

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
 Data File : VY004107.D
 Acq On : 17 Mar 2021 16:44
 Operator : SY/MD
 Sample : M1681-38RE
 Misc : 5.37g/5mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

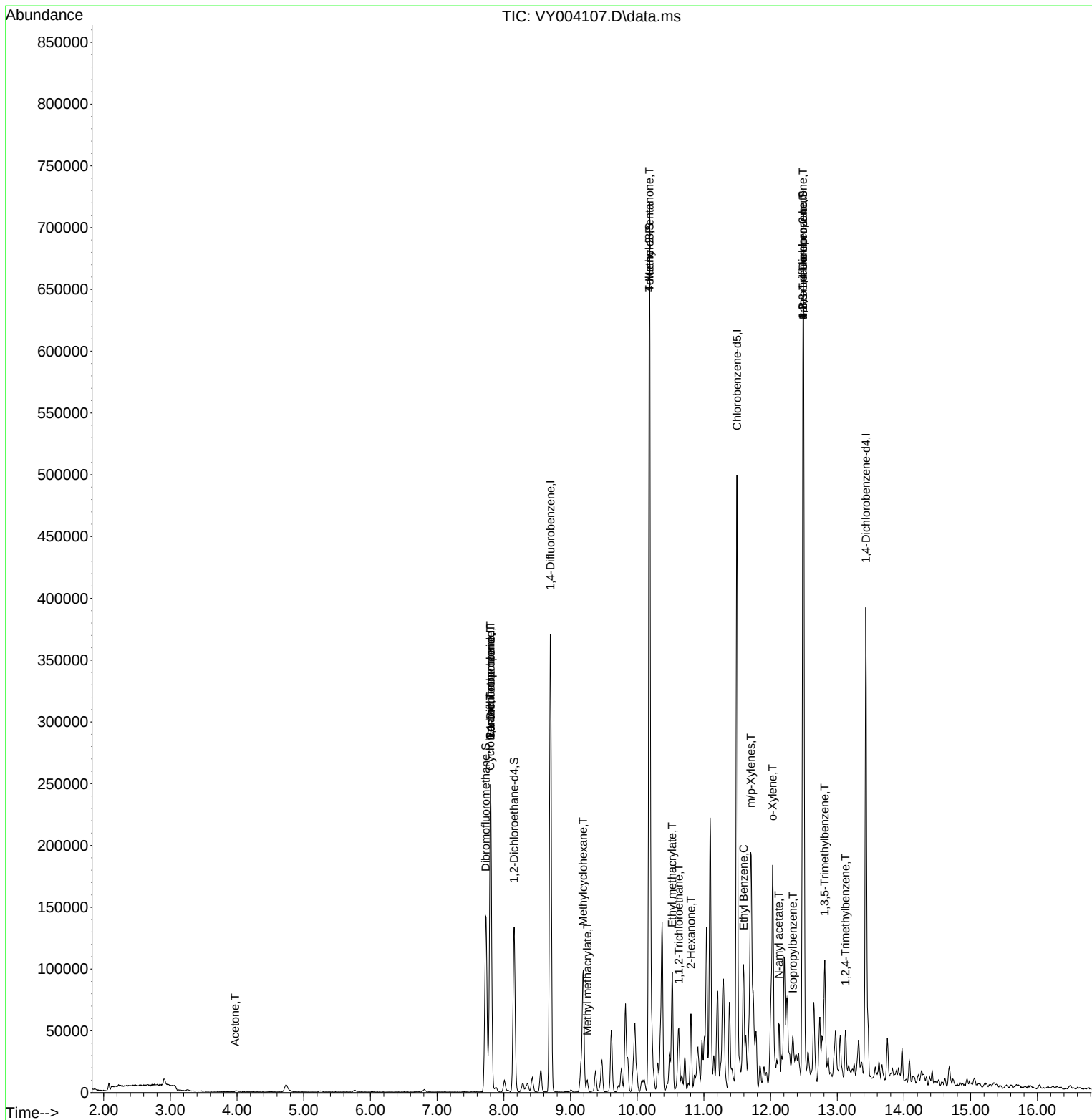
Quant Time: Mar 18 01:50:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	191717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	321255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	266840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97336	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	104150	55.05	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.10%			
35) Dibromofluoromethane	7.728	113	99003	54.65	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.30%			
50) Toluene-d8	10.185	98	379538	53.44	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.88%			
62) 4-Bromofluorobenzene	12.483	95	107685	41.05	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.10%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	830	Below Cal	#	88
16) Acetone	3.972	43	1883	4.12	ug/l	93
20) Methylene Chloride	4.734	84	4265	Below Cal		85
31) Cyclohexane	7.795	56	6893	2.08	ug/l #	52
36) 1,1-Dichloropropene	7.801	75	13907	4.93	ug/l #	50
38) Carbon Tetrachloride	7.801	117	18137	6.06	ug/l #	16
39) Methylcyclohexane	9.191	83	42812	11.74	ug/l	92
48) Methyl methacrylate	9.252	41	2028	1.40	ug/l #	35
51) 4-Methyl-2-Pentanone	10.185	43	6434	4.16	ug/l #	83
55) 1,1,2-Trichloroethane	10.624	97	18561	11.63	ug/l #	20
56) Ethyl methacrylate	10.526	69	9202	4.12	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.612	63	161	Below Cal	#	47
59) 2-Hexanone	10.806	43	22000	20.27	ug/l #	29
67) Ethyl Benzene	11.599	91	50272	5.35	ug/l	93
68) m/p-Xylenes	11.703	106	51621	14.42	ug/l	94
69) o-Xylene	12.032	106	42633	12.60	ug/l	93
73) Isopropylbenzene	12.337	105	10001	1.48	ug/l	97
74) N-amyl acetate	12.123	43	10813	5.58	ug/l #	50
76) 1,2,3-Trichloropropane	12.483	75	59266	63.50	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	21583	3.76	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.483	75	59266	125.32	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.123	105	18998	3.31	ug/l	96

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

Quant Time: Mar 18 01:50:40 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

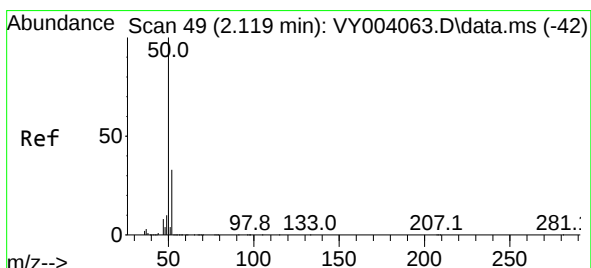
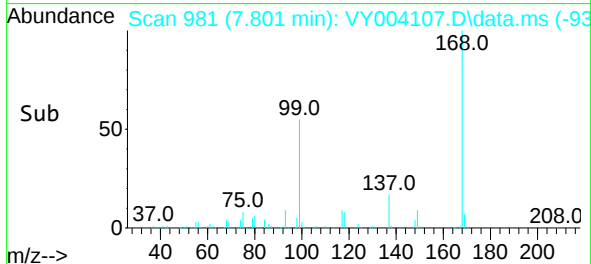
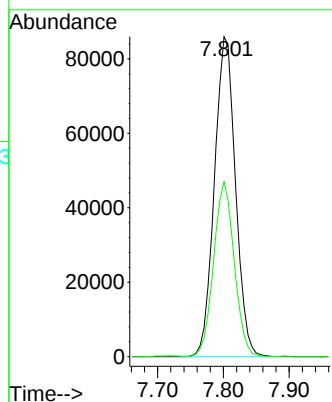
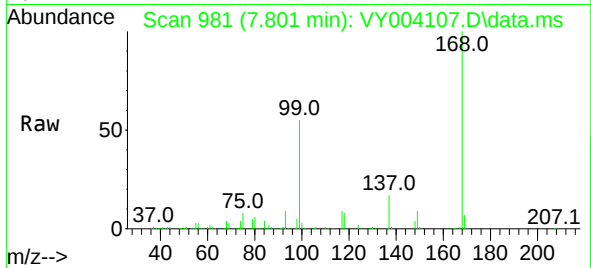




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

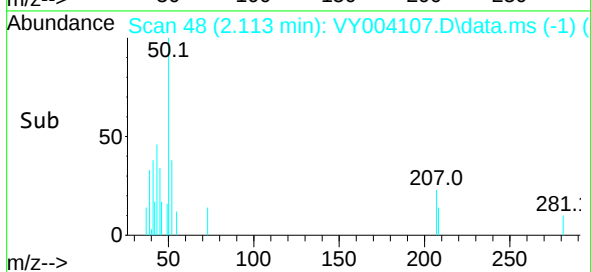
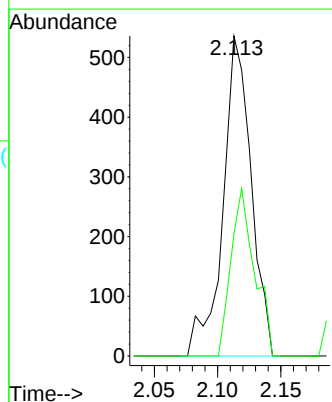
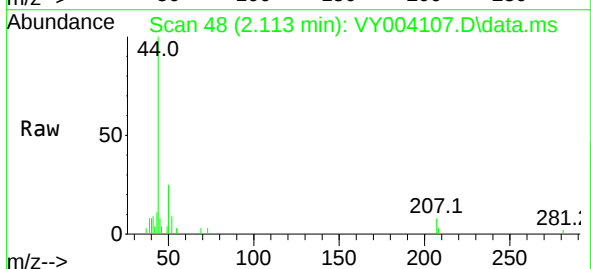
Instrument :
MSVOA_Y
ClientSampled :

