

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041421\
 Data File : VY004421.D
 Acq On : 14 Apr 2021 15:03
 Operator : SY/MD
 Sample : M2025-09
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-3

Quant Time: Apr 15 01:07:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

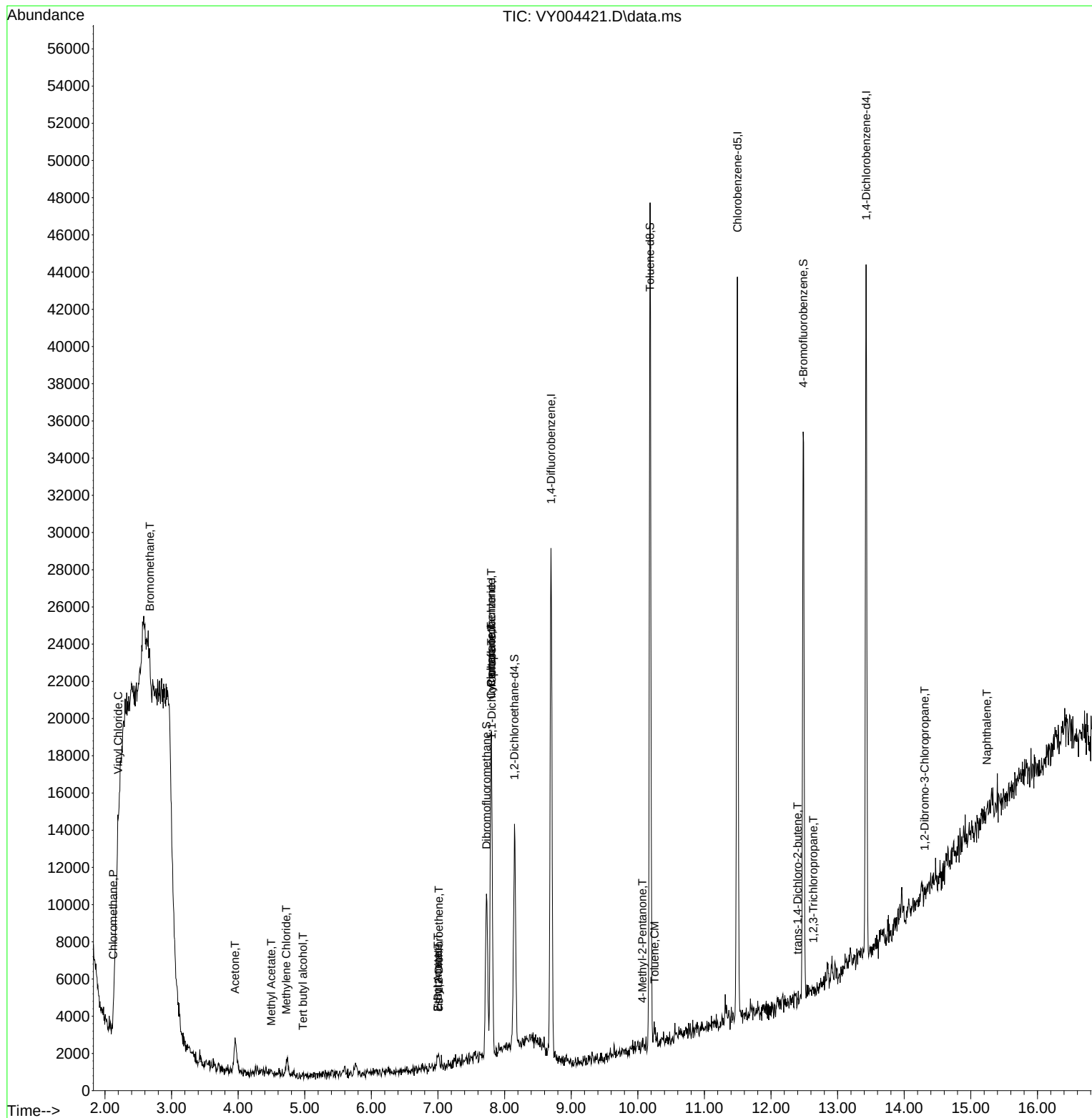
Internal Standards						
1) Pentafluorobenzene	7.801	168	13577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	22541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	20030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9007	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	8185	54.26	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.52%			
35) Dibromofluoromethane	7.728	113	6014	48.08	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.16%			
50) Toluene-d8	10.185	98	26937	50.62	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.24%			
62) 4-Bromofluorobenzene	12.483	95	8620	47.74	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.48%			
Target Compounds						Qvalue
3) Chloromethane	2.125	50	351	1.93	ug/l	94
4) Vinyl Chloride	2.198	62	4961	25.82	ug/l #	43
5) Bromomethane	2.674	94	94	1.00	ug/l #	66
11) Tert butyl alcohol	4.972	59	60	4.04	ug/l #	73
16) Acetone	3.954	43	3040	82.03	ug/l	96
18) Methyl Acetate	4.497	43	107	1.02	ug/l #	54
20) Methylene Chloride	4.722	84	301	2.07	ug/l #	77
25) 2-Butanone	6.996	43	1229	21.39	ug/l	94
27) cis-1,2-Dichloroethene	7.015	96	212	1.27	ug/l #	1
31) Cyclohexane	7.795	56	350	1.27	ug/l #	44
36) 1,1-Dichloropropene	7.807	75	1204	5.38	ug/l #	50
37) Ethyl Acetate	6.996	43	1229	8.52	ug/l #	70
38) Carbon Tetrachloride	7.801	117	1418	7.32	ug/l #	12
51) 4-Methyl-2-Pentanone	10.069	43	359	2.56	ug/l #	64
52) Toluene	10.252	92	547	1.34	ug/l	92
76) 1,2,3-Trichloropropane	12.636	75	270	2.79	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.398	75	179	3.31	ug/l #	33
92) 1,2-Dibromo-3-Chloropr...	14.306	75	157	6.64	ug/l #	2
95) Naphthalene	15.239	128	471	1.27	ug/l #	69

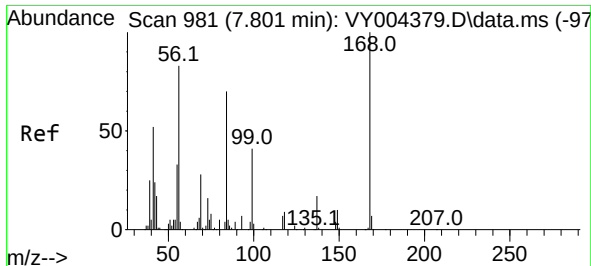
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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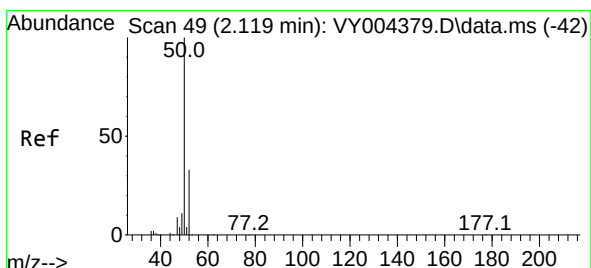
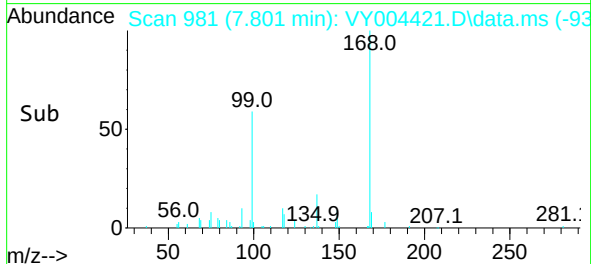
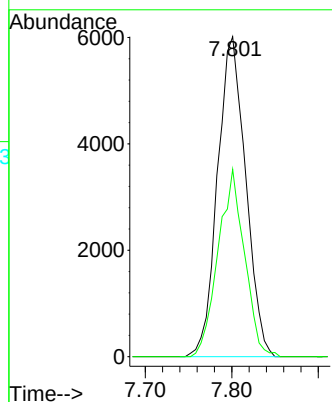
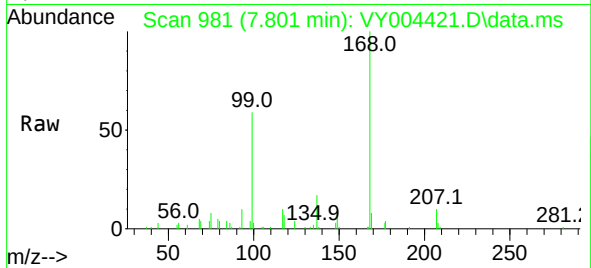




