

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
 Data File : VY007189.D
 Acq On : 17 Jan 2022 16:01
 Operator : SY/MD
 Sample : N1145-05
 Misc : 6.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-5-8.5

Quant Time: Jan 18 03:09:48 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)

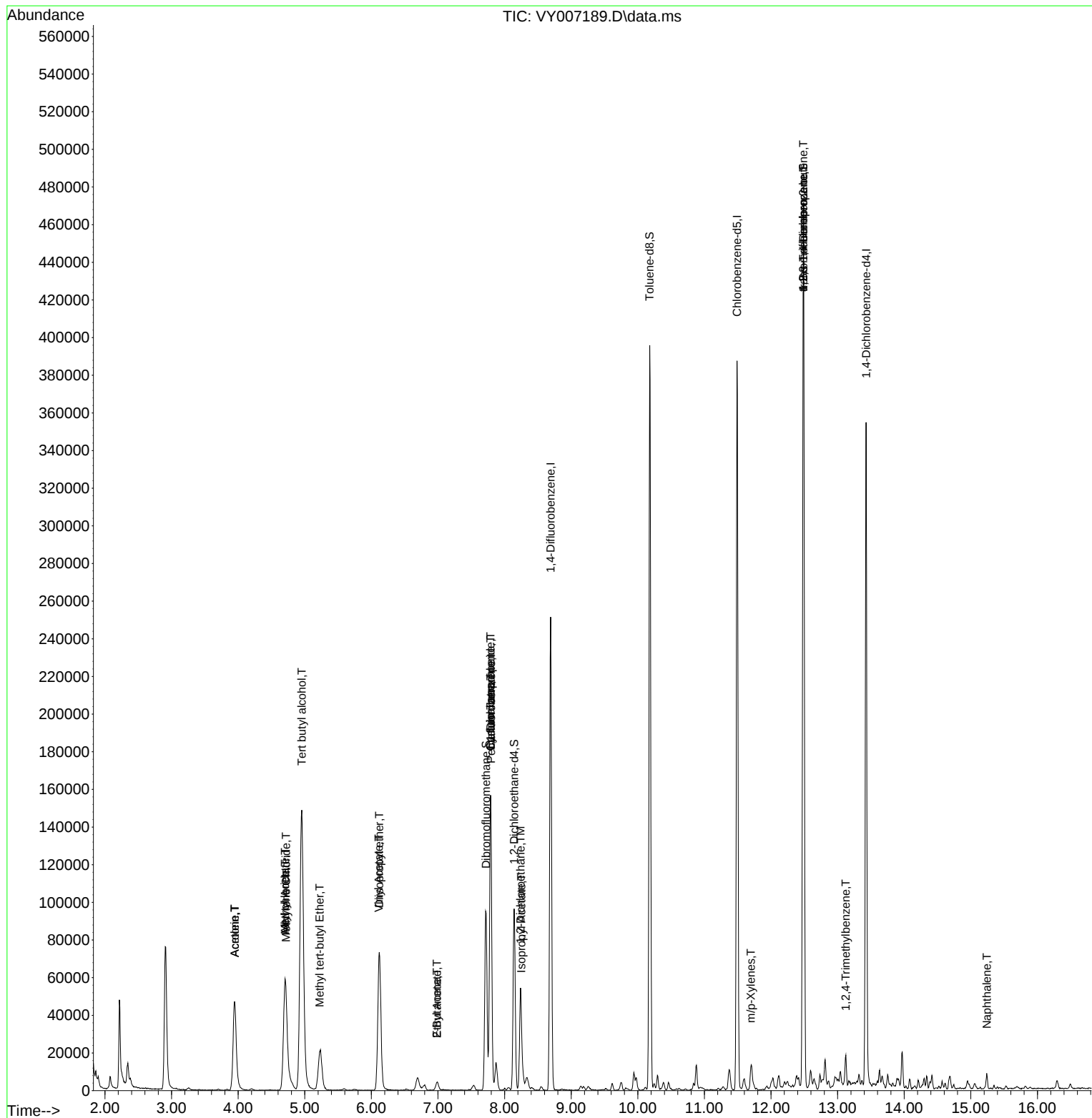
Internal Standards						
1) Pentafluorobenzene	7.795	168	113187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	208209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	193232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	78409	56.457	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.920%
35) Dibromofluoromethane	7.722	113	69022	49.025	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.060%
50) Toluene-d8	10.179	98	256846	49.928	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.860%
62) 4-Bromofluorobenzene	12.483	95	94300	51.533	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	334450	2874.806	ug/l	99
13) Acrolein	3.948	56	8306	294.852	ug/l #	82
14) Allyl chloride	4.704	41	28902	14.074	ug/l #	58
16) Acetone	3.948	43	51980	144.215	ug/l #	82
18) Methyl Acetate	4.704	43	65733	51.254	ug/l #	49
19) Methyl tert-butyl Ether	5.222	73	22949	9.101	ug/l #	34
20) Methylene Chloride	4.716	84	3077	2.065	ug/l #	50
22) Diisopropyl ether	6.119	45	101459	24.387	ug/l	94
23) Vinyl Acetate	6.112	43	50741	20.738	ug/l #	70
25) 2-Butanone	6.984	43	5025	10.783	ug/l	98
31) Cyclohexane	7.789	56	3701	1.576	ug/l #	20
36) 1,1-Dichloropropene	7.789	75	9921	4.412	ug/l #	50
37) Ethyl Acetate	6.984	43	5025	4.355	ug/l #	67
38) Carbon Tetrachloride	7.789	117	12349	5.221	ug/l #	16
42) 1,2-Dichloroethane	8.240	62	28776	15.235	ug/l	100
43) Isopropyl Acetate	8.252	43	5188	2.311	ug/l #	32
68) m/p-Xylenes	11.697	106	3331	1.129	ug/l	93
76) 1,2,3-Trichloropropane	12.483	75	52890	56.376	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52890	103.209	ug/l #	4
84) 1,2,4-Trimethylbenzene	13.123	105	8860	1.532	ug/l	97
95) Naphthalene	15.239	128	5655	1.626	ug/l	97

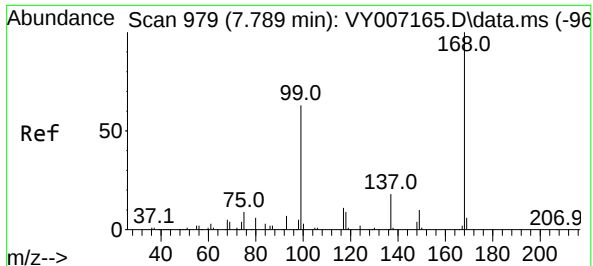
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

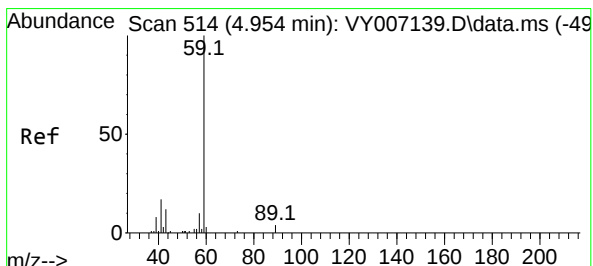
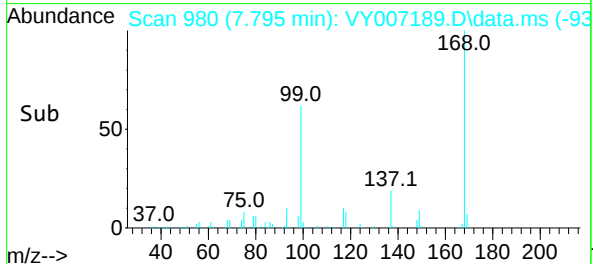
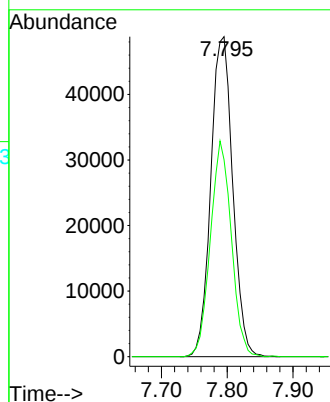
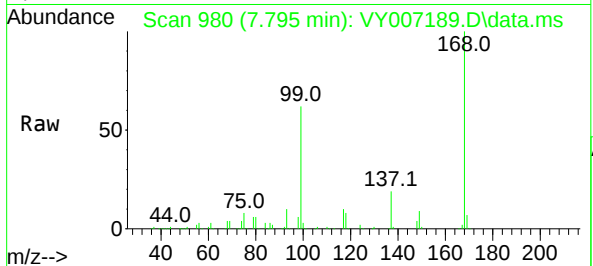




