

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042621\
 Data File : VY004636.D
 Acq On : 26 Apr 2021 17:45
 Operator : SY/MD
 Sample : M2176-16
 Misc : 6.76G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 27 09:34:59 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	117995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	207300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	194134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80888	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	80059	61.07	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.14%
35) Dibromofluoromethane	7.728	113	62140	54.02	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.04%
50) Toluene-d8	10.185	98	255268	52.17	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.34%
62) 4-Bromofluorobenzene	12.483	95	84994	51.18	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.36%

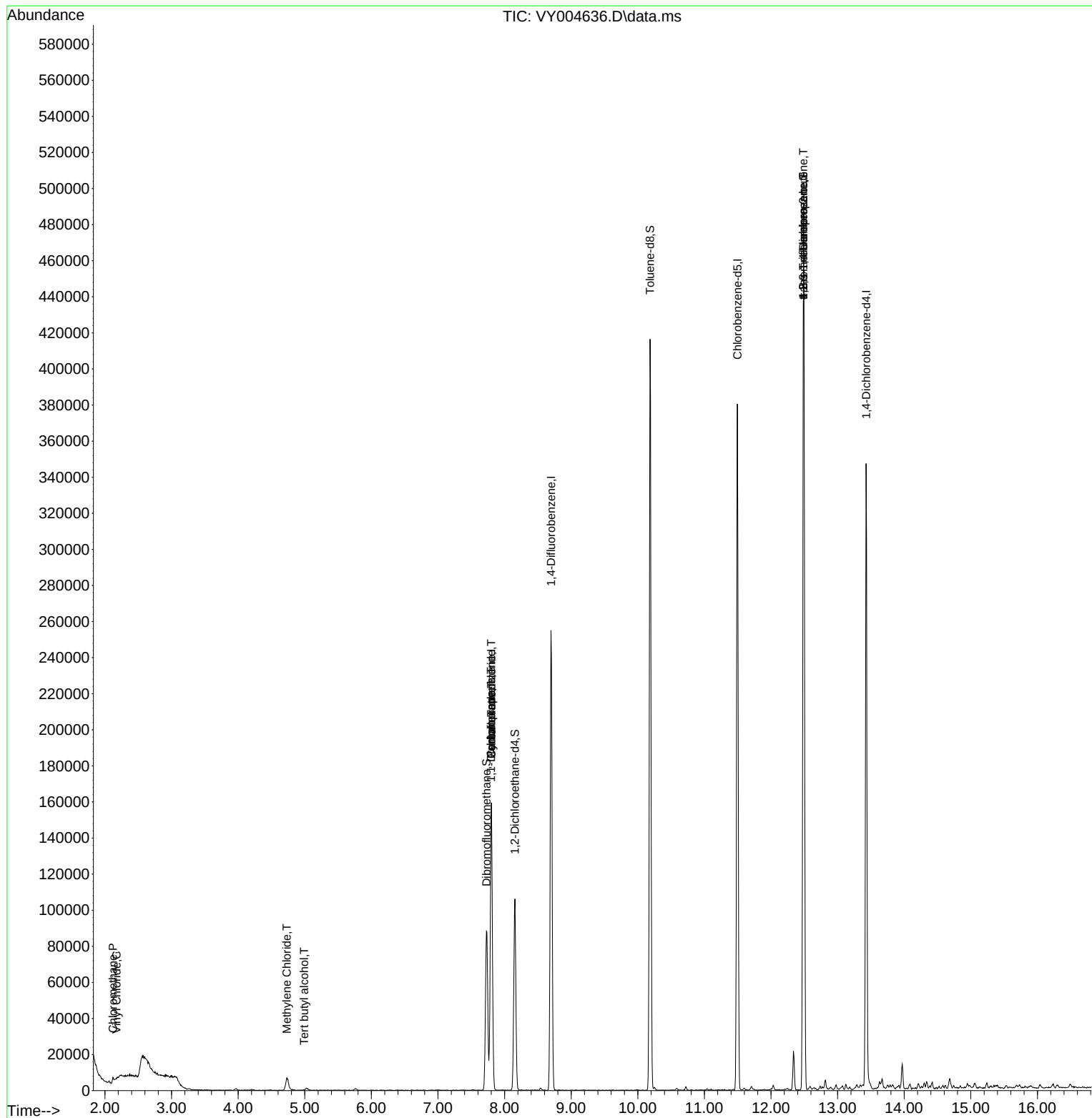
Target Compounds						Qvalue
3) Chloromethane	2.119	50	2332	1.48	ug/l	100
4) Vinyl Chloride	2.174	62	2014	1.21	ug/l #	43
11) Tert butyl alcohol	4.991	59	223	1.73	ug/l #	73
16) Acetone	3.972	43	1749	Below	Cal	94
20) Methylene Chloride	4.728	84	4794	3.79	ug/l	94
31) Cyclohexane	7.801	56	3060	1.27	ug/l #	48
36) 1,1-Dichloropropene	7.795	75	9899	4.81	ug/l #	51
38) Carbon Tetrachloride	7.801	117	12140	6.82	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	49206	56.68	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49206	101.39	ug/l #	13