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

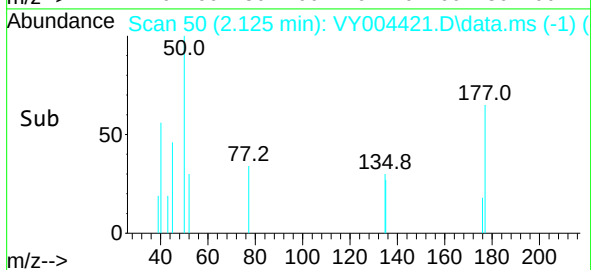
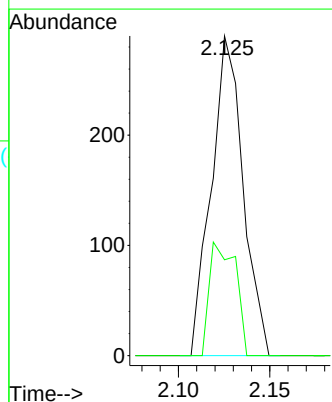
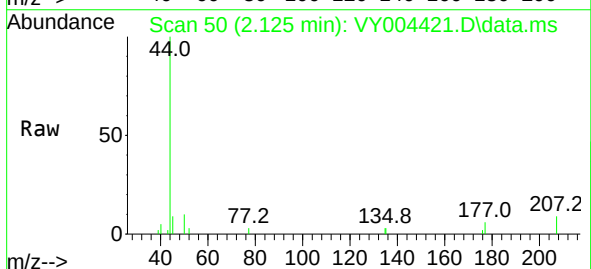
Instrument :
MSVOA_Y
ClientSampleId :
WC-3

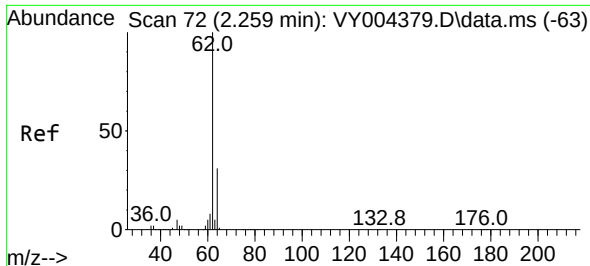
Tgt Ion:168 Resp: 13577
Ion Ratio Lower Upper
168 100
99 58.5 45.5 68.3



#3
Chloromethane
Concen: 1.93 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

Tgt Ion: 50 Resp: 351
Ion Ratio Lower Upper
50 100
52 30.0 26.6 39.8

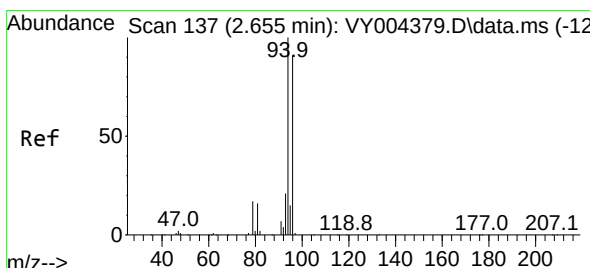
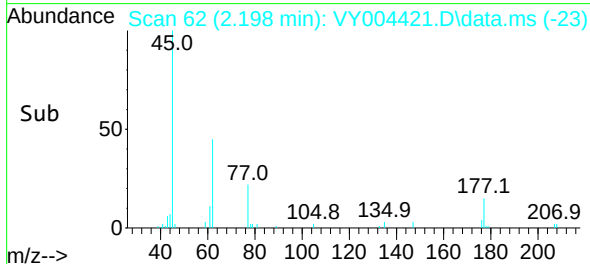
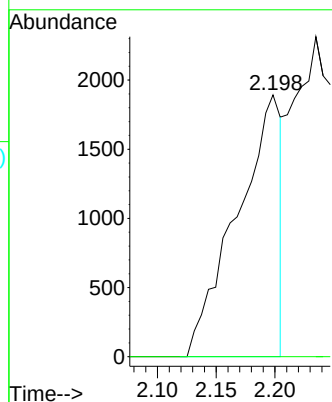
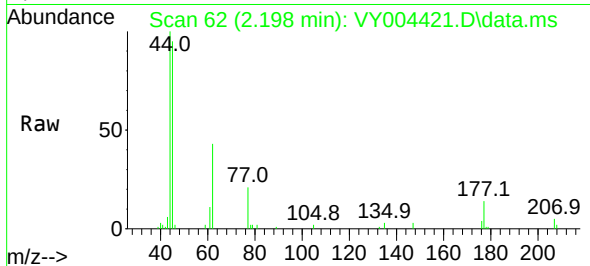




#4
 Vinyl Chloride
 Concen: 25.82 ug/l
 RT: 2.198 min Scan# 62
 Delta R.T. -0.061 min
 Lab File: VY004421.D
 Acq: 14 Apr 2021 15:03

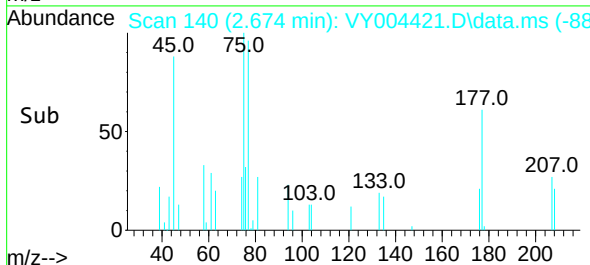
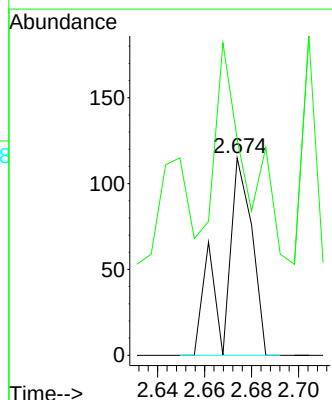
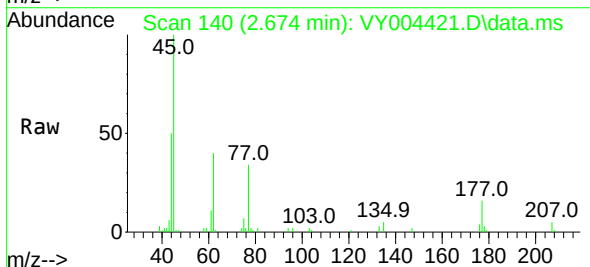
Instrument :
 MSVOA_Y
 ClientSampled :
 WC-3

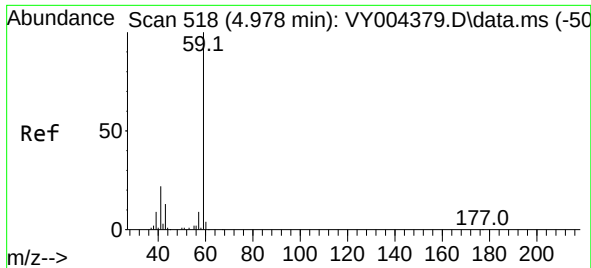
Tgt Ion: 62 Resp: 4961
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.1 37.7#



#5
 Bromomethane
 Concen: 1.00 ug/l
 RT: 2.674 min Scan# 140
 Delta R.T. 0.018 min
 Lab File: VY004421.D
 Acq: 14 Apr 2021 15:03

