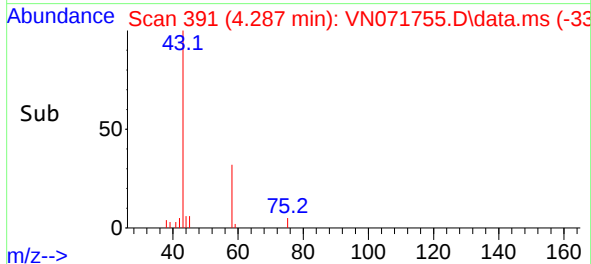
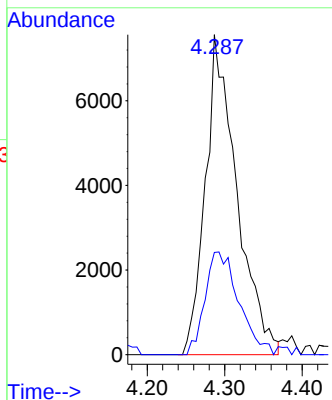
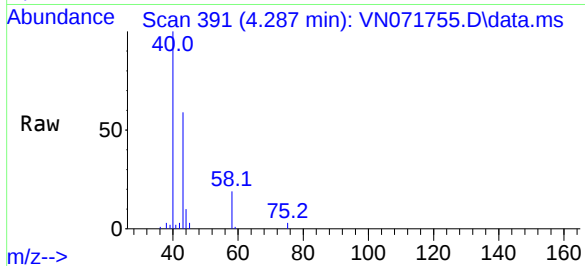




#16
Acetone
Concen: 7.044 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

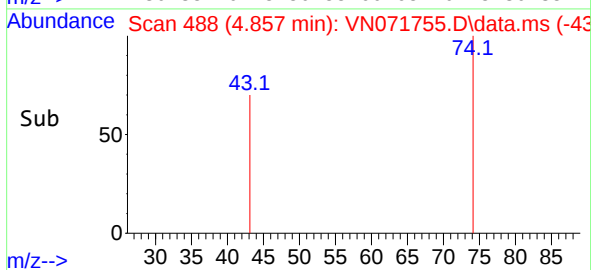
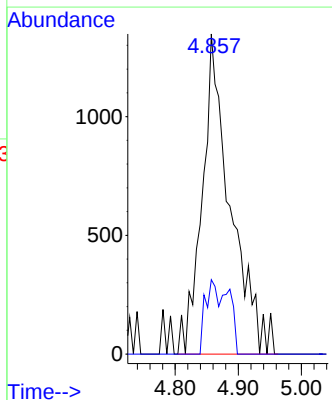
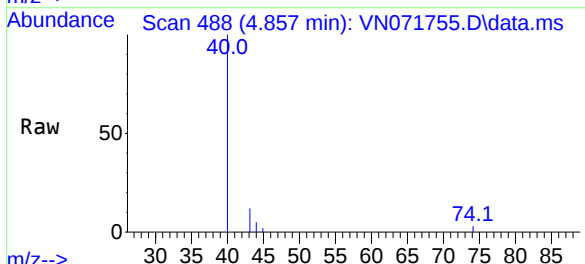
Instrument :
MSVOA_N
ClientSampleId :
MW-49

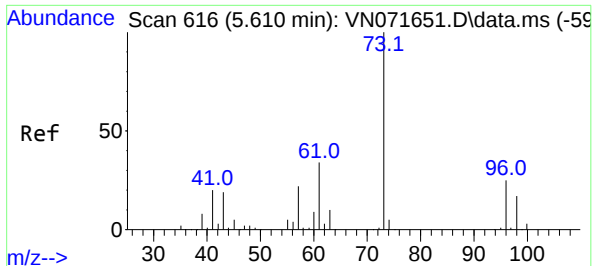
Tgt Ion: 43 Resp: 21363
Ion Ratio Lower Upper
43 100
58 31.9 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

Tgt Ion: 43 Resp: 4199
Ion Ratio Lower Upper
43 100
74 10.5 21.6 32.4#





#19

Methyl tert-butyl Ether

Concen: 2.382 ug/l

RT: 5.622 min Scan# 61

Delta R.T. 0.012 min

Lab File: VN071755.D

Acq: 01 Apr 2022 16:07

Instrument :

MSVOA_N

ClientSampleId :

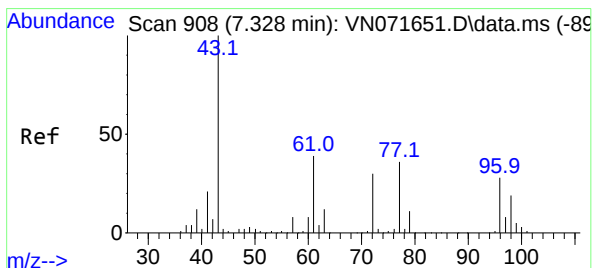
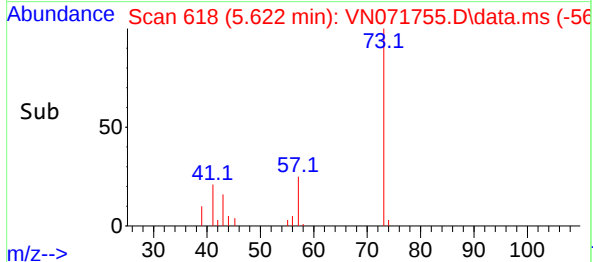
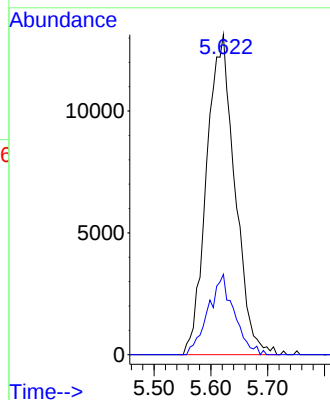
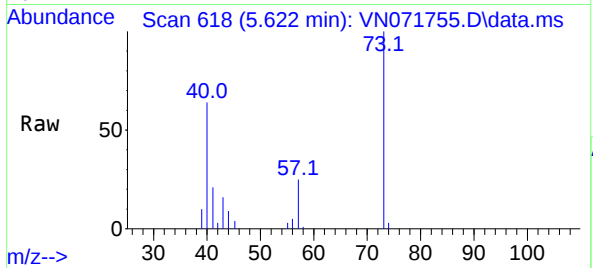
MW-49

