

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041321\
 Data File : VY004405.D
 Acq On : 13 Apr 2021 13:12
 Operator : SY/MD
 Sample : M2020-03
 Misc : 7.65G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 14 01:25:20 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)

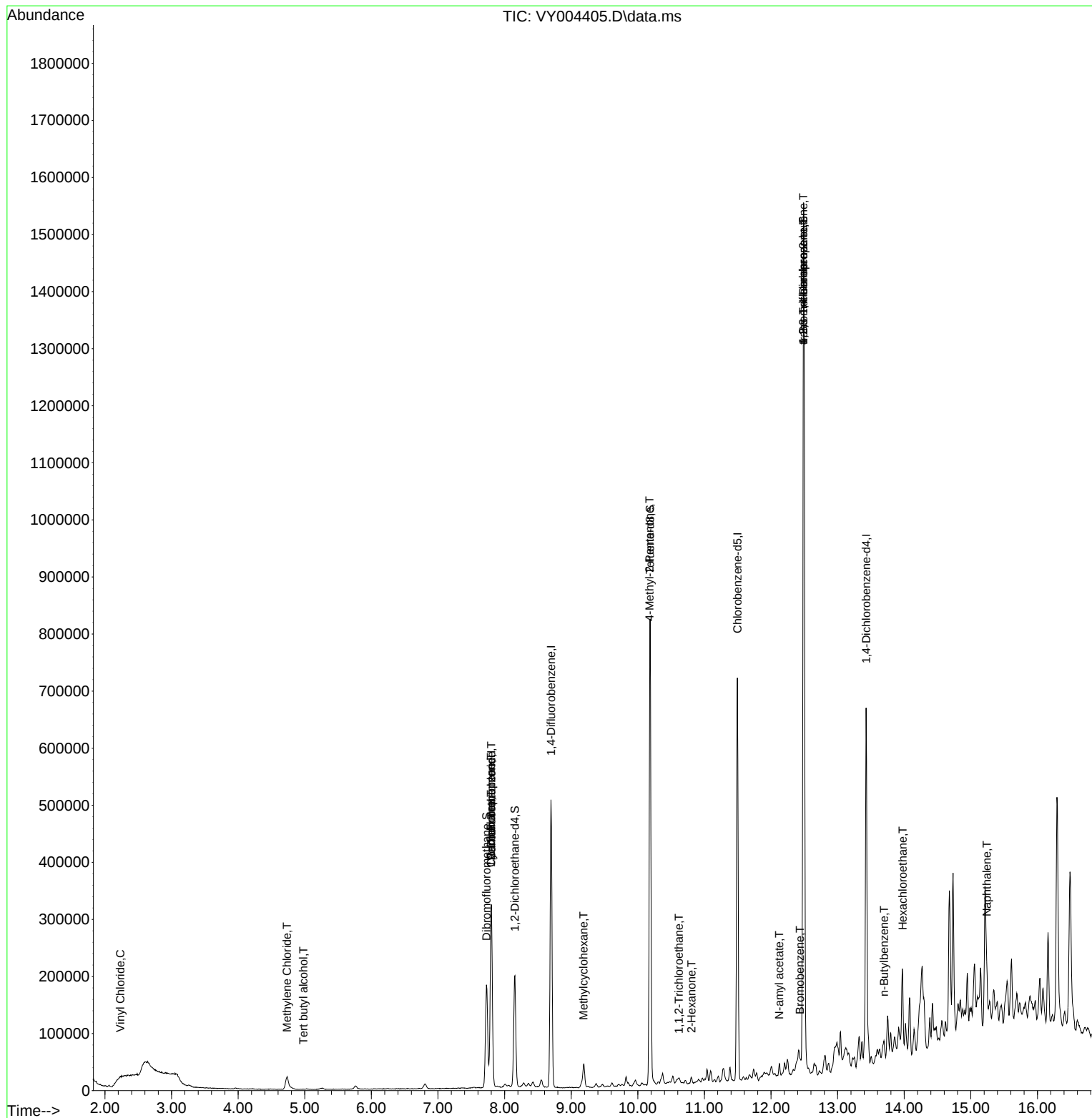
Internal Standards						
1) Pentafluorobenzene	7.801	168	235606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	412838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	370716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	148889	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	150142	57.36	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.72%			
35) Dibromofluoromethane	7.728	113	126575	55.25	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.50%			
50) Toluene-d8	10.185	98	507560	52.08	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.16%			
62) 4-Bromofluorobenzene	12.483	95	168680	51.01	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.02%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.229	62	9014	2.70	ug/l #	43
11) Tert butyl alcohol	4.979	59	290	1.12	ug/l #	73
16) Acetone	3.966	43	2677	Below Cal		91
20) Methylene Chloride	4.735	84	15343	6.07	ug/l	94
31) Cyclohexane	7.795	56	12905	2.69	ug/l #	60
36) 1,1-Dichloropropene	7.795	75	19662	4.79	ug/l #	51
38) Carbon Tetrachloride	7.801	117	23760	6.70	ug/l #	17
39) Methylcyclohexane	9.185	83	17086	3.38	ug/l	93
51) 4-Methyl-2-Pentanone	10.179	43	3443	1.34	ug/l #	1
55) 1,1,2-Trichloroethane	10.618	97	3238	1.45	ug/l #	18
59) 2-Hexanone	10.807	43	4755	2.76	ug/l #	32
74) N-amyl acetate	12.124	43	5406	1.40	ug/l #	68
76) 1,2,3-Trichloropropane	12.483	75	98949	61.92	ug/l #	100
77) Bromobenzene	12.435	156	20255	7.85	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	98949	110.77	ug/l #	14
89) n-Butylbenzene	13.696	91	11723	1.21	ug/l #	87
90) Hexachloroethane	13.977	117	4669	3.43	ug/l #	13
95) Naphthalene	15.239	128	75552	12.29	ug/l #	95

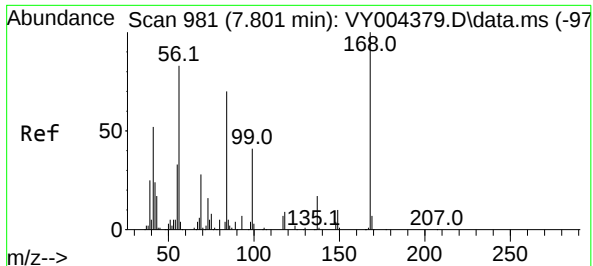
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

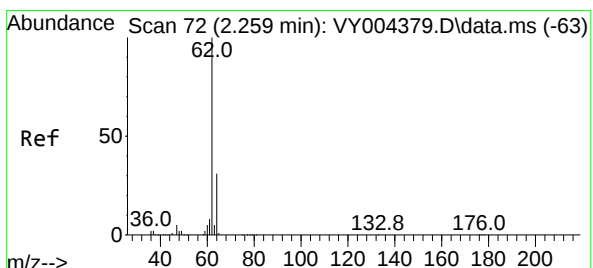
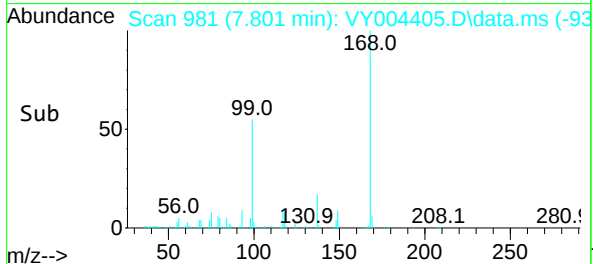
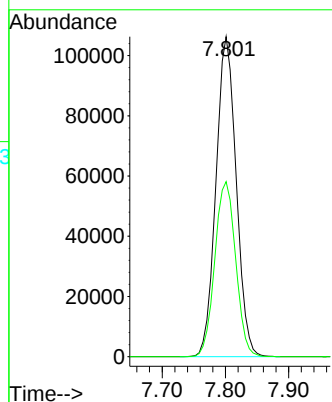
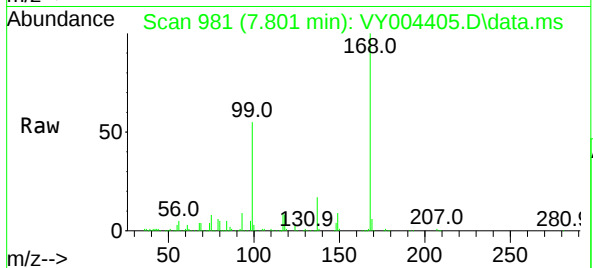




