

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072621\
 Data File : VN067916.D
 Acq On : 26 Jul 2021 18:54
 Operator : JC/MD
 Sample : M3147-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 27 01:32:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

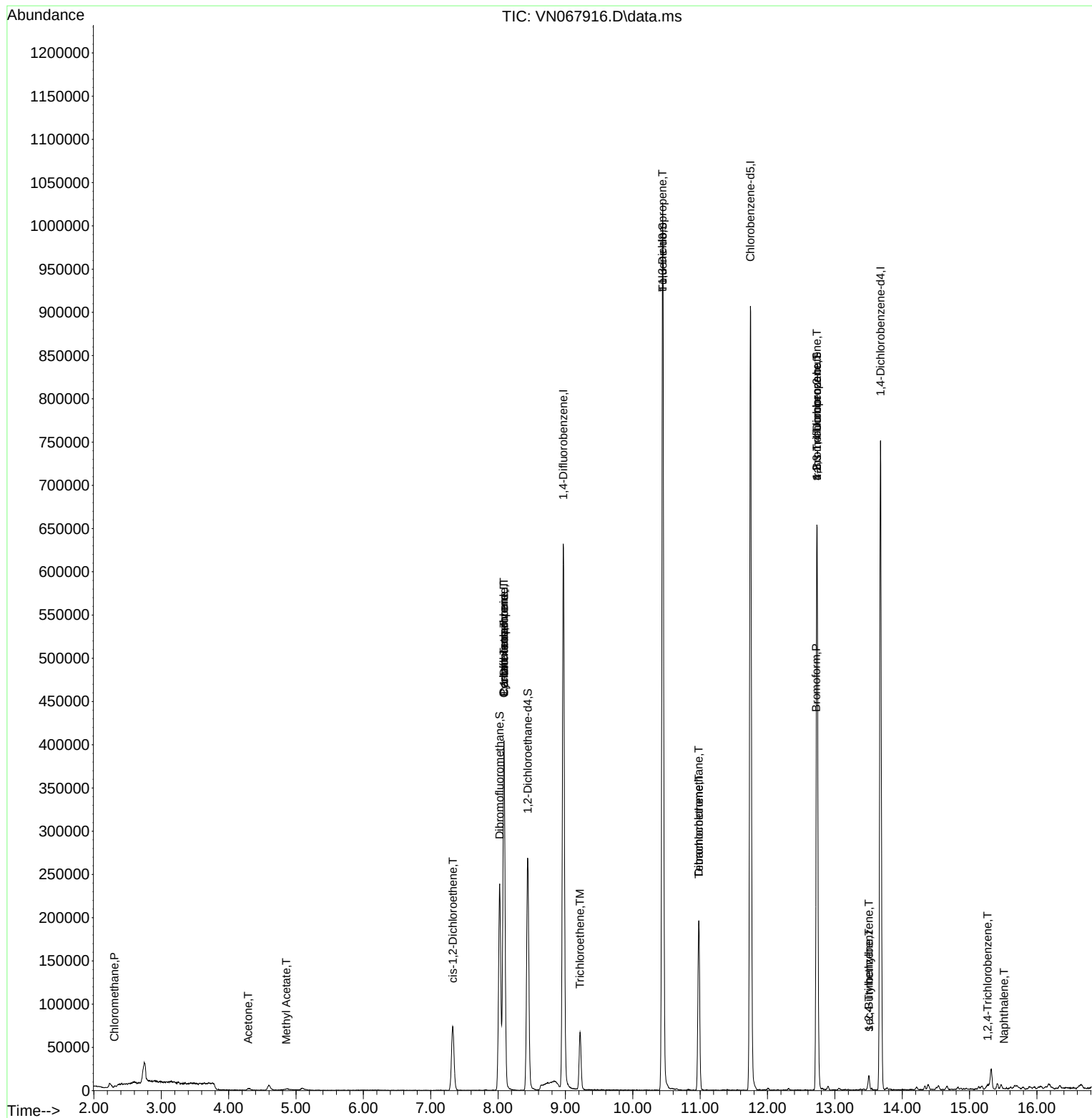
Internal Standards						
1) Pentafluorobenzene	8.088	168	289224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	556973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	529347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	191274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	231973	53.070	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.140%	
35) Dibromofluoromethane	8.024	113	169082	50.246	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.500%	
50) Toluene-d8	10.443	98	704366	50.007	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.020%	
62) 4-Bromofluorobenzene	12.734	95	231847	46.595	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 93.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	1108	0.285	ug/l	91
5) Bromomethane	2.818	94	90	Below Cal	#	4
6) Chloroethane	2.971	64	59	Below Cal	#	44
13) Acrolein	4.055	56	114	Below Cal	#	14
16) Acetone	4.288	43	4711	3.425	ug/l	93
18) Methyl Acetate	4.854	43	1354	0.350	ug/l	# 80
20) Methylene Chloride	5.103	84	480	Below Cal	#	45
27) cis-1,2-Dichloroethene	7.329	96	43838	11.521	ug/l	77
31) Cyclohexane	8.086	56	7773	1.268	ug/l	# 11
36) 1,1-Dichloropropene	8.088	75	25904	5.007	ug/l	# 49
38) Carbon Tetrachloride	8.088	117	31936	6.258	ug/l	# 17
44) Trichloroethene	9.215	130	23187	5.900	ug/l	90
53) t-1,3-Dichloropropene	10.440	75	57	1.753	ug/l	# 33
60) Dibromochloromethane	10.980	129	42505	10.845	ug/l	# 11
64) Tetrachloroethene	10.982	164	42232	11.302	ug/l	94
71) Bromoform	12.723	173	479	3.308	ug/l	# 1
76) 1,2,3-Trichloropropane	12.734	75	130836	33.495	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	130836	107.991	ug/l	# 6
84) 1,2,4-Trimethylbenzene	13.506	105	11264	0.919	ug/l	# 34
85) sec-Butylbenzene	13.506	105	11264	0.763	ug/l	92
93) 1,2,4-Trichlorobenzene	15.268	180	463	2.812	ug/l	# 1
95) Naphthalene	15.509	128	682	3.081	ug/l	# 69

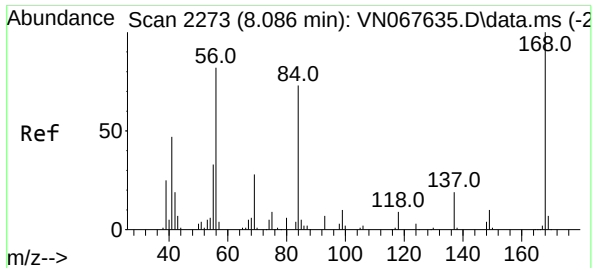
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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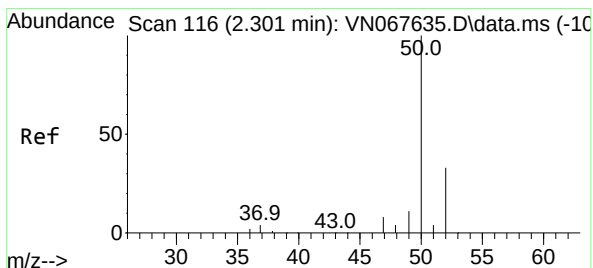
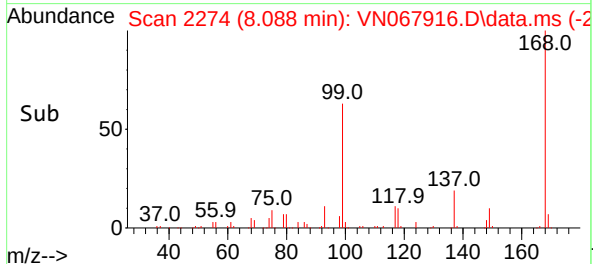
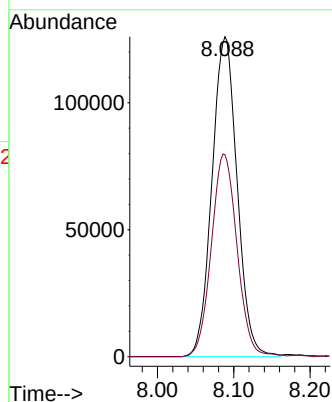
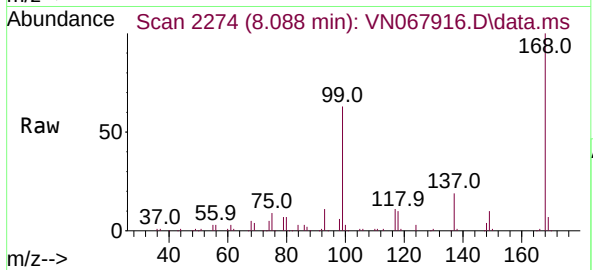




