

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041321\
 Data File : VY004406.D
 Acq On : 13 Apr 2021 13:35
 Operator : SY/MD
 Sample : M1982-02
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 14 01:25:39 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)

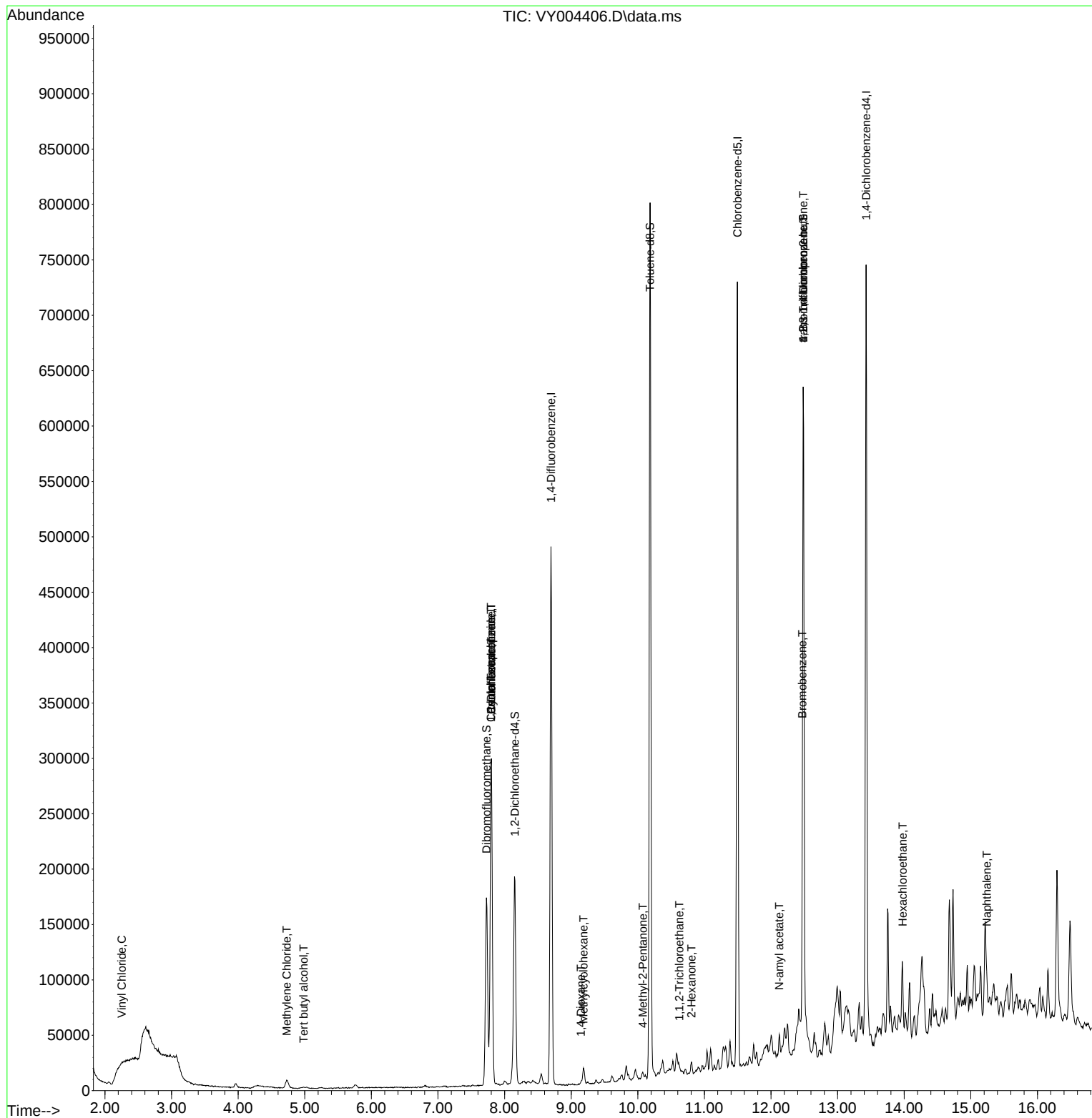
Internal Standards						
1) Pentafluorobenzene	7.801	168	227392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	392504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	366477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	169034	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	142911	56.57	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.14%
35) Dibromofluoromethane	7.728	113	117350	53.87	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.74%
50) Toluene-d8	10.185	98	482522	52.08	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.16%
62) 4-Bromofluorobenzene	12.483	95	170558	54.25	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.50%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.253	62	12994	4.04	ug/l #	43
11) Tert butyl alcohol	4.985	59	2501	10.04	ug/l #	81
16) Acetone	3.966	43	6105	Below Cal		96
20) Methylene Chloride	4.729	84	5127	2.10	ug/l	90
31) Cyclohexane	7.801	56	6368	1.37	ug/l #	29
36) 1,1-Dichloropropene	7.795	75	18284	4.69	ug/l #	51
38) Carbon Tetrachloride	7.795	117	22328	6.62	ug/l #	17
39) Methylcyclohexane	9.185	83	5870	1.22	ug/l	98
49) 1,4-Dioxane	9.148	88	22	1.09	ug/l #	1
51) 4-Methyl-2-Pentanone	10.075	43	2895	1.18	ug/l	98
55) 1,1,2-Trichloroethane	10.624	97	2553	1.20	ug/l #	26
59) 2-Hexanone	10.807	43	5233	3.19	ug/l #	34
74) N-amyl acetate	12.124	43	4970	1.13	ug/l #	68
76) 1,2,3-Trichloropropane	12.483	75	91506	50.44	ug/l #	100
77) Bromobenzene	12.471	156	70457	24.07	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	91506	90.23	ug/l #	13
90) Hexachloroethane	13.977	117	2424	1.57	ug/l #	13
95) Naphthalene	15.239	128	28536	4.09	ug/l	97

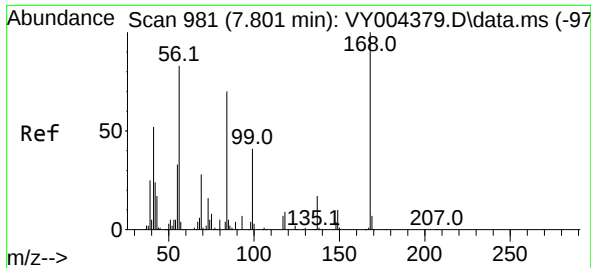
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Apr 14 01:25:39 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

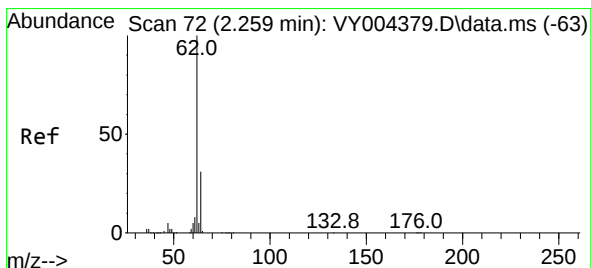
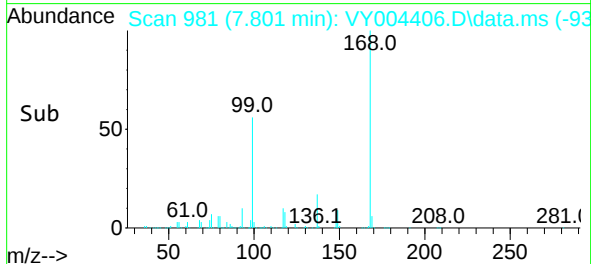
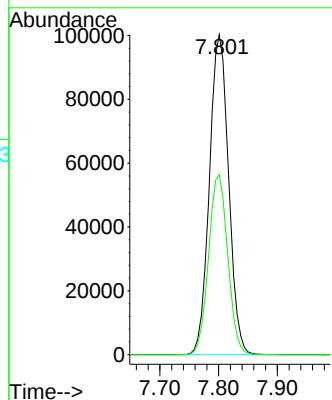
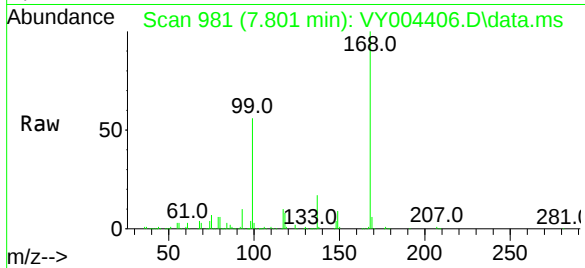