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

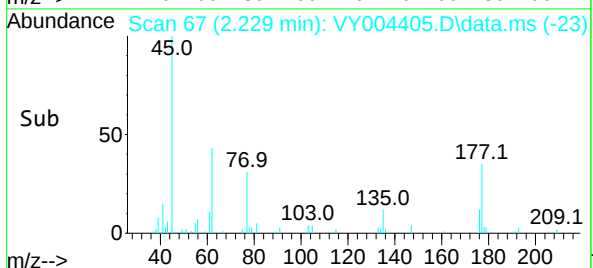
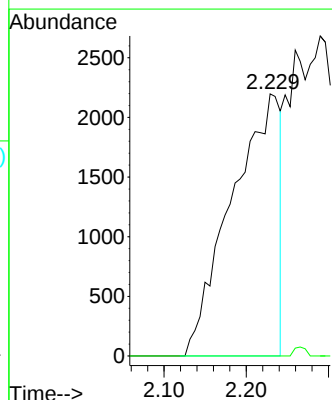
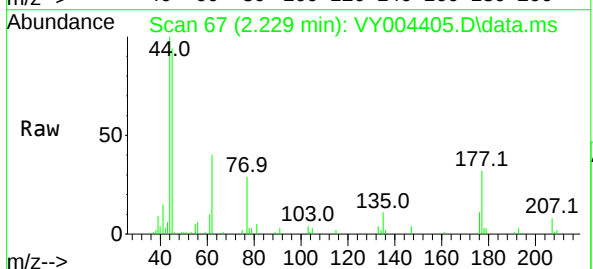
Instrument :
MSVOA_Y
ClientSampled :

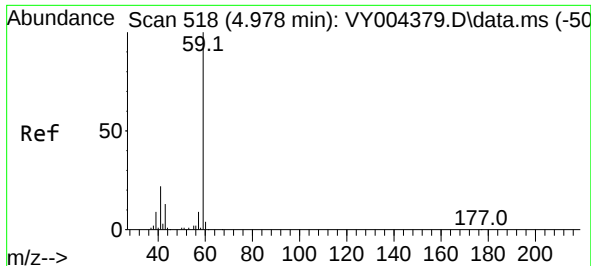
Tgt Ion:168 Resp: 235606
Ion Ratio Lower Upper
168 100
99 54.7 45.5 68.3



#4
Vinyl Chloride
Concen: 2.70 ug/l
RT: 2.229 min Scan# 67
Delta R.T. -0.030 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

Tgt Ion: 62 Resp: 9014
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#

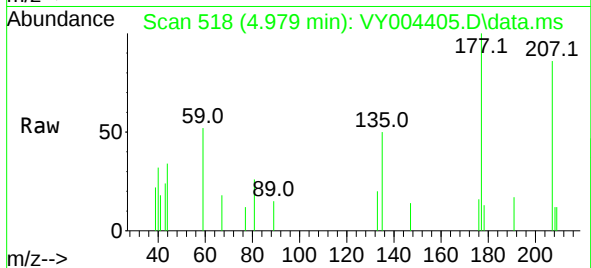




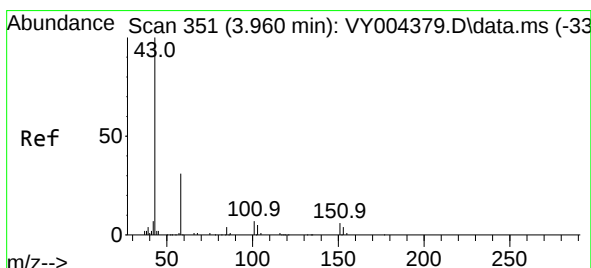
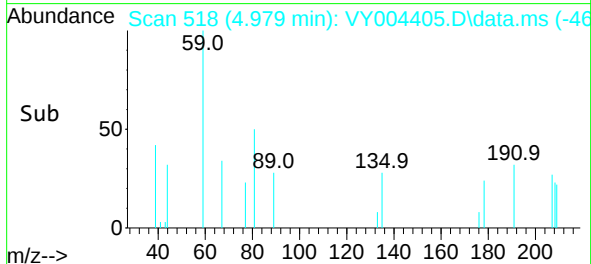
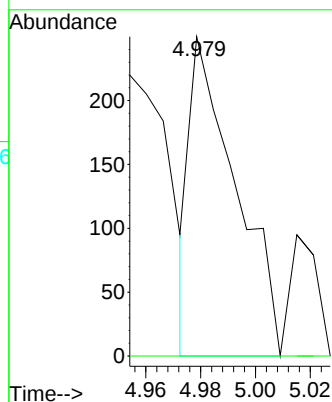
#11

Tert butyl alcohol
Concen: 1.12 ug/l
RT: 4.979 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

Instrument :
MSVOA_Y
ClientSampled :



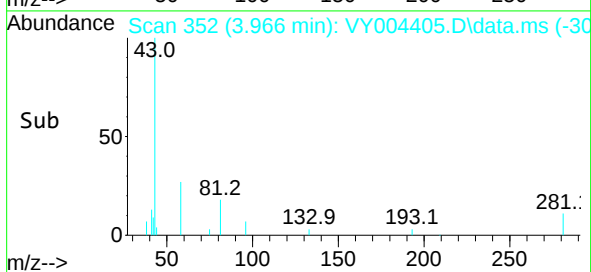
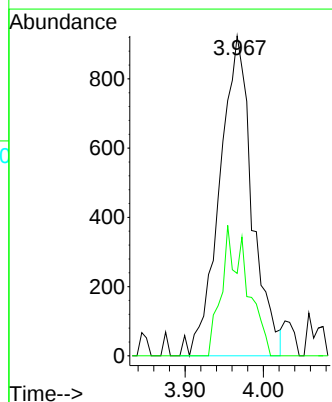
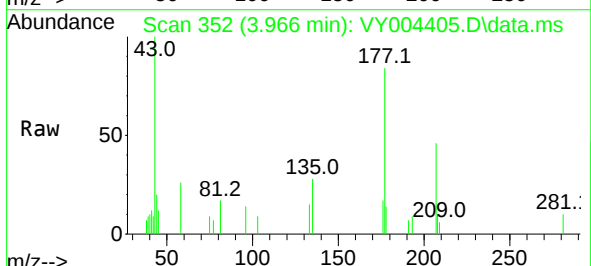
Tgt Ion: 59 Resp: 290
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