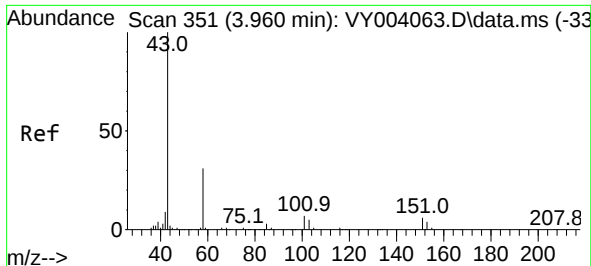
Tgt Ion:168 Resp: 191717
Ion Ratio Lower Upper
168 100
99 54.6 41.2 61.8



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

Tgt Ion: 50 Resp: 830
Ion Ratio Lower Upper
50 100
52 38.2 25.4 38.2#

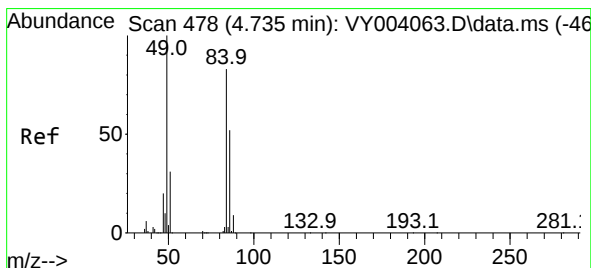
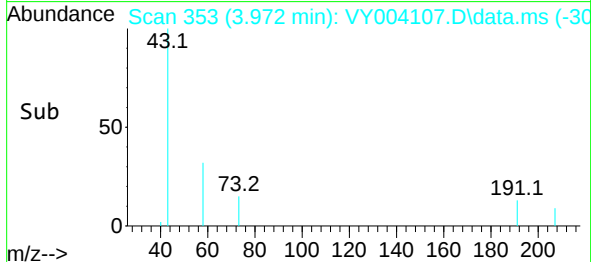
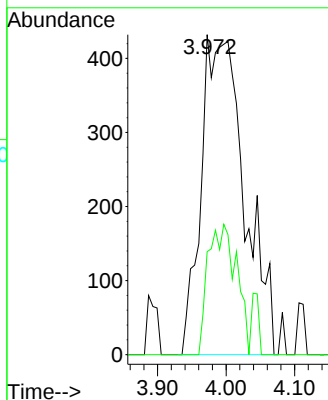
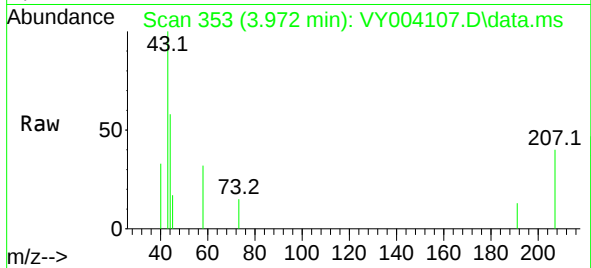




#16
Acetone
Concen: 4.12 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

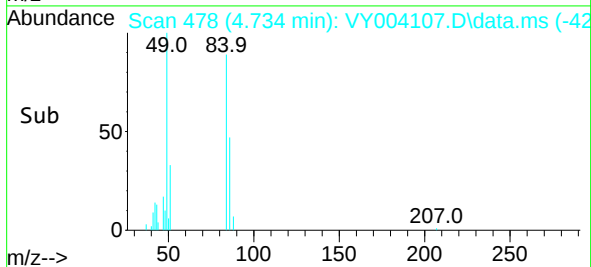
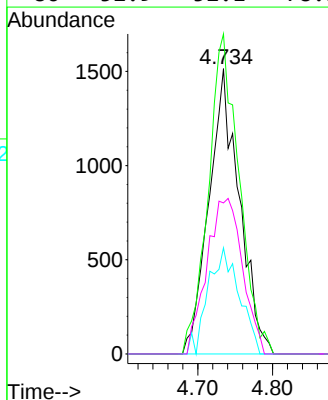
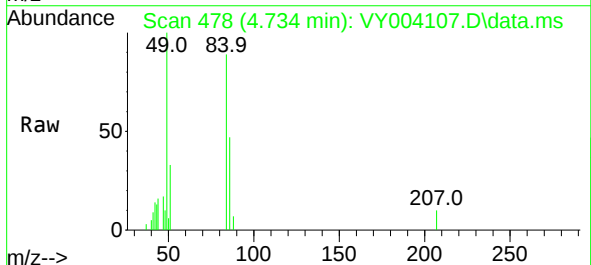
Instrument :
MSVOA_Y
ClientSampleId :

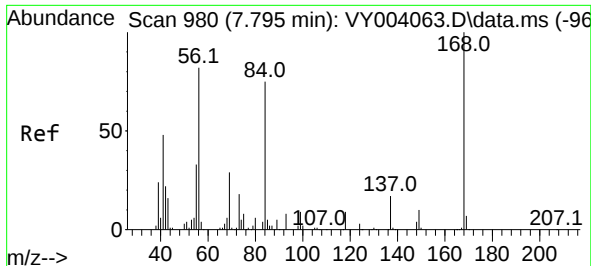
Tgt Ion: 43 Resp: 1883
Ion Ratio Lower Upper
43 100
58 32.2 22.6 34.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.734 min Scan# 478
Delta R.T. -0.001 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

Tgt Ion: 84 Resp: 4265
Ion Ratio Lower Upper
84 100
49 112.1 105.8 158.6
51 37.2 32.6 48.8
86 52.9 52.1 78.1

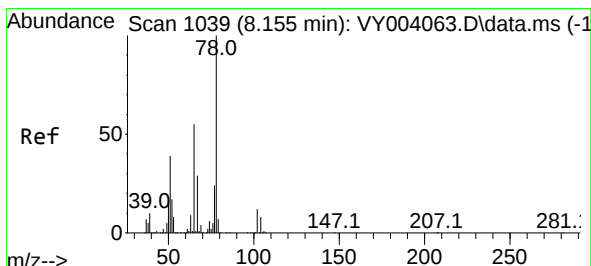
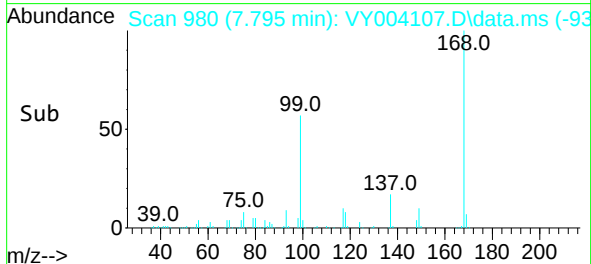
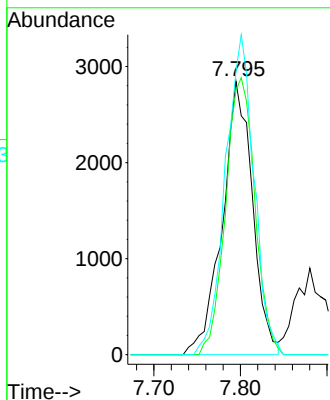
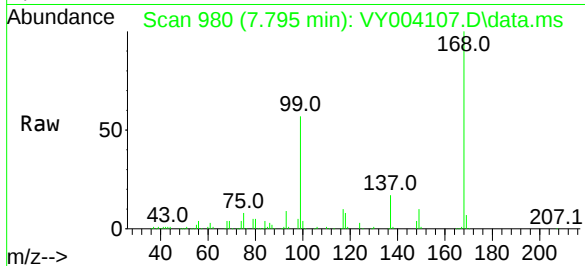




#31
Cyclohexane
Concen: 2.08 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

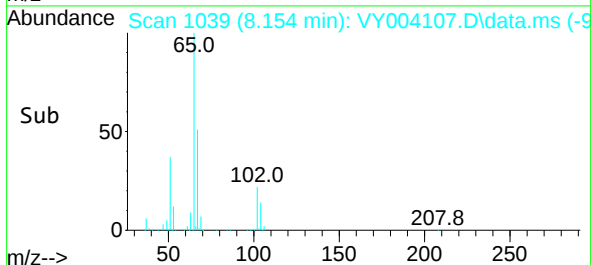
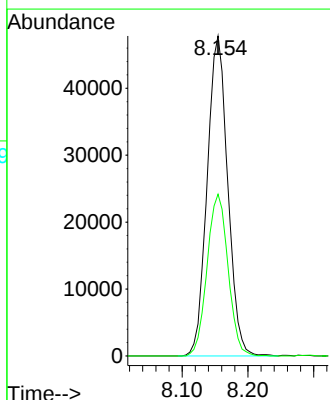
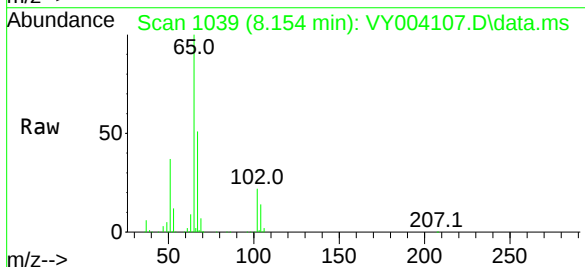
Instrument :
MSVOA_Y
ClientSampleId :

