

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
 Data File : VY004103.D
 Acq On : 17 Mar 2021 15:10
 Operator : SY/MD
 Sample : M1681-39
 Misc : 5.03g/5mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 01:49:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	190615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	321632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	271382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	101142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.154	65	107934	57.38	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.76%
35) Dibromofluoromethane	7.734	113	100627	55.48	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.96%
50) Toluene-d8	10.185	98	372279	52.36	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.72%
62) 4-Bromofluorobenzene	12.483	95	110118	41.93	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.86%

Target Compounds

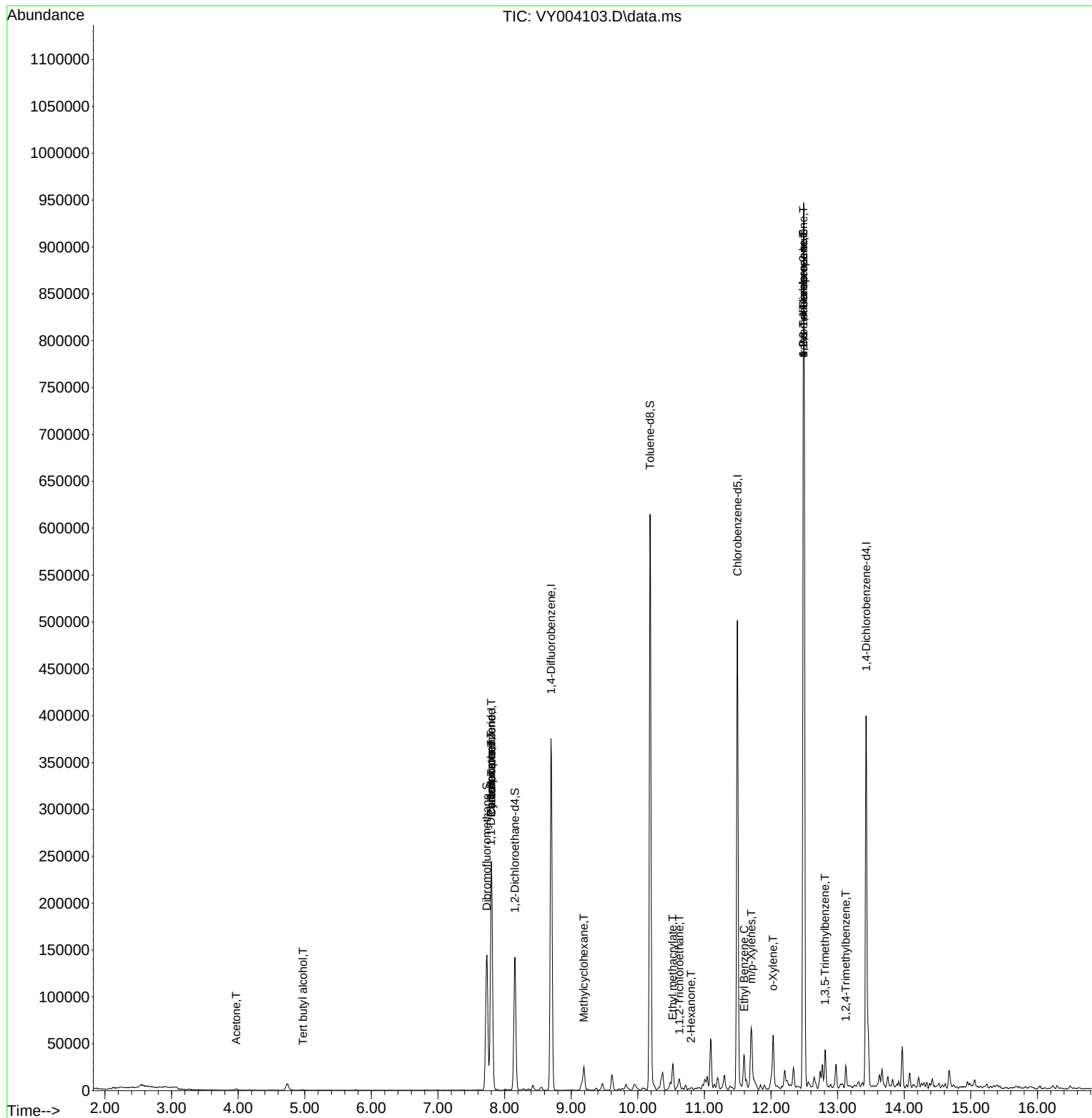
						Qvalue
2) Dichlorodifluoromethane	1.912	85	20	Below Cal	#	41
3) Chloromethane	2.119	50	888	Below Cal	#	80
11) Tert butyl alcohol	4.972	59	867	5.10	ug/l #	76
16) Acetone	3.972	43	2549	5.61	ug/l #	81
20) Methylene Chloride	4.734	84	5339	Below Cal		89
31) Cyclohexane	7.801	56	4489	1.36	ug/l #	24
36) 1,1-Dichloropropene	7.795	75	13792	4.88	ug/l #	50
38) Carbon Tetrachloride	7.801	117	18505	6.17	ug/l #	17
39) Methylcyclohexane	9.191	83	11549	3.16	ug/l	91
55) 1,1,2-Trichloroethane	10.623	97	4533	2.84	ug/l #	19
56) Ethyl methacrylate	10.526	69	2939	1.32	ug/l #	1
59) 2-Hexanone	10.800	43	1387	1.28	ug/l #	25
67) Ethyl Benzene	11.599	91	22458	2.35	ug/l	100
68) m/p-Xylenes	11.703	106	19641	5.39	ug/l	94
69) o-Xylene	12.032	106	14348	4.17	ug/l	92
76) 1,2,3-Trichloropropane	12.483	75	63641	65.62	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	14658	2.46	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.483	75	63641	129.51	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.123	105	11465	1.92	ug/l	93

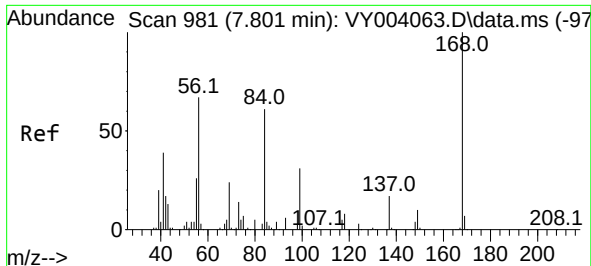
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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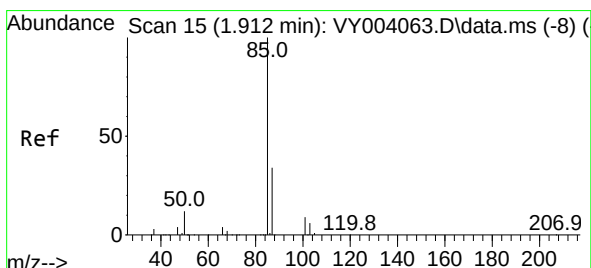
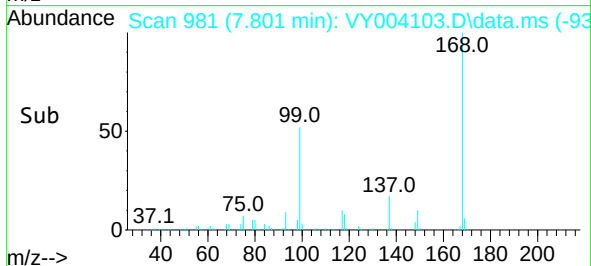
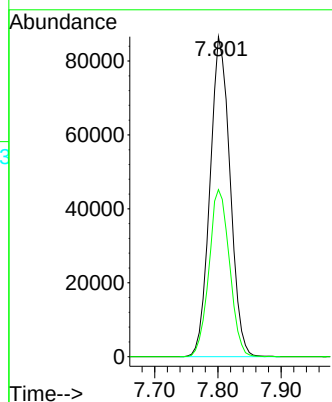
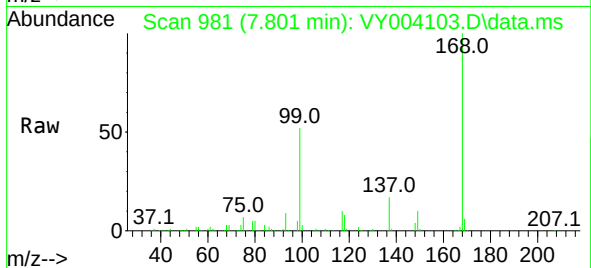




