

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011838.D
 Acq On : 14 Dec 2022 12:32
 Operator : KP/MD
 Sample : N6046-03
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-121322

Quant Time: Dec 15 01:18:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

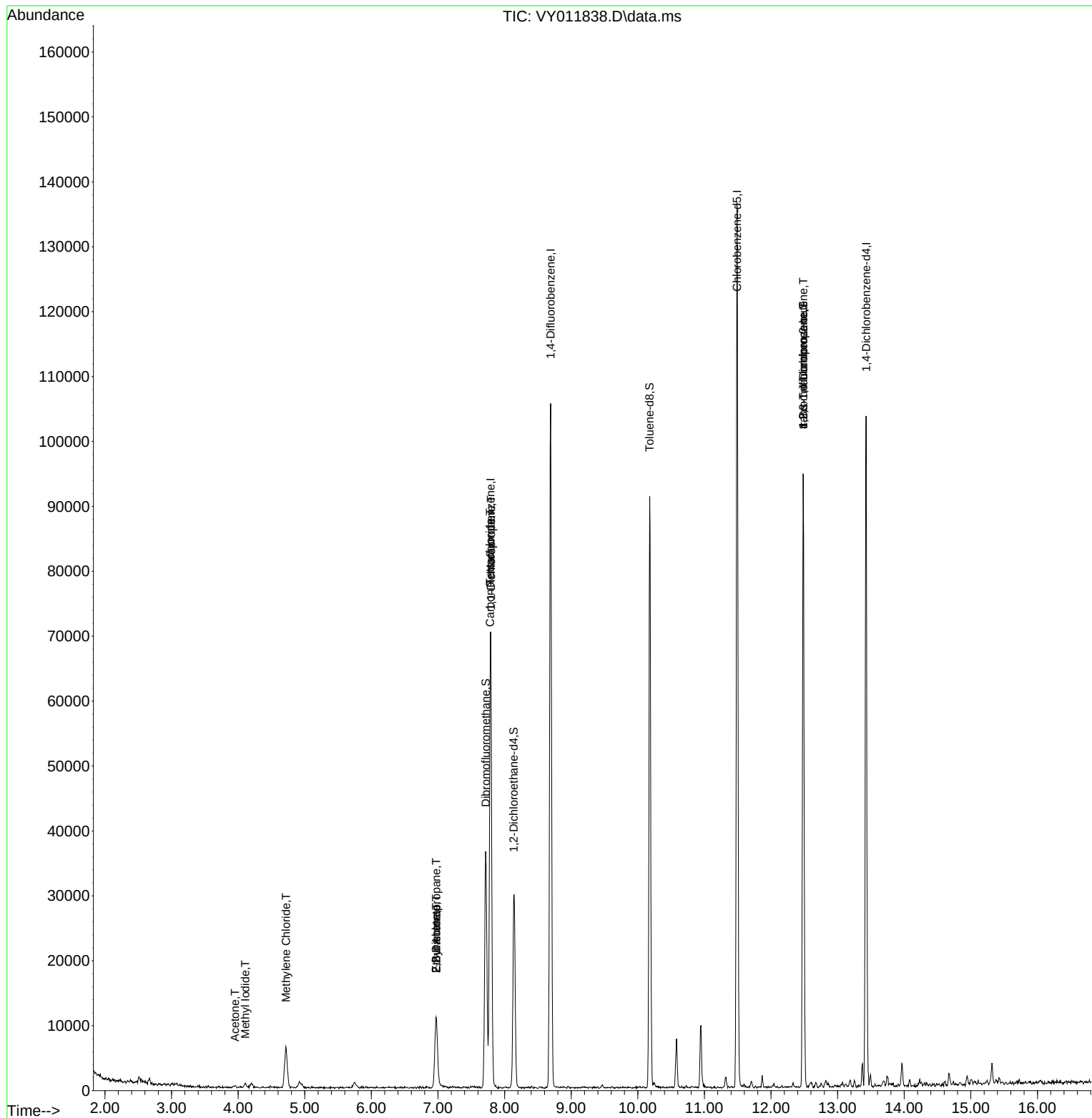
Internal Standards						
1) Pentafluorobenzene	7.789	168	55147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	90307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	76142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	27109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	24423	66.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.960%			
35) Dibromofluoromethane	7.716	113	25454	64.574	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 129.140%			
50) Toluene-d8	10.179	98	60991	45.808	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.620%			
62) 4-Bromofluorobenzene	12.483	95	25538	48.653	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.300%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	161	Below Cal	#	41
5) Bromomethane	2.662	94	277	Below Cal		93
10) Methyl Iodide	4.107	142	989	1.867	ug/l #	84
11) Tert butyl alcohol	4.918	59	575	Below Cal	#	74
16) Acetone	3.954	43	432	2.869	ug/l #	40
18) Methyl Acetate	4.485	43	121	Below Cal	#	50
20) Methylene Chloride	4.716	84	4716	3.312	ug/l #	85
25) 2-Butanone	6.972	43	579	2.989	ug/l #	46
26) 2,2-Dichloropropane	6.972	77	865	1.023	ug/l #	53
31) Cyclohexane	7.789	56	1032	Below Cal	#	1
36) 1,1-Dichloropropene	7.795	75	4278	6.243	ug/l #	48
37) Ethyl Acetate	6.972	43	579	1.445	ug/l #	1
38) Carbon Tetrachloride	7.783	117	5717	7.102	ug/l #	20
76) 1,2,3-Trichloropropane	12.483	75	13286	48.441	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	13286	109.922	ug/l #	13