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

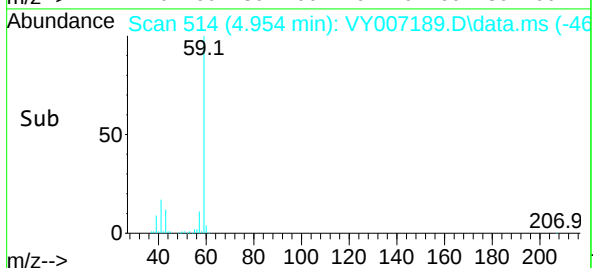
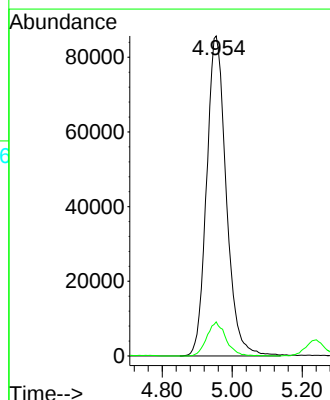
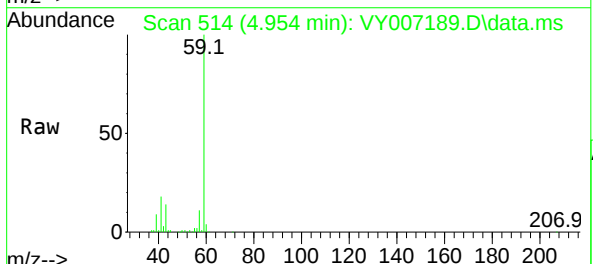
Instrument :
MSVOA_Y
ClientSampleId :
A3-5-8.5

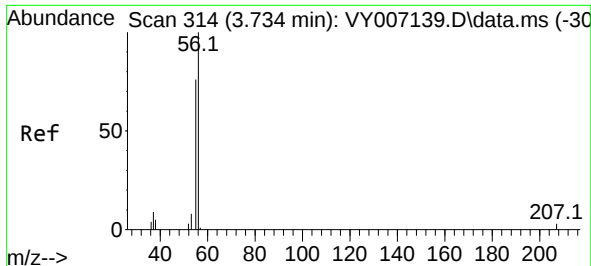
Tgt Ion:168 Resp: 113187
Ion Ratio Lower Upper
168 100
99 61.5 49.1 73.7



#11
Tert butyl alcohol
Concen: 2874.806 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

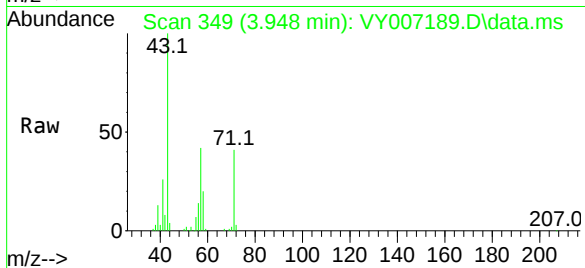
Tgt Ion: 59 Resp: 334450
Ion Ratio Lower Upper
59 100
57 10.4 8.1 12.1



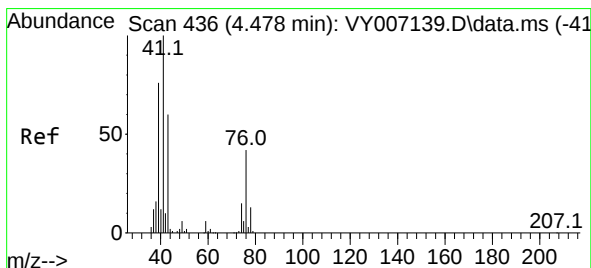
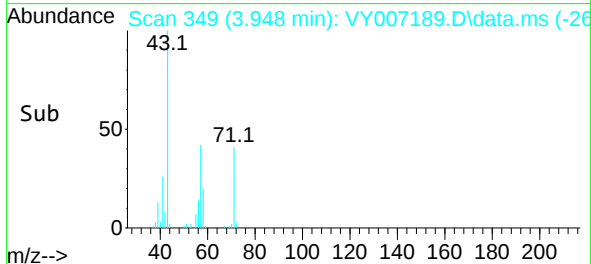
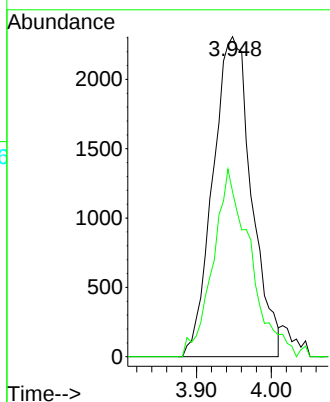


#13
Acrolein
Concen: 294.852 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.214 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

Instrument :
MSVOA_Y
ClientSampleId :
A3-5-8.5

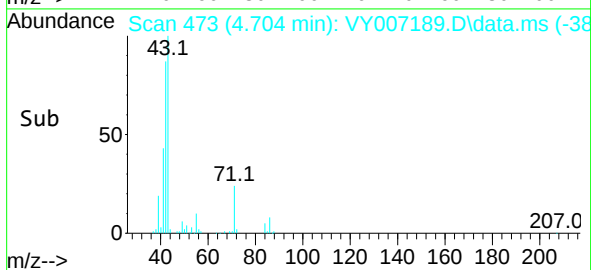
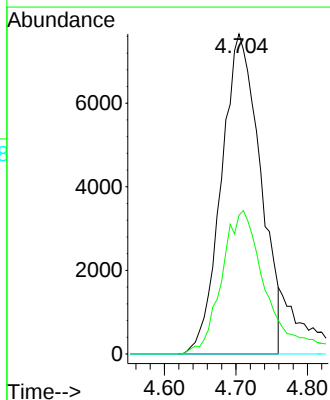
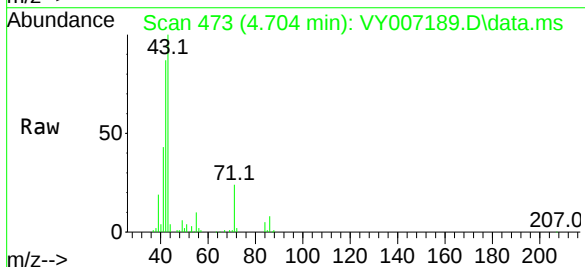


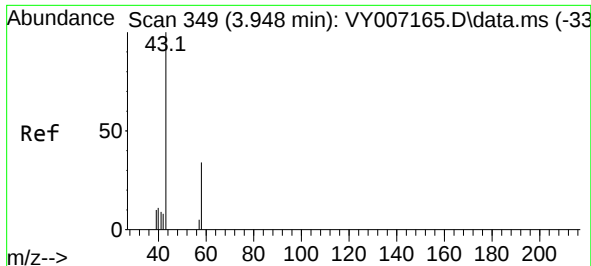
Tgt Ion: 56 Resp: 8306
Ion Ratio Lower Upper
56 100
55 54.9 55.7 83.5#



#14
Allyl chloride
Concen: 14.074 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.226 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

Tgt Ion: 41 Resp: 28902
Ion Ratio Lower Upper
41 100
39 45.4 56.1 84.1#
76 0.0 31.4 47.2#





#16

Acetone

Concen: 144.215 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY007189.D

Acq: 17 Jan 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

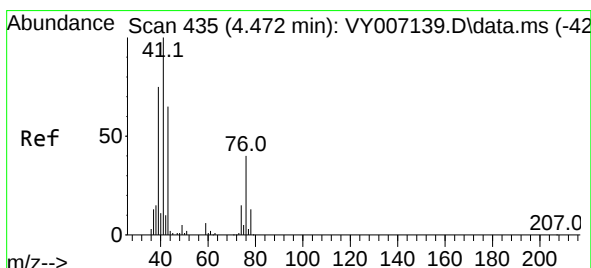
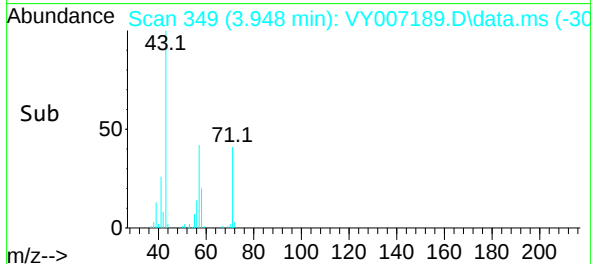
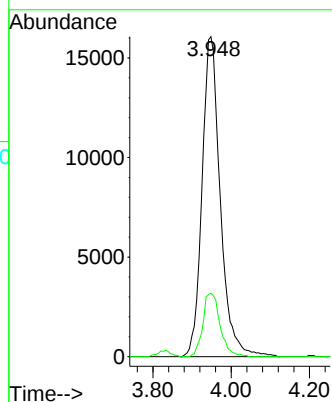
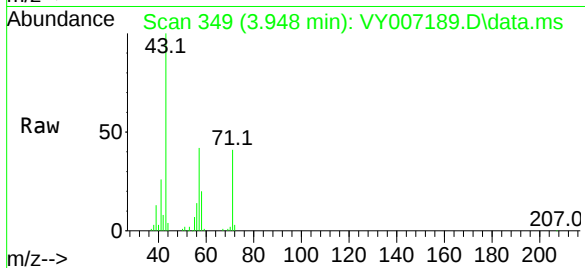
A3-5-8.5

