

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020722\
 Data File : VY007411.D
 Acq On : 07 Feb 2022 14:31
 Operator : SY/MD
 Sample : N1387-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 26601

Quant Time: Feb 08 00:38:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

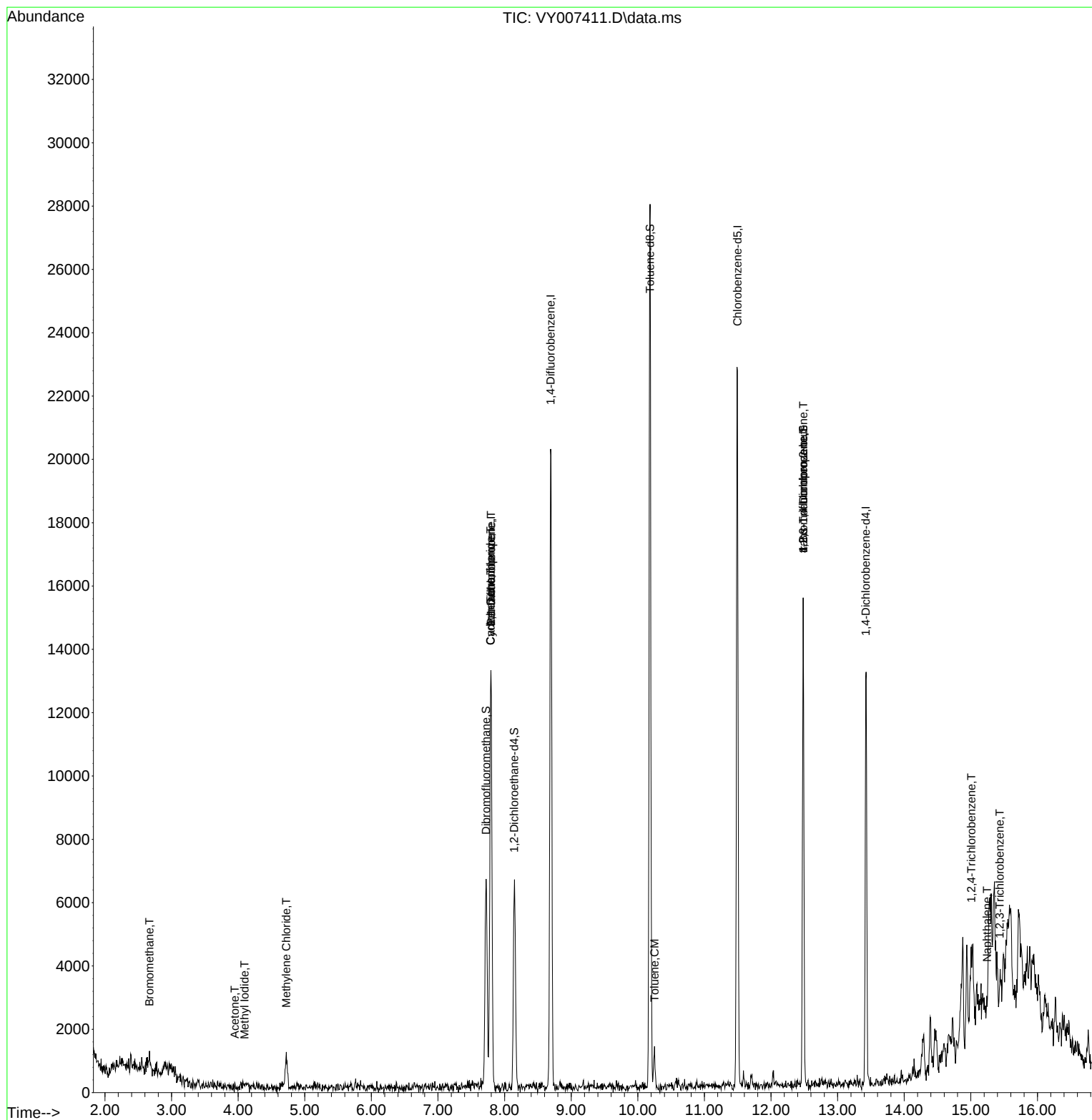
Internal Standards						
1) Pentafluorobenzene	7.795	168	10160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	16985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	12580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	3535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	4994	42.733	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.460%
35) Dibromofluoromethane	7.722	113	4658	42.708	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.420%
50) Toluene-d8	10.185	98	19099	47.398	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.800%
62) 4-Bromofluorobenzene	12.483	95	4540	33.149	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	66.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	223	Below Cal	#	88
5) Bromomethane	2.668	94	332	3.908	ug/l	91
10) Methyl Iodide	4.094	142	144	1.043	ug/l #	35
16) Acetone	3.948	43	59	1.554	ug/l #	47
20) Methylene Chloride	4.722	84	653	3.158	ug/l #	75
31) Cyclohexane	7.789	56	241	1.057	ug/l #	56
36) 1,1-Dichloropropene	7.795	75	889	4.662	ug/l #	42
38) Carbon Tetrachloride	7.789	117	1089	5.436	ug/l #	11
52) Toluene	10.252	92	548	1.721	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	2496	59.394	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2496	118.991	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.007	180	116	1.687	ug/l #	55
95) Naphthalene	15.245	128	187	1.308	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.434	180	90	1.550	ug/l #	45

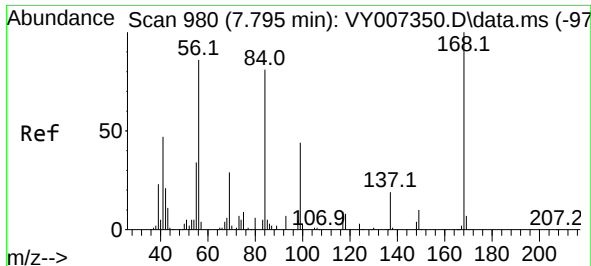
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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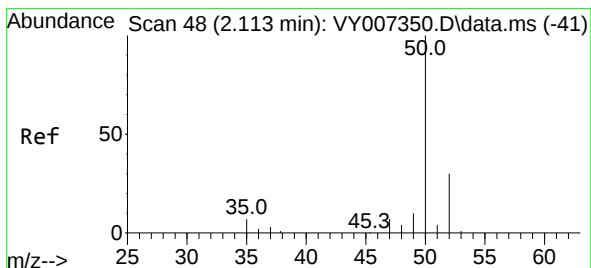
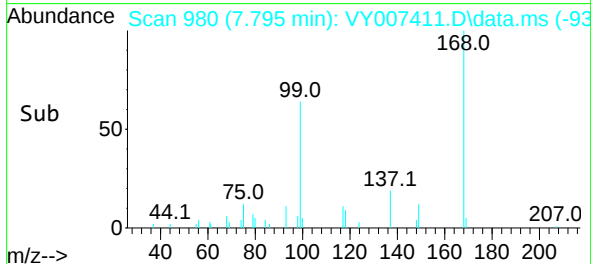
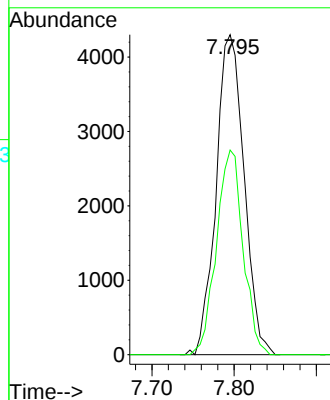
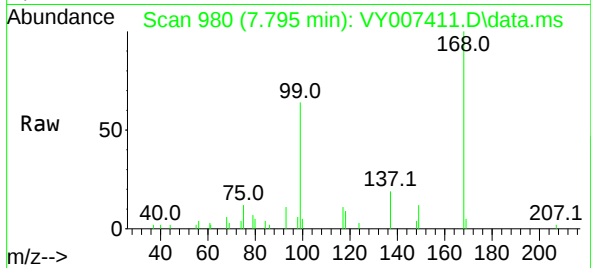