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

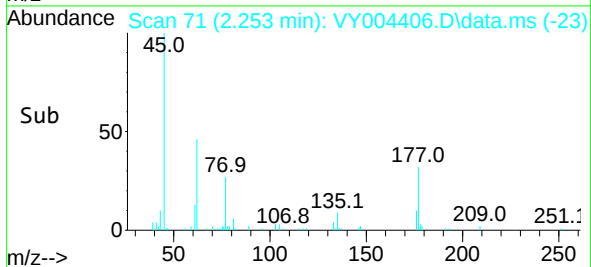
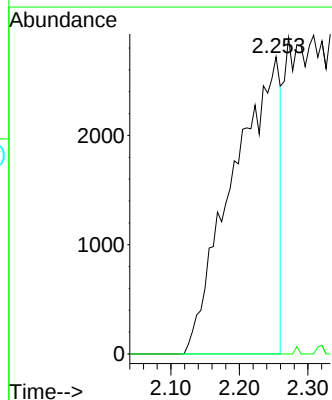
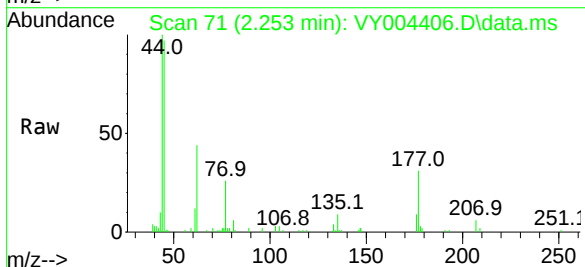
Instrument :
MSVOA_Y
ClientSampleId :

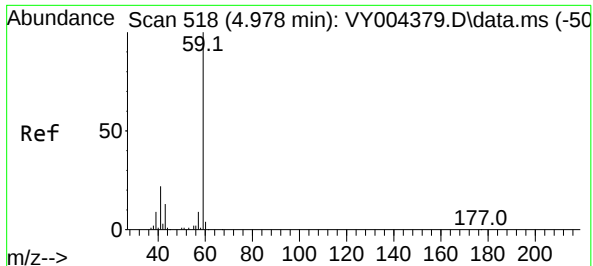
Tgt Ion:168 Resp: 227392
Ion Ratio Lower Upper
168 100
99 56.2 45.5 68.3



#4
Vinyl Chloride
Concen: 4.04 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Tgt Ion: 62 Resp: 12994
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#



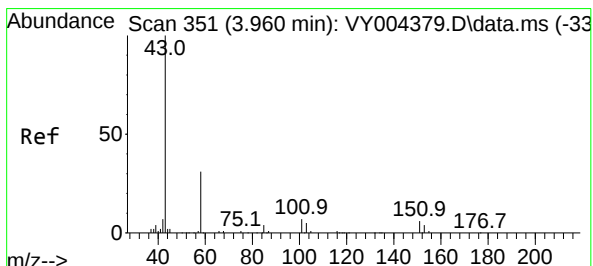
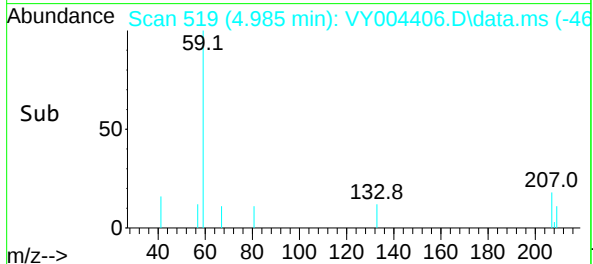
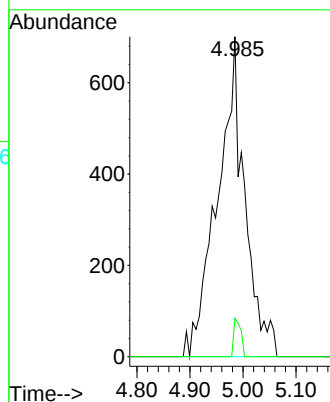
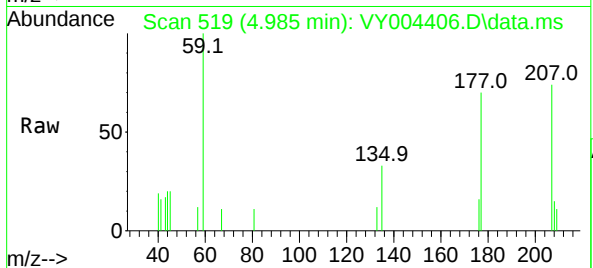


#11

Tert butyl alcohol
Concen: 10.04 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Instrument :
MSVOA_Y
ClientSampled :

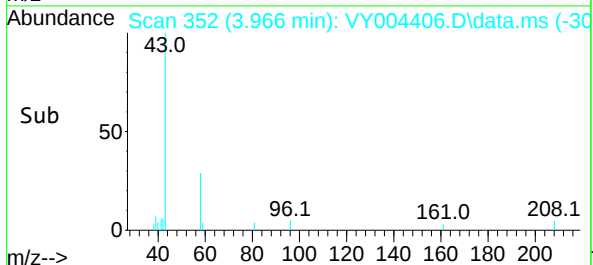
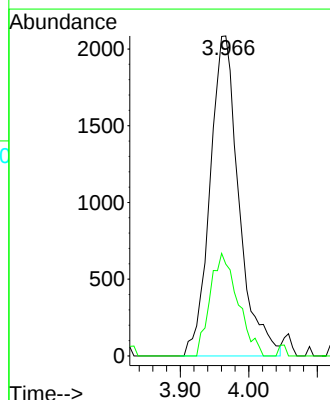
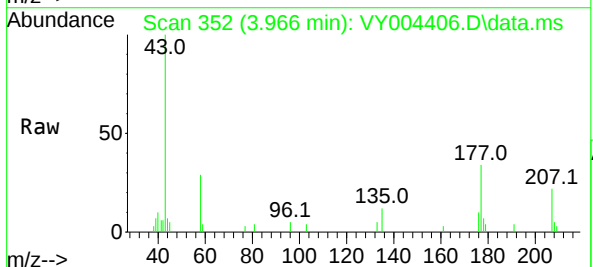
Tgt Ion: 59 Resp: 2501
Ion Ratio Lower Upper
59 100
57 3.1 8.1 12.1#

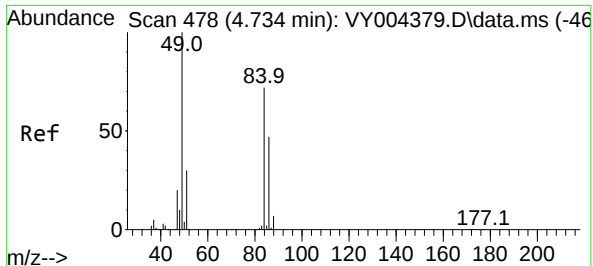


#16

Acetone
Concen: Below Cal
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Tgt Ion: 43 Resp: 6105
Ion Ratio Lower Upper
43 100
58 28.7 24.6 37.0





