

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042021\
 Data File : VY004524.D
 Acq On : 20 Apr 2021 13:25
 Operator : SY/MD
 Sample : M2090-05
 Misc : 5.98G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 21 08:50:27 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)

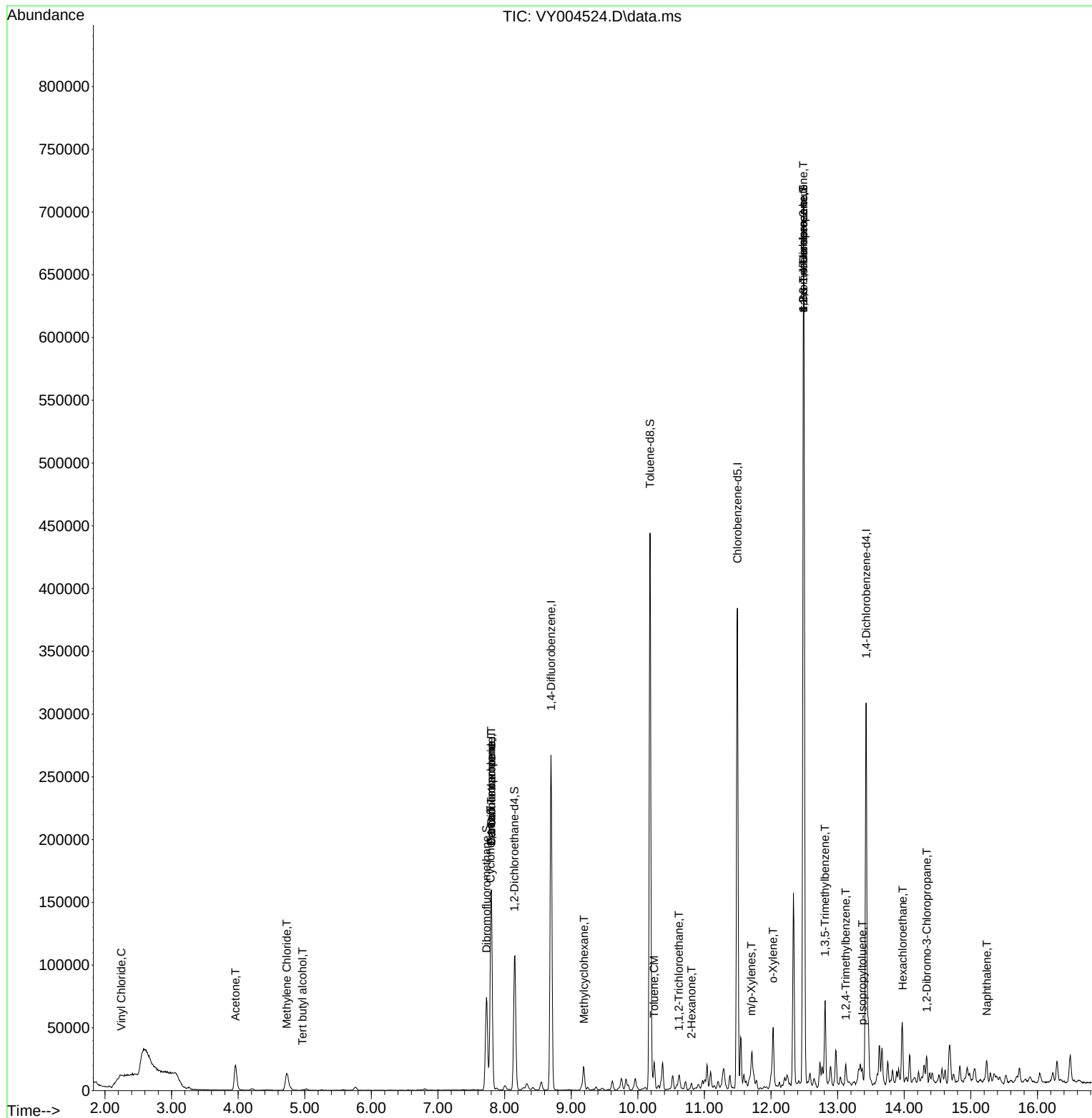
Internal Standards						
1) Pentafluorobenzene	7.801	168	118521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	214111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	196872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73702	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	81585	61.95	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.90%			
35) Dibromofluoromethane	7.728	113	51197	43.09	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.18%			
50) Toluene-d8	10.185	98	266806	52.79	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.58%			
62) 4-Bromofluorobenzene	12.483	95	85590	49.90	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.80%			
Target Compounds					Qvalue	
4) Vinyl Chloride	2.247	62	7148	4.26	ug/l #	43
11) Tert butyl alcohol	4.966	59	418	3.22	ug/l #	73
16) Acetone	3.960	43	35236	115.74	ug/l	100
20) Methylene Chloride	4.729	84	9612	7.56	ug/l	97
31) Cyclohexane	7.789	56	4584	1.90	ug/l #	53
36) 1,1-Dichloropropene	7.801	75	9601	4.51	ug/l #	51
38) Carbon Tetrachloride	7.801	117	11970	6.51	ug/l #	18
39) Methylcyclohexane	9.191	83	6630	2.53	ug/l	95
52) Toluene	10.246	92	8024	2.07	ug/l	99
55) 1,1,2-Trichloroethane	10.618	97	4104	3.55	ug/l #	19
59) 2-Hexanone	10.807	43	2113	2.36	ug/l #	28
68) m/p-Xylenes	11.703	106	3115	1.12	ug/l	99
69) o-Xylene	12.032	106	10728	4.10	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	51897	65.61	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	24025	5.19	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	51897	117.36	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	8377	1.79	ug/l	98
86) p-Isopropyltoluene	13.373	119	5620	1.12	ug/l	98
90) Hexachloroethane	13.977	117	1429	2.12	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.337	75	269	1.39	ug/l #	2
95) Naphthalene	15.239	128	13611	4.47	ug/l	98

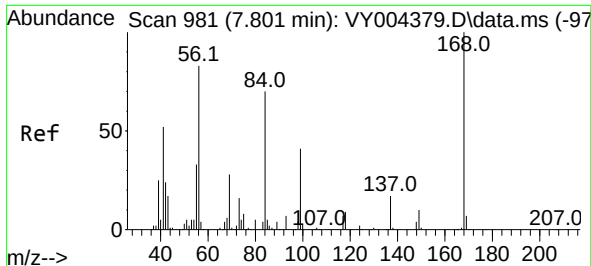
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
Response via : Initial Calibration

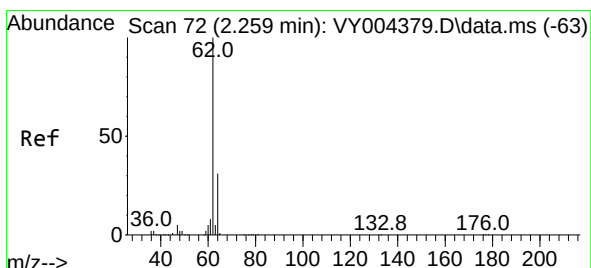
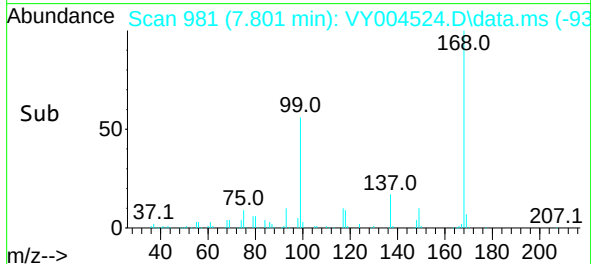
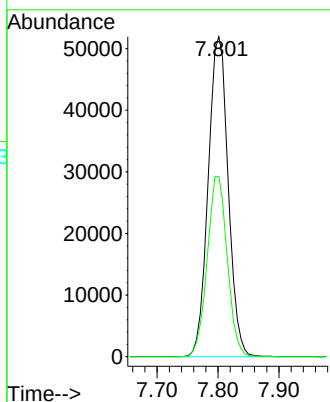
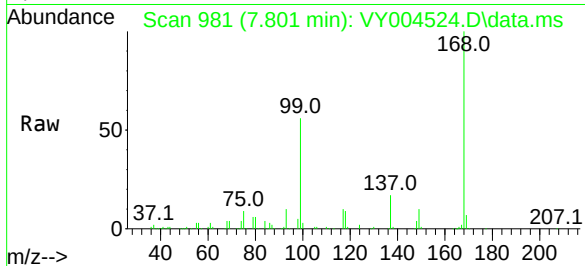