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

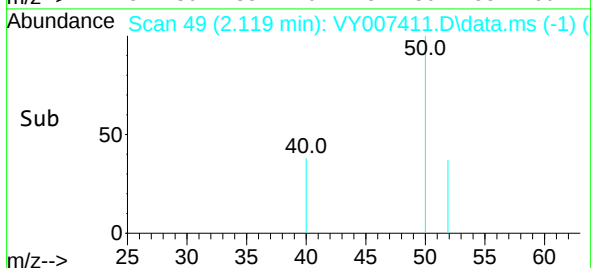
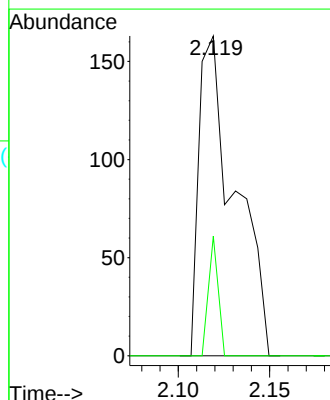
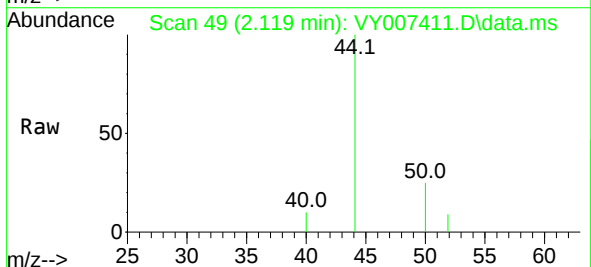
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26601

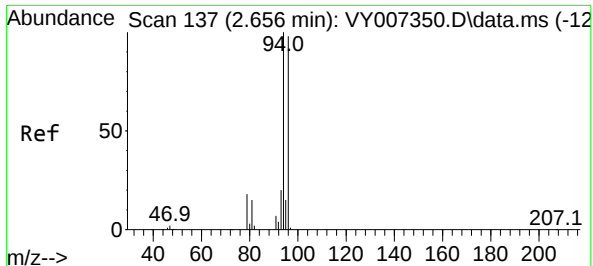
Tgt Ion:168 Resp: 10160
Ion Ratio Lower Upper
168 100
99 63.9 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

Tgt Ion: 50 Resp: 223
Ion Ratio Lower Upper
50 100
52 37.4 24.6 37.0#

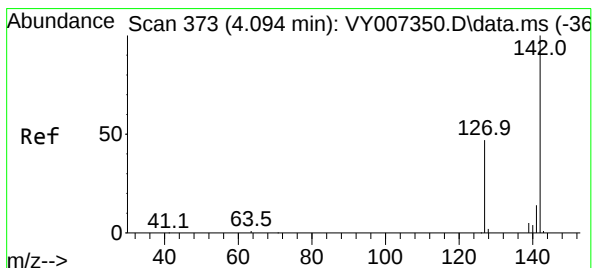
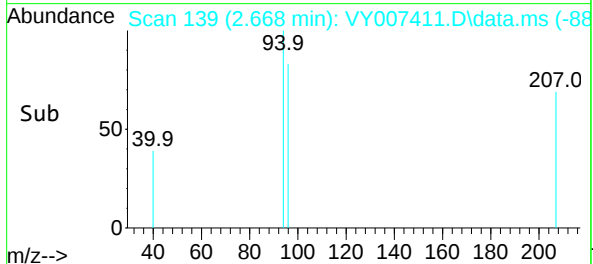
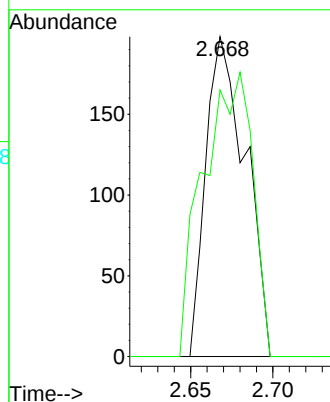
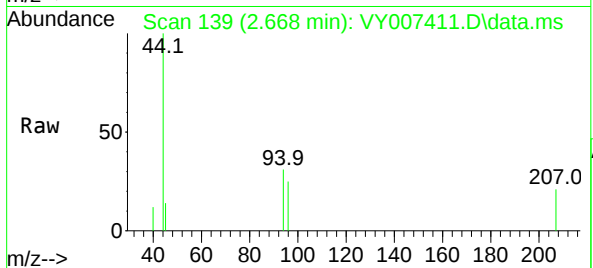




#5
Bromomethane
Concen: 3.908 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

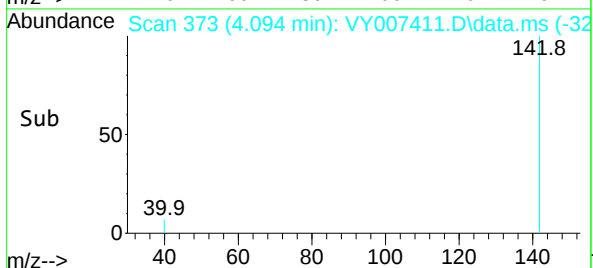
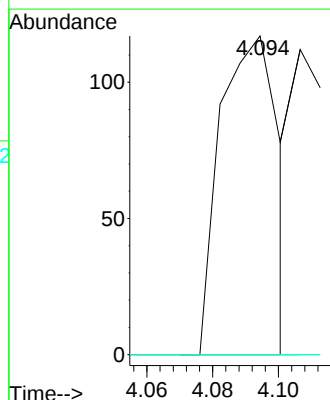
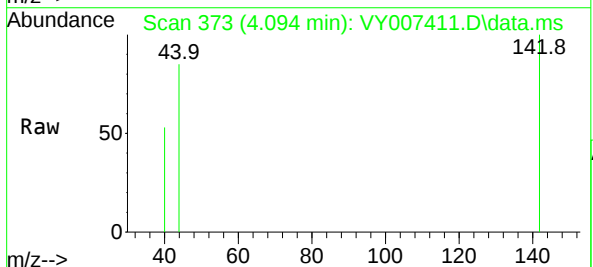
Instrument :
MSVOA_Y
ClientSampleId :
26601