#20

Methylene Chloride

Concen: 2.10 ug/l

RT: 4.729 min Scan# 477

Delta R.T. -0.006 min

Lab File: VY004406.D

Acq: 13 Apr 2021 13:35

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 84 Resp: 5127

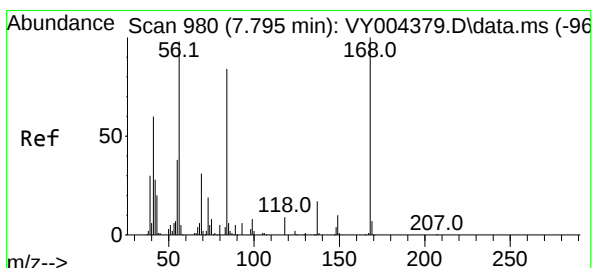
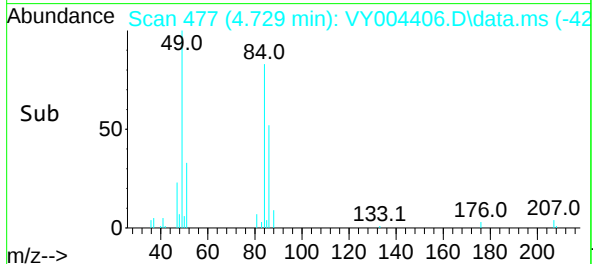
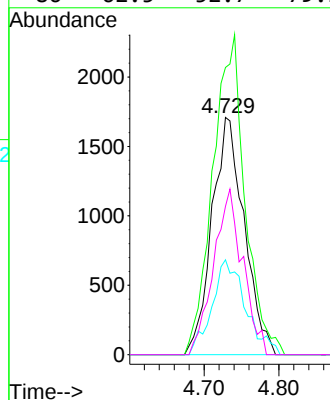
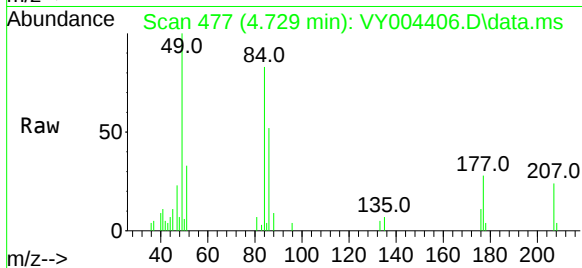
Ion Ratio Lower Upper

84 100

49 121.1 111.2 166.8

51 40.0 33.4 50.2

86 62.5 52.7 79.1



#31

Cyclohexane

Concen: 1.37 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY004406.D

Acq: 13 Apr 2021 13:35

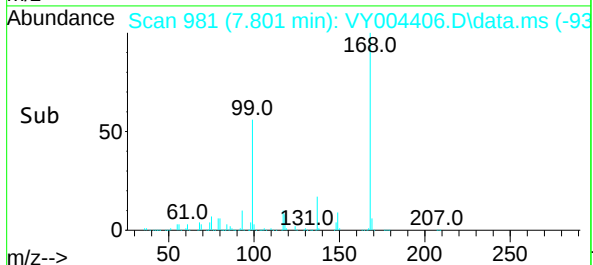
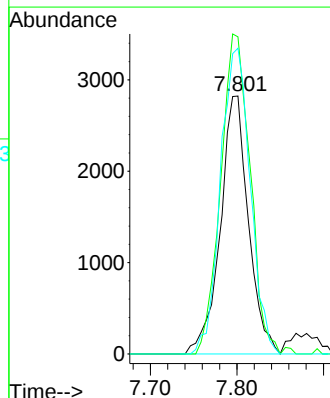
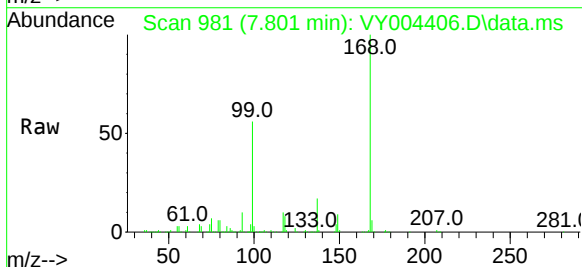
Tgt Ion: 56 Resp: 6368

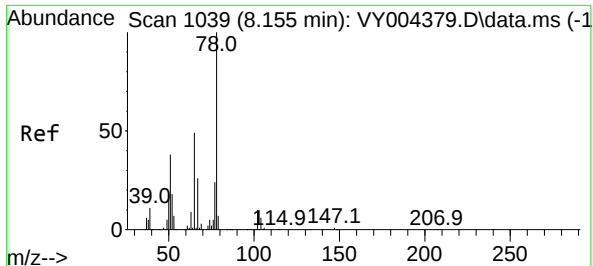
Ion Ratio Lower Upper

56 100

69 123.0 25.8 38.6#

84 118.6 68.2 102.4#

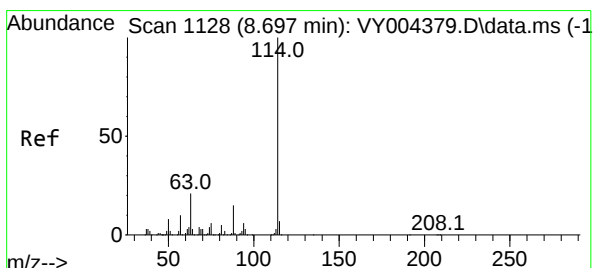
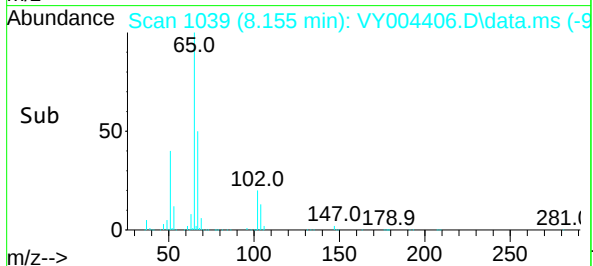
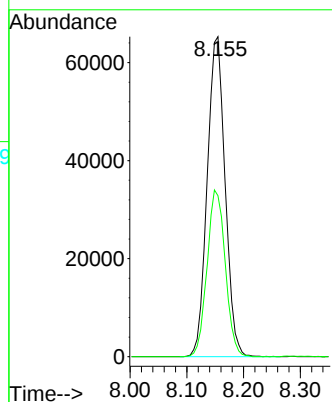
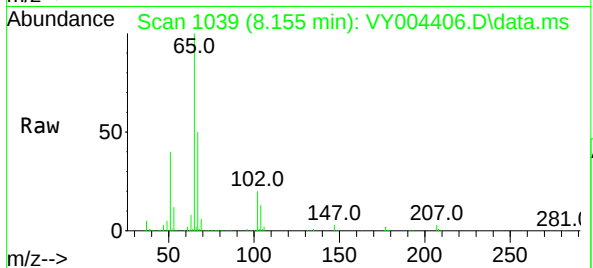




#33
1,2-Dichloroethane-d4
Concen: 56.57 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

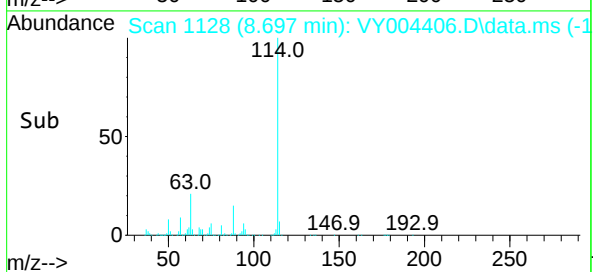
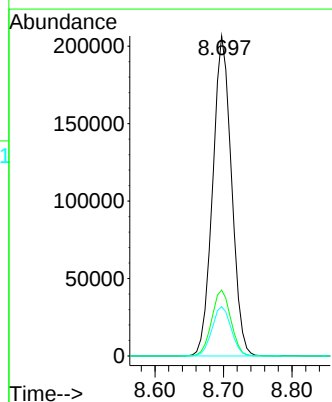
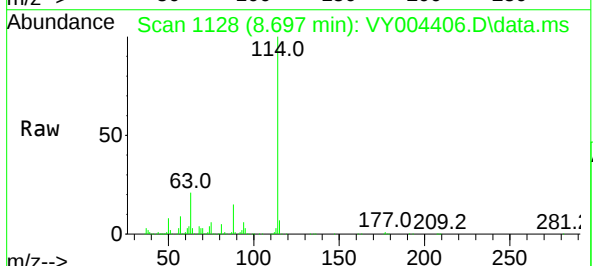
Instrument :
MSVOA_Y
ClientSampled :

