

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062121\
 Data File : VN067415.D
 Acq On : 21 Jun 2021 14:36
 Operator : JC/MD
 Sample : M2782-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-WATER-SAMPLE

Quant Time: Jun 22 03:11:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

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

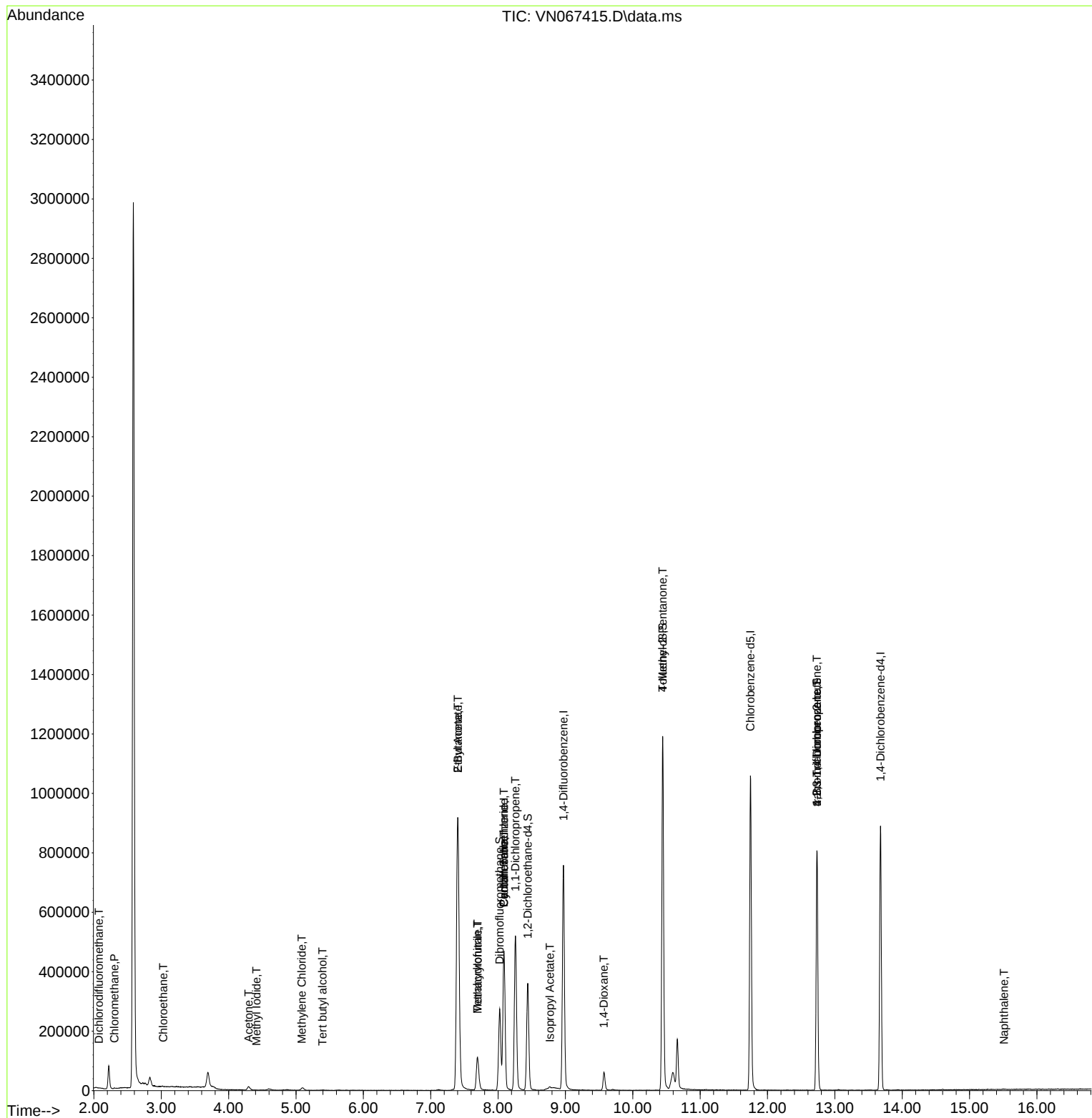
Internal Standards						
1) Pentafluorobenzene	8.088	168	295772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	606306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	554864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	201819	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	299020	51.25	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.50%			
35) Dibromofluoromethane	8.024	113	192646	47.77	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.54%			
50) Toluene-d8	10.443	98	800497	51.79	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.58%			
62) 4-Bromofluorobenzene	12.734	95	293999	46.09	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.18%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.075	85	180	1.36	ug/l #	43
3) Chloromethane	2.303	50	1509	0.34	ug/l #	88
6) Chloroethane	3.030	64	1352	0.50	ug/l	98
10) Methyl Iodide	4.414	142	51	6.76	ug/l #	33
11) Tert butyl alcohol	5.393	59	1326	1.38	ug/l #	76
16) Acetone	4.296	43	19497	8.71	ug/l #	83
20) Methylene Chloride	5.085	84	2297	0.49	ug/l	93
25) 2-Butanone	7.402	43	238275	74.47	ug/l #	51
29) Tetrahydrofuran	7.691	42	88884	44.06	ug/l	98
31) Cyclohexane	8.086	56	11206	1.41	ug/l #	36
36) 1,1-Dichloropropene	8.257	75	2396	0.35	ug/l #	44
37) Ethyl Acetate	7.402	43	238275	33.09	ug/l #	69
38) Carbon Tetrachloride	8.088	117	38242	5.23	ug/l #	16
41) Methacrylonitrile	7.697	41	53014	14.16	ug/l #	46
43) Isopropyl Acetate	8.770	43	3379	0.26	ug/l #	58
49) 1,4-Dioxane	9.572	88	45638	565.78	ug/l	94
51) 4-Methyl-2-Pentanone	10.443	43	6002	0.81	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	172325	32.88	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	172325	81.49	ug/l #	6
95) Naphthalene	15.509	128	1854	2.75	ug/l #	69

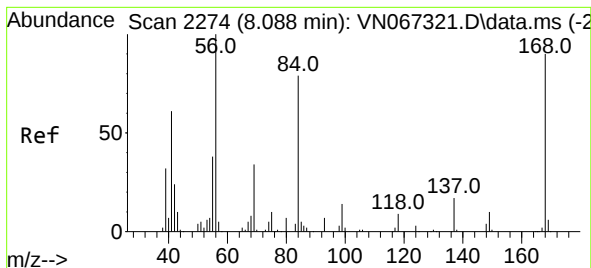
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN067415.D

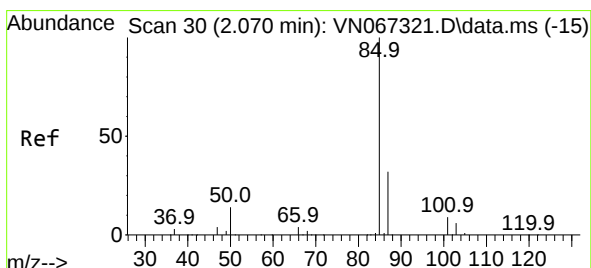
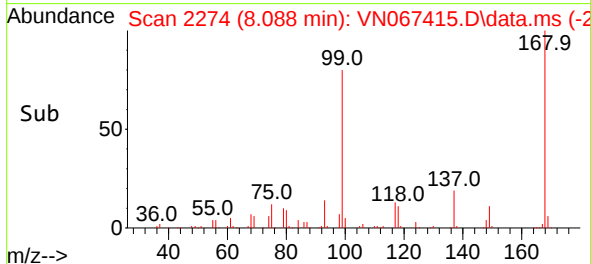
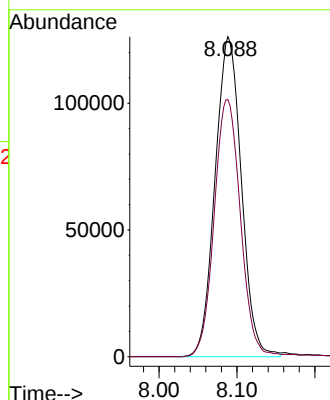
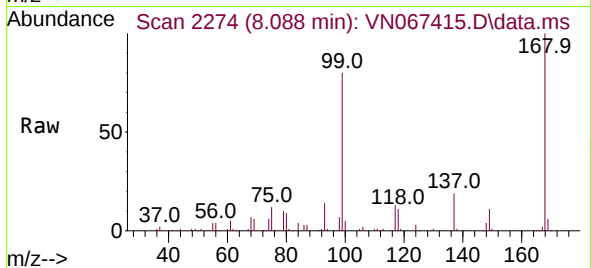
Acq: 21 Jun 2021 14:36