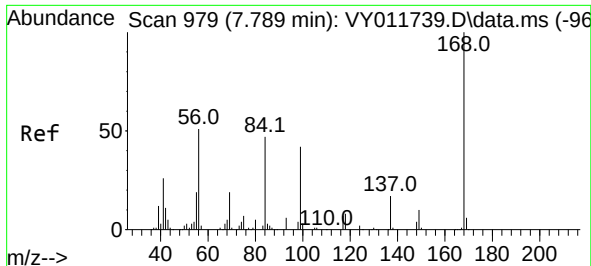
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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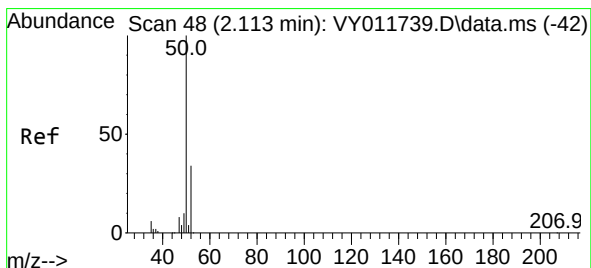
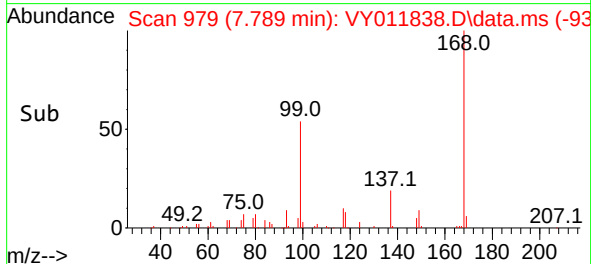
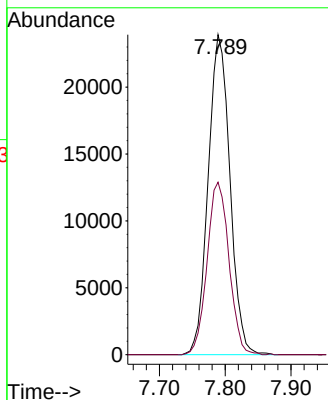
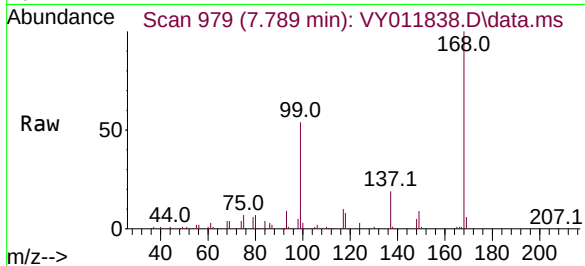