Tgt Ion: 73 Resp: 45413

Ion Ratio Lower Upper

73 100

57 25.1 17.6 26.4



#25

2-Butanone

Concen: 0.645 ug/l

RT: 7.334 min Scan# 909

Delta R.T. 0.006 min

Lab File: VN071755.D

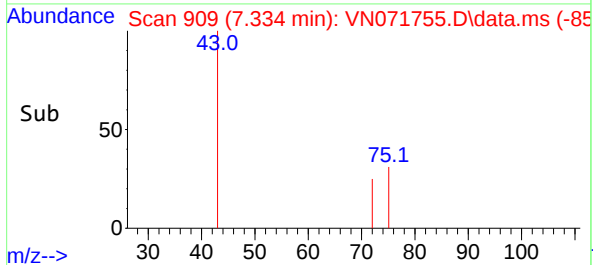
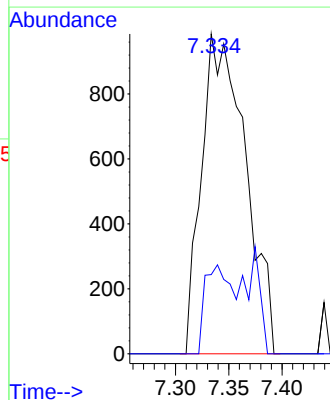
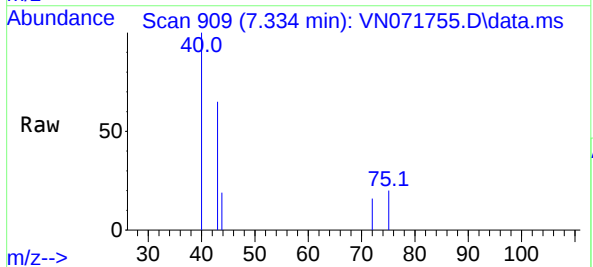
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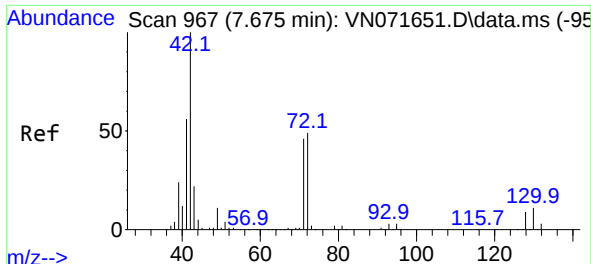
Tgt Ion: 43 Resp: 2822

Ion Ratio Lower Upper

43 100

72 24.8 23.7 35.5

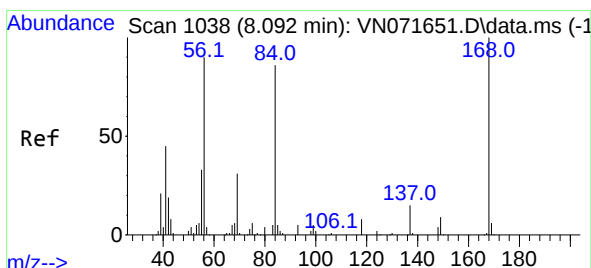
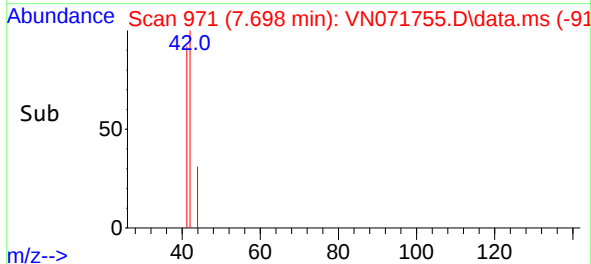
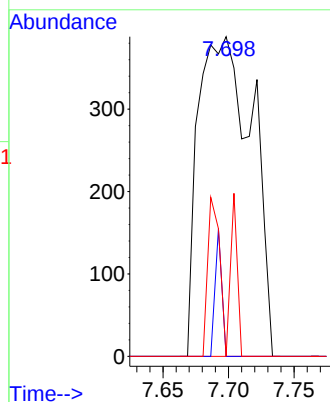
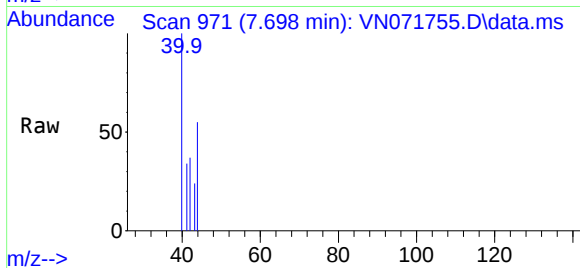




#29
Tetrahydrofuran
Concen: 0.390 ug/l
RT: 7.698 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

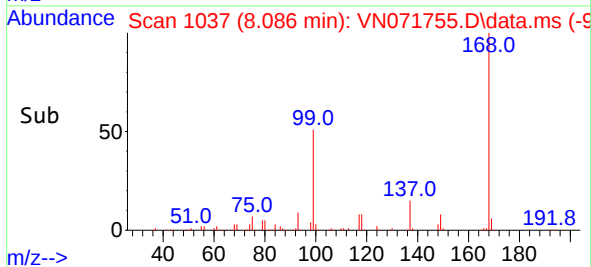
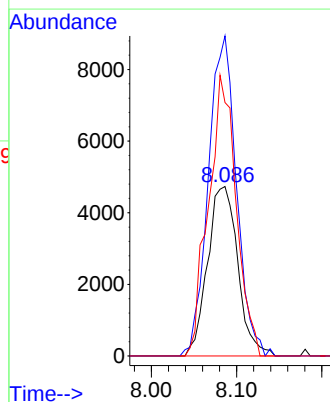
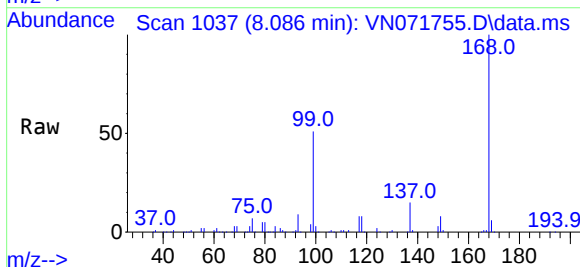
Instrument :
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ClientSampleId :
MW-49