Tgt Ion:168 Resp: 295772

Ion Ratio Lower Upper

168 100

99 80.4 62.9 94.3



#2

Dichlorodifluoromethane

Concen: 1.36 ug/l

RT: 2.075 min Scan# 32

Delta R.T. 0.005 min

Lab File: VN067415.D

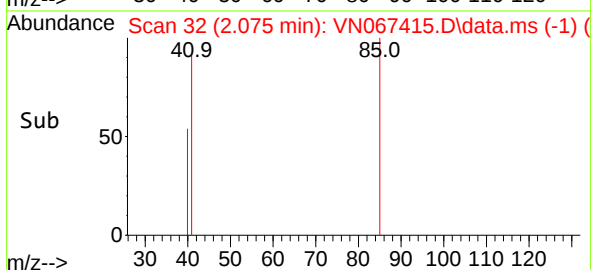
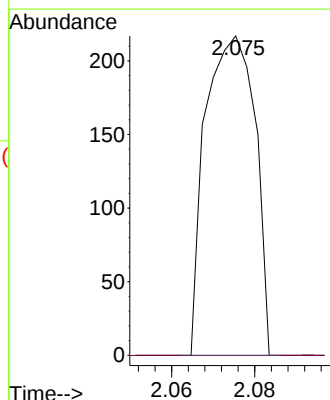
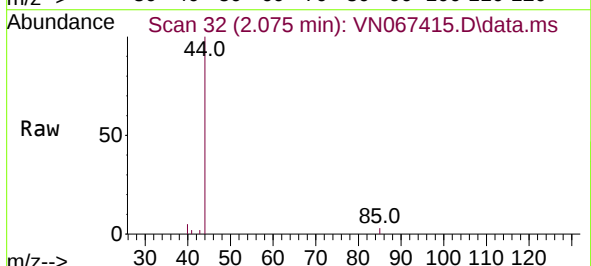
Acq: 21 Jun 2021 14:36

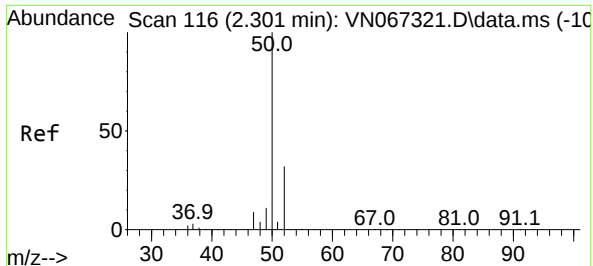
Tgt Ion: 85 Resp: 180

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.2#

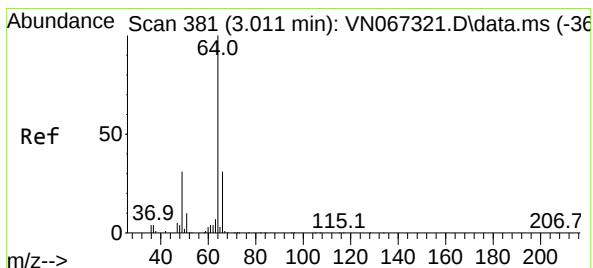
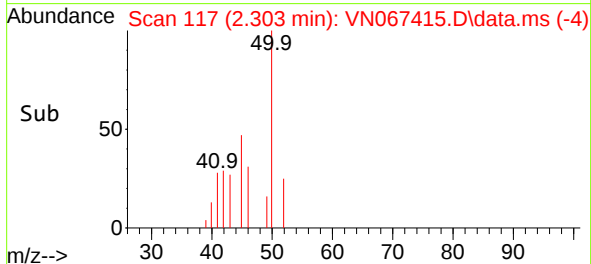
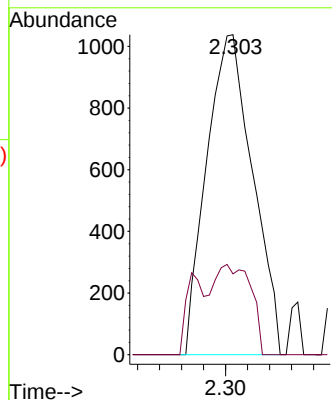
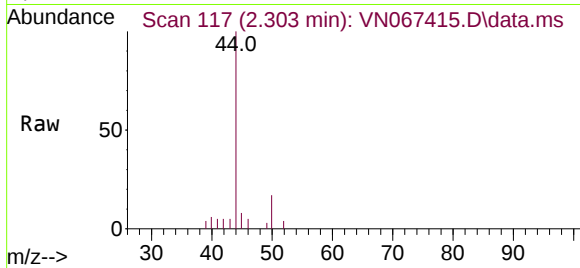




#3
Chloromethane
Concen: 0.34 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

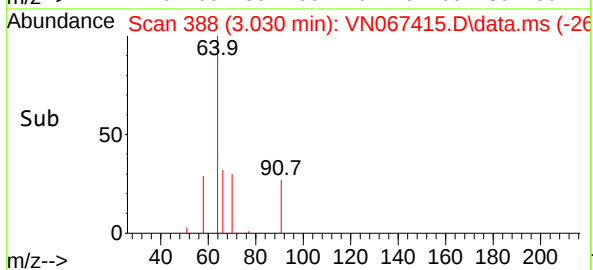
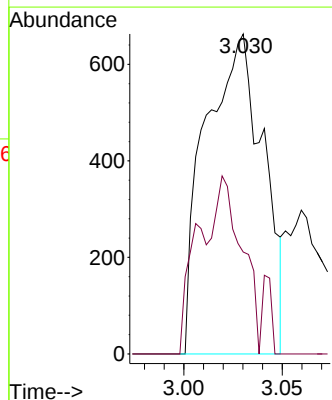
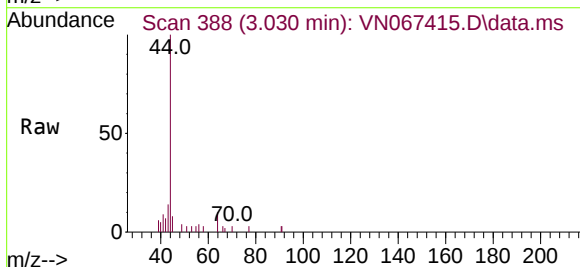
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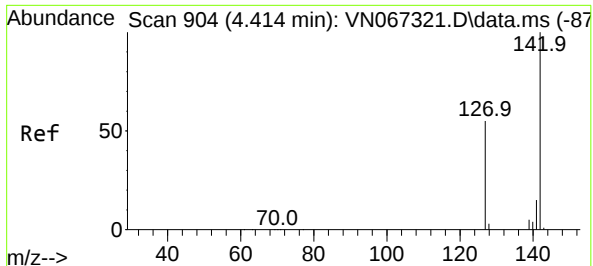
Tgt Ion: 50 Resp: 1509
Ion Ratio Lower Upper
50 100
52 25.2 25.6 38.4#



#6
Chloroethane
Concen: 0.50 ug/l
RT: 3.030 min Scan# 388
Delta R.T. 0.019 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

Tgt Ion: 64 Resp: 1352
Ion Ratio Lower Upper
64 100
66 31.8 24.7 37.1

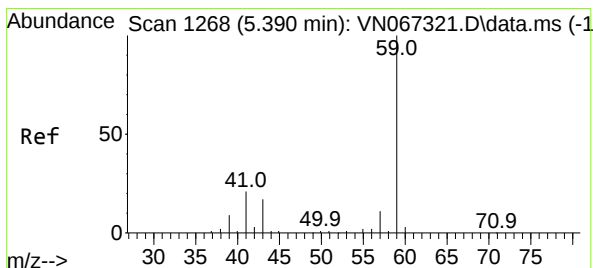
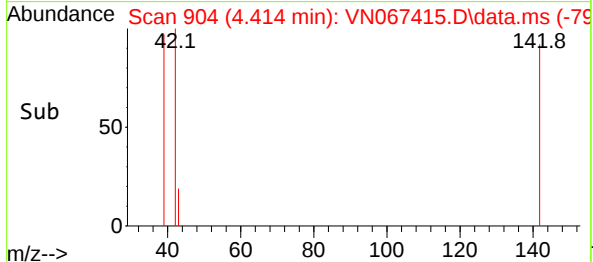
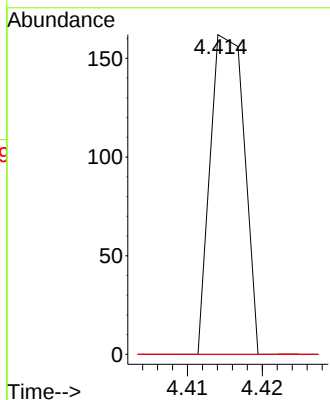
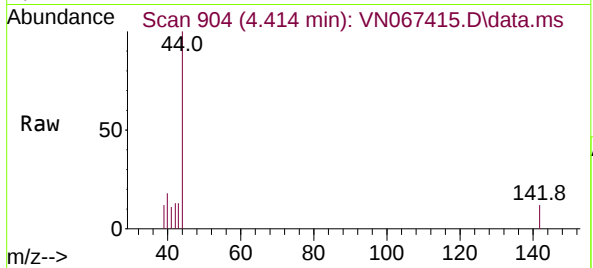




