

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012522\
 Data File : VY007293.D
 Acq On : 25 Jan 2022 14:43
 Operator : SY/MD
 Sample : N1263-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 26 03:57:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

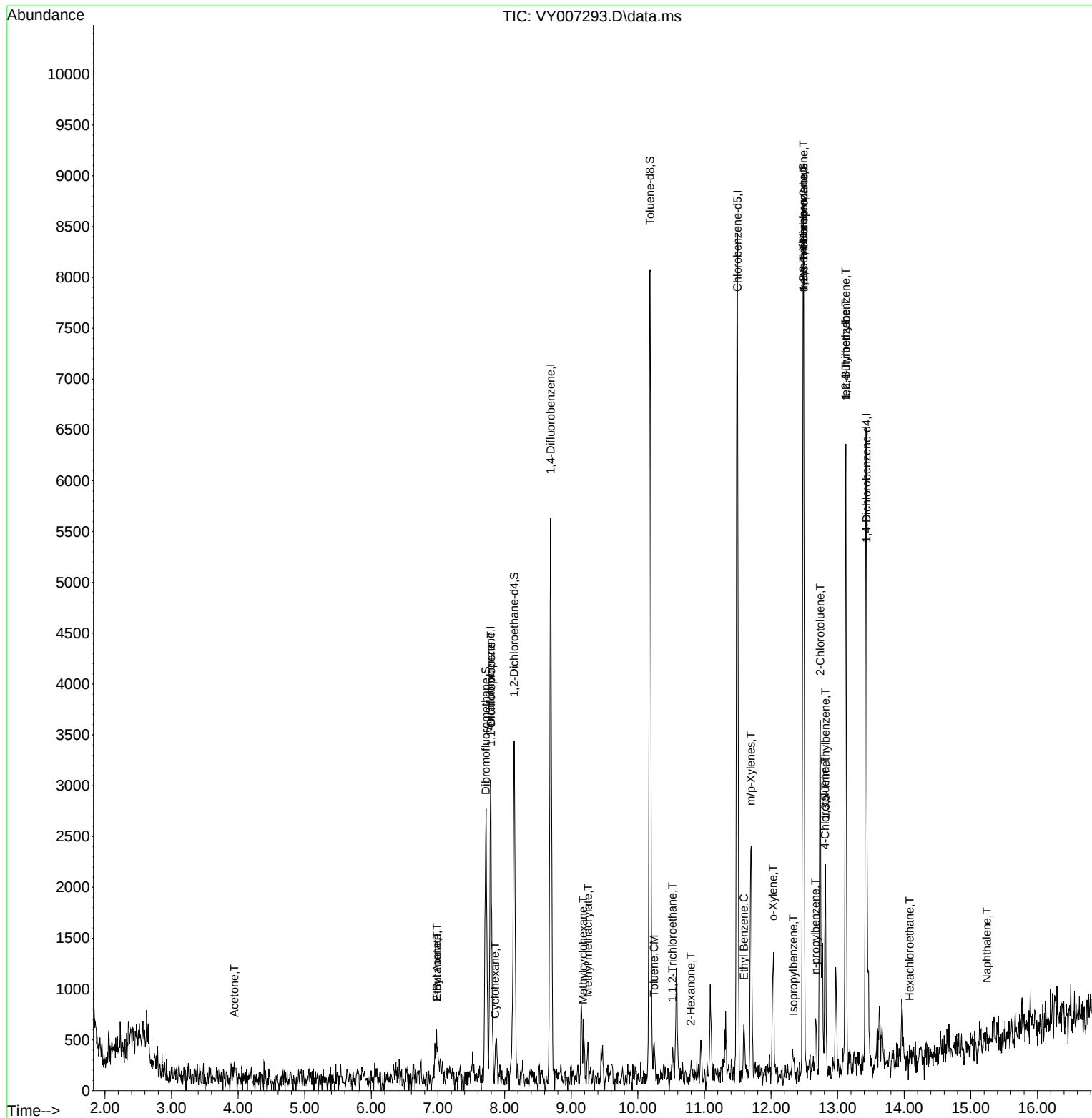
Internal Standards						
1) Pentafluorobenzene	7.789	168	2276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	4825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	4789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	1695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	2317	82.967	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 165.940%#	
35) Dibromofluoromethane	7.716	113	1852	56.765	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.520%	
50) Toluene-d8	10.185	98	5870	49.239	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.480%	
62) 4-Bromofluorobenzene	12.483	95	2100	49.521	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.040%	
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	419	57.811	ug/l #	45
25) 2-Butanone	6.984	43	118	12.593	ug/l #	47
31) Cyclohexane	7.856	56	313	6.629	ug/l #	14
36) 1,1-Dichloropropene	7.795	75	136	2.610	ug/l #	42
37) Ethyl Acetate	6.984	43	118	4.413	ug/l #	67
39) Methylcyclohexane	9.179	83	134	2.106	ug/l #	68
48) Methyl methacrylate	9.252	41	29	1.225	ug/l #	13
52) Toluene	10.246	92	196	2.225	ug/l	85
55) 1,1,2-Trichloroethane	10.520	97	181	6.384	ug/l #	16
59) 2-Hexanone	10.794	43	49	2.737	ug/l #	23
67) Ethyl Benzene	11.593	91	541	2.749	ug/l	99
68) m/p-Xylenes	11.697	106	922	12.606	ug/l	90
69) o-Xylene	12.032	106	458	6.650	ug/l	75
73) Isopropylbenzene	12.337	105	303	2.070	ug/l #	49
76) 1,2,3-Trichloropropane	12.489	75	1300	67.262	ug/l #	100
78) n-propylbenzene	12.666	91	662	3.648	ug/l	93
79) 2-Chlorotoluene	12.739	91	425	4.212	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.819	105	1271	10.574	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.489	75	1300	123.138	ug/l #	3
82) 4-Chlorotoluene	12.812	91	123	1.169	ug/l #	42
83) tert-Butylbenzene	13.123	119	413	3.976	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.123	105	3273	27.470	ug/l	99
90) Hexachloroethane	14.081	117	50	2.003	ug/l #	16
95) Naphthalene	15.239	128	202	2.819	ug/l #	69

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

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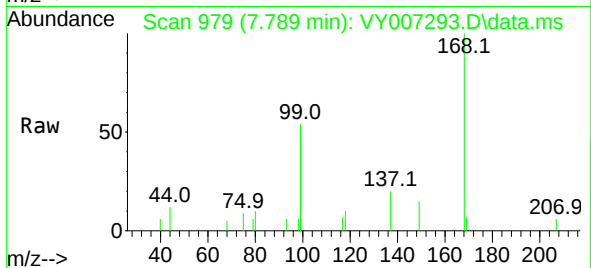
Quant Time: Jan 26 03:57:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
Quant Title : SW846 8260
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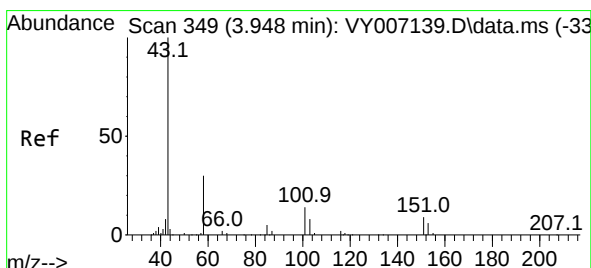
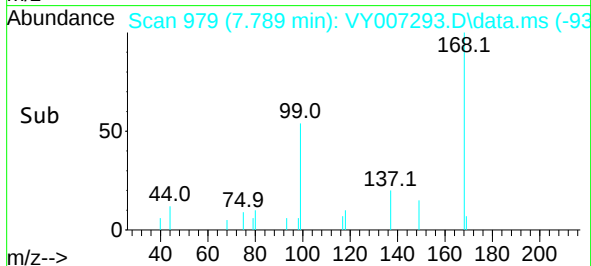
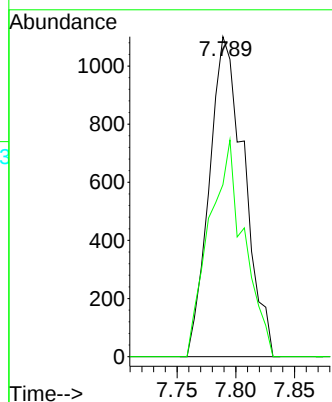


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

Instrument :
MSVOA_Y
ClientSampleId :

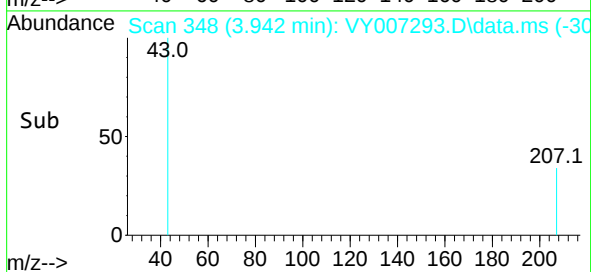
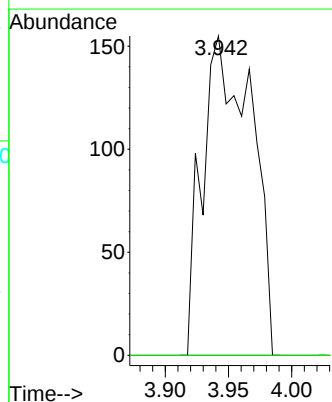
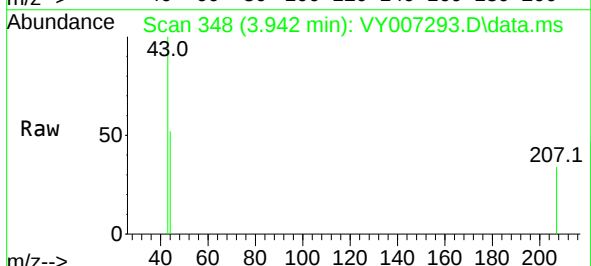