Tgt Ion: 43 Resp: 51980

Ion Ratio Lower Upper

43 100

58 19.9 23.8 35.6#



#18

Methyl Acetate

Concen: 51.254 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.232 min

Lab File: VY007189.D

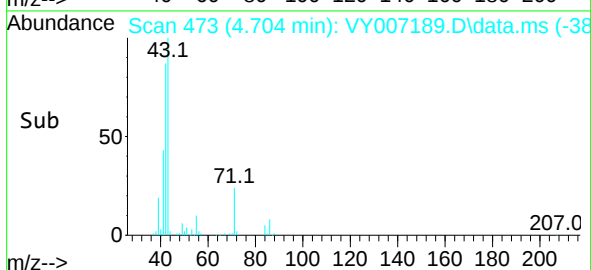
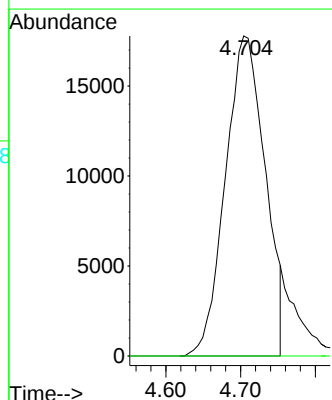
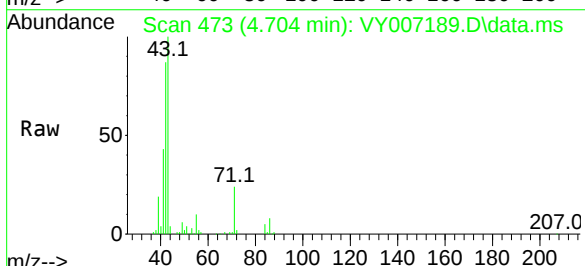
Acq: 17 Jan 2022 16:01

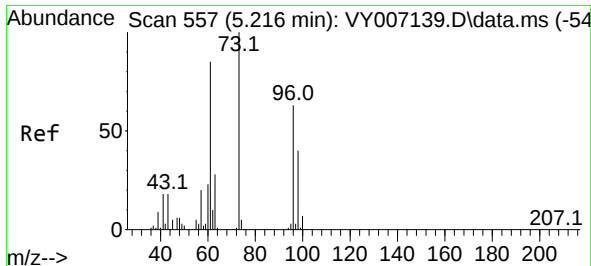
Tgt Ion: 43 Resp: 65733

Ion Ratio Lower Upper

43 100

74 0.0 20.9 31.3#





#19

Methyl tert-butyl Ether

Concen: 9.101 ug/l

RT: 5.222 min Scan# 5

Delta R.T. 0.006 min

Lab File: VY007189.D

Acq: 17 Jan 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

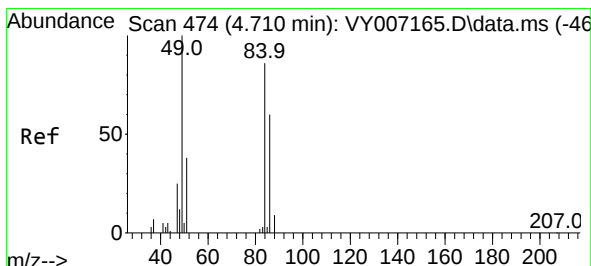
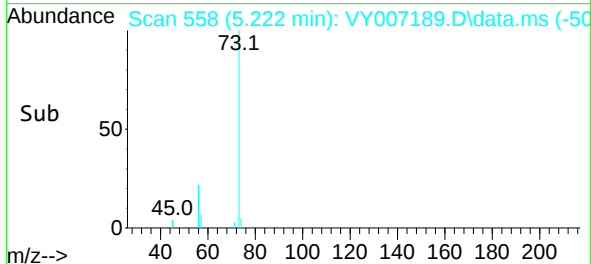
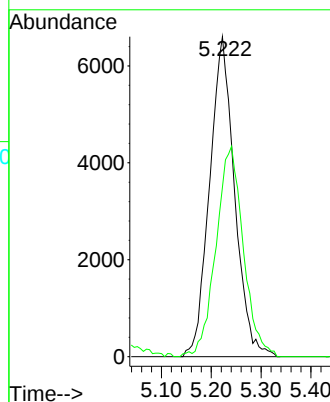
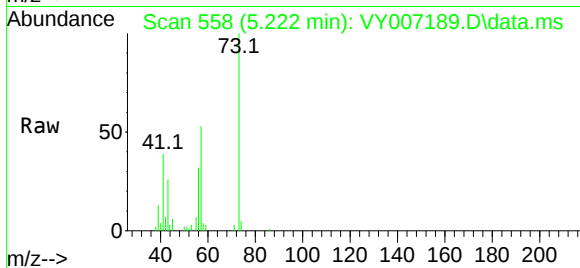
A3-5-8.5

Tgt Ion: 73 Resp: 22949

Ion Ratio Lower Upper

73 100

57 53.0 17.4 26.2#



#20

Methylene Chloride

Concen: 2.065 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY007189.D

Acq: 17 Jan 2022 16:01

Tgt Ion: 84 Resp: 3077

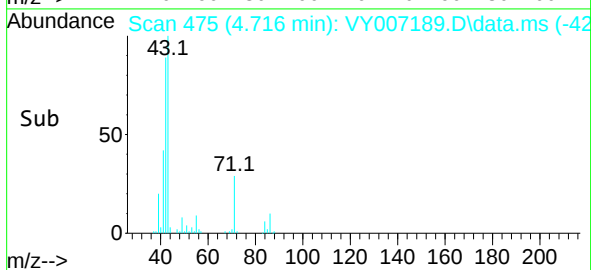
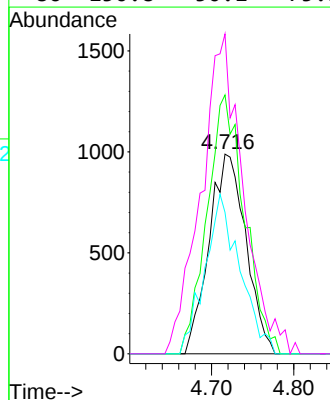
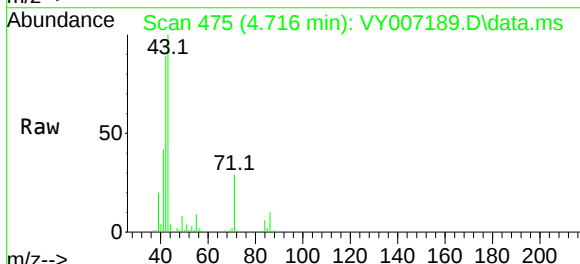
Ion Ratio Lower Upper

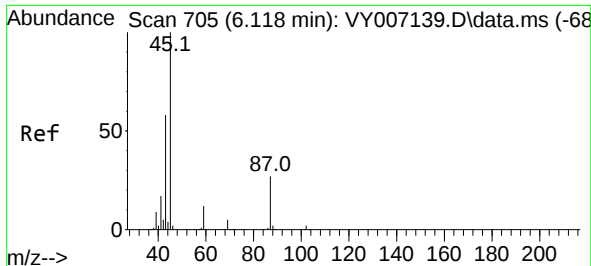
84 100

49 129.6 92.6 139.0

51 70.9 28.6 42.8#

86 150.8 50.1 75.1#

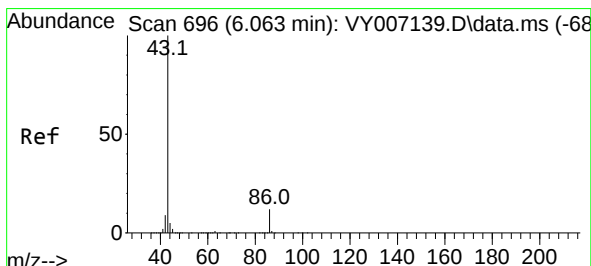
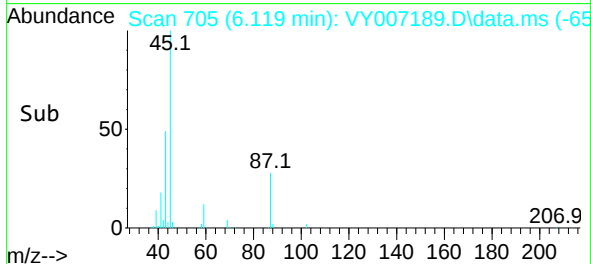
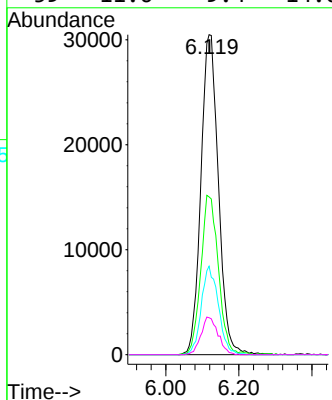
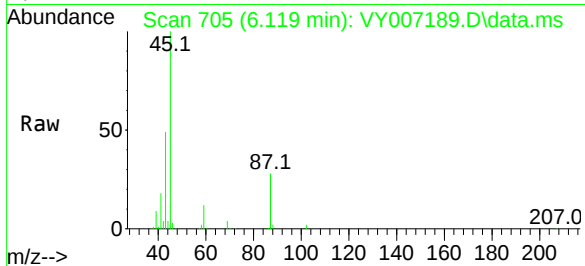