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

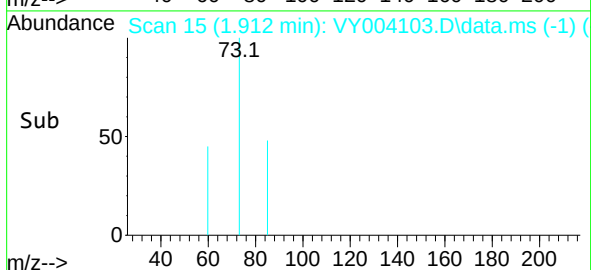
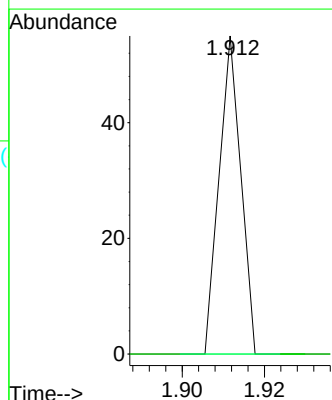
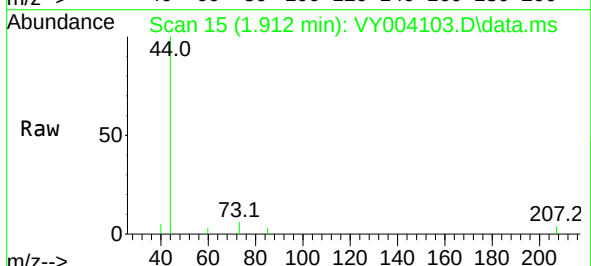
Instrument :
MSVOA_Y
ClientSampled :

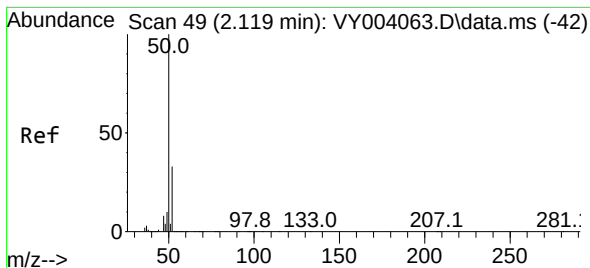
Tgt Ion:168 Resp: 190615
Ion Ratio Lower Upper
168 100
99 52.2 41.2 61.8



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 17.0 51.0#

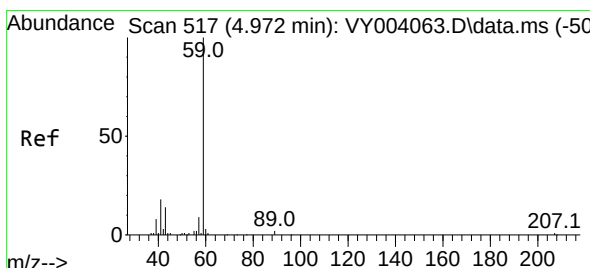
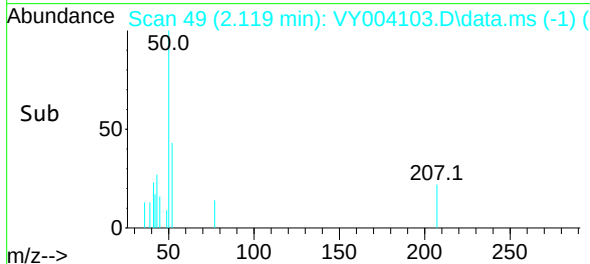
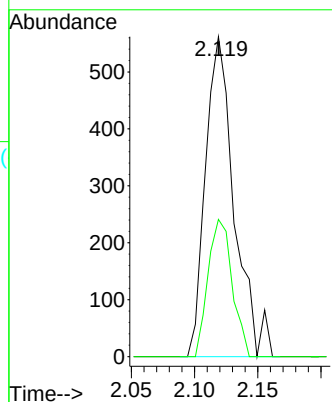
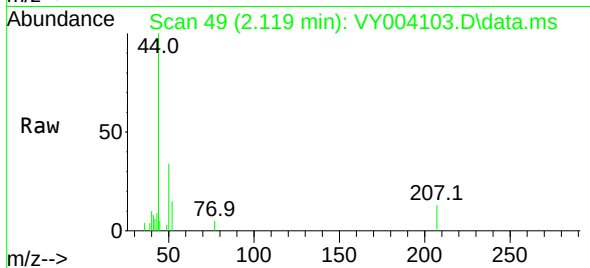




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

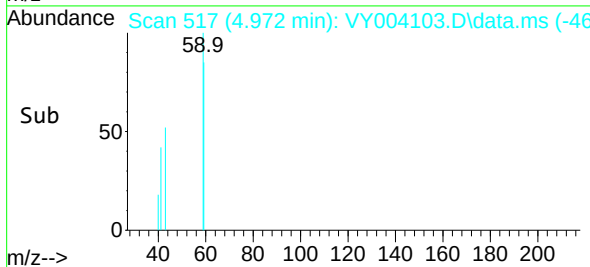
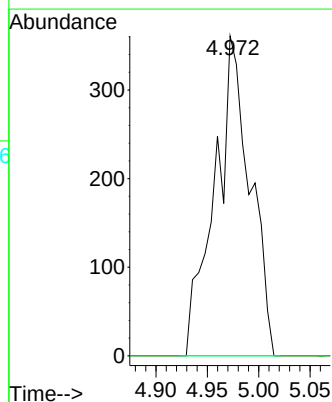
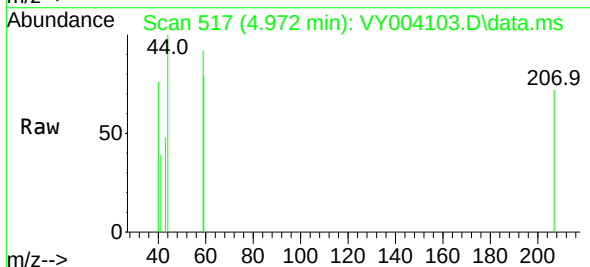
Instrument :
MSVOA_Y
ClientSampled :

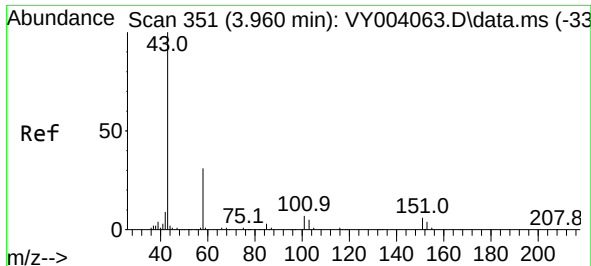
Tgt Ion: 50 Resp: 888
Ion Ratio Lower Upper
50 100
52 42.9 25.4 38.2#



#11
Tert butyl alcohol
Concen: 5.10 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.000 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

Tgt Ion: 59 Resp: 867
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

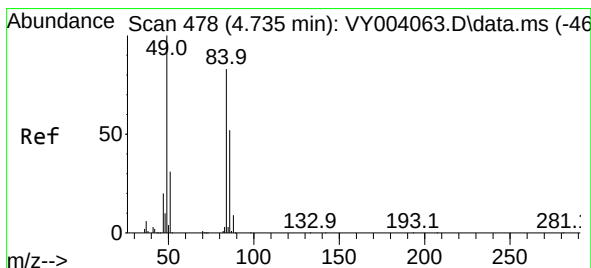
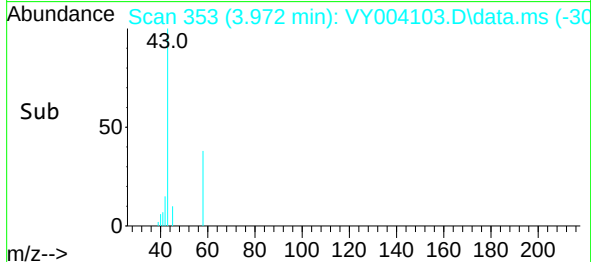
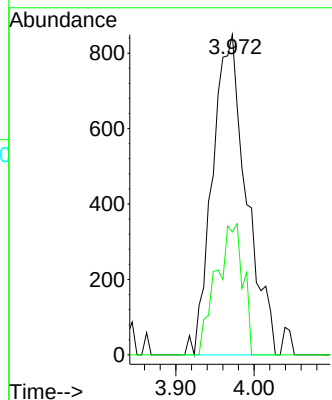
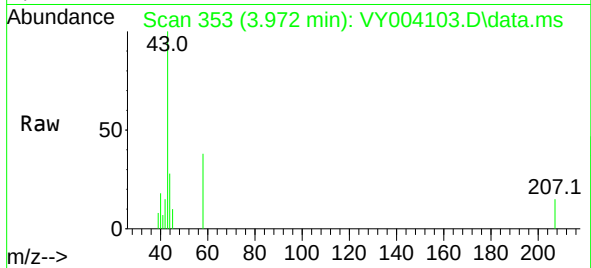