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011838.D
Acq: 14 Dec 2022 12:32

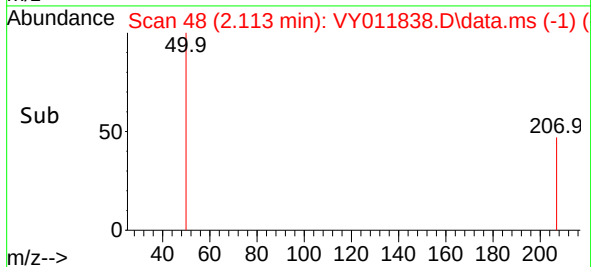
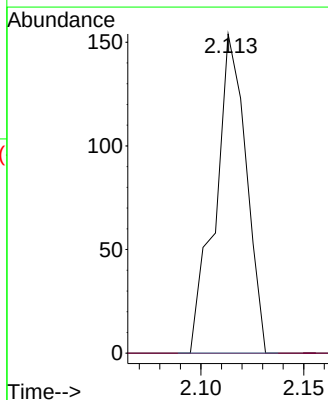
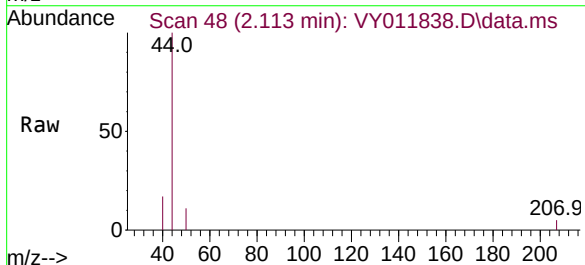
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-121322

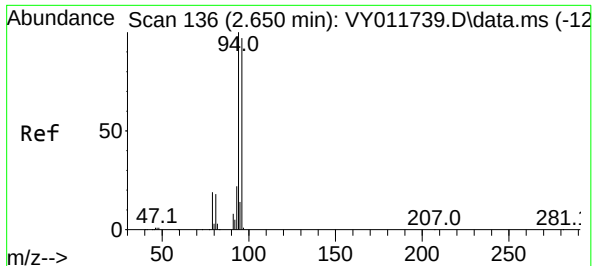
Tgt Ion:168 Resp: 55147
Ion Ratio Lower Upper
168 100
99 53.9 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011838.D
Acq: 14 Dec 2022 12:32