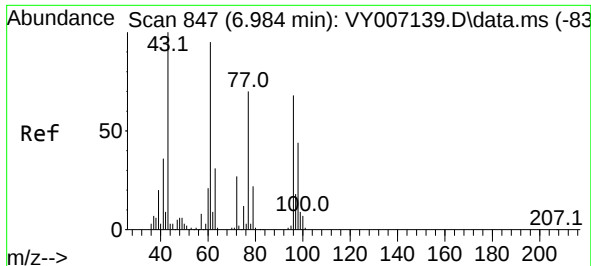
Tgt Ion:168 Resp: 2276
Ion Ratio Lower Upper
168 100
99 53.8 49.1 73.7



#16
Acetone
Concen: 57.811 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

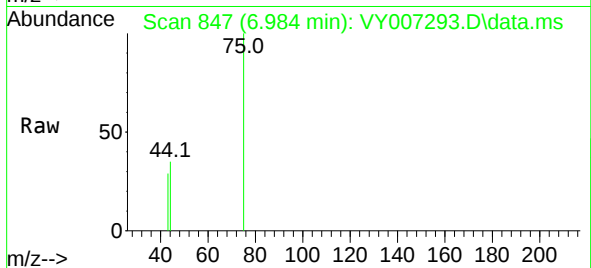
Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



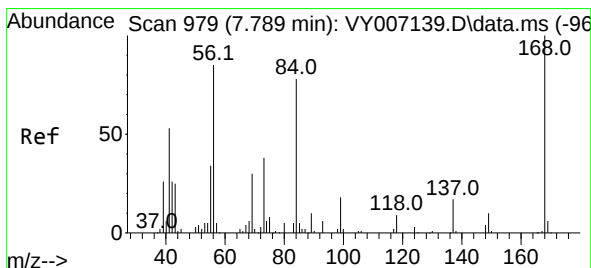
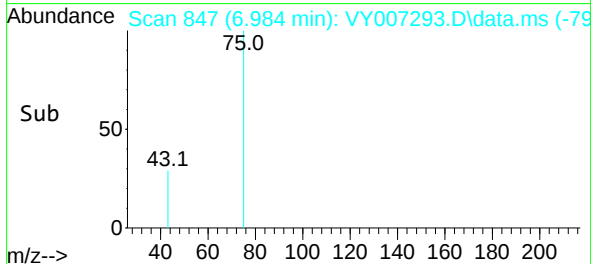
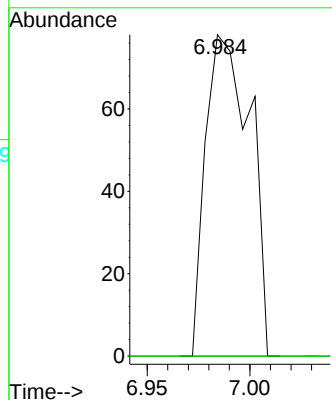


#25
2-Butanone
Concen: 12.593 ug/l
RT: 6.984 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

Instrument :
MSVOA_Y
ClientSampleId :

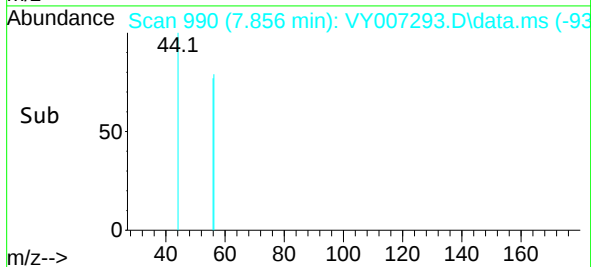
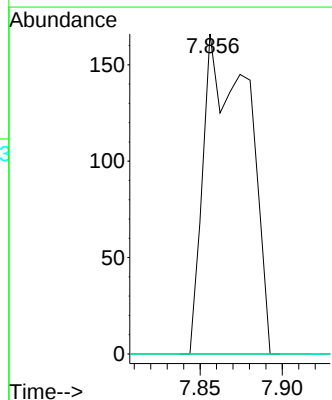
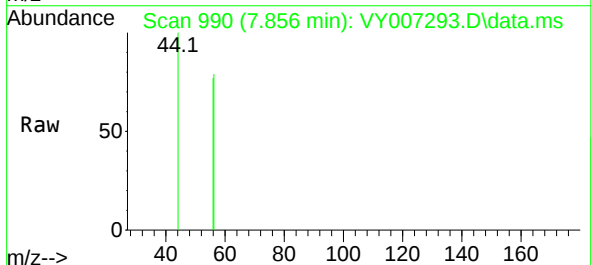


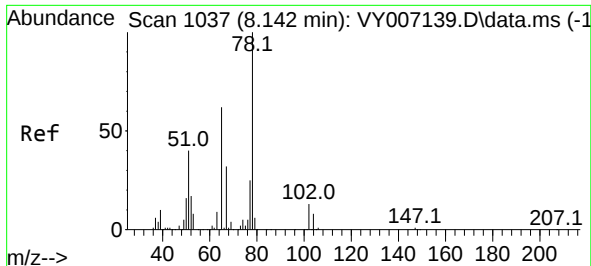
Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#



#31
Cyclohexane
Concen: 6.629 ug/l
RT: 7.856 min Scan# 990
Delta R.T. 0.067 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

Tgt Ion: 56 Resp: 313
Ion Ratio Lower Upper
56 100
69 0.0 27.2 40.8#
84 0.0 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 82.967 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY007293.D

Acq: 25 Jan 2022 14:43

Instrument :

MSVOA_Y

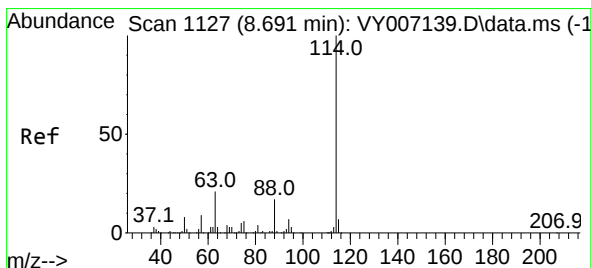
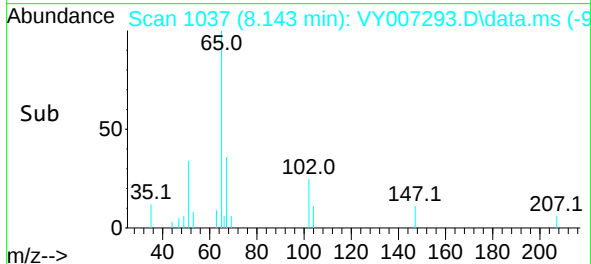
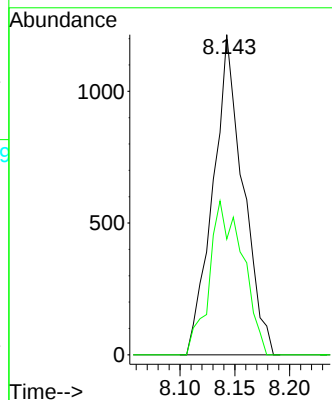
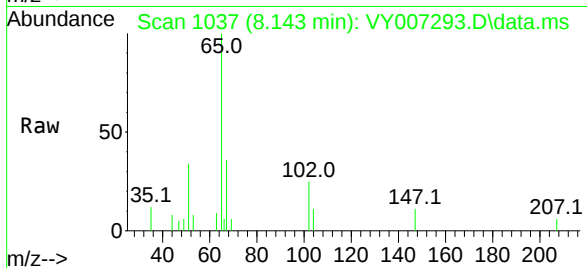
ClientSampleId :

Tgt Ion: 65 Resp: 2317

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007293.D

Acq: 25 Jan 2022 14:43

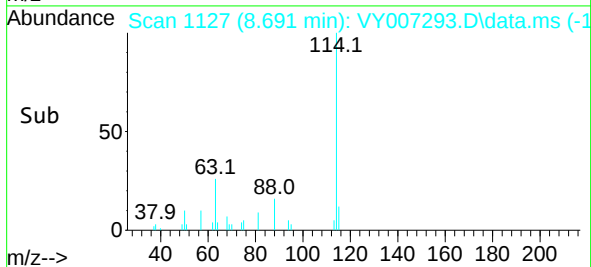
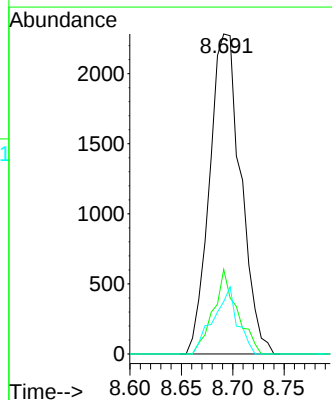
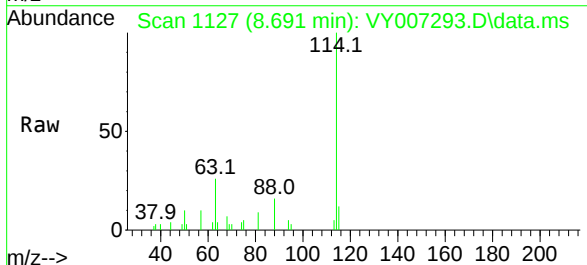
Tgt Ion: 114 Resp: 4825