#16
Acetone
Concen: 5.61 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

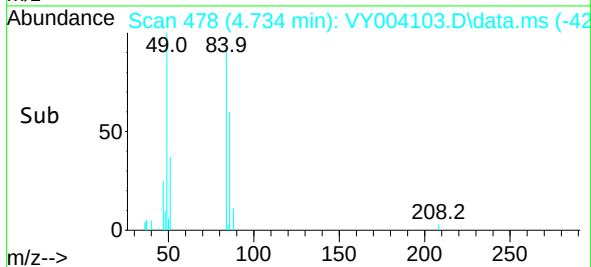
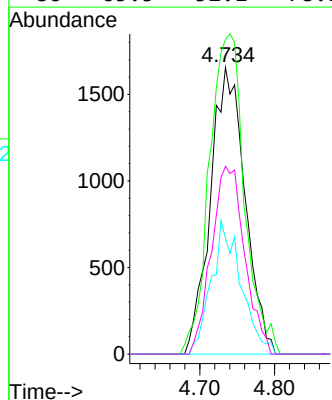
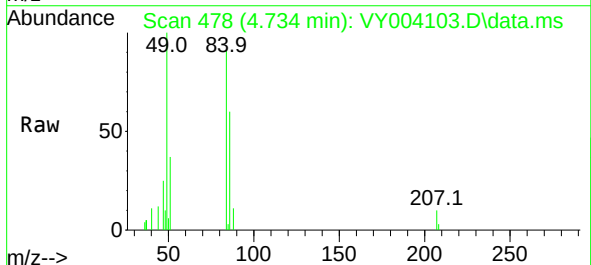
Instrument :
MSVOA_Y
ClientSampled :

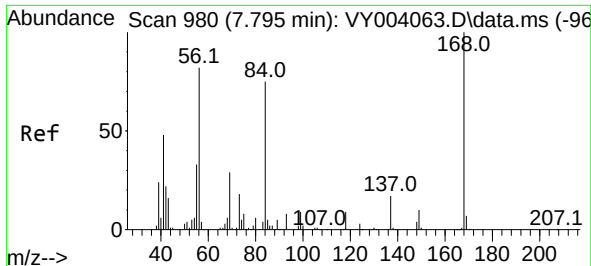
Tgt Ion: 43 Resp: 2549
Ion Ratio Lower Upper
43 100
58 38.4 22.6 34.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.734 min Scan# 478
Delta R.T. -0.001 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

Tgt Ion: 84 Resp: 5339
Ion Ratio Lower Upper
84 100
49 109.7 105.8 158.6
51 40.4 32.6 48.8
86 65.5 52.1 78.1

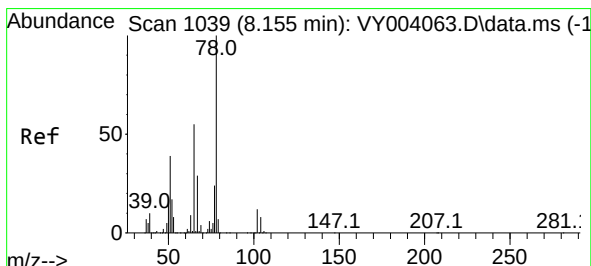
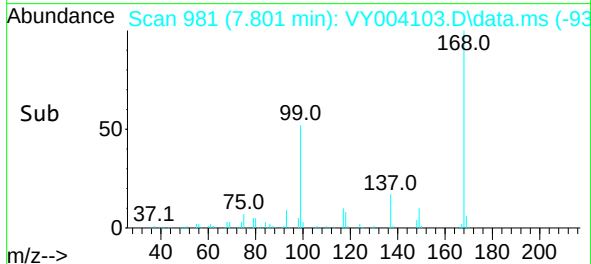
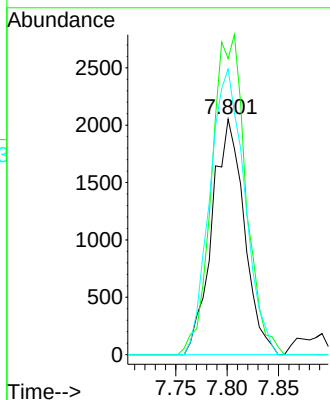
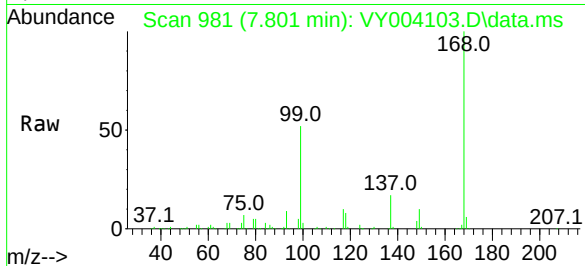




#31
Cyclohexane
Concen: 1.36 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

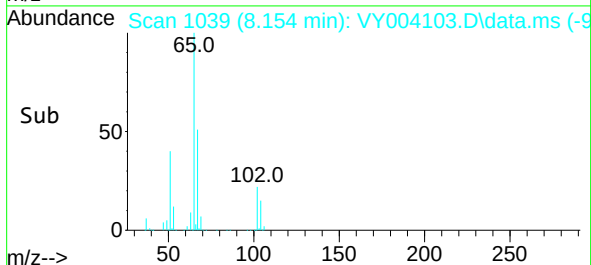
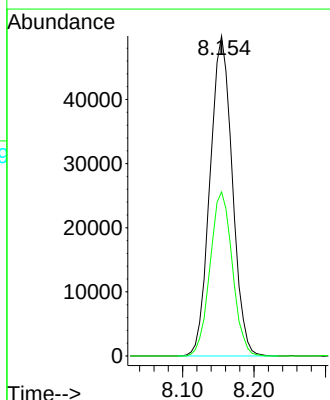
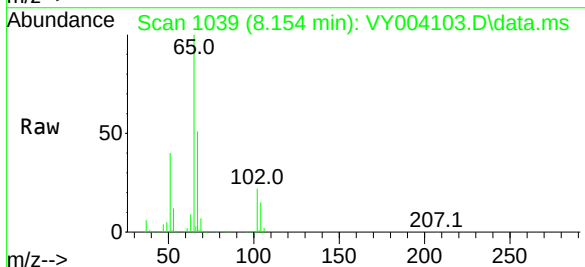
Instrument :
MSVOA_Y
ClientSampleId :

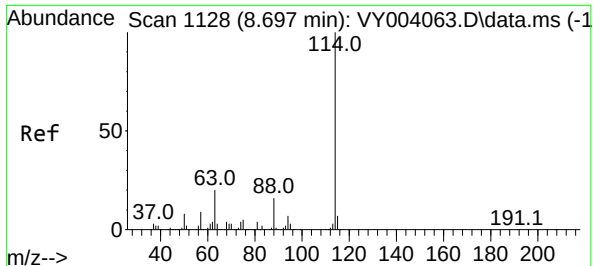
Tgt Ion: 56 Resp: 4489
Ion Ratio Lower Upper
56 100
69 125.7 25.3 37.9#
84 121.3 67.3 100.9#



#33
1,2-Dichloroethane-d4
Concen: 57.38 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. -0.001 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

Tgt Ion: 65 Resp: 107934
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY004103.D