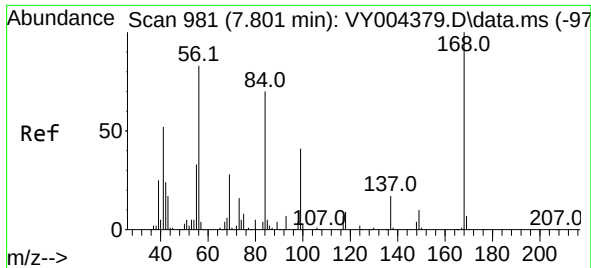
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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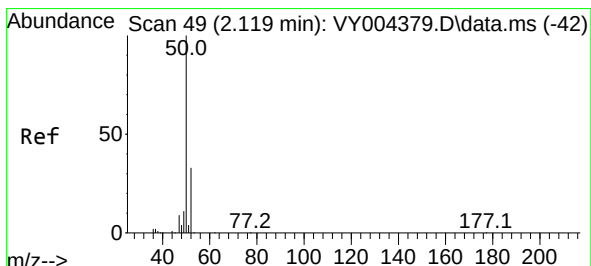
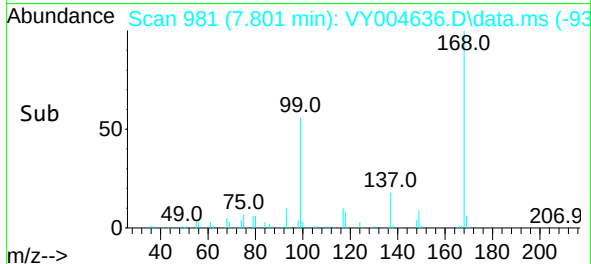
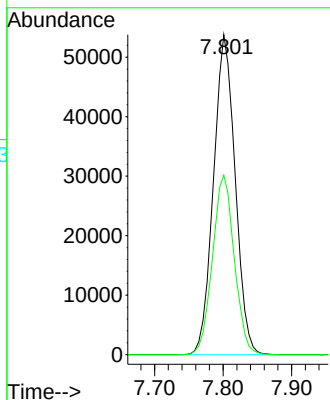
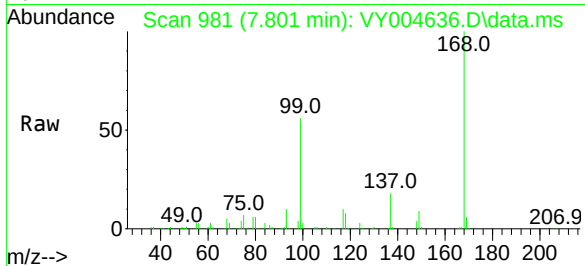




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45

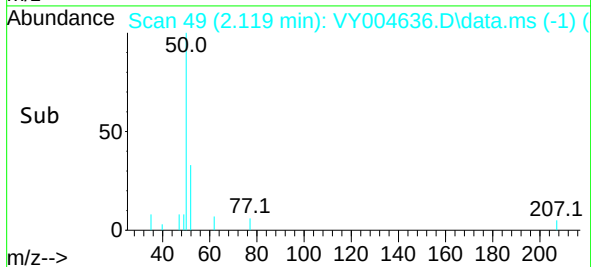
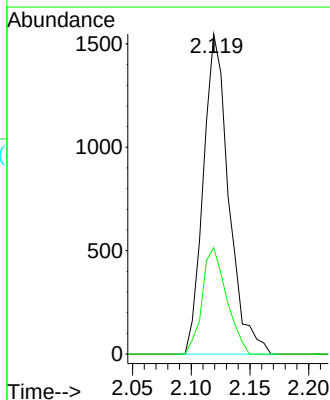
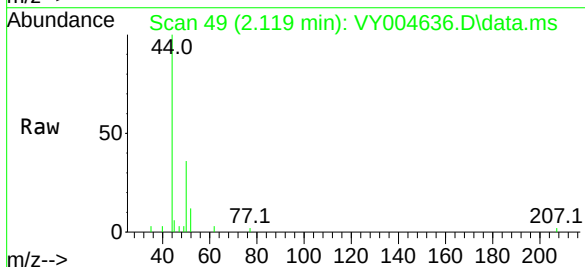
Instrument :
MSVOA_Y
ClientSampled :

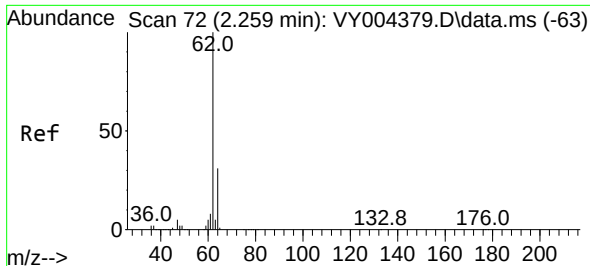
Tgt Ion:168 Resp: 117995
Ion Ratio Lower Upper
168 100
99 56.1 45.5 68.3



#3
Chloromethane
Concen: 1.48 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45

Tgt Ion: 50 Resp: 2332
Ion Ratio Lower Upper
50 100
52 33.2 26.6 39.8

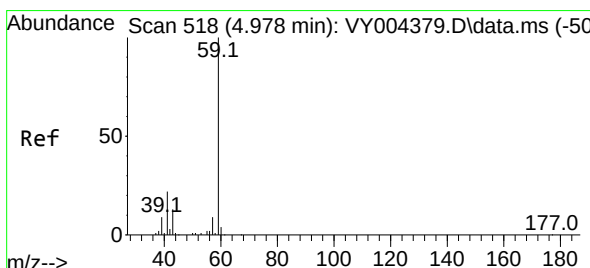
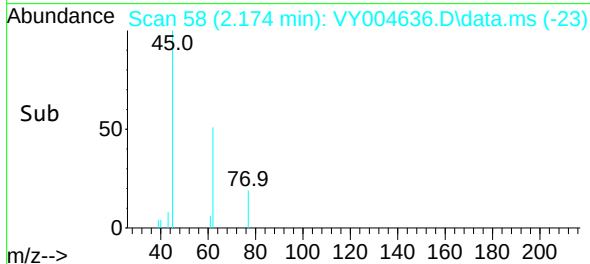
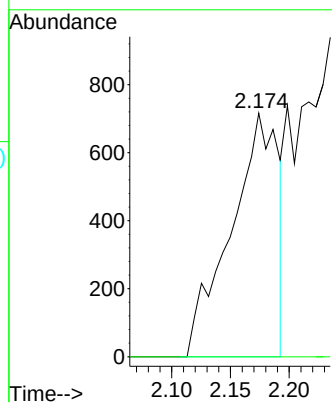
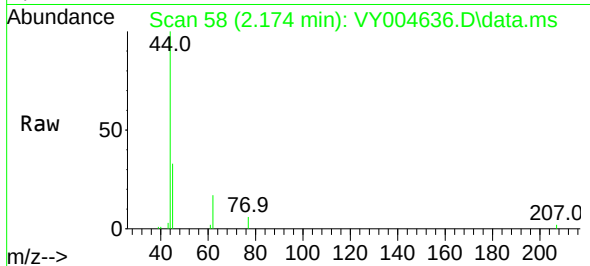