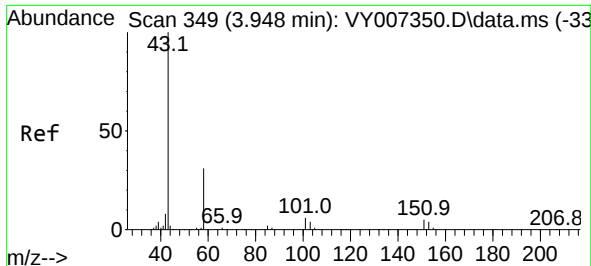
Tgt Ion: 94 Resp: 332
Ion Ratio Lower Upper
94 100
96 83.3 73.5 110.3



#10
Methyl Iodide
Concen: 1.043 ug/l
RT: 4.094 min Scan# 373
Delta R.T. -0.000 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

Tgt Ion: 142 Resp: 144
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

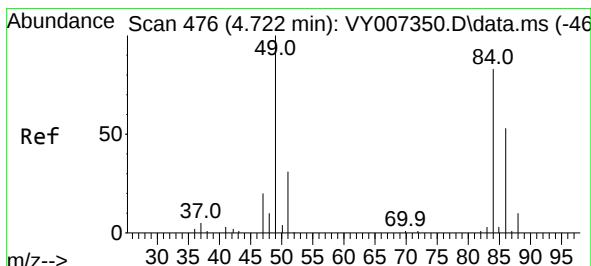
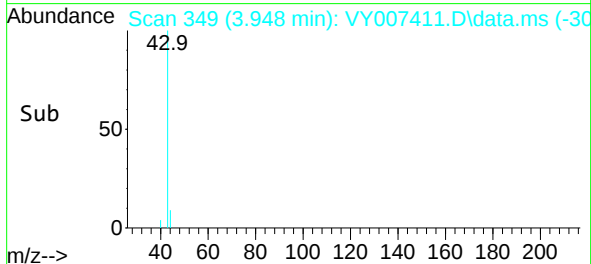
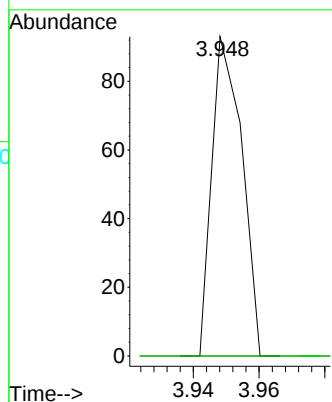
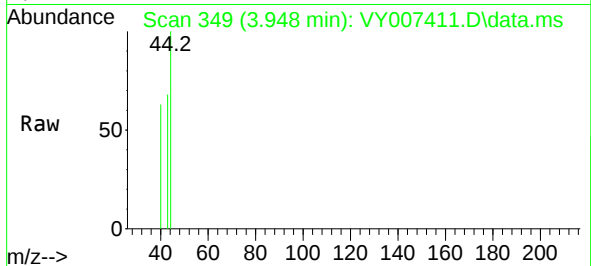




#16
Acetone
Concen: 1.554 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

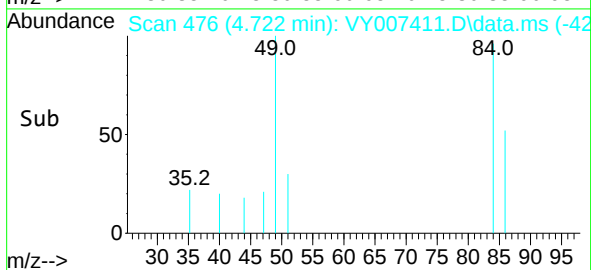
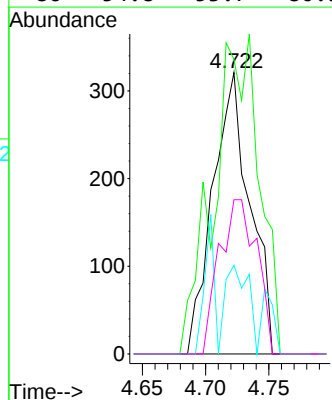
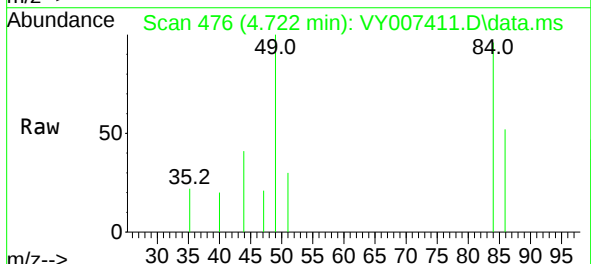
Instrument :
MSVOA_Y
ClientSampleId :
26601

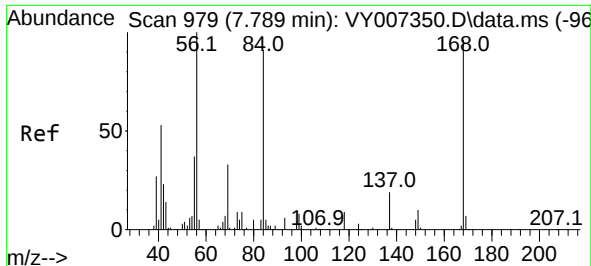
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: 3.158 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

Tgt Ion: 84 Resp: 653
Ion Ratio Lower Upper
84 100
49 104.7 114.4 171.6#
51 31.5 35.3 52.9#
86 54.8 53.7 80.5