Tgt Ion: 94 Resp: 94
 Ion Ratio Lower Upper
 94 100
 96 58.3 72.6 108.8#

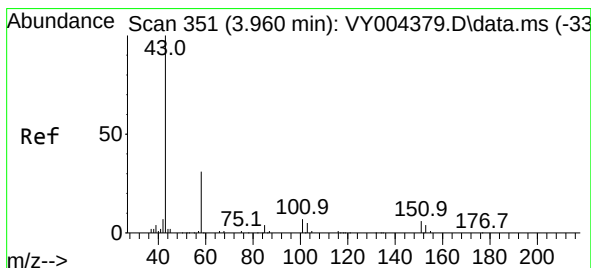
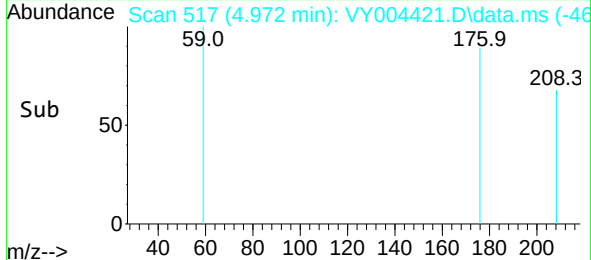
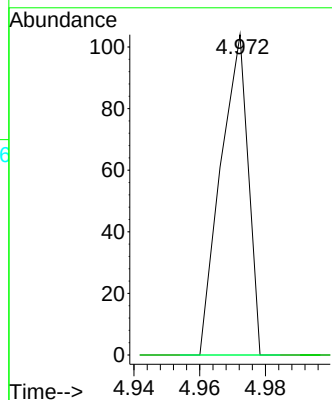
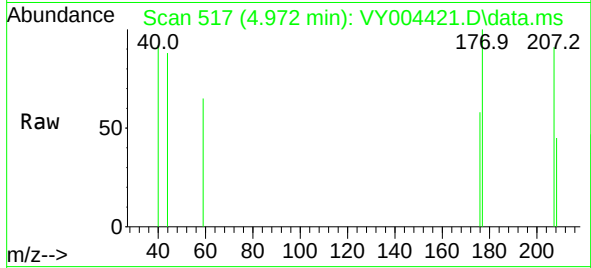




#11
Tert butyl alcohol
Concen: 4.04 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

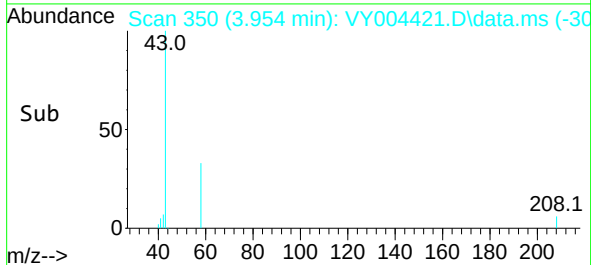
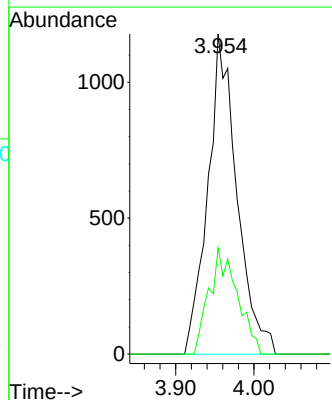
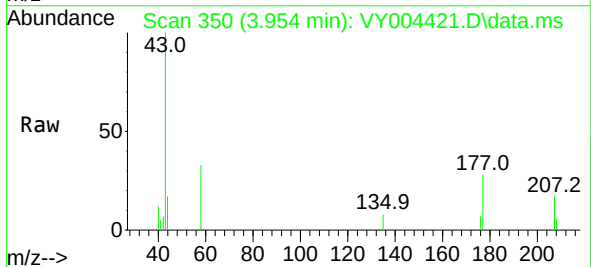
Instrument :
MSVOA_Y
ClientSampled :
WC-3

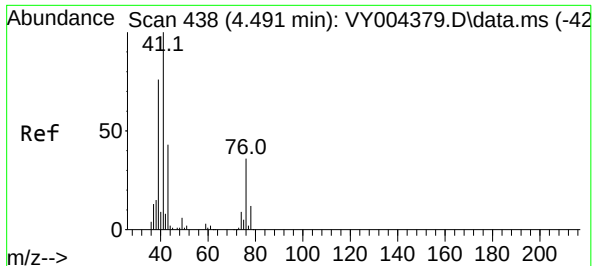
Tgt Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 82.03 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

Tgt Ion: 43 Resp: 3040
Ion Ratio Lower Upper
43 100
58 33.2 24.6 37.0

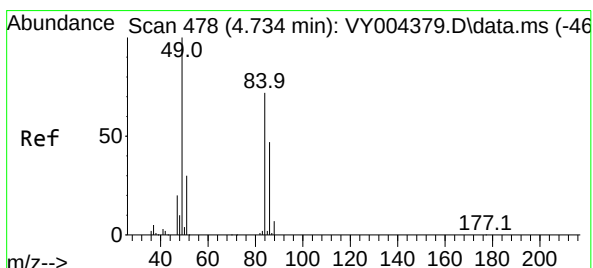
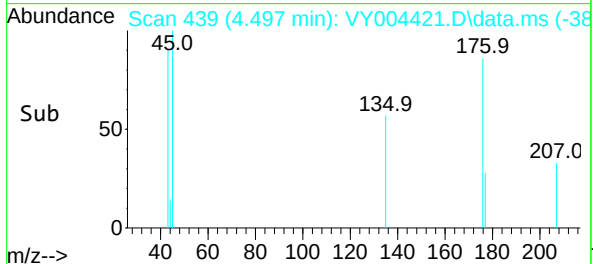
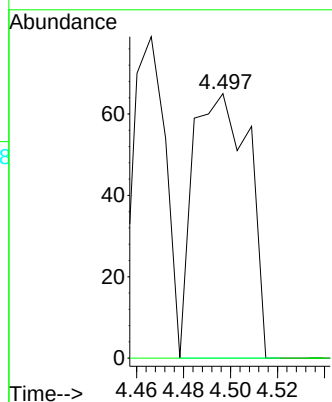
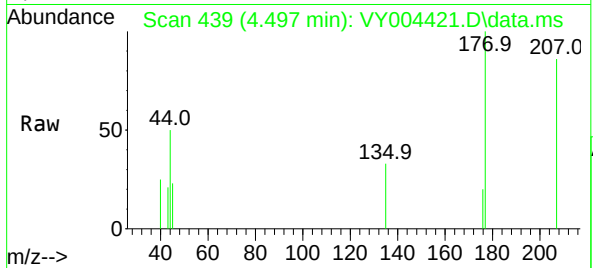




#18
Methyl Acetate
Concen: 1.02 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

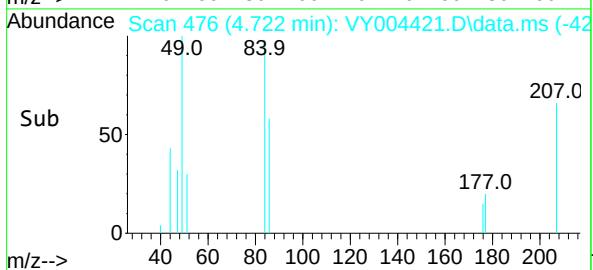
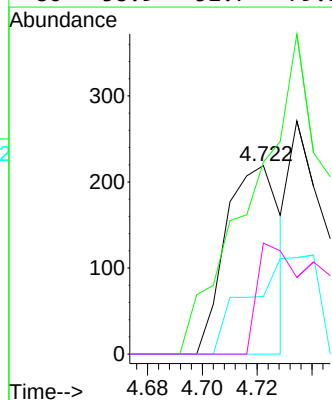
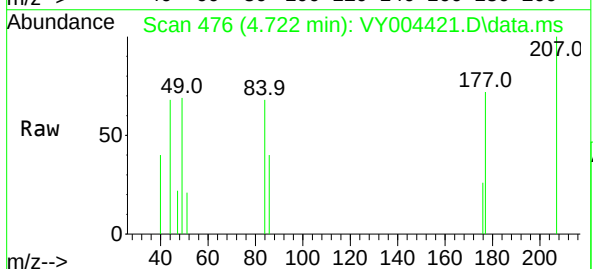
Instrument :
MSVOA_Y
ClientSampled :
WC-3

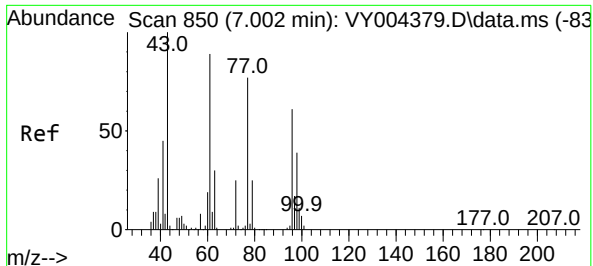
Tgt Ion: 43 Resp: 107
Ion Ratio Lower Upper
43 100
74 0.0 17.2 25.8#



#20
Methylene Chloride
Concen: 2.07 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.012 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

Tgt Ion: 84 Resp: 301
Ion Ratio Lower Upper
84 100
49 101.8 111.2 166.8#
51 30.6 33.4 50.2#
86 58.9 52.7 79.1