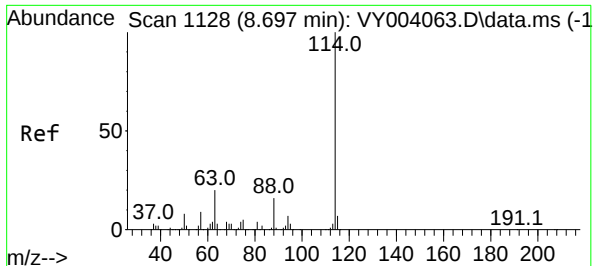
Tgt Ion: 56 Resp: 6893
Ion Ratio Lower Upper
56 100
69 96.6 25.3 37.9#
84 103.5 67.3 100.9#



#33
1,2-Dichloroethane-d4
Concen: 55.05 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. -0.001 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

Tgt Ion: 65 Resp: 104150
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.4

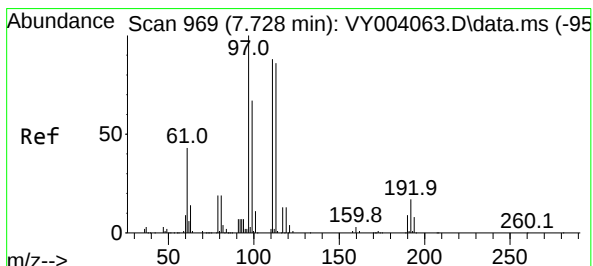
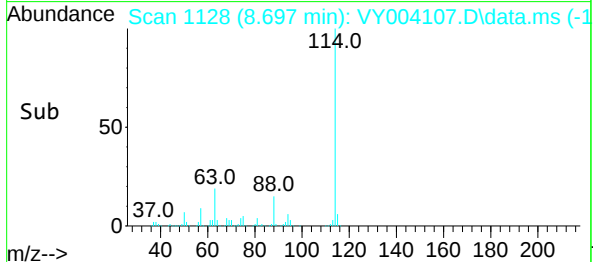
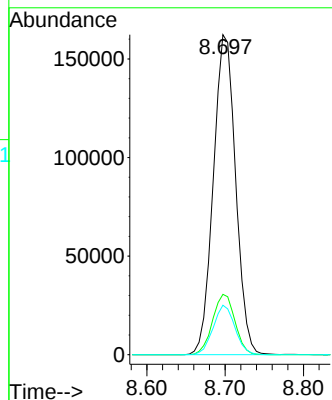
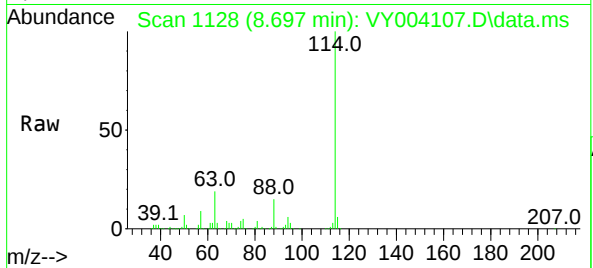




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

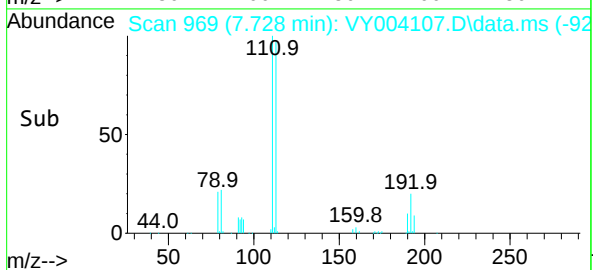
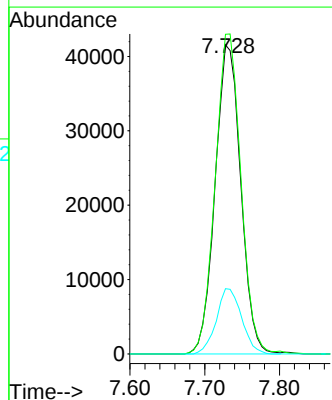
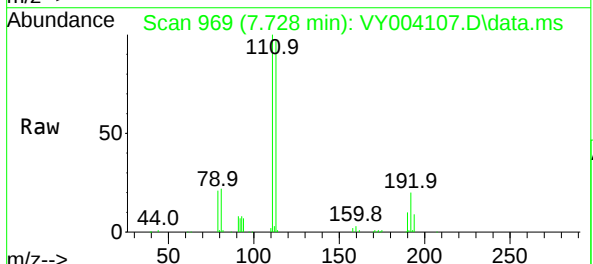
Instrument :
MSVOA_Y
ClientSampleId :

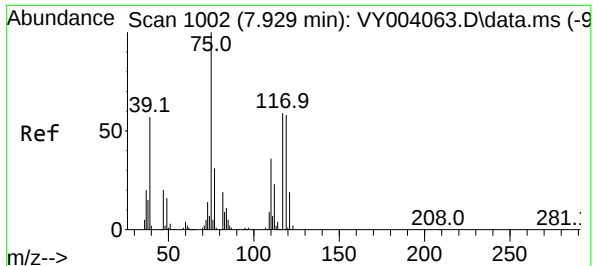
Tgt Ion:	114	Resp:	321255
Ion Ratio	Lower	Upper	
114	100		
63	18.9	0.0	41.6
88	15.5	0.0	31.4



#35
Dibromofluoromethane
Concen: 54.65 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

Tgt Ion:	113	Resp:	99003
Ion Ratio	Lower	Upper	
113	100		
111	104.1	83.2	124.8
192	20.8	18.5	27.7

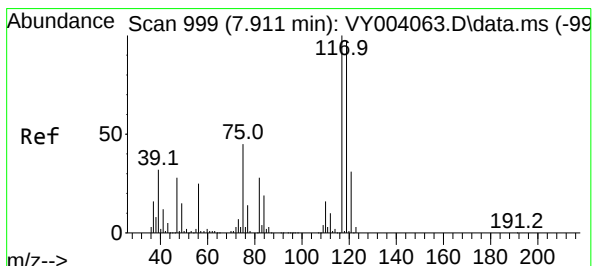
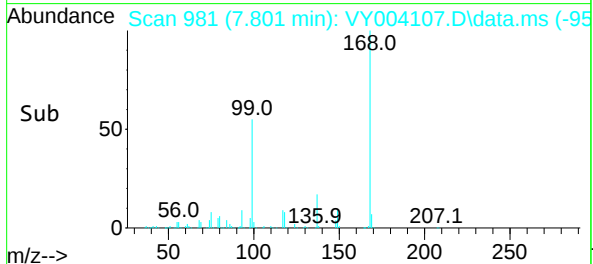
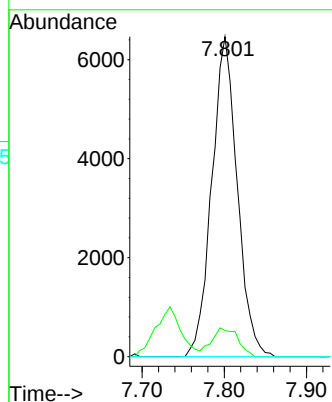
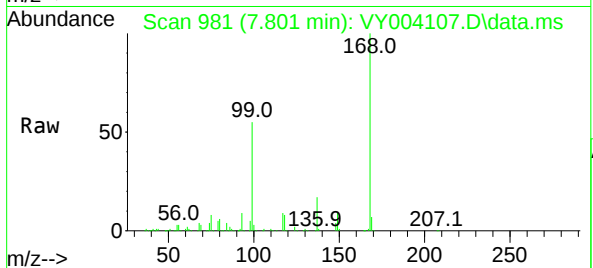




#36
1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

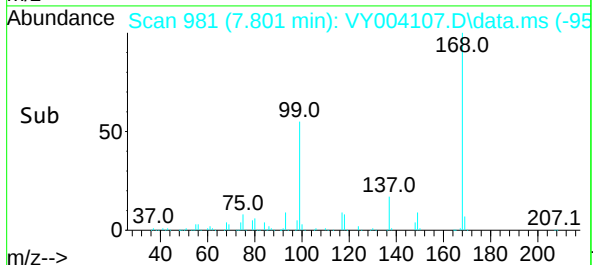
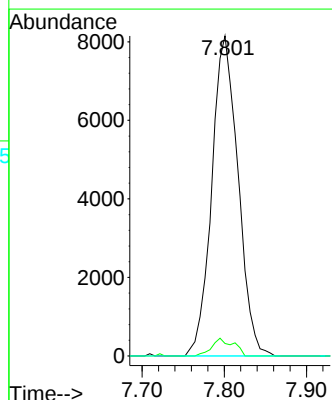
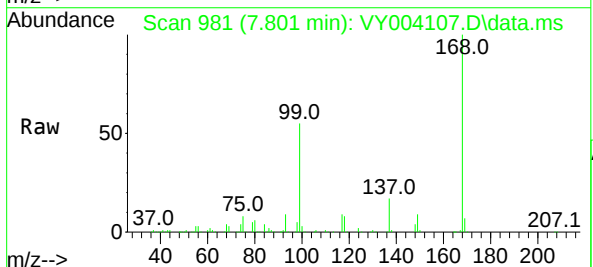
Instrument :
MSVOA_Y
ClientSampleId :