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

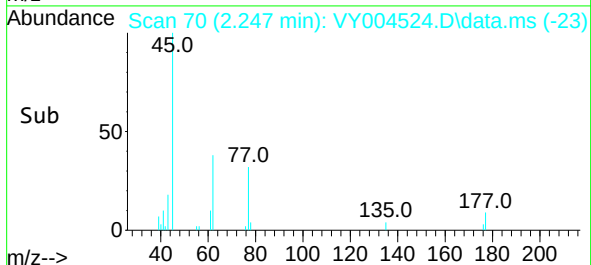
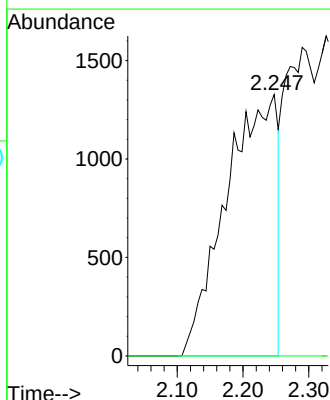
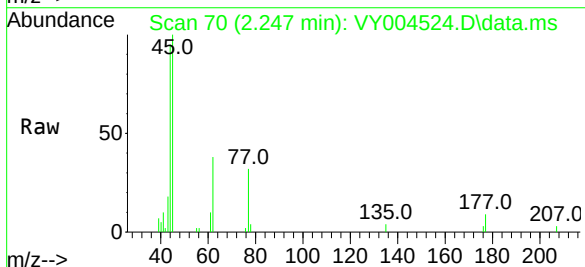
Instrument :
MSVOA_Y
ClientSampleId :

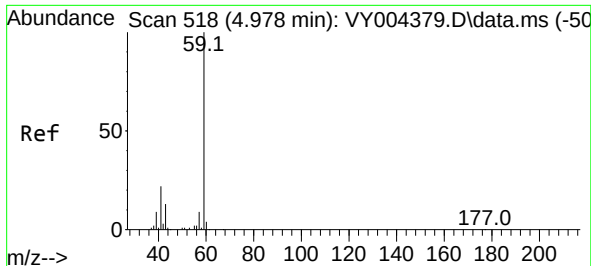
Tgt Ion:168 Resp: 118521
Ion Ratio Lower Upper
168 100
99 56.2 45.5 68.3



#4
Vinyl Chloride
Concen: 4.26 ug/l
RT: 2.247 min Scan# 70
Delta R.T. -0.012 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

Tgt Ion: 62 Resp: 7148
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 3.22 ug/l

RT: 4.966 min Scan# 516

Delta R.T. -0.012 min

Lab File: VY004524.D

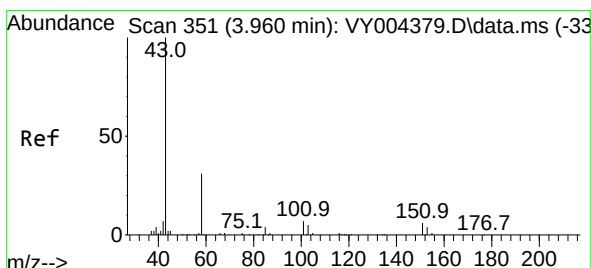
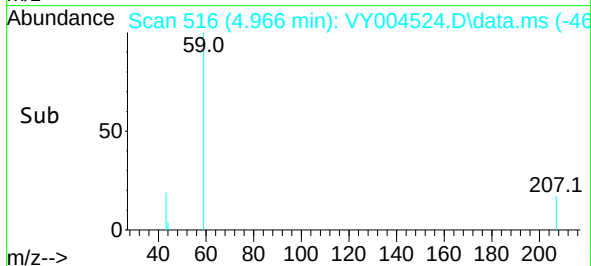
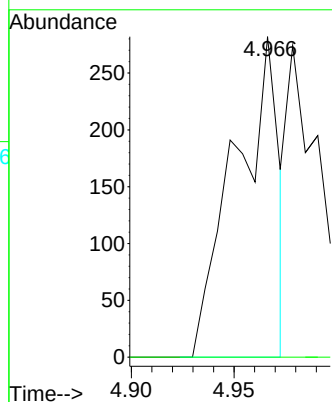
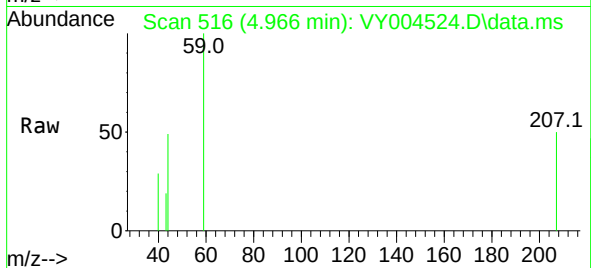
Acq: 20 Apr 2021 13:25

Tgt Ion: 59 Resp: 418

Ion Ratio Lower Upper

59 100
57 0.0 8.1 12.1#

Instrument :
MSVOA_Y
ClientSampleId :



#16

Acetone

Concen: 115.74 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.000 min

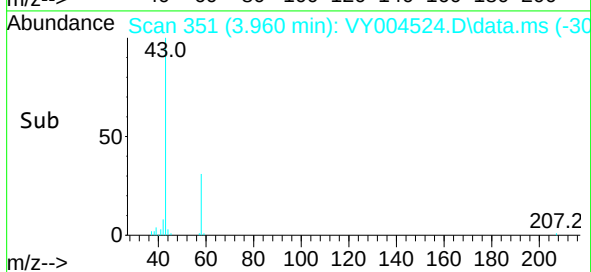
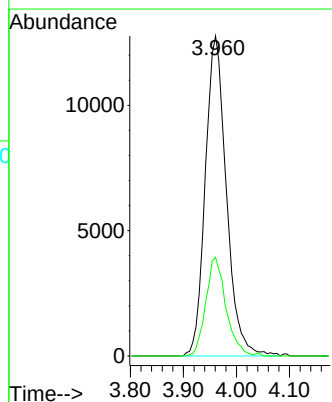
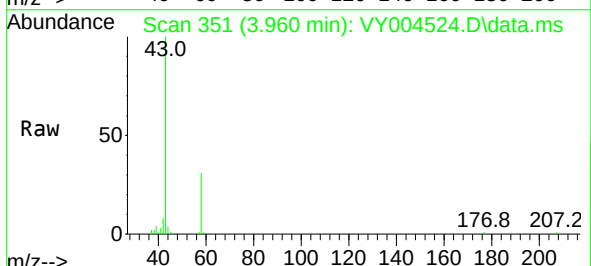
Lab File: VY004524.D

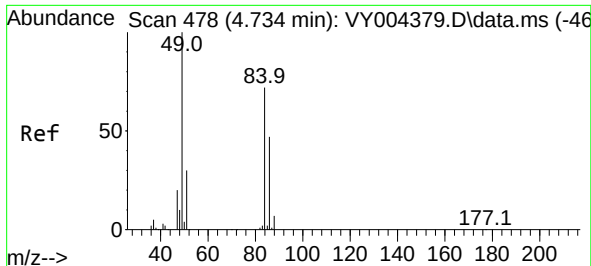
Acq: 20 Apr 2021 13:25

Tgt Ion: 43 Resp: 35236

Ion Ratio Lower Upper

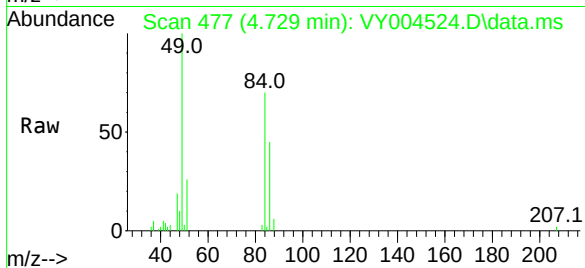
43 100
58 30.8 24.6 37.0



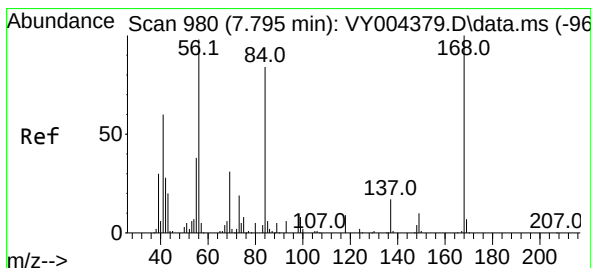
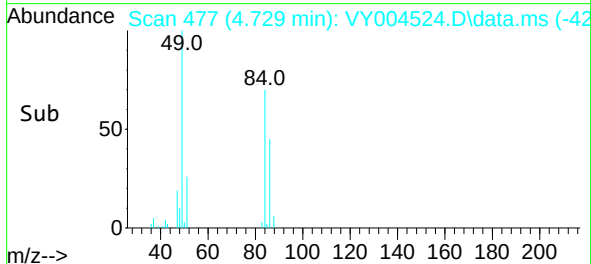
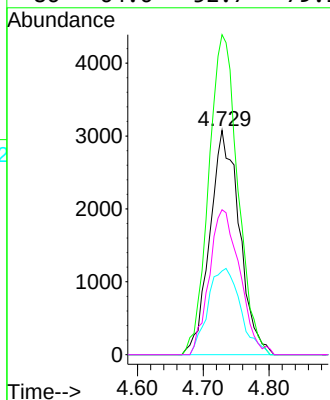