Acq: 17 Mar 2021 15:10

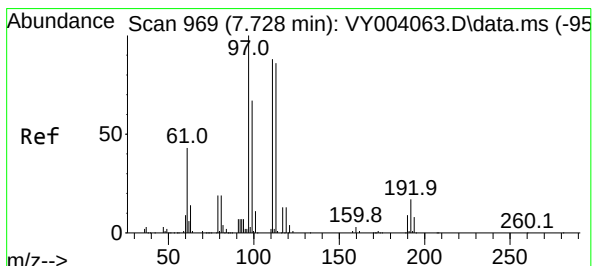
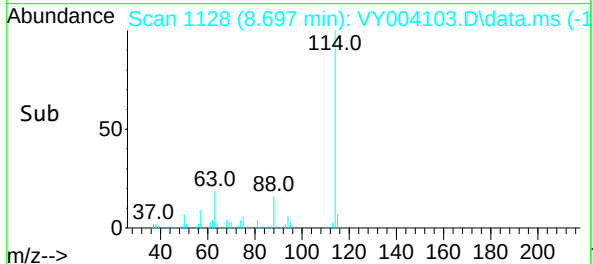
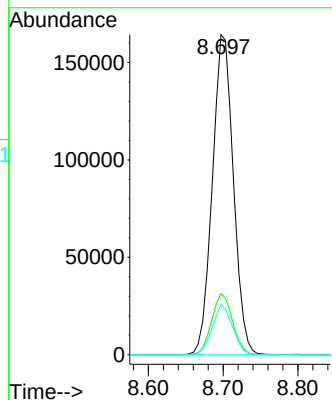
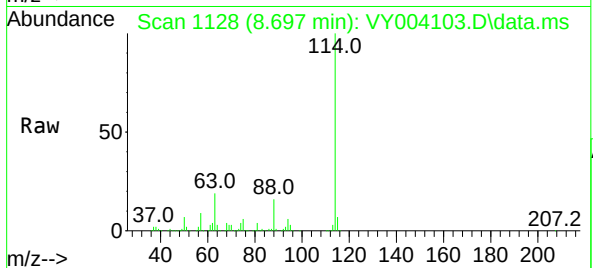
Tgt Ion:114 Resp: 321632

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.6

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 55.48 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY004103.D

Acq: 17 Mar 2021 15:10

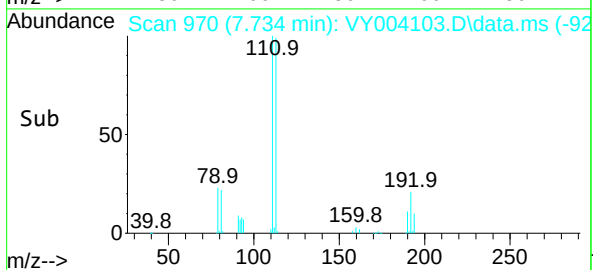
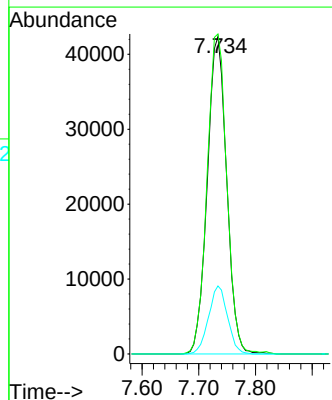
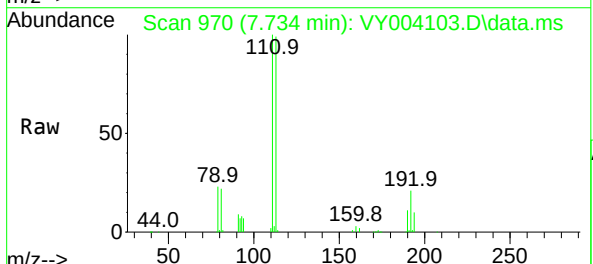
Tgt Ion:113 Resp: 100627

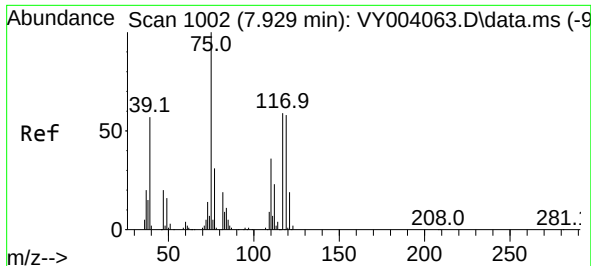
Ion Ratio Lower Upper

113 100

111 102.7 83.2 124.8

192 20.9 18.5 27.7





#36

1,1-Dichloropropene

Concen: 4.88 ug/l

RT: 7.795 min Scan# 980

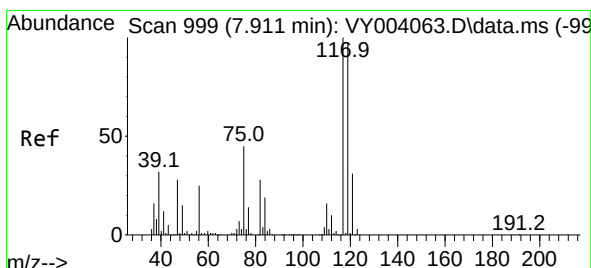
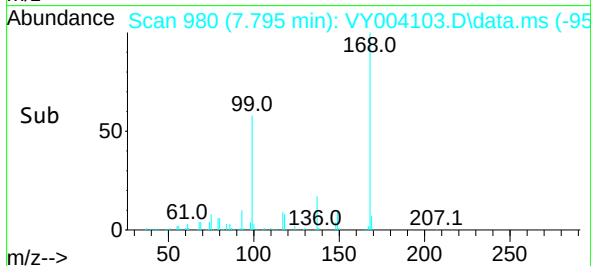
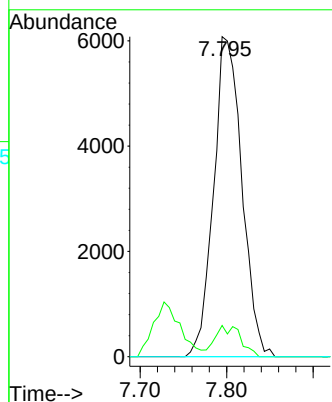
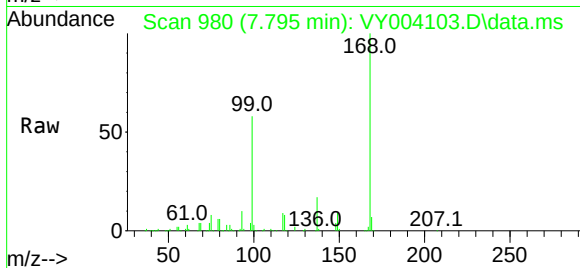
Delta R.T. -0.134 min

Lab File: VY004103.D

Acq: 17 Mar 2021 15:10

Tgt Ion:	75	Resp:	13792
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.4	52.3#
77	0.0	24.5	36.7#

Instrument :
MSVOA_Y
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.17 ug/l

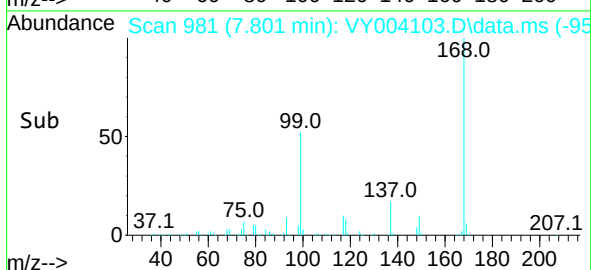
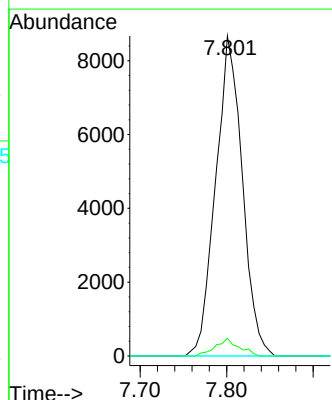
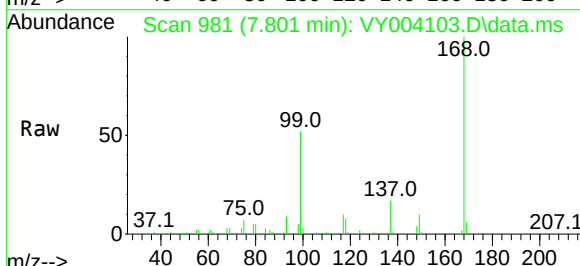
RT: 7.801 min Scan# 981