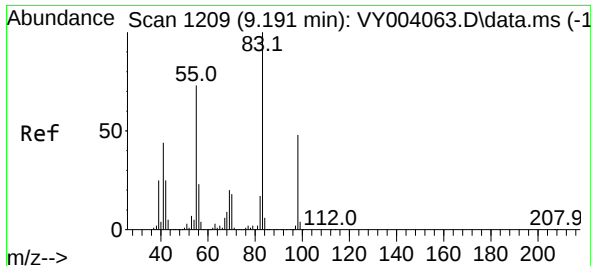
Tgt Ion: 75 Resp: 13907
Ion Ratio Lower Upper
75 100
110 9.3 17.4 52.3#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.06 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

Tgt Ion: 117 Resp: 18137
Ion Ratio Lower Upper
117 100
119 3.9 75.4 113.0#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 11.74 ug/l

RT: 9.191 min Scan# 1209

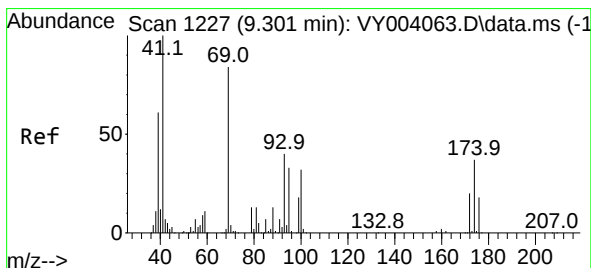
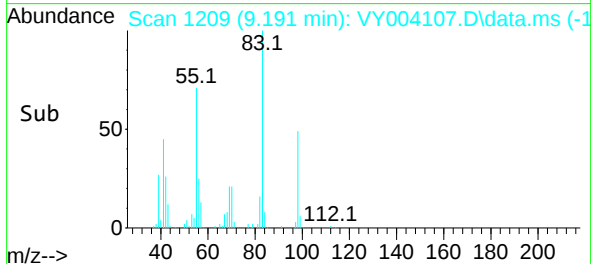
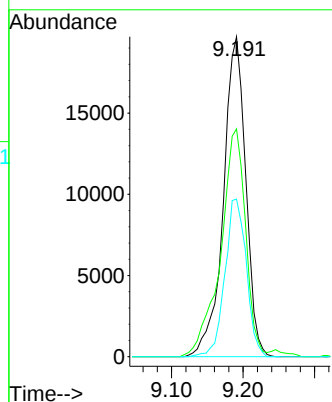
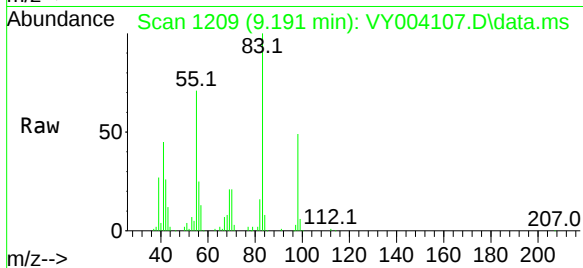
Delta R.T. -0.000 min

Lab File: VY004107.D

Acq: 17 Mar 2021 16:44

Tgt Ion: 83 Resp: 42812

Ion	Ratio	Lower	Upper
83	100		
55	71.2	65.6	98.4
98	49.2	39.5	59.3



#48

Methyl methacrylate

Concen: 1.40 ug/l

RT: 9.252 min Scan# 1219

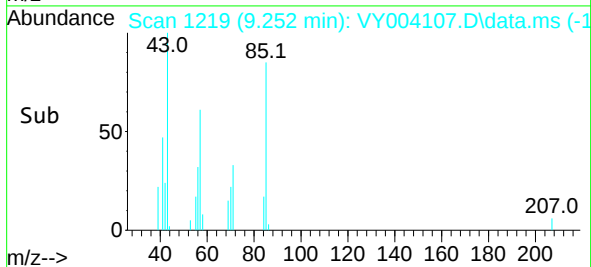
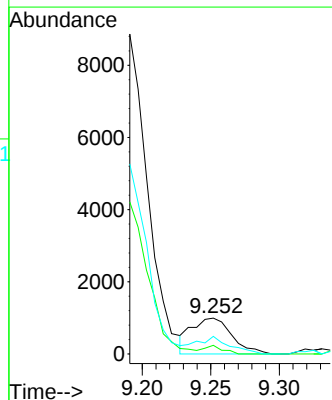
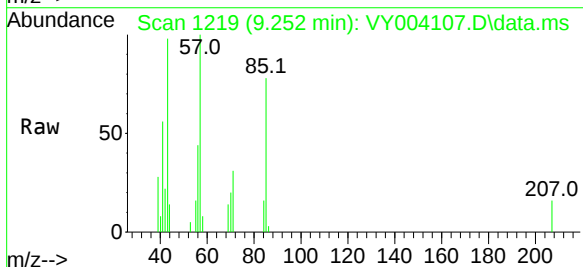
Delta R.T. -0.049 min

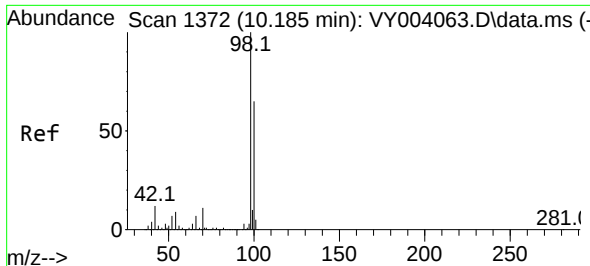
Lab File: VY004107.D

Acq: 17 Mar 2021 16:44

Tgt Ion: 41 Resp: 2028

Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.1	97.7#
39	36.5	44.2	66.2#

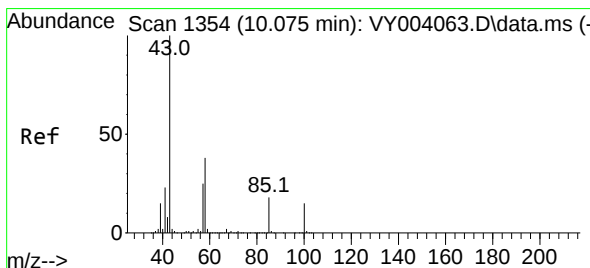
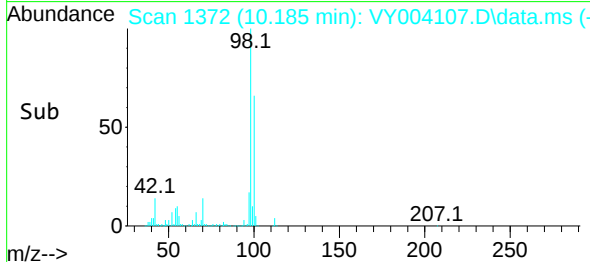
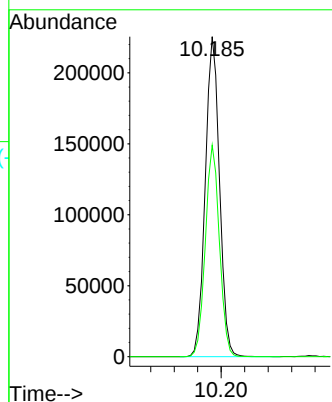
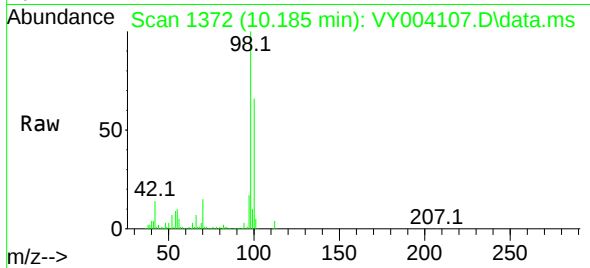




#50
Toluene-d8
Concen: 53.44 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

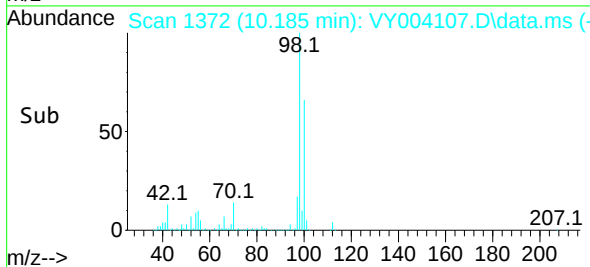
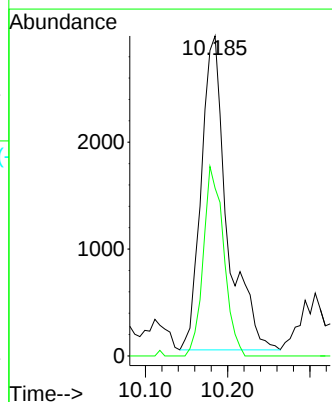
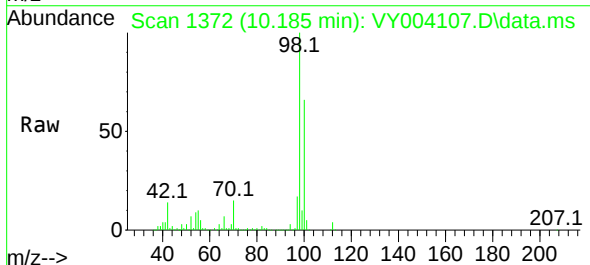
Instrument :
MSVOA_Y
ClientSampled :