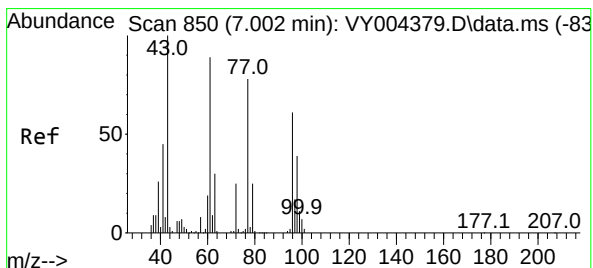
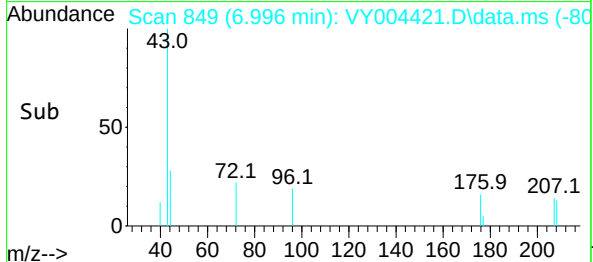
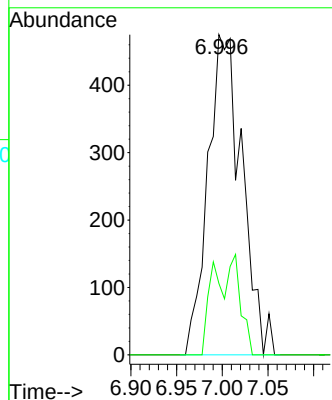
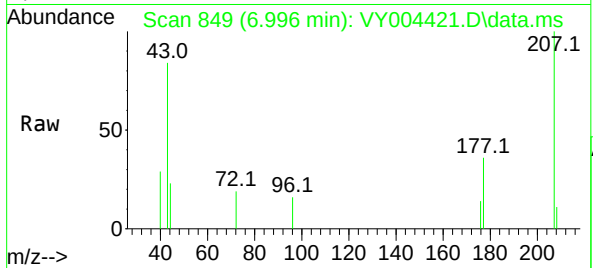




#25
2-Butanone
Concen: 21.39 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

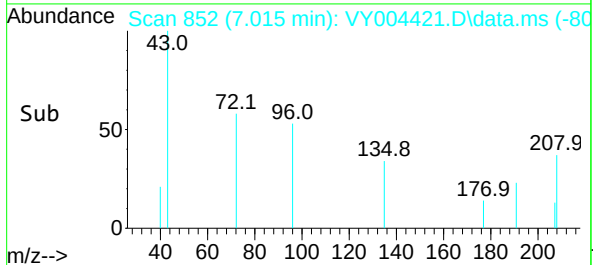
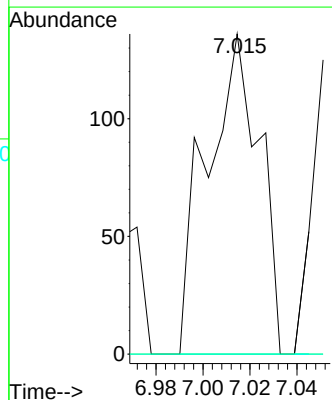
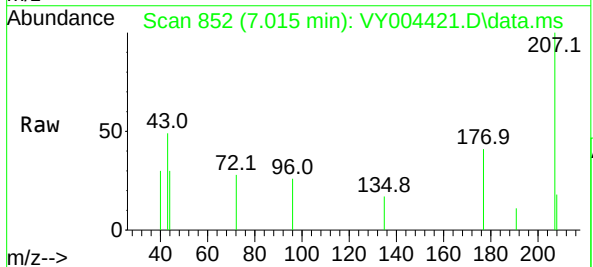
Instrument :
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ClientSampled :
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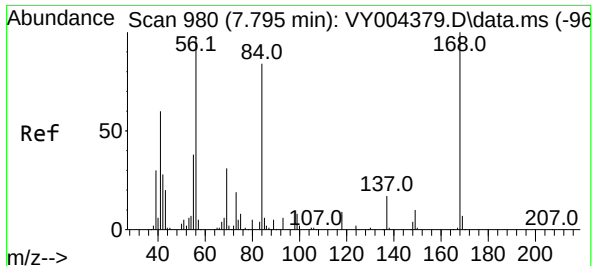
Tgt Ion: 43 Resp: 1229
Ion Ratio Lower Upper
43 100
72 22.3 20.2 30.2



#27
cis-1,2-Dichloroethene
Concen: 1.27 ug/l
RT: 7.015 min Scan# 852
Delta R.T. 0.012 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

Tgt Ion: 96 Resp: 212
Ion Ratio Lower Upper
96 100
61 0.0 0.0 303.2
98 0.0 0.0 130.0

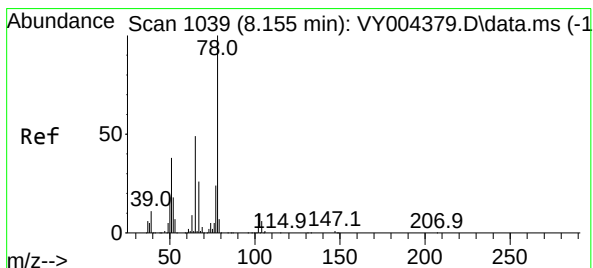
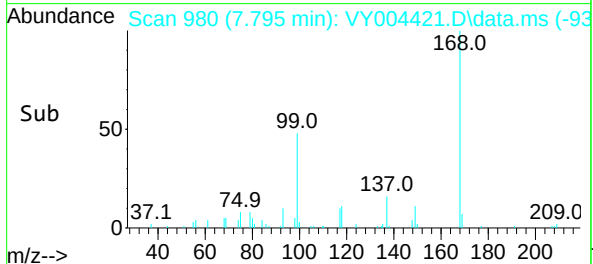
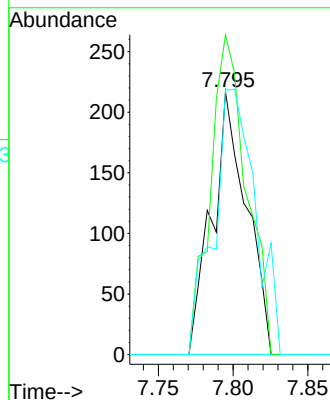
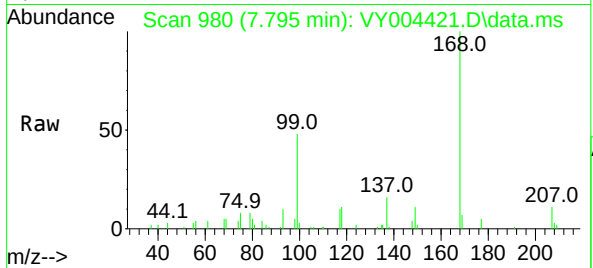




#31
Cyclohexane
Concen: 1.27 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

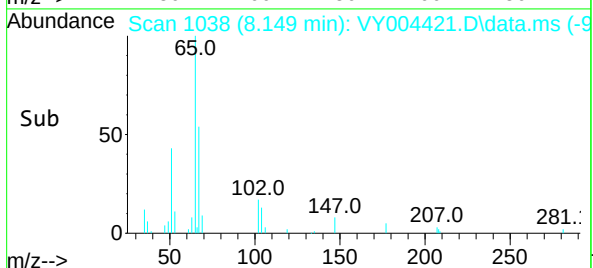
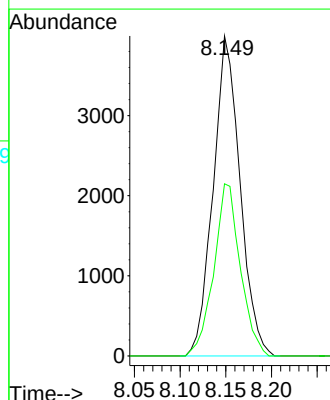
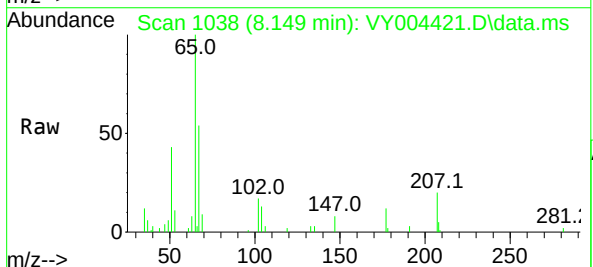
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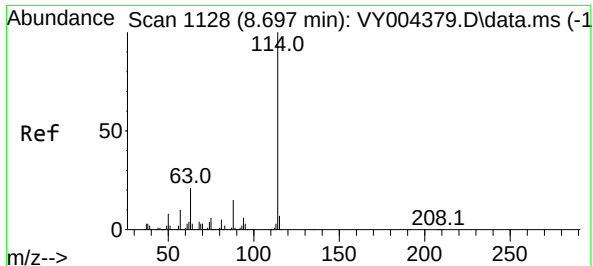
Tgt Ion: 56 Resp: 350
Ion Ratio Lower Upper
56 100
69 121.7 25.8 38.6#
84 100.5 68.2 102.4