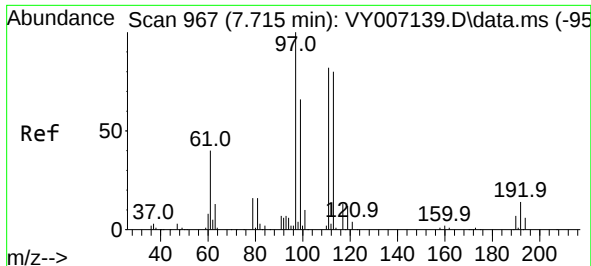
Ion Ratio Lower Upper

114 100

63 26.4 0.0 39.2

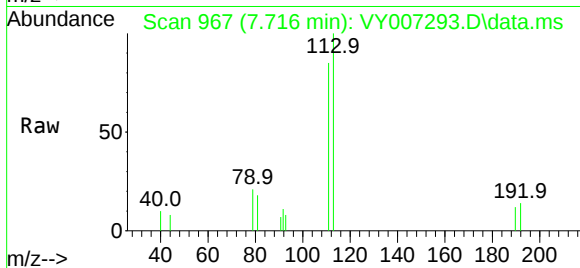
88 16.4 0.0 31.0



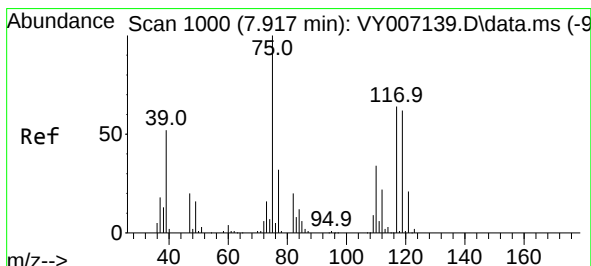
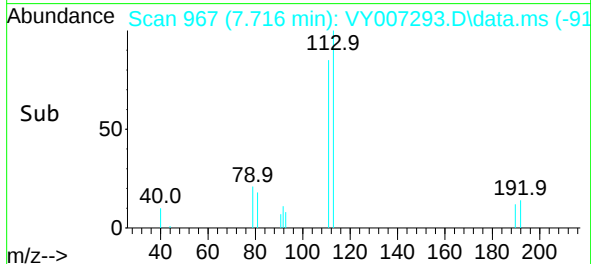
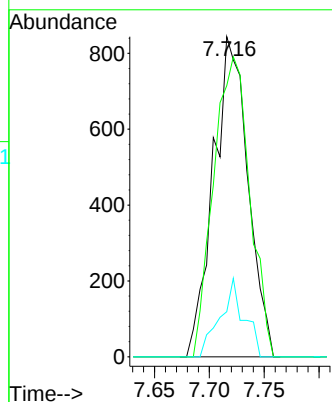


#35
Dibromofluoromethane
Concen: 56.765 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

Instrument :
MSVOA_Y
ClientSampleId :

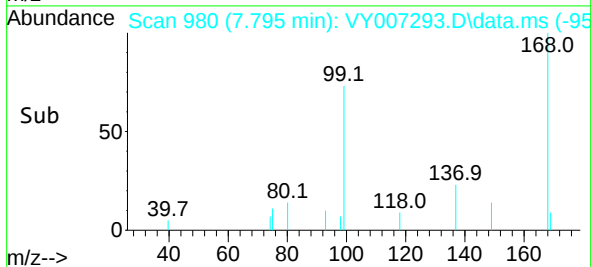
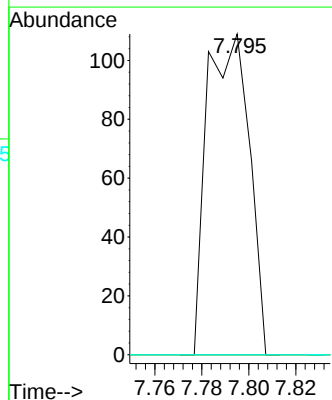
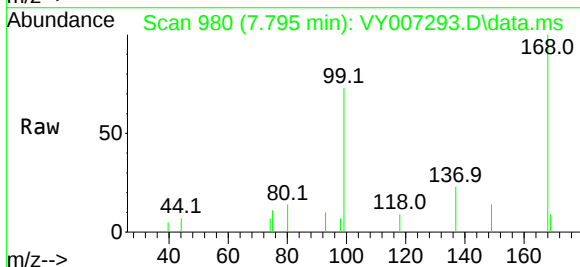


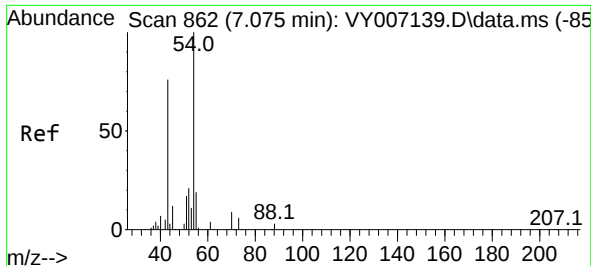
Tgt Ion:113 Resp: 1852
Ion Ratio Lower Upper
113 100
111 97.9 82.2 123.4
192 16.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 2.610 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

Tgt Ion: 75 Resp: 136
Ion Ratio Lower Upper
75 100
110 0.0 17.3 51.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 4.413 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.091 min

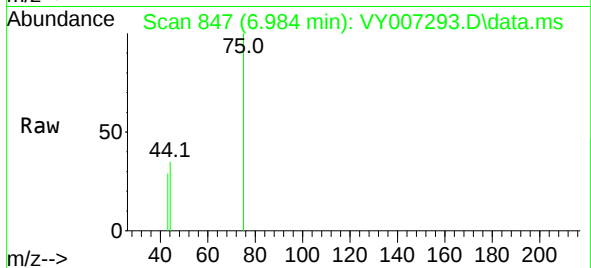
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Acq: 25 Jan 2022 14:43

Instrument :

MSVOA_Y

ClientSampleId :



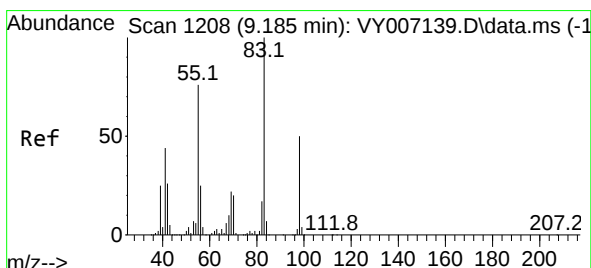
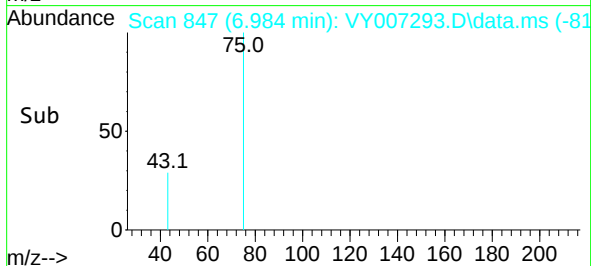
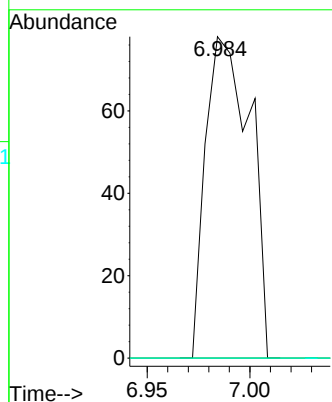
Tgt Ion: 43 Resp: 118

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.8#

70 0.0 9.0 13.4#



#39

Methylcyclohexane

Concen: 2.106 ug/l

RT: 9.179 min Scan# 1207

Delta R.T. -0.006 min

Lab File: VY007293.D

Acq: 25 Jan 2022 14:43

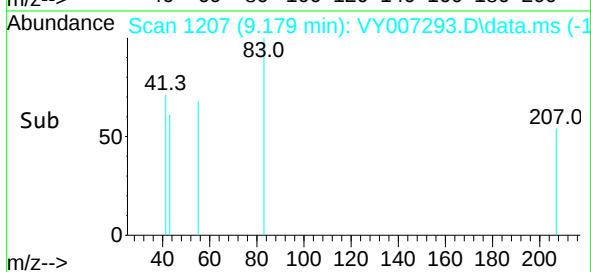
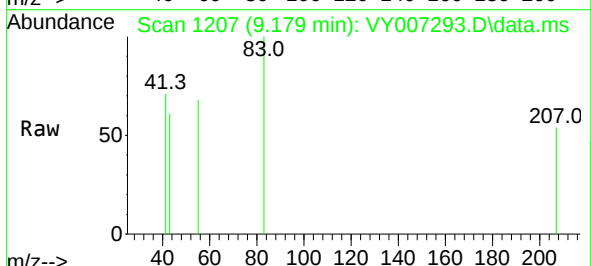
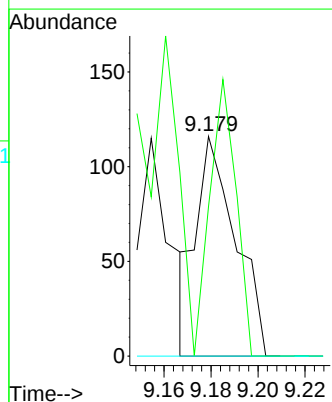
Tgt Ion: 83 Resp: 134