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

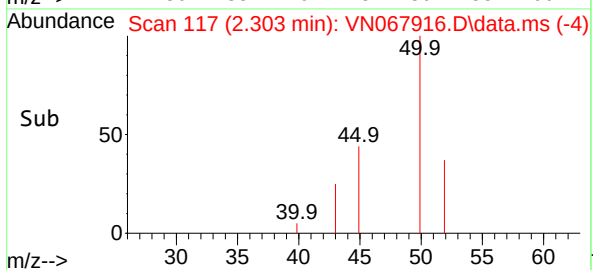
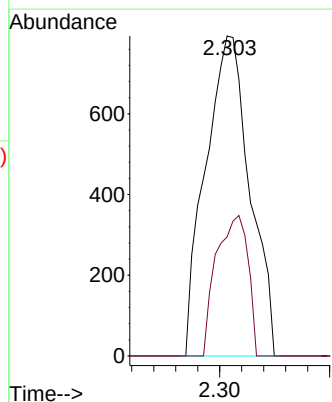
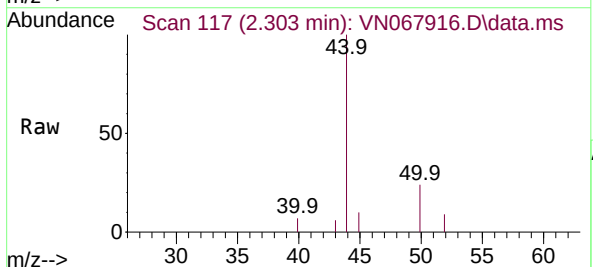
Instrument :
MSVOA_N
ClientSampleId :

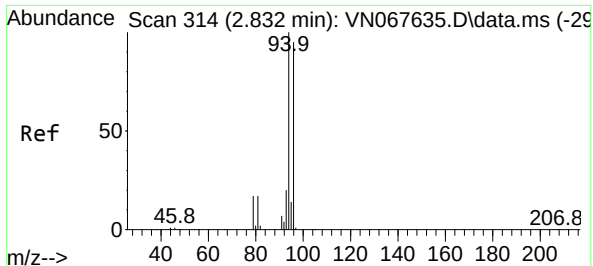
Tgt Ion:168 Resp: 289224
Ion Ratio Lower Upper
168 100
99 63.1 62.9 94.3



#3
Chloromethane
Concen: 0.285 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Tgt Ion: 50 Resp: 1108
Ion Ratio Lower Upper
50 100
52 37.2 25.6 38.4

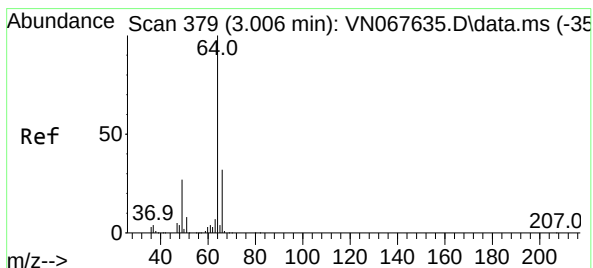
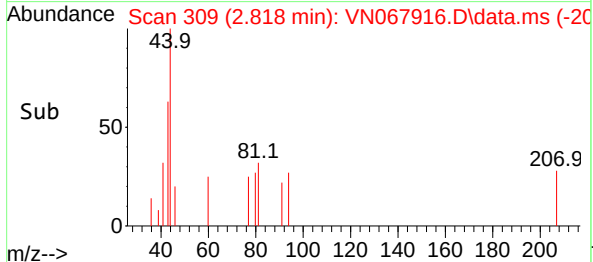
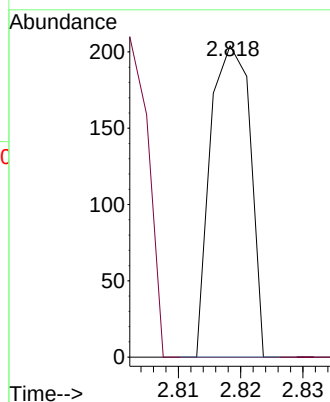
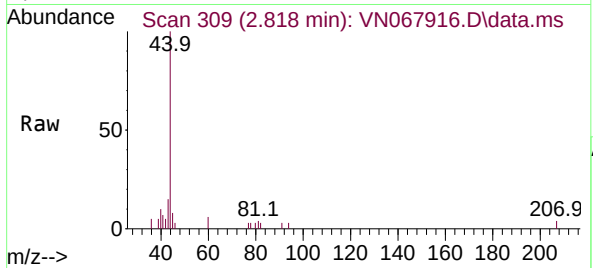




#5
Bromomethane
Concen: Below Cal
RT: 2.818 min Scan# 309
Delta R.T. -0.014 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

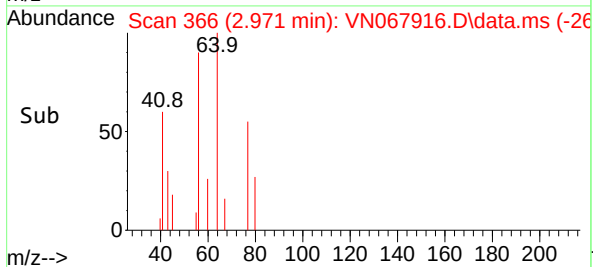
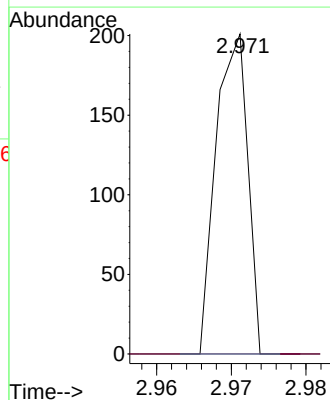
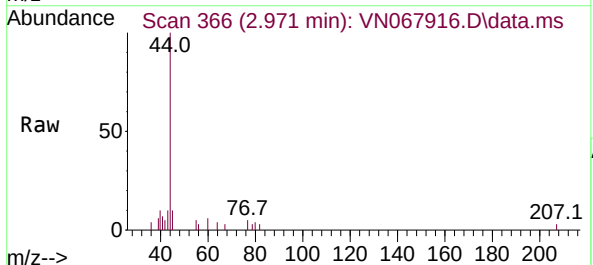
Instrument :
MSVOA_N
ClientSampled :

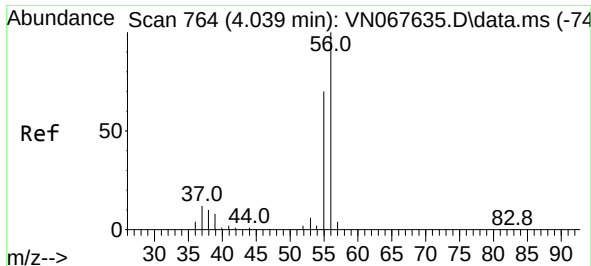
Tgt Ion: 94 Resp: 90
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 2.971 min Scan# 366
Delta R.T. -0.035 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

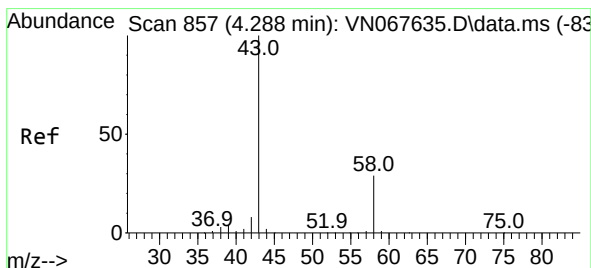
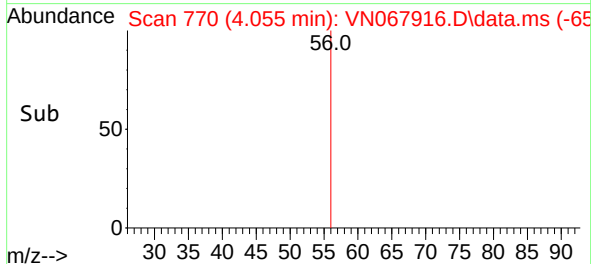
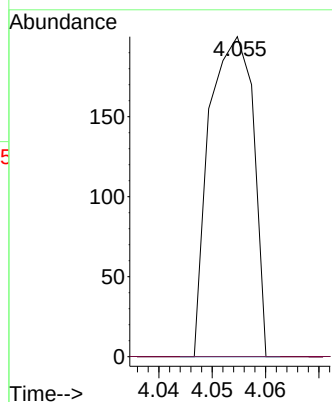
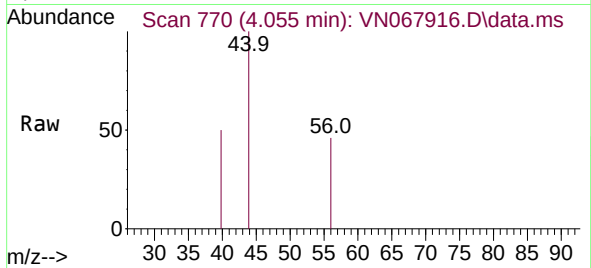




#13
Acrolein
Concen: Below Cal
RT: 4.055 min Scan# 770
Delta R.T. 0.016 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