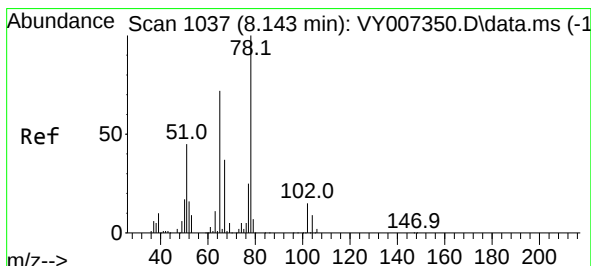
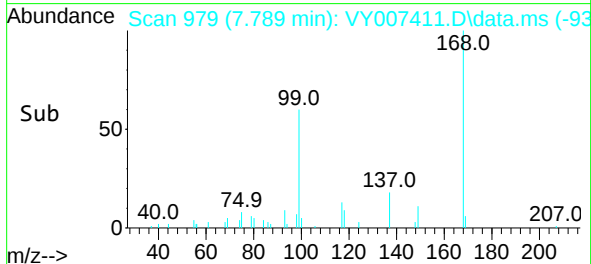
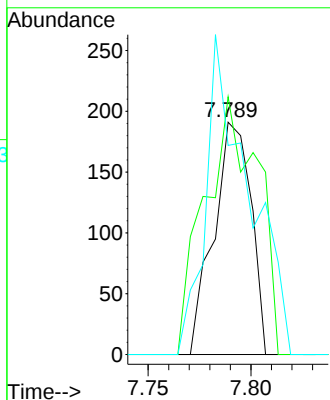
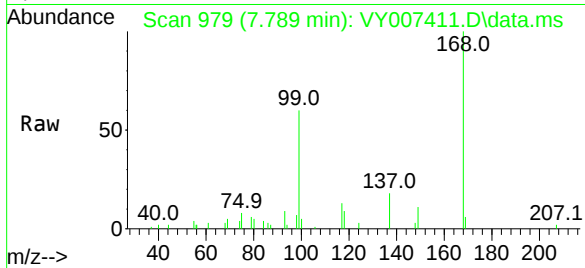




#31
Cyclohexane
Concen: 1.057 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

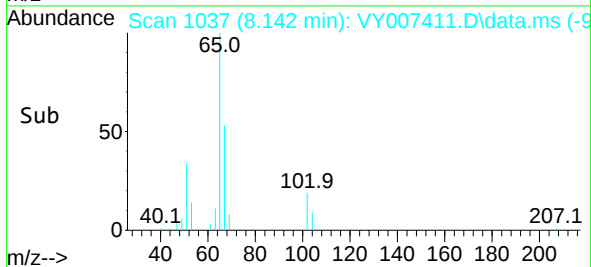
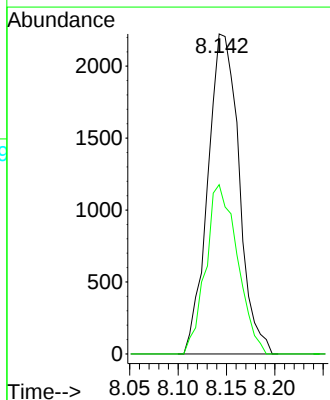
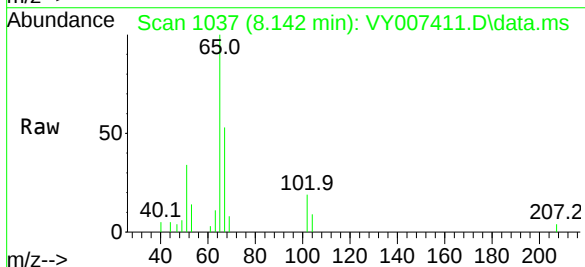
Instrument :
MSVOA_Y
ClientSampleId :
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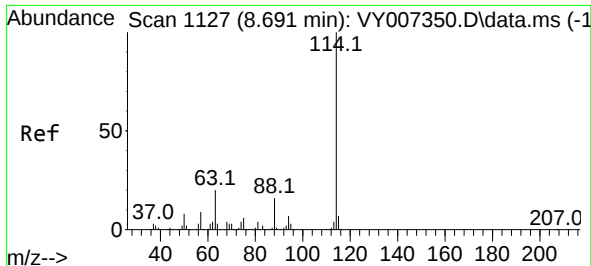
Tgt Ion: 56 Resp: 241
Ion Ratio Lower Upper
56 100
69 111.0 26.7 40.1#
84 90.1 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 42.733 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

Tgt Ion: 65 Resp: 4994
Ion Ratio Lower Upper
65 100
67 53.7 0.0 99.4

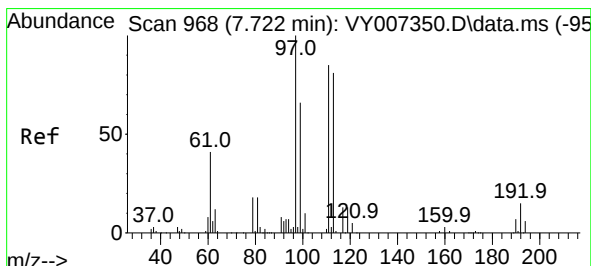
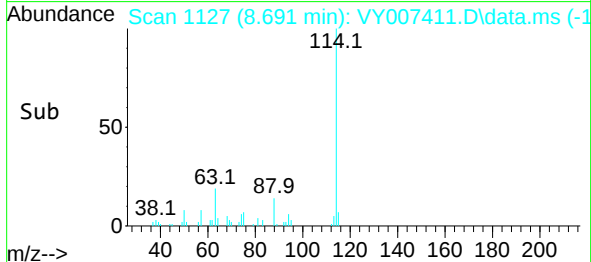
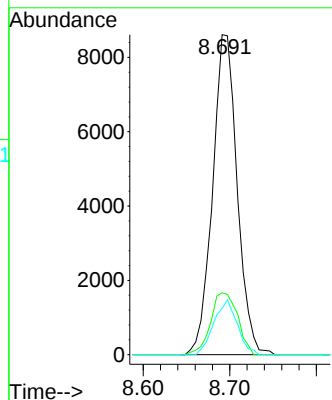
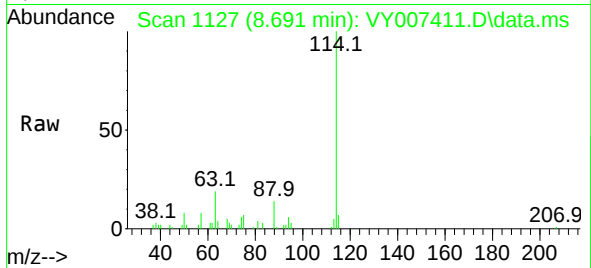