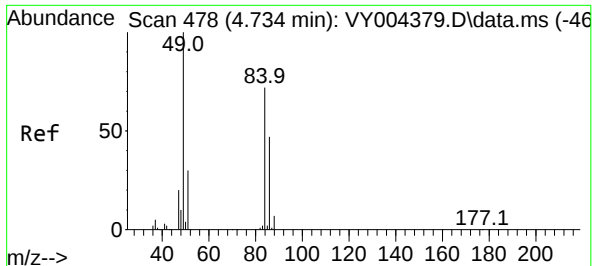


#16

Acetone
Concen: Below Cal
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

Tgt Ion: 43 Resp: 2677
Ion Ratio Lower Upper
43 100
58 25.8 24.6 37.0





#20

Methylene Chloride

Concen: 6.07 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.000 min

Lab File: VY004405.D

Acq: 13 Apr 2021 13:12

Tgt Ion: 84 Resp: 15343

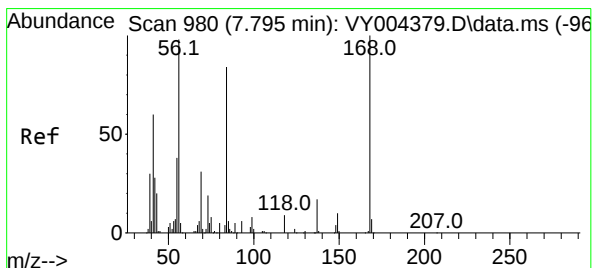
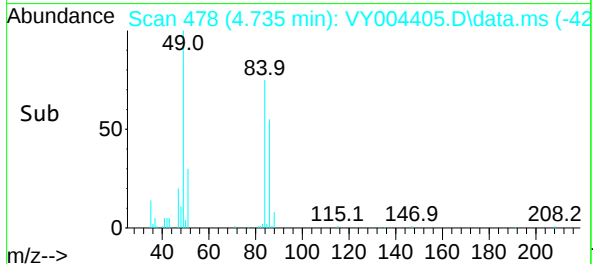
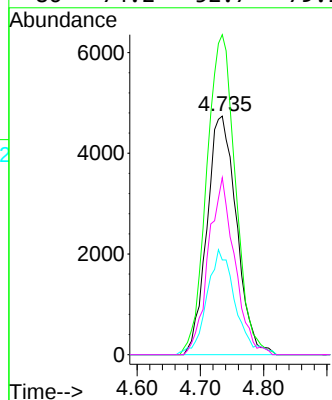
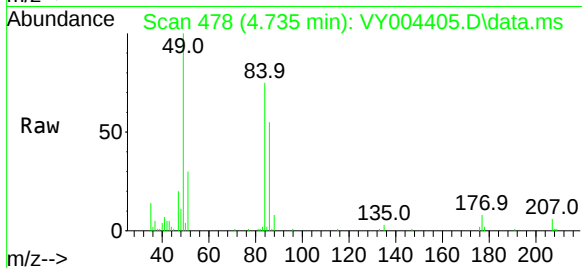
Ion Ratio Lower Upper

84 100

49 134.2 111.2 166.8

51 39.7 33.4 50.2

86 74.2 52.7 79.1



#31

Cyclohexane

Concen: 2.69 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY004405.D

Acq: 13 Apr 2021 13:12

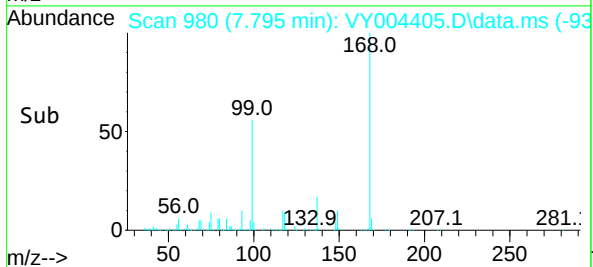
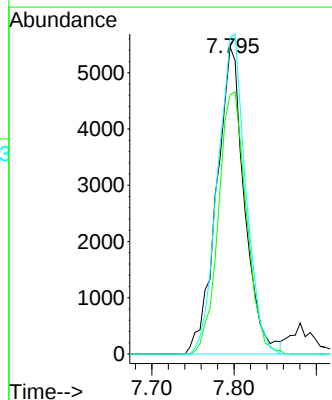
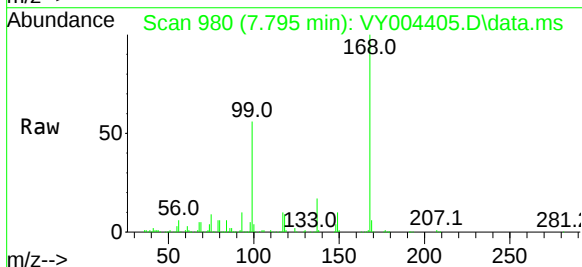
Tgt Ion: 56 Resp: 12905

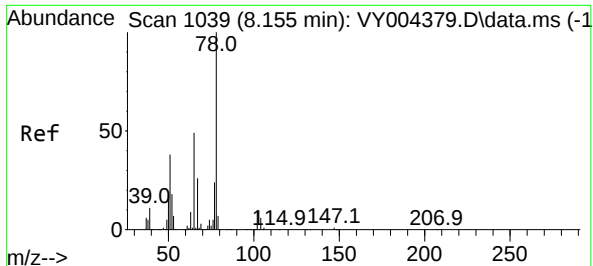
Ion Ratio Lower Upper

56 100

69 84.4 25.8 38.6#

84 103.0 68.2 102.4#

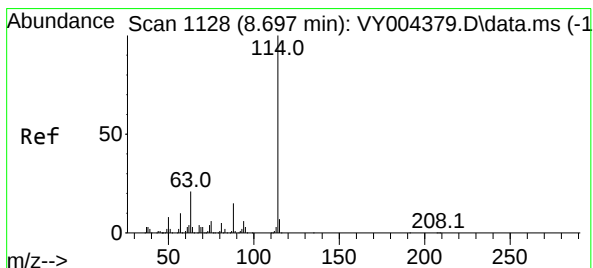
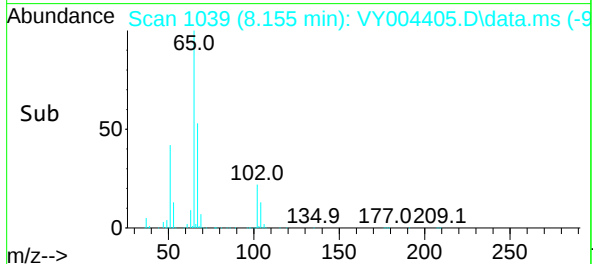
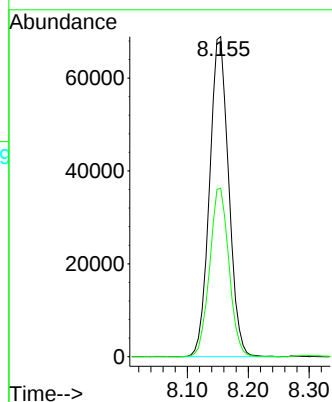
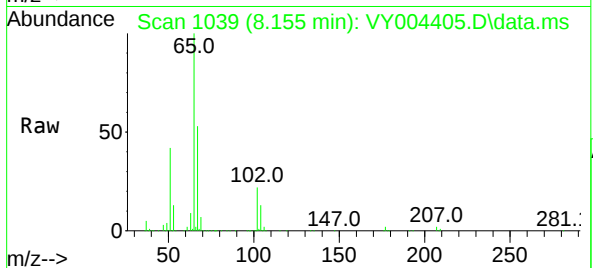




#33
1,2-Dichloroethane-d4
Concen: 57.36 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

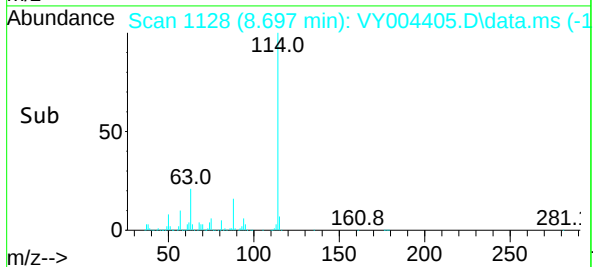
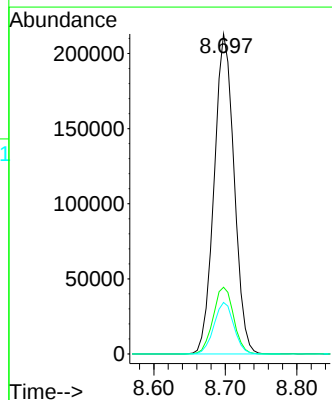
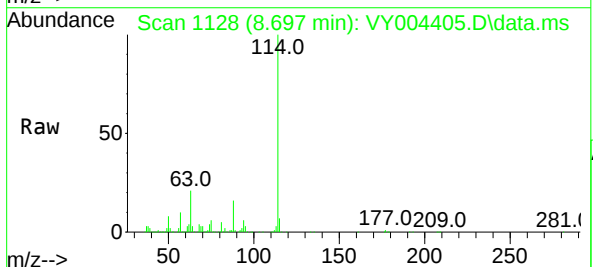
Instrument :
MSVOA_Y
ClientSampleId :