Tgt Ion: 50 Resp: 161
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

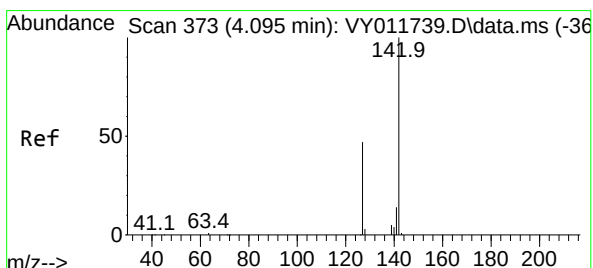
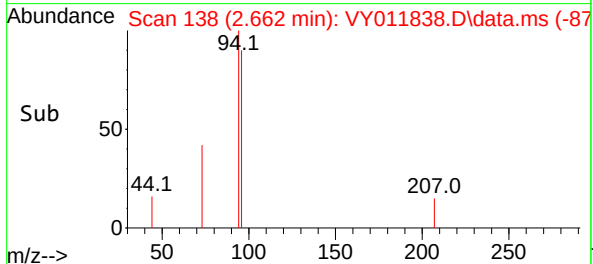
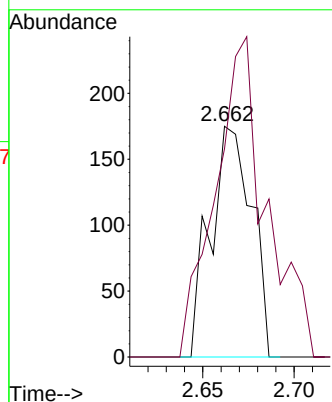
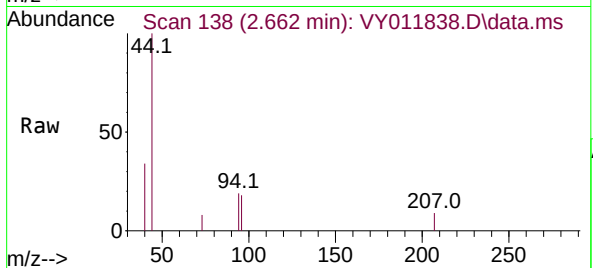




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011838.D
Acq: 14 Dec 2022 12:32

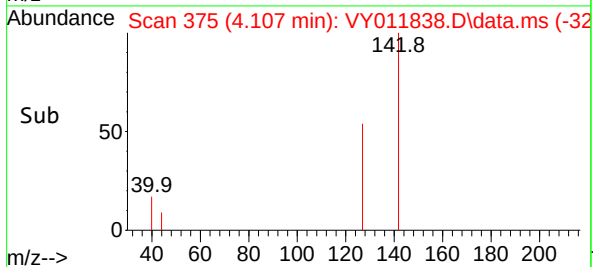
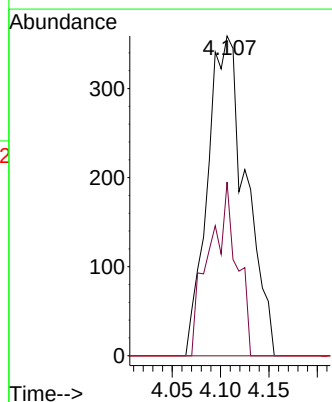
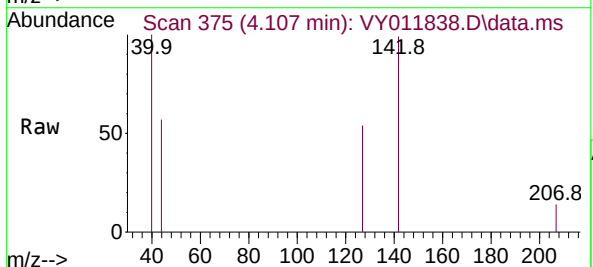
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-121322

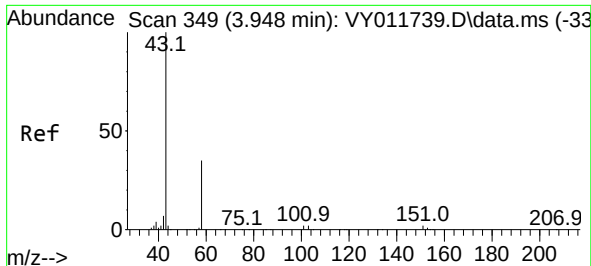
Tgt Ion: 94 Resp: 277
Ion Ratio Lower Upper
94 100
96 90.3 77.4 116.2



#10
Methyl Iodide
Concen: 1.867 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY011838.D
Acq: 14 Dec 2022 12:32

Tgt Ion:142 Resp: 989
Ion Ratio Lower Upper
142 100
127 39.2 37.0 55.4
141 0.0 11.4 17.0#