#10
Methyl Iodide
Concen: 6.76 ug/l
RT: 4.414 min Scan# 904
Delta R.T. 0.000 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

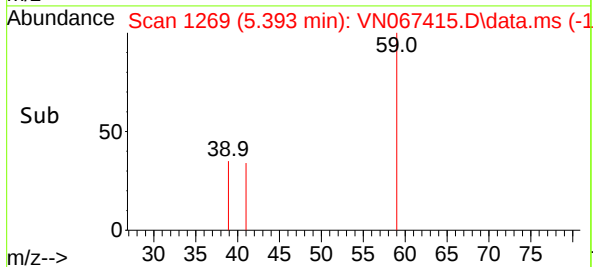
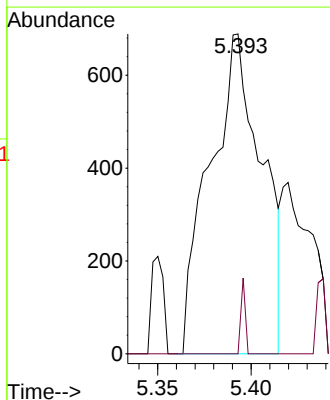
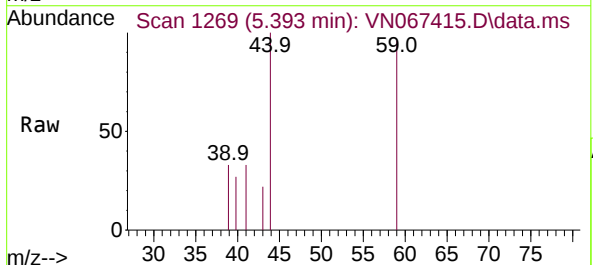
Instrument :
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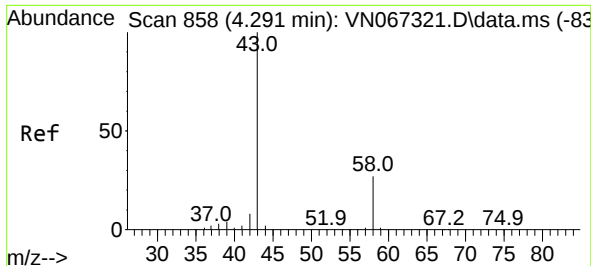
Tgt Ion:142 Resp: 51
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.38 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

Tgt Ion: 59 Resp: 1326
Ion Ratio Lower Upper
59 100
57 2.0 8.7 13.1#

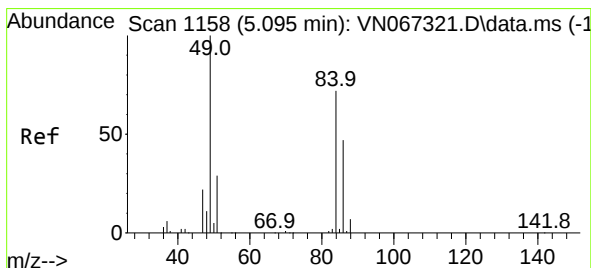
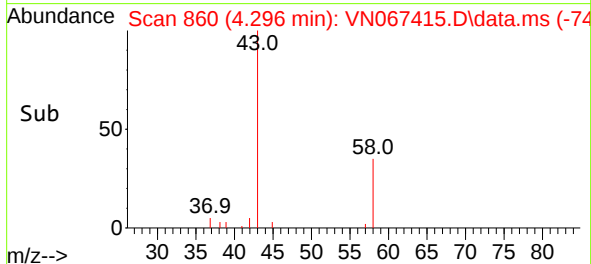
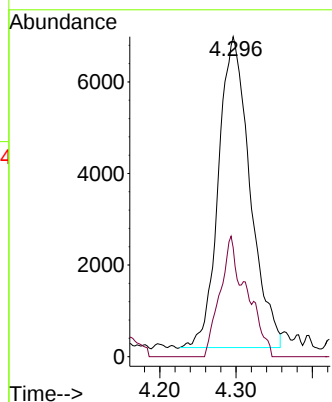
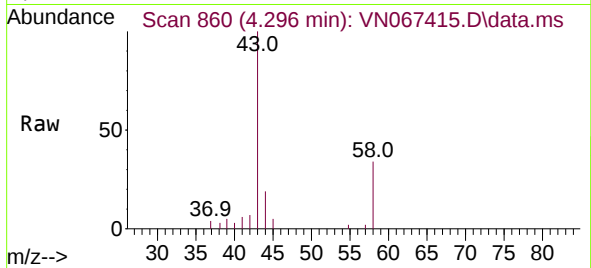




#16
Acetone
Concen: 8.71 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

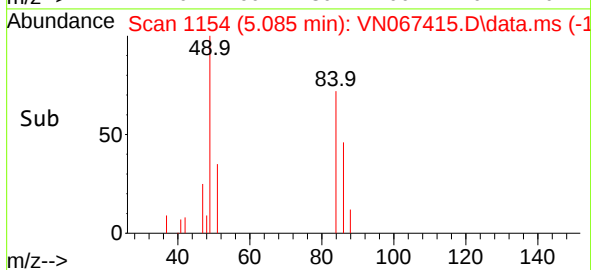
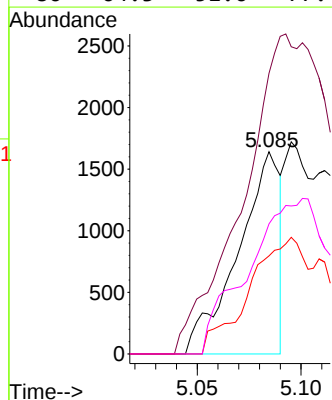
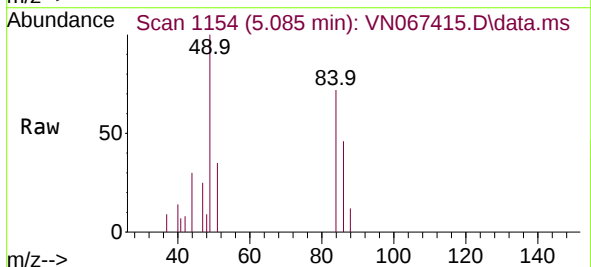
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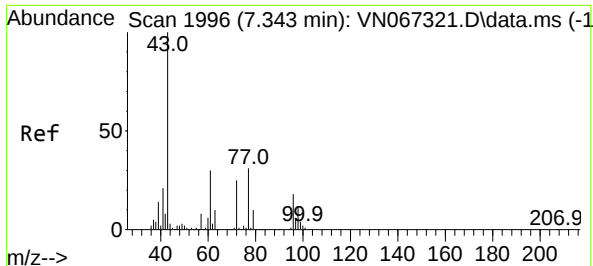
Tgt Ion: 43 Resp: 19497
Ion Ratio Lower Upper
43 100
58 35.1 21.2 31.8#



#20
Methylene Chloride
Concen: 0.49 ug/l
RT: 5.085 min Scan# 1154
Delta R.T. -0.010 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

Tgt Ion: 84 Resp: 2297
Ion Ratio Lower Upper
84 100
49 128.9 110.9 166.3
51 48.5 32.6 49.0
86 64.3 51.6 77.4