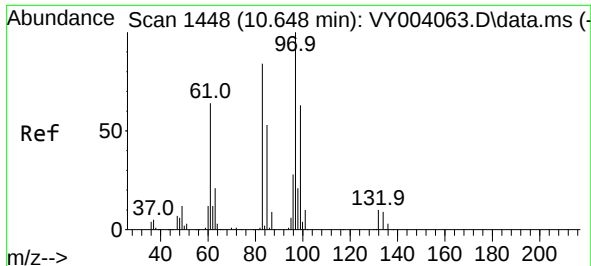
Tgt Ion: 98 Resp: 379538
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 4.16 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

Tgt Ion: 43 Resp: 6434
Ion Ratio Lower Upper
43 100
58 47.4 29.8 44.8#

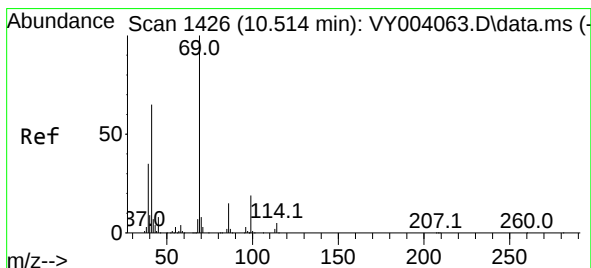
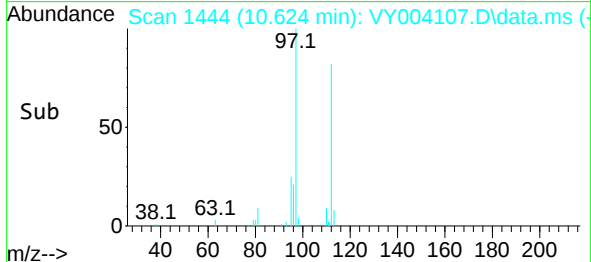
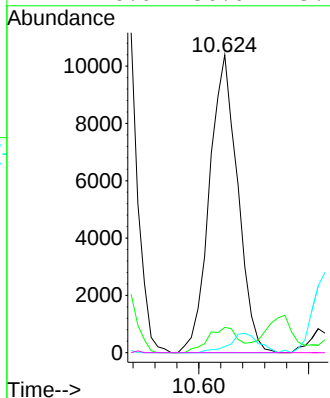
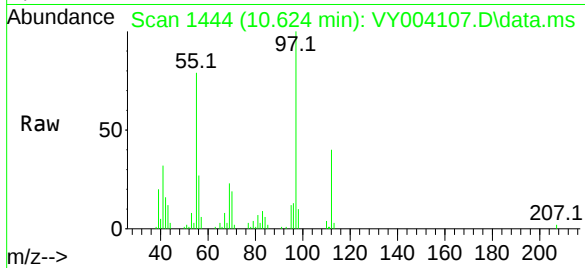




#55
1,1,2-Trichloroethane
Concen: 11.63 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

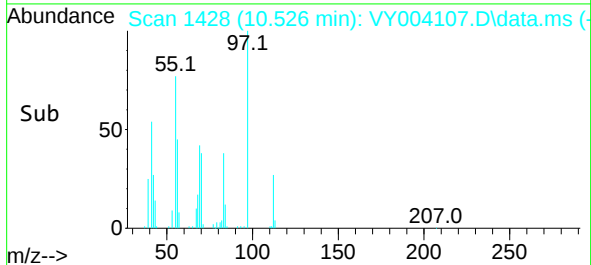
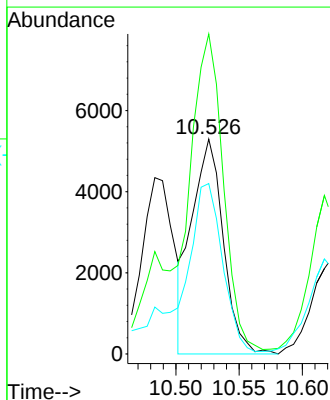
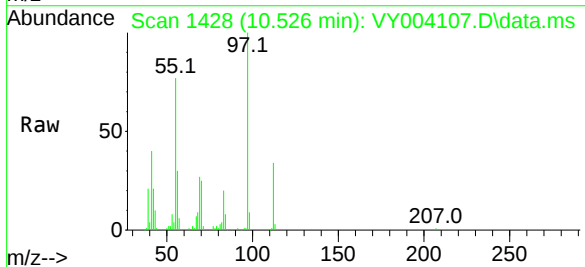
Instrument :
MSVOA_Y
ClientSampled :

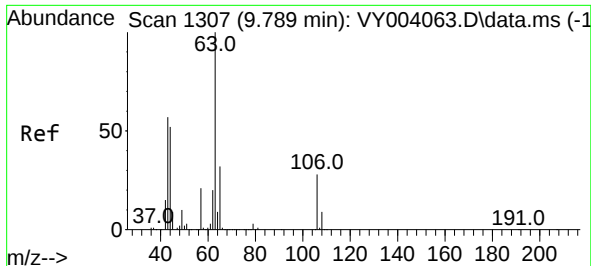
Tgt Ion: 97	Resp: 18561
Ion Ratio	Lower Upper
97 100	
83 8.5	69.4 104.0#
85 2.0	43.4 65.0#
99 0.0	50.0 75.0#



#56
Ethyl methacrylate
Concen: 4.12 ug/l
RT: 10.526 min Scan# 1428
Delta R.T. 0.012 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

Tgt Ion: 69	Resp: 9202
Ion Ratio	Lower Upper
69 100	
41 152.8	57.2 85.8#
39 104.5	27.8 41.6#

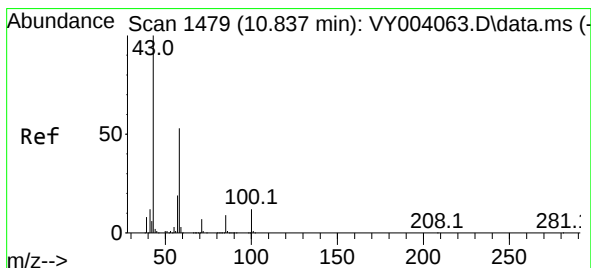
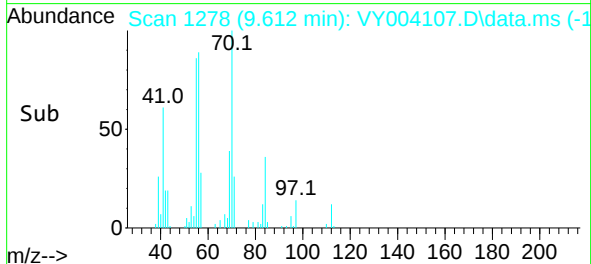
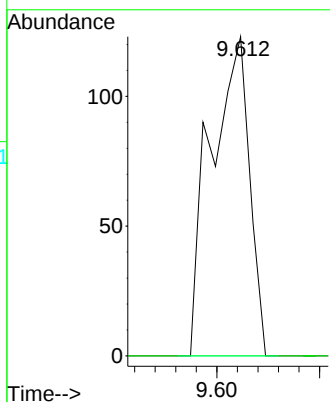
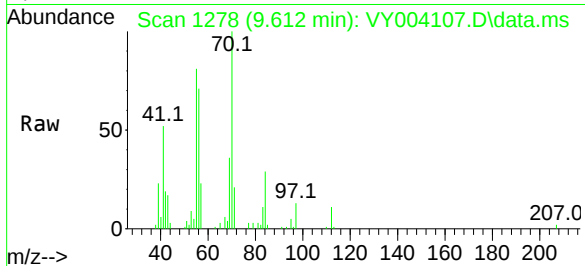




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.612 min Scan# 1278
Delta R.T. -0.177 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