#22
Diisopropyl ether
Concen: 24.387 ug/l
RT: 6.119 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

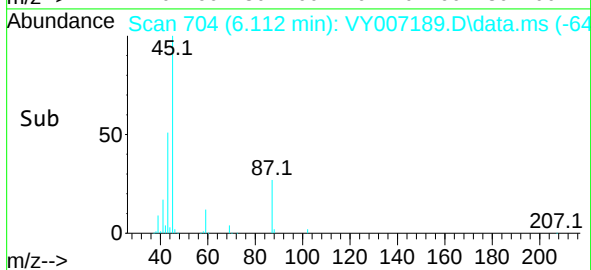
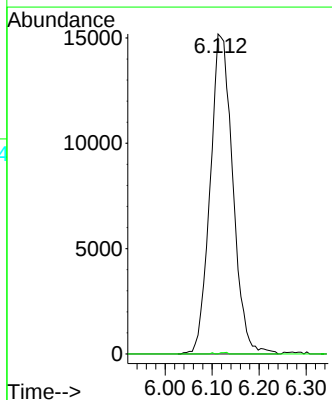
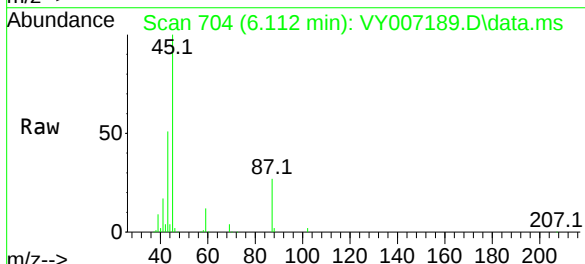
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ClientSampleId :
A3-5-8.5

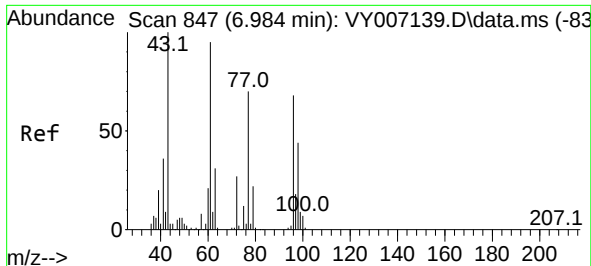
Tgt Ion:	45	Resp:	101459
Ion	Ratio	Lower	Upper
45	100		
43	49.3	45.6	68.4
87	27.6	22.2	33.2
59	11.6	9.4	14.0



#23
Vinyl Acetate
Concen: 20.738 ug/l
RT: 6.112 min Scan# 704
Delta R.T. 0.049 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

Tgt Ion:	43	Resp:	50741
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.0	13.6#

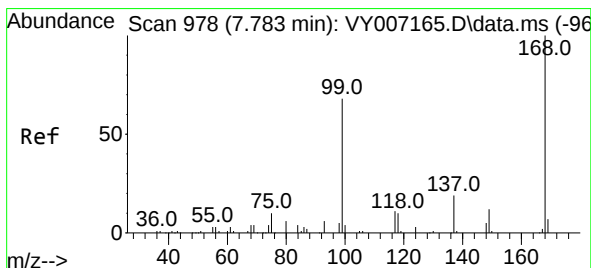
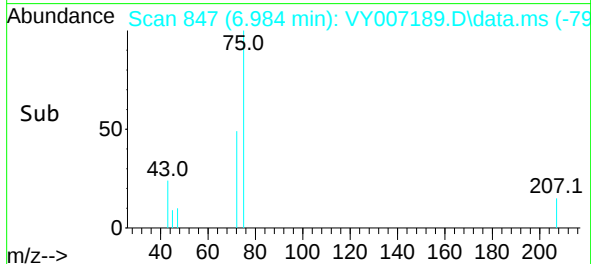
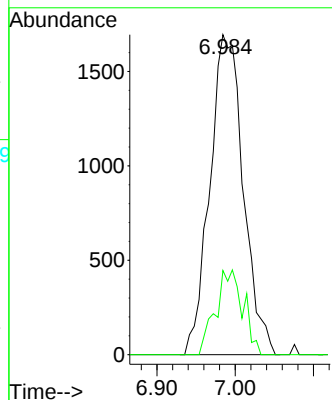
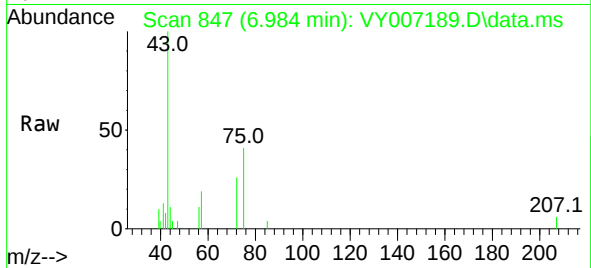




#25
2-Butanone
Concen: 10.783 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

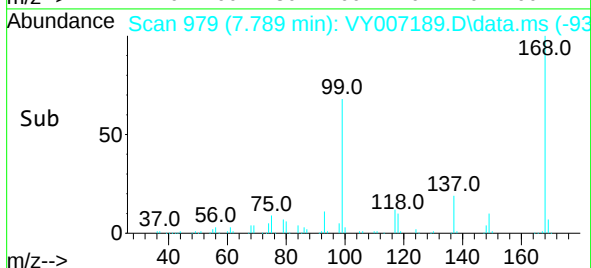
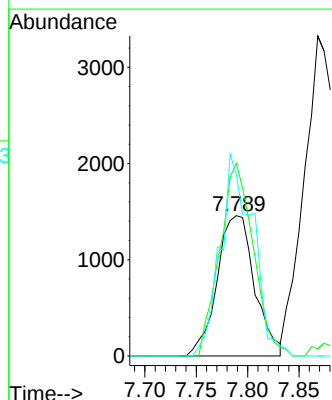
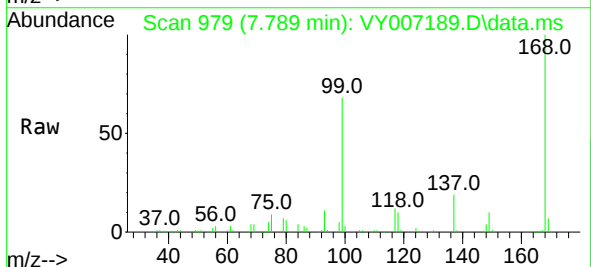
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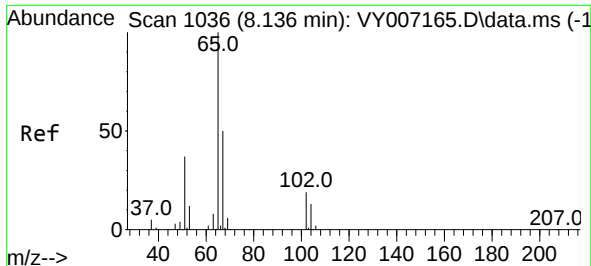
Tgt Ion: 43 Resp: 5025
Ion Ratio Lower Upper
43 100
72 26.3 21.9 32.9



#31
Cyclohexane
Concen: 1.576 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

Tgt Ion: 56 Resp: 3701
Ion Ratio Lower Upper
56 100
69 137.2 27.2 40.8#
84 129.3 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 56.457 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY007189.D

Acq: 17 Jan 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

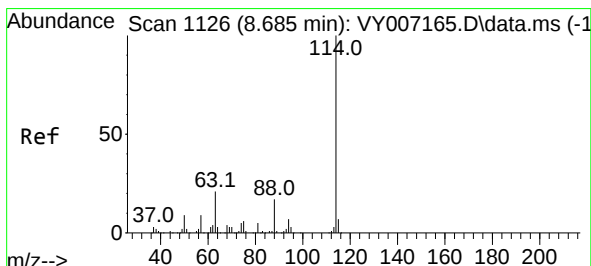
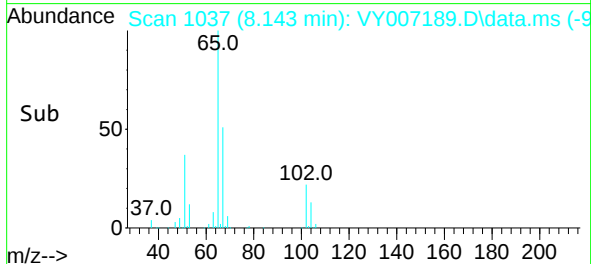
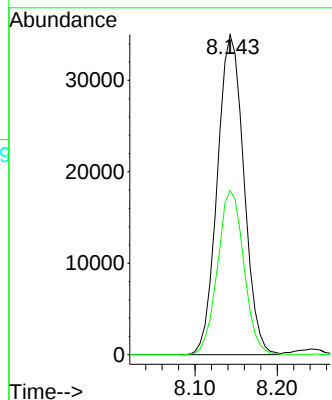
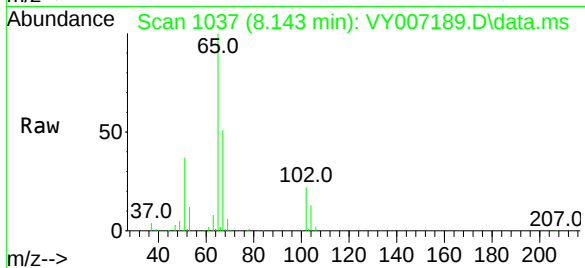
A3-5-8.5