#20
Methylene Chloride
Concen: 7.56 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

Instrument :
MSVOA_Y
ClientSampleId :

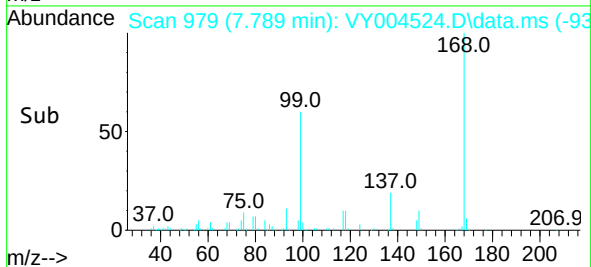
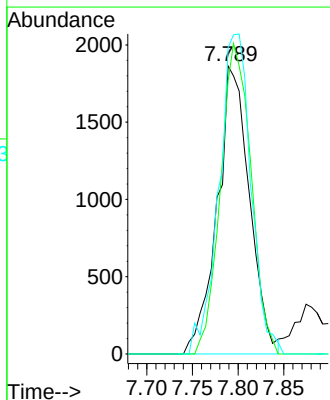
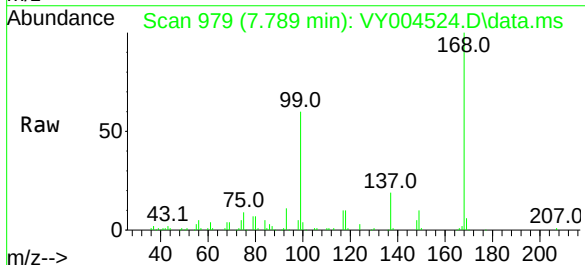


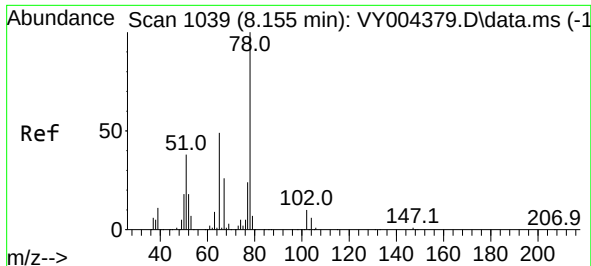
Tgt Ion:	84	Resp:	9612
Ion	Ratio	Lower	Upper
84	100		
49	142.7	111.2	166.8
51	37.3	33.4	50.2
86	64.6	52.7	79.1



#31
Cyclohexane
Concen: 1.90 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

Tgt Ion:	56	Resp:	4584
Ion	Ratio	Lower	Upper
56	100		
69	94.8	25.8	38.6#
84	106.3	68.2	102.4#

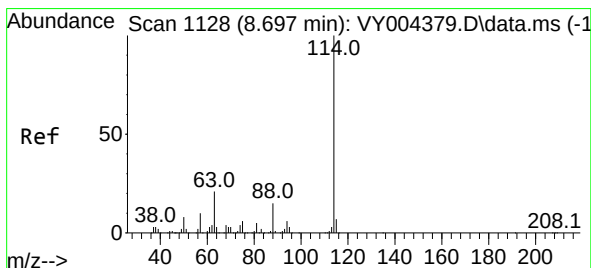
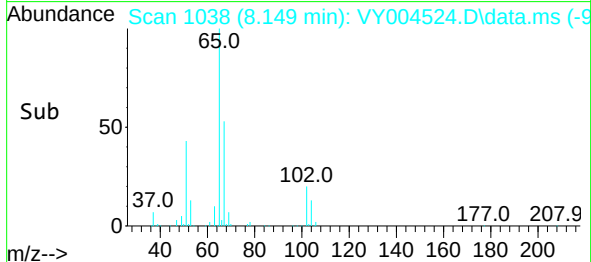
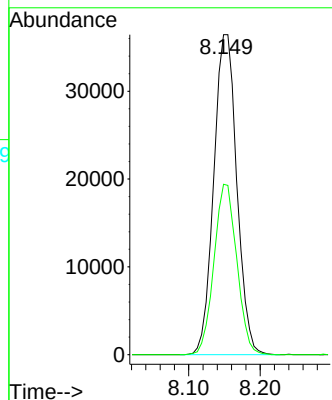
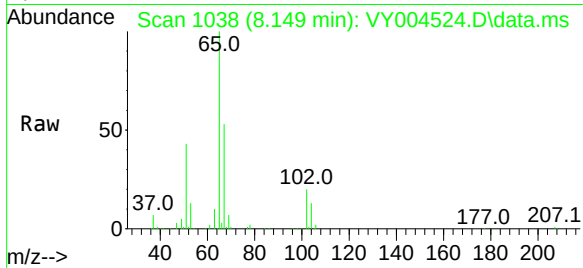




#33
 1,2-Dichloroethane-d4
 Concen: 61.95 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.006 min
 Lab File: VY004524.D
 Acq: 20 Apr 2021 13:25

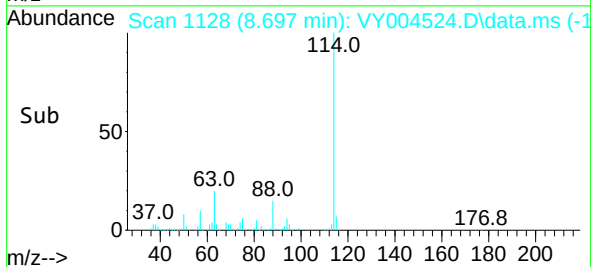
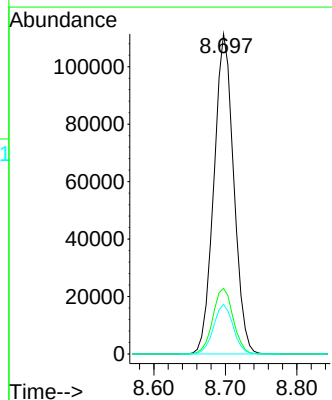
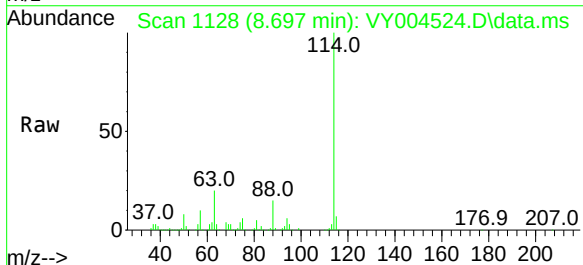
Instrument :
 MSVOA_Y
 ClientSampled :

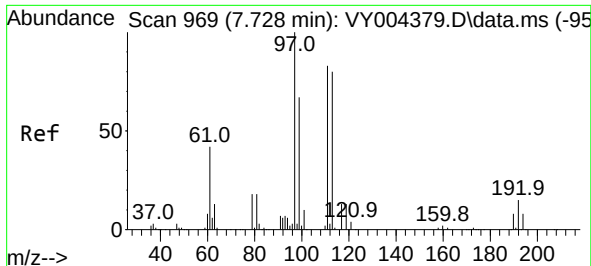
Tgt Ion: 65 Resp: 81585
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY004524.D
 Acq: 20 Apr 2021 13:25

Tgt Ion: 114 Resp: 214111
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.4
 88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 43.09 ug/l

RT: 7.728 min Scan# 969

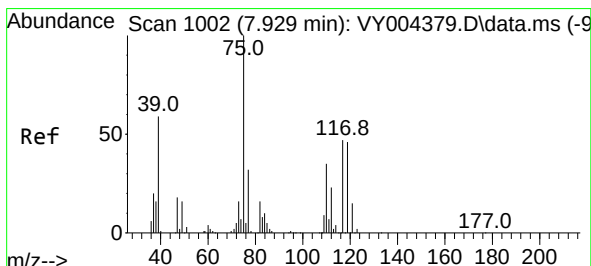
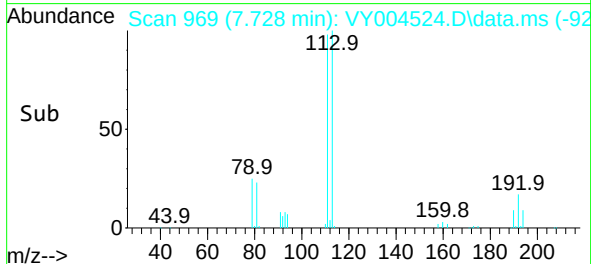
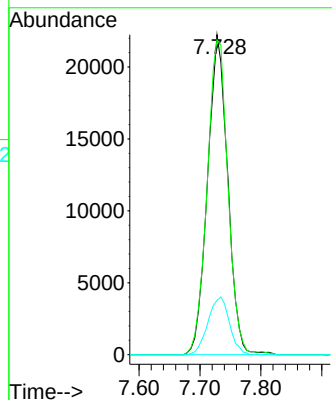
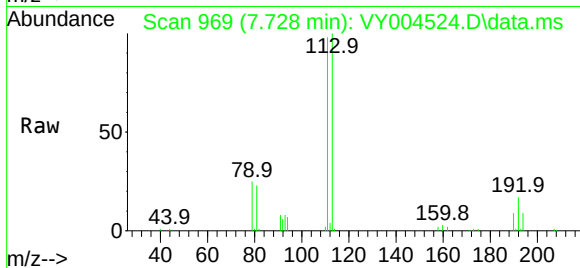
Delta R.T. 0.000 min