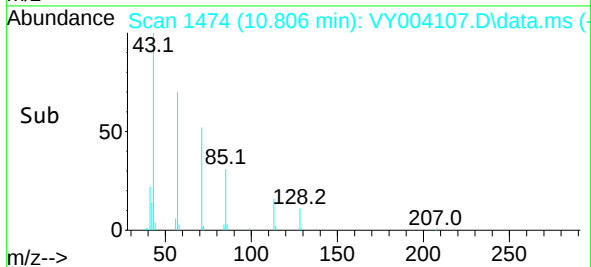
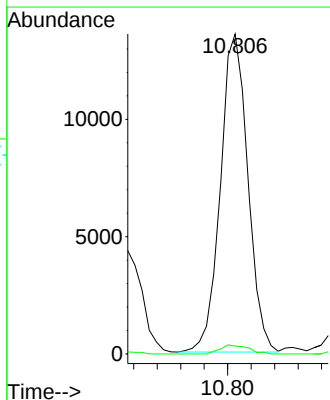
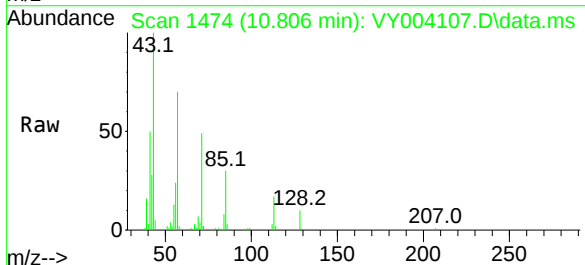
Instrument :
MSVOA_Y
ClientSampled :

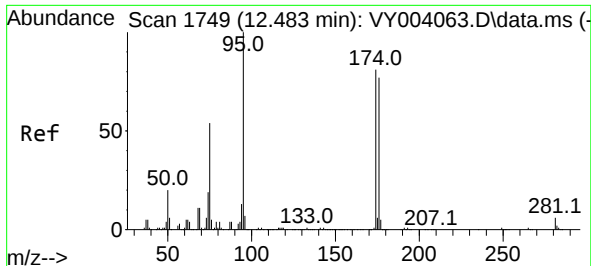
Tgt Ion: 63 Resp: 161
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#



#59
2-Hexanone
Concen: 20.27 ug/l
RT: 10.806 min Scan# 1474
Delta R.T. -0.031 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

Tgt Ion: 43 Resp: 22000
Ion Ratio Lower Upper
43 100
58 2.9 26.5 79.4#

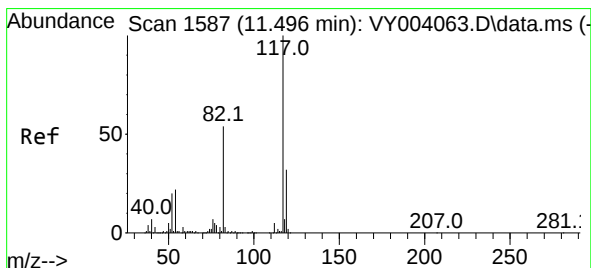
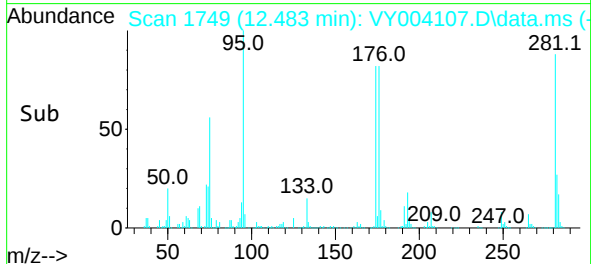
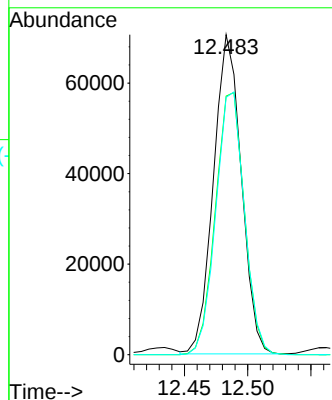
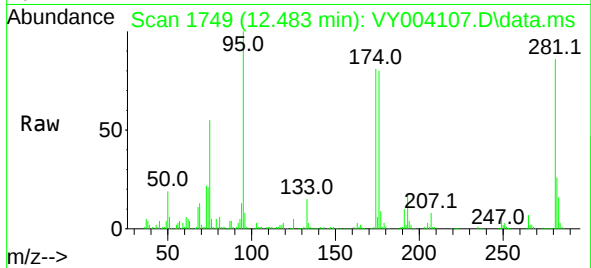




#62
4-Bromofluorobenzene
Concen: 41.05 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

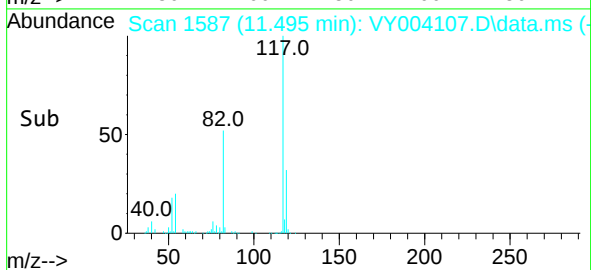
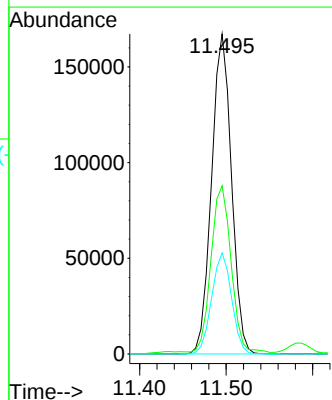
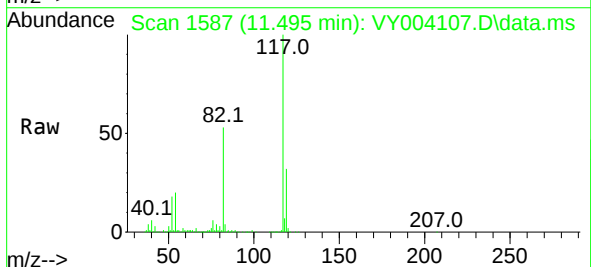
Instrument :
MSVOA_Y
ClientSampleId :

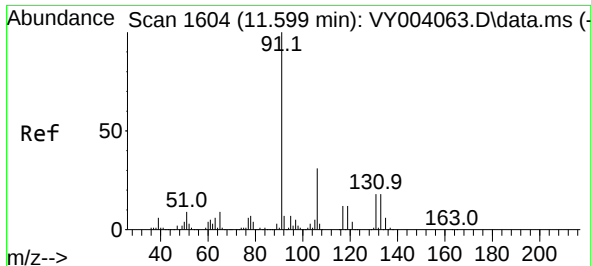
Tgt Ion: 95 Resp: 107685
Ion Ratio Lower Upper
95 100
174 85.4 0.0 179.0
176 84.3 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.001 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

Tgt Ion: 117 Resp: 266840
Ion Ratio Lower Upper
117 100
82 51.8 43.8 65.6
119 31.6 26.2 39.2

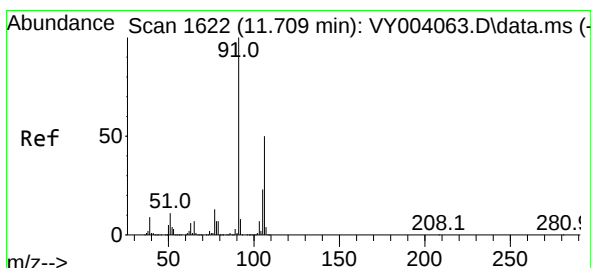
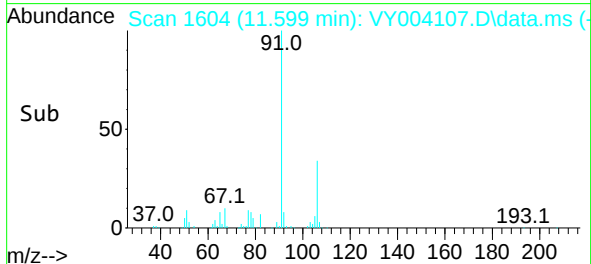
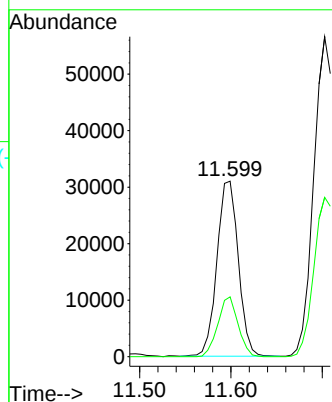
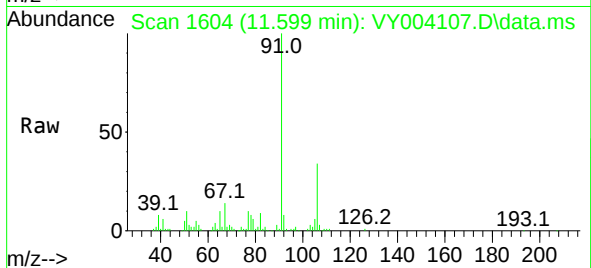




#67
Ethyl Benzene
Concen: 5.35 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. -0.000 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