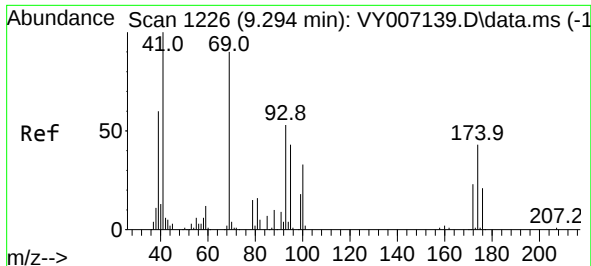
Ion Ratio Lower Upper

83 100

55 68.1 58.8 88.2

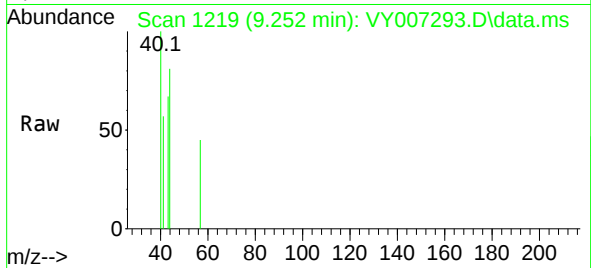
98 0.0 38.7 58.1#



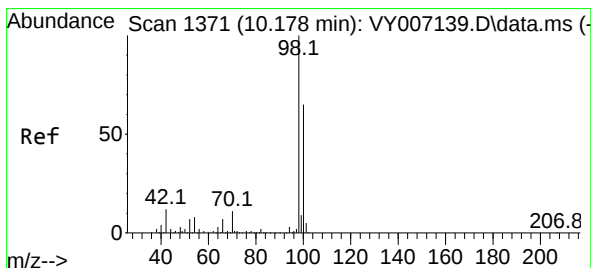
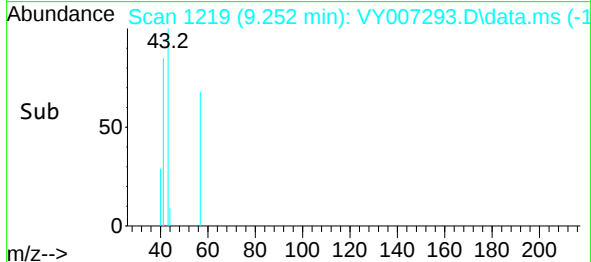
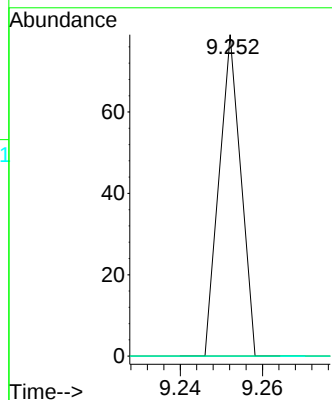


#48
Methyl methacrylate
Concen: 1.225 ug/l
RT: 9.252 min Scan# 11
Delta R.T. -0.042 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

Instrument :
MSVOA_Y
ClientSampleId :

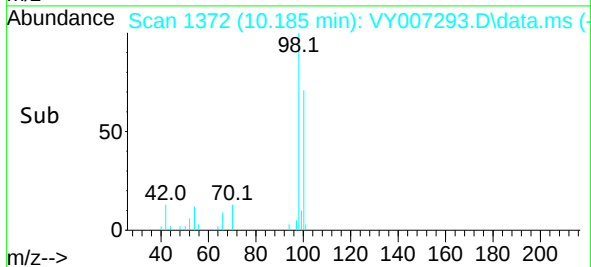
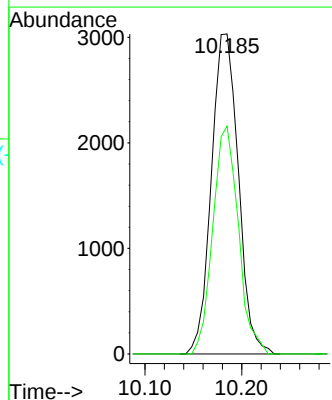
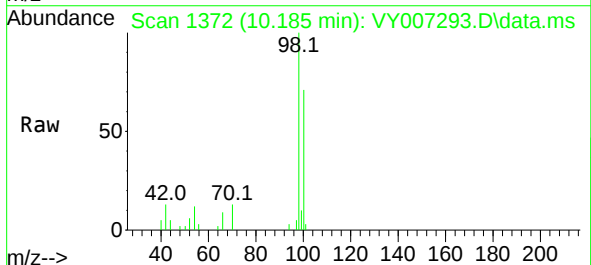


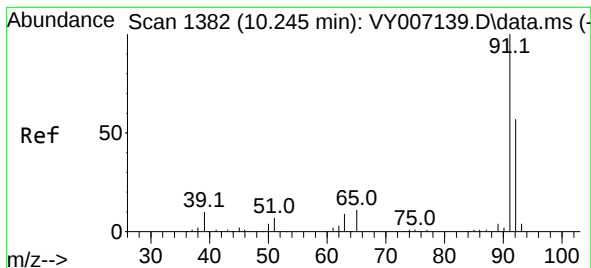
Tgt Ion: 41 Resp: 29
Ion Ratio Lower Upper
41 100
69 0.0 70.5 105.7#
39 0.0 43.8 65.8#



#50
Toluene-d8
Concen: 49.239 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

Tgt Ion: 98 Resp: 5870
Ion Ratio Lower Upper
98 100
100 67.4 52.2 78.2





#52

Toluene

Concen: 2.225 ug/l

RT: 10.246 min Scan# 11

Delta R.T. 0.000 min

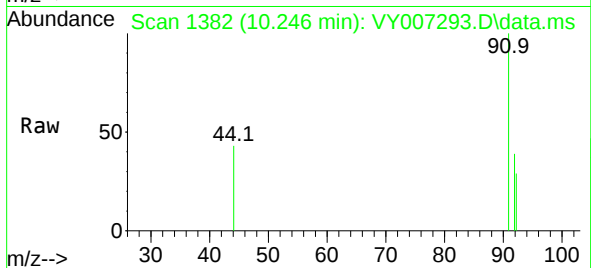
Lab File: VY007293.D

Acq: 25 Jan 2022 14:43

Instrument :

MSVOA_Y

ClientSampleId :

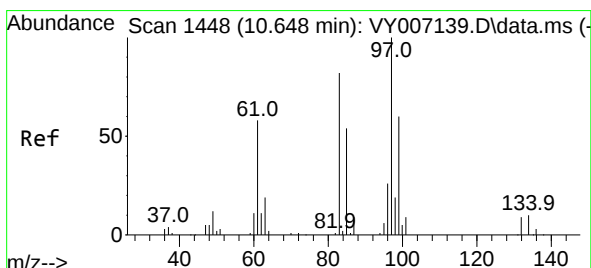
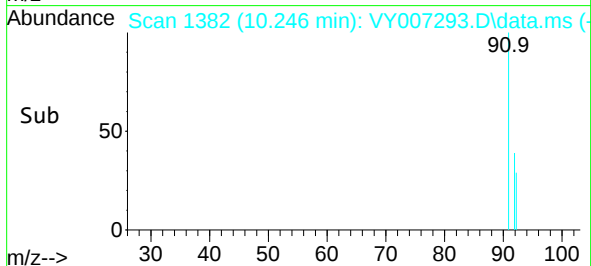
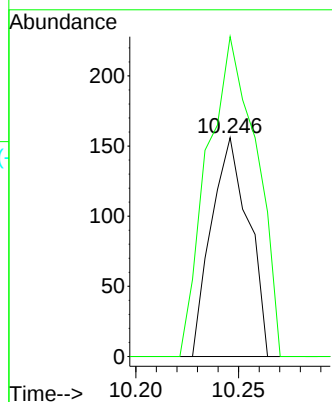


Tgt Ion: 92 Resp: 196

Ion Ratio Lower Upper

92 100

91 193.4 138.6 207.8



#55

1,1,2-Trichloroethane

Concen: 6.384 ug/l

RT: 10.520 min Scan# 1427

Delta R.T. -0.128 min

Lab File: VY007293.D

Acq: 25 Jan 2022 14:43

Tgt Ion: 97 Resp: 181

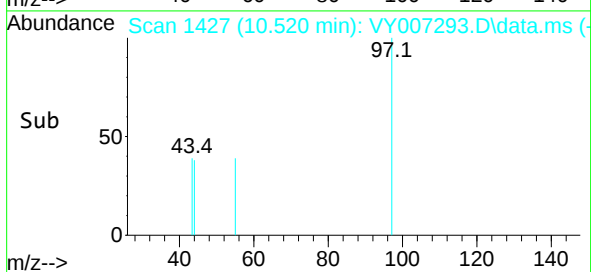
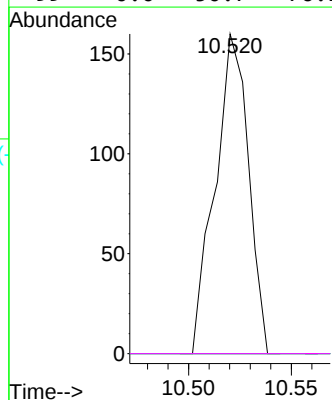
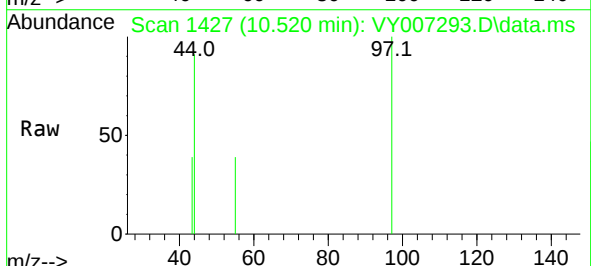
Ion Ratio Lower Upper