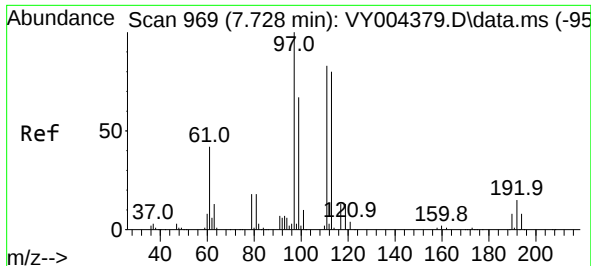
Tgt Ion: 65 Resp: 142911
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Tgt Ion: 114 Resp: 392504
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.4
88 15.4 0.0 30.8

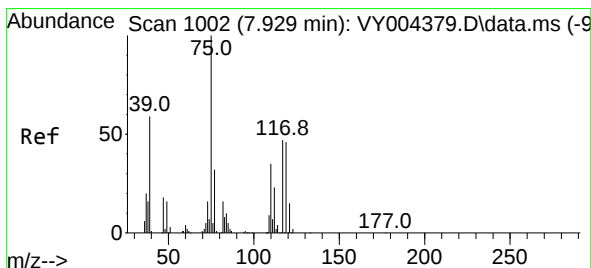
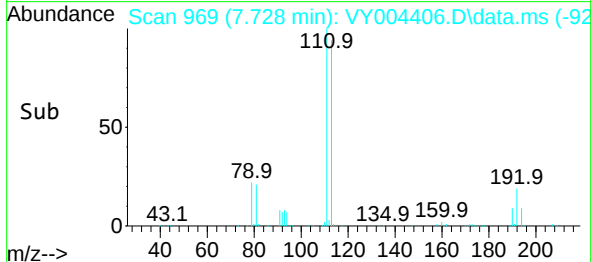
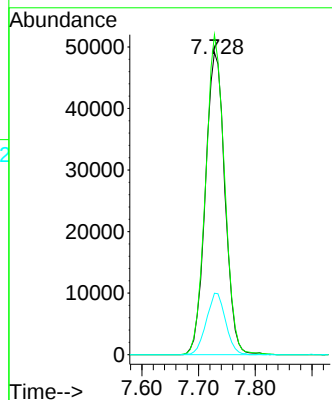
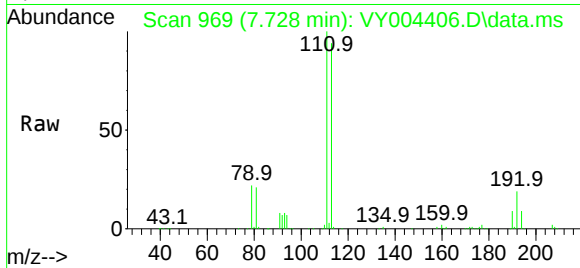




#35
Dibromofluoromethane
Concen: 53.87 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

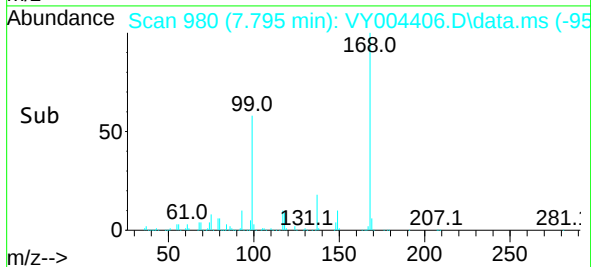
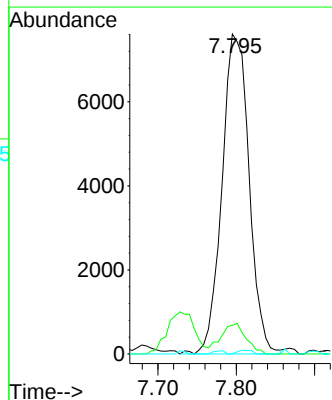
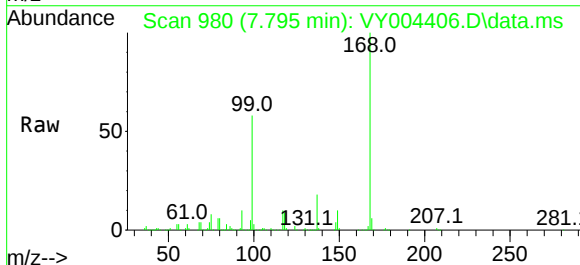
Instrument :
MSVOA_Y
ClientSampled :

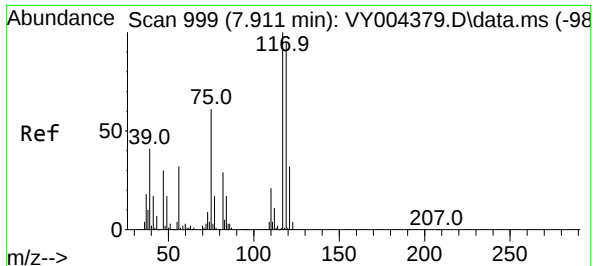
Tgt Ion:113 Resp: 117350
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 20.0 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.69 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Tgt Ion: 75 Resp: 18284
Ion Ratio Lower Upper
75 100
110 8.8 17.3 51.7#
77 0.6 24.3 36.5#

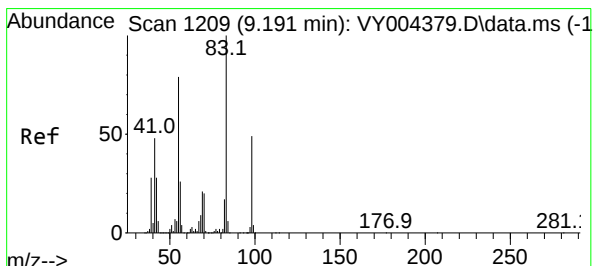
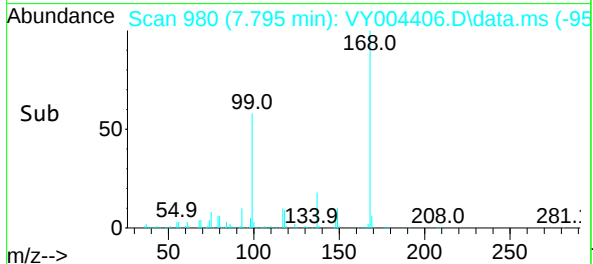
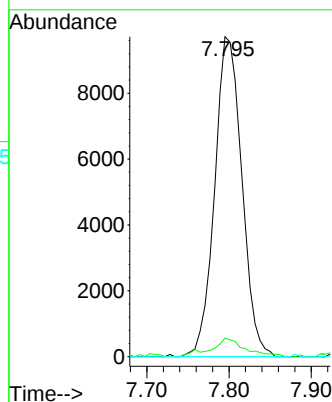
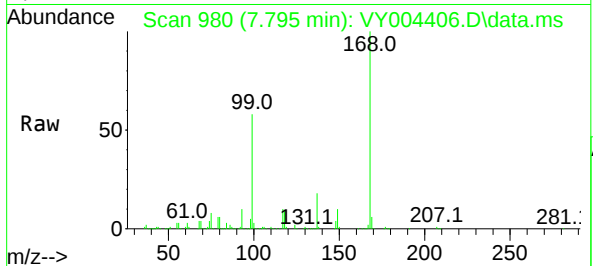




#38
Carbon Tetrachloride
Concen: 6.62 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