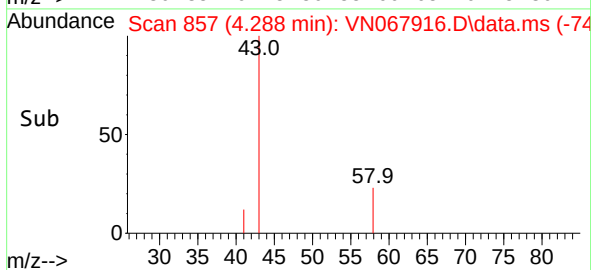
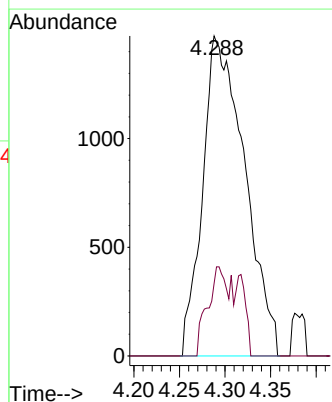
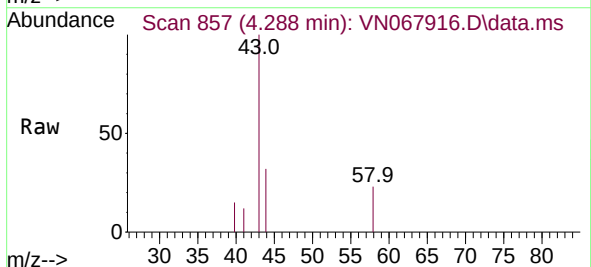
Instrument :
MSVOA_N
ClientSampled :

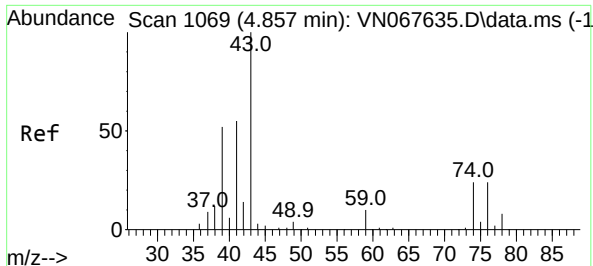
Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 3.425 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.000 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Tgt Ion: 43 Resp: 4711
Ion Ratio Lower Upper
43 100
58 22.7 21.2 31.8

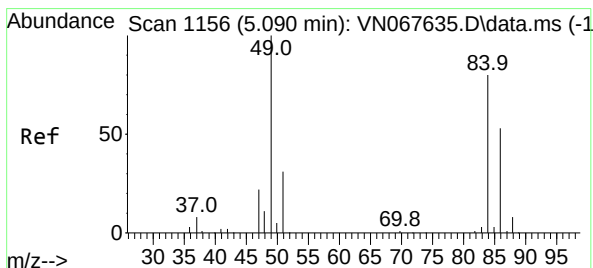
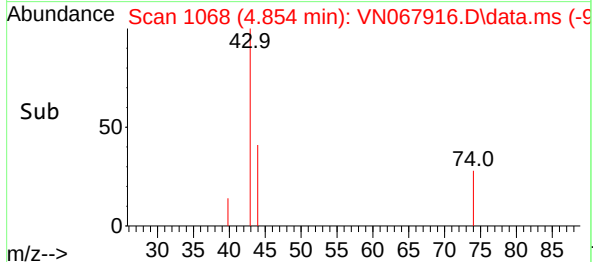
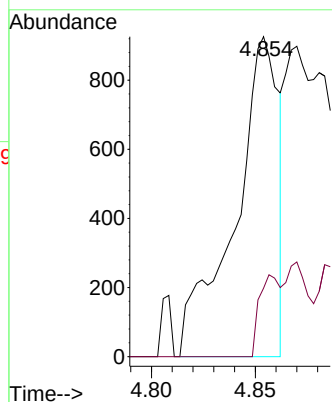
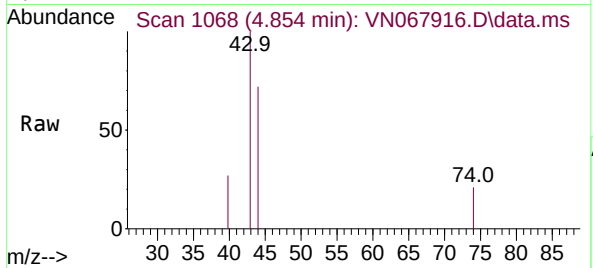




#18
Methyl Acetate
Concen: 0.350 ug/l
RT: 4.854 min Scan# 1068
Delta R.T. -0.003 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

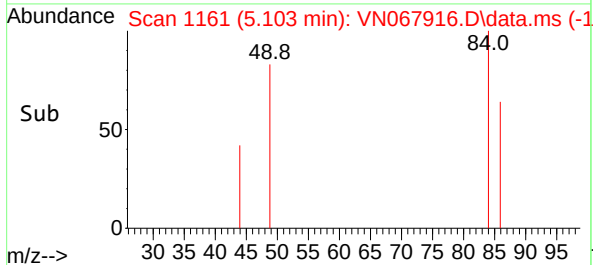
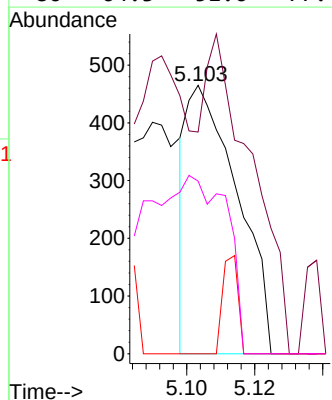
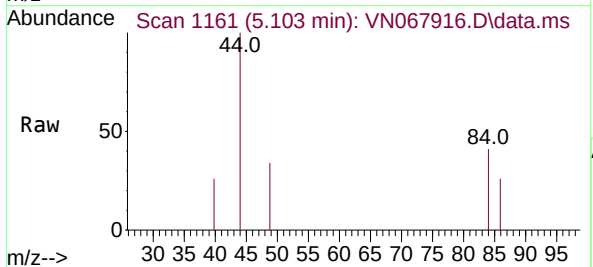
Instrument :
MSVOA_N
ClientSampled :

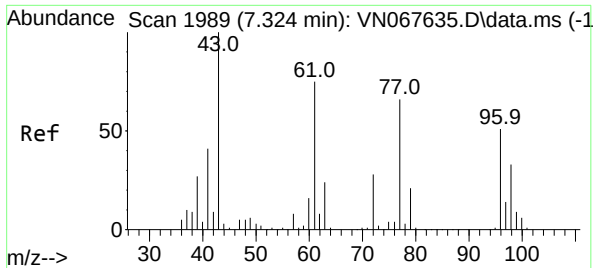
Tgt Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
74 12.2 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.103 min Scan# 1161
Delta R.T. 0.013 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Tgt Ion: 84 Resp: 480
Ion Ratio Lower Upper
84 100
49 44.7 110.9 166.3#
51 0.0 32.6 49.0#
86 64.3 51.6 77.4

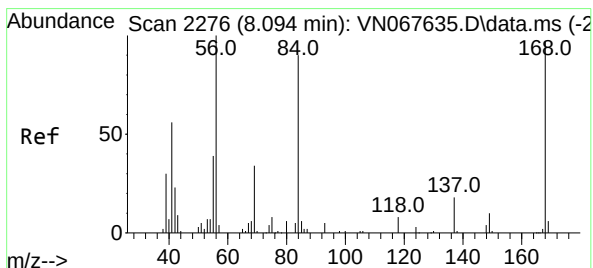
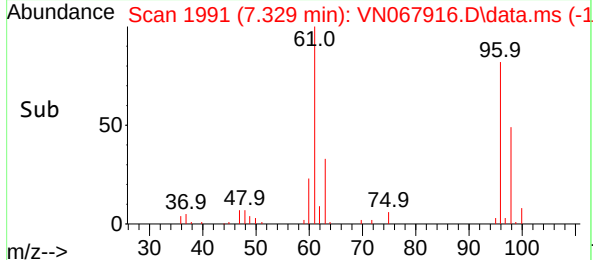
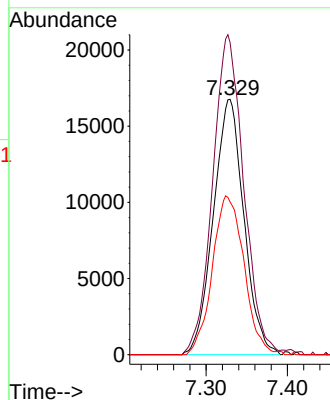
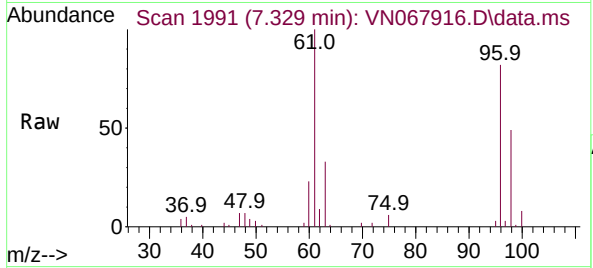




#27
 cis-1,2-Dichloroethene
 Concen: 11.521 ug/l
 RT: 7.329 min Scan# 1991
 Delta R.T. 0.005 min
 Lab File: VN067916.D
 Acq: 26 Jul 2021 18:54