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

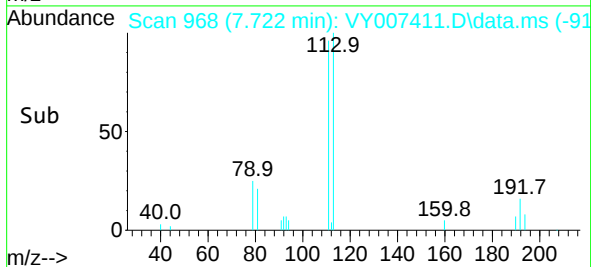
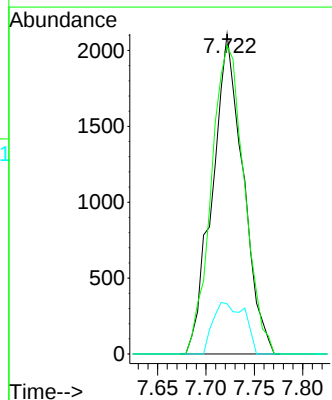
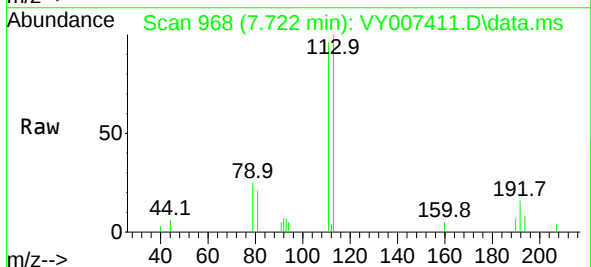
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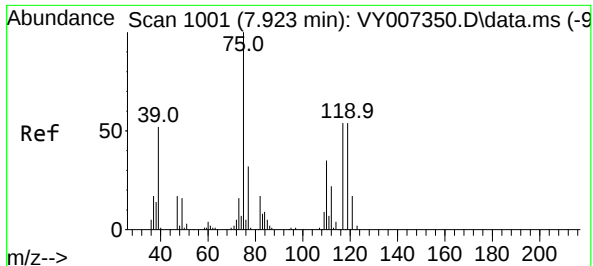
Tgt Ion:114	Resp:	16985
Ion	Ratio	Lower Upper
114	100	
63	19.3	0.0 43.2
88	14.5	0.0 31.8



#35
Dibromofluoromethane
Concen: 42.708 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

Tgt Ion:113	Resp:	4658
Ion	Ratio	Lower Upper
113	100	
111	103.4	82.6 124.0
192	16.5	17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.662 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007411.D

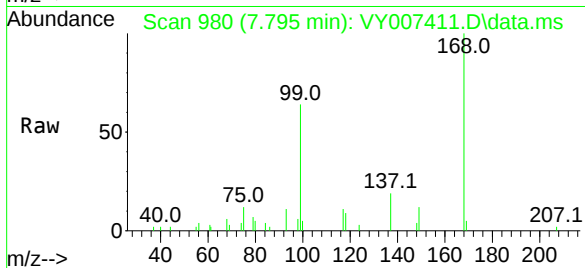
Acq: 07 Feb 2022 14:31

Instrument :

MSVOA_Y

ClientSampleId :

26601



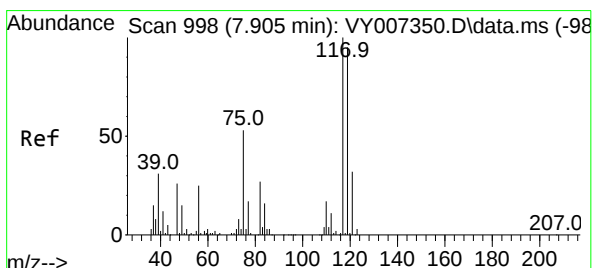
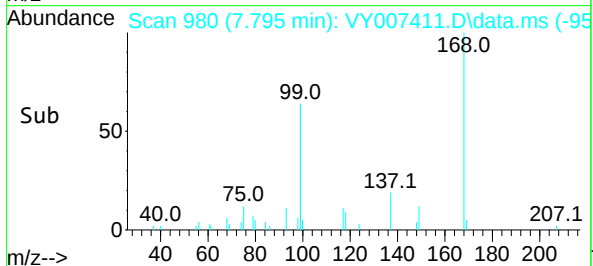
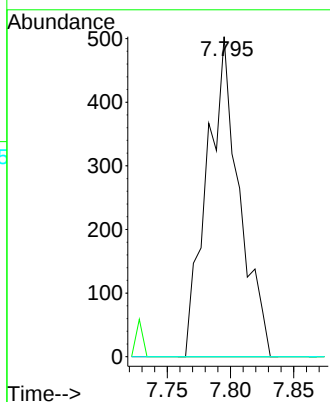
Tgt Ion: 75 Resp: 889

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.436 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY007411.D

Acq: 07 Feb 2022 14:31

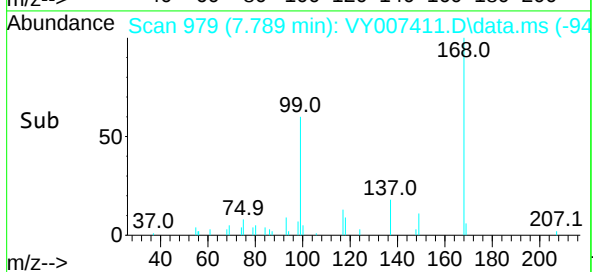
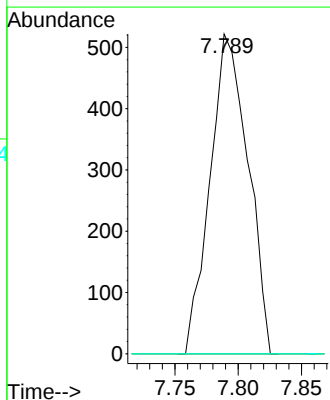
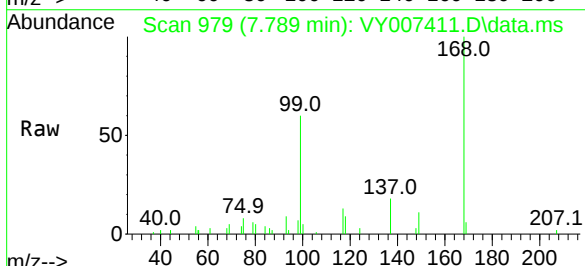
Tgt Ion: 117 Resp: 1089

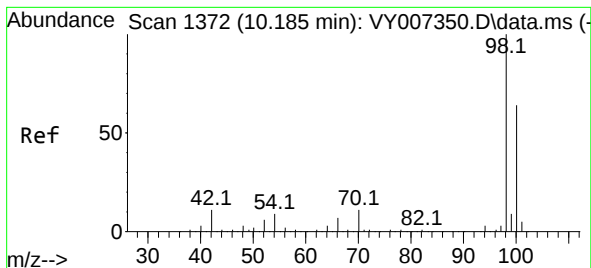
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 47.398 ug/l

RT: 10.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY007411.D

Acq: 07 Feb 2022 14:31

Instrument :

MSVOA_Y

ClientSampleId :