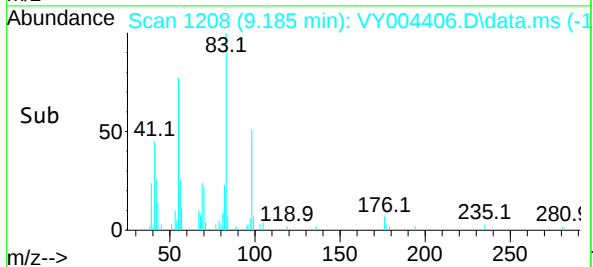
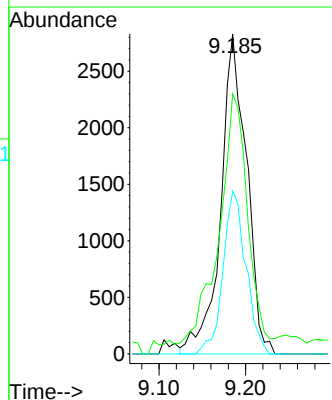
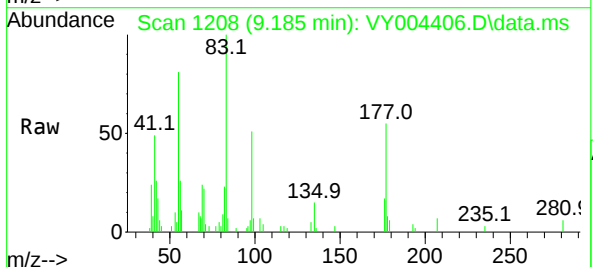
Instrument :
MSVOA_Y
ClientSampled :

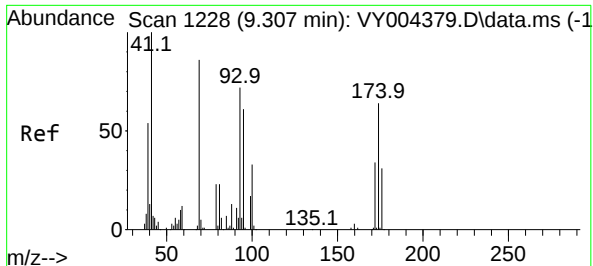
Tgt Ion:117 Resp: 22328
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 25.3 37.9#



#39
Methylcyclohexane
Concen: 1.22 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Tgt Ion: 83 Resp: 5870
Ion Ratio Lower Upper
83 100
55 77.9 63.0 94.4
98 51.0 39.2 58.8

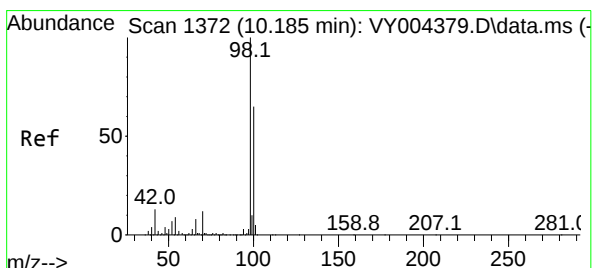
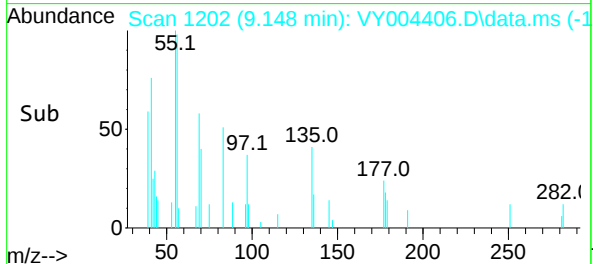
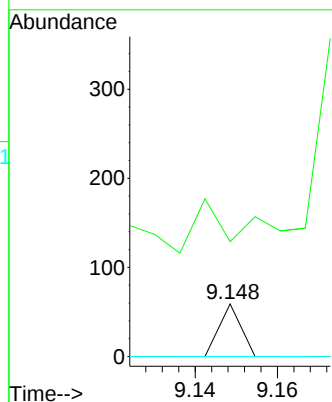
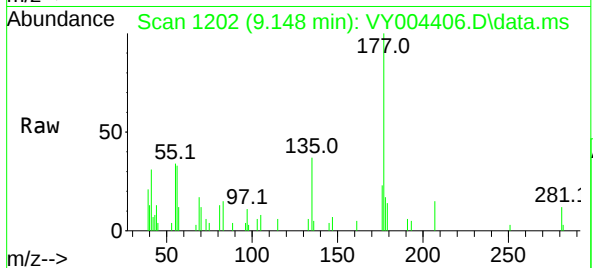




#49
1,4-Dioxane
Concen: 1.09 ug/l
RT: 9.148 min Scan# 1202
Delta R.T. -0.158 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

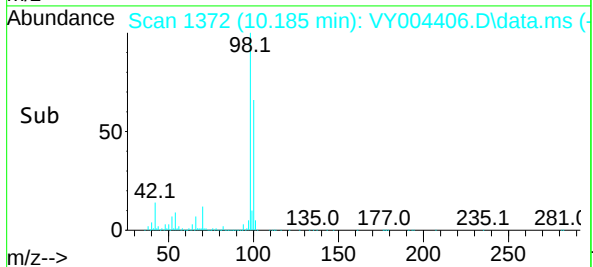
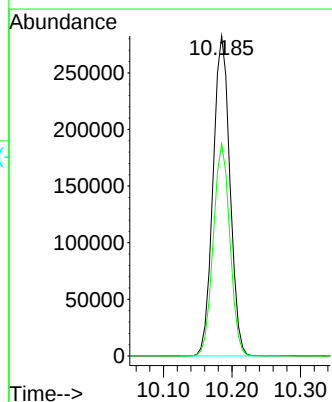
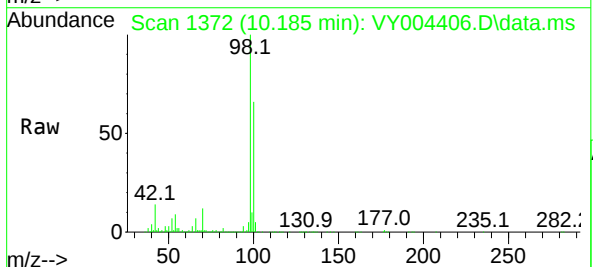
Instrument :
MSVOA_Y
ClientSampleId :

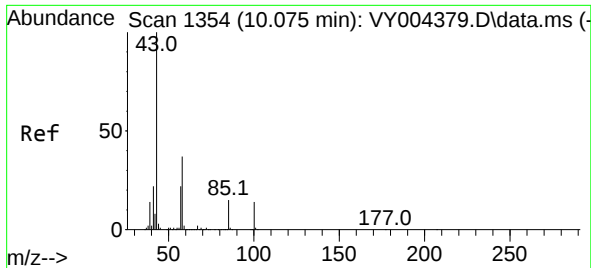
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 1422.7 31.7 47.5#
58 0.0 55.7 83.5#



#50
Toluene-d8
Concen: 52.08 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Tgt Ion: 98 Resp: 482522
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6

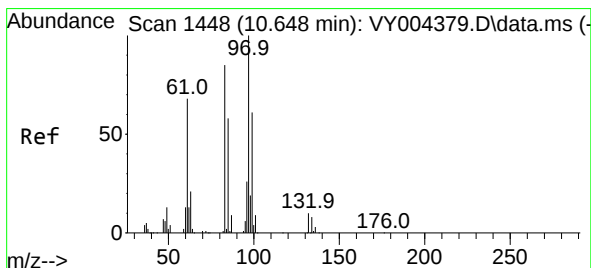
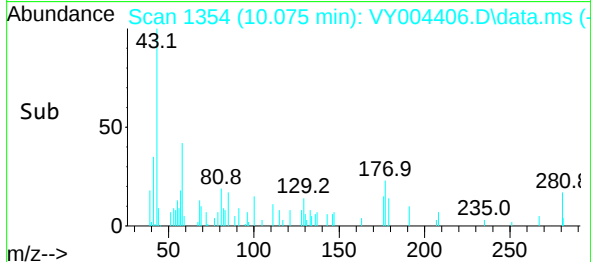
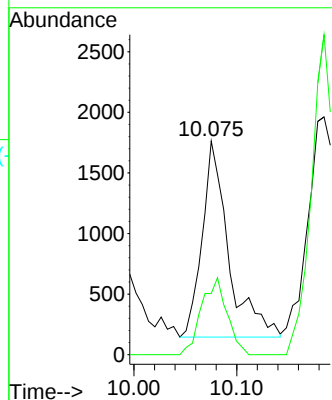
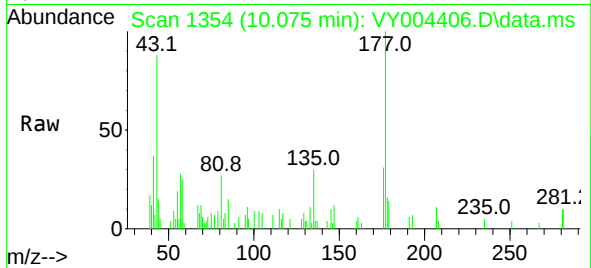