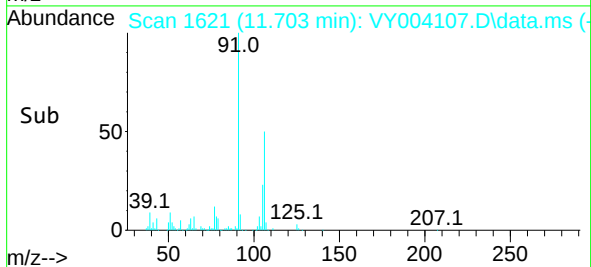
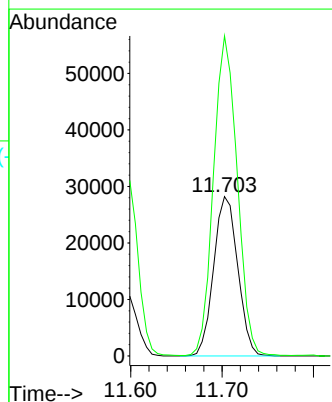
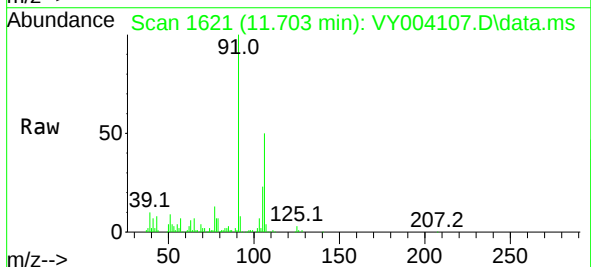
Instrument :
MSVOA_Y
ClientSampled :

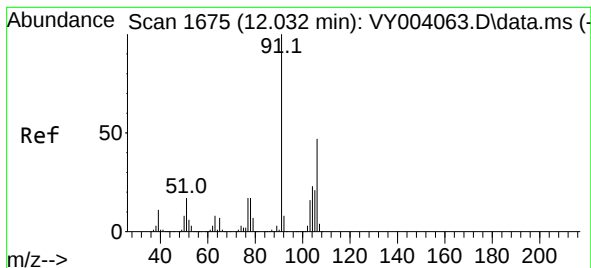
Tgt Ion: 91 Resp: 50272
Ion Ratio Lower Upper
91 100
106 34.2 24.5 36.7



#68
m/p-Xylenes
Concen: 14.42 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

Tgt Ion: 106 Resp: 51621
Ion Ratio Lower Upper
106 100
91 196.9 165.4 248.0

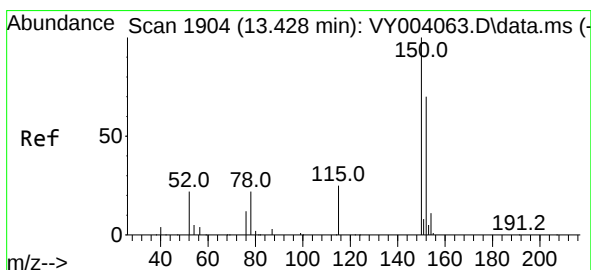
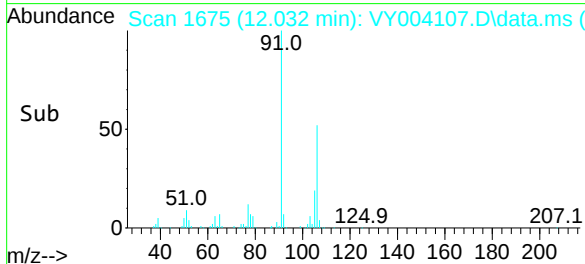
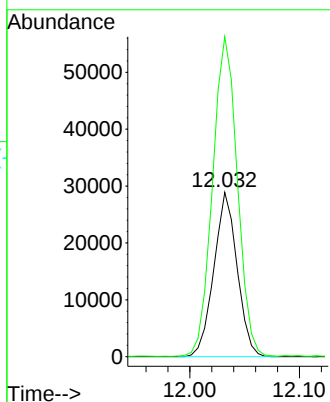
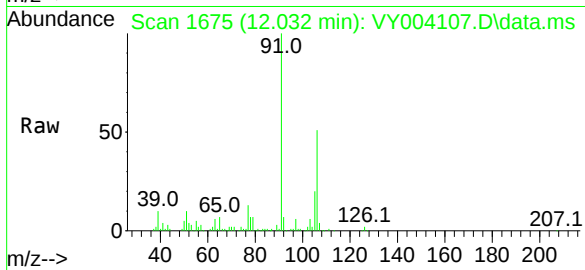




#69
o-Xylene
Concen: 12.60 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

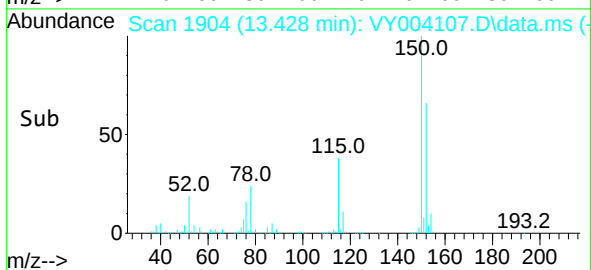
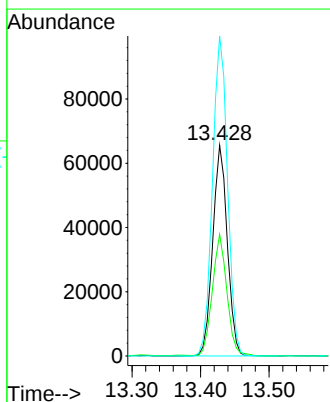
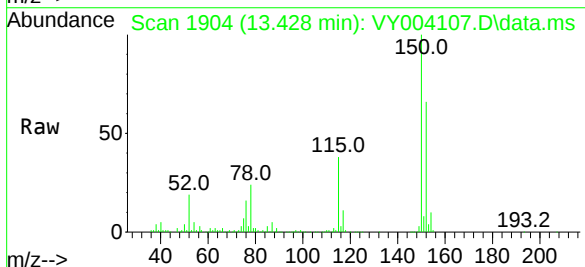
Instrument :
MSVOA_Y
ClientSampled :

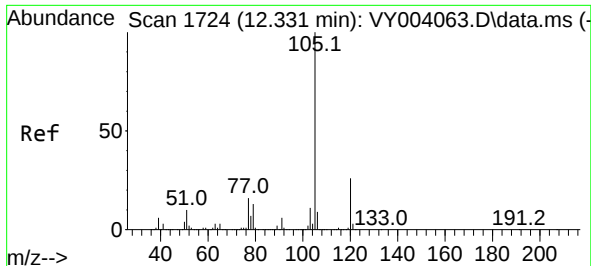
Tgt Ion:106 Resp: 42633
Ion Ratio Lower Upper
106 100
91 207.0 108.9 326.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

Tgt Ion:152 Resp: 97336
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.6
150 155.5 0.0 347.2

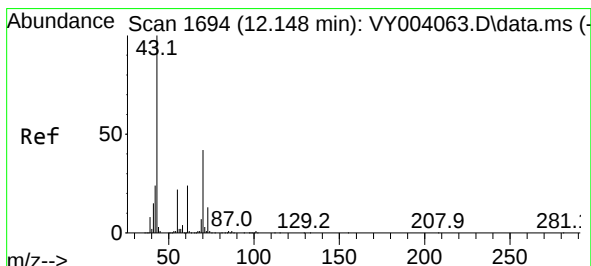
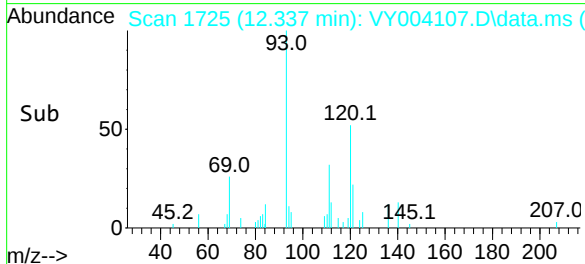
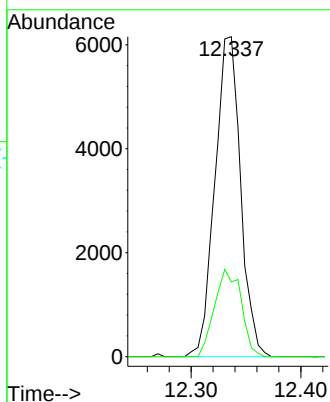
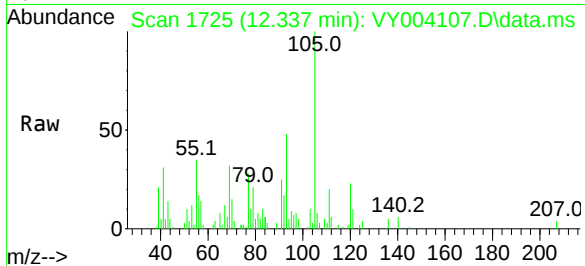




#73
Isopropylbenzene
Concen: 1.48 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

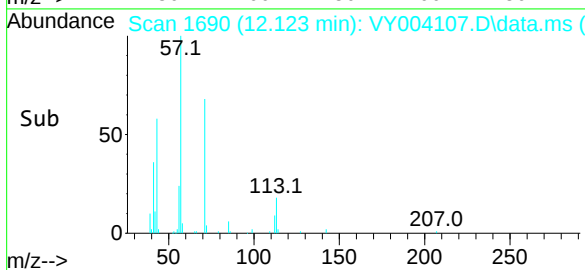
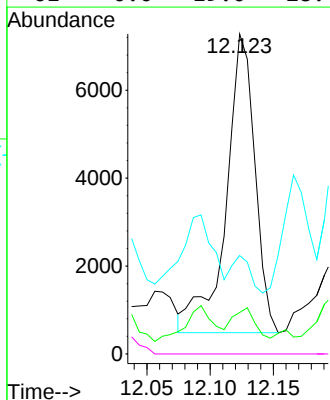
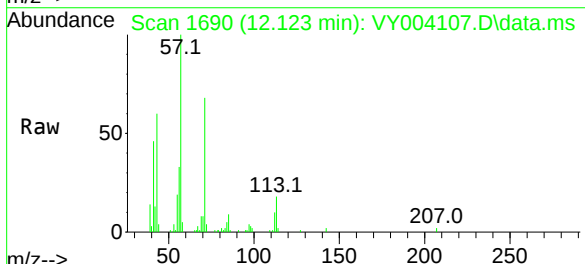
Instrument :
MSVOA_Y
ClientSampled :