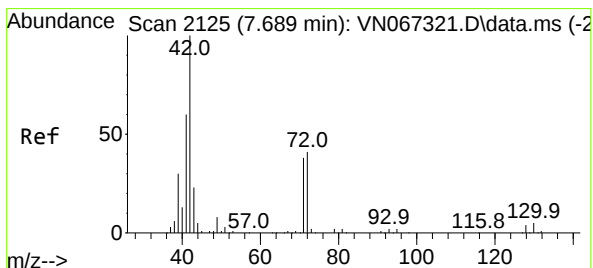
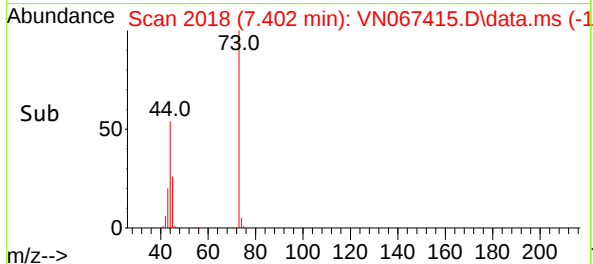
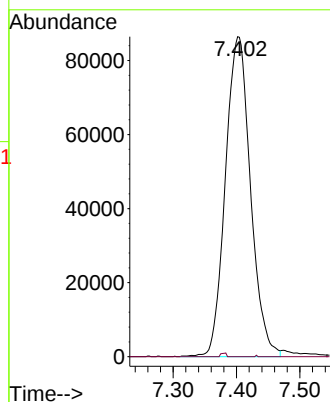
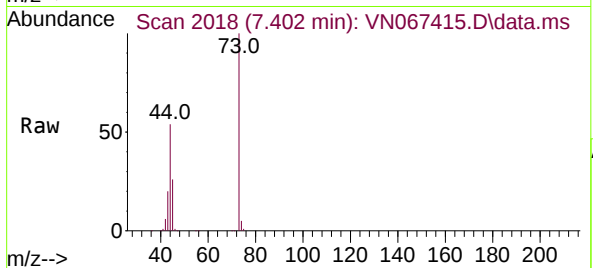




#25
2-Butanone
Concen: 74.47 ug/l
RT: 7.402 min Scan# 2018
Delta R.T. 0.059 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

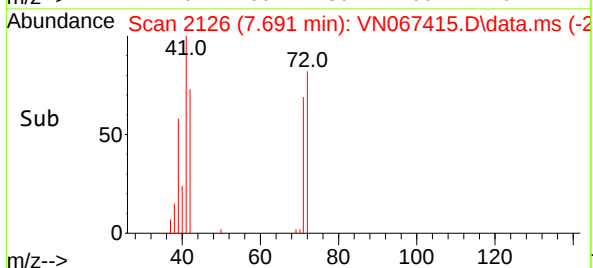
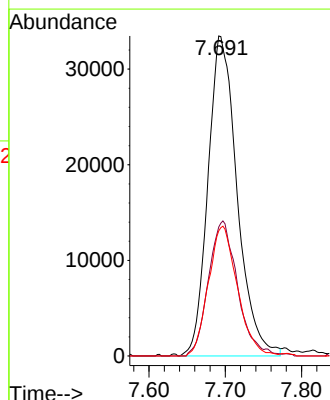
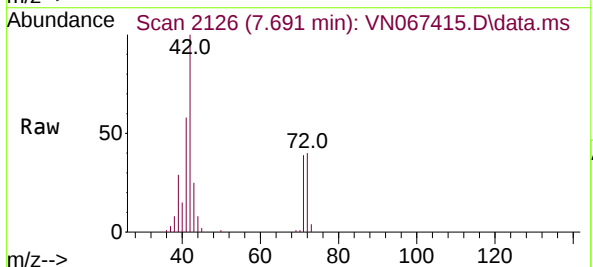
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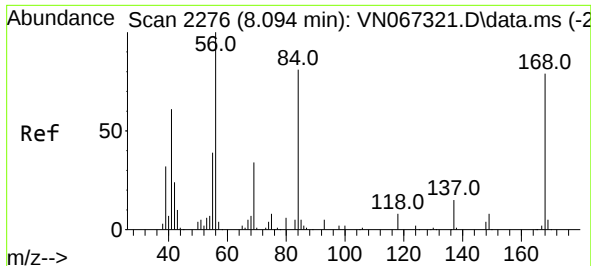
Tgt Ion: 43 Resp: 238275
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#29
Tetrahydrofuran
Concen: 44.06 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.002 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

Tgt Ion: 42 Resp: 88884
Ion Ratio Lower Upper
42 100
72 42.1 32.8 49.2
71 40.3 31.2 46.8

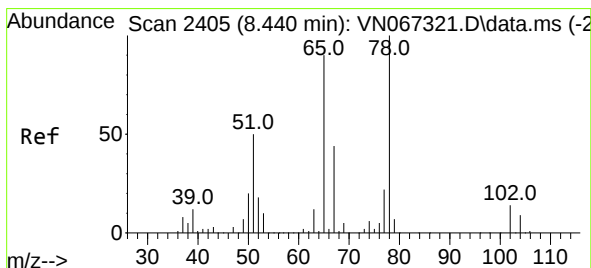
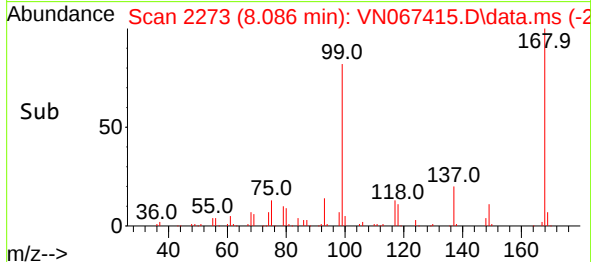
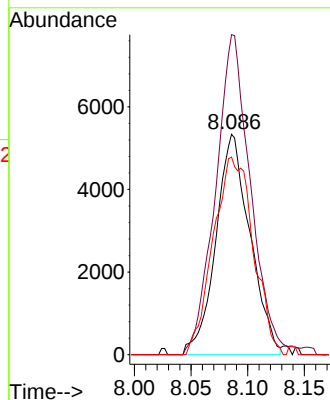
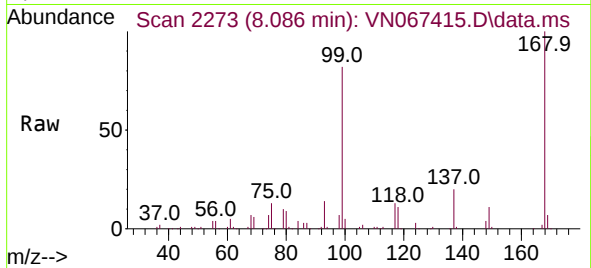




#31
Cyclohexane
Concen: 1.41 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

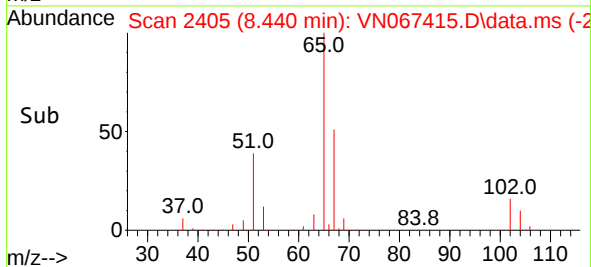
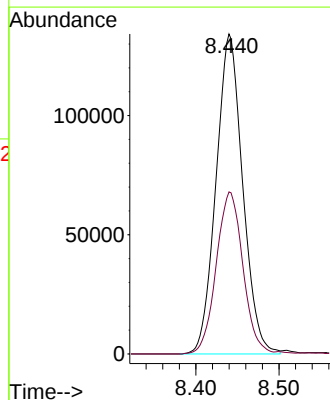
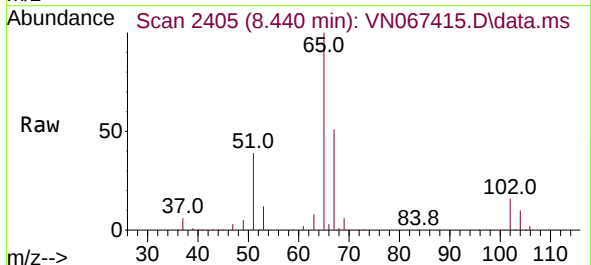
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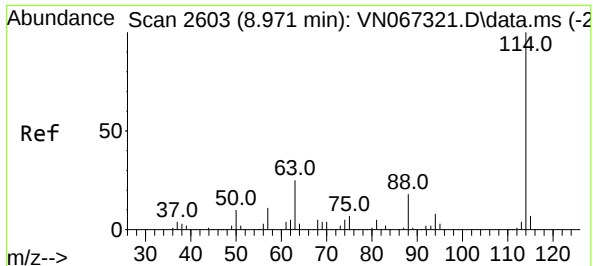
Tgt Ion: 56 Resp: 11206
Ion Ratio Lower Upper
56 100
69 145.2 27.3 40.9#
84 89.7 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 51.25 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