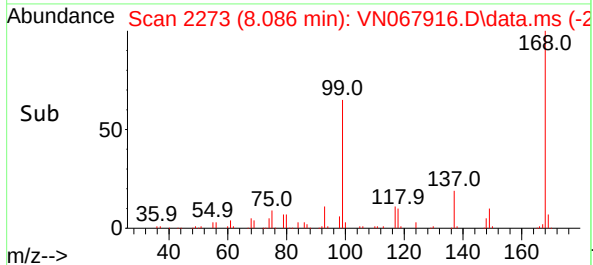
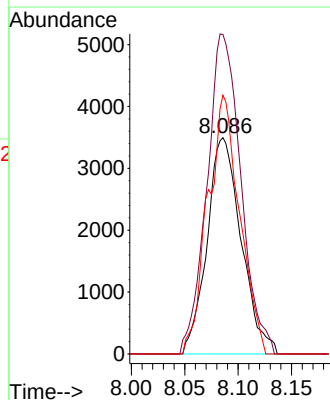
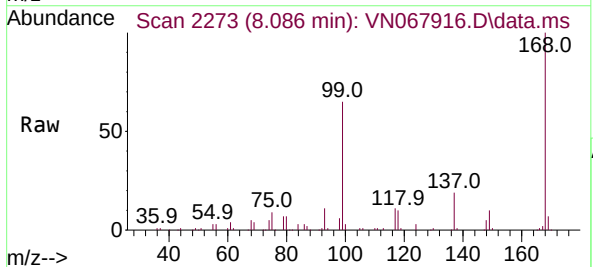
Instrument :
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 ClientSampled :

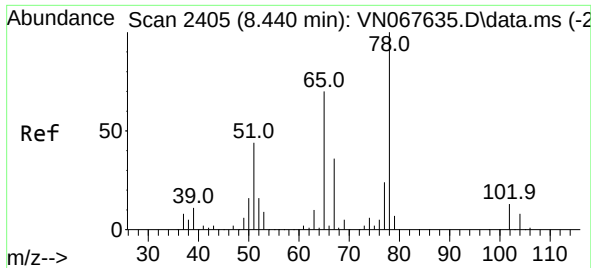
Tgt Ion:	96	Resp:	43838
Ion	Ratio	Lower	Upper
96	100		
61	127.0	0.0	338.8
98	64.2	0.0	129.8



#31
 Cyclohexane
 Concen: 1.268 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.008 min
 Lab File: VN067916.D
 Acq: 26 Jul 2021 18:54

Tgt Ion:	56	Resp:	7773
Ion	Ratio	Lower	Upper
56	100		
69	147.7	27.3	40.9#
84	119.6	64.9	97.3#

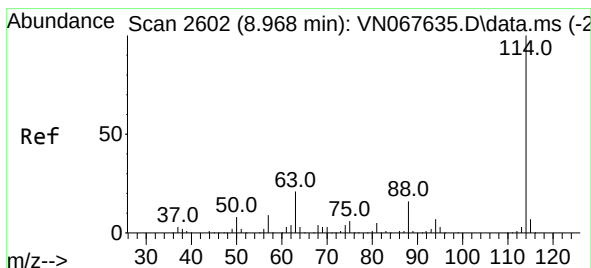
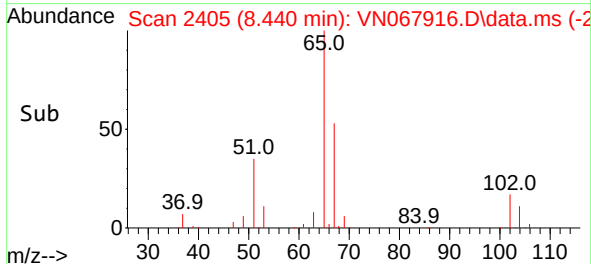
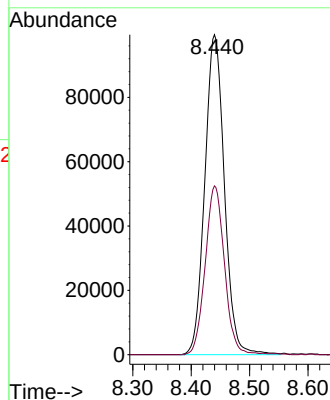
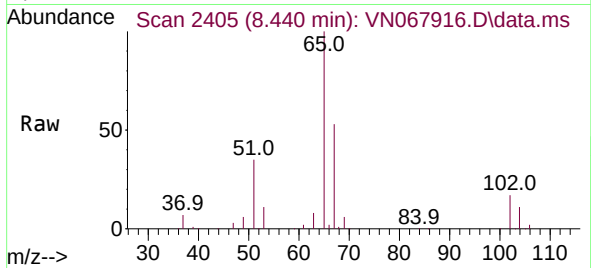




#33
 1,2-Dichloroethane-d4
 Concen: 53.070 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN067916.D
 Acq: 26 Jul 2021 18:54

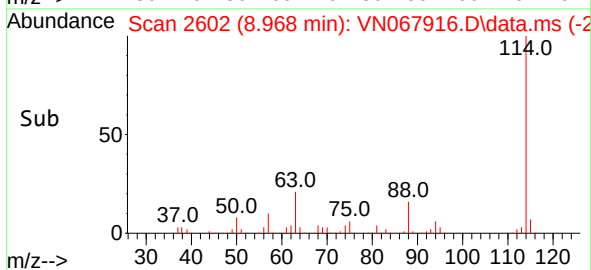
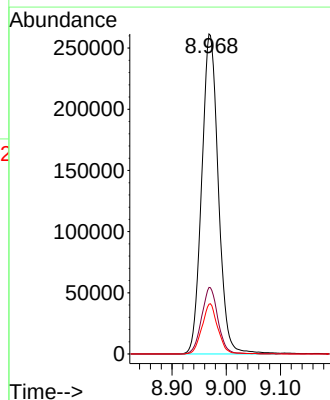
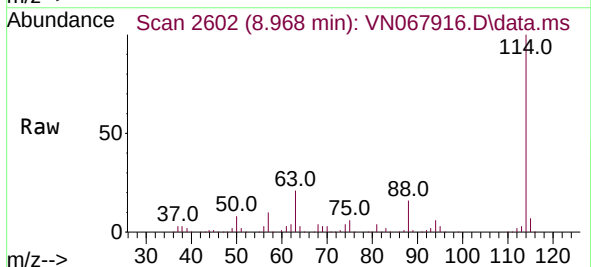
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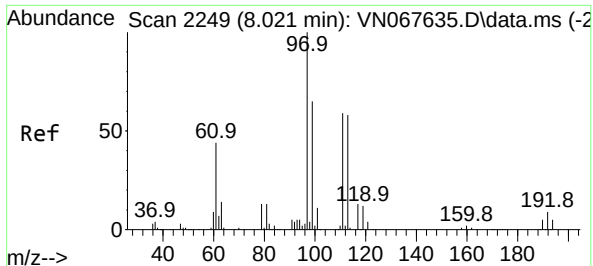
Tgt Ion: 65 Resp: 231973
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN067916.D
 Acq: 26 Jul 2021 18:54

Tgt Ion: 114 Resp: 556973
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 49.0
 88 15.5 0.0 36.6





#35

Dibromofluoromethane

Concen: 50.246 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN067916.D

Acq: 26 Jul 2021 18:54

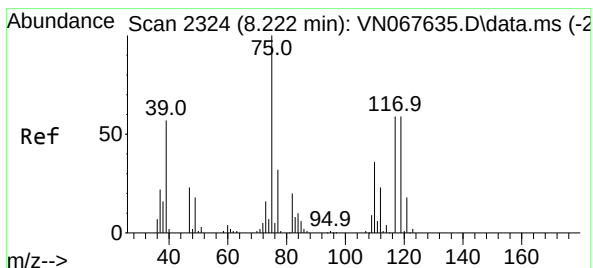
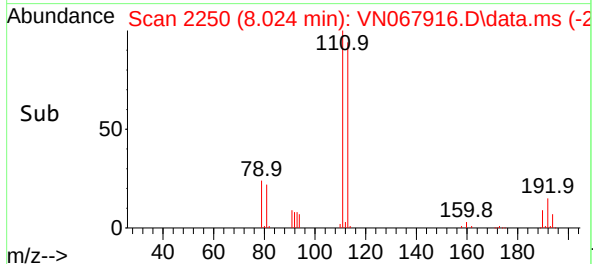
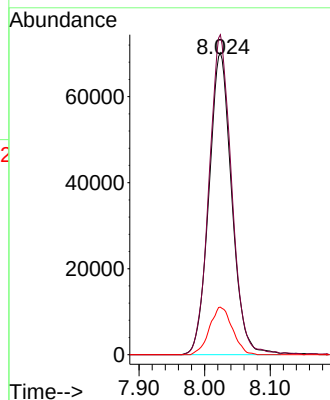
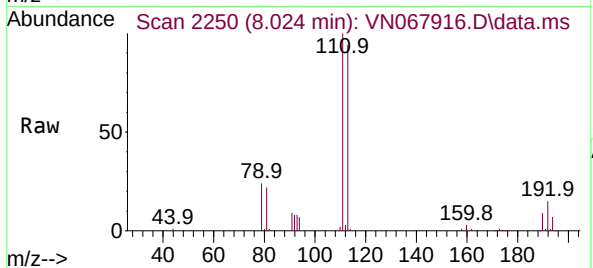
Tgt Ion:113 Resp: 169082