#51
4-Methyl-2-Pentanone
Concen: 1.18 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

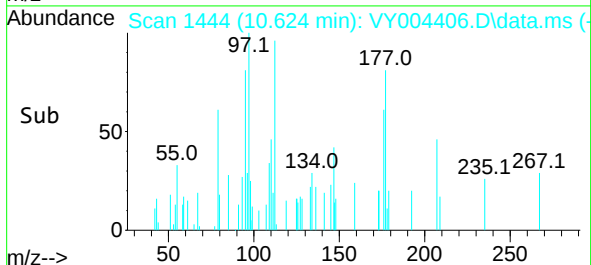
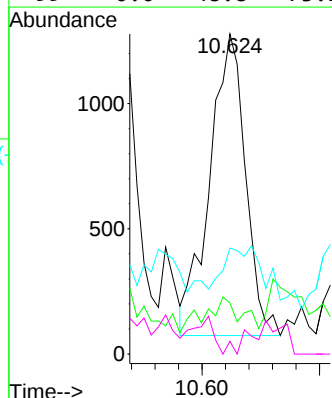
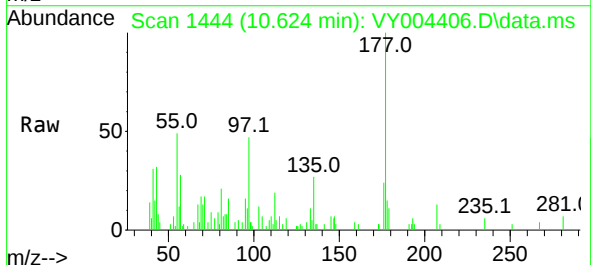
Instrument :
MSVOA_Y
ClientSampled :

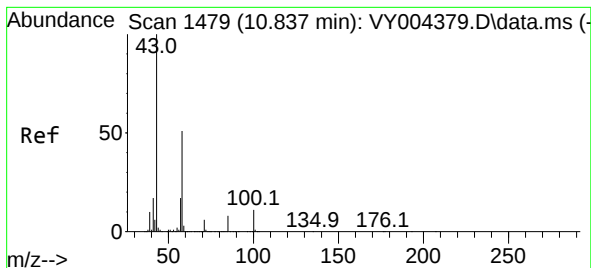
Tgt Ion: 43 Resp: 2895
Ion Ratio Lower Upper
43 100
58 37.9 29.2 43.8



#55
1,1,2-Trichloroethane
Concen: 1.20 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Tgt Ion: 97 Resp: 2553
Ion Ratio Lower Upper
97 100
83 9.9 68.4 102.6#
85 17.2 46.2 69.4#
99 0.0 48.8 73.2#

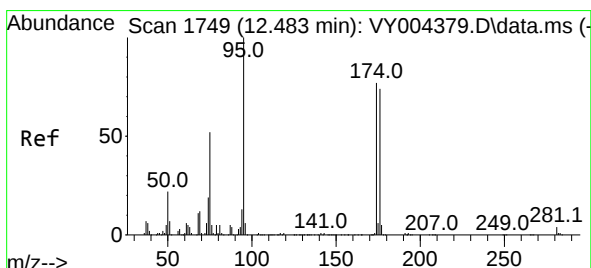
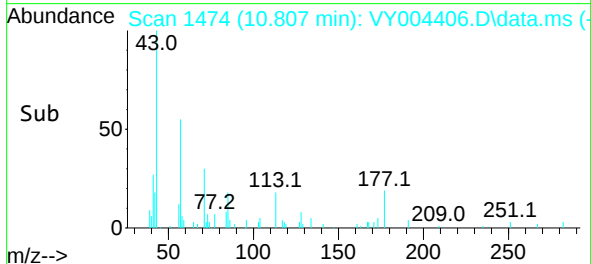
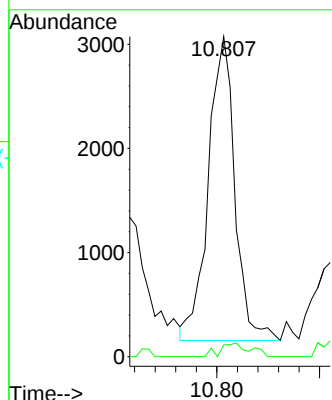
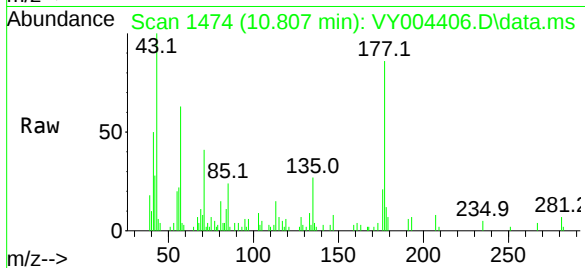




#59
2-Hexanone
Concen: 3.19 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

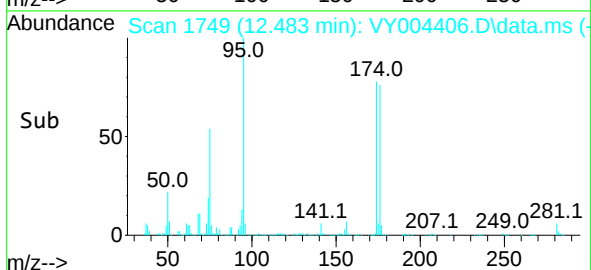
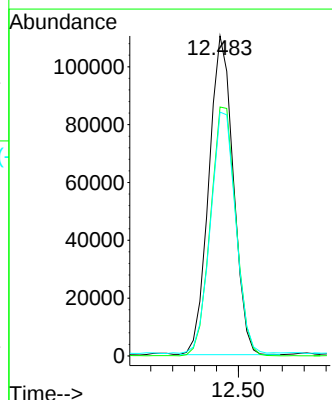
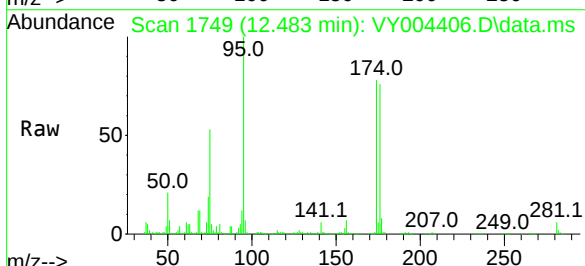
Instrument :
MSVOA_Y
ClientSampled :

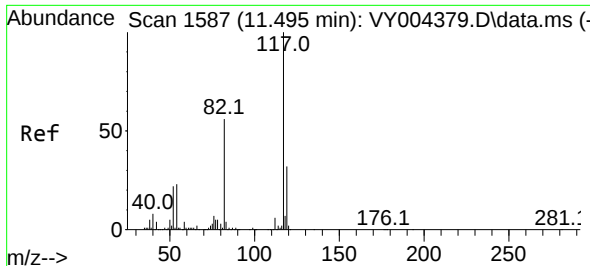
Tgt Ion: 43 Resp: 5233
Ion Ratio Lower Upper
43 100
58 5.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 54.25 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Tgt Ion: 95 Resp: 170558
Ion Ratio Lower Upper
95 100
174 80.9 0.0 162.4
176 78.1 0.0 156.0