Tgt Ion: 65 Resp: 299020
Ion Ratio Lower Upper
65 100
67 50.7 0.0 98.6

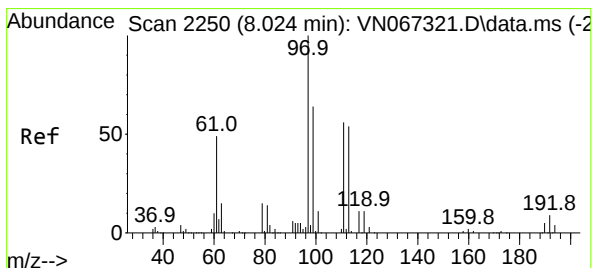
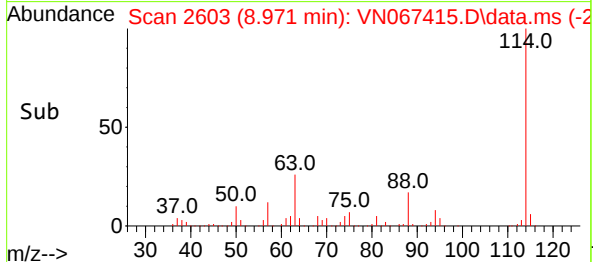
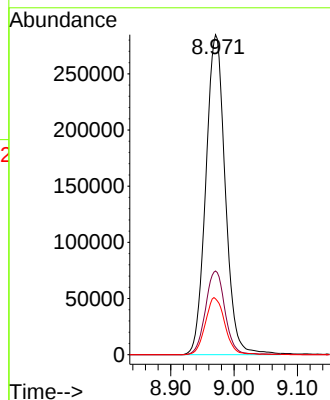
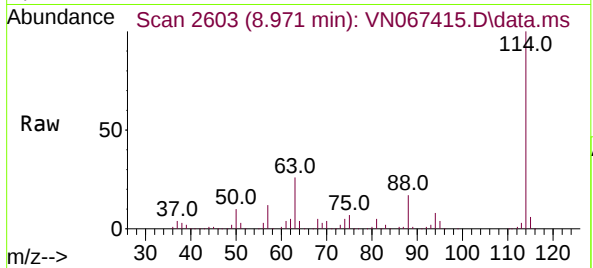




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

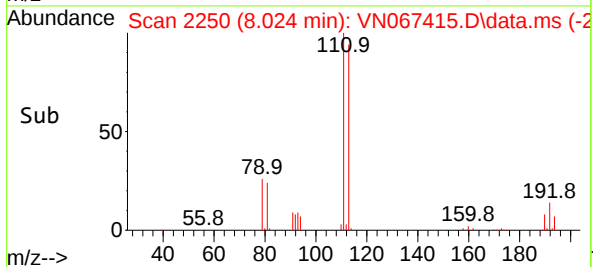
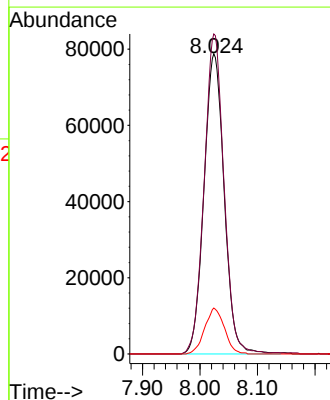
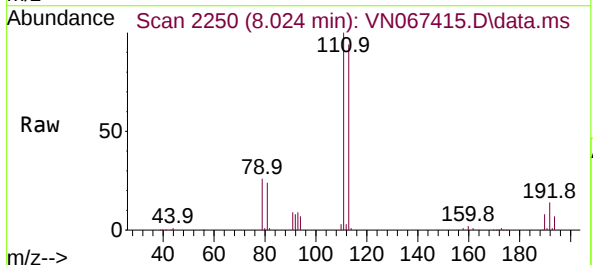
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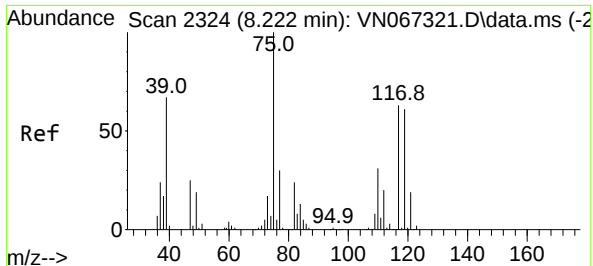
Tgt Ion:114 Resp: 606306
Ion Ratio Lower Upper
114 100
63 26.1 0.0 49.0
88 17.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.77 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

Tgt Ion:113 Resp: 192646
Ion Ratio Lower Upper
113 100
111 104.1 83.8 125.8
192 14.9 13.4 20.0

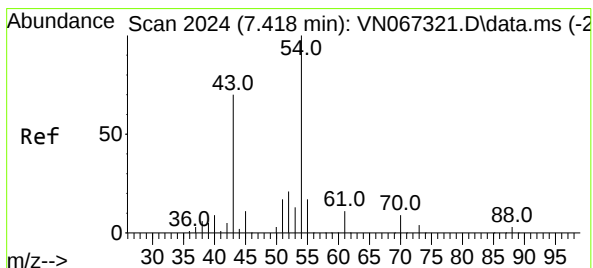
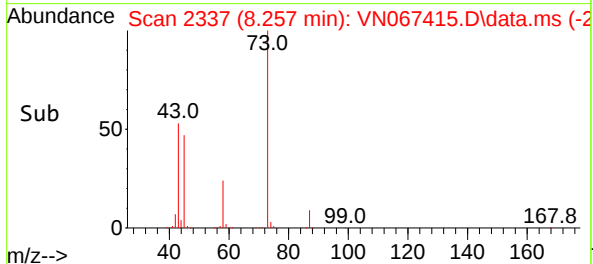
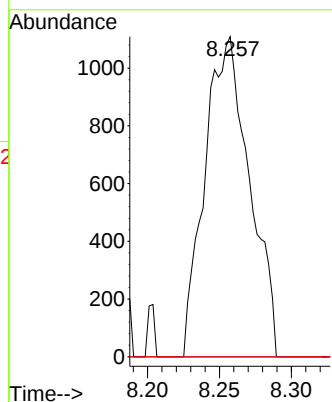
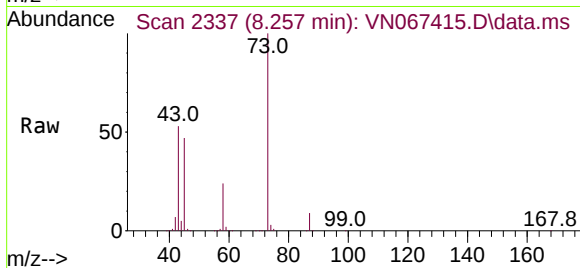




#36
1,1-Dichloropropene
Concen: 0.35 ug/l
RT: 8.257 min Scan# 2337
Delta R.T. 0.035 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

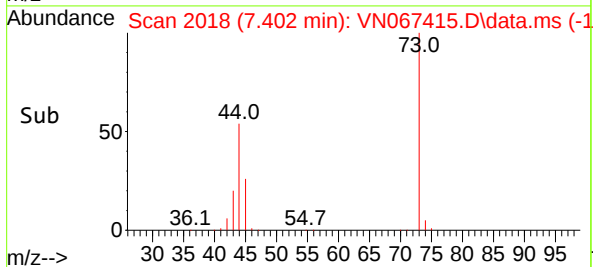
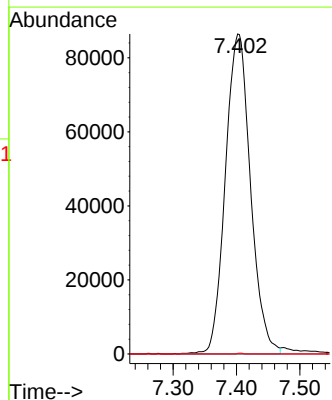
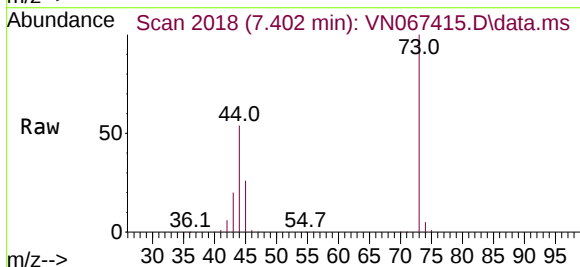
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

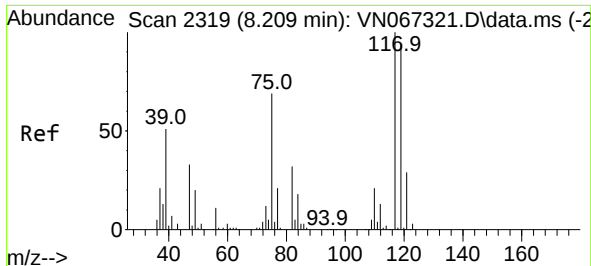
Tgt Ion: 75 Resp: 2396
Ion Ratio Lower Upper
75 100
110 0.0 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 33.09 ug/l
RT: 7.402 min Scan# 2018
Delta R.T. -0.016 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