Ion Ratio Lower Upper

113 100

111 104.6 83.8 125.8

192 15.8 13.4 20.0



#36

1,1-Dichloropropene

Concen: 5.007 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN067916.D

Acq: 26 Jul 2021 18:54

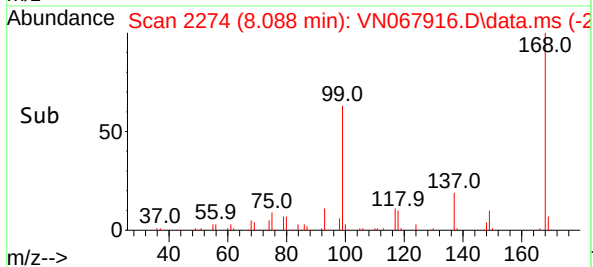
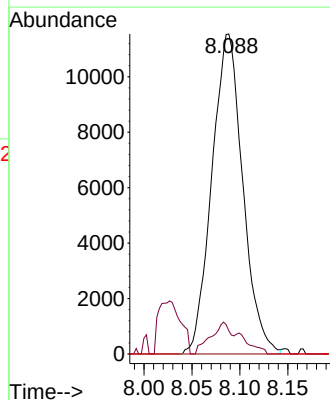
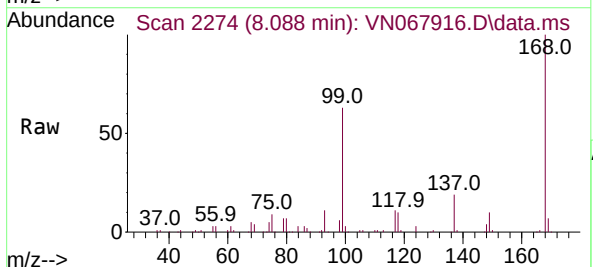
Tgt Ion: 75 Resp: 25904

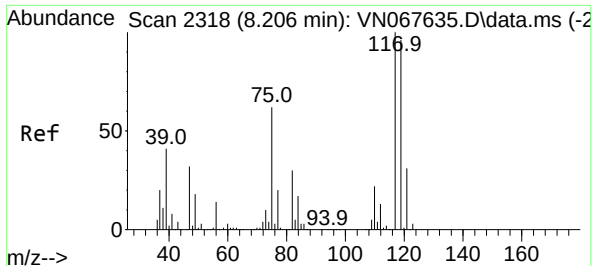
Ion Ratio Lower Upper

75 100

110 6.5 15.7 47.0#

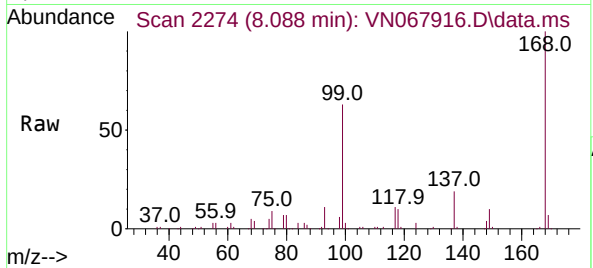
77 0.0 24.6 37.0#



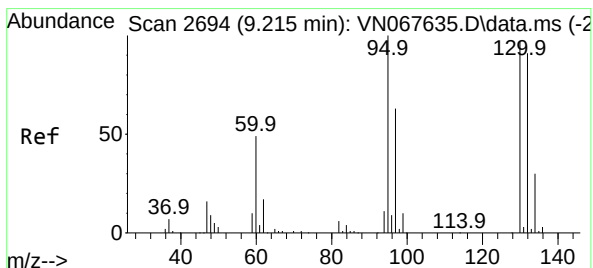
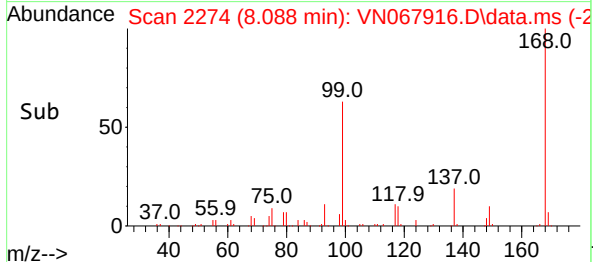
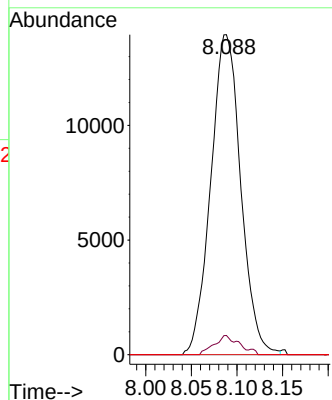


#38
Carbon Tetrachloride
Concen: 6.258 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Instrument :
MSVOA_N
ClientSampled :

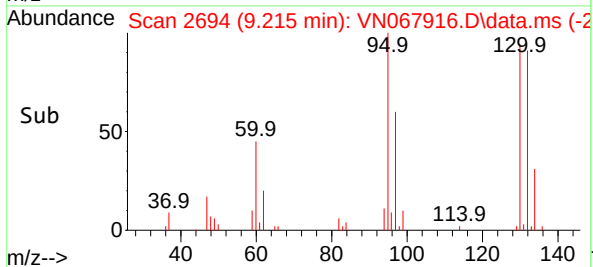
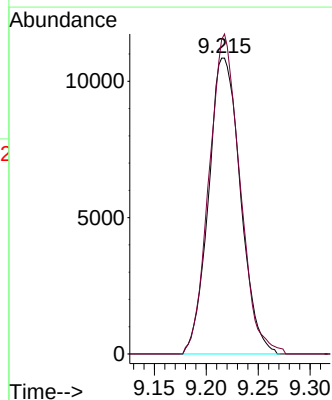
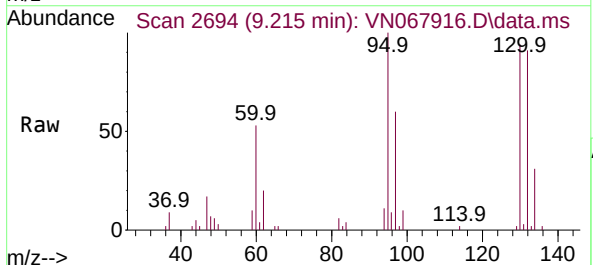


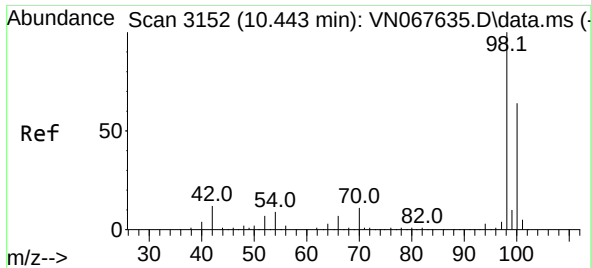
Tgt Ion:117 Resp: 31936
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 23.5 35.3#



#44
Trichloroethene
Concen: 5.900 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.000 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Tgt Ion:130 Resp: 23187
Ion Ratio Lower Upper
130 100
95 106.2 0.0 234.4

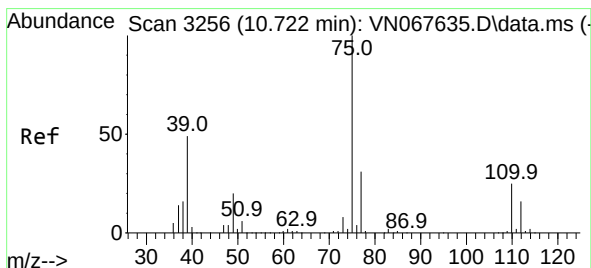
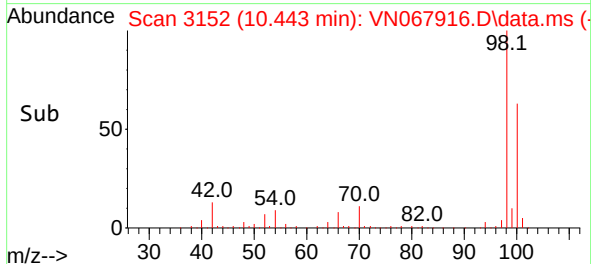
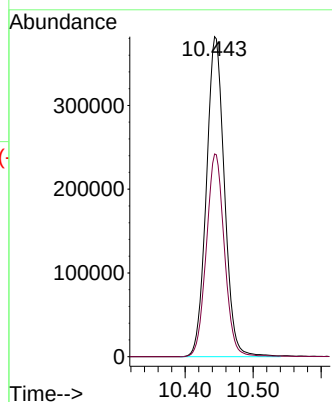
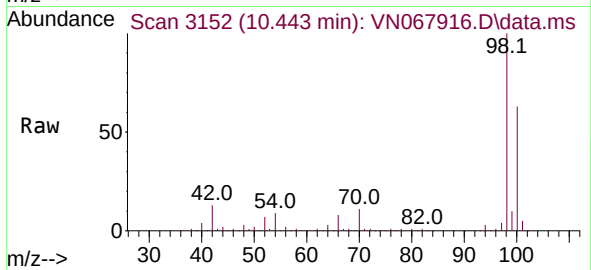




#50
Toluene-d8
Concen: 50.007 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