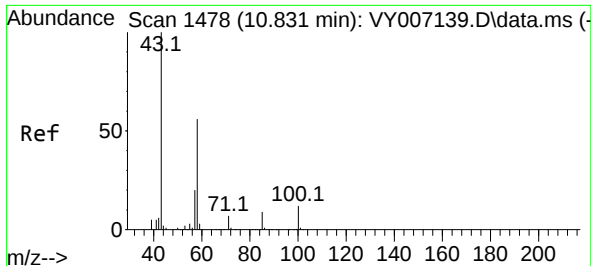
97 100

83 0.0 67.0 100.4#

85 0.0 41.2 61.8#

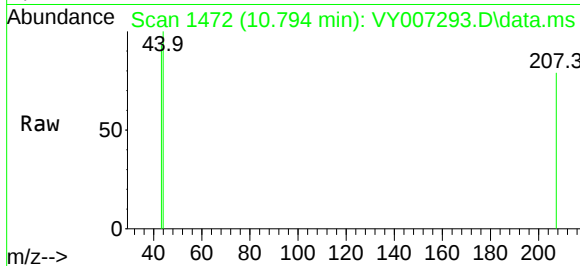
99 0.0 50.7 76.1#



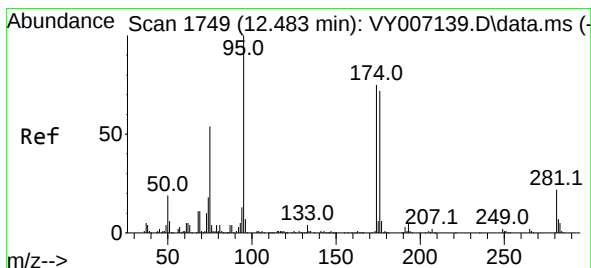
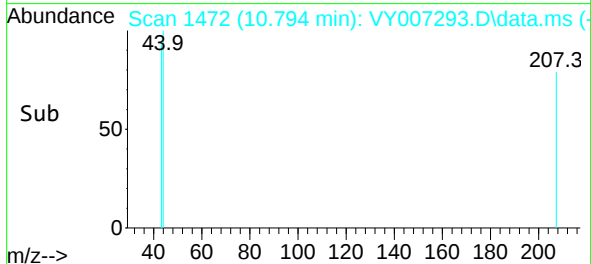
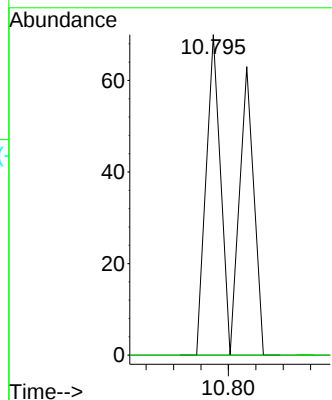


#59
2-Hexanone
Concen: 2.737 ug/l
RT: 10.794 min Scan# 1478
Delta R.T. -0.036 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

Instrument :
MSVOA_Y
ClientSampleId :

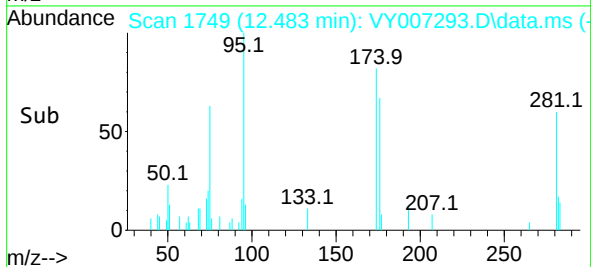
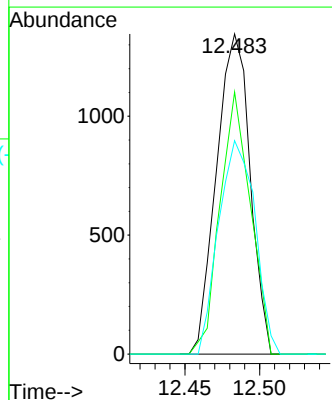
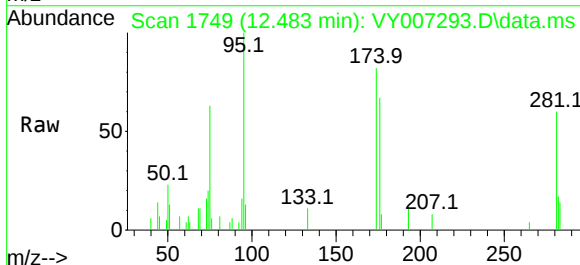


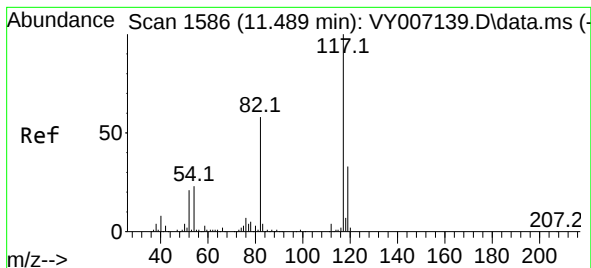
Tgt Ion: 43 Resp: 49
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 49.521 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

Tgt Ion: 95 Resp: 2100
Ion Ratio Lower Upper
95 100
174 74.1 0.0 148.4
176 72.3 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

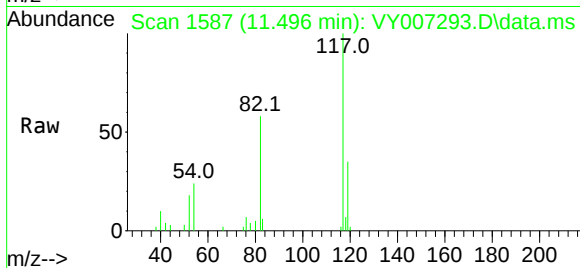
Lab File: VY007293.D

Acq: 25 Jan 2022 14:43

Instrument :

MSVOA_Y

ClientSampleId :



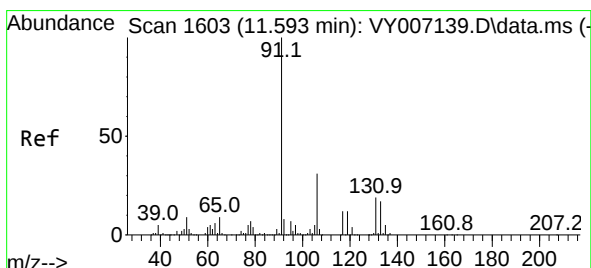
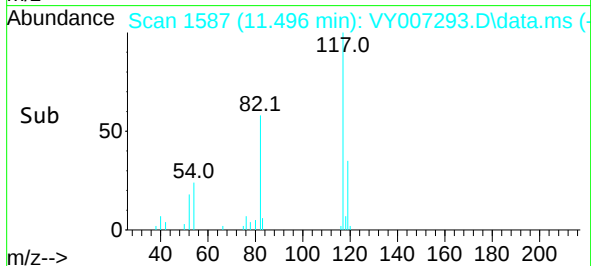
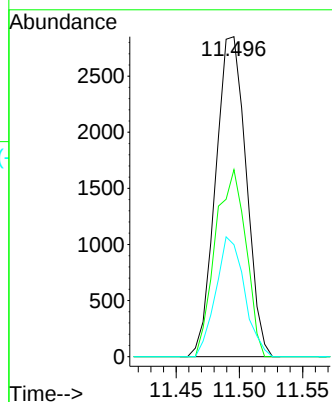
Tgt Ion:117 Resp: 4789

Ion Ratio Lower Upper

117 100

82 58.5 45.4 68.0

119 35.0 26.4 39.6



#67

Ethyl Benzene

Concen: 2.749 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY007293.D

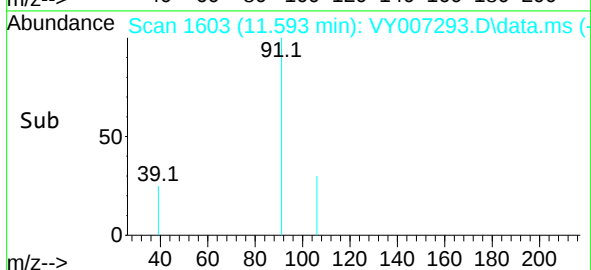
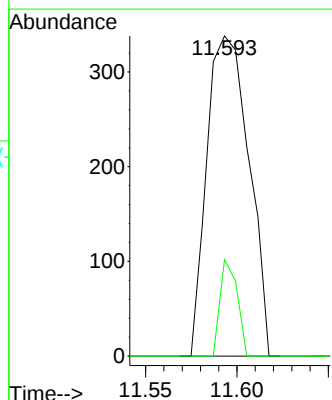
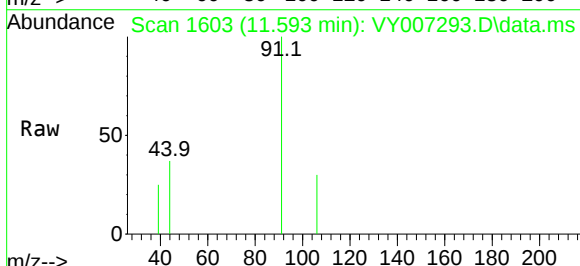
Acq: 25 Jan 2022 14:43

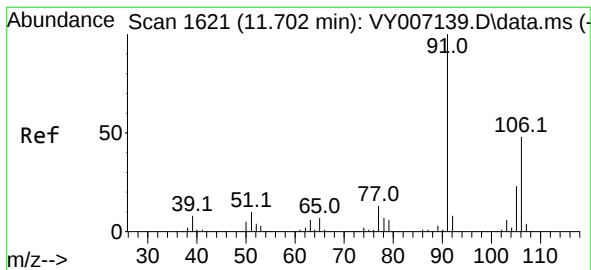
Tgt Ion: 91 Resp: 541

Ion Ratio Lower Upper

91 100

106 30.2 23.9 35.9





#68

m/p-Xylenes

Concen: 12.606 ug/l

RT: 11.697 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY007293.D

Acq: 25 Jan 2022 14:43

Instrument :