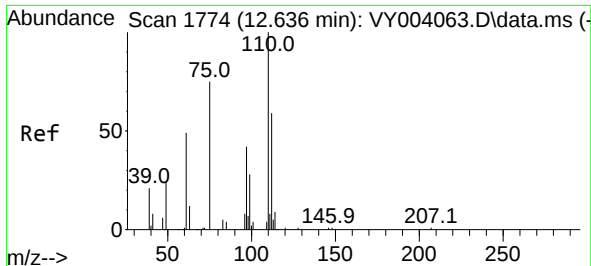
Tgt Ion:105 Resp: 10001
Ion Ratio Lower Upper
105 100
120 28.3 13.3 39.9



#74
N-ethyl acetate
Concen: 5.58 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.025 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

Tgt Ion: 43 Resp: 10813
Ion Ratio Lower Upper
43 100
70 7.3 32.3 48.5#
55 0.0 18.4 27.6#
61 0.0 19.0 28.4#

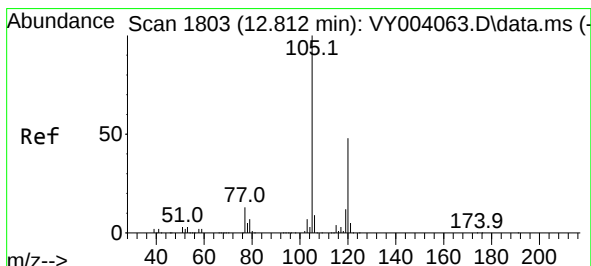
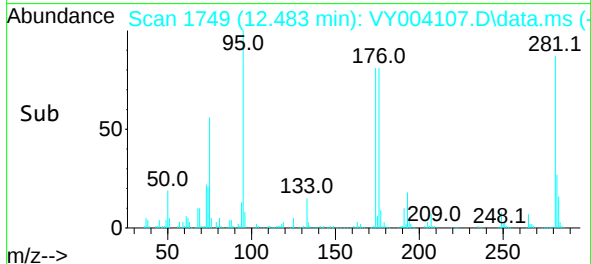
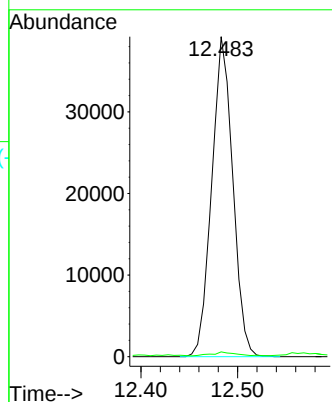
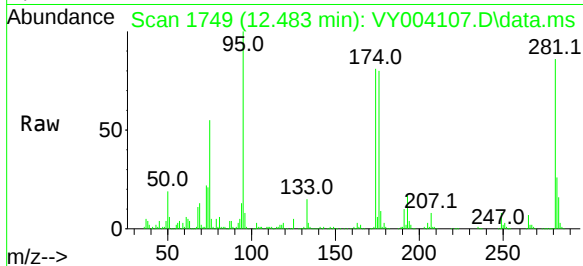




#76
1,2,3-Trichloropropane
Concen: 63.50 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

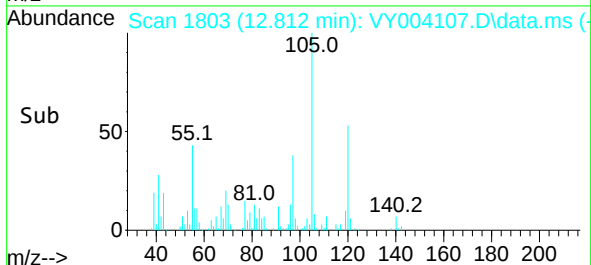
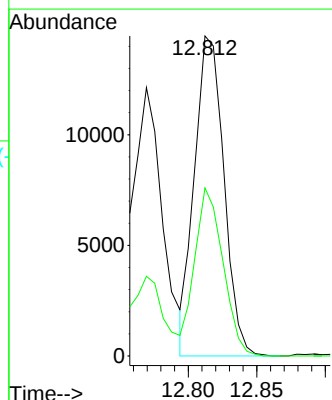
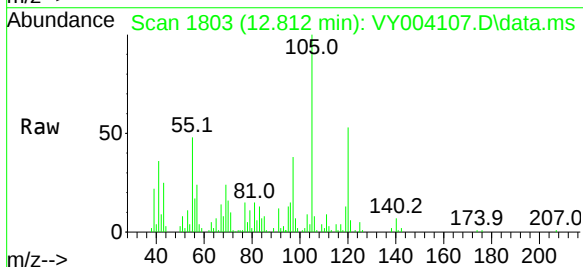
Instrument :
MSVOA_Y
ClientSampled :

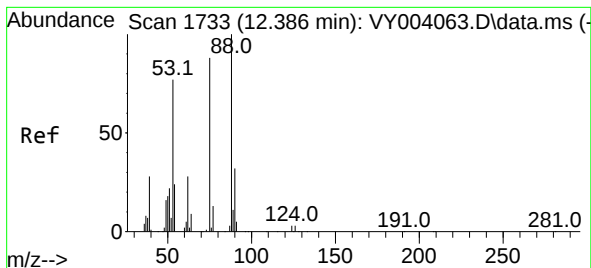
Tgt Ion: 75 Resp: 59266
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 3.76 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

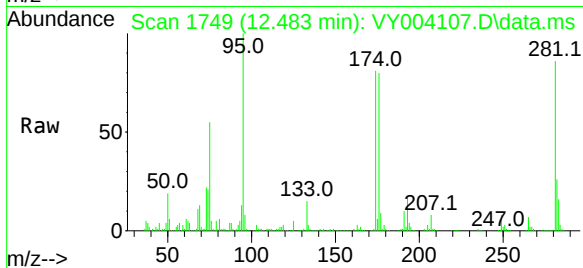
Tgt Ion:105 Resp: 21583
Ion Ratio Lower Upper
105 100
120 50.5 24.1 72.2



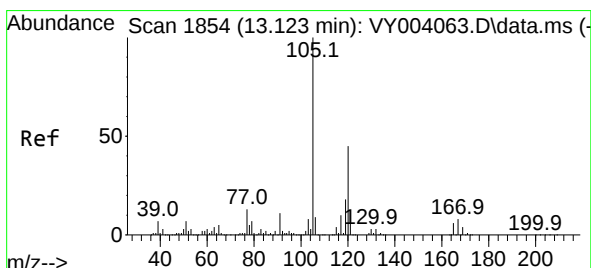
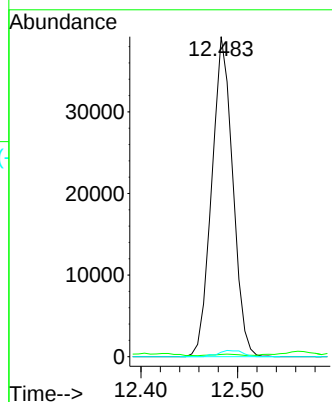
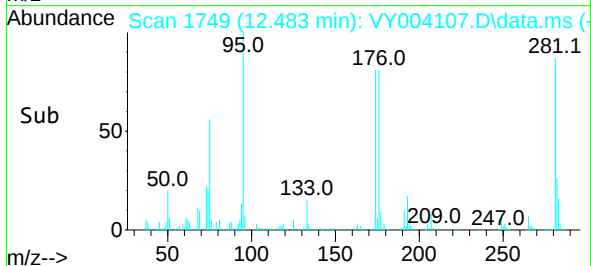


#81
trans-1,4-Dichloro-2-butene
Concen: 125.32 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44

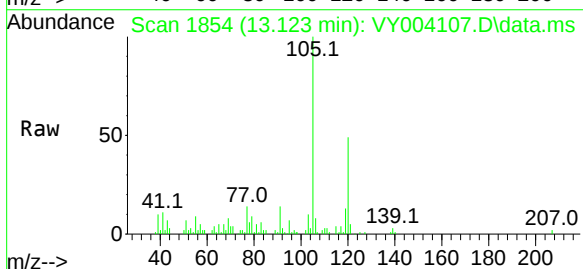
Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion: 75 Resp: 59266
Ion Ratio Lower Upper
75 100
53 0.5 73.5 110.3#
89 2.2 35.7 53.5#



#84
1,2,4-Trimethylbenzene
Concen: 3.31 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004107.D
Acq: 17 Mar 2021 16:44



Tgt Ion: 105 Resp: 18998
Ion Ratio Lower Upper
105 100
120 46.9 22.1 66.3