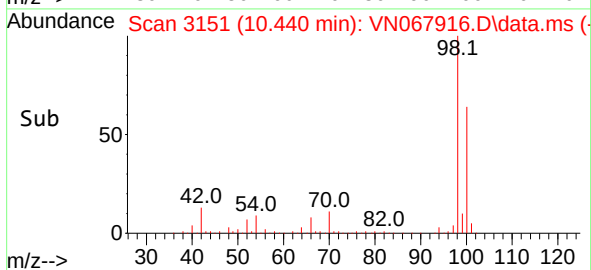
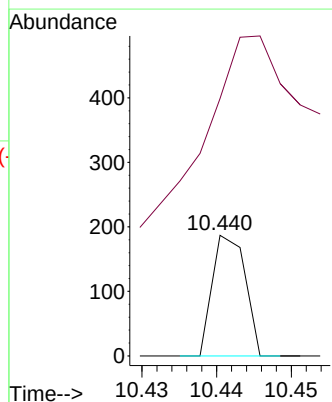
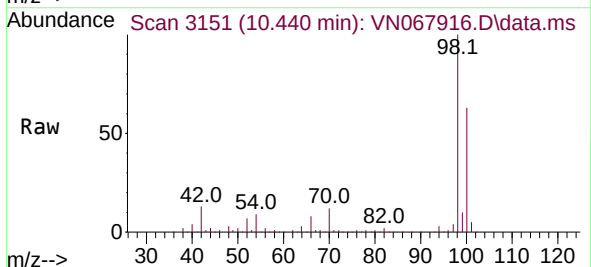
Instrument :
MSVOA_N
ClientSampleId :

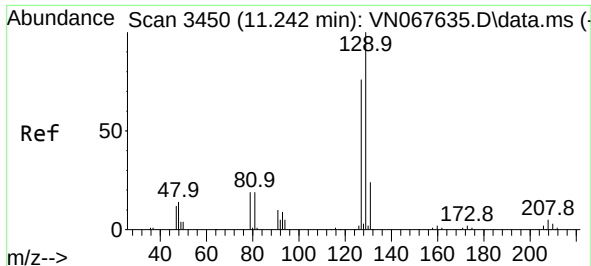
Tgt Ion: 98 Resp: 704366
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.753 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.282 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Tgt Ion: 75 Resp: 57
Ion Ratio Lower Upper
75 100
77 68.4 25.1 37.7#

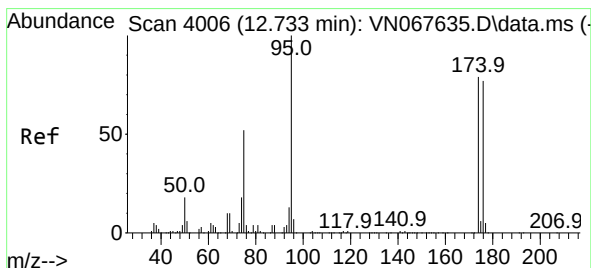
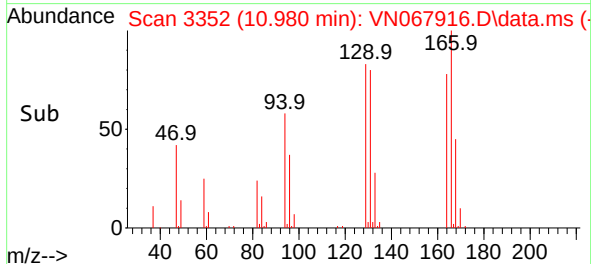
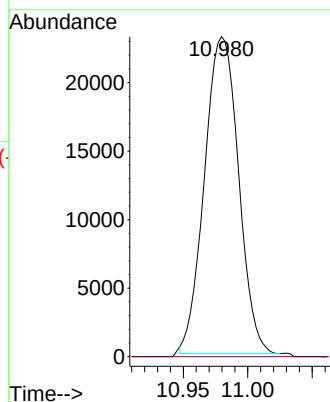
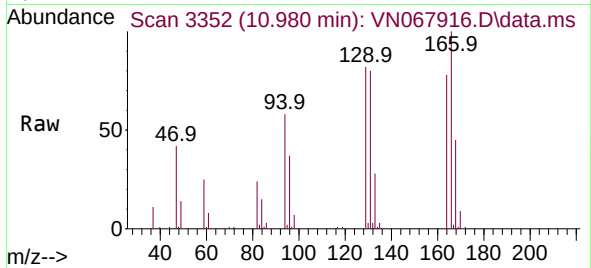




#60
Dibromochloromethane
Concen: 10.845 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.262 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

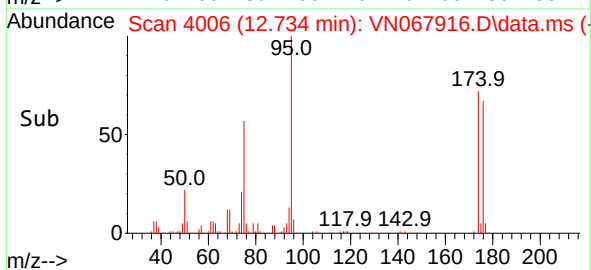
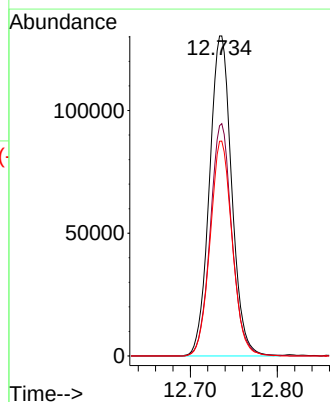
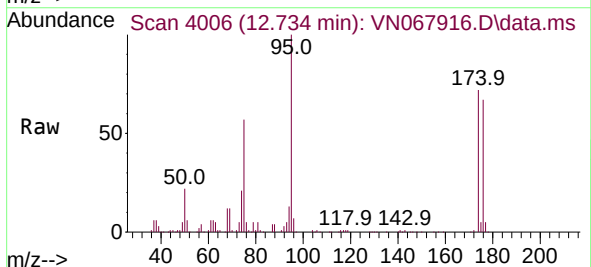
Instrument :
MSVOA_N
ClientSampled :

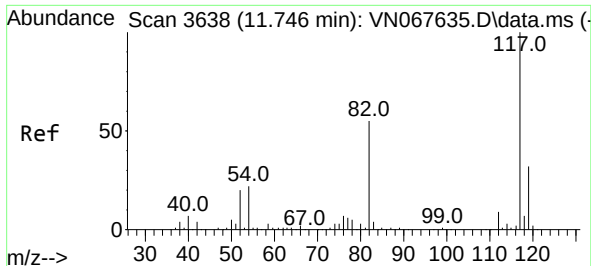
Tgt Ion:129 Resp: 42505
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 46.595 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Tgt Ion: 95 Resp: 231847
Ion Ratio Lower Upper
95 100
174 70.9 0.0 122.0
176 66.6 0.0 117.6

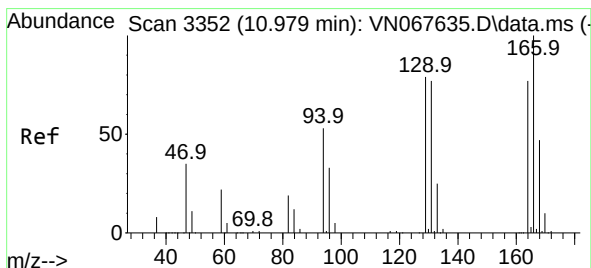
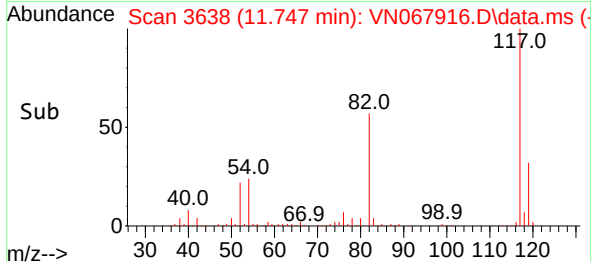
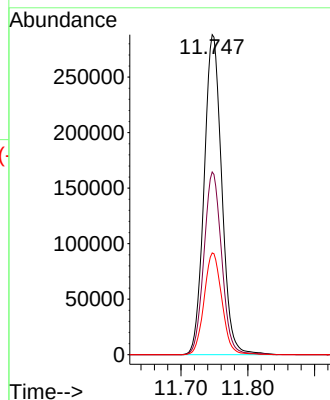
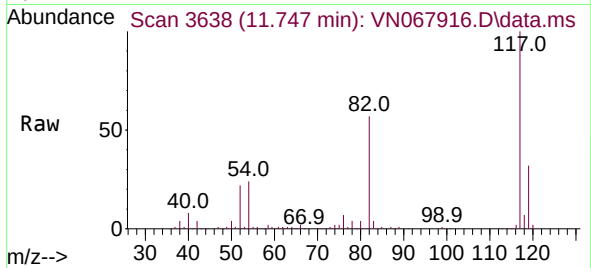