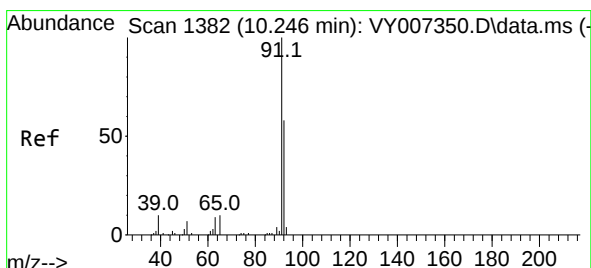
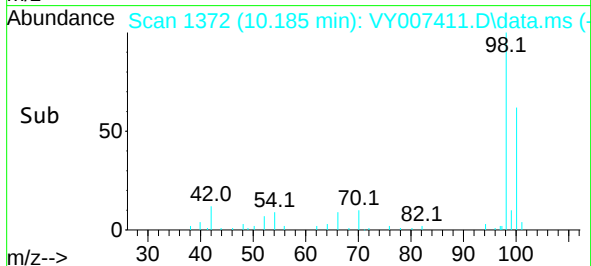
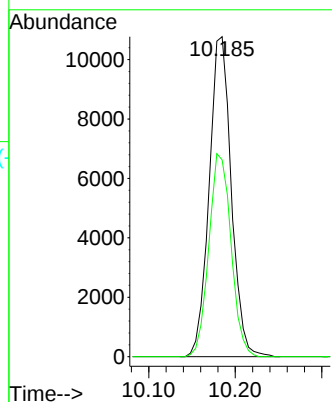
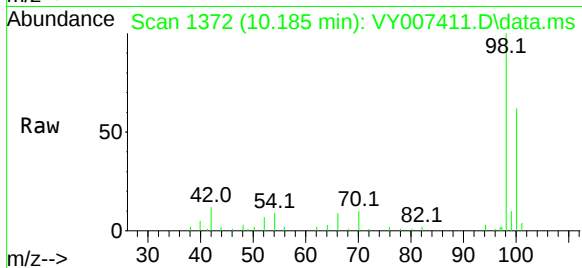
26601

Tgt Ion: 98 Resp: 19099

Ion Ratio Lower Upper

98 100

100 63.6 50.2 75.2



#52

Toluene

Concen: 1.721 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VY007411.D

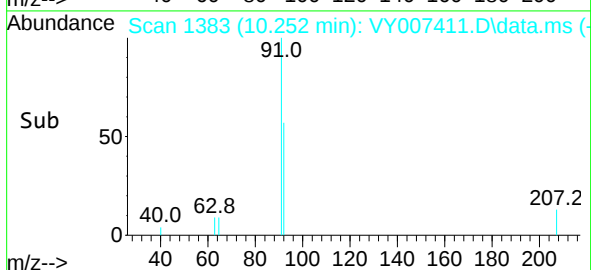
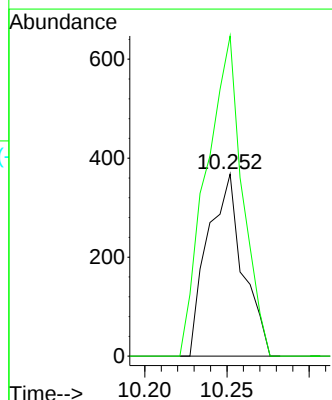
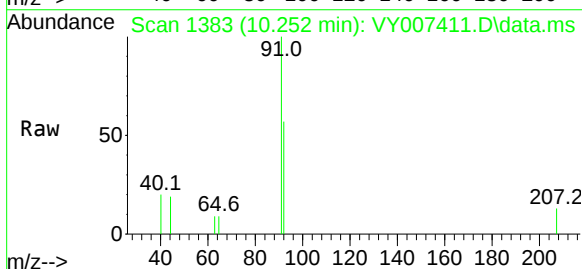
Acq: 07 Feb 2022 14:31

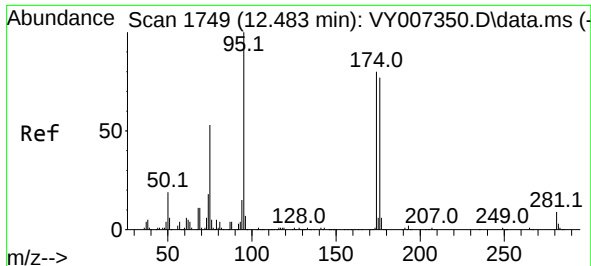
Tgt Ion: 92 Resp: 548

Ion Ratio Lower Upper

92 100

91 181.0 142.6 213.8

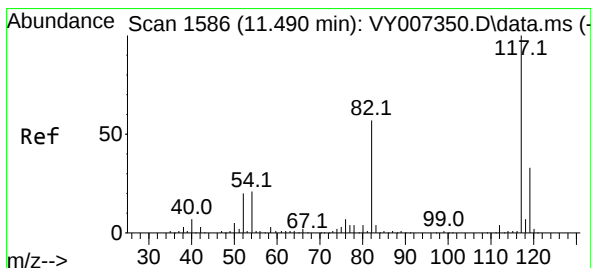
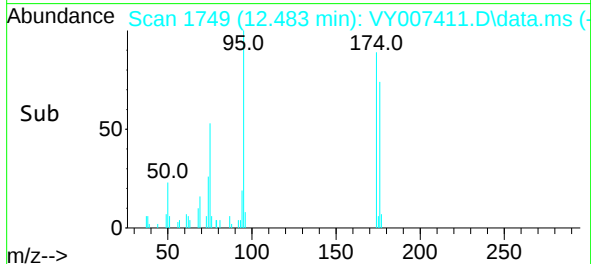
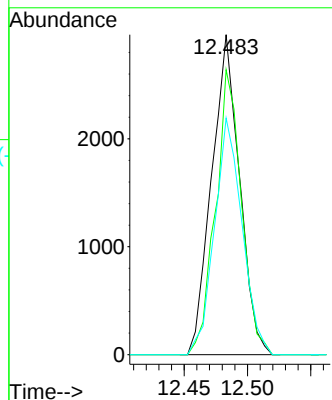
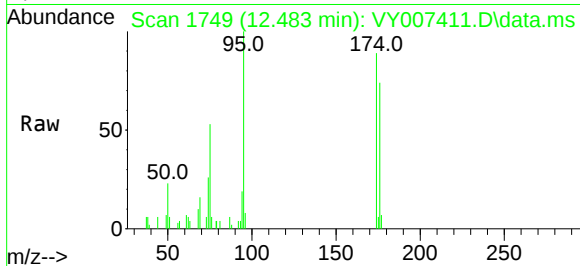




#62
4-Bromofluorobenzene
Concen: 33.149 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