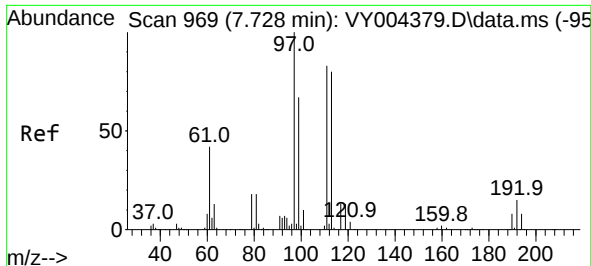
Tgt Ion: 65 Resp: 150142
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

Tgt Ion: 114 Resp: 412838
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.4
88 16.1 0.0 30.8

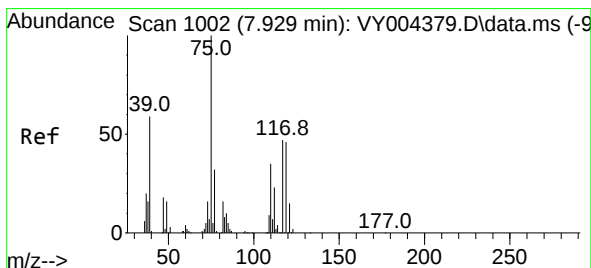
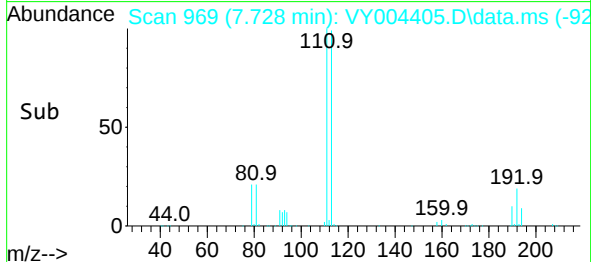
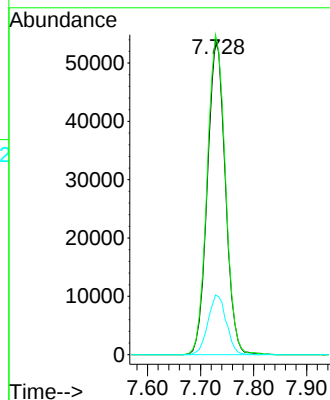
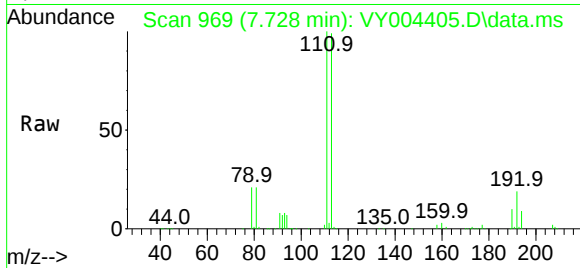




#35
Dibromofluoromethane
Concen: 55.25 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

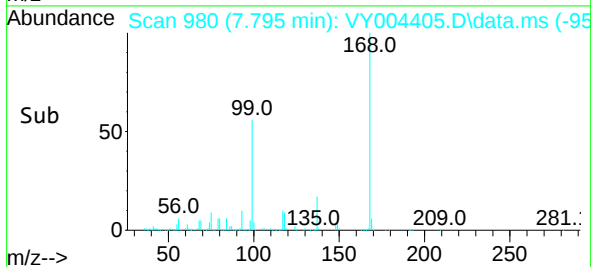
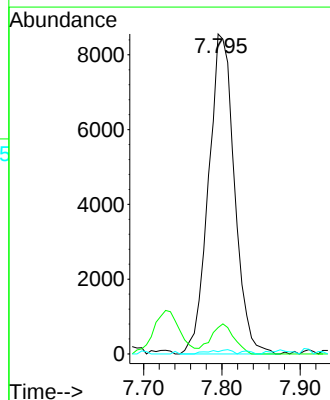
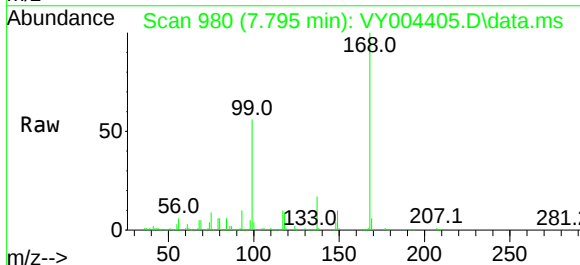
Instrument :
MSVOA_Y
ClientSampleId :

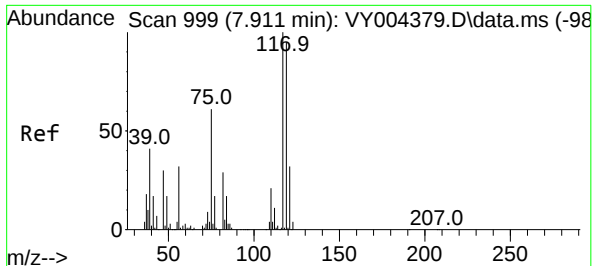
Tgt Ion:113 Resp: 126575
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 19.3 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.79 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

Tgt Ion: 75 Resp: 19662
Ion Ratio Lower Upper
75 100
110 8.3 17.3 51.7#
77 1.1 24.3 36.5#

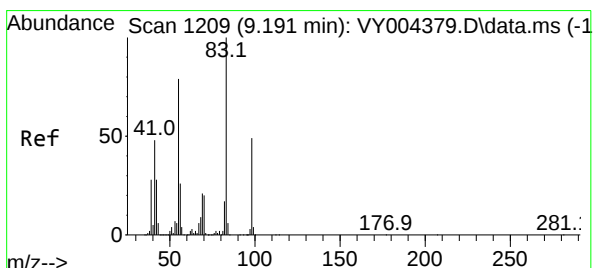
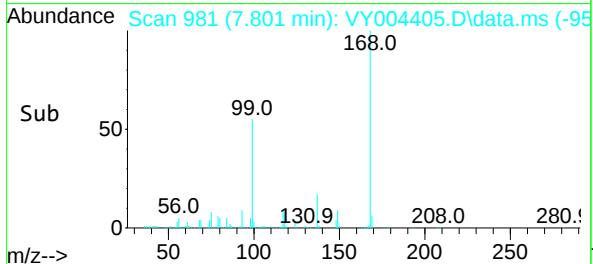
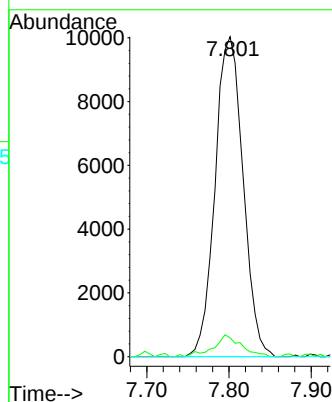
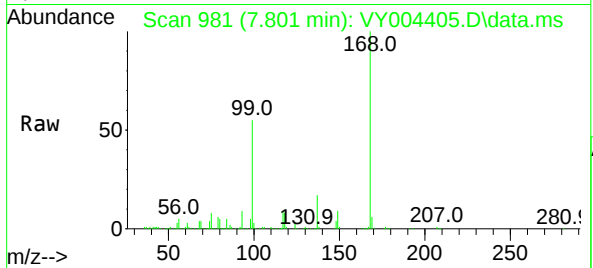




#38
Carbon Tetrachloride
Concen: 6.70 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.109 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