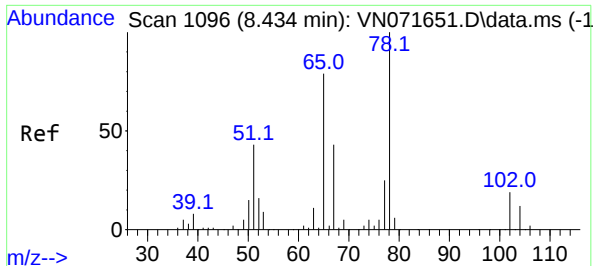
Tgt Ion: 42 Resp: 1104
Ion Ratio Lower Upper
42 100
72 5.0 39.7 59.5#
71 11.1 36.6 55.0#



#31
Cyclohexane
Concen: 1.212 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

Tgt Ion: 56 Resp: 11692
Ion Ratio Lower Upper
56 100
69 188.9 27.8 41.8#
84 149.6 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 50.375 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071755.D

Acq: 01 Apr 2022 16:07

Instrument :

MSVOA_N

ClientSampleId :

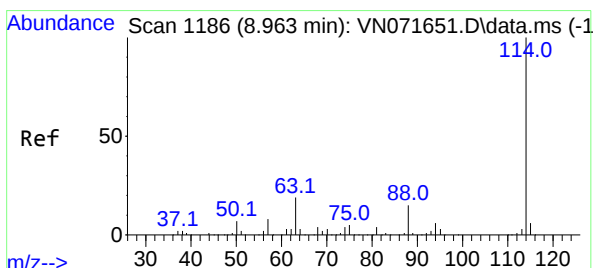
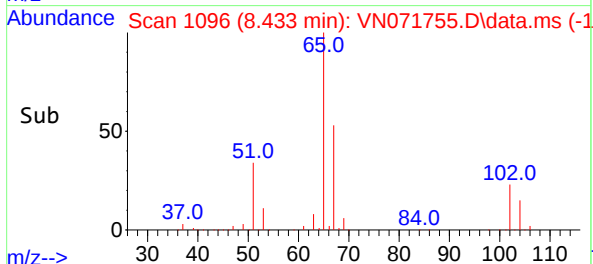
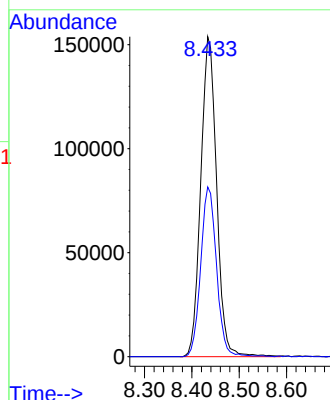
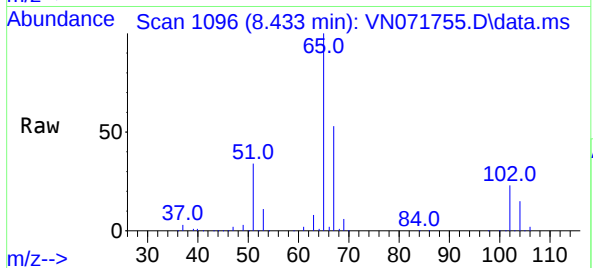
MW-49

Tgt Ion: 65 Resp: 357480

Ion Ratio Lower Upper

65 100

67 53.0 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: VN071755.D

Acq: 01 Apr 2022 16:07

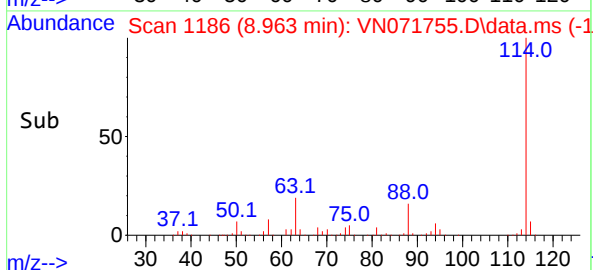
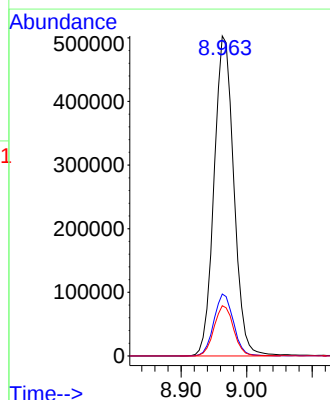
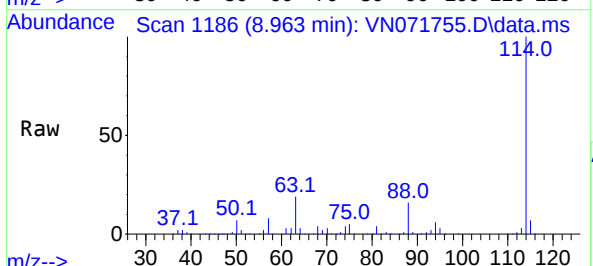
Tgt Ion: 114 Resp: 1049059

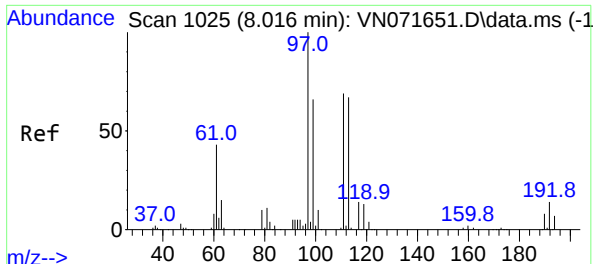
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 15.7 0.0 32.6