Tgt Ion: 65 Resp: 78409

Ion Ratio Lower Upper

65 100

67 50.8 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: VY007189.D

Acq: 17 Jan 2022 16:01

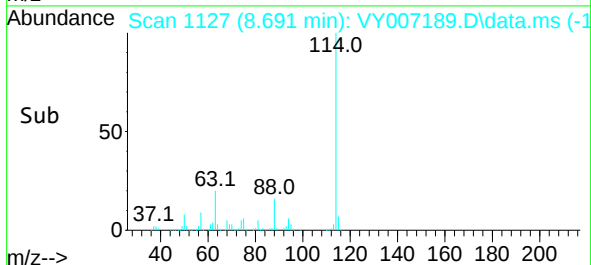
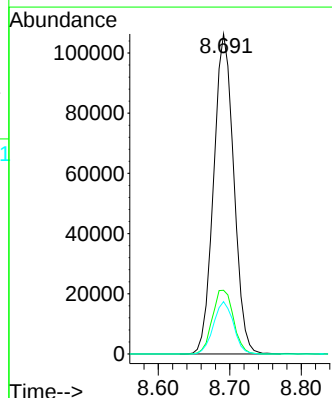
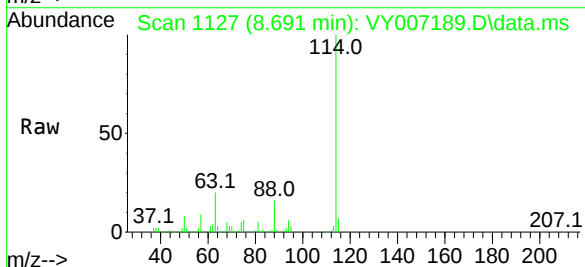
Tgt Ion: 114 Resp: 208209

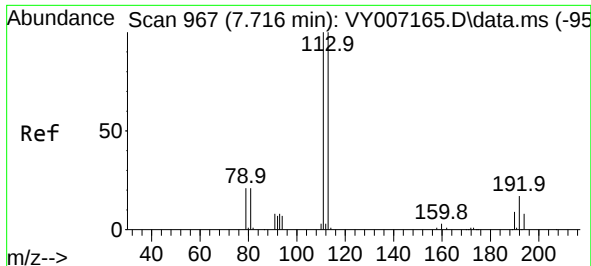
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

88 16.3 0.0 31.0

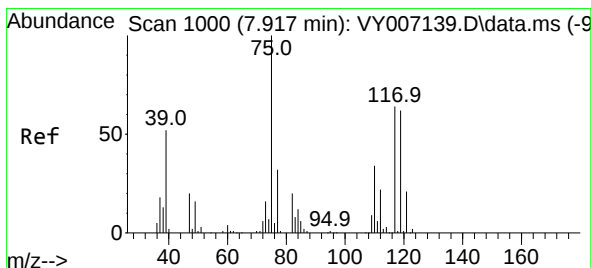
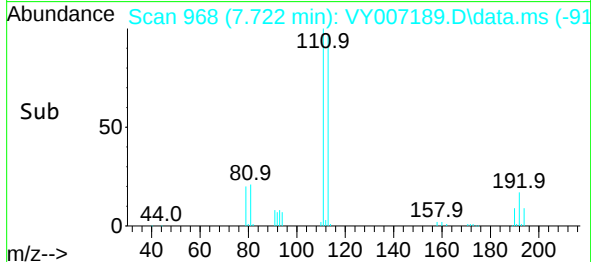
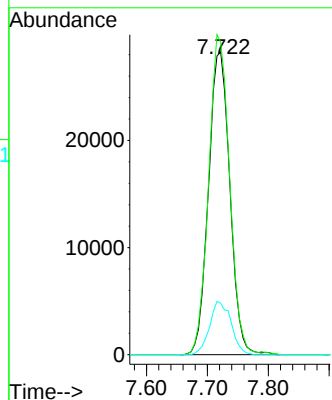
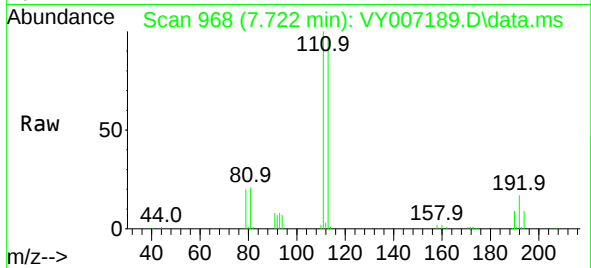




#35
Dibromofluoromethane
Concen: 49.025 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

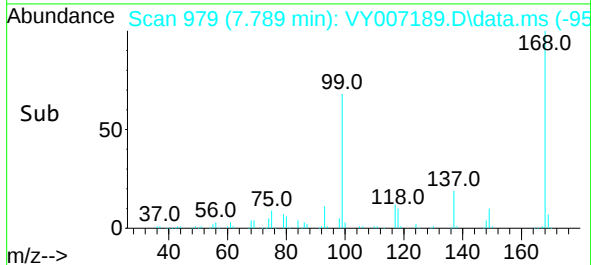
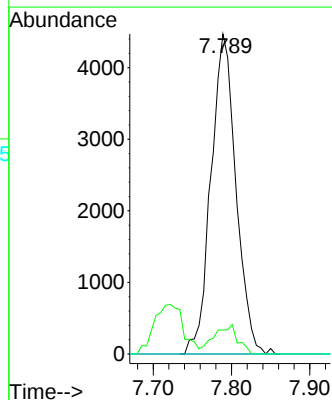
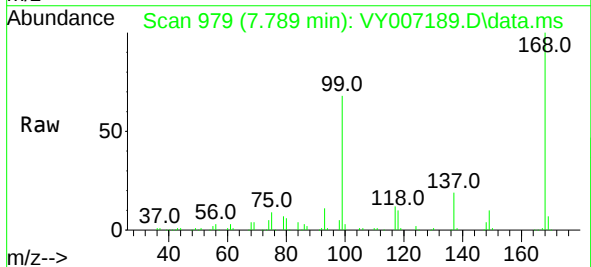
Instrument :
MSVOA_Y
ClientSampleId :
A3-5-8.5

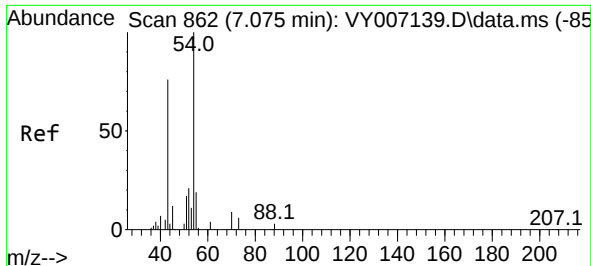
Tgt Ion:113 Resp: 69022
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.4
192 17.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.412 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

Tgt Ion: 75 Resp: 9921
Ion Ratio Lower Upper
75 100
110 8.7 17.3 51.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 4.355 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.091 min

Lab File: VY007189.D

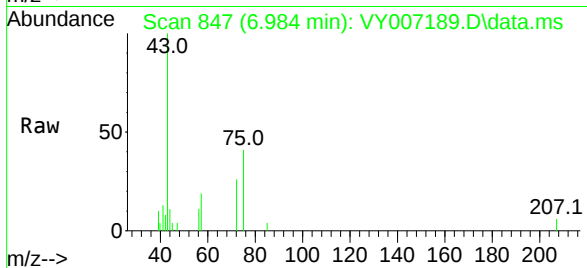
Acq: 17 Jan 2022 16:01

Instrument :

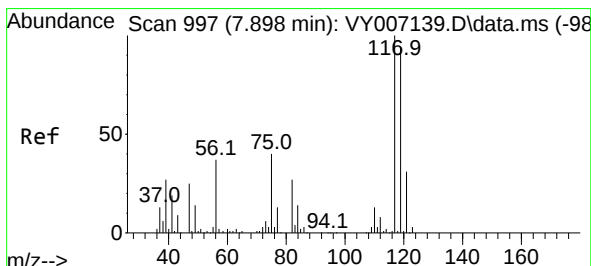
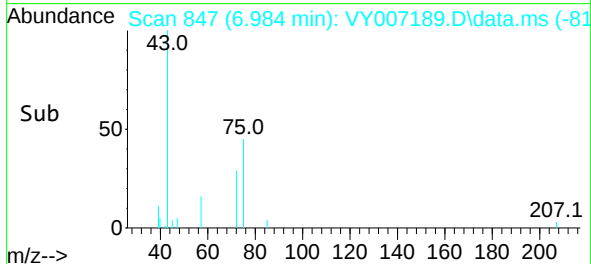
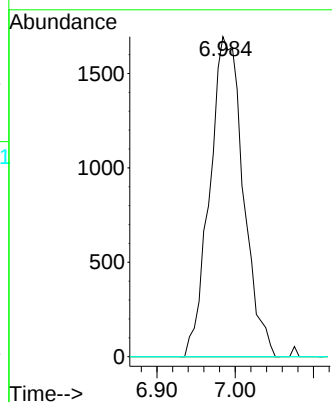
MSVOA_Y