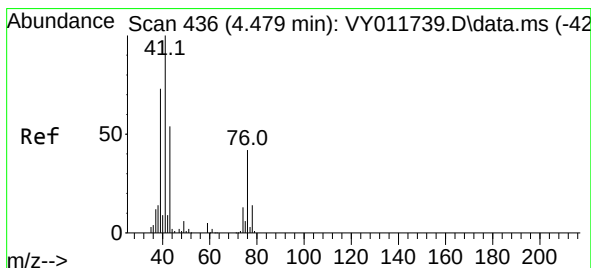
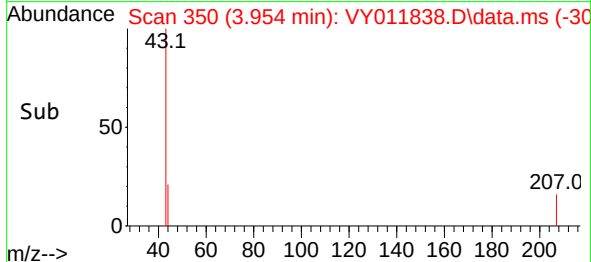
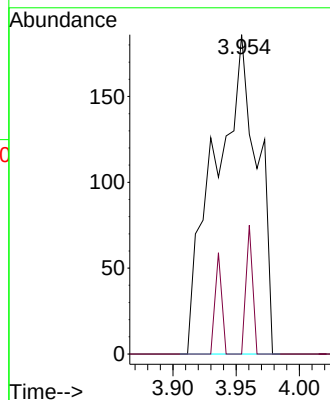
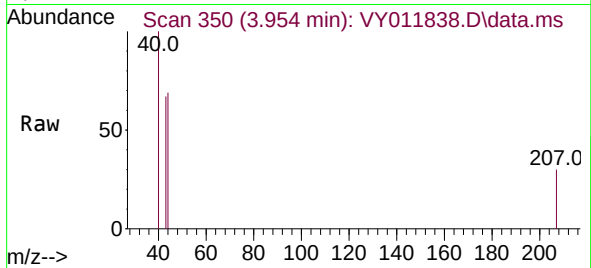




#16
Acetone
Concen: 2.869 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011838.D
Acq: 14 Dec 2022 12:32

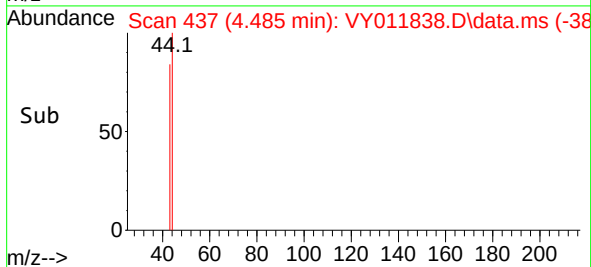
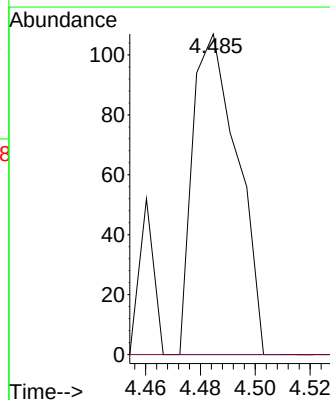
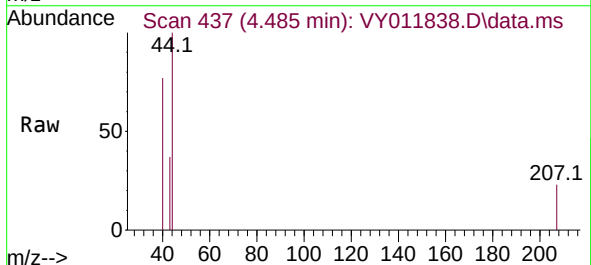
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-121322