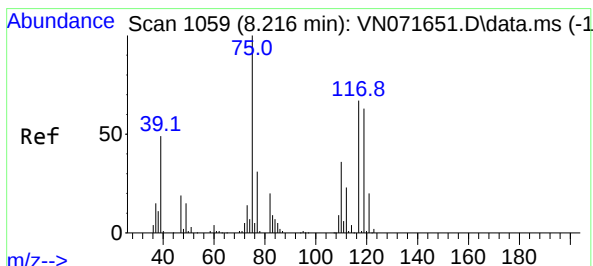
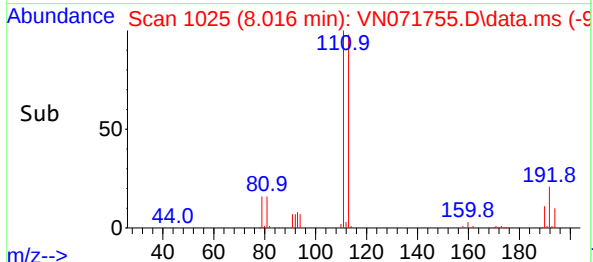
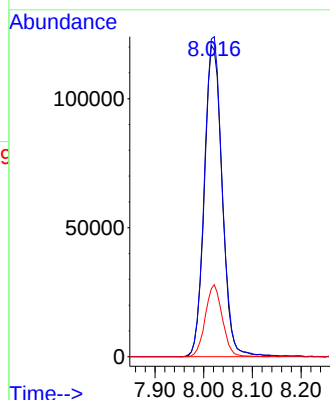
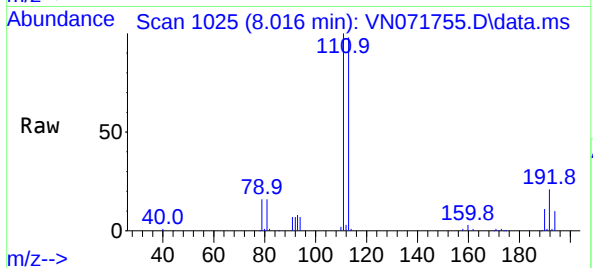




#35
Dibromofluoromethane
Concen: 49.515 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

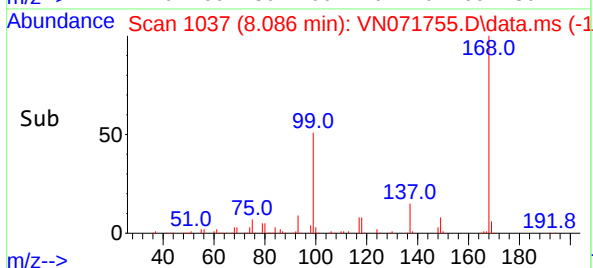
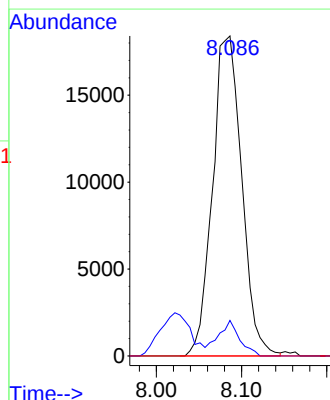
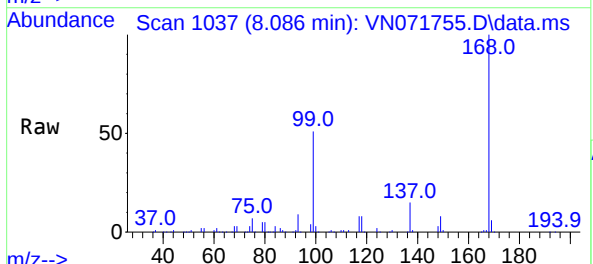
Instrument :
MSVOA_N
ClientSampleId :
MW-49

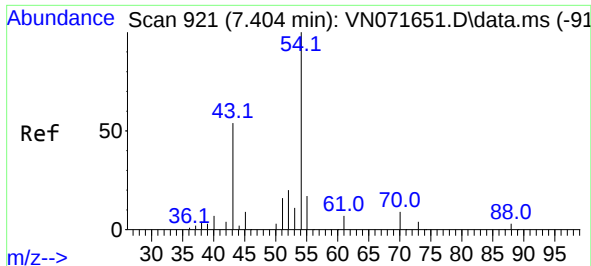
Tgt Ion:113 Resp: 305661
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 22.2 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.088 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

Tgt Ion: 75 Resp: 43863
Ion Ratio Lower Upper
75 100
110 8.2 18.3 54.8#
77 0.0 25.1 37.7#

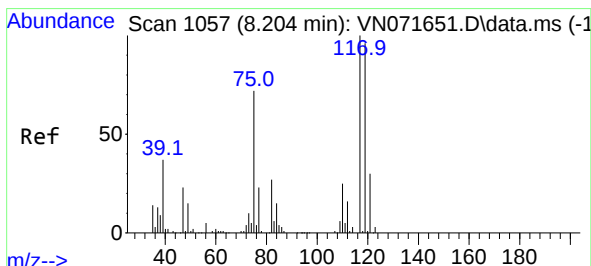
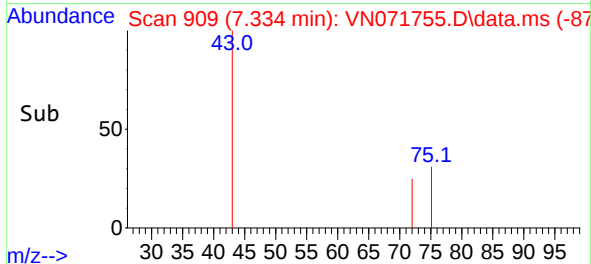
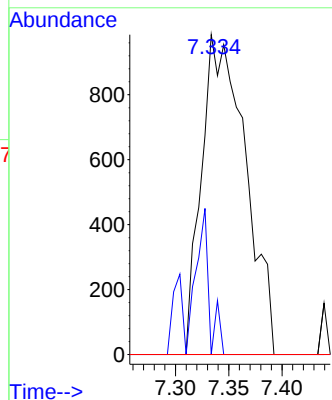
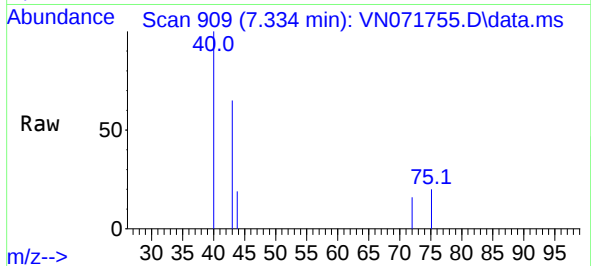




#37
Ethyl Acetate
Concen: 0.299 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.070 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