ClientSampleId :

A3-5-8.5



Tgt Ion:	43	Resp:	5025
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.8#
70	0.0	9.0	13.4#



#38

Carbon Tetrachloride

Concen: 5.221 ug/l

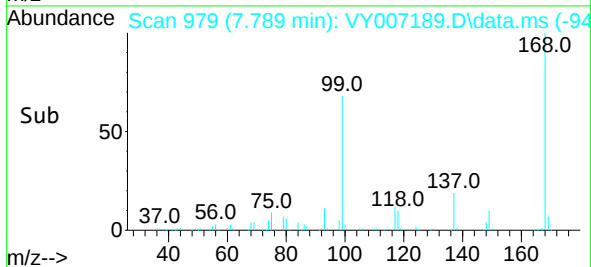
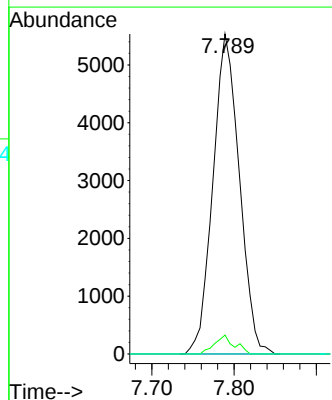
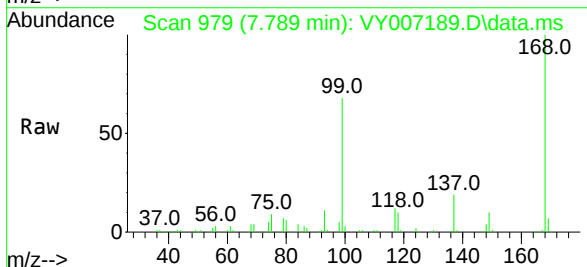
RT: 7.789 min Scan# 979

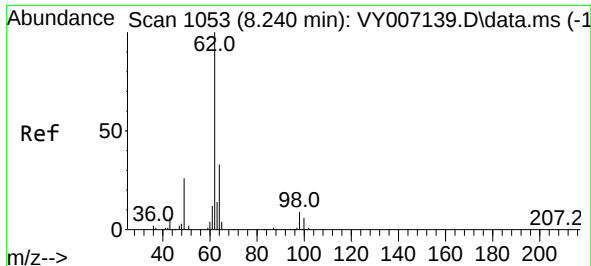
Delta R.T. -0.109 min

Lab File: VY007189.D

Acq: 17 Jan 2022 16:01

Tgt Ion:	117	Resp:	12349
Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.2	115.8#
121	0.0	24.2	36.2#





#42

1,2-Dichloroethane

Concen: 15.235 ug/l

RT: 8.240 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VY007189.D

Acq: 17 Jan 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

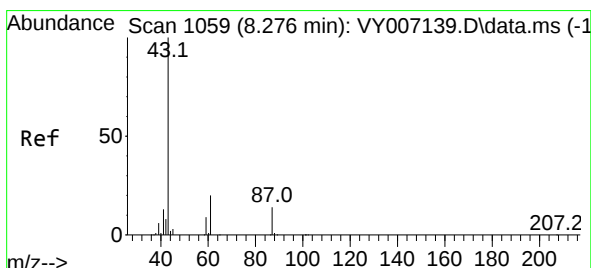
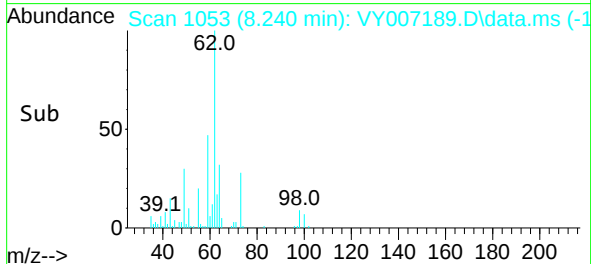
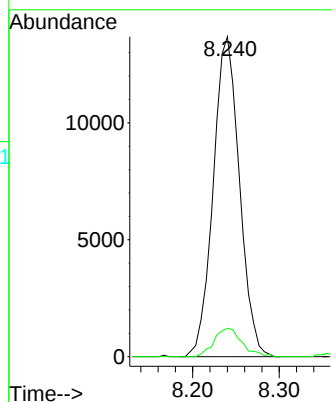
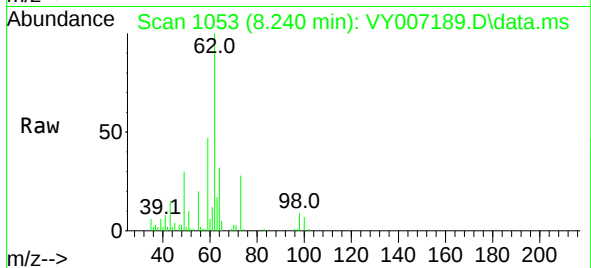
A3-5-8.5

Tgt Ion: 62 Resp: 28776

Ion Ratio Lower Upper

62 100

98 9.4 0.0 19.2



#43

Isopropyl Acetate

Concen: 2.311 ug/l

RT: 8.252 min Scan# 1055

Delta R.T. -0.024 min

Lab File: VY007189.D

Acq: 17 Jan 2022 16:01

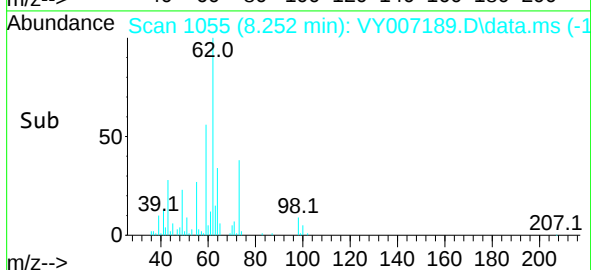
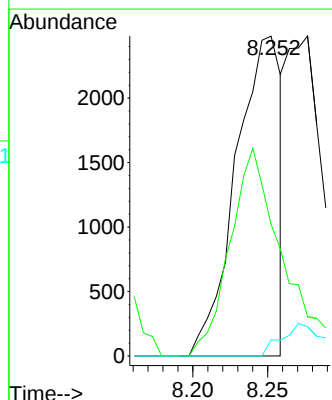
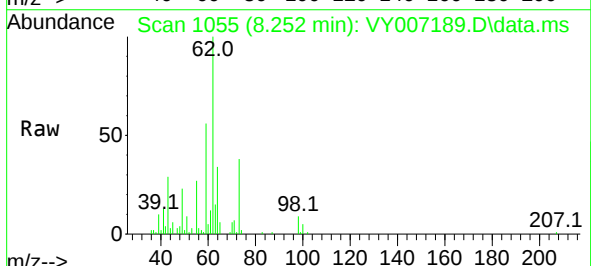
Tgt Ion: 43 Resp: 5188

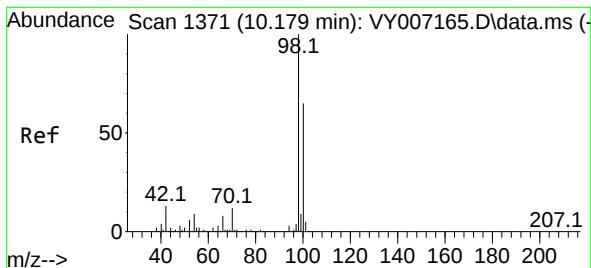
Ion Ratio Lower Upper

43 100

61 75.5 23.8 35.8#

87 0.0 11.6 17.4#

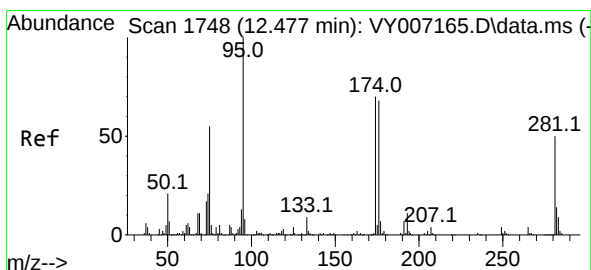
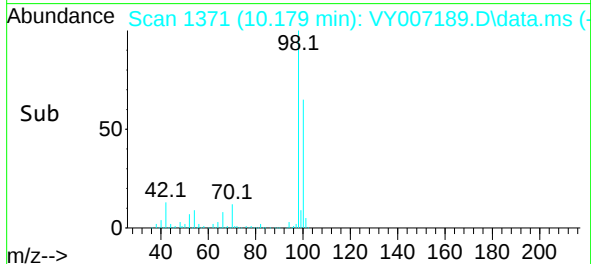
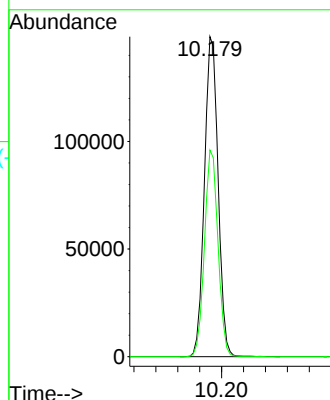
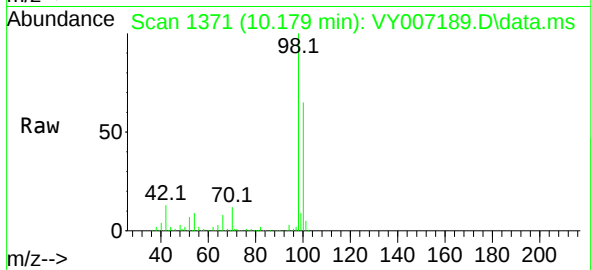