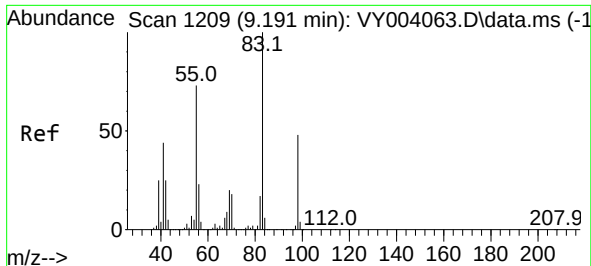
Delta R.T. -0.110 min

Lab File: VY004103.D

Acq: 17 Mar 2021 15:10

Tgt Ion:	117	Resp:	18505
Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.4	113.0#
121	0.0	24.2	36.2#

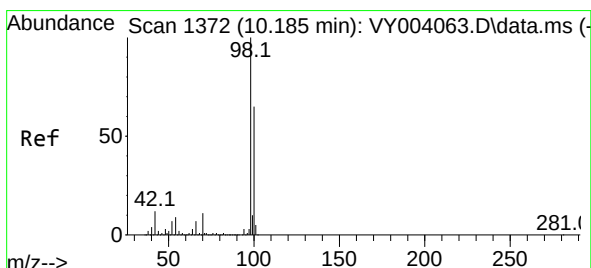
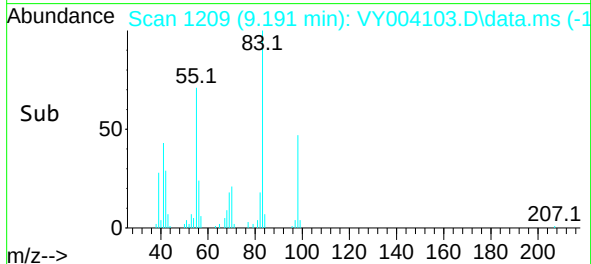
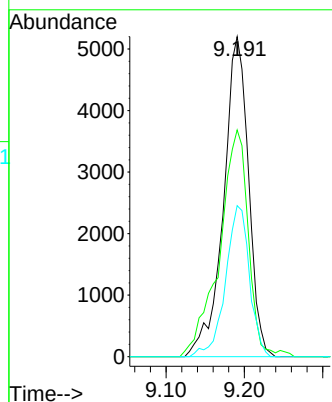
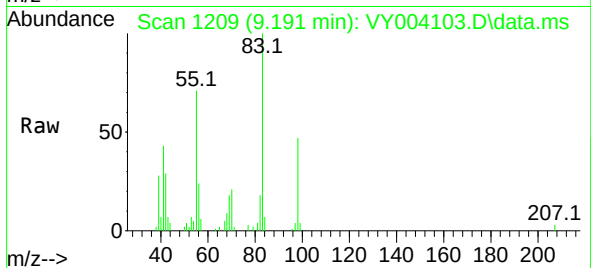




#39
Methylcyclohexane
Concen: 3.16 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. -0.000 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

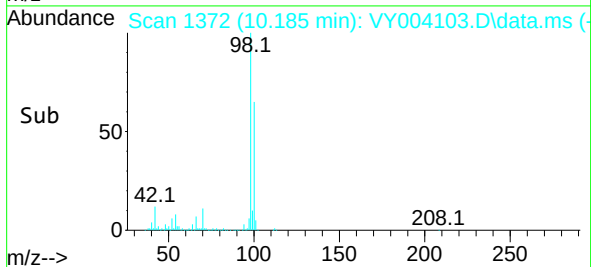
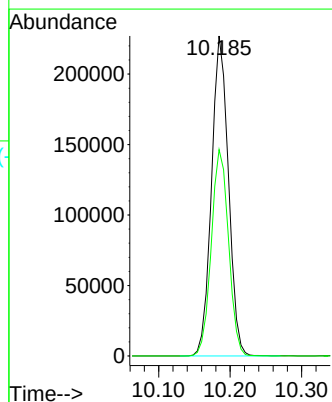
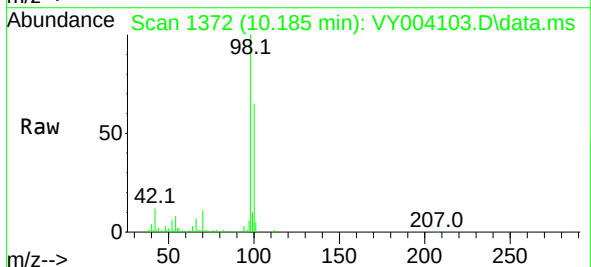
Instrument :
MSVOA_Y
ClientSampled :

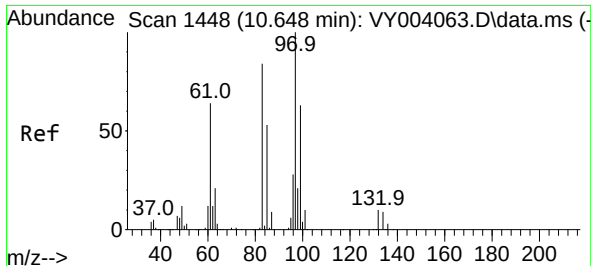
Tgt Ion: 83 Resp: 11549
Ion Ratio Lower Upper
83 100
55 70.9 65.6 98.4
98 47.2 39.5 59.3



#50
Toluene-d8
Concen: 52.36 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

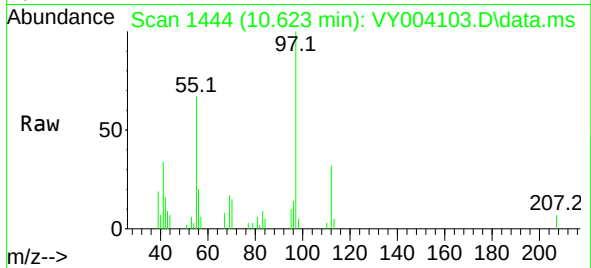
Tgt Ion: 98 Resp: 372279
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



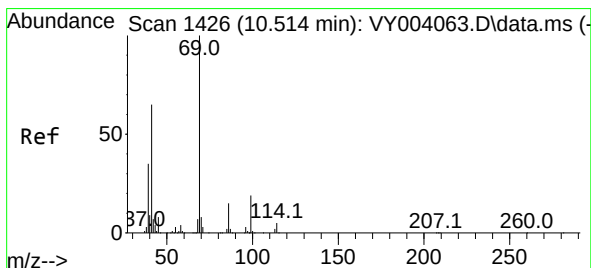
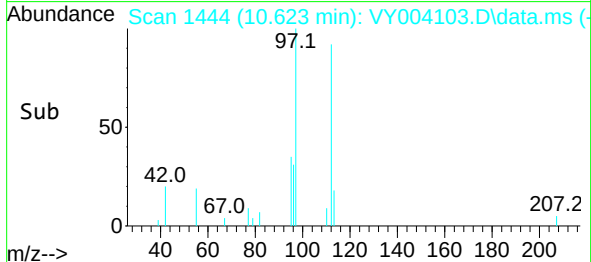
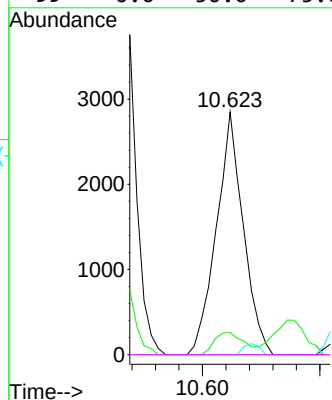


#55
1,1,2-Trichloroethane
Concen: 2.84 ug/l
RT: 10.623 min Scan# 1444
Delta R.T. -0.025 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

Instrument :
MSVOA_Y
ClientSampled :

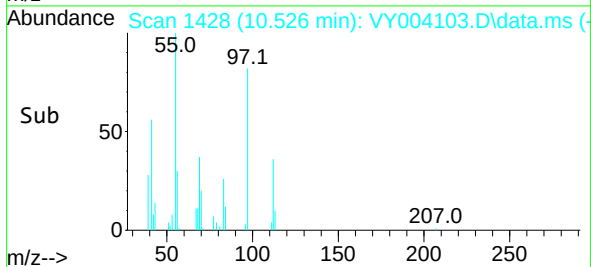
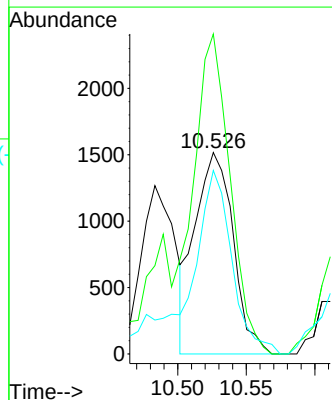
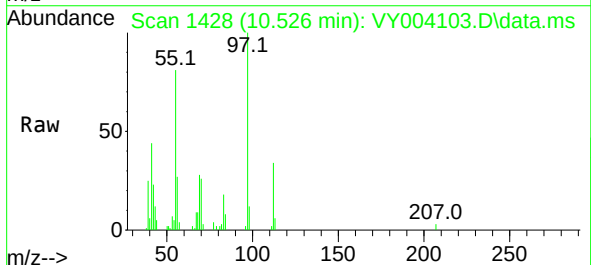