MSVOA_Y

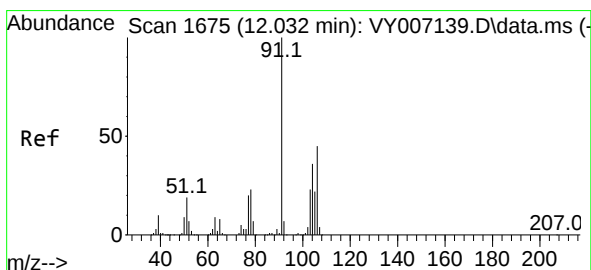
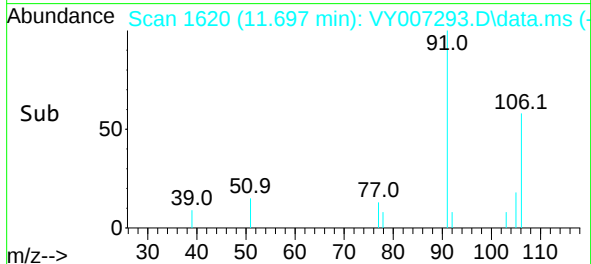
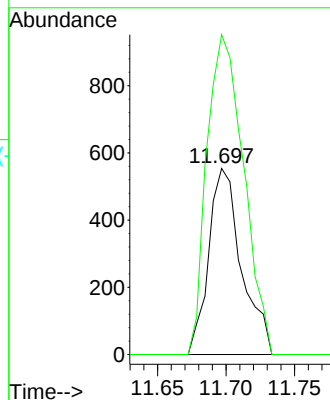
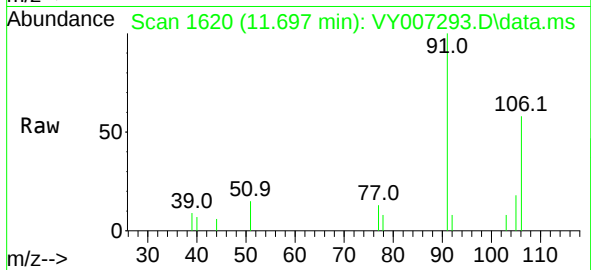
ClientSampleId :

Tgt Ion:106 Resp: 922

Ion Ratio Lower Upper

106 100

91 193.0 167.1 250.7



#69

o-Xylene

Concen: 6.650 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VY007293.D

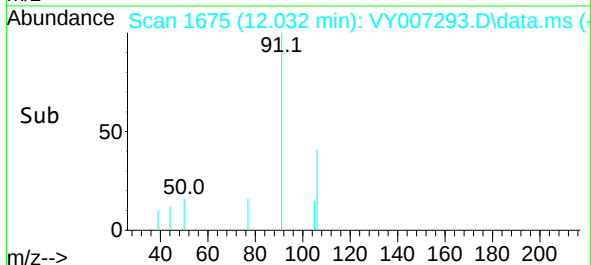
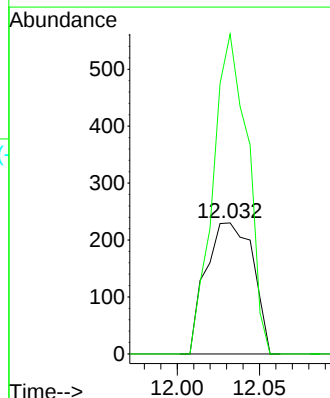
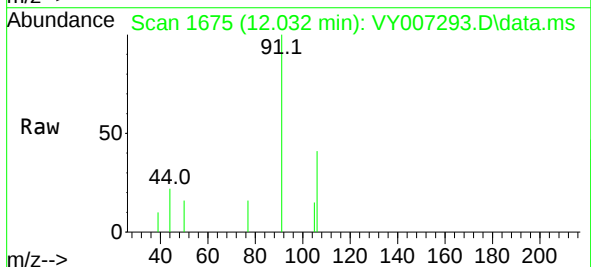
Acq: 25 Jan 2022 14:43

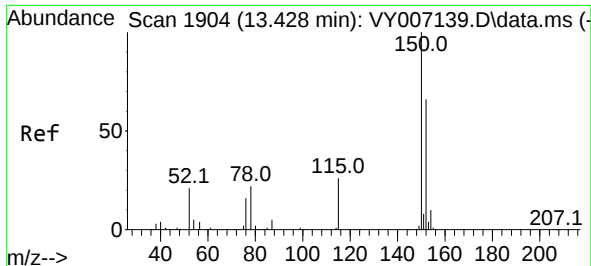
Tgt Ion:106 Resp: 458

Ion Ratio Lower Upper

106 100

91 180.1 109.9 329.6

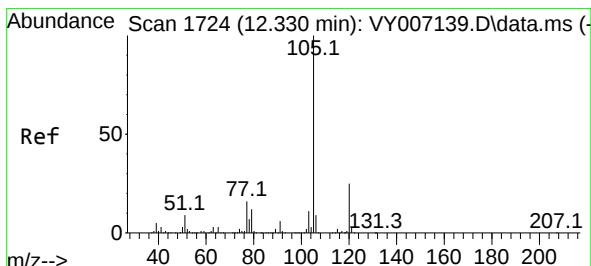
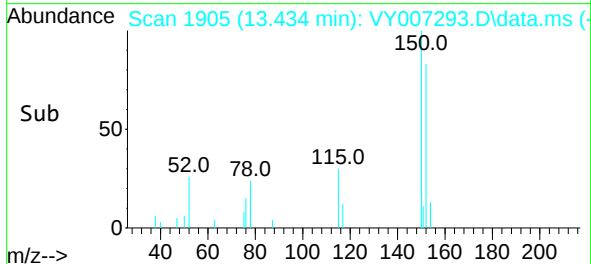
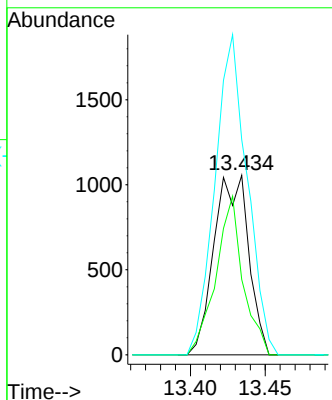
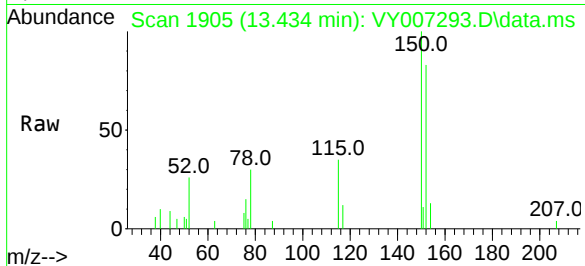




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

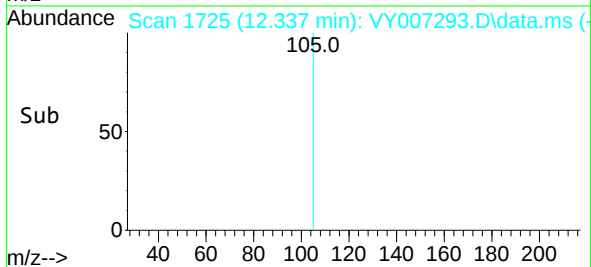
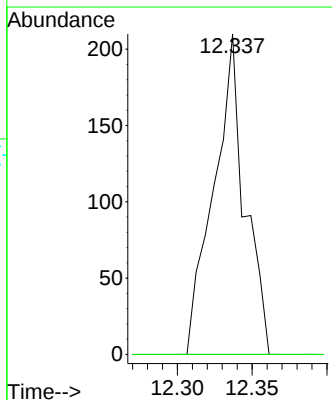
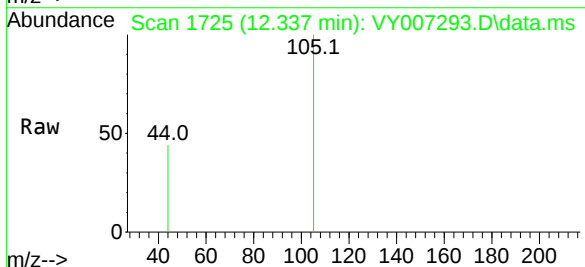
Instrument :
MSVOA_Y
ClientSampleId :

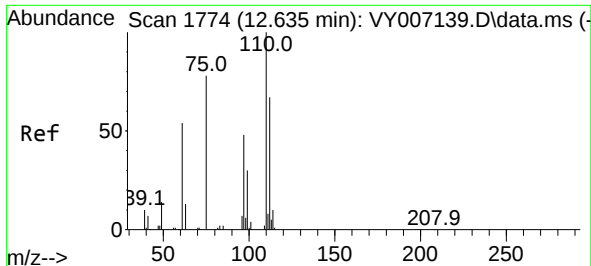
Tgt Ion:152 Resp: 1695
Ion Ratio Lower Upper
152 100
115 69.2 31.4 94.0
150 166.1 0.0 348.4



#73
Isopropylbenzene
Concen: 2.070 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

Tgt Ion:105 Resp: 303
Ion Ratio Lower Upper
105 100
120 0.0 13.1 39.1#

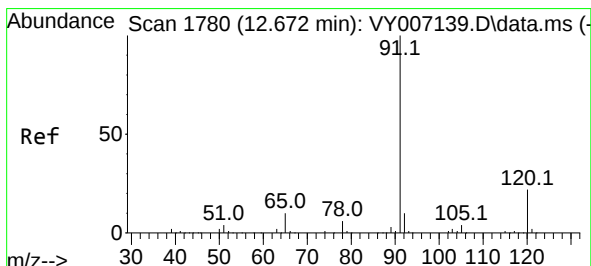
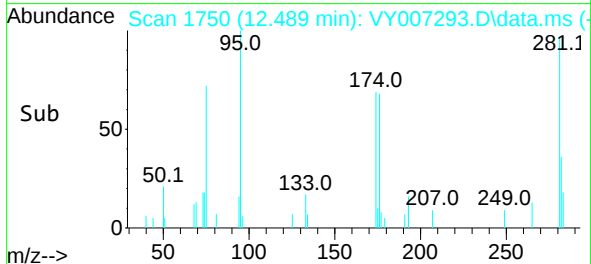
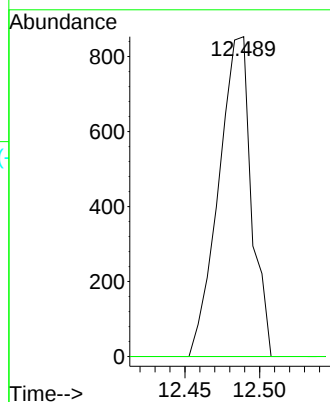
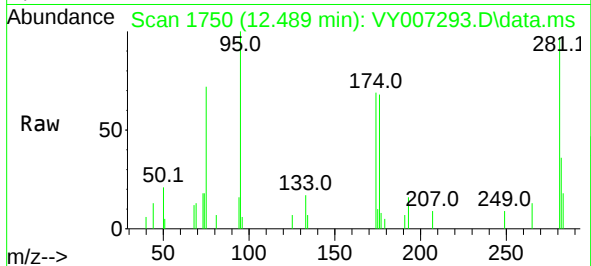