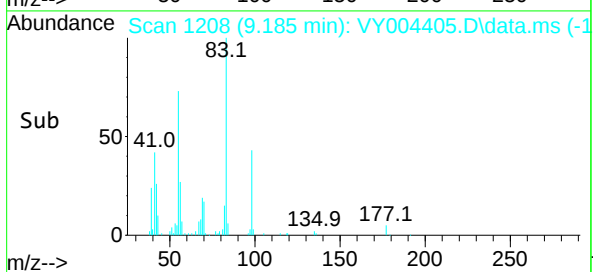
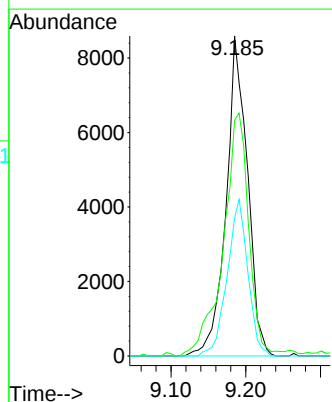
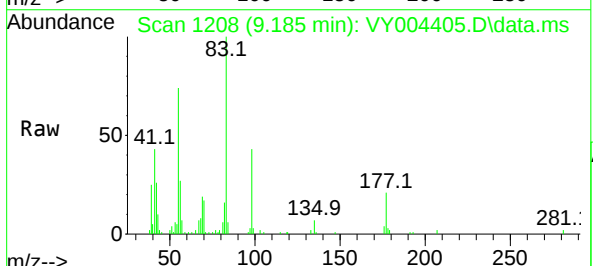
Instrument :
MSVOA_Y
ClientSampled :

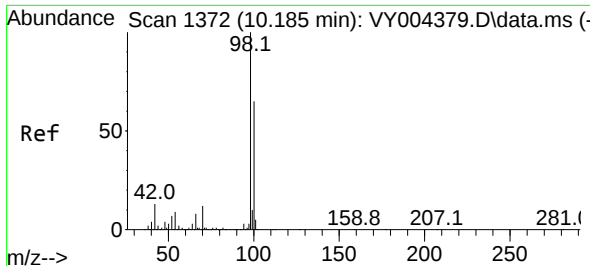
Tgt Ion:117 Resp: 23760
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 25.3 37.9#



#39
Methylcyclohexane
Concen: 3.38 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

Tgt Ion: 83 Resp: 17086
Ion Ratio Lower Upper
83 100
55 73.7 63.0 94.4
98 43.2 39.2 58.8

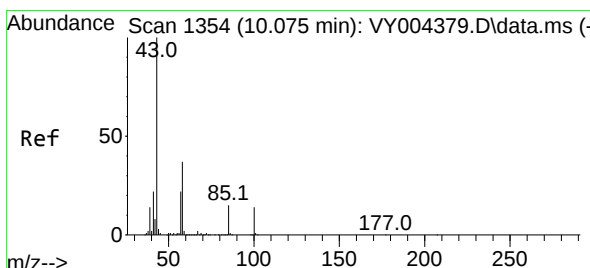
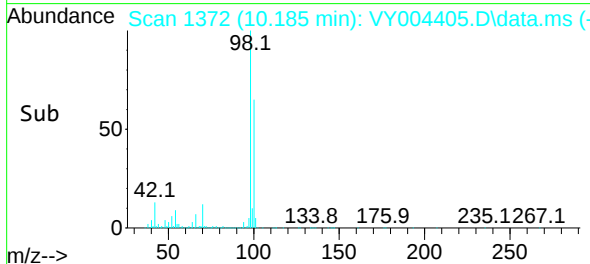
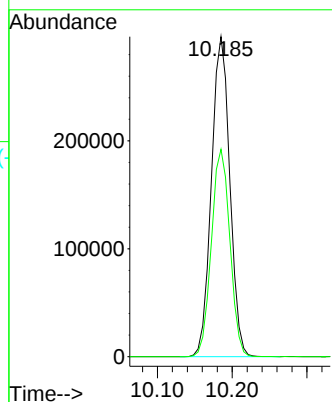
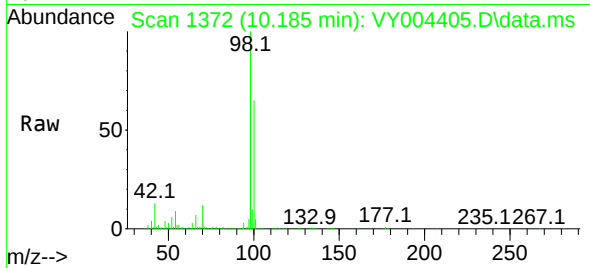




#50
Toluene-d8
Concen: 52.08 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

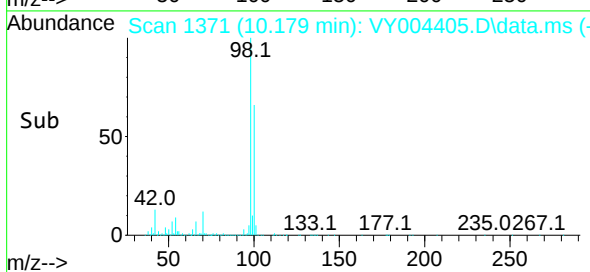
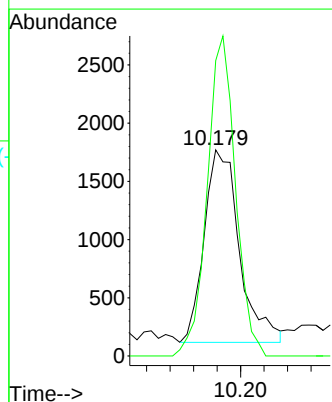
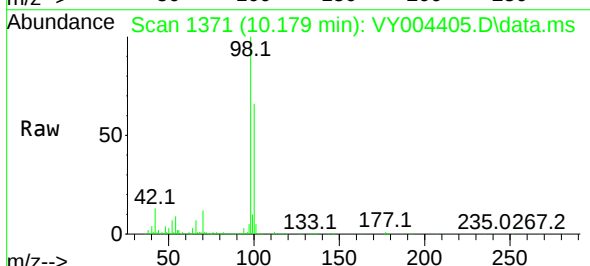
Instrument :
MSVOA_Y
ClientSampled :

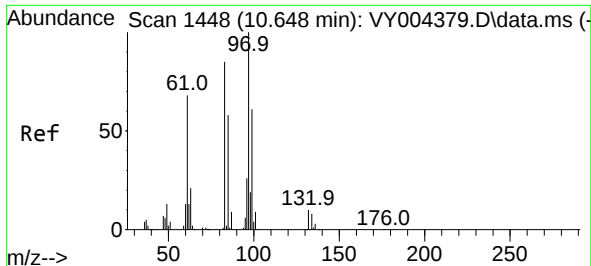
Tgt Ion: 98 Resp: 507560
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.34 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.104 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

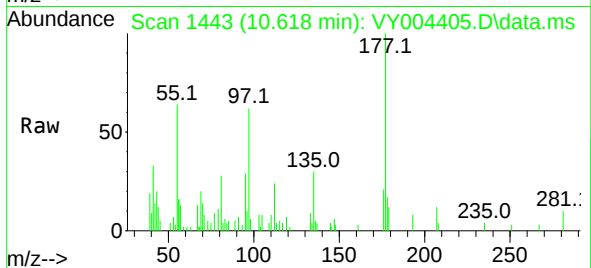
Tgt Ion: 43 Resp: 3443
Ion Ratio Lower Upper
43 100
58 133.1 29.2 43.8#



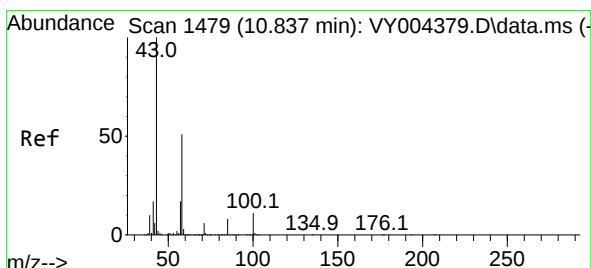
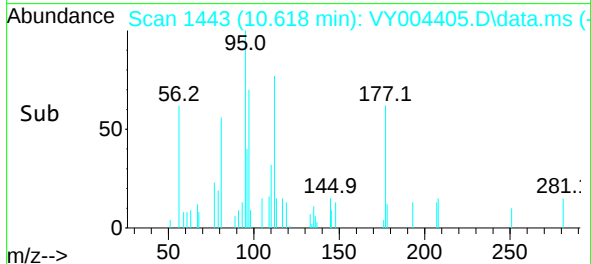
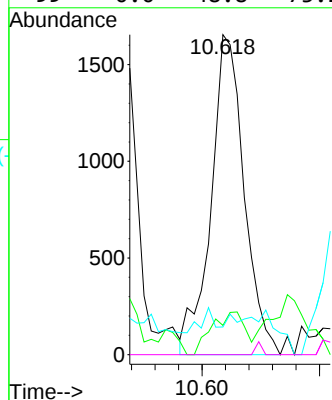