#33
1,2-Dichloroethane-d4
Concen: 54.26 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

Tgt Ion: 65 Resp: 8185
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.4

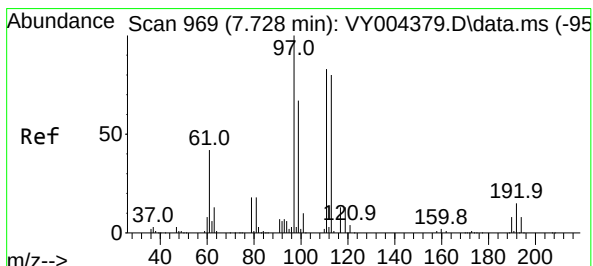
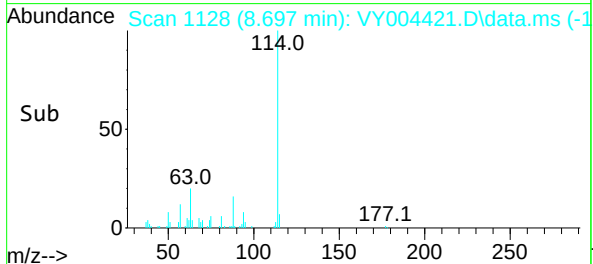
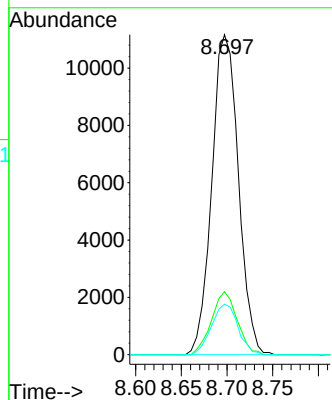
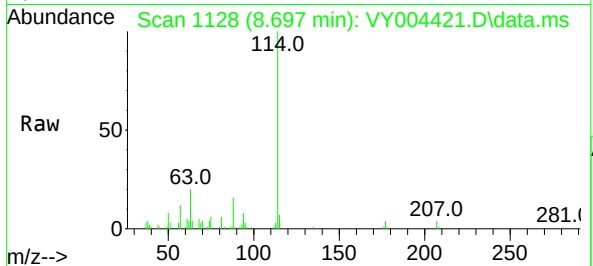




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

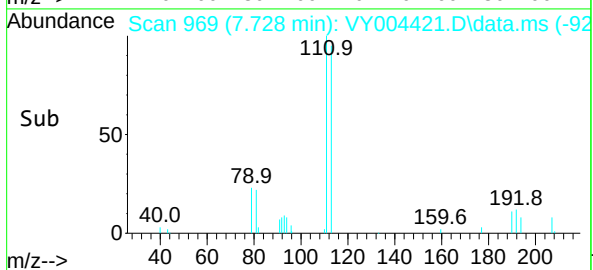
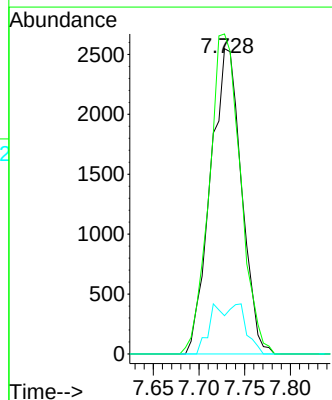
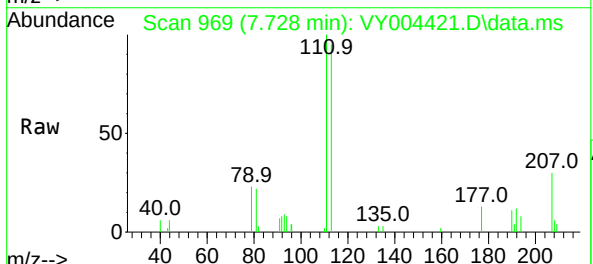
Instrument :
MSVOA_Y
ClientSampleId :
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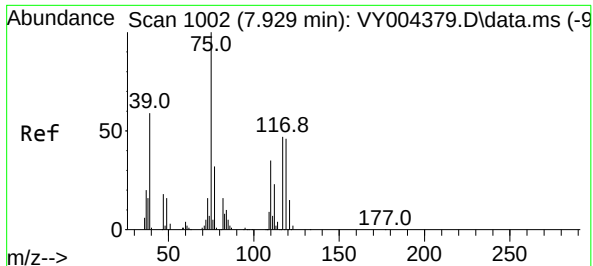
Tgt Ion:	114	Resp:	22541
Ion Ratio	Lower	Upper	
114	100		
63	19.7	0.0	42.4
88	15.8	0.0	30.8



#35
Dibromofluoromethane
Concen: 48.08 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

Tgt Ion:	113	Resp:	6014
Ion Ratio	Lower	Upper	
113	100		
111	105.5	82.6	123.8
192	8.4	16.1	24.1#





#36

1,1-Dichloropropene

Concen: 5.38 ug/l

RT: 7.807 min Scan# 982

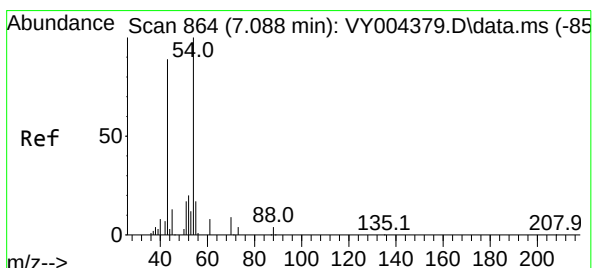
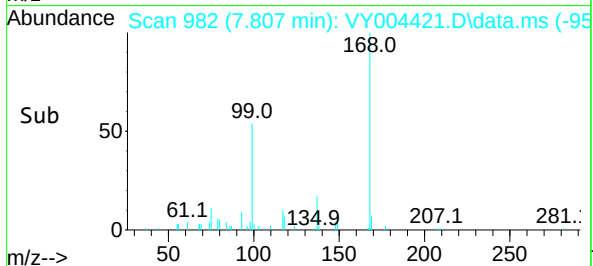
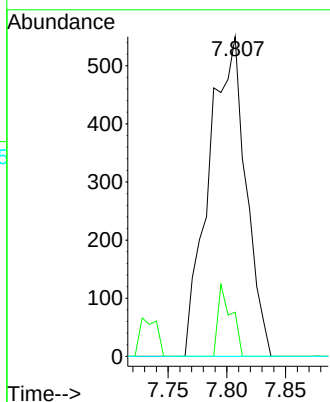
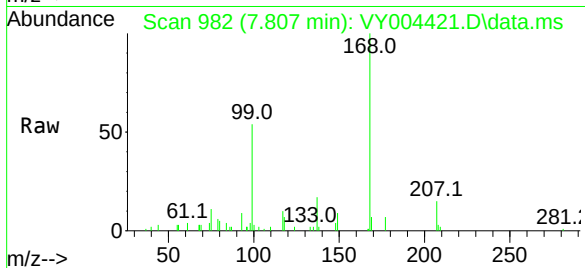
Delta R.T. -0.122 min

Lab File: VY004421.D

Acq: 14 Apr 2021 15:03

Tgt Ion: 75	Resp: 1204
Ion Ratio	Lower Upper
75 100	
110 8.2	17.3 51.7#
77 0.0	24.3 36.5#