#50
Toluene-d8
Concen: 49.928 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

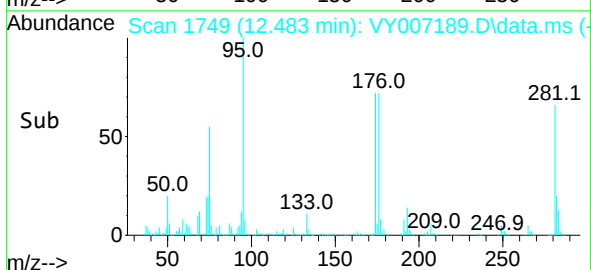
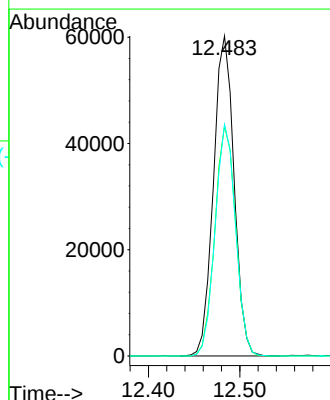
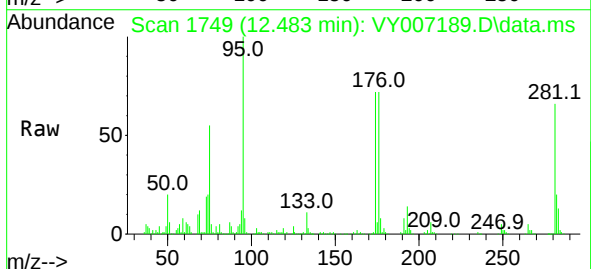
Instrument :
MSVOA_Y
ClientSampleId :
A3-5-8.5

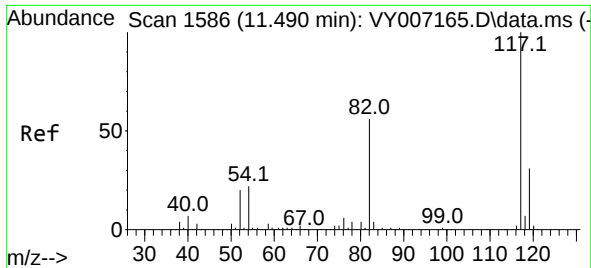
Tgt Ion: 98 Resp: 256846
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 51.533 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

Tgt Ion: 95 Resp: 94300
Ion Ratio Lower Upper
95 100
174 72.5 0.0 148.4
176 71.8 0.0 146.6

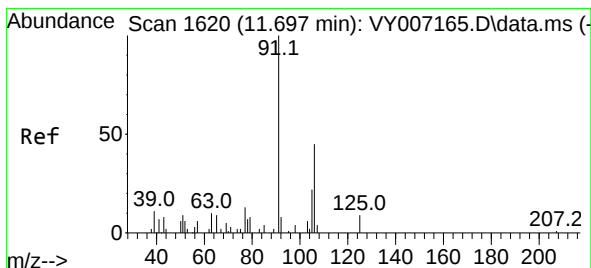
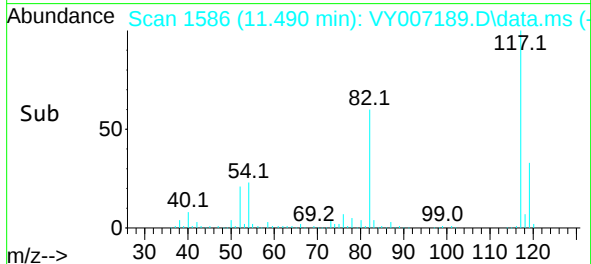
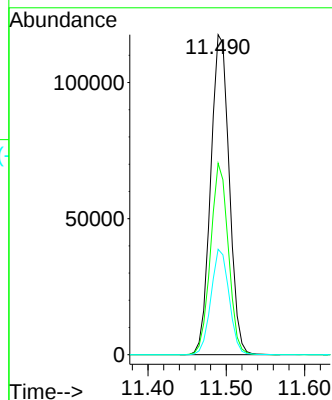
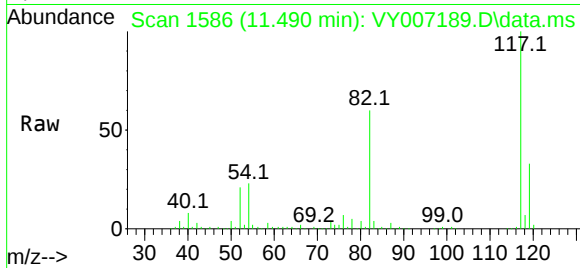




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

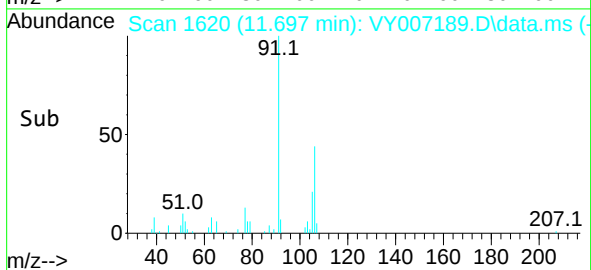
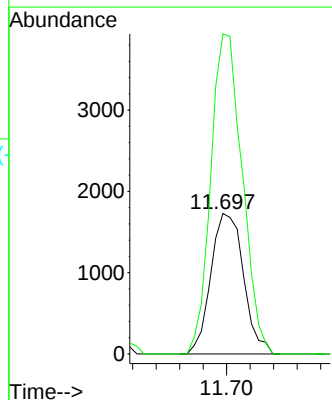
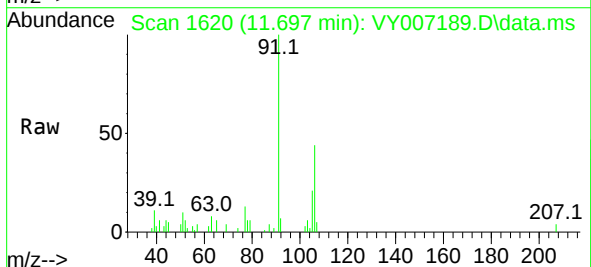
Instrument :
MSVOA_Y
ClientSampleId :
A3-5-8.5

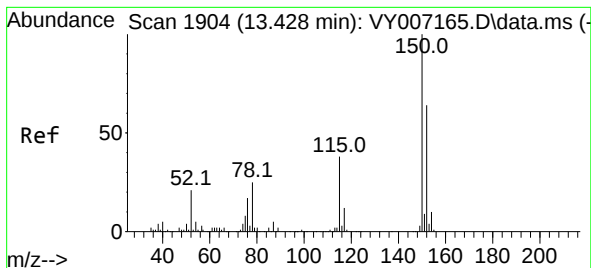
Tgt Ion:117 Resp: 193232
Ion Ratio Lower Upper
117 100
82 59.8 45.4 68.0
119 33.0 26.4 39.6



#68
m/p-Xylenes
Concen: 1.129 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

Tgt Ion:106 Resp: 3331
Ion Ratio Lower Upper
106 100
91 219.3 167.1 250.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007189.D