Lab File: VY004524.D

Acq: 20 Apr 2021 13:25

Tgt Ion:	113	Resp:	51197
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	123.8
192	19.1	16.1	24.1

Instrument :
MSVOA_Y
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.51 ug/l

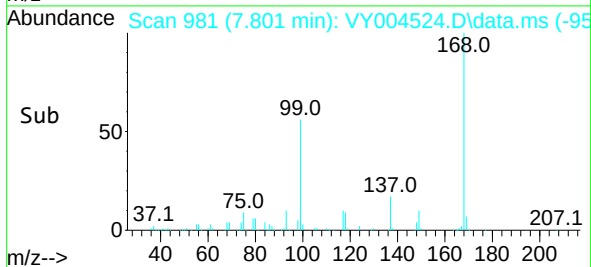
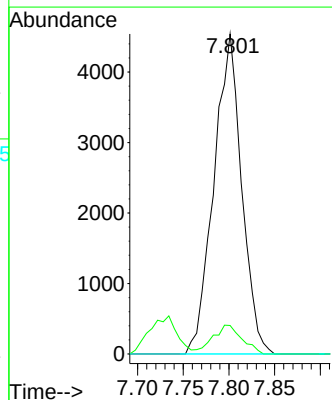
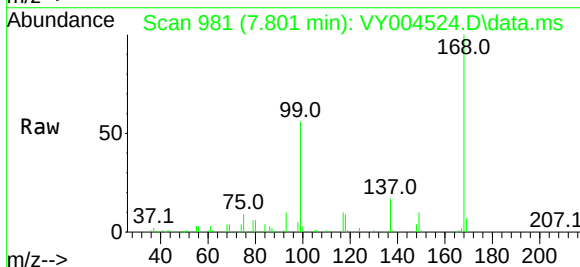
RT: 7.801 min Scan# 981

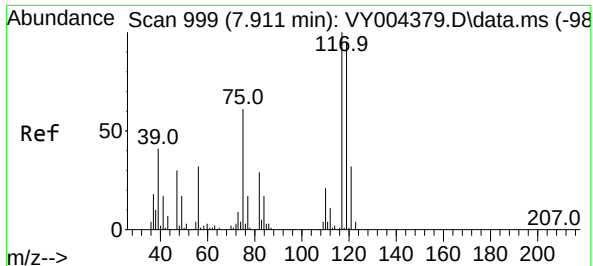
Delta R.T. -0.128 min

Lab File: VY004524.D

Acq: 20 Apr 2021 13:25

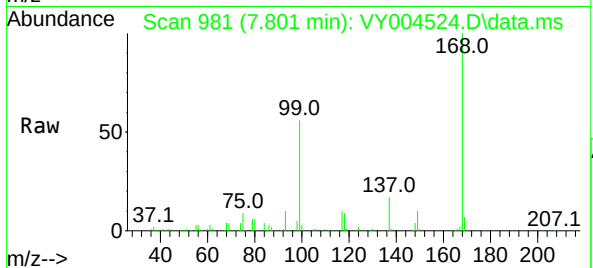
Tgt Ion:	75	Resp:	9601
Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.3	51.7#
77	0.0	24.3	36.5#



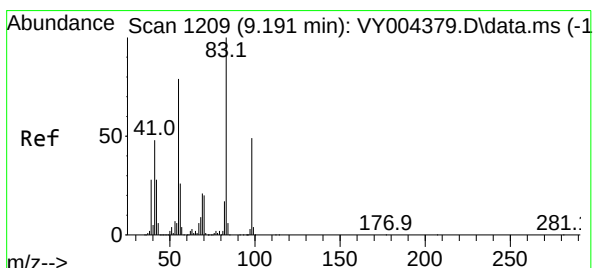
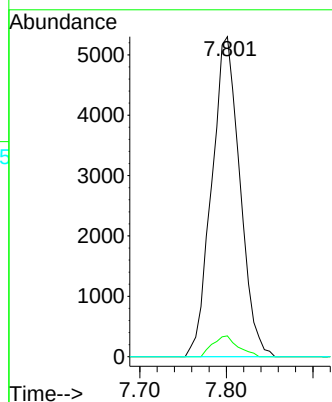
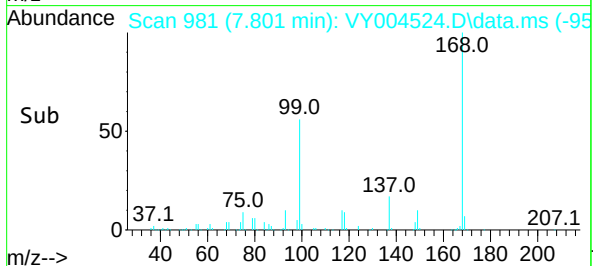


#38
Carbon Tetrachloride
Concen: 6.51 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.109 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

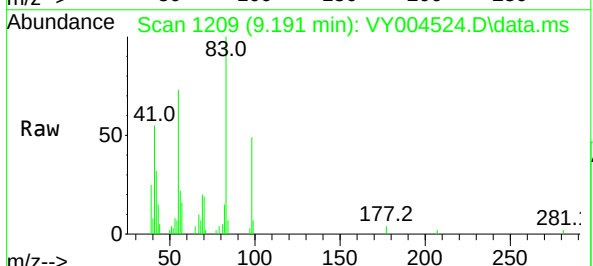
Instrument :
MSVOA_Y
ClientSampleId :



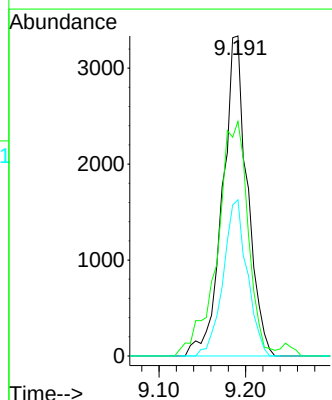
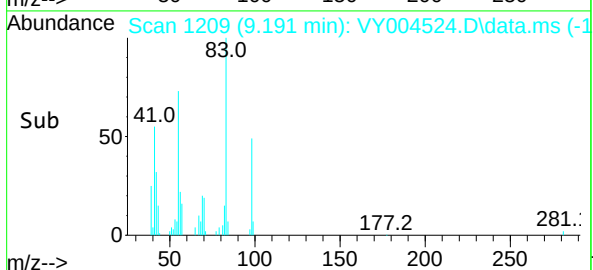
Tgt Ion:117 Resp: 11970
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.8#
121 0.0 25.3 37.9#

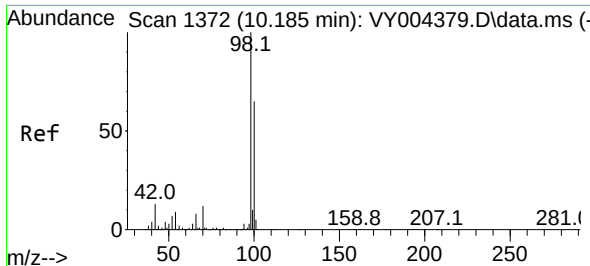


#39
Methylcyclohexane
Concen: 2.53 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25



Tgt Ion: 83 Resp: 6630
Ion Ratio Lower Upper
83 100
55 71.2 63.0 94.4
98 48.8 39.2 58.8

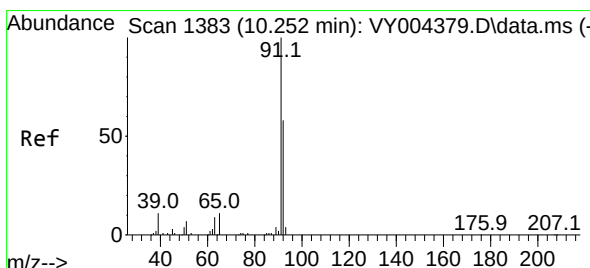
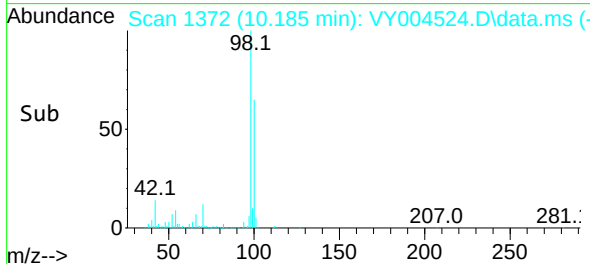
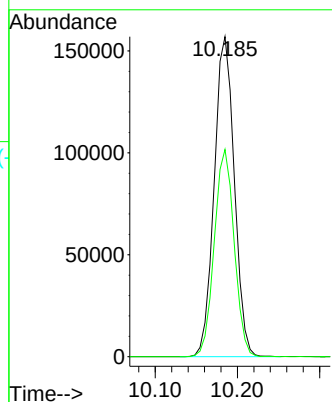
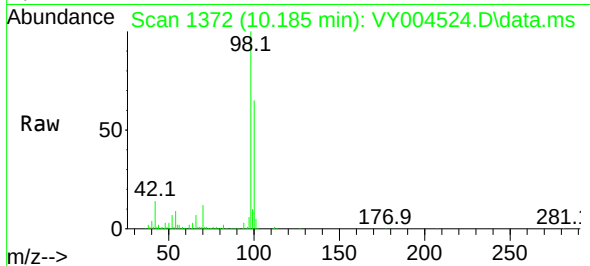