#4
 Vinyl Chloride
 Concen: 1.21 ug/l
 RT: 2.174 min Scan# 58
 Delta R.T. -0.085 min
 Lab File: VY004636.D
 Acq: 26 Apr 2021 17:45

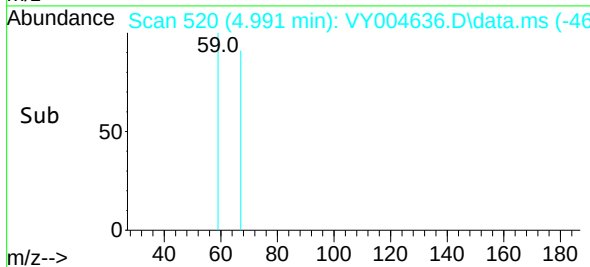
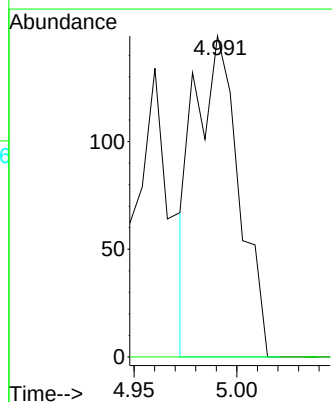
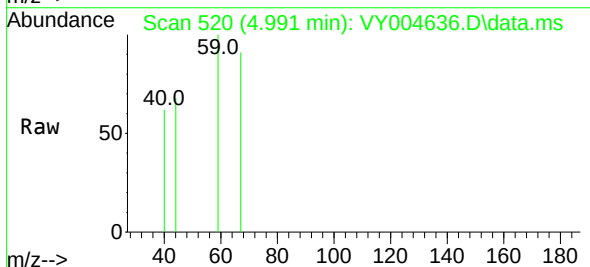
Instrument :
 MSVOA_Y
 ClientSampled :

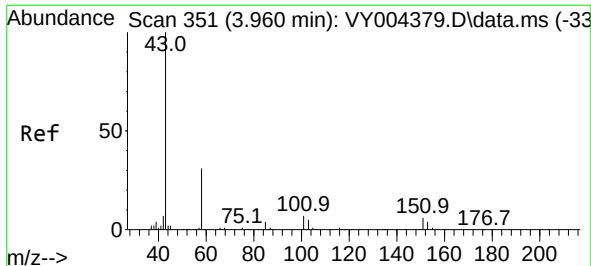
Tgt Ion: 62 Resp: 2014
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.1 37.7#



#11
 Tert butyl alcohol
 Concen: 1.73 ug/l
 RT: 4.991 min Scan# 520
 Delta R.T. 0.012 min
 Lab File: VY004636.D
 Acq: 26 Apr 2021 17:45

Tgt Ion: 59 Resp: 223
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

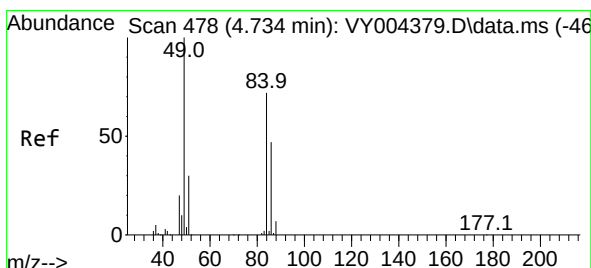
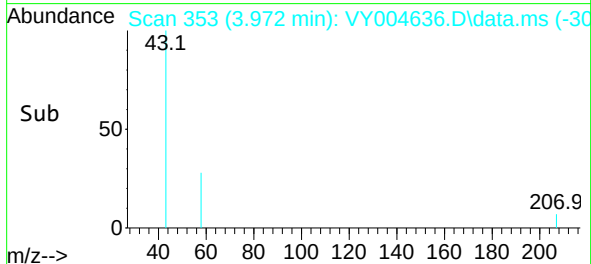
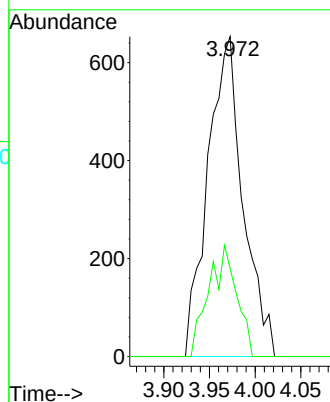
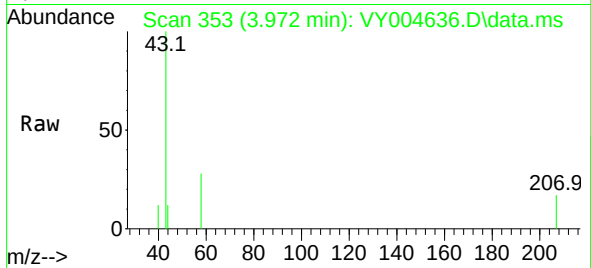