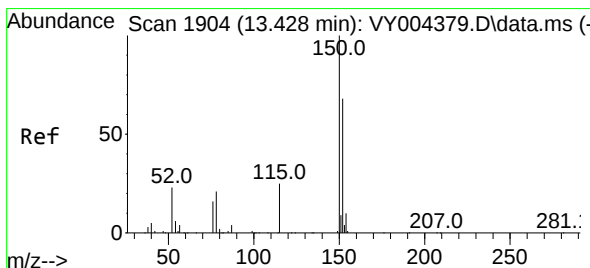
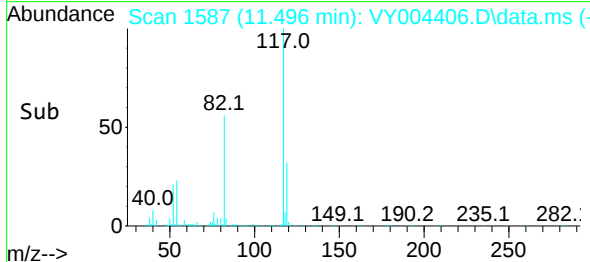
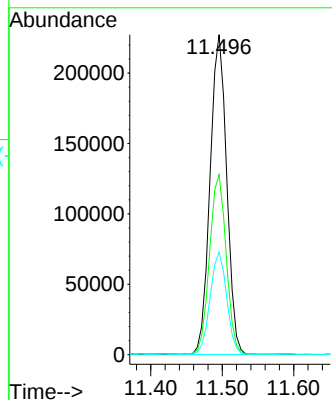
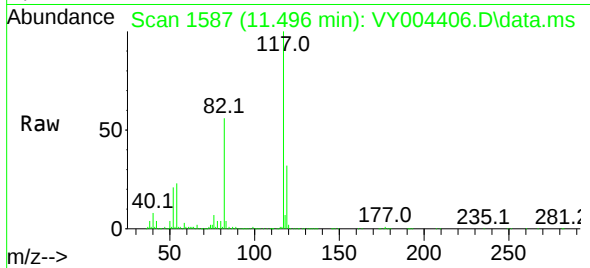




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

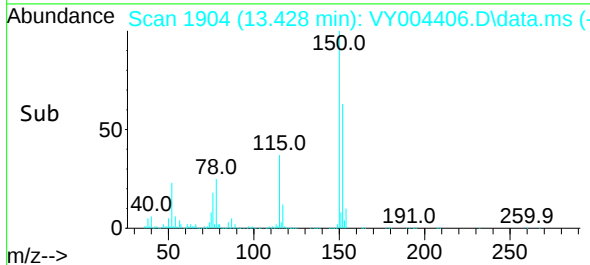
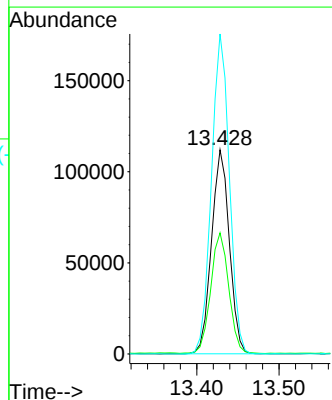
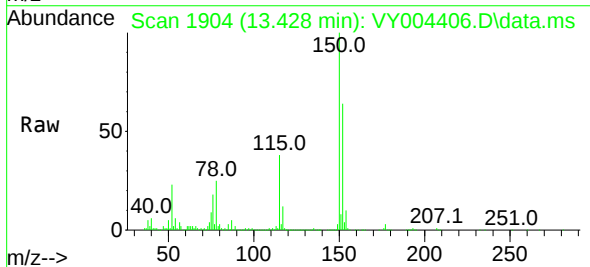
Instrument :
MSVOA_Y
ClientSampled :

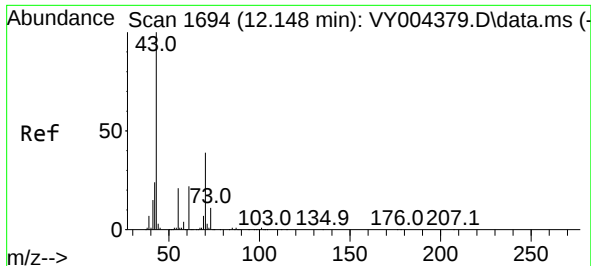
Tgt Ion:117 Resp: 366477
Ion Ratio Lower Upper
117 100
82 56.1 44.9 67.3
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Tgt Ion:152 Resp: 169034
Ion Ratio Lower Upper
152 100
115 59.7 29.6 88.8
150 157.3 0.0 348.4

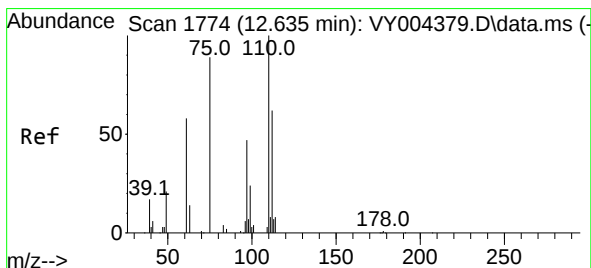
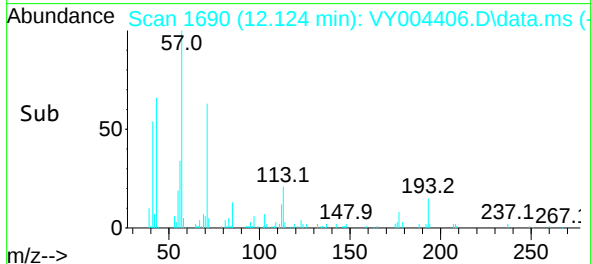
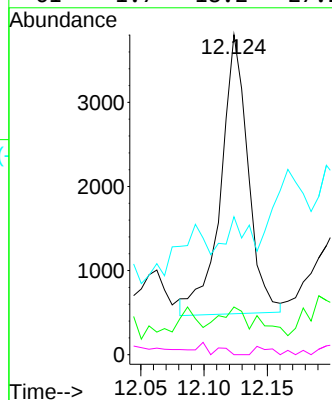
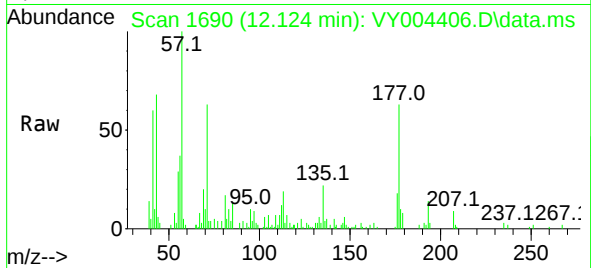




#74
N-amy1 acetate
Concen: 1.13 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

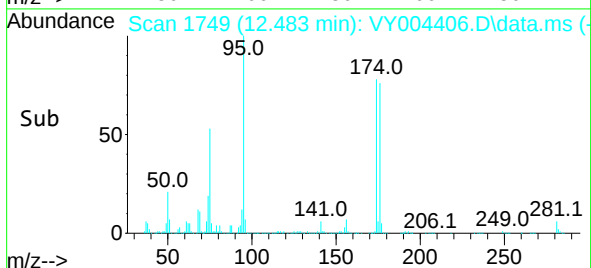
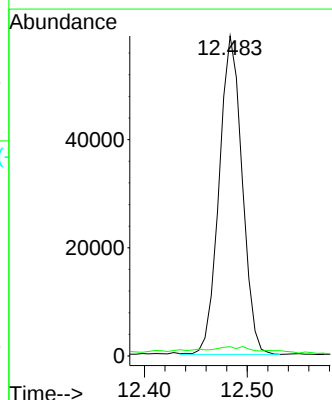
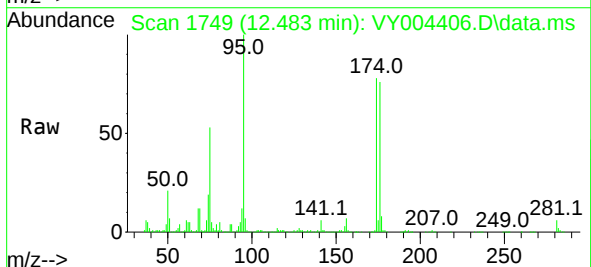
Instrument :
MSVOA_Y
ClientSampled :