#55
1,1,2-Trichloroethane
Concen: 1.45 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

Instrument :
MSVOA_Y
ClientSampled :

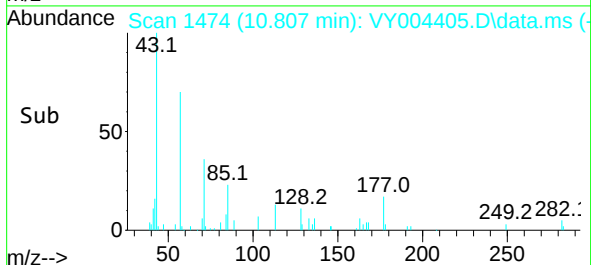
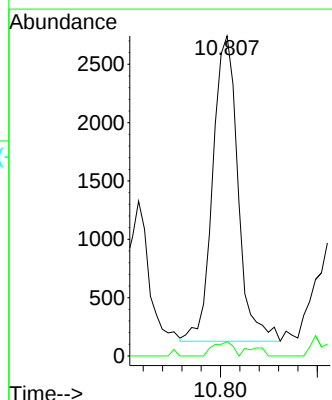
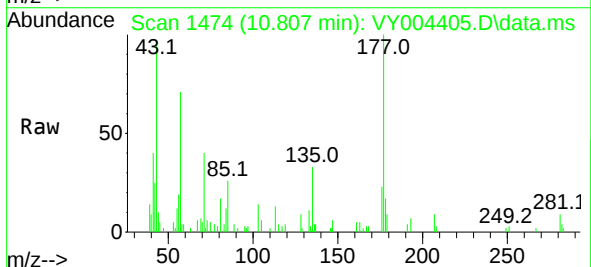


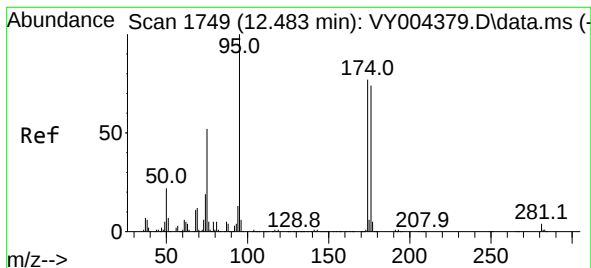
Tgt Ion:	97	Resp:	3238
Ion	Ratio	Lower	Upper
97	100		
83	5.0	68.4	102.6#
85	1.9	46.2	69.4#
99	0.0	48.8	73.2#



#59
2-Hexanone
Concen: 2.76 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

Tgt Ion:	43	Resp:	4755
Ion	Ratio	Lower	Upper
43	100		
58	3.7	25.4	76.4#

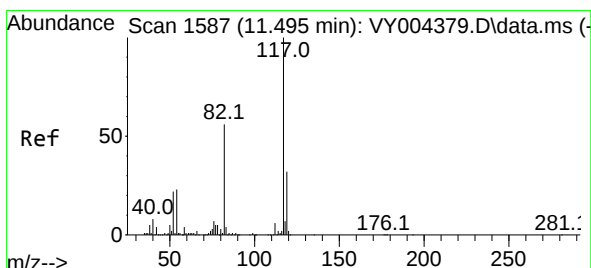
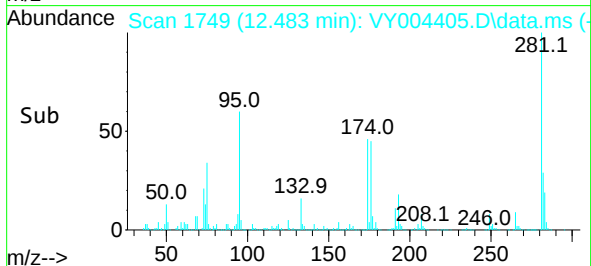
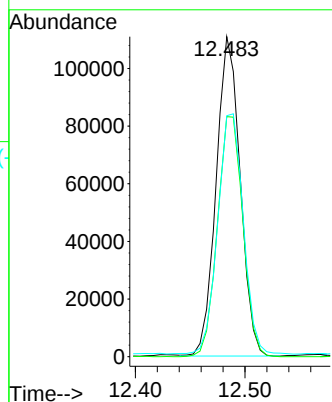
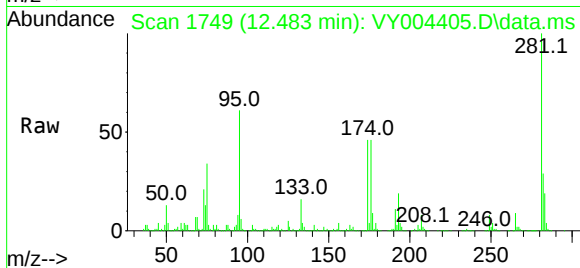




#62
4-Bromofluorobenzene
Concen: 51.01 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

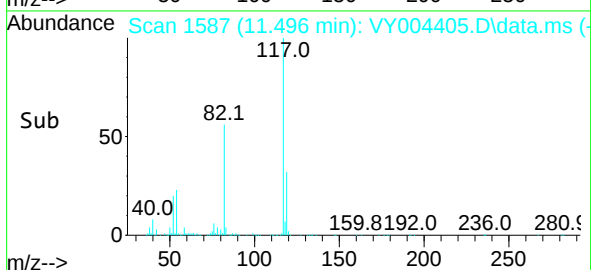
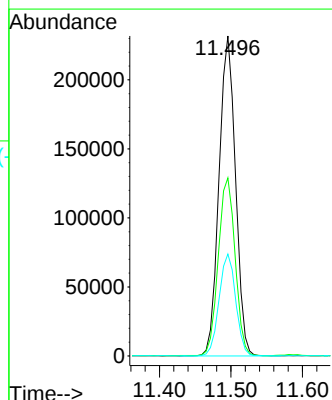
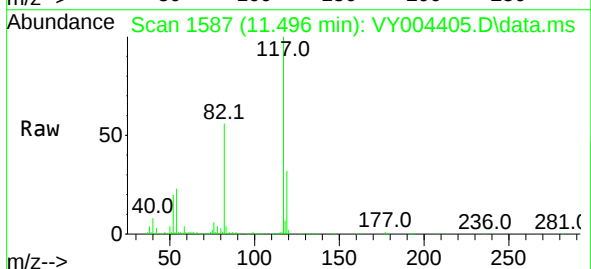
Instrument :
MSVOA_Y
ClientSampleId :

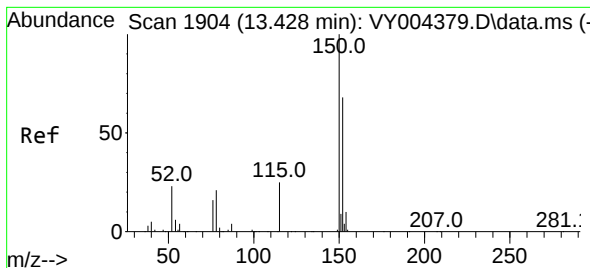
Tgt Ion: 95 Resp: 168680
Ion Ratio Lower Upper
95 100
174 79.5 0.0 162.4
176 80.1 0.0 156.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

Tgt Ion: 117 Resp: 370716
Ion Ratio Lower Upper
117 100
82 55.5 44.9 67.3
119 31.8 25.4 38.0