#76
1,2,3-Trichloropropane
Concen: 67.262 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

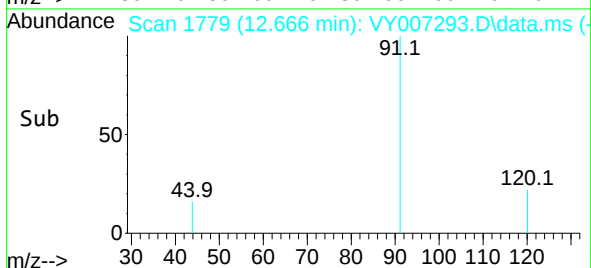
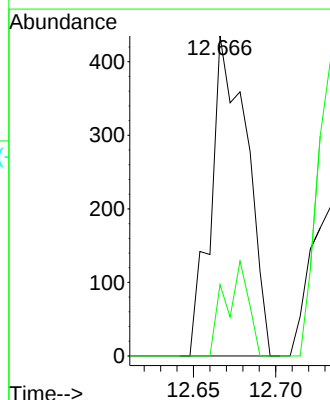
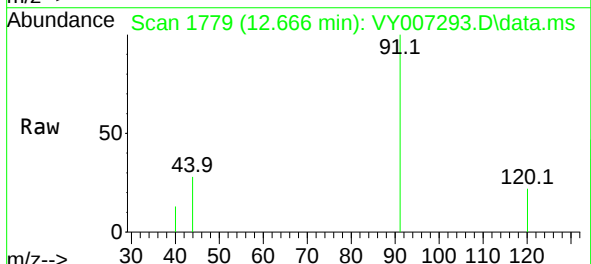
Instrument :
MSVOA_Y
ClientSampleId :

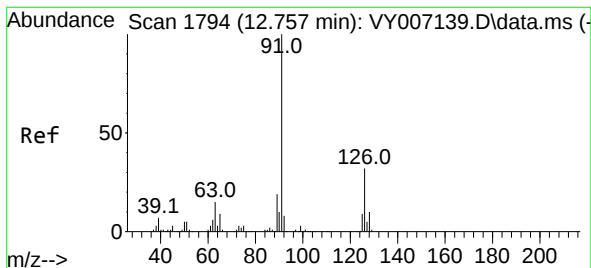
Tgt Ion: 75 Resp: 1300
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 3.648 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

Tgt Ion: 91 Resp: 662
Ion Ratio Lower Upper
91 100
120 19.2 11.2 33.5





#79

2-Chlorotoluene

Concen: 4.212 ug/l

RT: 12.739 min Scan# 11

Delta R.T. -0.018 min

Lab File: VY007293.D

Acq: 25 Jan 2022 14:43

Instrument :

MSVOA_Y

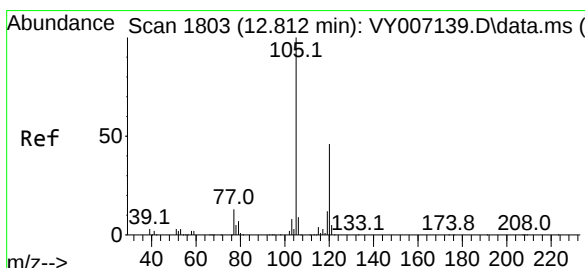
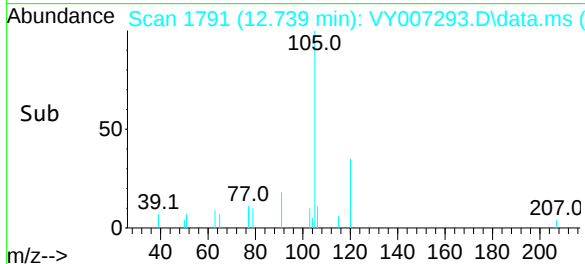
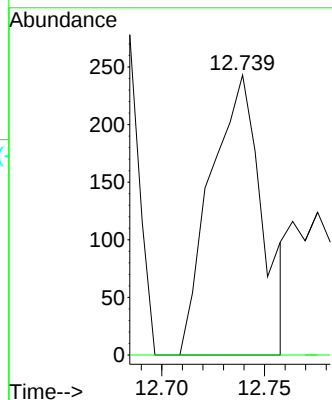
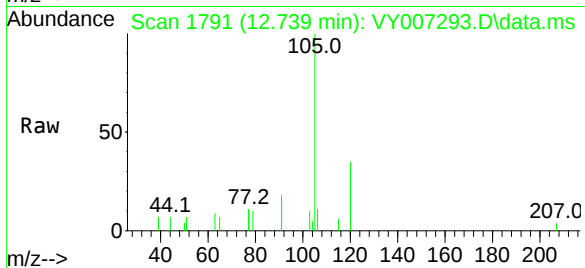
ClientSampleId :

Tgt Ion: 91 Resp: 425

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



#80

1,3,5-Trimethylbenzene

Concen: 10.574 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY007293.D

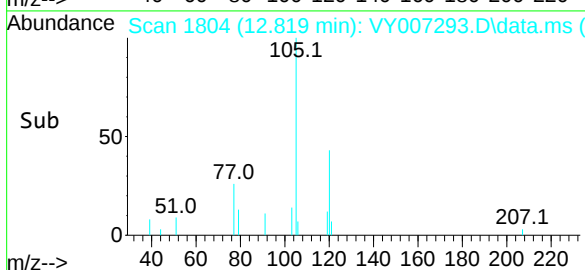
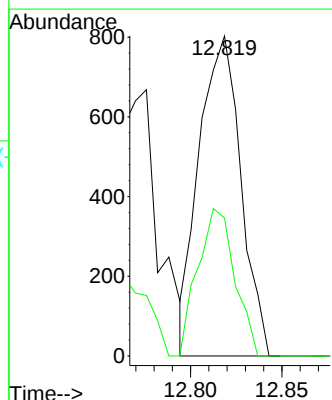
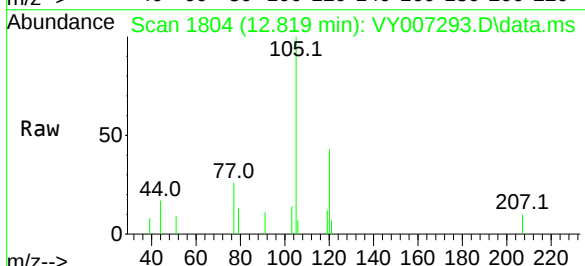
Acq: 25 Jan 2022 14:43

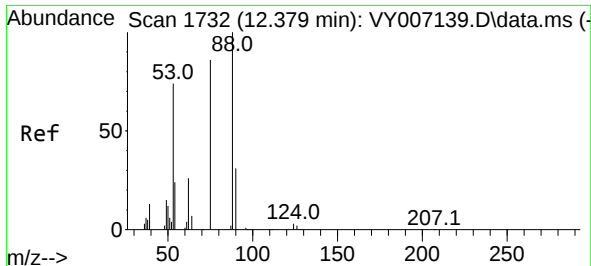
Tgt Ion: 105 Resp: 1271

Ion Ratio Lower Upper

105 100

120 41.1 23.7 71.1

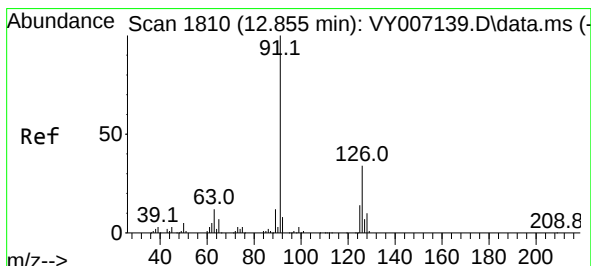
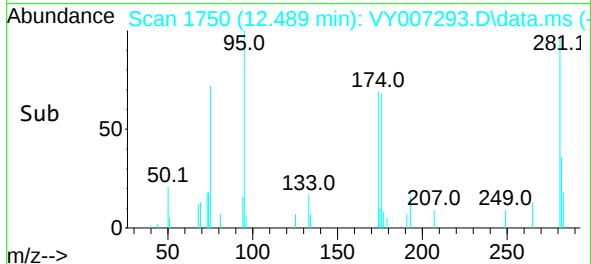
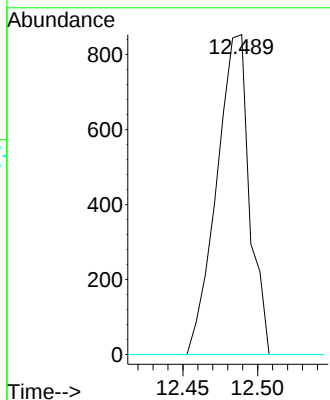
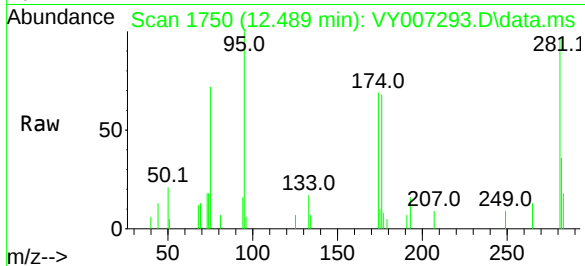