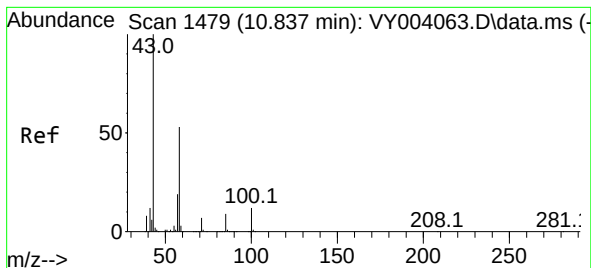
Tgt Ion:	97	Resp:	4533
Ion	Ratio	Lower	Upper
97	100		
83	9.1	69.4	104.0#
85	0.0	43.4	65.0#
99	0.0	50.0	75.0#



#56
Ethyl methacrylate
Concen: 1.32 ug/l
RT: 10.526 min Scan# 1428
Delta R.T. 0.012 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

Tgt Ion:	69	Resp:	2939
Ion	Ratio	Lower	Upper
69	100		
41	153.4	57.2	85.8#
39	107.6	27.8	41.6#

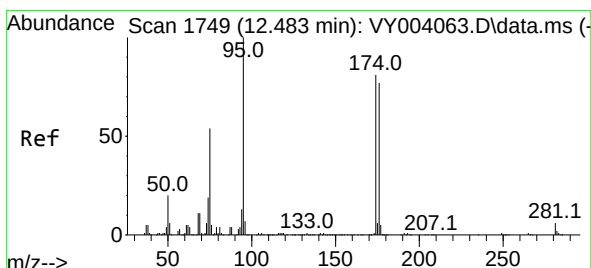
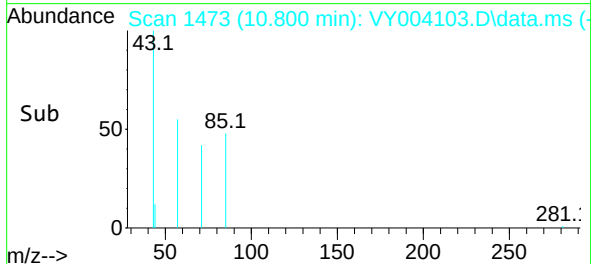
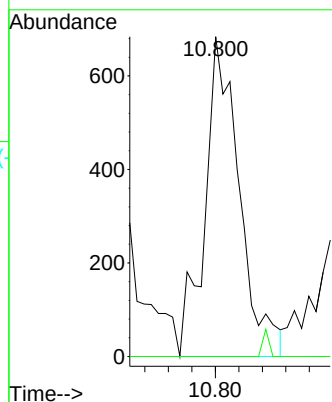
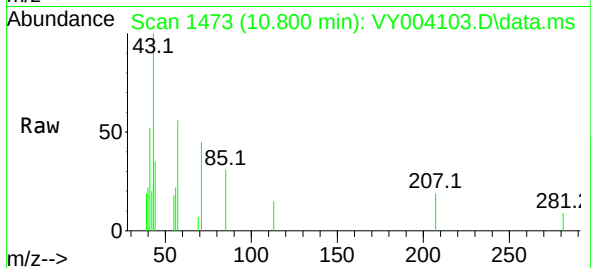




#59
2-Hexanone
Concen: 1.28 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

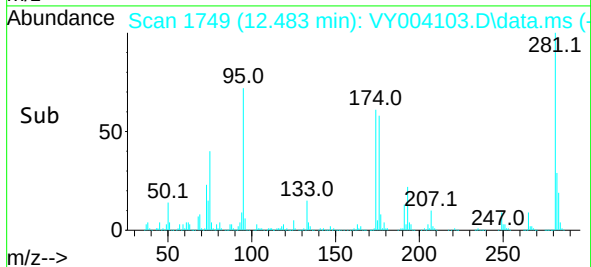
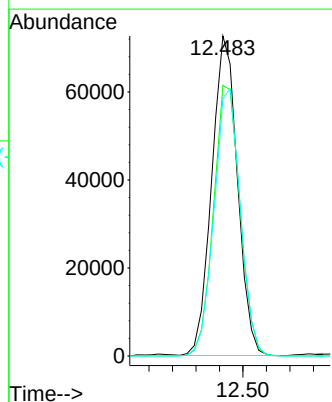
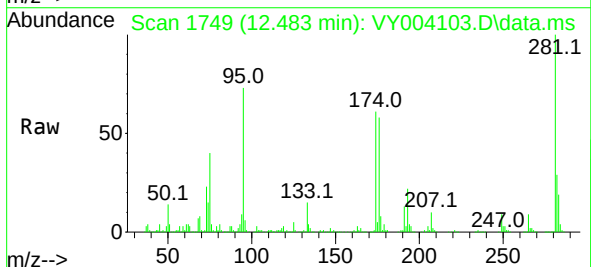
Instrument :
MSVOA_Y
ClientSampled :

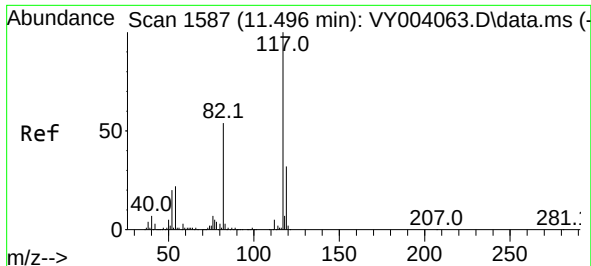
Tgt Ion: 43 Resp: 1387
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 41.93 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

Tgt Ion: 95 Resp: 110118
Ion Ratio Lower Upper
95 100
174 87.3 0.0 179.0
176 85.7 0.0 174.4

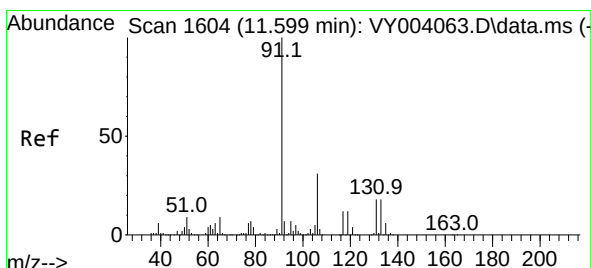
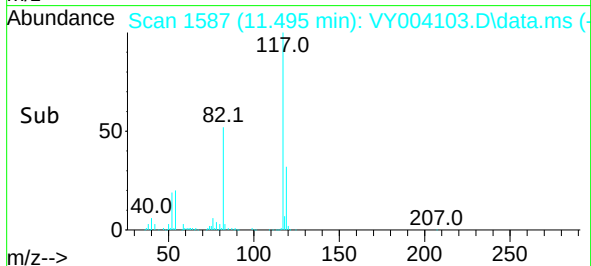
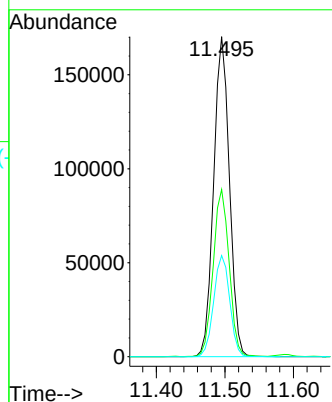
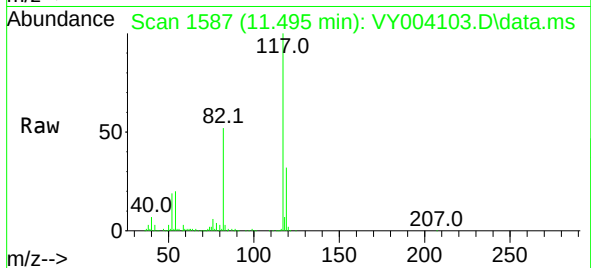