Instrument :
MSVOA_Y
ClientSampled :
WC-3



#37

Ethyl Acetate

Concen: 8.52 ug/l

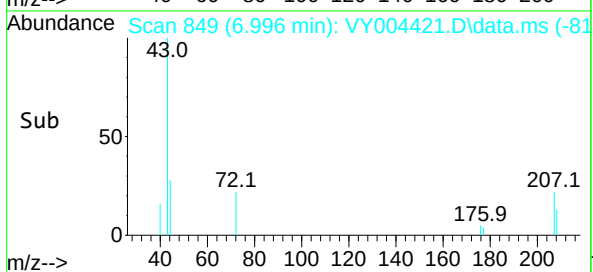
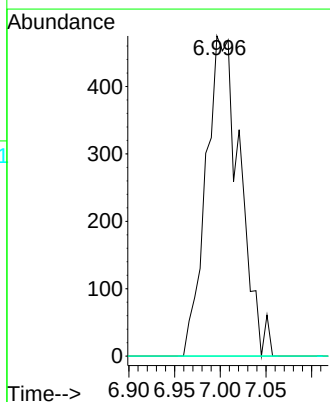
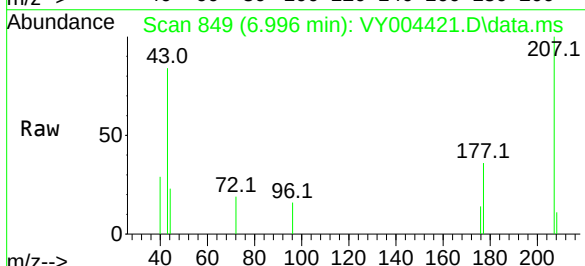
RT: 6.996 min Scan# 849

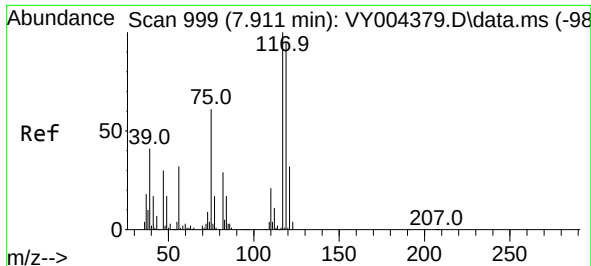
Delta R.T. -0.091 min

Lab File: VY004421.D

Acq: 14 Apr 2021 15:03

Tgt Ion: 43	Resp: 1229
Ion Ratio	Lower Upper
43 100	
61 0.0	10.4 15.6#
70 0.0	7.5 11.3#

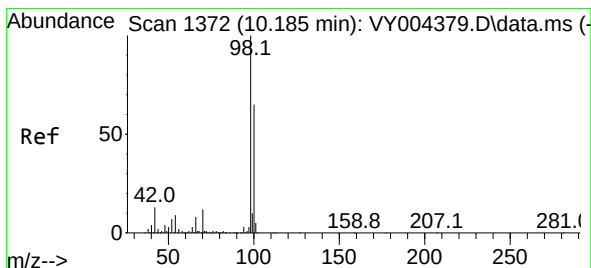
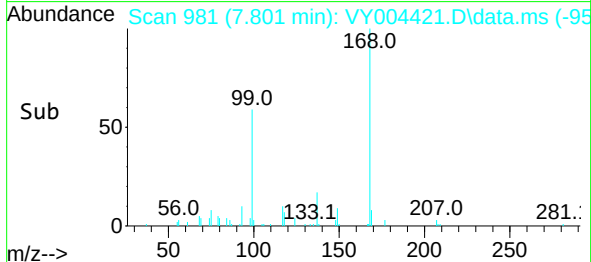
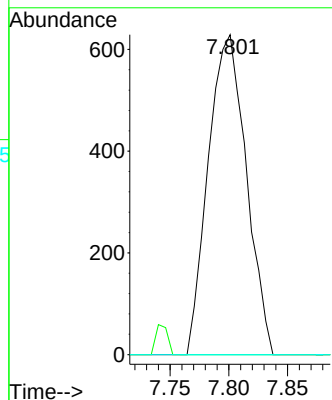
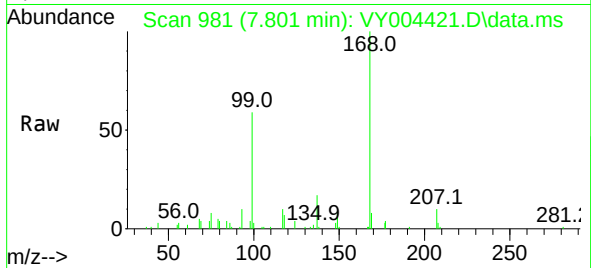




#38
Carbon Tetrachloride
Concen: 7.32 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

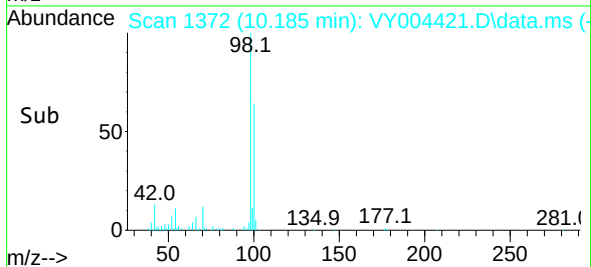
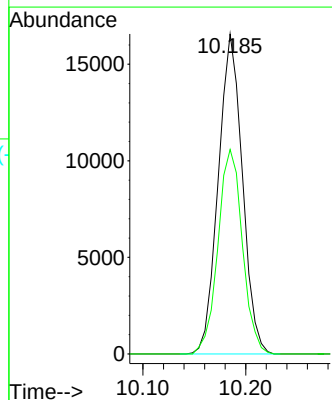
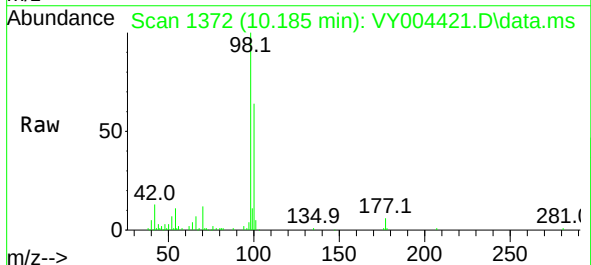
Instrument :
MSVOA_Y
ClientSampleId :
WC-3

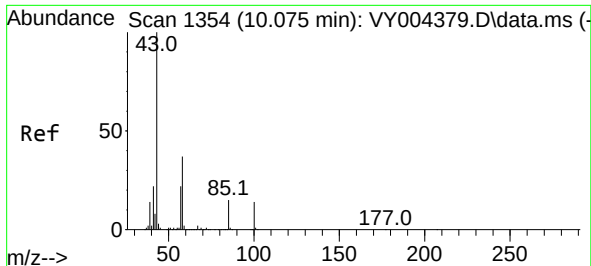
Tgt Ion:117 Resp: 1418
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 50.62 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

Tgt Ion: 98 Resp: 26937
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6

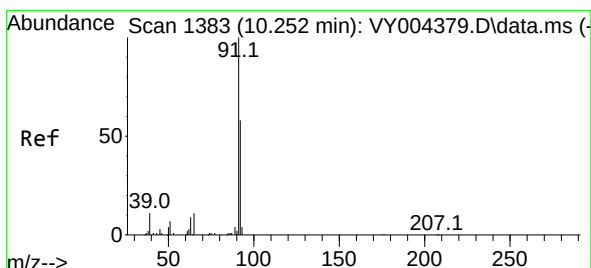
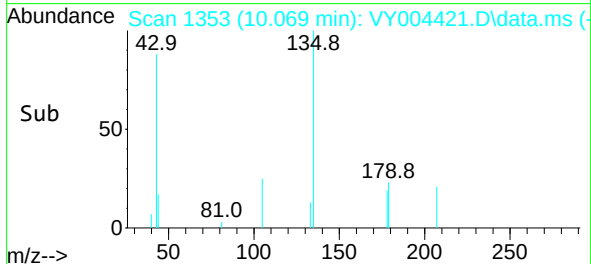
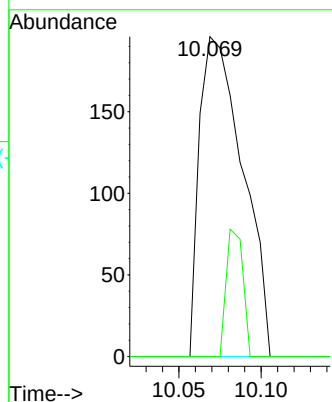
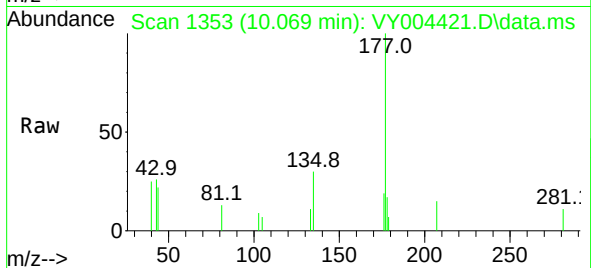