#16
Acetone
Concen: Below Cal
RT: 3.972 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45

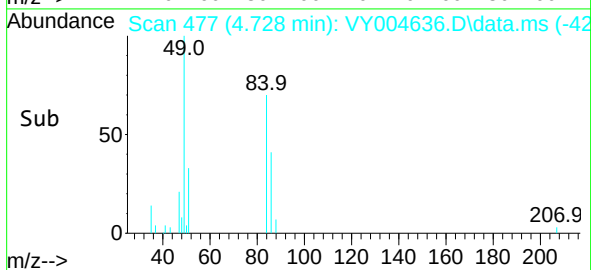
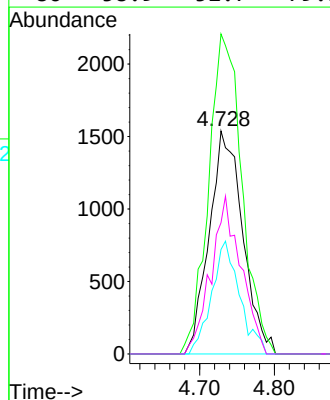
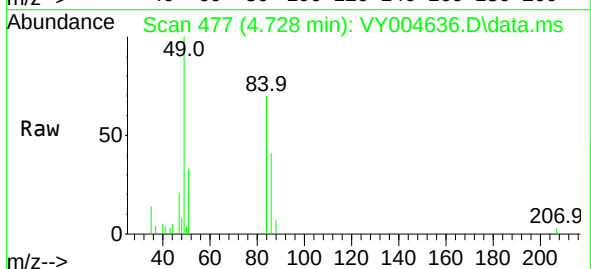
Instrument :
MSVOA_Y
ClientSampled :

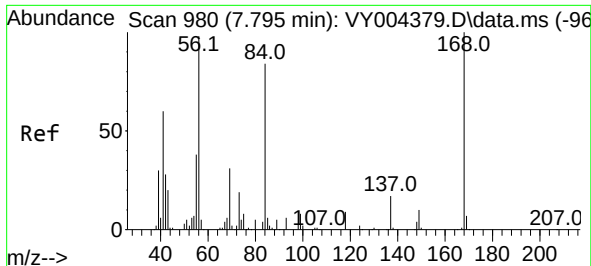
Tgt Ion: 43 Resp: 1749
Ion Ratio Lower Upper
43 100
58 27.6 24.6 37.0



#20
Methylene Chloride
Concen: 3.79 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45

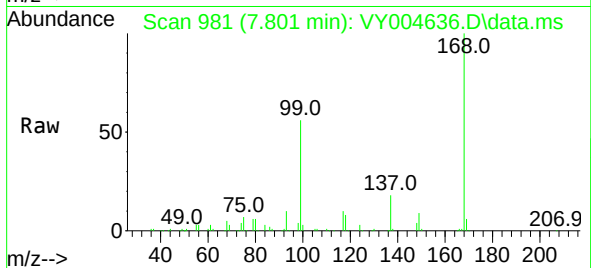
Tgt Ion: 84 Resp: 4794
Ion Ratio Lower Upper
84 100
49 143.6 111.2 166.8
51 46.9 33.4 50.2
86 58.9 52.7 79.1



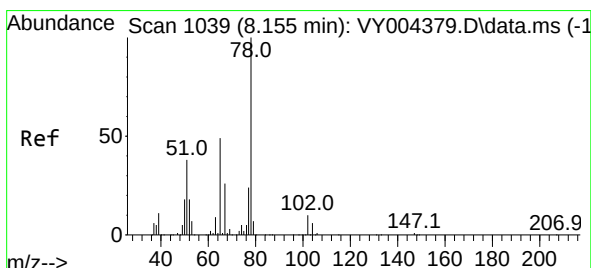
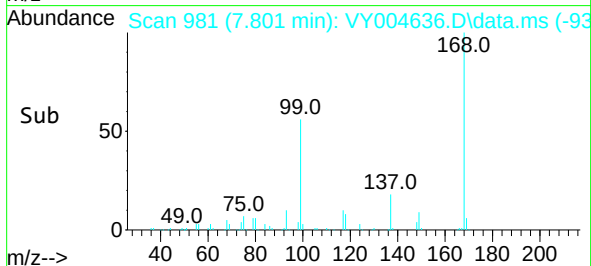
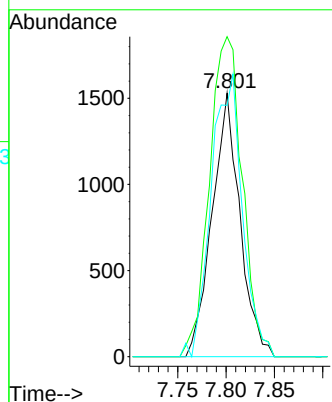


#31
Cyclohexane
Concen: 1.27 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45

Instrument :
MSVOA_Y
ClientSampleId :