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

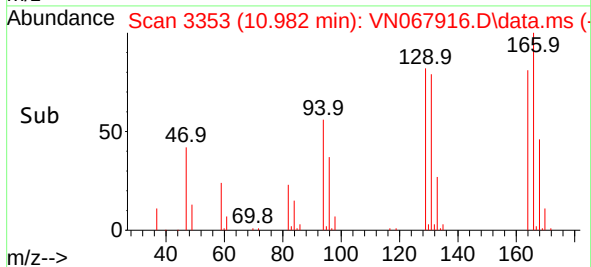
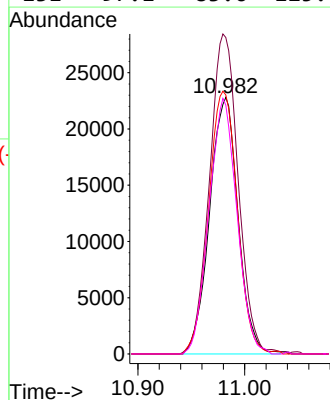
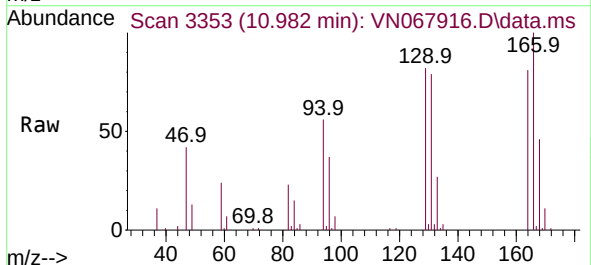
Instrument :
MSVOA_N
ClientSampleId :

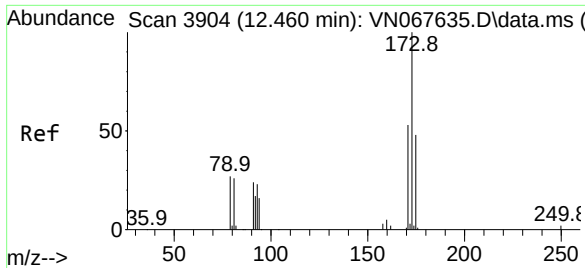
Tgt Ion:117 Resp: 529347
Ion Ratio Lower Upper
117 100
82 57.1 53.1 79.7
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 11.302 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. 0.003 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Tgt Ion:164 Resp: 42232
Ion Ratio Lower Upper
164 100
166 123.4 102.1 153.1
129 101.0 86.9 130.3
131 97.1 83.6 125.4

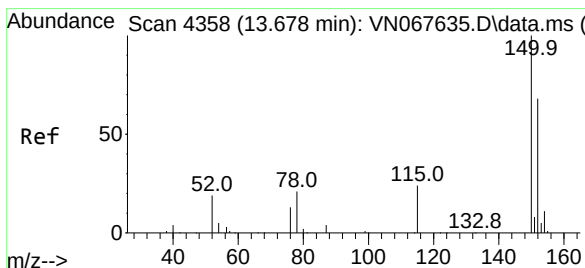
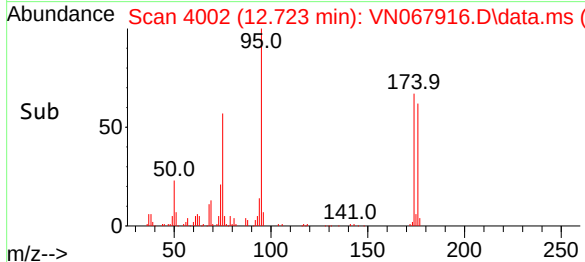
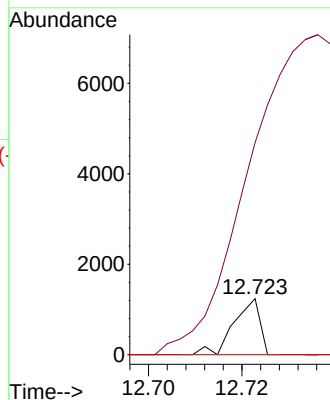
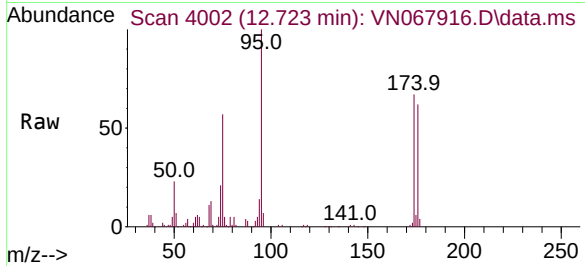




#71
Bromoform
Concen: 3.308 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

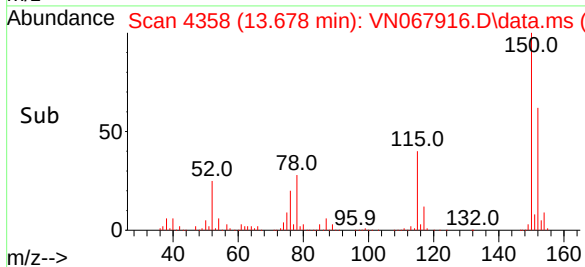
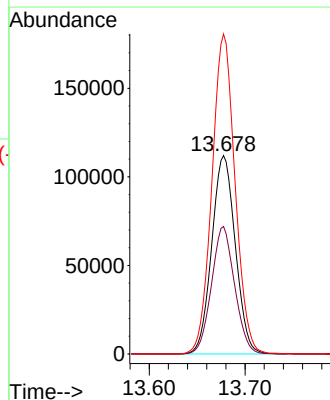
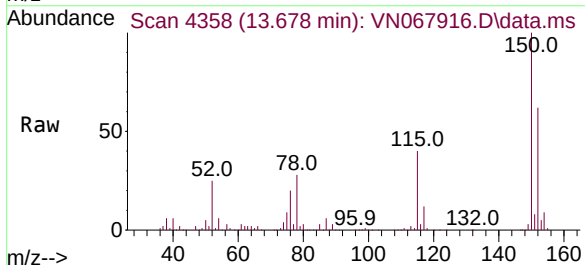
Instrument :
MSVOA_N
ClientSampleId :

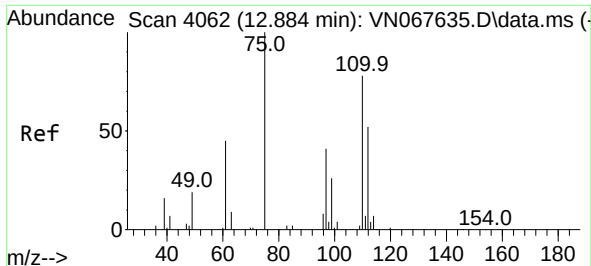
Tgt Ion:173 Resp: 479
Ion Ratio Lower Upper
173 100
175 2439.2 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Tgt Ion:152 Resp: 191274
Ion Ratio Lower Upper
152 100
115 63.1 36.1 108.5
150 158.2 0.0 351.8

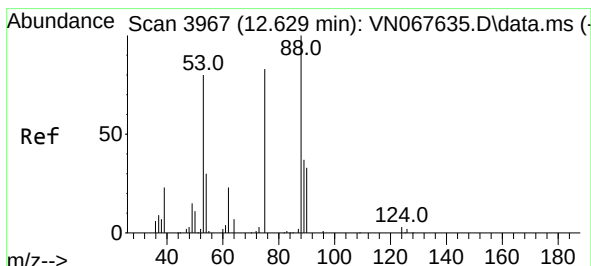
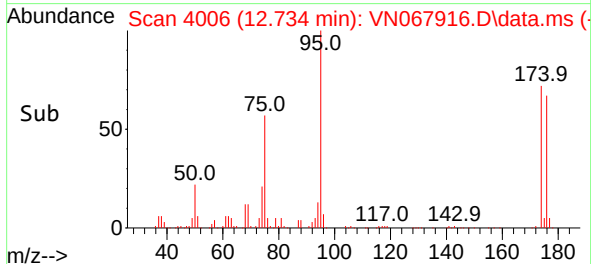
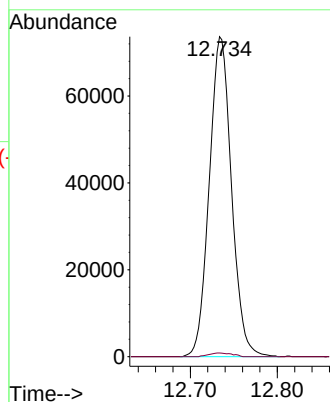
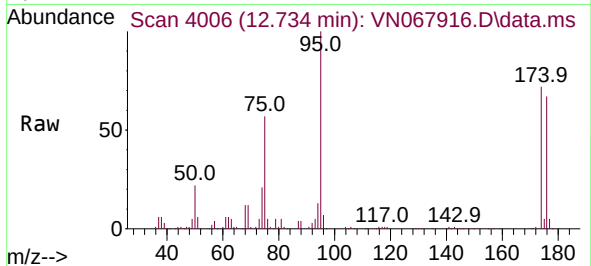




#76
1,2,3-Trichloropropane
Concen: 33.495 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