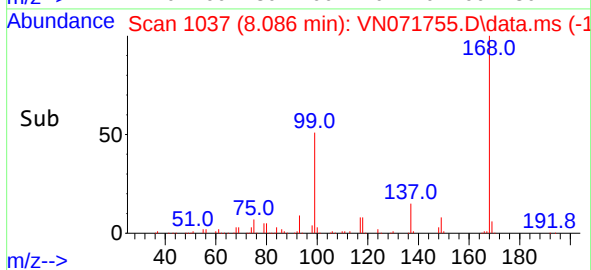
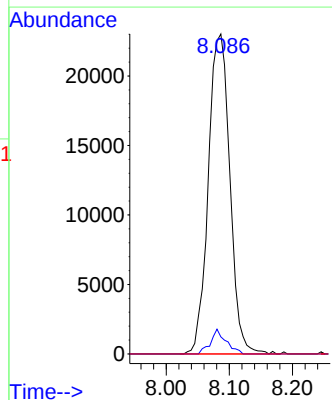
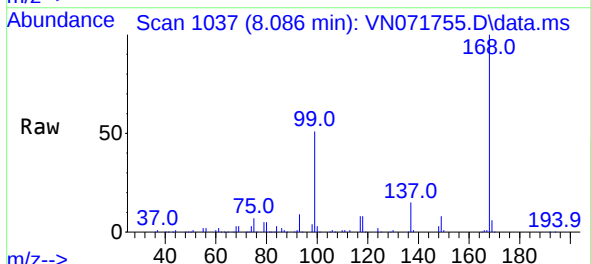
Instrument :
MSVOA_N
ClientSampleId :
MW-49

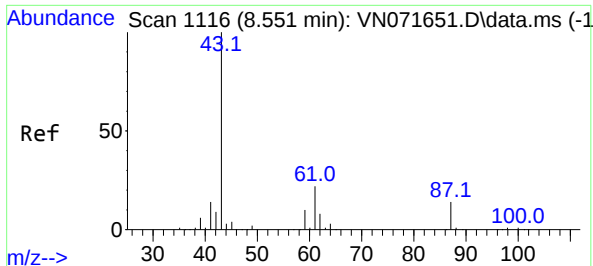
Tgt Ion: 43 Resp: 2822
Ion Ratio Lower Upper
43 100
61 14.0 11.8 17.6
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.477 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

Tgt Ion: 117 Resp: 54723
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 24.6 37.0#

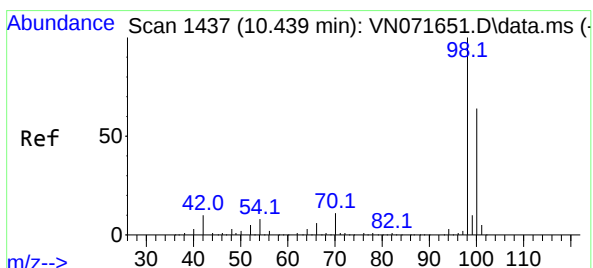
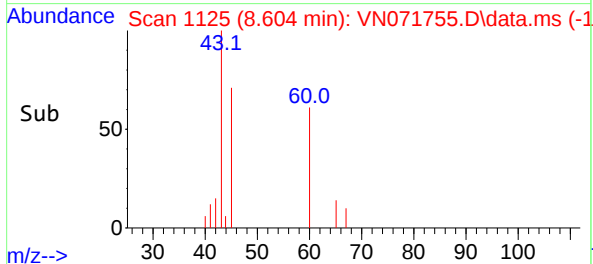
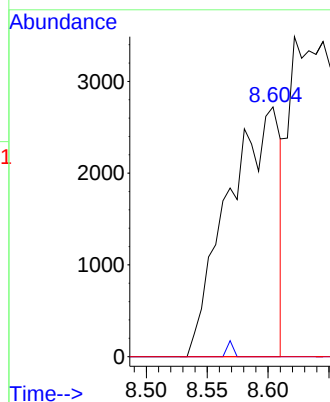
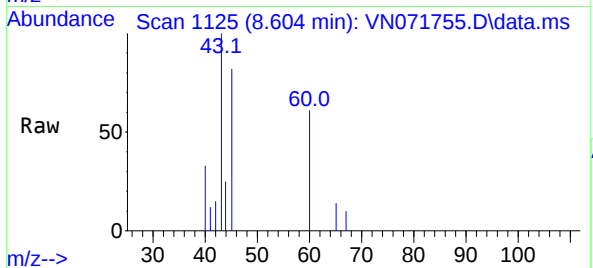




#43
Isopropyl Acetate
Concen: 0.514 ug/l
RT: 8.604 min Scan# 1116
Delta R.T. 0.053 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

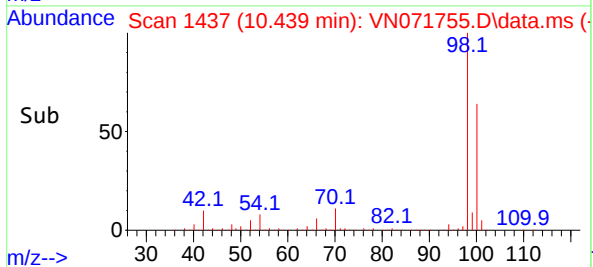
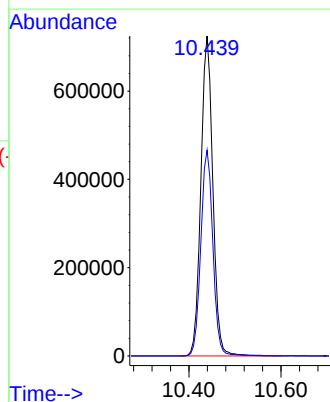
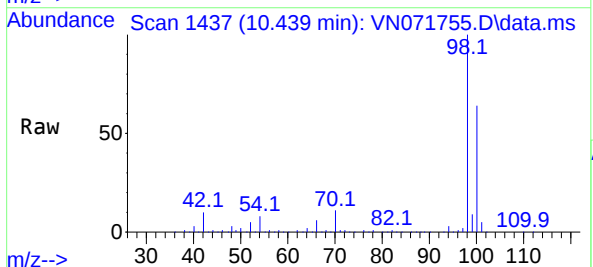
Instrument :
MSVOA_N
ClientSampleId :
MW-49

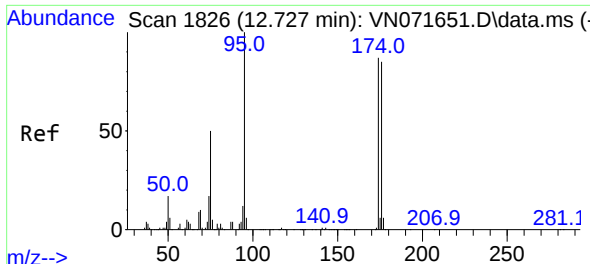
Tgt Ion: 43 Resp: 8070
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 51.913 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