#50
Toluene-d8
Concen: 52.79 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

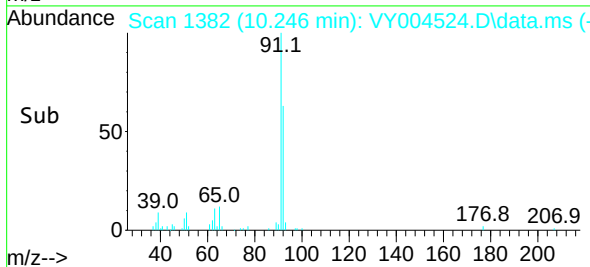
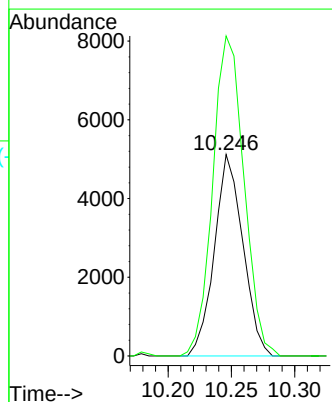
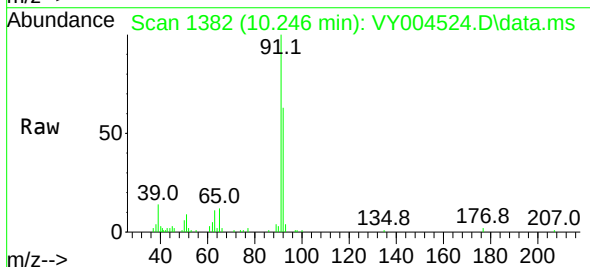
Instrument :
MSVOA_Y
ClientSampleId :

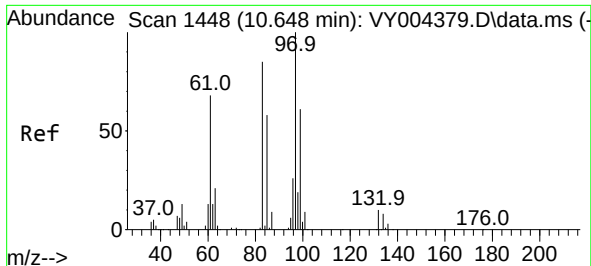
Tgt Ion: 98 Resp: 266806
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6



#52
Toluene
Concen: 2.07 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

Tgt Ion: 92 Resp: 8024
Ion Ratio Lower Upper
92 100
91 173.6 137.8 206.6

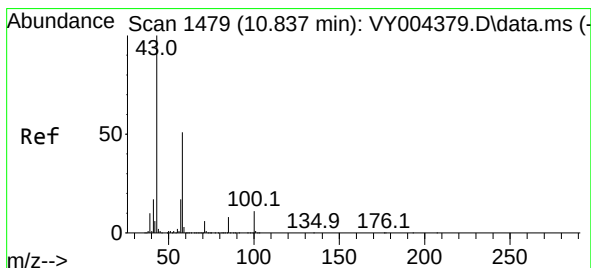
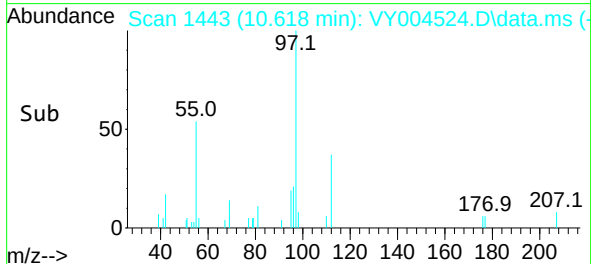
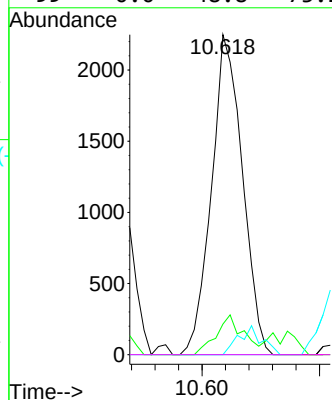
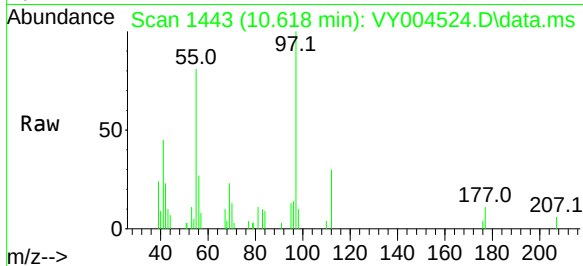




#55
1,1,2-Trichloroethane
Concen: 3.55 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

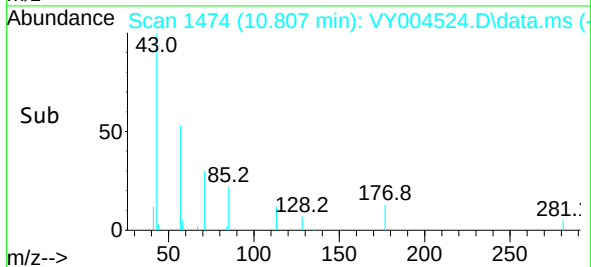
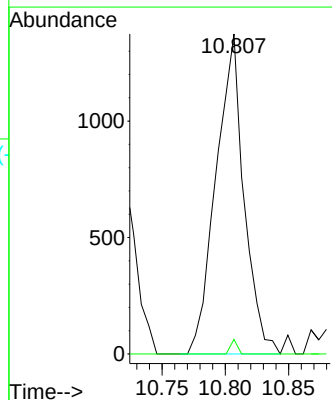
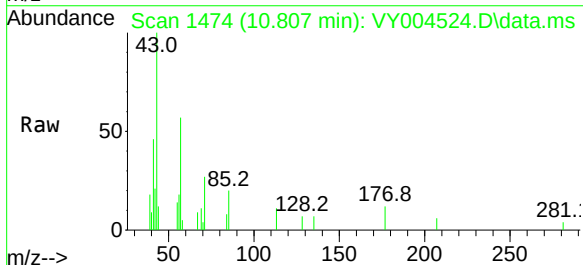
Instrument :
MSVOA_Y
ClientSampleId :

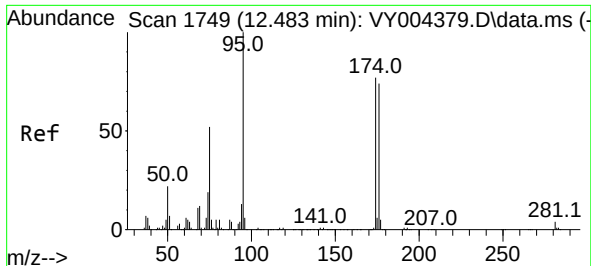
Tgt Ion: 97	Resp: 4104
Ion Ratio	Lower Upper
97 100	
83 9.6	68.4 102.6#
85 0.0	46.2 69.4#
99 0.0	48.8 73.2#



#59
2-Hexanone
Concen: 2.36 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

Tgt Ion: 43	Resp: 2113		
Ion Ratio	Lower	Upper	
43 100			
58 1.1	25.4	76.4#	

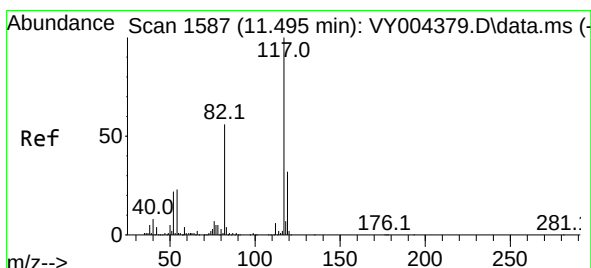
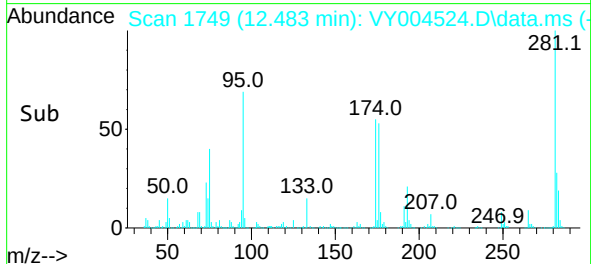
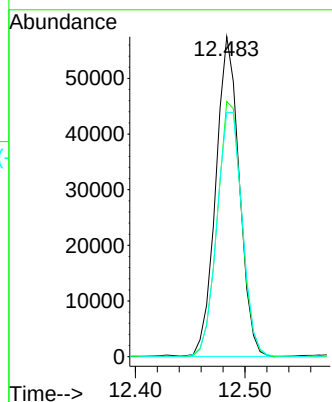
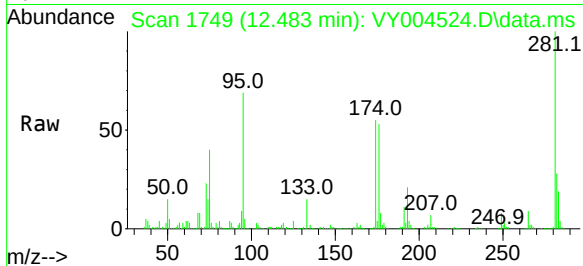