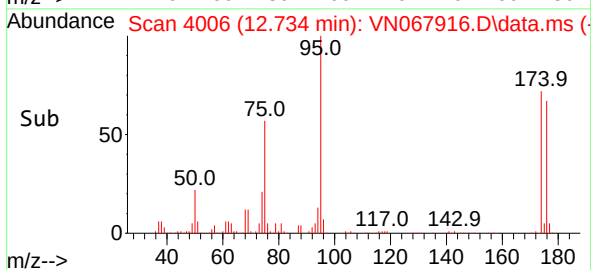
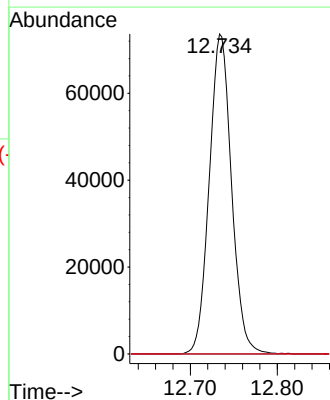
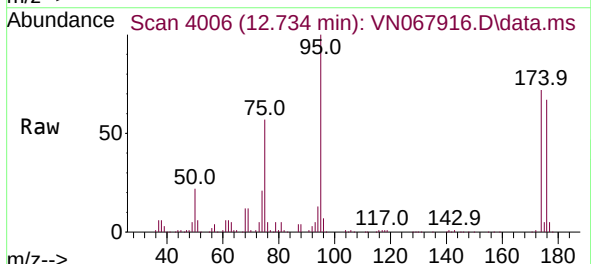
Instrument :
MSVOA_N
ClientSampled :

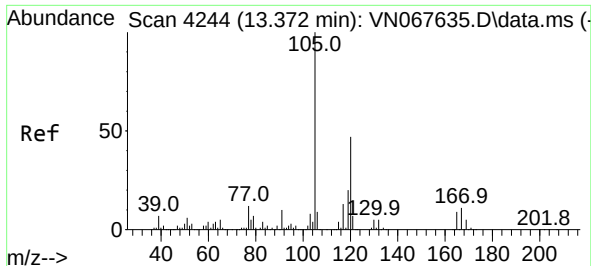
Tgt Ion: 75 Resp: 130836
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.991 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Tgt Ion: 75 Resp: 130836
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

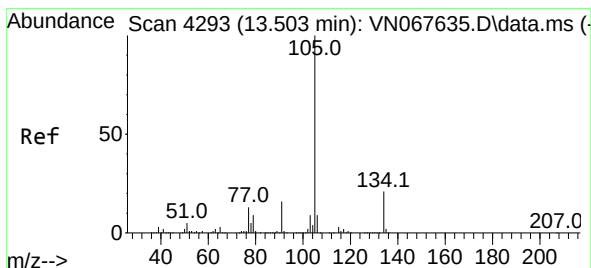
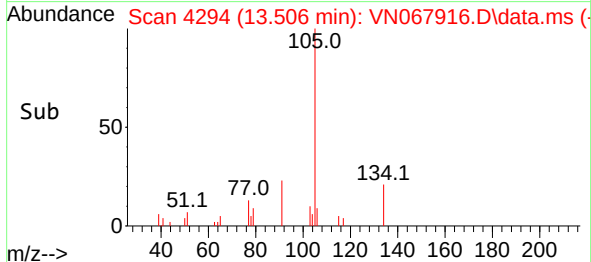
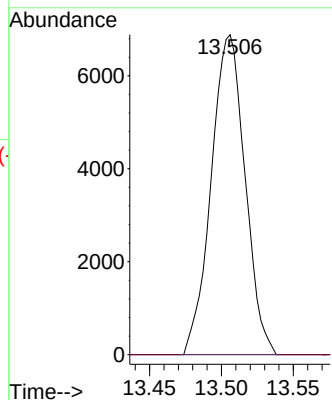
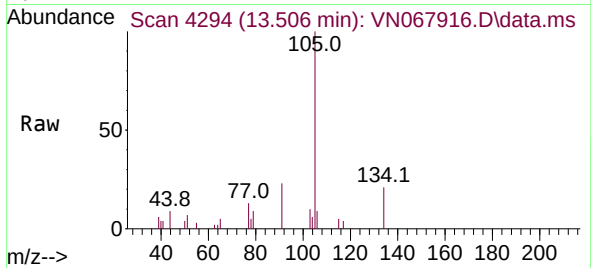




#84
1,2,4-Trimethylbenzene
Concen: 0.919 ug/l
RT: 13.506 min Scan# 4294
Delta R.T. 0.134 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

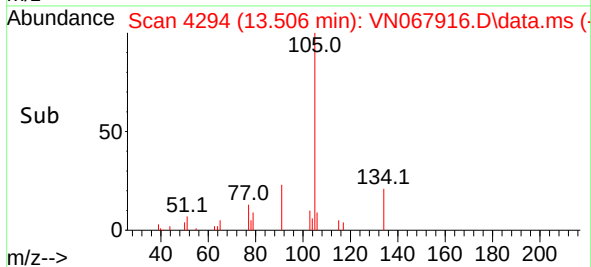
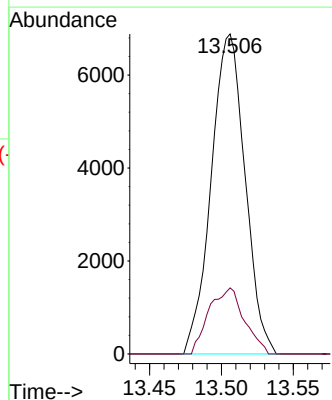
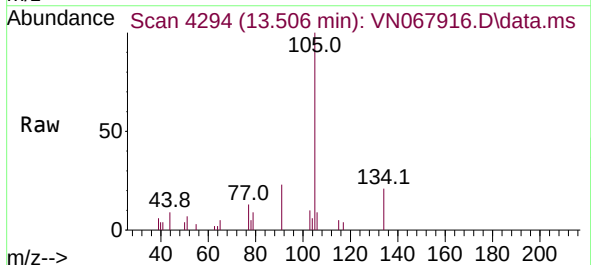
Instrument :
MSVOA_N
ClientSampleId :

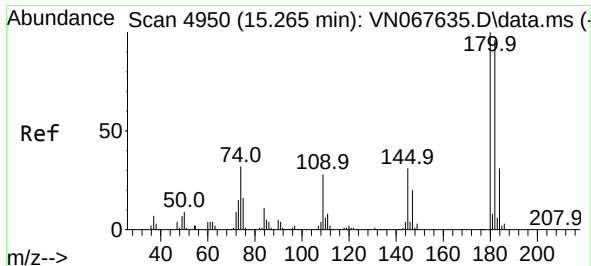
Tgt Ion:105 Resp: 11264
Ion Ratio Lower Upper
105 100
120 0.0 20.6 61.8#



#85
sec-Butylbenzene
Concen: 0.763 ug/l
RT: 13.506 min Scan# 4294
Delta R.T. 0.003 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Tgt Ion:105 Resp: 11264
Ion Ratio Lower Upper
105 100
134 21.5 9.0 27.1

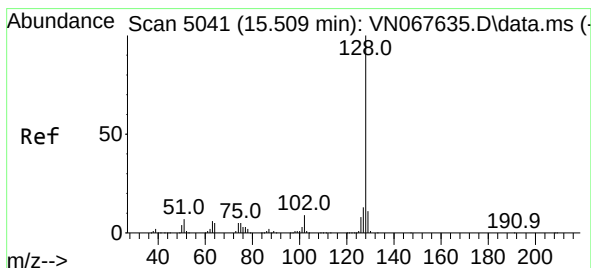
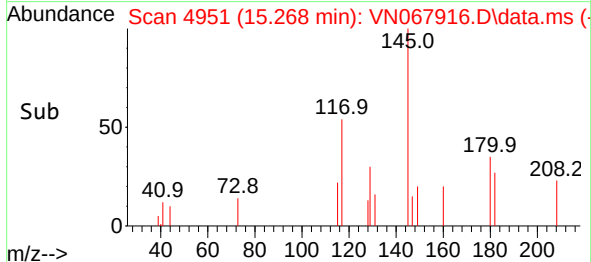
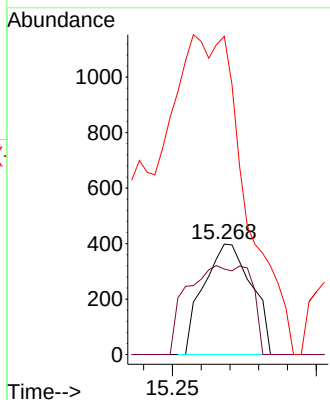
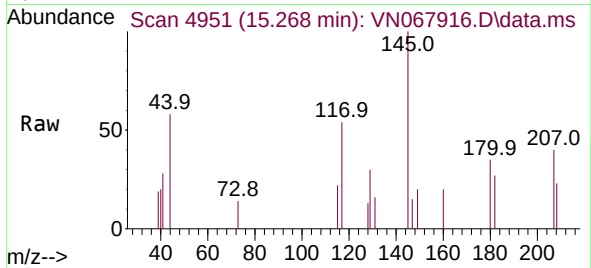




#93
1,2,4-Trichlorobenzene
Concen: 2.812 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:180 Resp: 463
Ion Ratio Lower Upper
180 100
182 106.7 47.5 142.5
145 426.6 17.2 51.6#



#95
Naphthalene
Concen: 3.081 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067916.D
Acq: 26 Jul 2021 18:54

Tgt Ion:128 Resp: 682
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