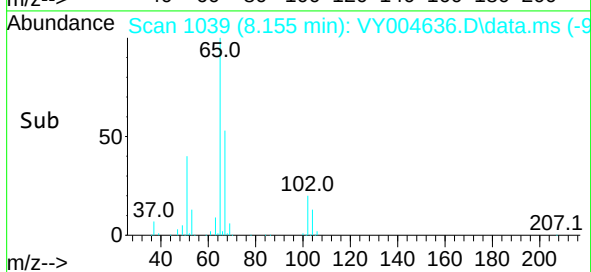
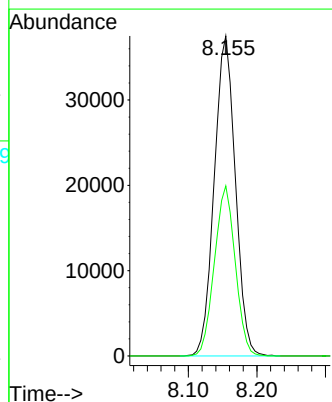
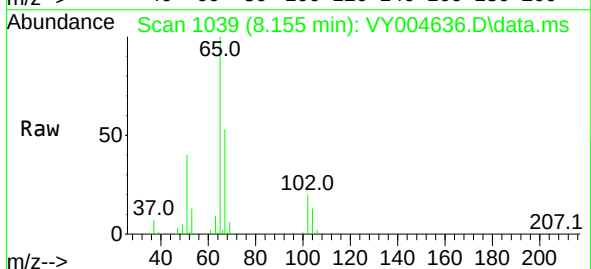


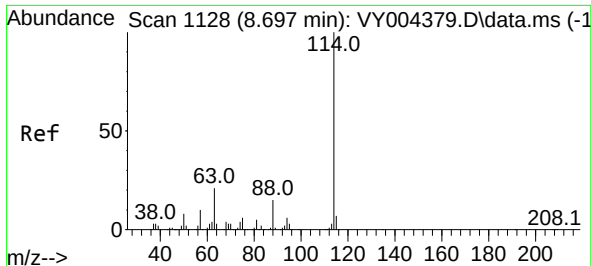
Tgt Ion: 56 Resp: 3060
Ion Ratio Lower Upper
56 100
69 121.4 25.8 38.6#
84 95.4 68.2 102.4



#33
1,2-Dichloroethane-d4
Concen: 61.07 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45

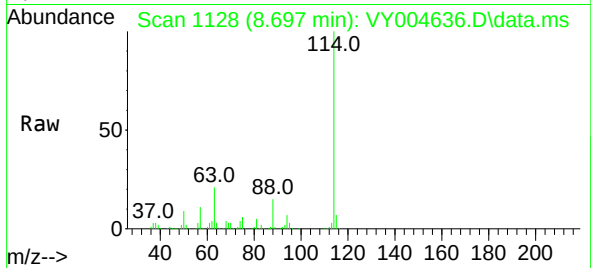
Tgt Ion: 65 Resp: 80059
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.4



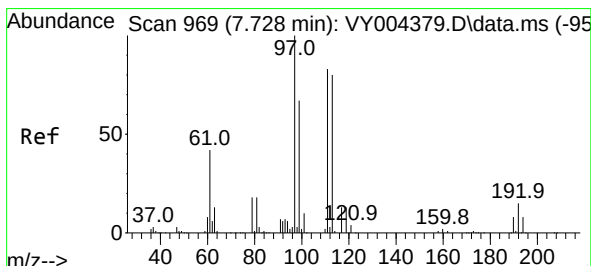
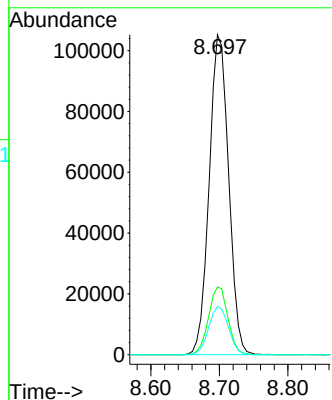
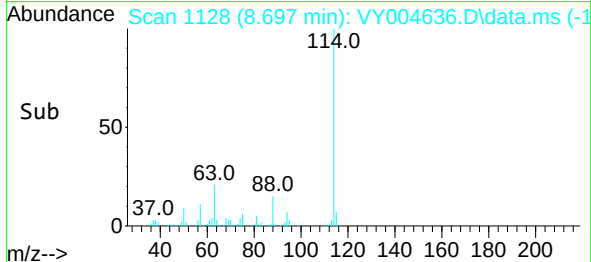


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45

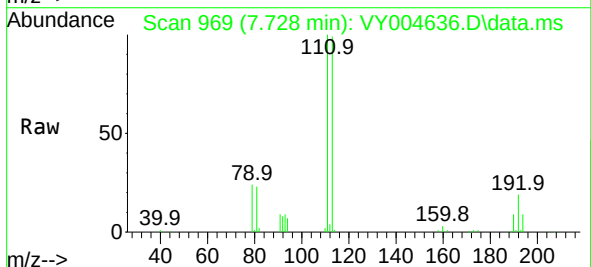
Instrument :
MSVOA_Y
ClientSampled :



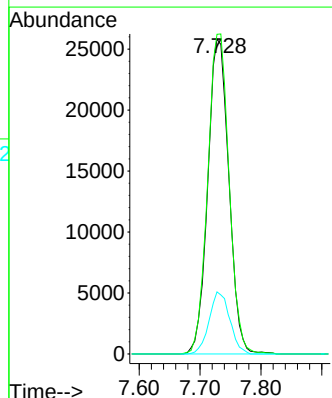
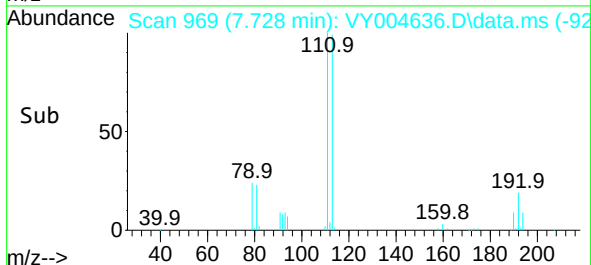
Tgt Ion:114 Resp: 207300
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.4
88 15.0 0.0 30.8