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.001 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

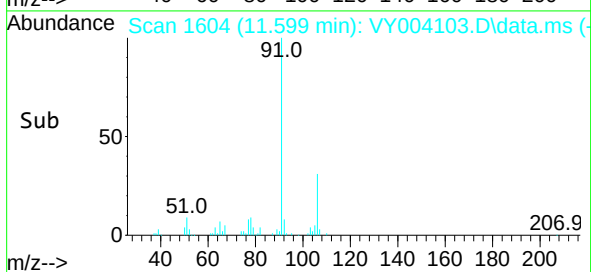
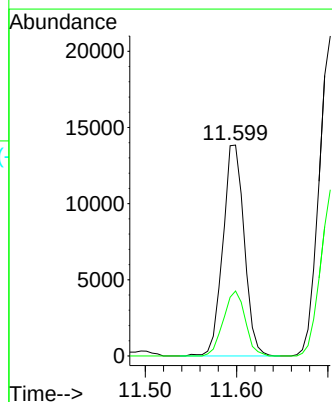
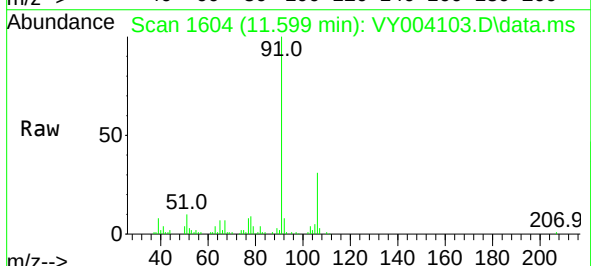
Instrument :
MSVOA_Y
ClientSampled :

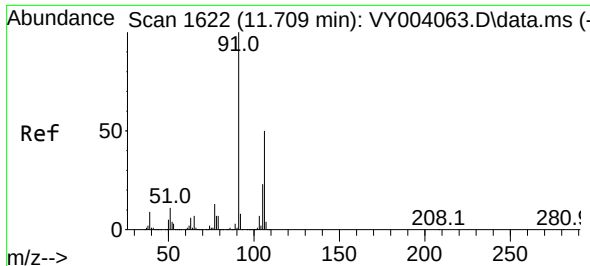
Tgt Ion:117 Resp: 271382
Ion Ratio Lower Upper
117 100
82 52.2 43.8 65.6
119 31.6 26.2 39.2



#67
Ethyl Benzene
Concen: 2.35 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. -0.000 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

Tgt Ion: 91 Resp: 22458
Ion Ratio Lower Upper
91 100
106 30.8 24.5 36.7

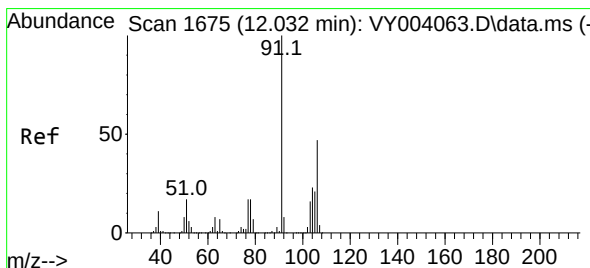
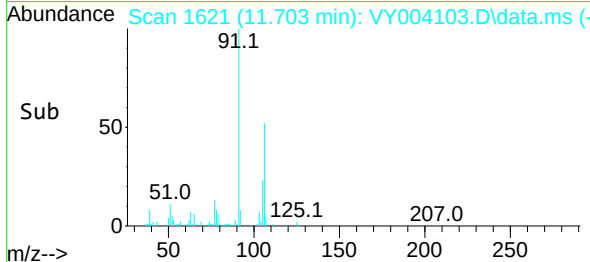
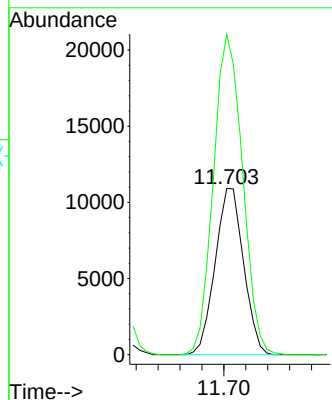
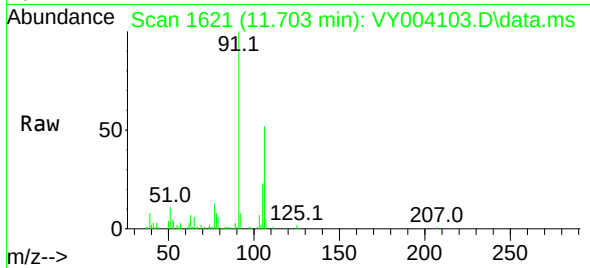




#68
m/p-Xylenes
Concen: 5.39 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

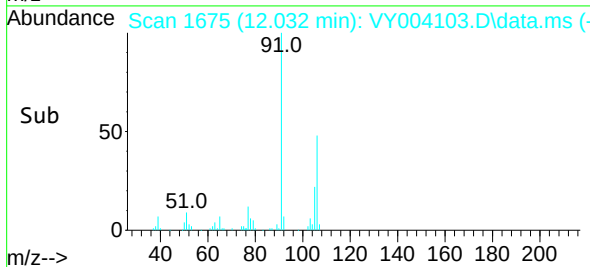
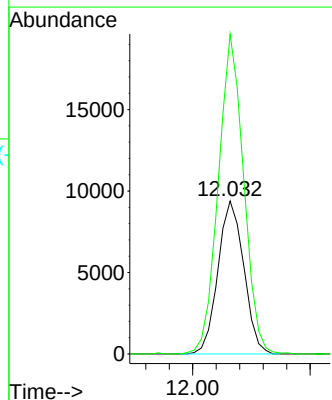
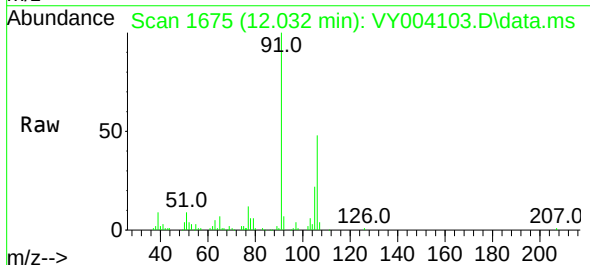
Instrument :
MSVOA_Y
ClientSampleId :

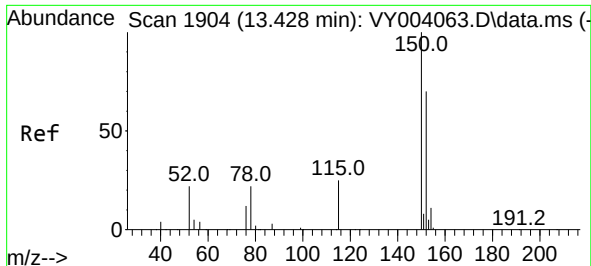
Tgt Ion:106 Resp: 19641
Ion Ratio Lower Upper
106 100
91 197.7 165.4 248.0



#69
o-Xylene
Concen: 4.17 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

Tgt Ion:106 Resp: 14348
Ion Ratio Lower Upper
106 100
91 204.7 108.9 326.7

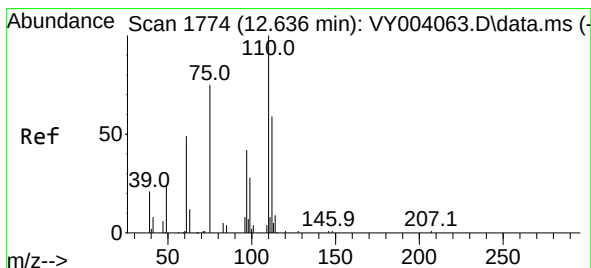
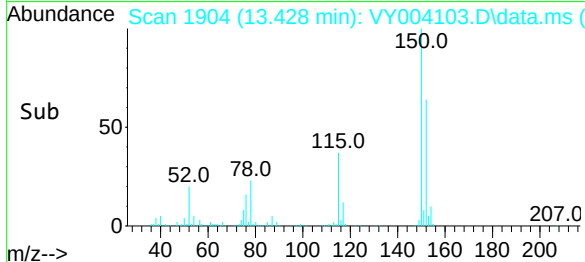
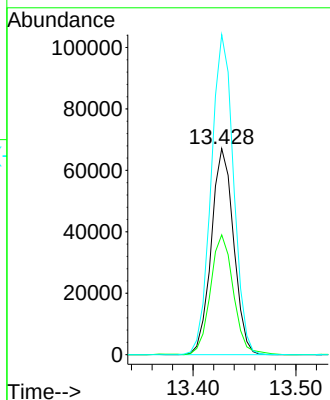
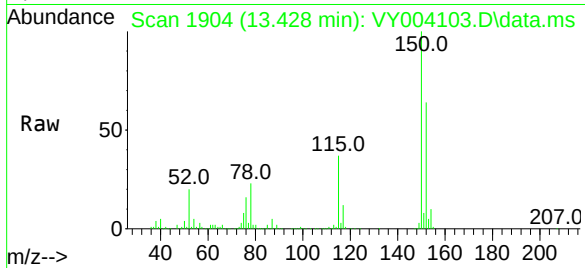