#62
4-Bromofluorobenzene
Concen: 49.90 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

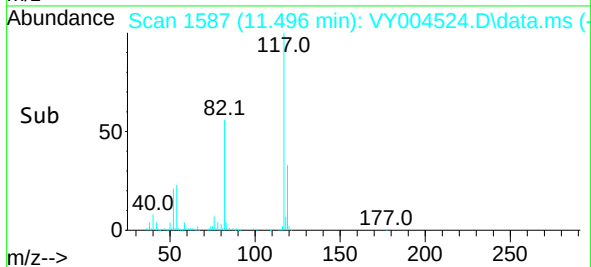
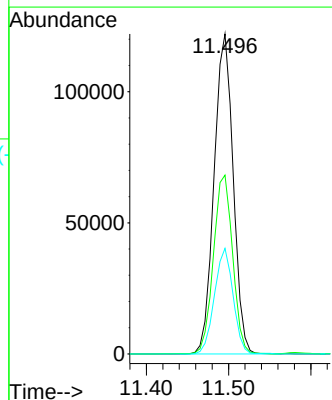
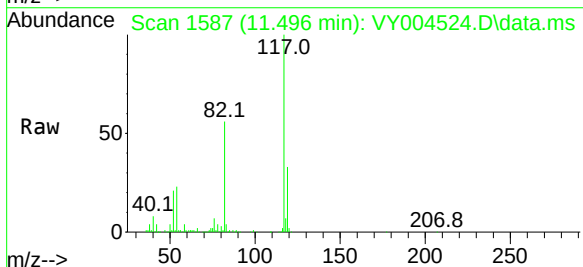
Instrument :
MSVOA_Y
ClientSampleId :

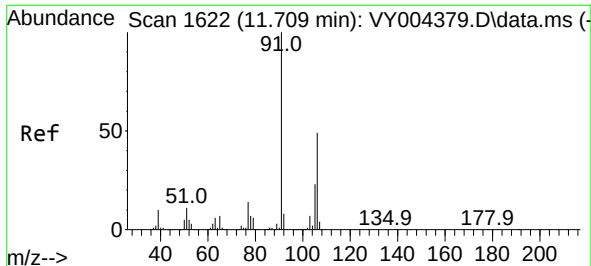
Tgt Ion: 95 Resp: 85590
Ion Ratio Lower Upper
95 100
174 82.9 0.0 162.4
176 82.8 0.0 156.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

Tgt Ion: 117 Resp: 196872
Ion Ratio Lower Upper
117 100
82 55.8 44.9 67.3
119 33.0 25.4 38.0

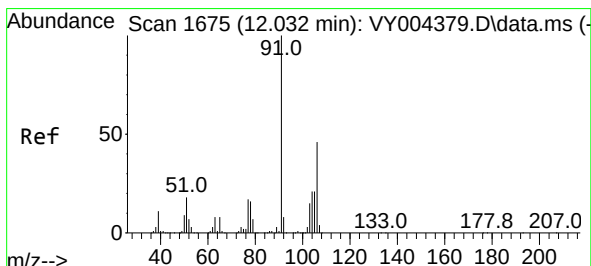
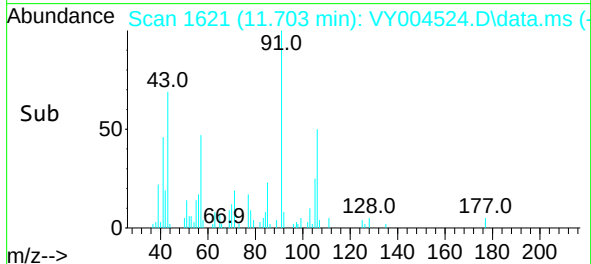
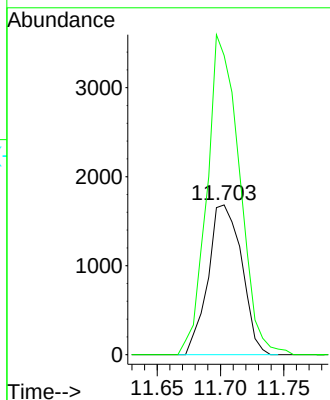
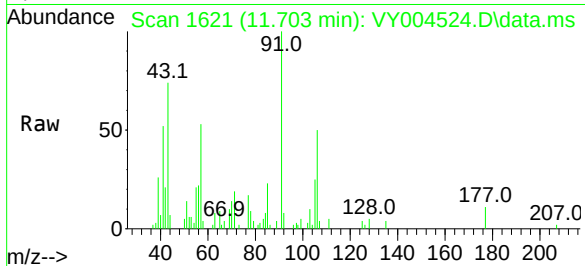




#68
m/p-Xylenes
Concen: 1.12 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

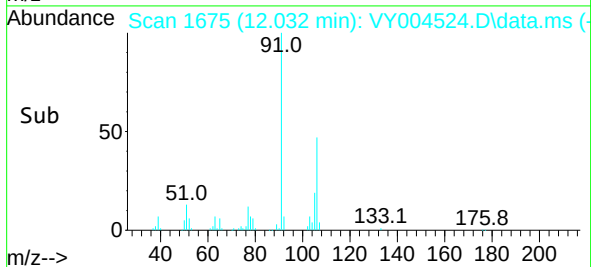
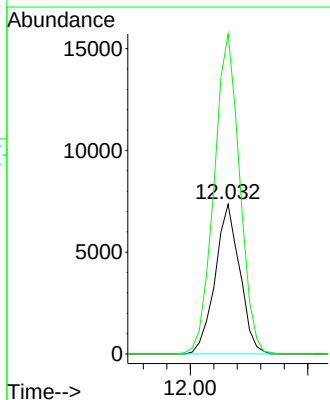
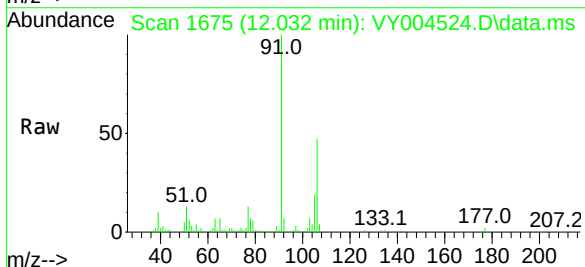
Instrument :
MSVOA_Y
ClientSampled :

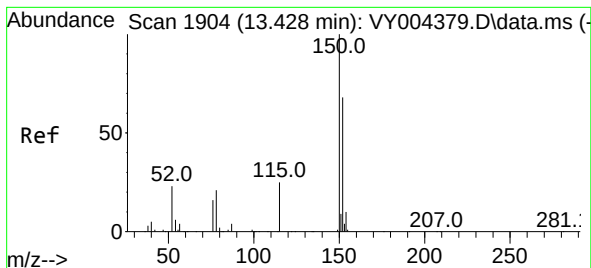
Tgt Ion:106 Resp: 3115
Ion Ratio Lower Upper
106 100
91 206.1 163.2 244.8