#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.138 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY007293.D
 Acq: 25 Jan 2022 14:43

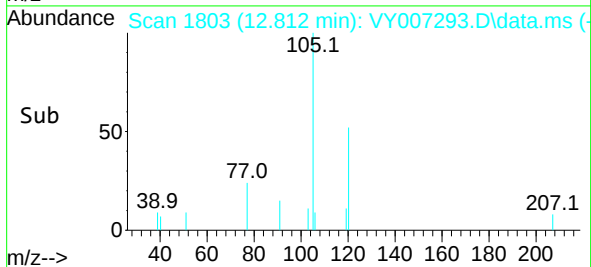
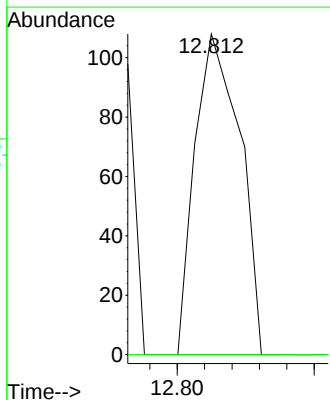
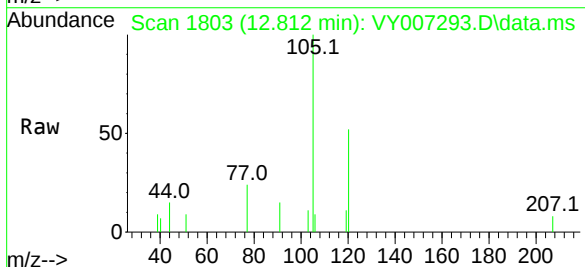
Instrument :
 MSVOA_Y
 ClientSampleId :

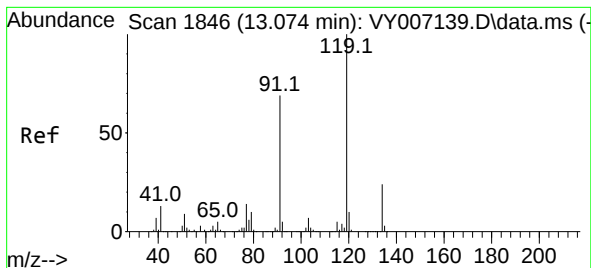
Tgt Ion: 75 Resp: 1300
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 0.0 0.0 0.0



#82
 4-Chlorotoluene
 Concen: 1.169 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. -0.042 min
 Lab File: VY007293.D
 Acq: 25 Jan 2022 14:43

Tgt Ion: 91 Resp: 123
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.3 48.9#





#83

tert-Butylbenzene

Concen: 3.976 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.049 min

Lab File: VY007293.D

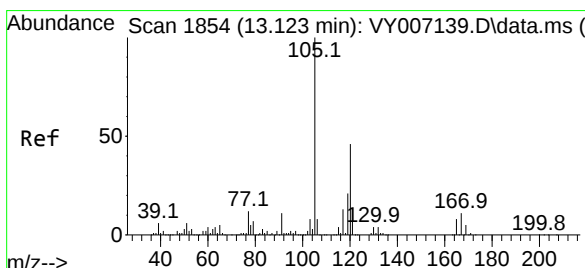
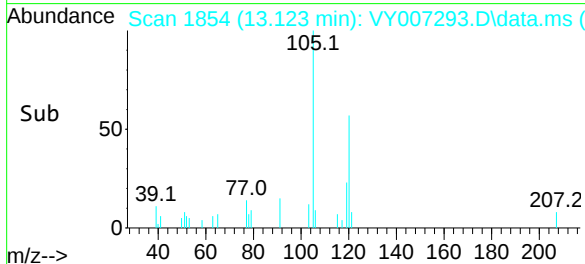
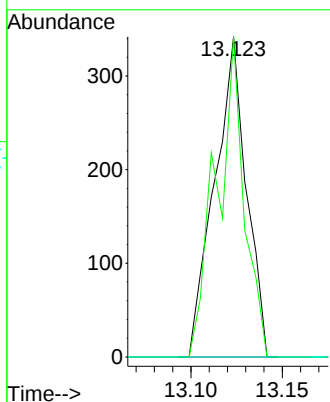
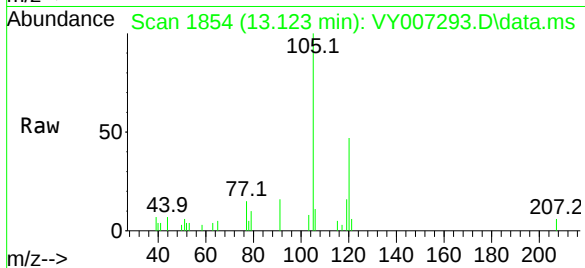
Acq: 25 Jan 2022 14:43

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:119	Resp:	413
Ion Ratio	Lower	Upper
119	100	
91	87.7	33.1 99.5
134	0.0	12.9 38.7#



#84

1,2,4-Trimethylbenzene

Concen: 27.470 ug/l

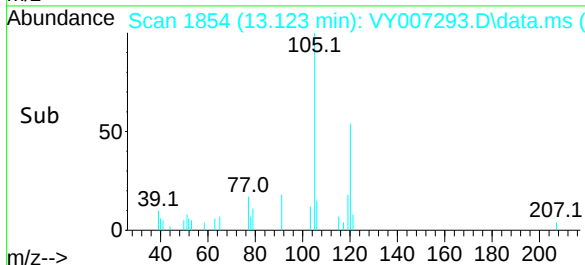
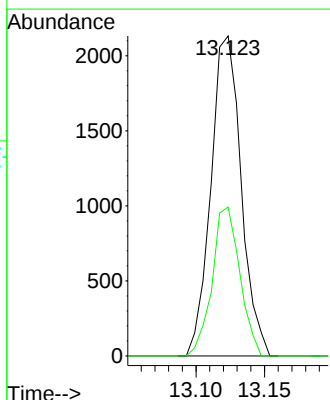
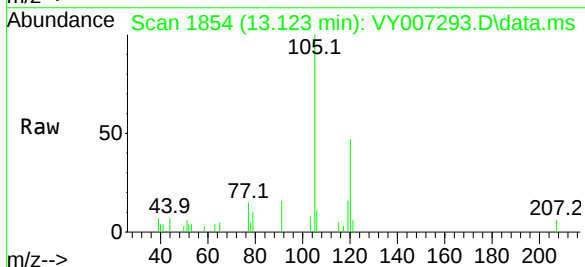
RT: 13.123 min Scan# 1854

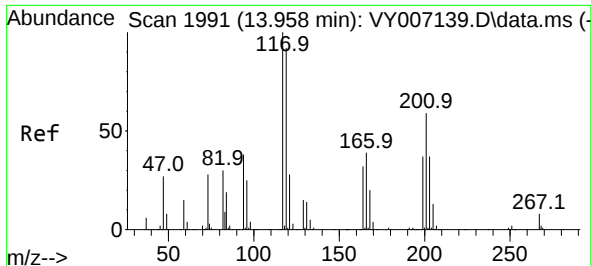
Delta R.T. 0.000 min

Lab File: VY007293.D

Acq: 25 Jan 2022 14:43

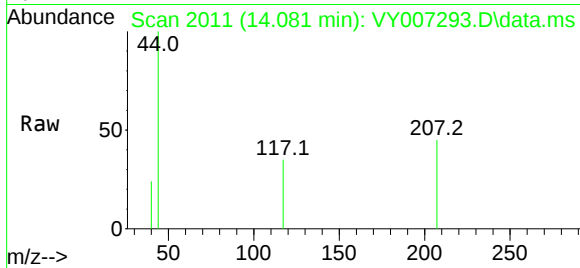
Tgt Ion:105	Resp:	3273
Ion Ratio	Lower	Upper
105	100	
120	42.6	21.6 64.6



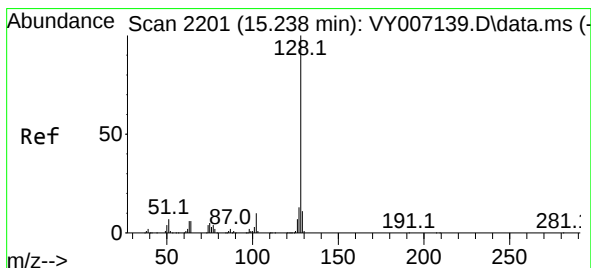
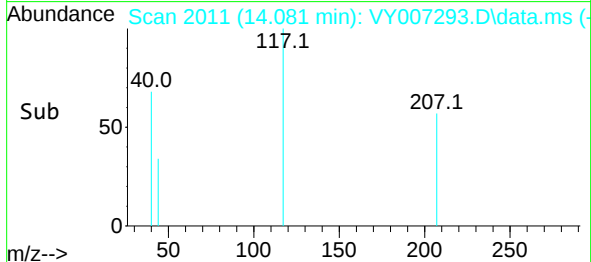
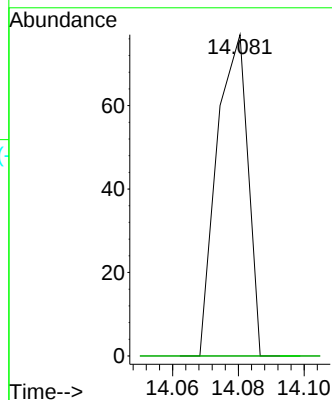


#90
Hexachloroethane
Concen: 2.003 ug/l
RT: 14.081 min Scan# 2011
Delta R.T. 0.122 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:117 Resp: 50
Ion Ratio Lower Upper
117 100
201 0.0 33.6 100.6#



#95
Naphthalene
Concen: 2.819 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY007293.D
Acq: 25 Jan 2022 14:43

Tgt Ion:128 Resp: 202
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.9 13.3#