Tgt Ion: 43 Resp: 238275
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.1 8.1 12.1#

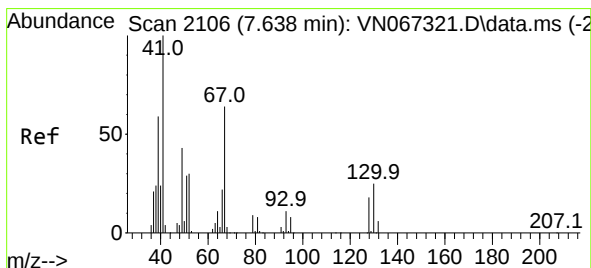
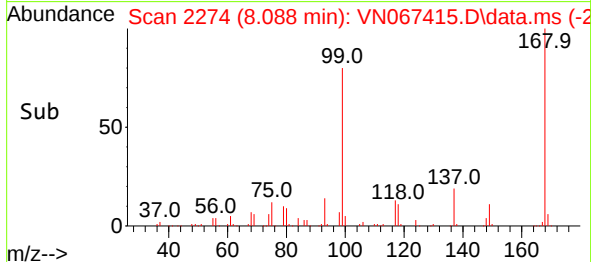
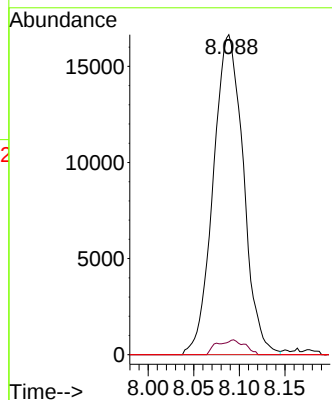
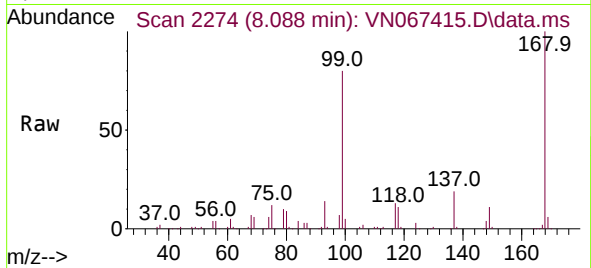




#38
Carbon Tetrachloride
Concen: 5.23 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

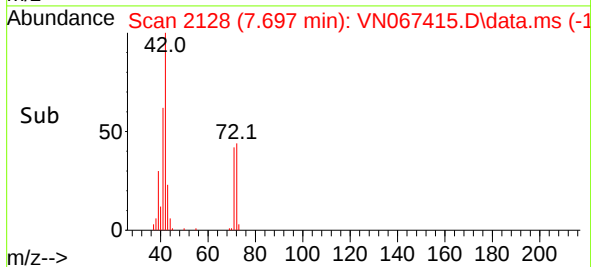
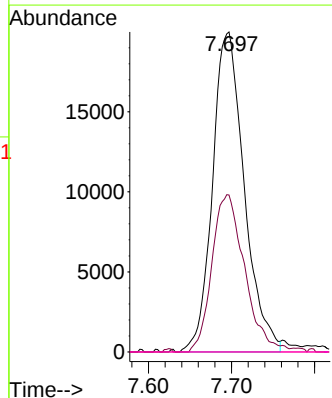
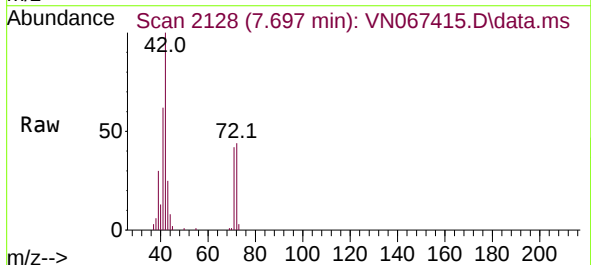
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

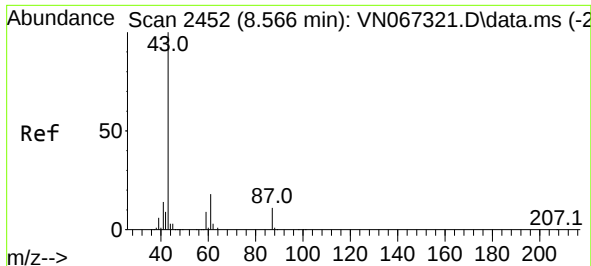
Tgt Ion:117 Resp: 38242
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 14.16 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

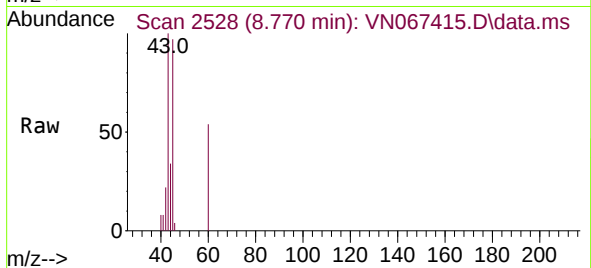
Tgt Ion: 41 Resp: 53014
Ion Ratio Lower Upper
41 100
39 50.7 47.6 71.4
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#



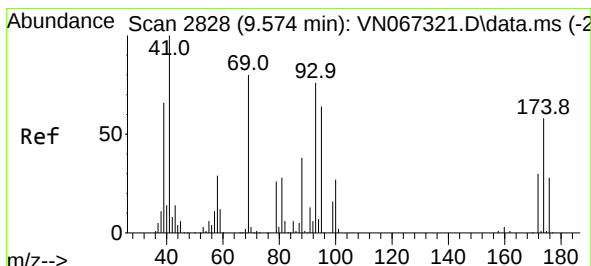
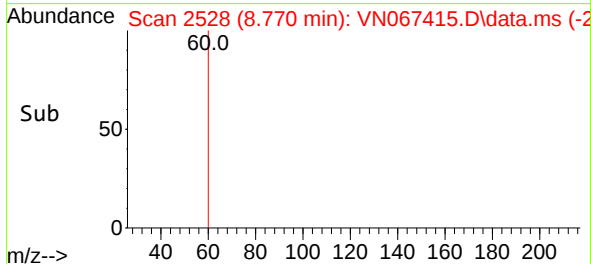
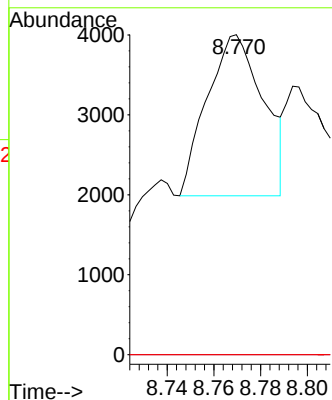


#43
Isopropyl Acetate
Concen: 0.26 ug/l
RT: 8.770 min Scan# 2528
Delta R.T. 0.204 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

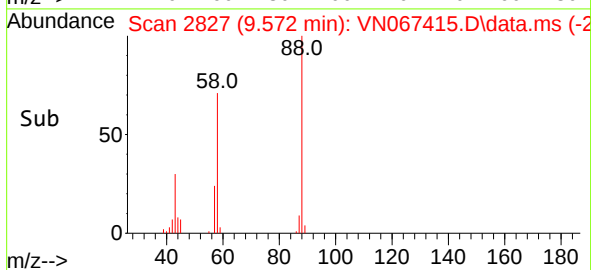
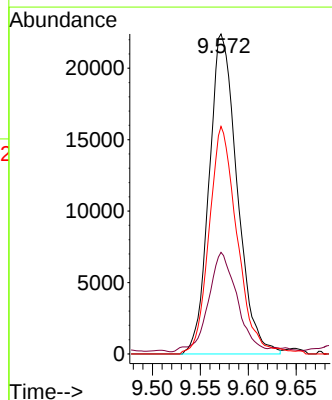
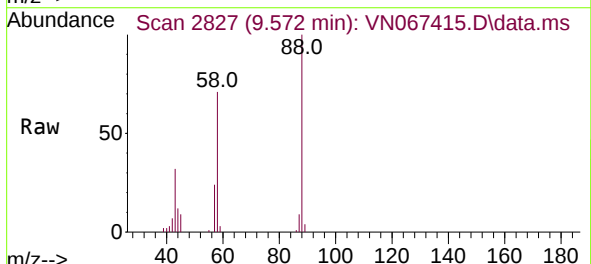