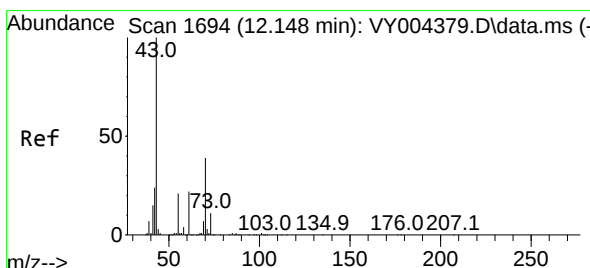
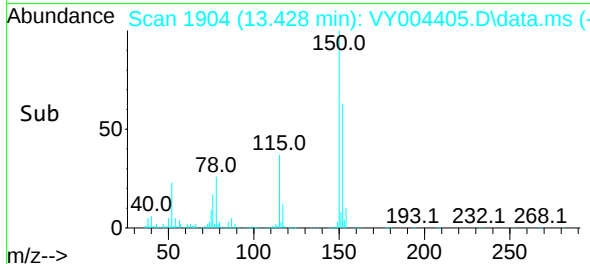
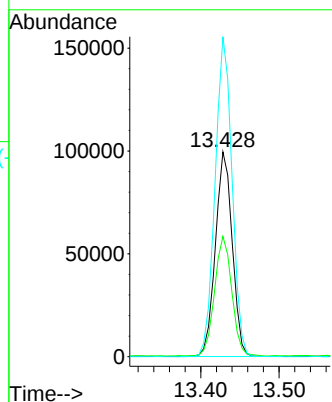
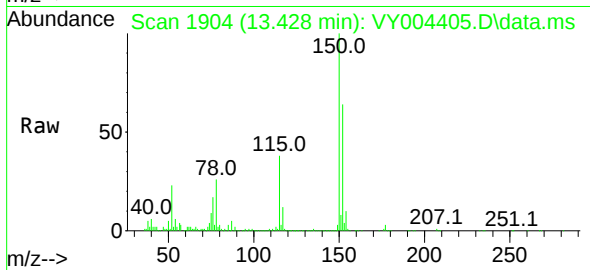




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

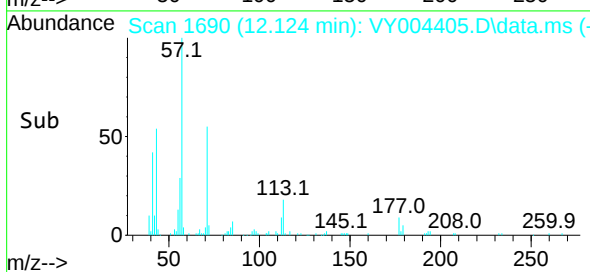
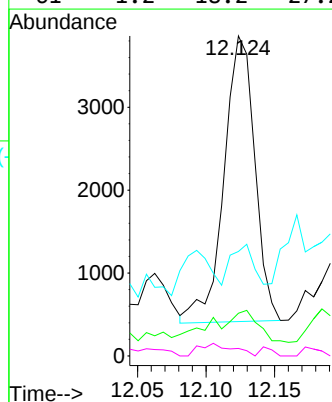
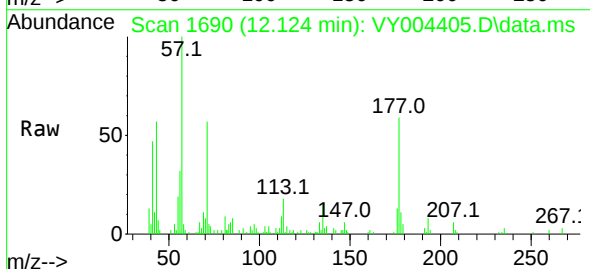
Instrument :
MSVOA_Y
ClientSampled :

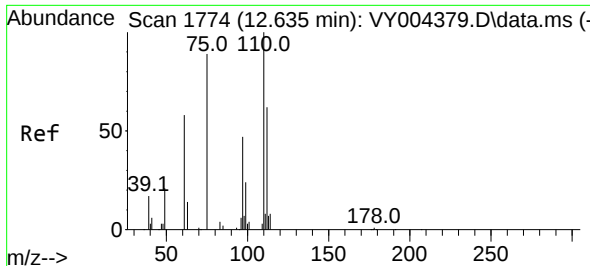
Tgt Ion:152 Resp: 148889
Ion Ratio Lower Upper
152 100
115 59.4 29.6 88.8
150 156.8 0.0 348.4



#74
N-ethyl acetate
Concen: 1.40 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

Tgt Ion: 43 Resp: 5406
Ion Ratio Lower Upper
43 100
70 16.6 30.4 45.6#
55 15.1 17.4 26.0#
61 1.2 18.2 27.2#

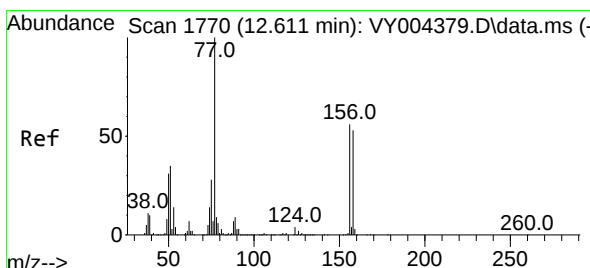
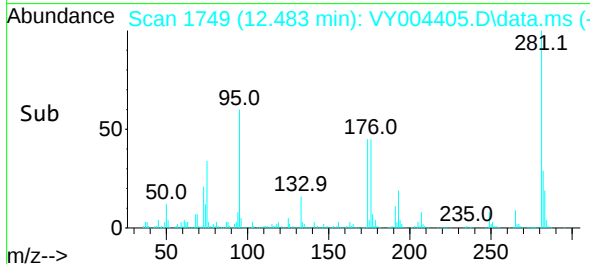
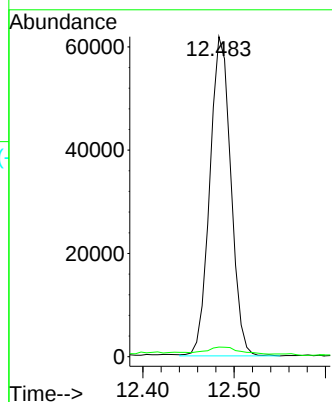
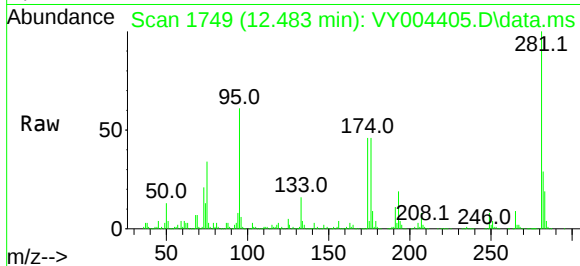




#76
1,2,3-Trichloropropane
Concen: 61.92 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

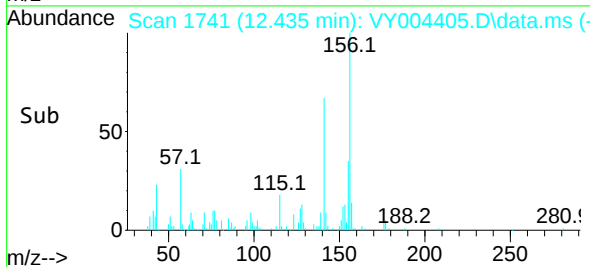
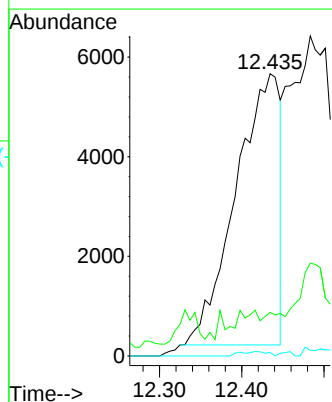
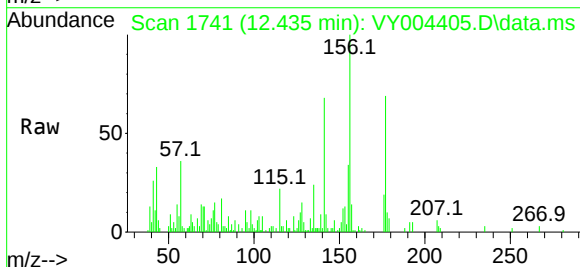
Instrument :
MSVOA_Y
ClientSampled :