Tgt Ion: 98 Resp: 1310938
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

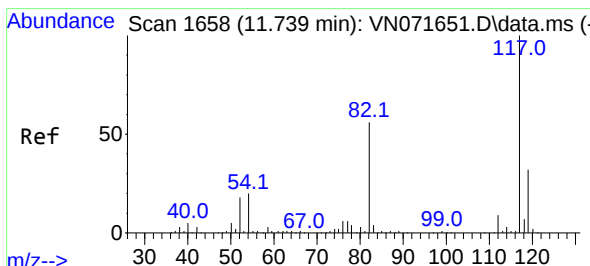
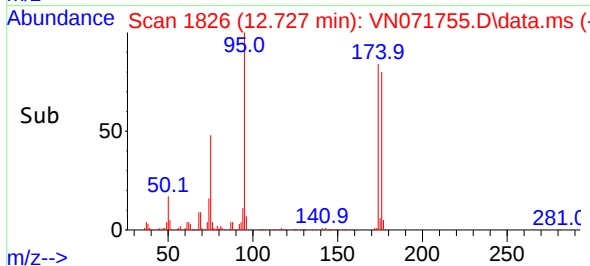
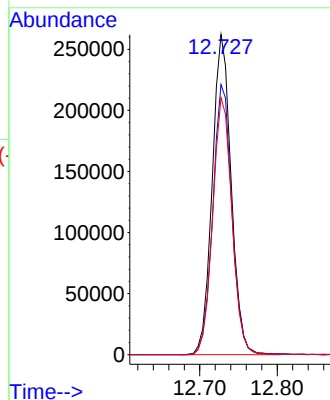
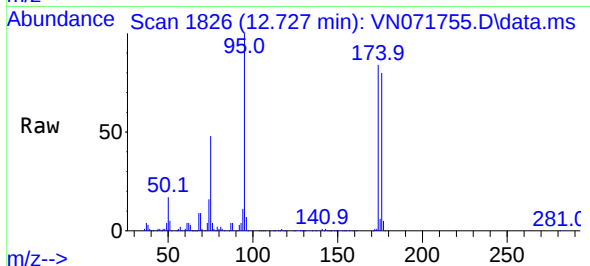




#62
4-Bromofluorobenzene
Concen: 54.396 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

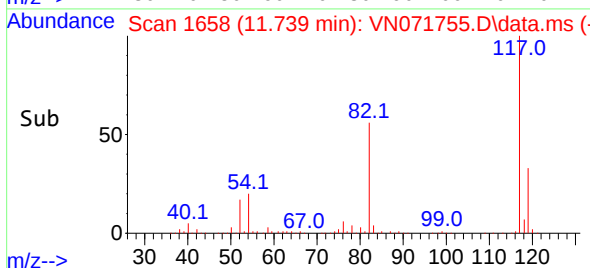
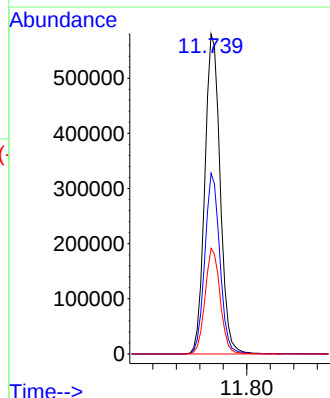
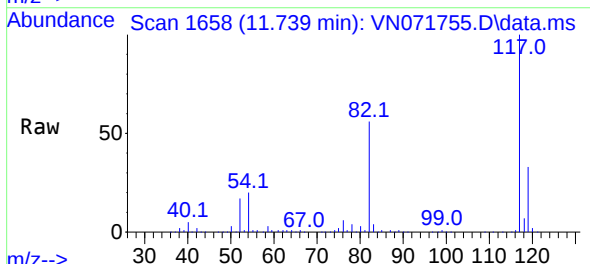
Instrument :
MSVOA_N
ClientSampleId :
MW-49

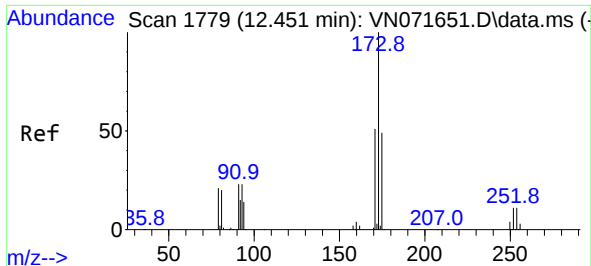
Tgt Ion: 95 Resp: 444263
Ion Ratio Lower Upper
95 100
174 85.1 0.0 167.6
176 81.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

Tgt Ion: 117 Resp: 1054229
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.2
119 33.0 25.4 38.0

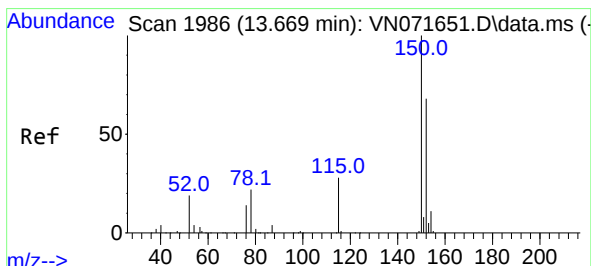
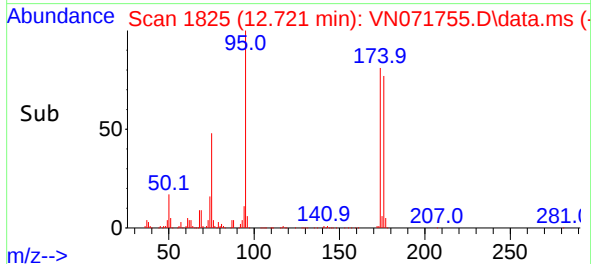
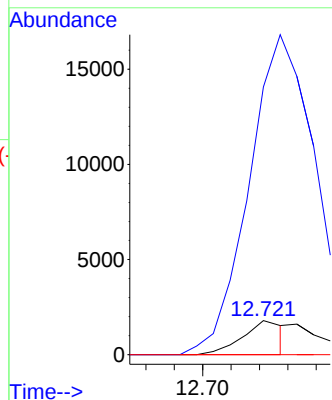
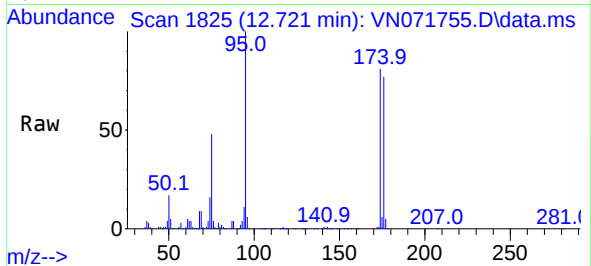