#51
4-Methyl-2-Pentanone
Concen: 2.56 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.006 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

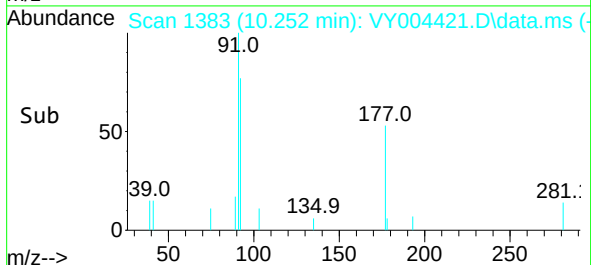
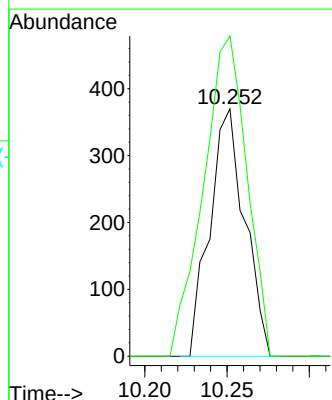
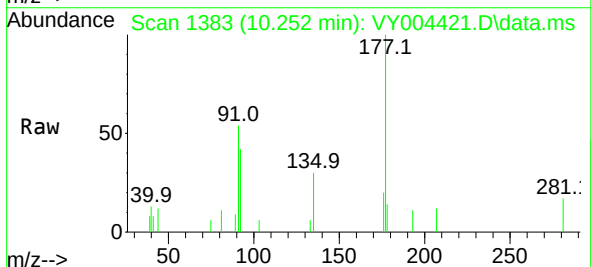
Instrument :
MSVOA_Y
ClientSampled :
WC-3

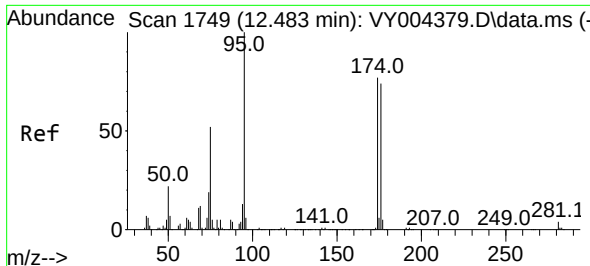
Tgt Ion: 43 Resp: 359
Ion Ratio Lower Upper
43 100
58 15.3 29.2 43.8#



#52
Toluene
Concen: 1.34 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

Tgt Ion: 92 Resp: 547
Ion Ratio Lower Upper
92 100
91 160.9 137.8 206.6

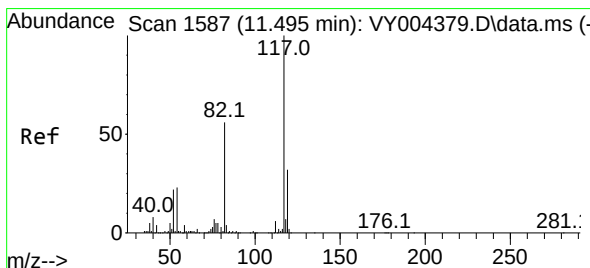
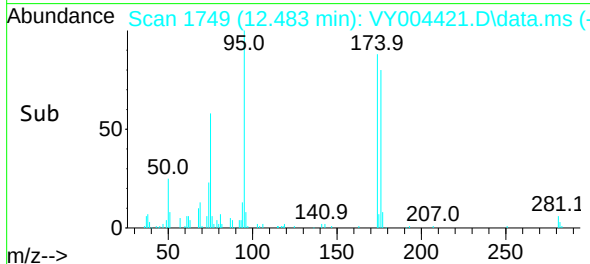
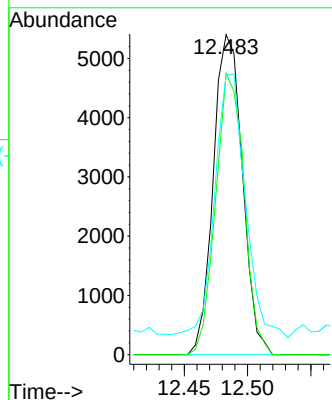
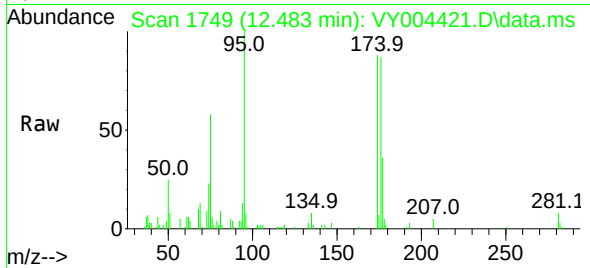




#62
4-Bromofluorobenzene
Concen: 47.74 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

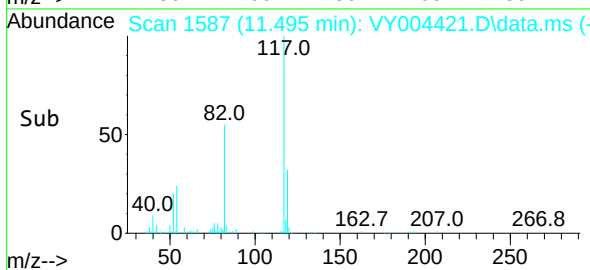
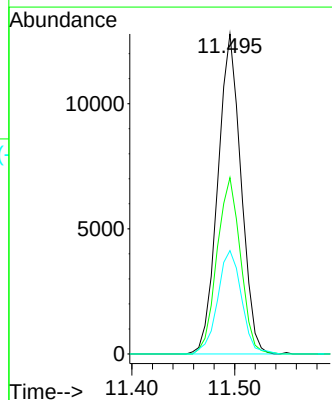
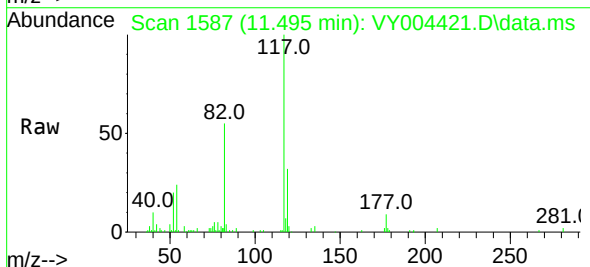
Instrument :
MSVOA_Y
ClientSampleId :
WC-3

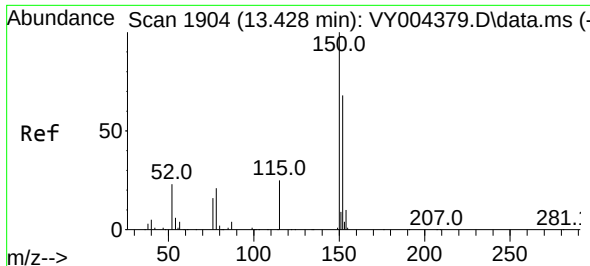
Tgt Ion:	95	Resp:	8620
Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	162.4
176	86.9	0.0	156.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

Tgt Ion:	117	Resp:	20030
Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.9	67.3
119	32.3	25.4	38.0

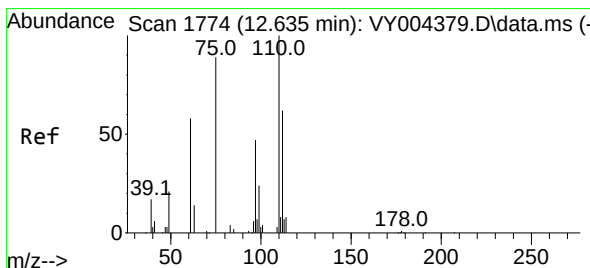
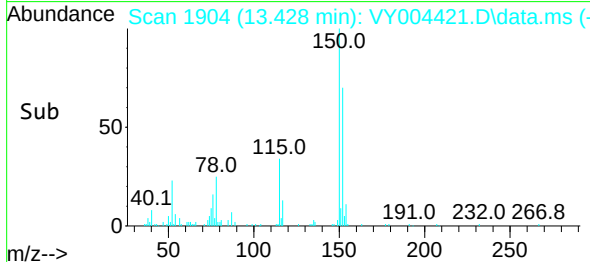
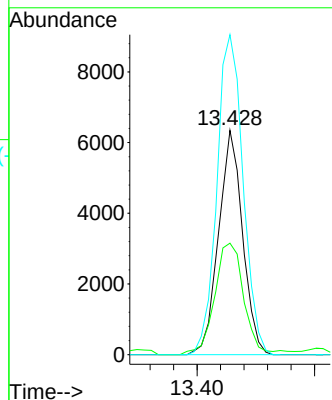
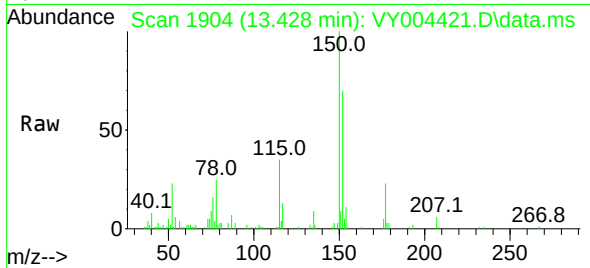