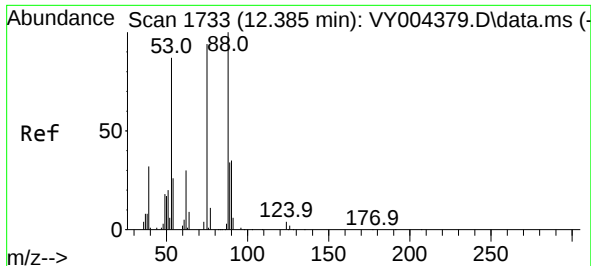
Tgt Ion: 75 Resp: 98949
Ion Ratio Lower Upper
75 100
77 3.5 0.0 0.0#



#77
Bromobenzene
Concen: 7.85 ug/l
RT: 12.435 min Scan# 1741
Delta R.T. -0.177 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

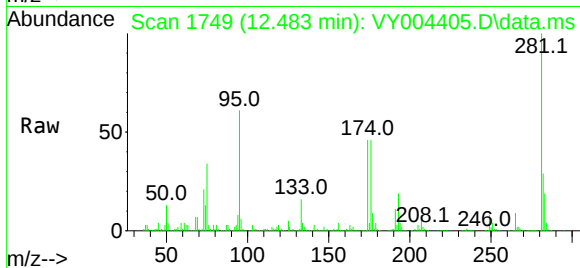
Tgt Ion:156 Resp: 20255
Ion Ratio Lower Upper
156 100
77 2.4 98.6 295.7#
158 0.7 48.4 145.2#



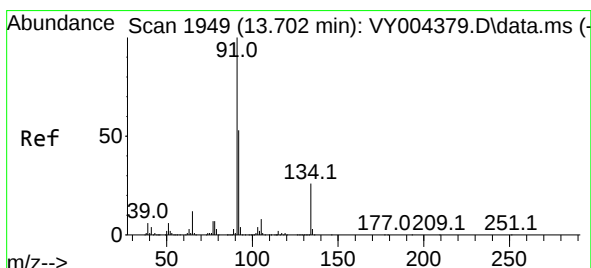
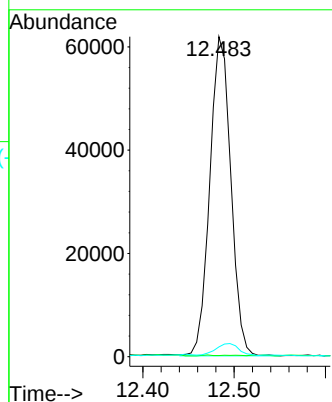
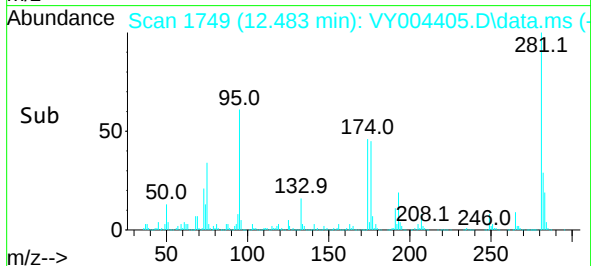


#81
trans-1,4-Dichloro-2-butene
Concen: 110.77 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

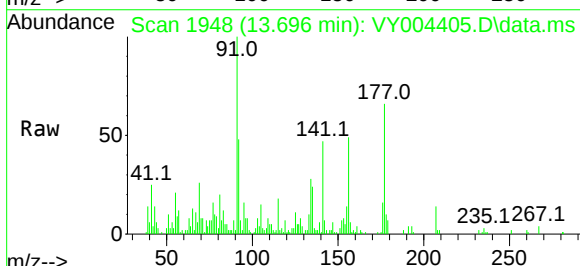
Instrument :
MSVOA_Y
ClientSampled :



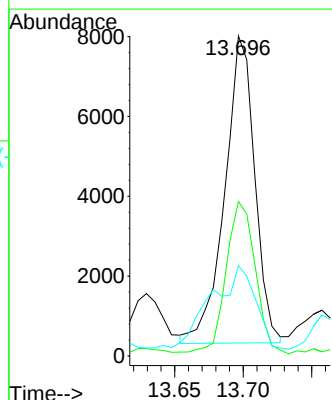
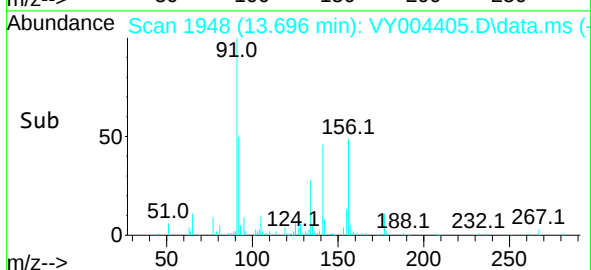
Tgt Ion: 75 Resp: 98949
Ion Ratio Lower Upper
75 100
53 0.1 75.0 112.6#
89 4.3 36.1 54.1#

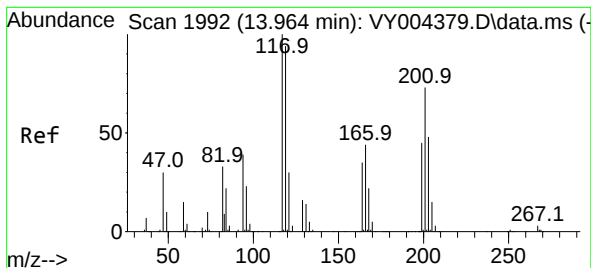


#89
n-Butylbenzene
Concen: 1.21 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12



Tgt Ion: 91 Resp: 11723
Ion Ratio Lower Upper
91 100
92 50.4 26.6 79.8
134 41.2 12.7 38.1#

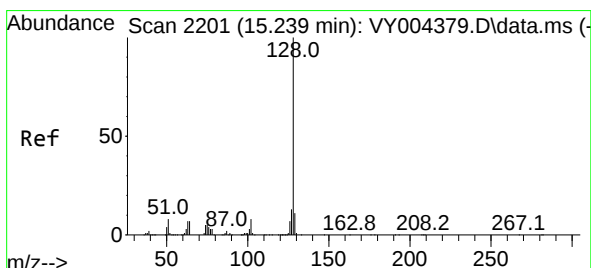
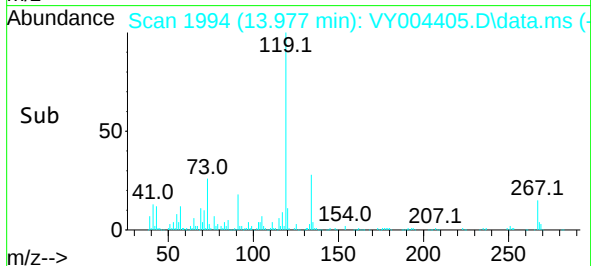
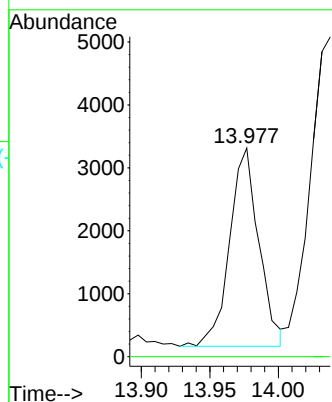
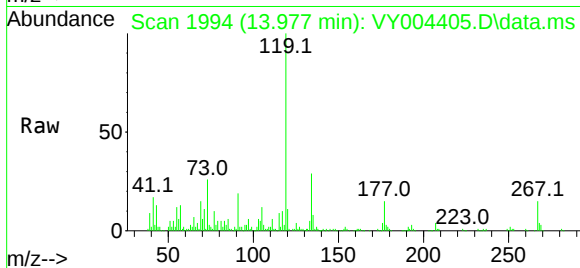




#90
Hexachloroethane
Concen: 3.43 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:117 Resp: 4669
Ion Ratio Lower Upper
117 100
201 0.0 36.6 109.9#



#95
Naphthalene
Concen: 12.29 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004405.D
Acq: 13 Apr 2021 13:12

Tgt Ion:128 Resp: 75552
Ion Ratio Lower Upper
128 100
127 15.8 10.2 15.2#
129 11.7 8.8 13.2