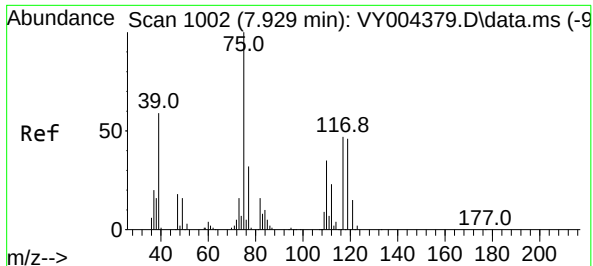


#35
Dibromofluoromethane
Concen: 54.02 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45



Tgt Ion:113 Resp: 62140
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 19.3 16.1 24.1





#36

1,1-Dichloropropene

Concen: 4.81 ug/l

RT: 7.795 min Scan# 980

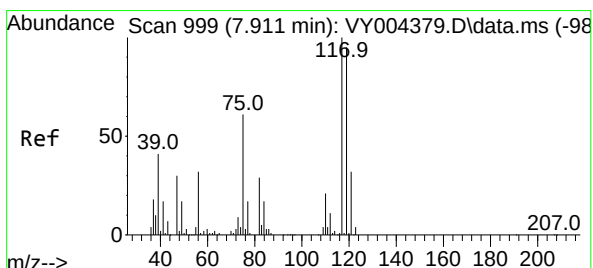
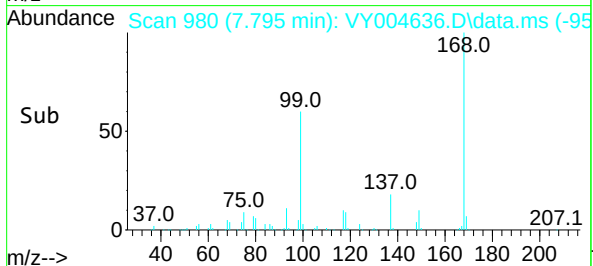
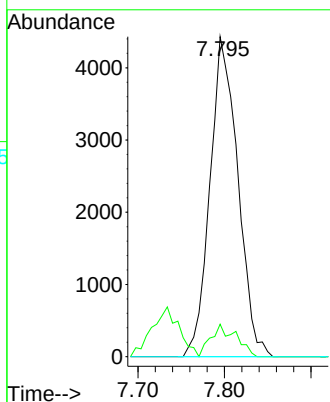
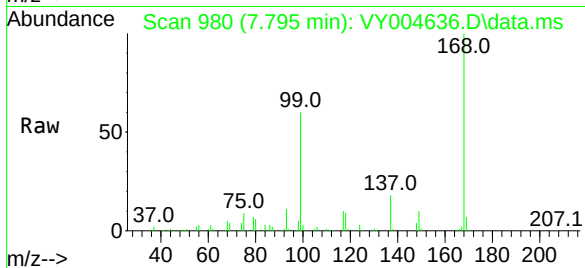
Delta R.T. -0.134 min

Lab File: VY004636.D

Acq: 26 Apr 2021 17:45

Tgt Ion:	75	Resp:	9899
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.3	51.7#
77	0.0	24.3	36.5#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.82 ug/l

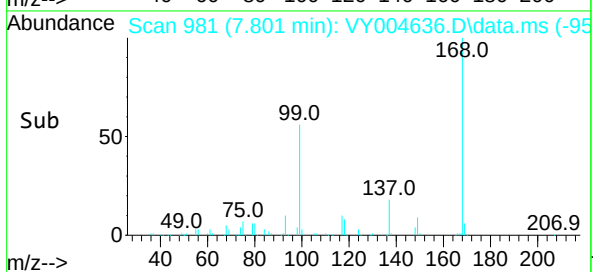
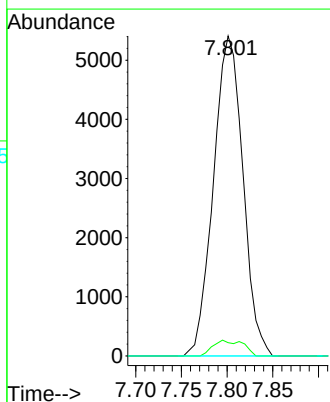
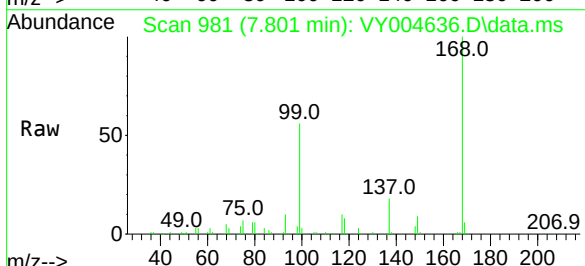
RT: 7.801 min Scan# 981

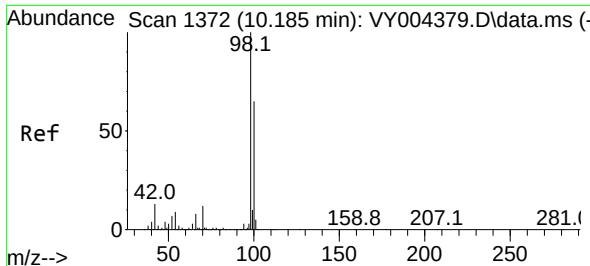
Delta R.T. -0.110 min

Lab File: VY004636.D

Acq: 26 Apr 2021 17:45

Tgt Ion:	117	Resp:	12140
Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.8	113.8#
121	0.0	25.3	37.9#