#71
Bromoform
Concen: 0.308 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.270 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

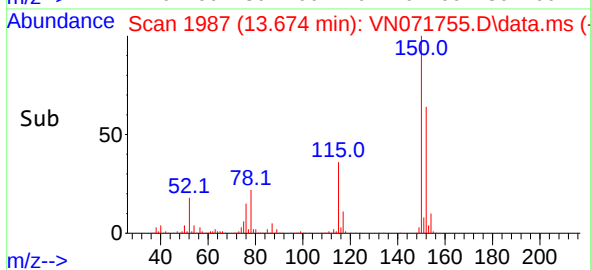
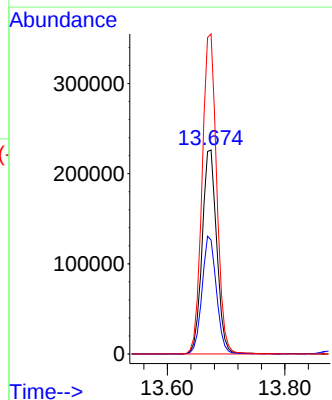
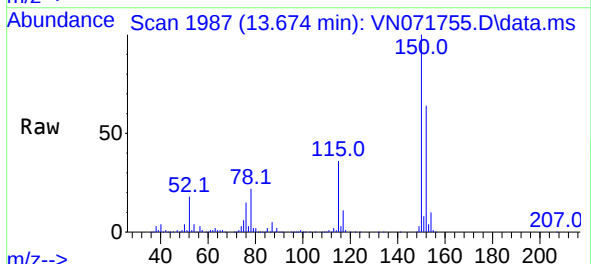
Instrument :
MSVOA_N
ClientSampleId :
MW-49

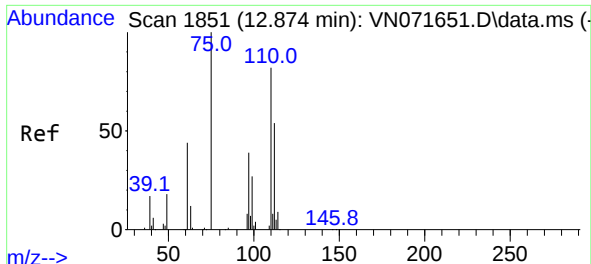
Tgt Ion:173 Resp: 1787
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

Tgt Ion:152 Resp: 389208
Ion Ratio Lower Upper
152 100
115 57.0 28.9 86.7
150 157.1 0.0 356.2

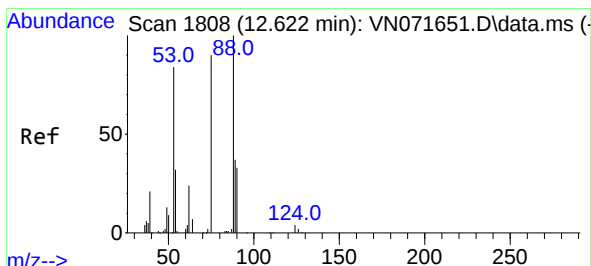
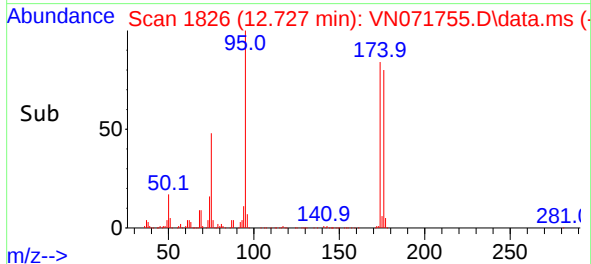
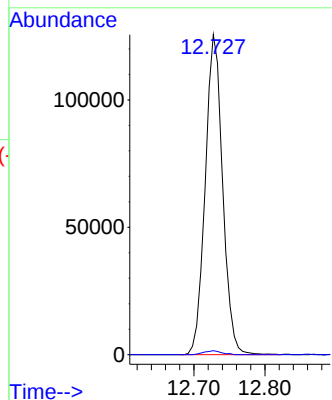
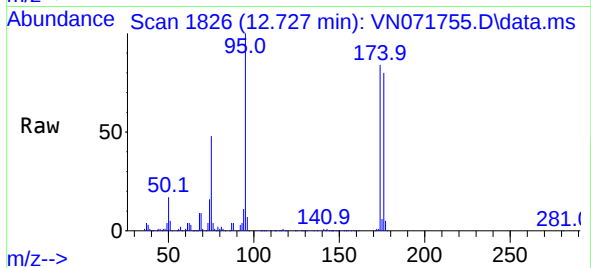




#76
1,2,3-Trichloropropane
Concen: 23.763 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

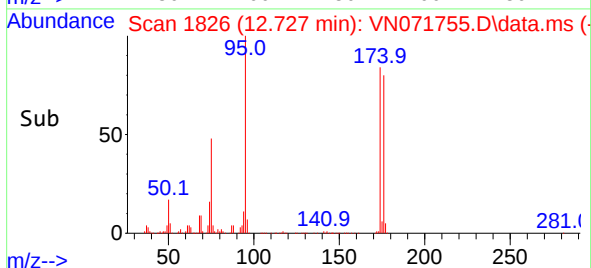
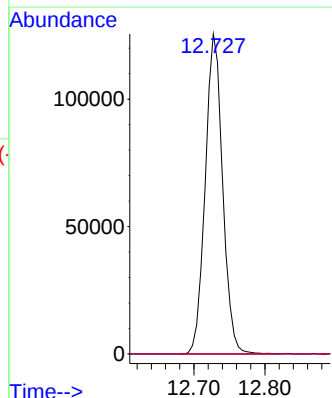
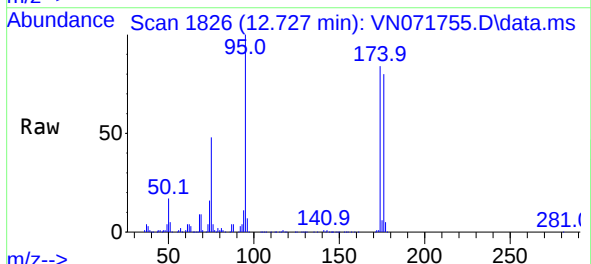
Instrument :
MSVOA_N
ClientSampleId :
MW-49