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY004103.D
 Acq: 17 Mar 2021 15:10

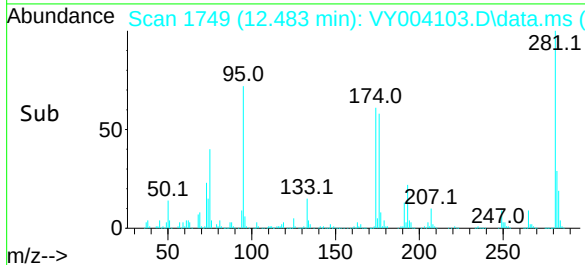
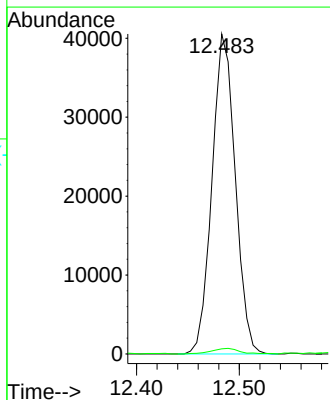
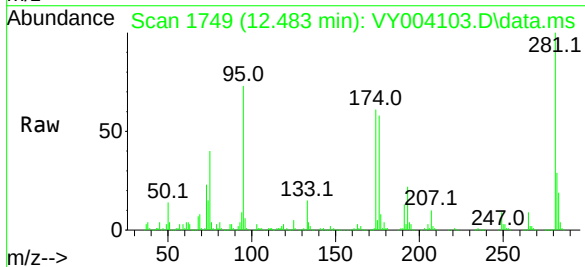
Instrument :
 MSVOA_Y
 ClientSampled :

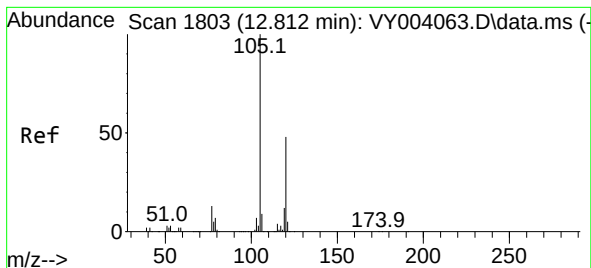
Tgt Ion:152 Resp: 101142
 Ion Ratio Lower Upper
 152 100
 115 59.7 28.2 84.6
 150 155.8 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 65.62 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY004103.D
 Acq: 17 Mar 2021 15:10

Tgt Ion: 75 Resp: 63641
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#

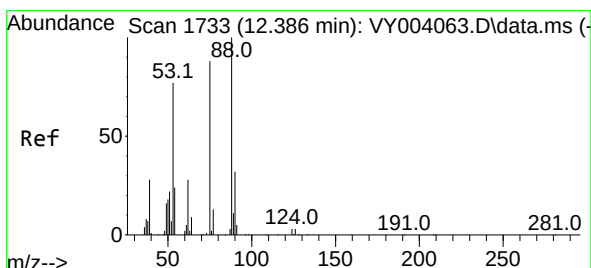
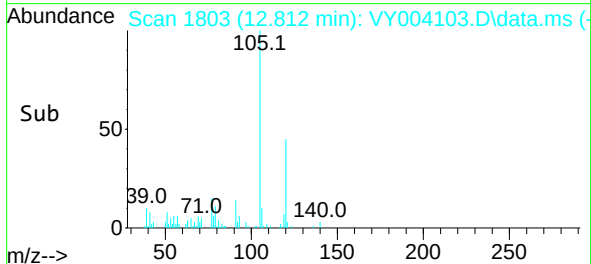
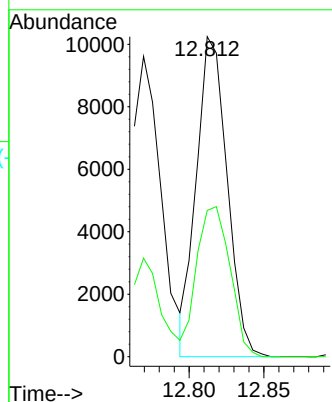
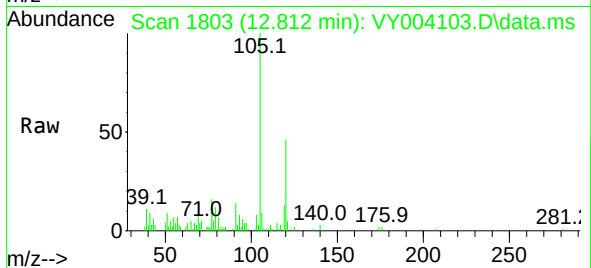




#80
1,3,5-Trimethylbenzene
Concen: 2.46 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

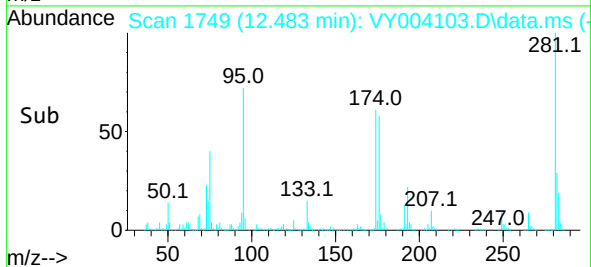
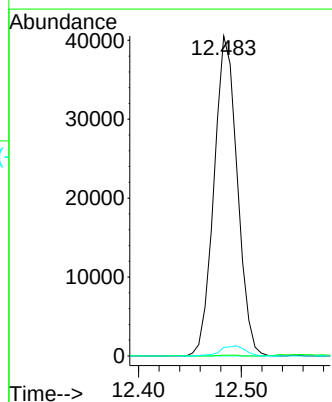
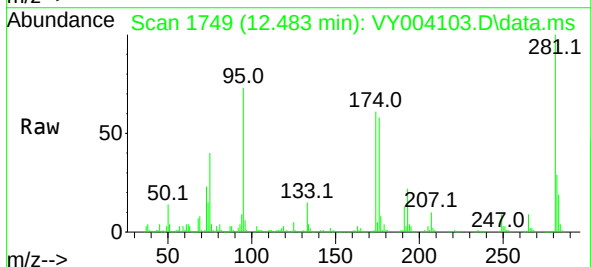
Instrument :
MSVOA_Y
ClientSampled :

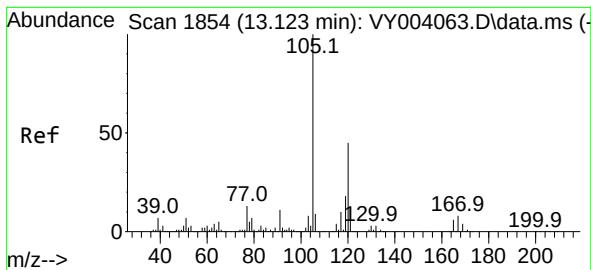
Tgt Ion:105 Resp: 14658
Ion Ratio Lower Upper
105 100
120 51.0 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 129.51 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004103.D
Acq: 17 Mar 2021 15:10

Tgt Ion: 75 Resp: 63641
Ion Ratio Lower Upper
75 100
53 0.2 73.5 110.3#
89 3.3 35.7 53.5#





#84
 1,2,4-Trimethylbenzene
 Concen: 1.92 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY004103.D
 Acq: 17 Mar 2021 15:10

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:105 Resp: 11465
 Ion Ratio Lower Upper
 105 100
 120 48.8 22.1 66.3