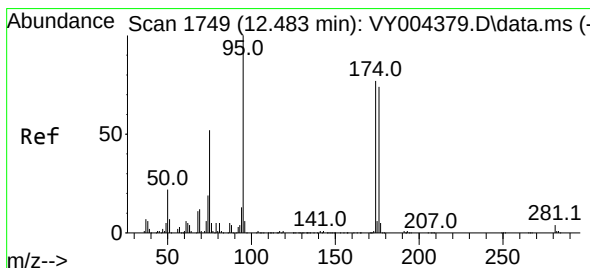
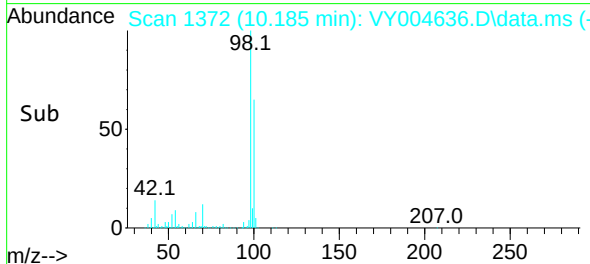
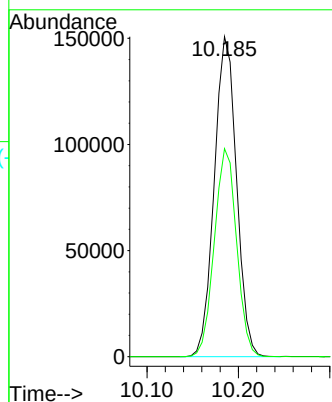
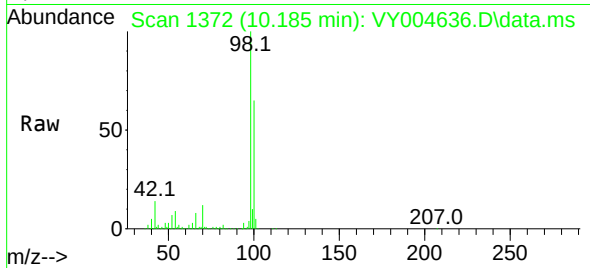




#50
Toluene-d8
Concen: 52.17 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45

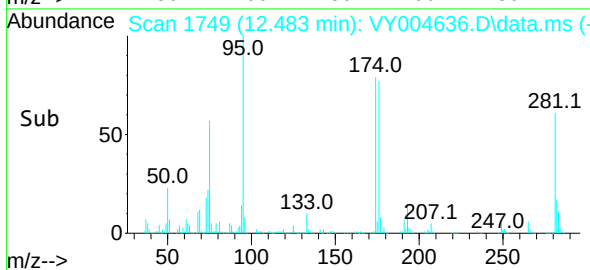
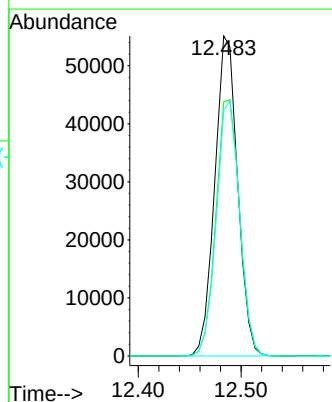
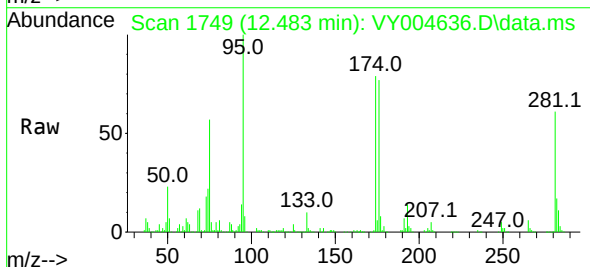
Instrument :
MSVOA_Y
ClientSampled :

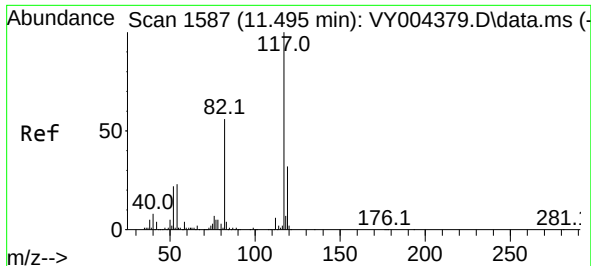
Tgt Ion: 98 Resp: 255268
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 51.18 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45

Tgt Ion: 95 Resp: 84994
Ion Ratio Lower Upper
95 100
174 83.2 0.0 162.4
176 81.2 0.0 156.0

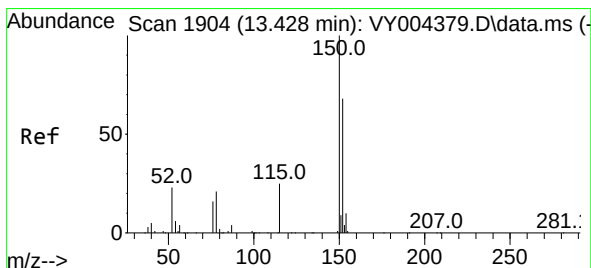
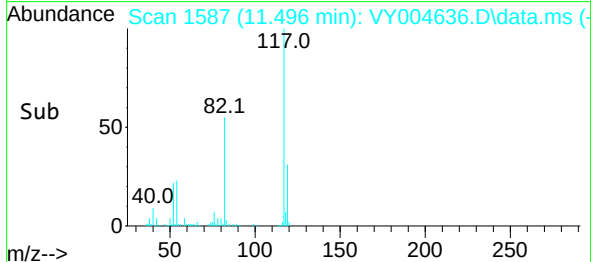
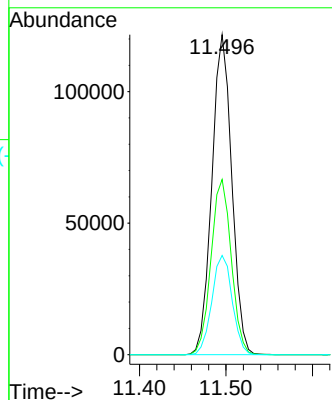
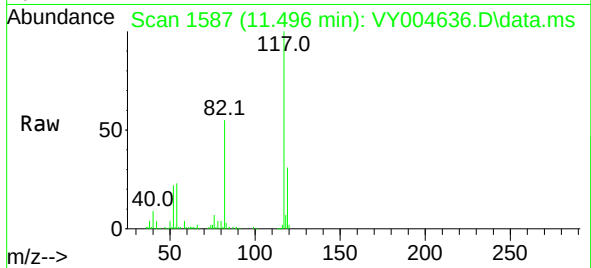