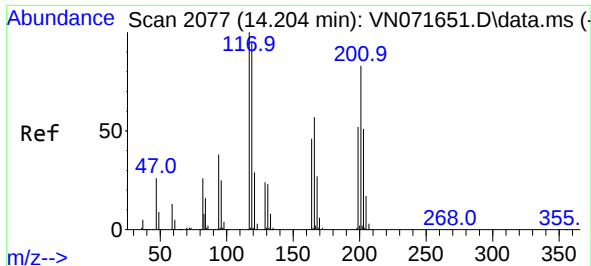
Tgt Ion: 75 Resp: 214257
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.642 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

Tgt Ion: 75 Resp: 214257
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

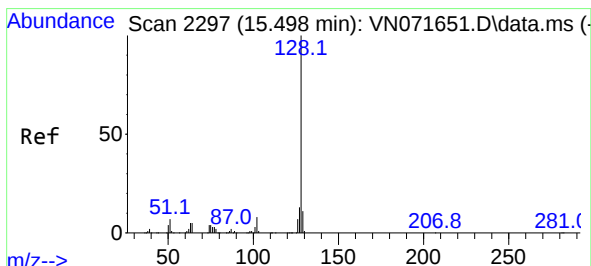
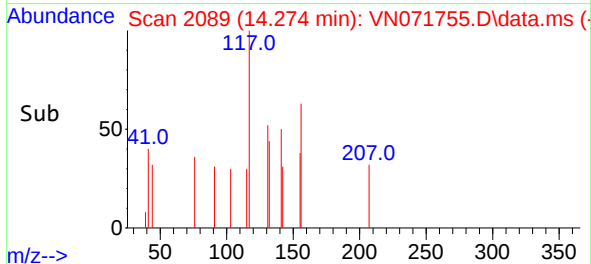
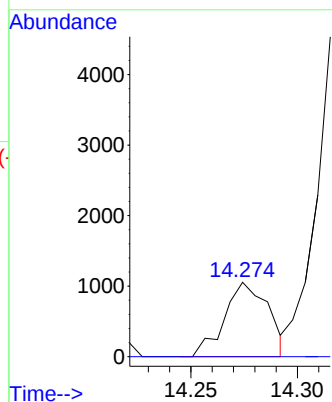
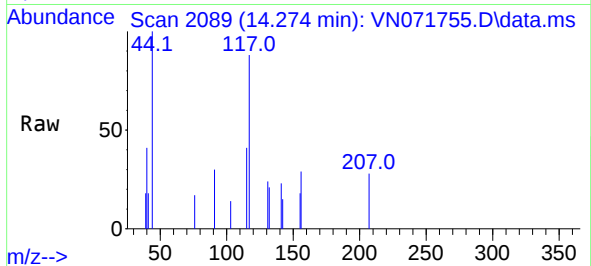




#90
Hexachloroethane
Concen: 0.336 ug/l
RT: 14.274 min Scan# 2077
Delta R.T. 0.070 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

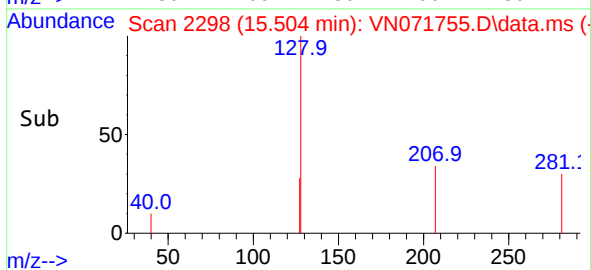
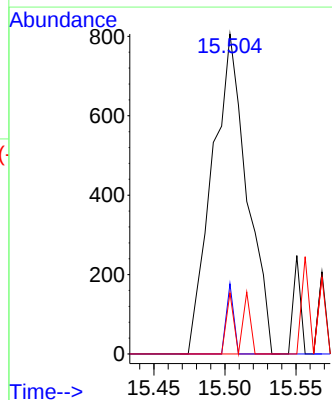
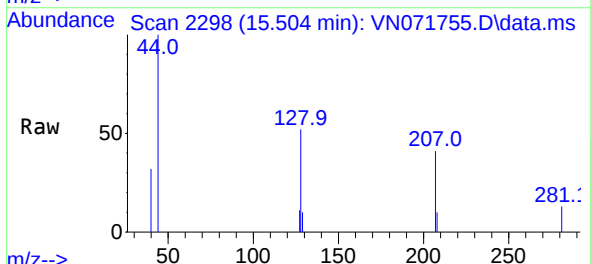
Instrument :
MSVOA_N
ClientSampleId :
MW-49

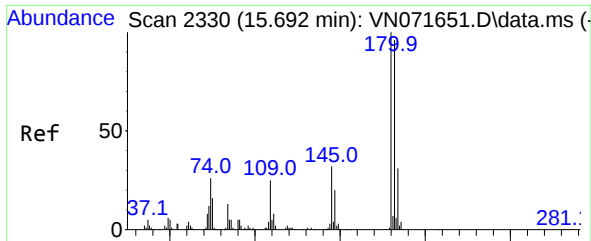
Tgt Ion:117 Resp: 1511
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 3.874 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071755.D
Acq: 01 Apr 2022 16:07

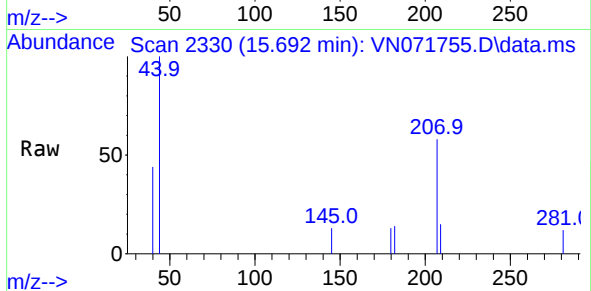
Tgt Ion:128 Resp: 1373
Ion Ratio Lower Upper
128 100
127 4.5 10.3 15.5#
129 7.9 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.433 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071755.D
 Acq: 01 Apr 2022 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-49



Tgt Ion:	180	Resp:	118
Ion	Ratio	Lower	Upper
180	100		
182	55.1	47.8	143.3
145	240.7	15.5	46.5#