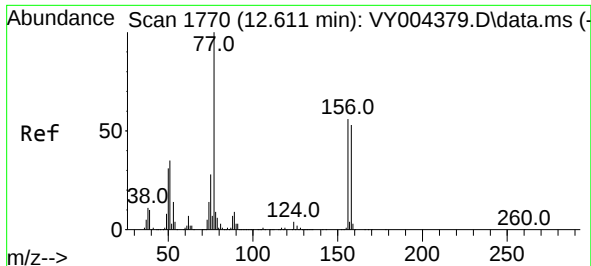
Tgt Ion: 43	Resp: 4970
Ion Ratio	Lower Upper
43 100	
70 13.9	30.4 45.6#
55 18.2	17.4 26.0
61 1.7	18.2 27.2#



#76
1,2,3-Trichloropropane
Concen: 50.44 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Tgt Ion: 75	Resp: 91506
Ion Ratio	Lower Upper
75 100	
77 1.8	0.0 0.0#

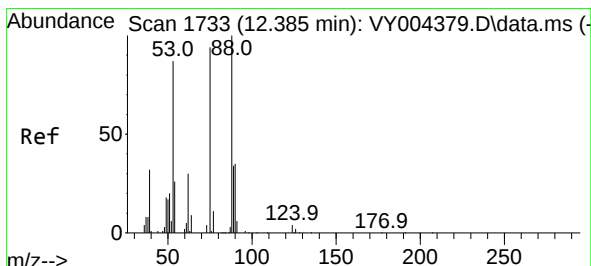
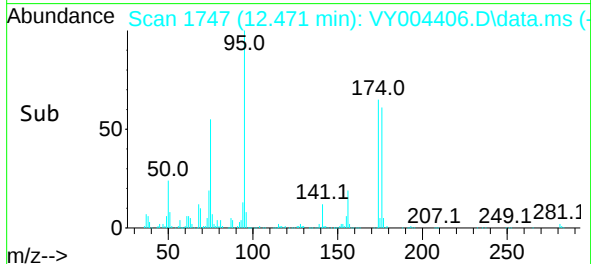
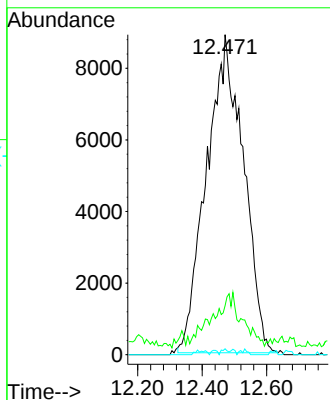
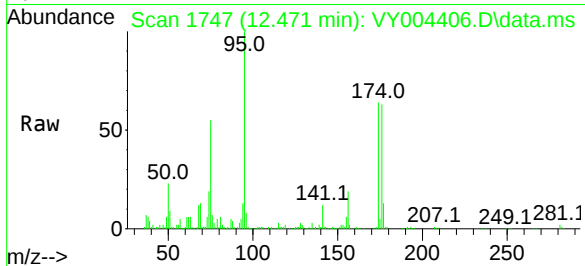




#77
Bromobenzene
Concen: 24.07 ug/l
RT: 12.471 min Scan# 1747
Delta R.T. -0.140 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

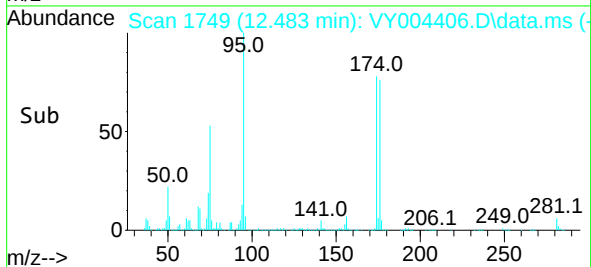
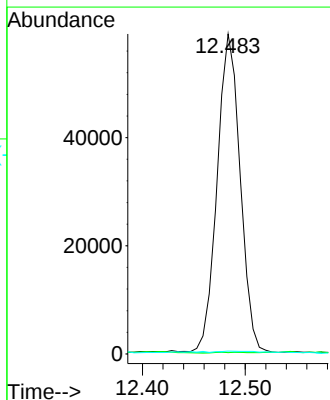
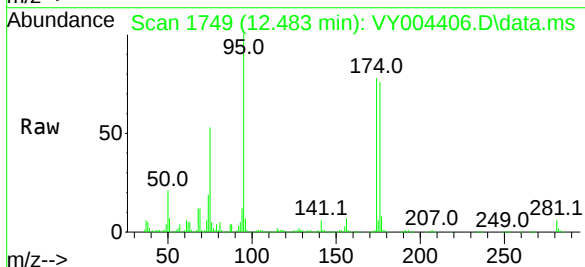
Instrument :
MSVOA_Y
ClientSampled :

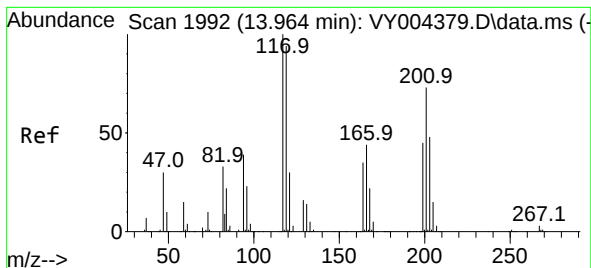
Tgt Ion	Ratio	Lower	Upper
156	100		
77	0.0	98.6	295.7#
158	0.3	48.4	145.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.23 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	75.0	112.6#
89	1.7	36.1	54.1#

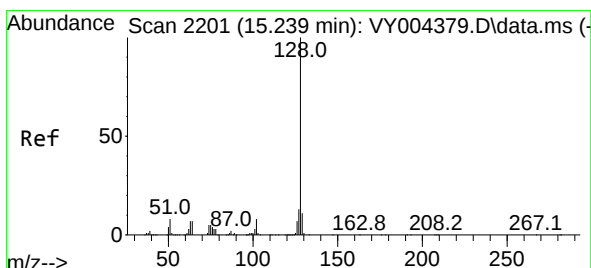
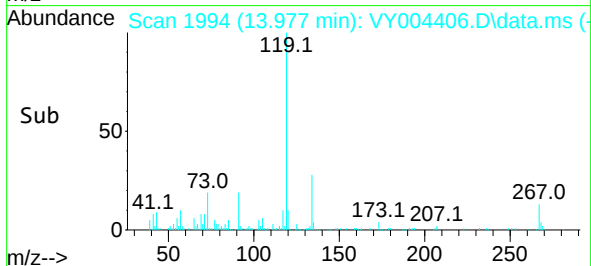
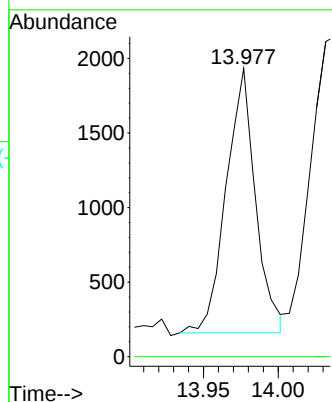
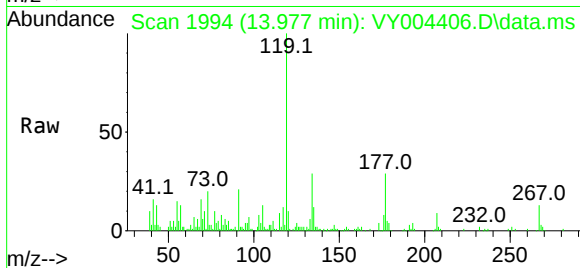




#90
Hexachloroethane
Concen: 1.57 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:117 Resp: 2424
Ion Ratio Lower Upper
117 100
201 0.0 36.6 109.9#



#95
Naphthalene
Concen: 4.09 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004406.D
Acq: 13 Apr 2021 13:35

Tgt Ion:128 Resp: 28536
Ion Ratio Lower Upper
128 100
127 14.6 10.2 15.2
129 11.3 8.8 13.2