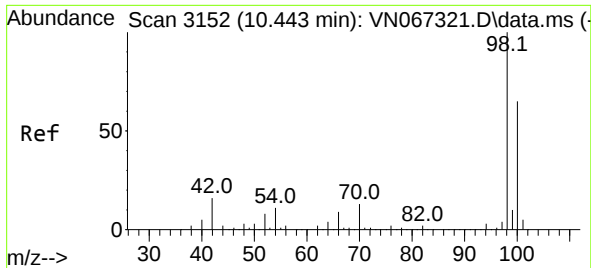
Tgt Ion: 43 Resp: 3379
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#49
1,4-Dioxane
Concen: 565.78 ug/l
RT: 9.572 min Scan# 2827
Delta R.T. -0.002 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

Tgt Ion: 88 Resp: 45638
Ion Ratio Lower Upper
88 100
43 31.5 28.8 43.2
58 71.0 60.4 90.6

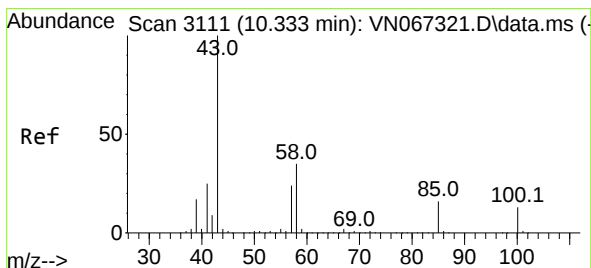
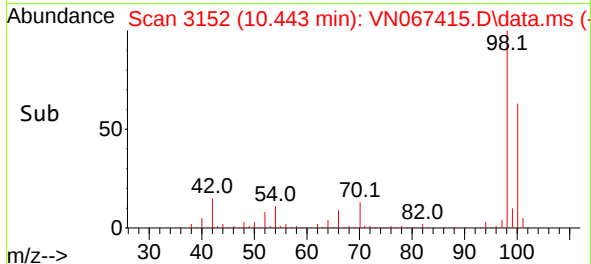
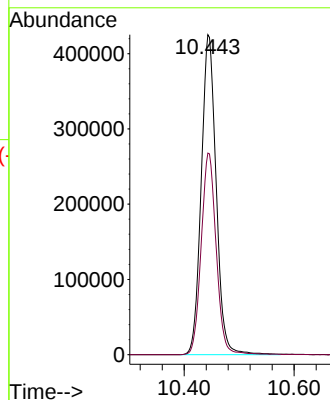
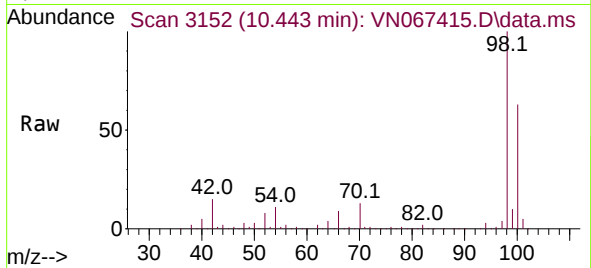




#50
Toluene-d8
Concen: 51.79 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

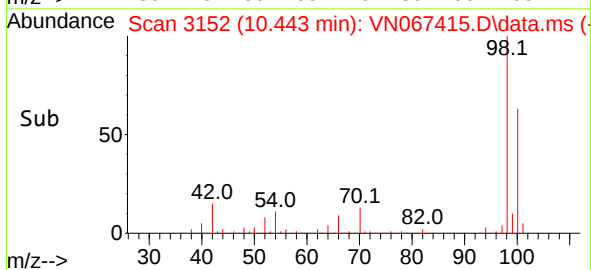
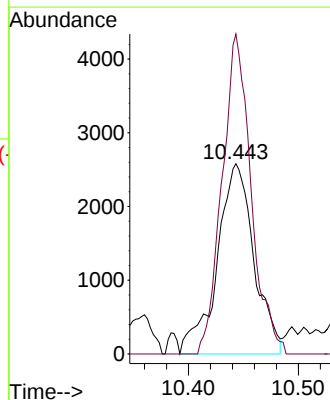
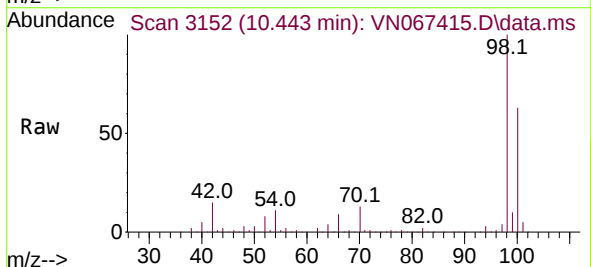
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

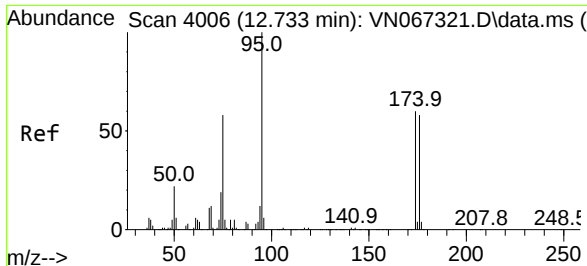
Tgt Ion: 98 Resp: 800497
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.81 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.110 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

Tgt Ion: 43 Resp: 6002
Ion Ratio Lower Upper
43 100
58 132.3 28.6 43.0#

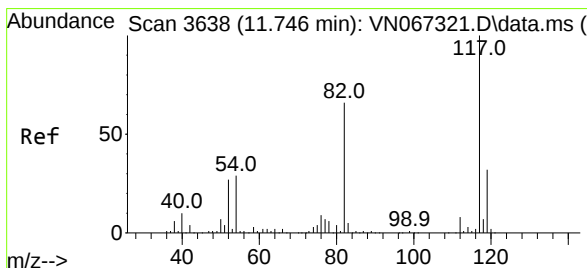
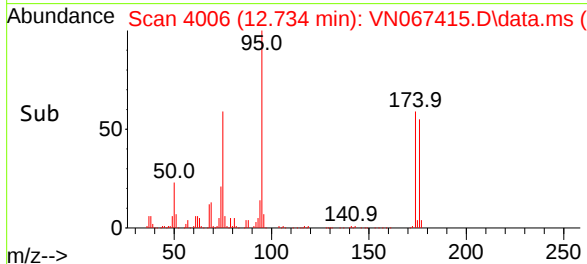
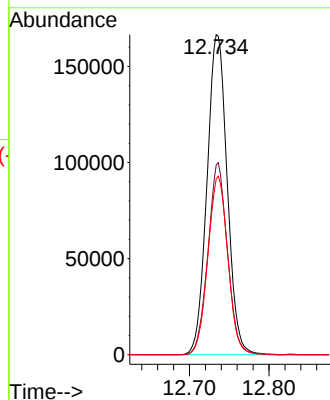
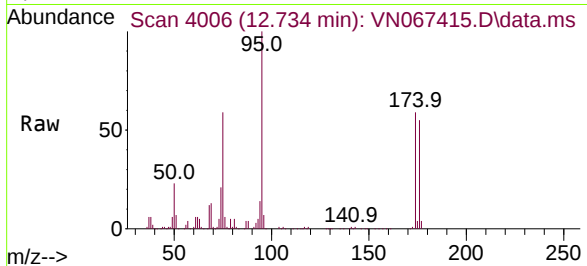




#62
4-Bromofluorobenzene
Concen: 46.09 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

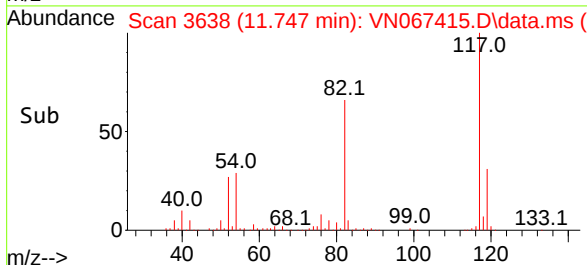
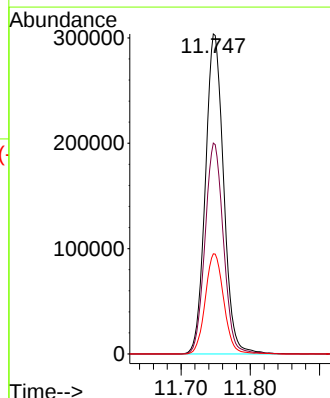
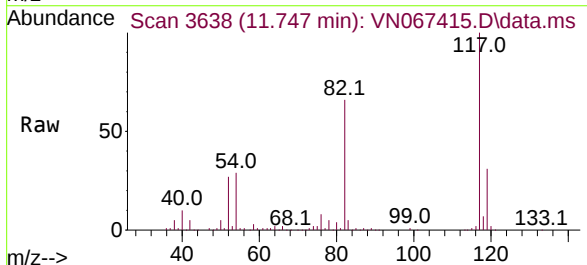
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