Acq: 17 Jan 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

A3-5-8.5

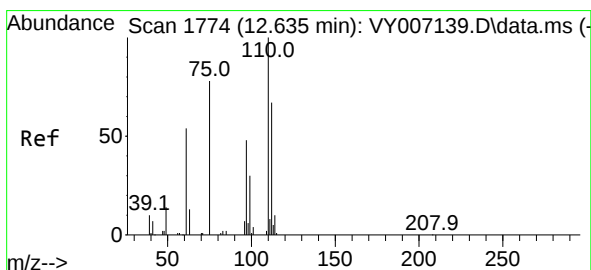
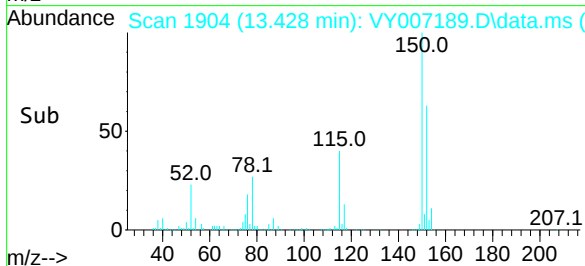
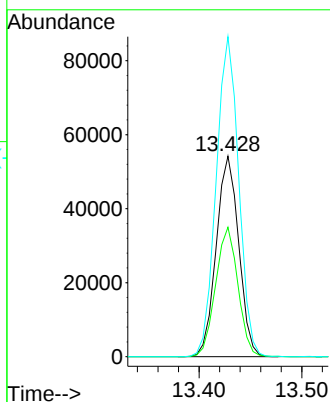
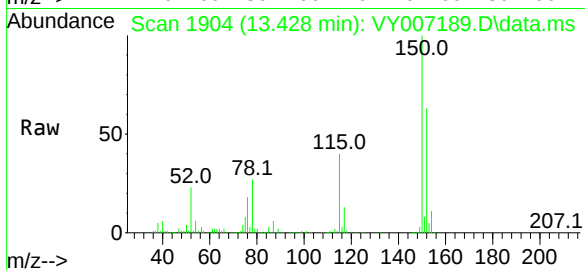
Tgt Ion:152 Resp: 82276

Ion Ratio Lower Upper

152 100

115 64.2 31.4 94.0

150 159.9 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 56.376 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY007189.D

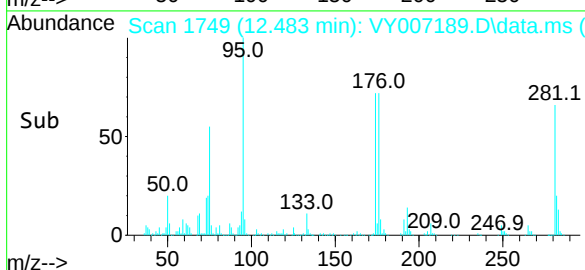
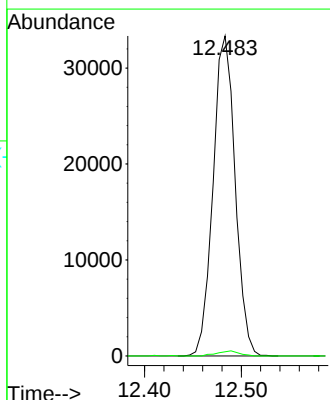
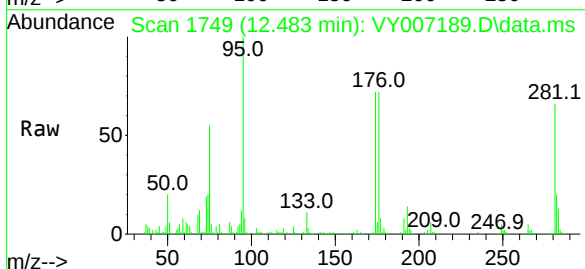
Acq: 17 Jan 2022 16:01

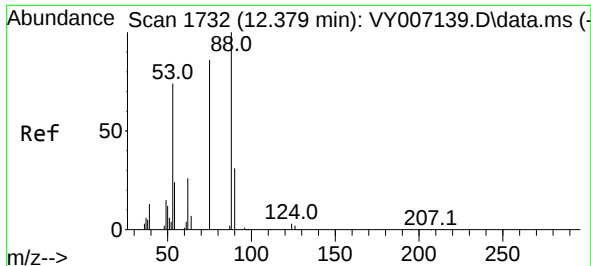
Tgt Ion: 75 Resp: 52890

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

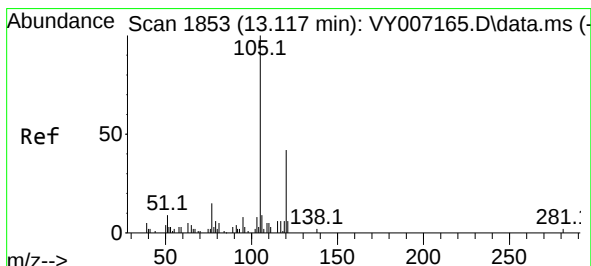
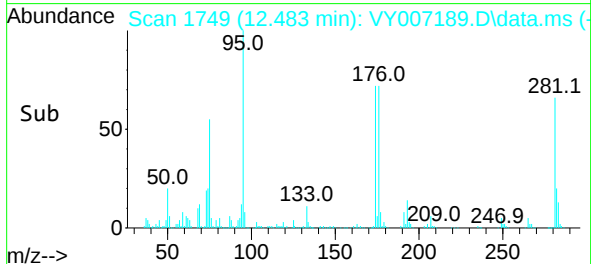
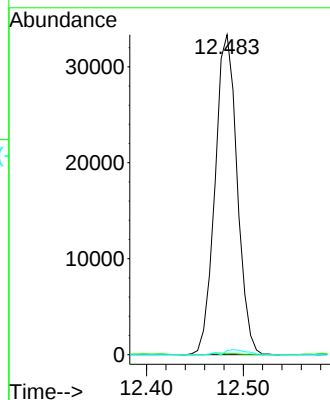
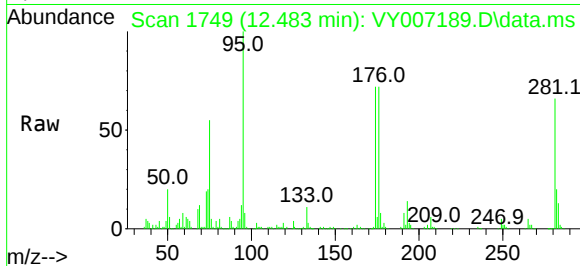




#81
trans-1,4-Dichloro-2-butene
Concen: 103.209 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

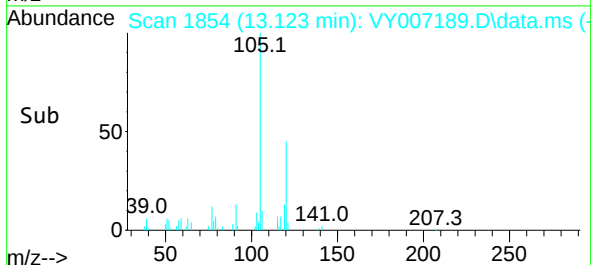
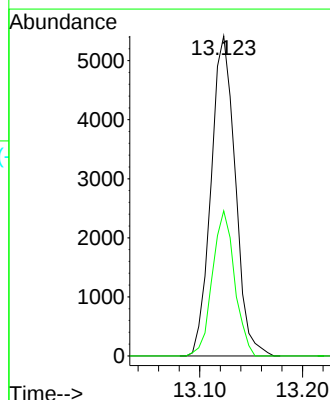
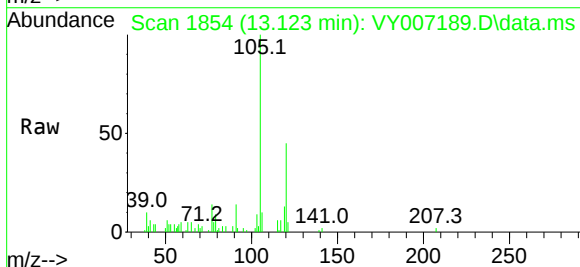
Instrument :
MSVOA_Y
ClientSampleId :
A3-5-8.5

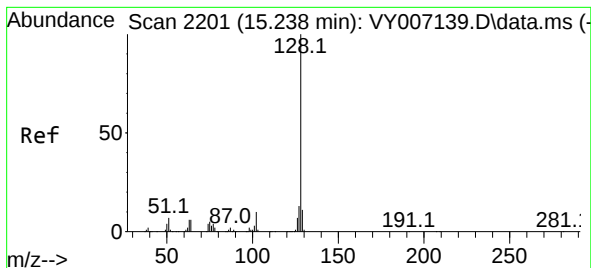
Tgt Ion: 75 Resp: 52890
Ion Ratio Lower Upper
75 100
53 0.6 73.9 110.9#
89 1.6 0.0 0.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.532 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY007189.D
Acq: 17 Jan 2022 16:01

Tgt Ion: 105 Resp: 8860
Ion Ratio Lower Upper
105 100
120 41.4 21.6 64.6





#95

Naphthalene

Concen: 1.626 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY007189.D

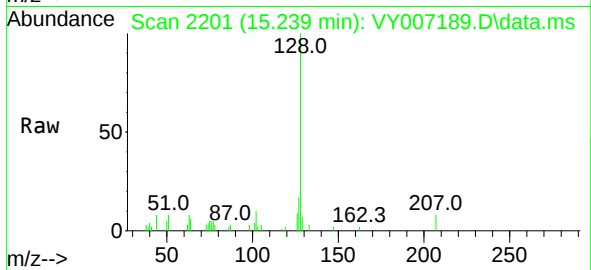
Acq: 17 Jan 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

A3-5-8.5



Tgt Ion:128 Resp: 5655

Ion Ratio Lower Upper

128 100

127 14.5 10.3 15.5

129 11.8 8.9 13.3