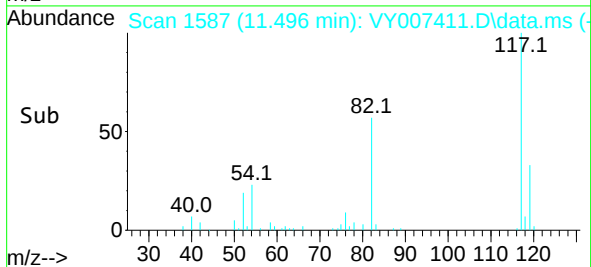
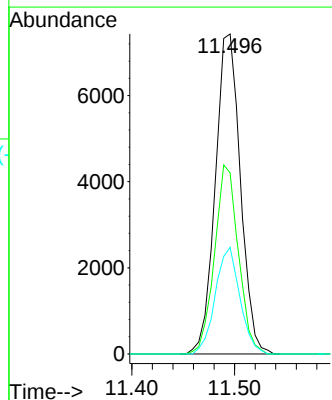
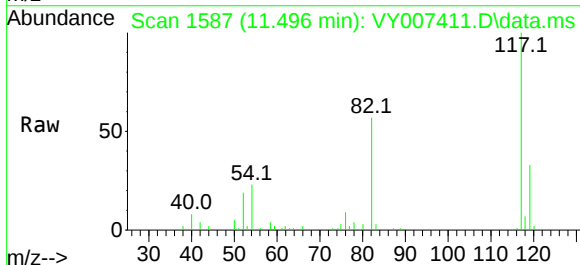
Instrument :
MSVOA_Y
ClientSampleId :
26601

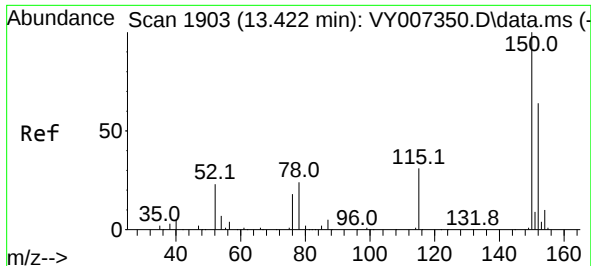
Tgt Ion: 95 Resp: 4540
Ion Ratio Lower Upper
95 100
174 82.6 0.0 177.0
176 73.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

Tgt Ion: 117 Resp: 12580
Ion Ratio Lower Upper
117 100
82 56.6 43.0 64.4
119 33.3 25.4 38.0

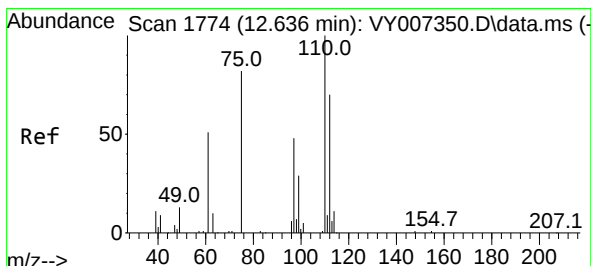
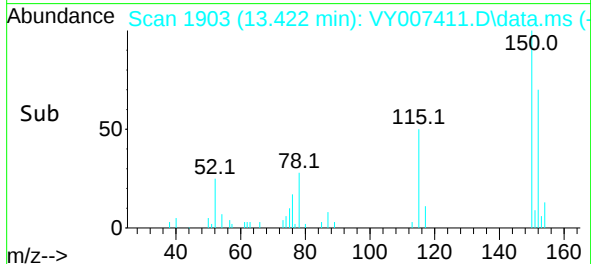
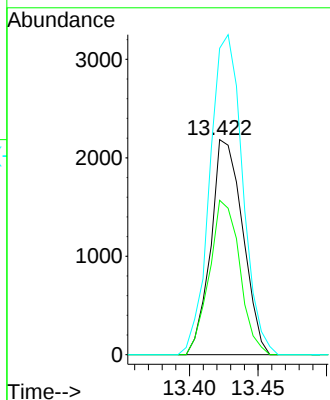
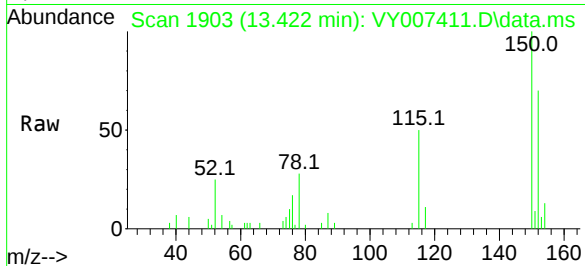




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY007411.D
 Acq: 07 Feb 2022 14:31

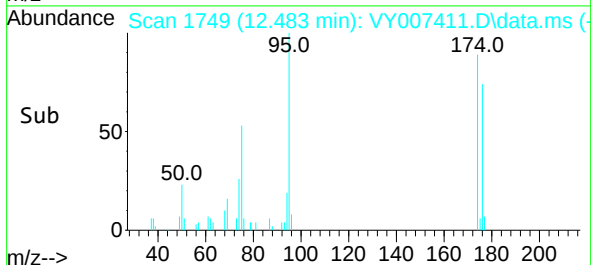
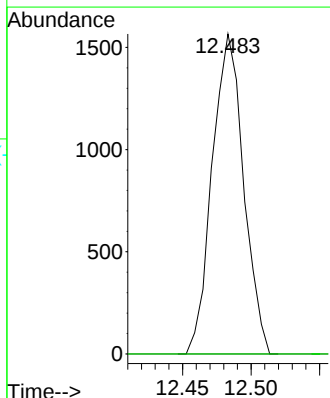
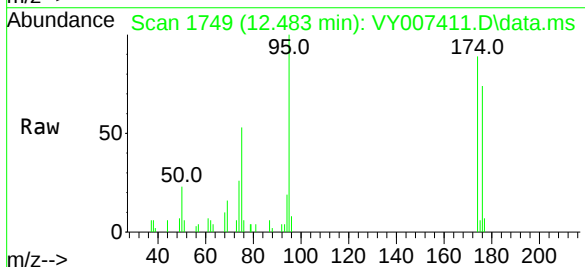
Instrument :
 MSVOA_Y
 ClientSampleId :
 26601

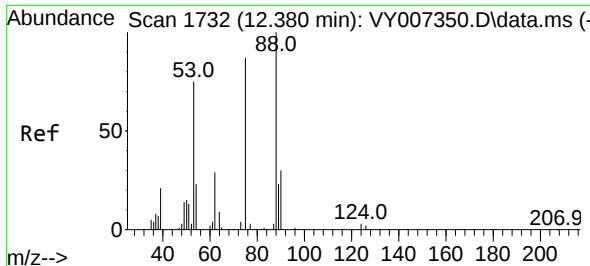
Tgt Ion:152 Resp: 3535
 Ion Ratio Lower Upper
 152 100
 115 68.2 28.2 84.7
 150 153.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 59.394 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY007411.D
 Acq: 07 Feb 2022 14:31