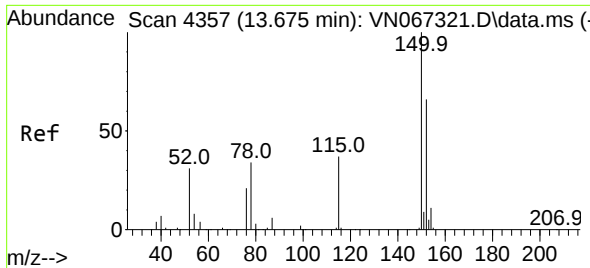
Tgt Ion: 95 Resp: 293999
Ion Ratio Lower Upper
95 100
174 57.9 0.0 122.0
176 55.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

Tgt Ion: 117 Resp: 554864
Ion Ratio Lower Upper
117 100
82 65.9 53.1 79.7
119 31.3 25.5 38.3

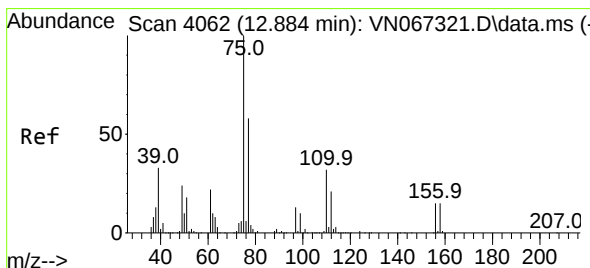
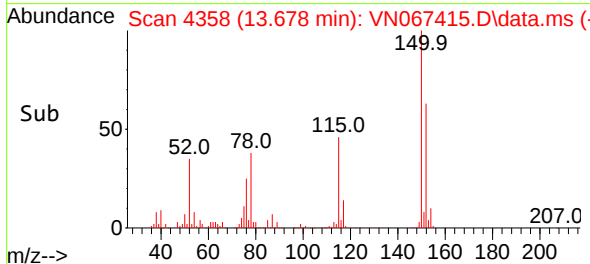
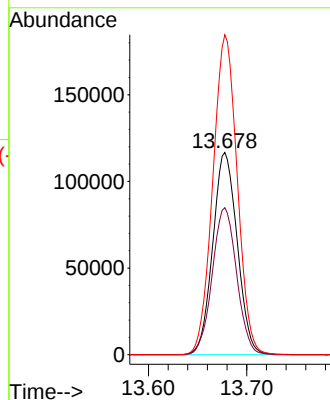
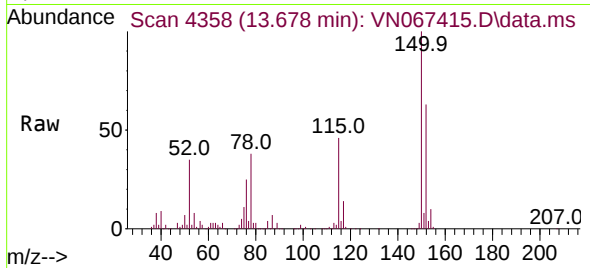




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

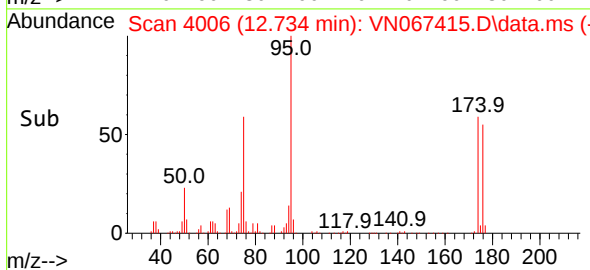
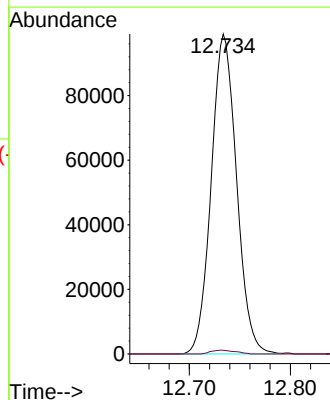
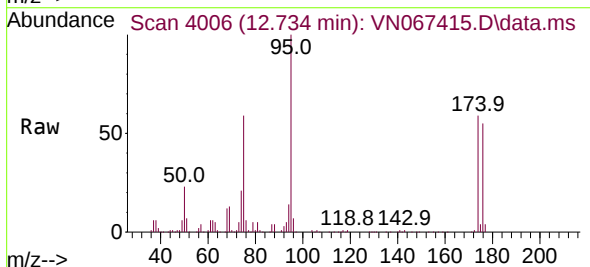
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

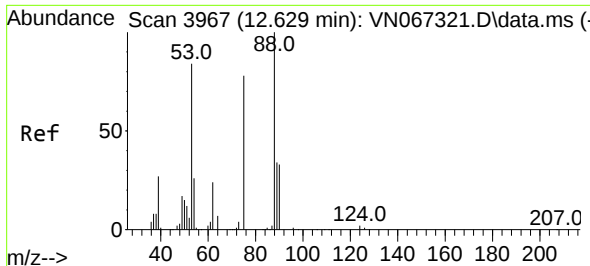
Tgt Ion:152 Resp: 201819
Ion Ratio Lower Upper
152 100
115 72.4 36.1 108.5
150 157.7 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 32.88 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

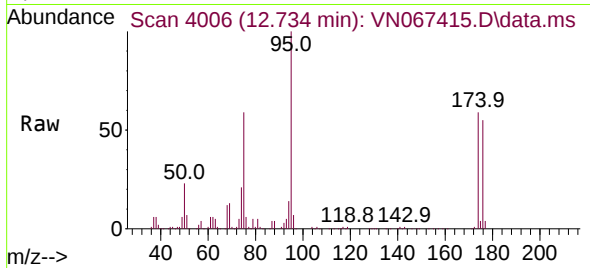
Tgt Ion: 75 Resp: 172325
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



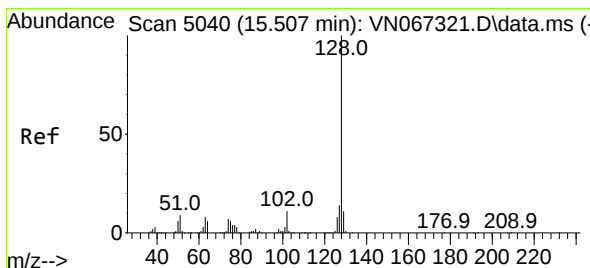
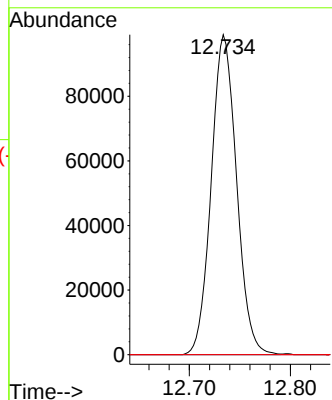
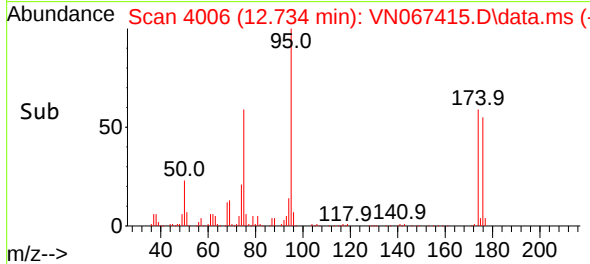


#81
trans-1,4-Dichloro-2-butene
Concen: 81.49 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36

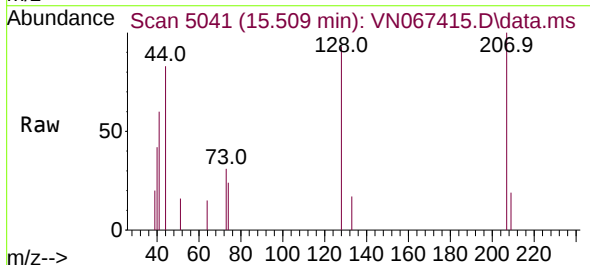
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE



Tgt Ion: 75 Resp: 172325
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 2.75 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067415.D
Acq: 21 Jun 2021 14:36



Tgt Ion: 128 Resp: 1854
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