#69
o-Xylene
Concen: 4.10 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

Tgt Ion:106 Resp: 10728
Ion Ratio Lower Upper
106 100
91 221.8 107.4 322.2

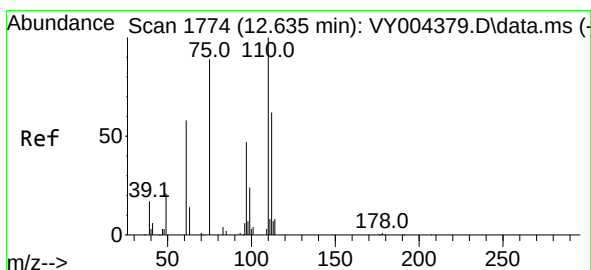
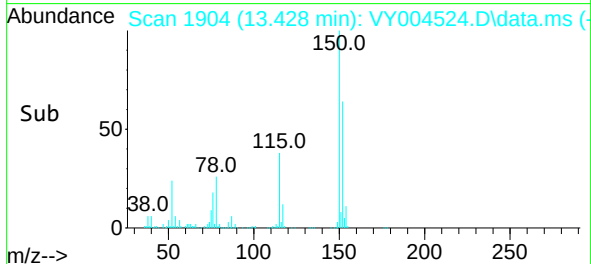
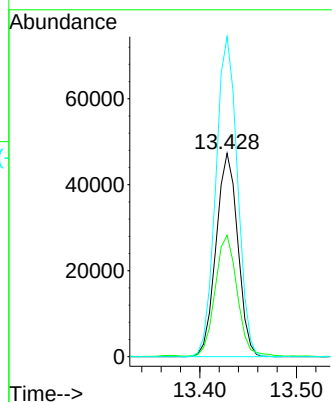
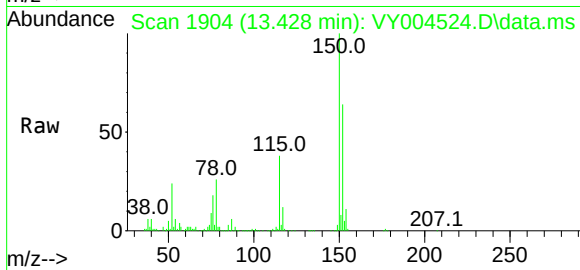




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY004524.D
 Acq: 20 Apr 2021 13:25

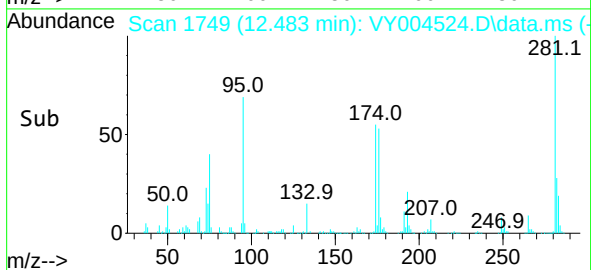
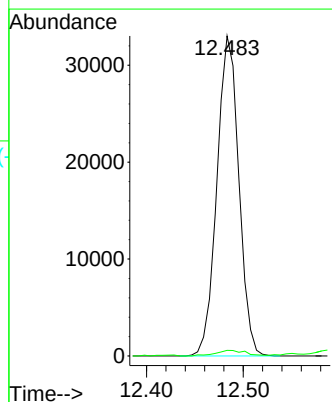
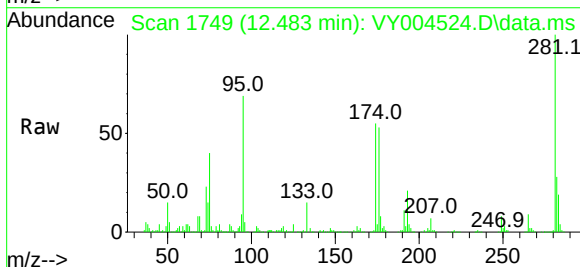
Instrument :
 MSVOA_Y
 ClientSampled :

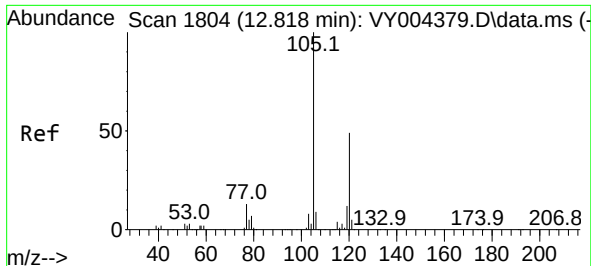
Tgt Ion:152 Resp: 73702
 Ion Ratio Lower Upper
 152 100
 115 61.4 29.6 88.8
 150 156.9 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 65.61 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY004524.D
 Acq: 20 Apr 2021 13:25

Tgt Ion: 75 Resp: 51897
 Ion Ratio Lower Upper
 75 100
 77 2.5 0.0 0.0#

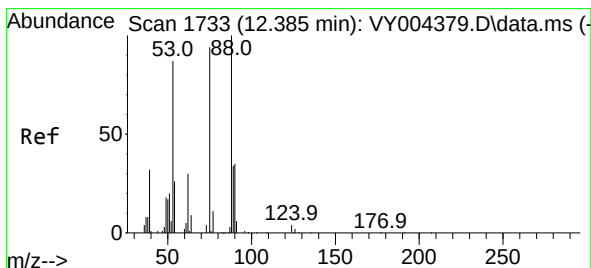
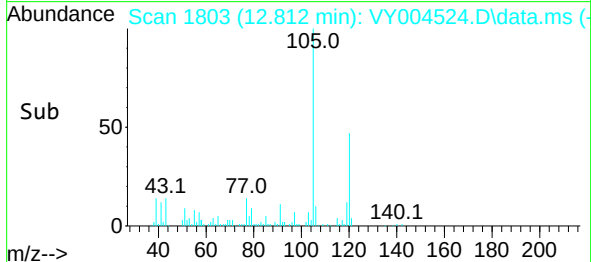
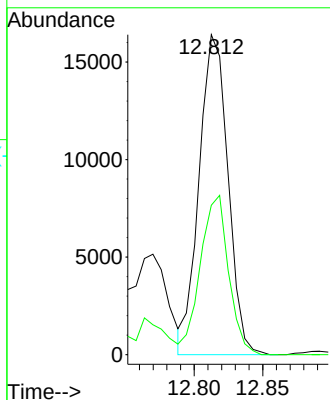
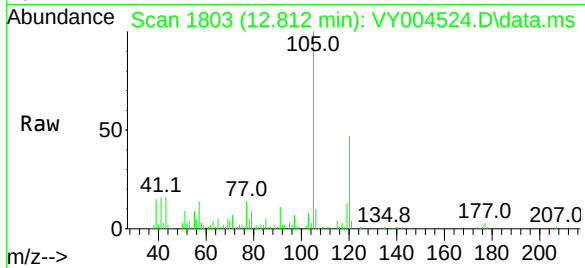




#80
1,3,5-Trimethylbenzene
Concen: 5.19 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

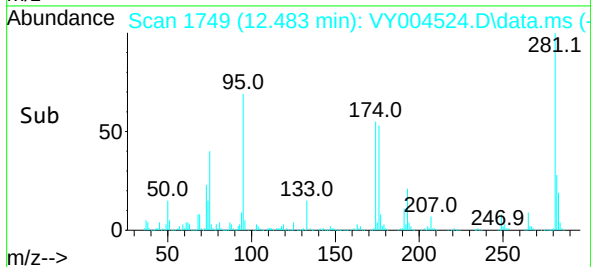
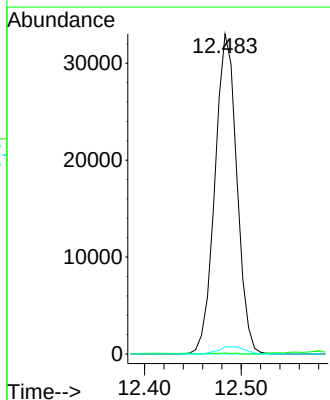
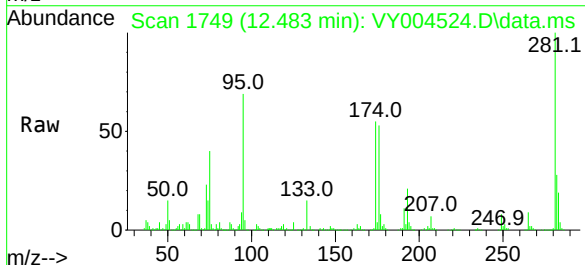
Instrument :
MSVOA_Y
ClientSampleId :

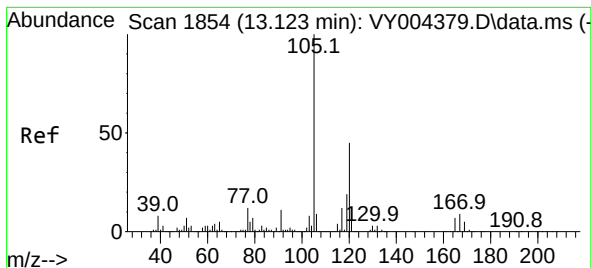
Tgt Ion:105 Resp: 24025
Ion Ratio Lower Upper
105 100
120 48.8 24.6 74.0



#81
trans-1,4-Dichloro-2-butene
Concen: 117.36 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

Tgt Ion: 75 Resp: 51897
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 2.7 36.1 54.1#