Tgt Ion: 75 Resp: 2496
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

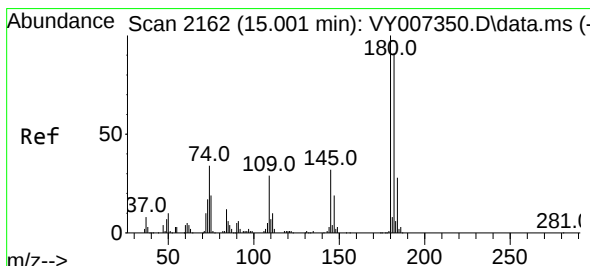
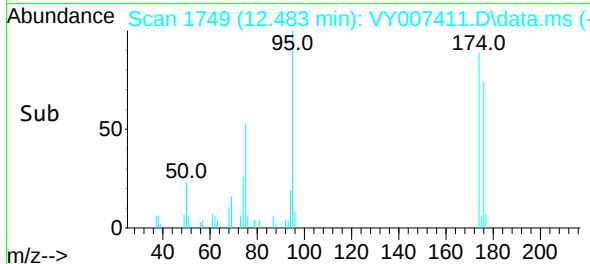
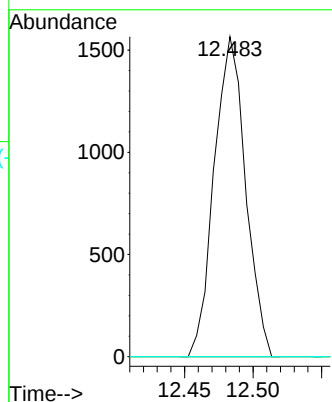
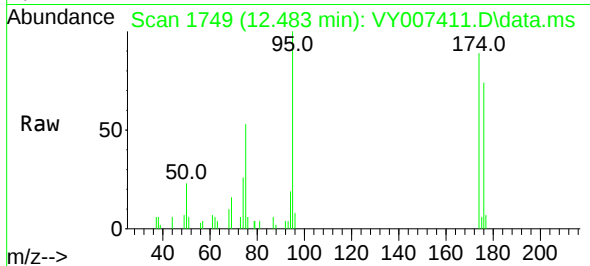




#81
trans-1,4-Dichloro-2-butene
Concen: 118.991 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

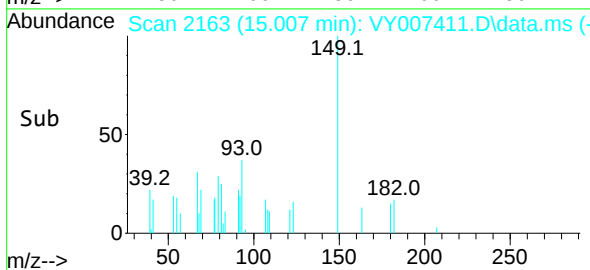
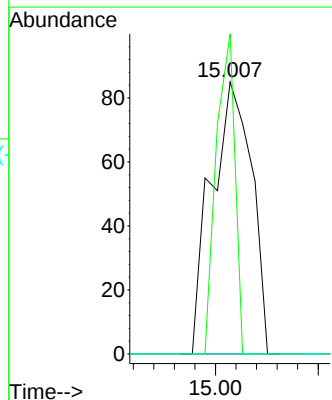
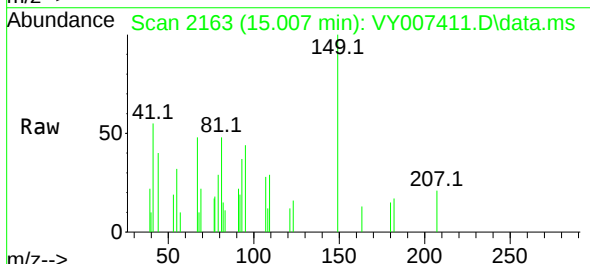
Instrument :
MSVOA_Y
ClientSampleId :
26601

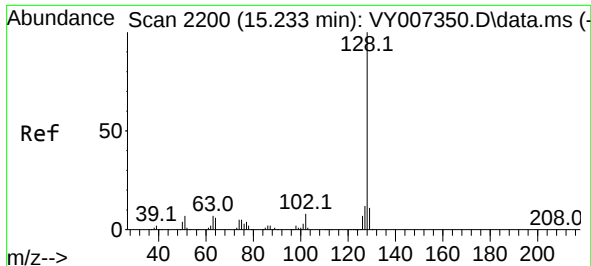
Tgt Ion: 75 Resp: 2496
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.687 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.006 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

Tgt Ion:180 Resp: 116
Ion Ratio Lower Upper
180 100
182 54.3 47.3 141.9
145 0.0 14.6 43.8#

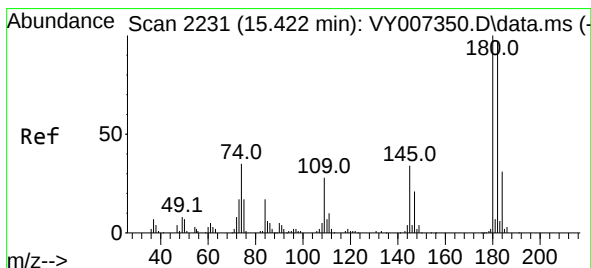
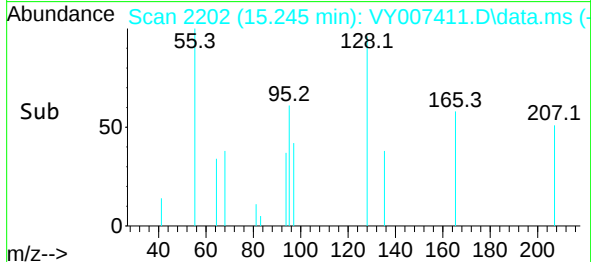
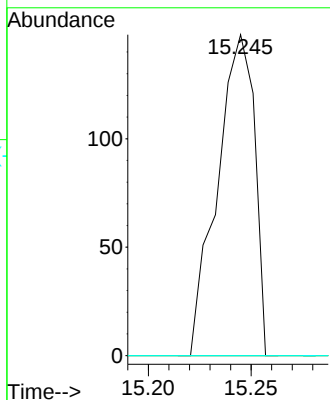
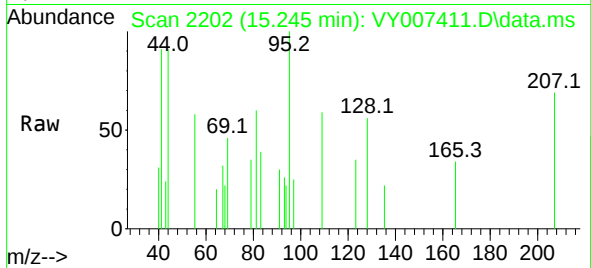




#95
Naphthalene
Concen: 1.308 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

Instrument :
MSVOA_Y
ClientSampleId :
26601

Tgt Ion:128 Resp: 187
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 1.550 ug/l
RT: 15.434 min Scan# 2233
Delta R.T. 0.012 min
Lab File: VY007411.D
Acq: 07 Feb 2022 14:31

Tgt Ion:180 Resp: 90
Ion Ratio Lower Upper
180 100
182 41.1 47.3 141.9#
145 0.0 15.3 45.9#