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45

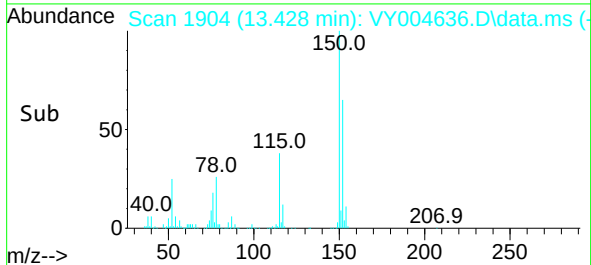
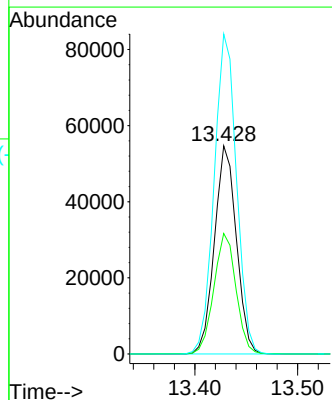
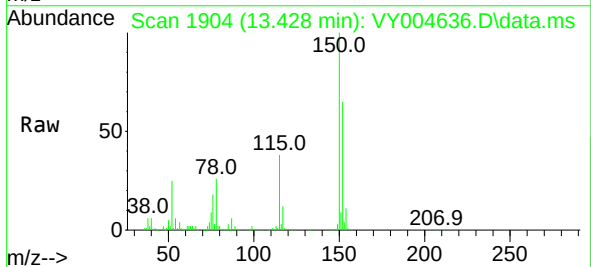
Instrument :
MSVOA_Y
ClientSampleId :

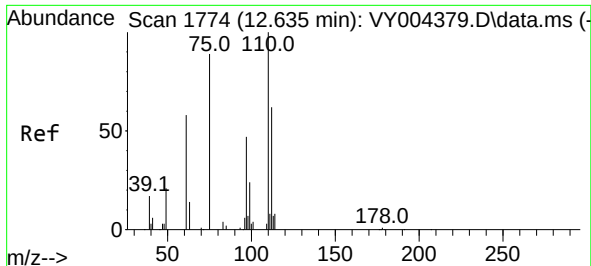
Tgt Ion:117 Resp: 194134
Ion Ratio Lower Upper
117 100
82 54.8 44.9 67.3
119 31.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45

Tgt Ion:152 Resp: 80888
Ion Ratio Lower Upper
152 100
115 58.7 29.6 88.8
150 156.6 0.0 348.4

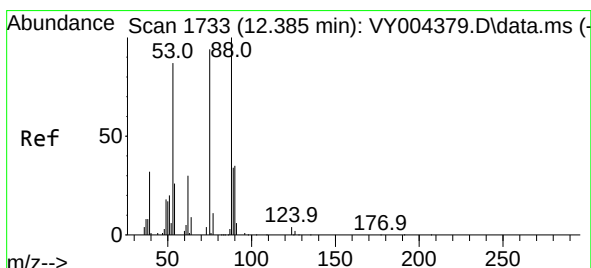
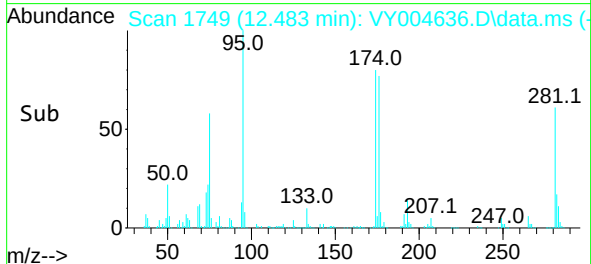
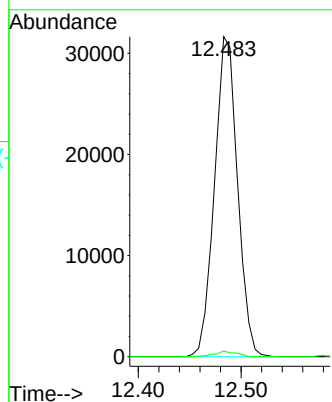
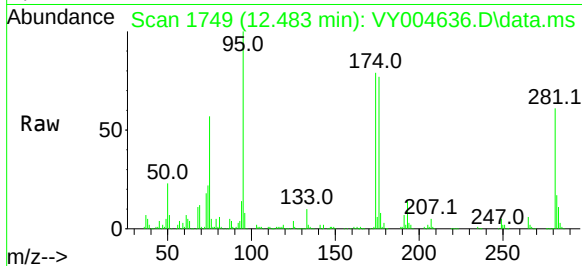




#76
1,2,3-Trichloropropane
Concen: 56.68 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 49206
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.39 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004636.D
Acq: 26 Apr 2021 17:45

Tgt Ion: 75 Resp: 49206
Ion Ratio Lower Upper
75 100
53 0.1 75.0 112.6#
89 1.8 36.1 54.1#