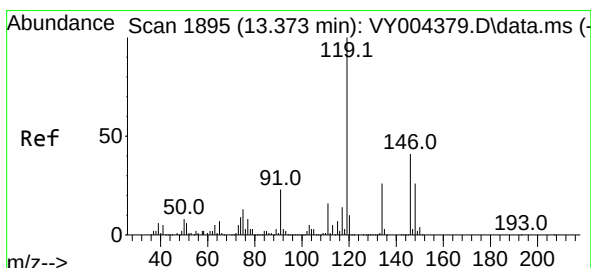
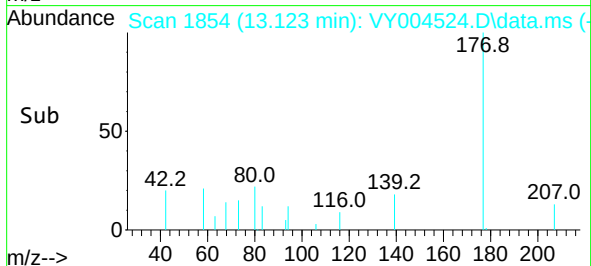
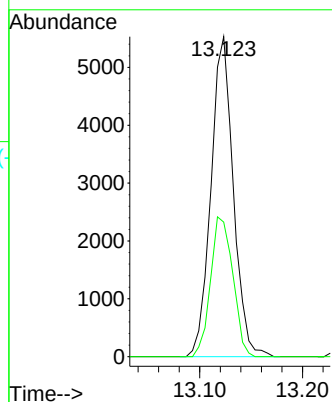
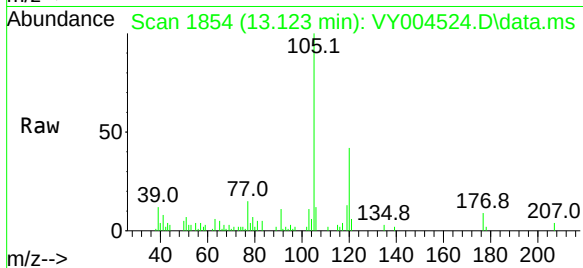




#84
1,2,4-Trimethylbenzene
Concen: 1.79 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

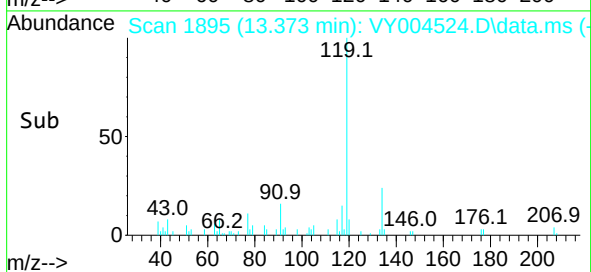
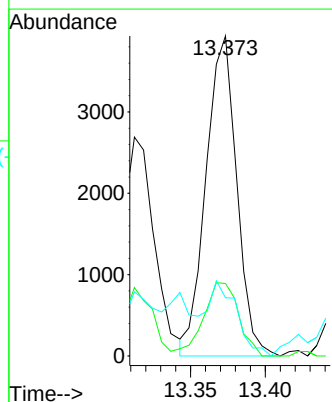
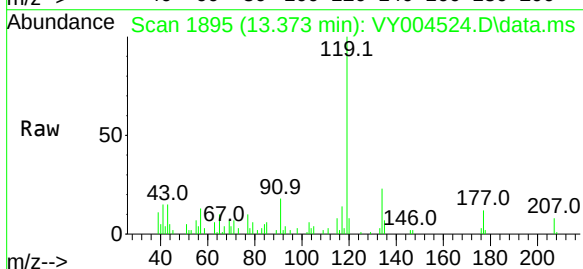
Instrument :
MSVOA_Y
ClientSampled :

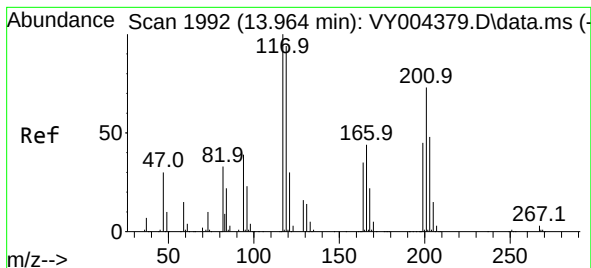
Tgt Ion:105 Resp: 8377
Ion Ratio Lower Upper
105 100
120 43.4 22.4 67.3



#86
p-Isopropyltoluene
Concen: 1.12 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

Tgt Ion:119 Resp: 5620
Ion Ratio Lower Upper
119 100
134 26.3 13.3 39.8
91 21.8 11.9 35.7

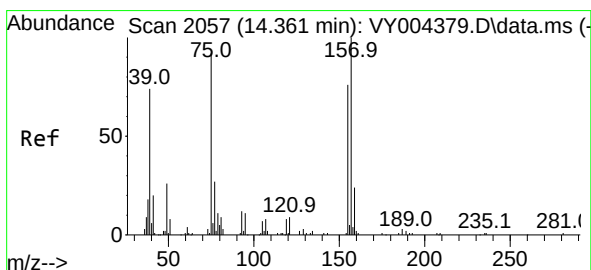
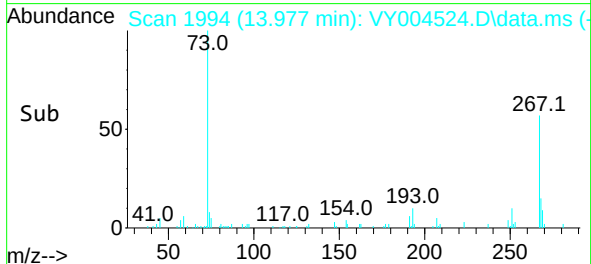
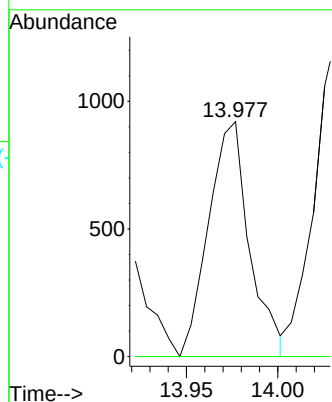
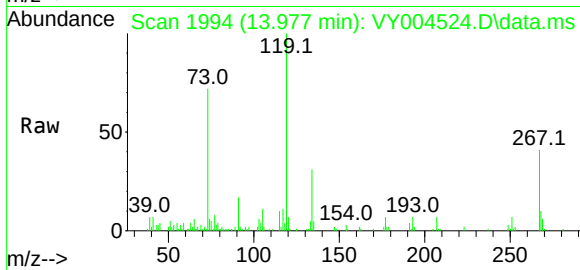




#90
Hexachloroethane
Concen: 2.12 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

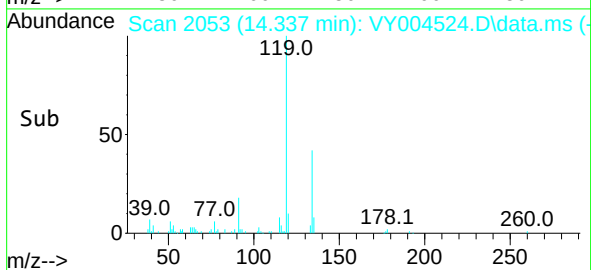
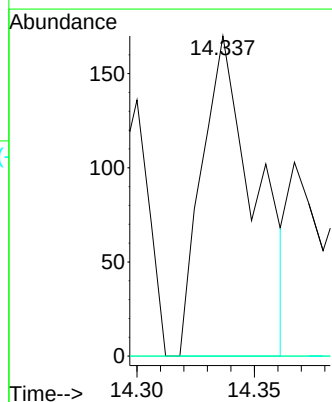
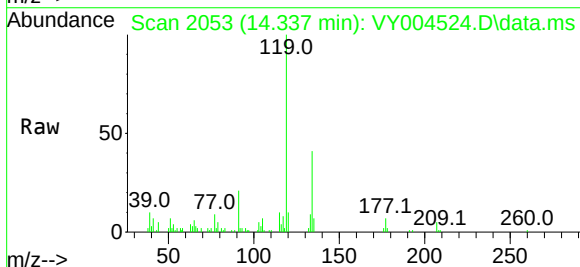
Instrument :
MSVOA_Y
ClientSampleId :

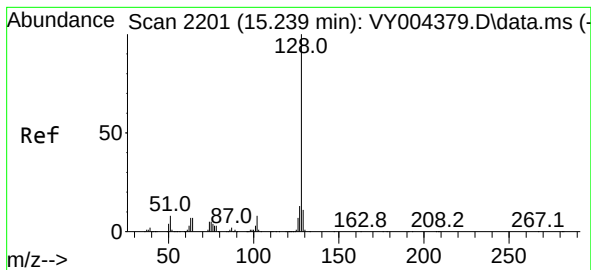
Tgt Ion:117 Resp: 1429
Ion Ratio Lower Upper
117 100
201 0.0 36.6 109.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.39 ug/l
RT: 14.337 min Scan# 2053
Delta R.T. -0.024 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

Tgt Ion: 75 Resp: 269
Ion Ratio Lower Upper
75 100
155 0.0 40.6 121.8#
157 0.0 53.0 159.0#





#95
Naphthalene
Concen: 4.47 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004524.D
Acq: 20 Apr 2021 13:25

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 13611
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 12.1 8.8 13.2