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

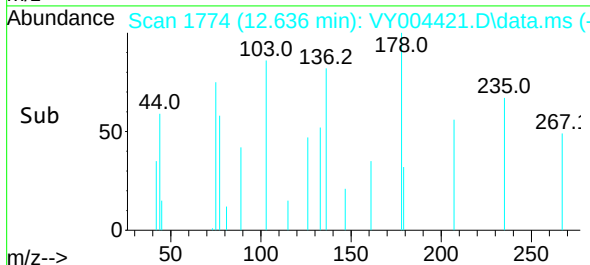
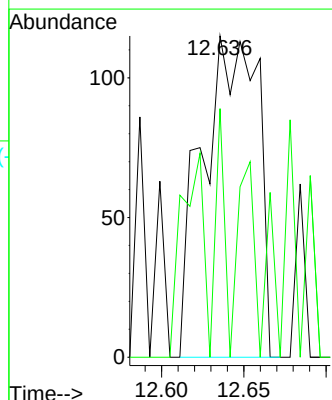
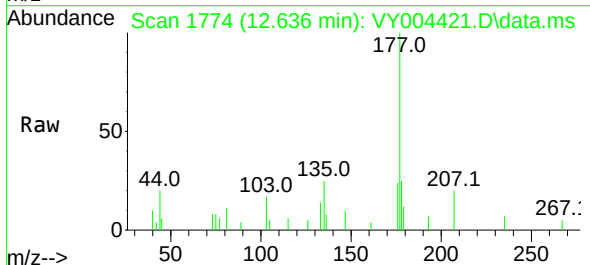
Instrument :
MSVOA_Y
ClientSampleId :
WC-3

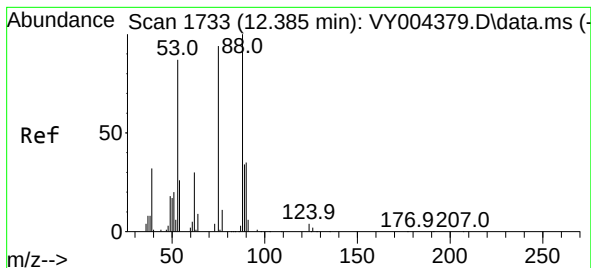
Tgt Ion:152 Resp: 9007
Ion Ratio Lower Upper
152 100
115 59.8 29.6 88.8
150 155.4 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 2.79 ug/l
RT: 12.636 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

Tgt Ion: 75 Resp: 270
Ion Ratio Lower Upper
75 100
77 12.2 0.0 0.0#

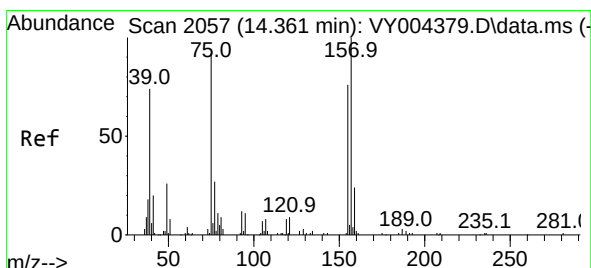
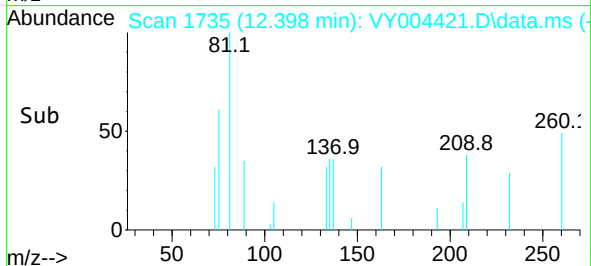
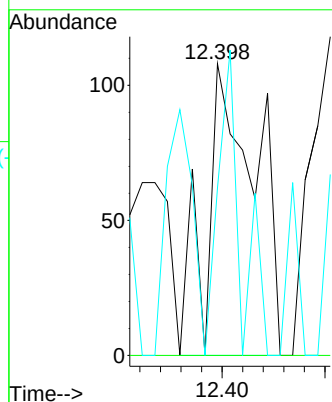
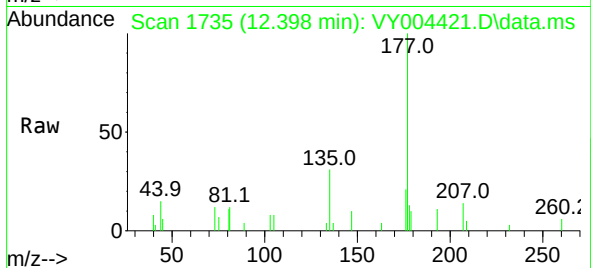




#81
trans-1,4-Dichloro-2-butene
Concen: 3.31 ug/l
RT: 12.398 min Scan# 1735
Delta R.T. 0.012 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

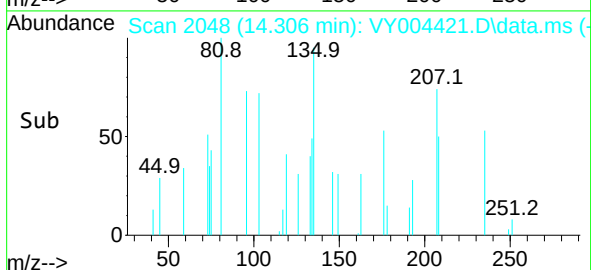
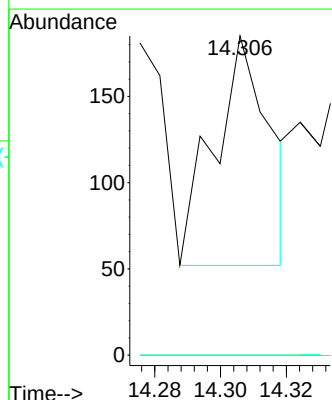
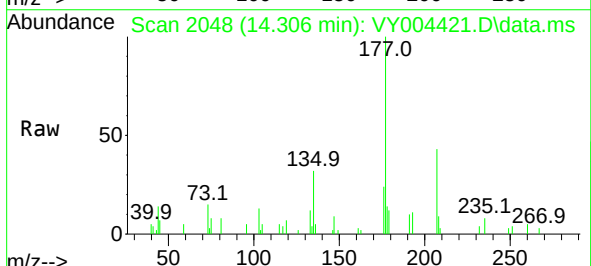
Instrument :
MSVOA_Y
ClientSampleId :
WC-3

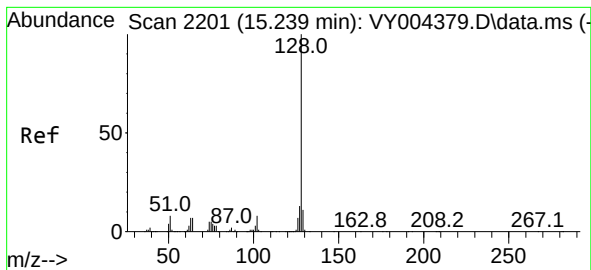
Tgt Ion: 75 Resp: 179
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 48.0 36.1 54.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 6.64 ug/l
RT: 14.306 min Scan# 2048
Delta R.T. -0.055 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

Tgt Ion: 75 Resp: 157
Ion Ratio Lower Upper
75 100
155 0.0 40.6 121.8#
157 0.0 53.0 159.0#





#95
Naphthalene
Concen: 1.27 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004421.D
Acq: 14 Apr 2021 15:03

Instrument :
MSVOA_Y
ClientSampleId :
WC-3

Tgt Ion:128 Resp: 471
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