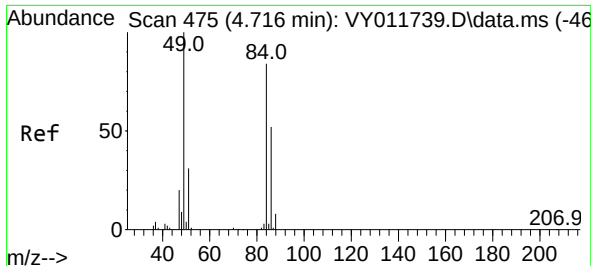
Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY011838.D
Acq: 14 Dec 2022 12:32

Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#





#20

Methylene Chloride

Concen: 3.312 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY011838.D

Acq: 14 Dec 2022 12:32

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-121322

Tgt Ion: 84 Resp: 4716

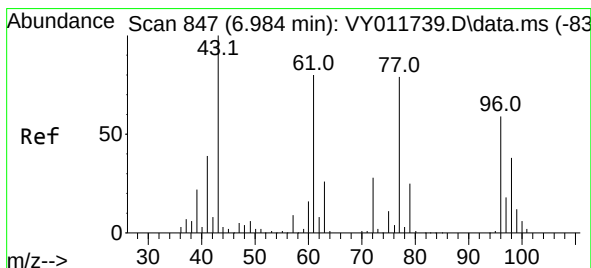
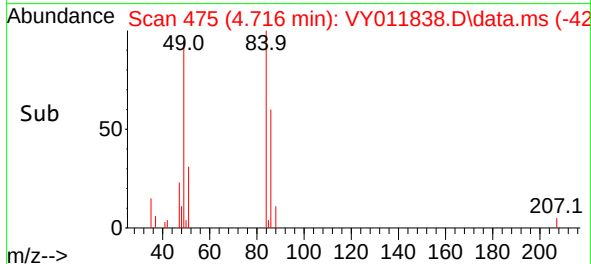
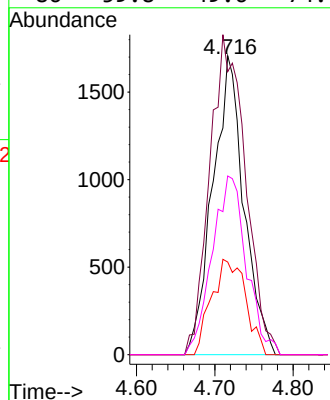
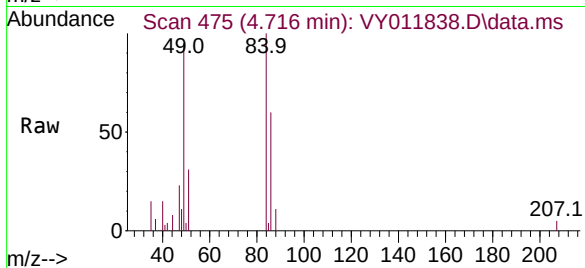
Ion Ratio Lower Upper

84 100

49 94.7 95.4 143.2#

51 31.0 29.9 44.9

86 59.8 49.6 74.4



#25

2-Butanone

Concen: 2.989 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY011838.D

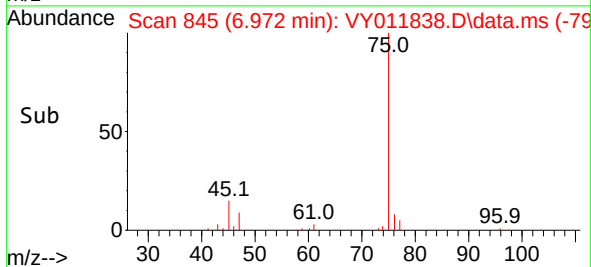
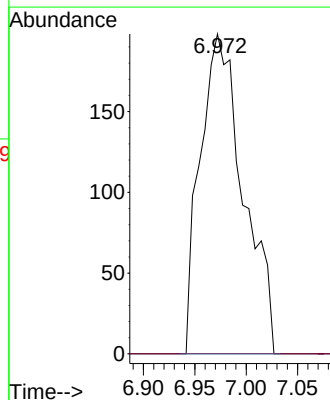
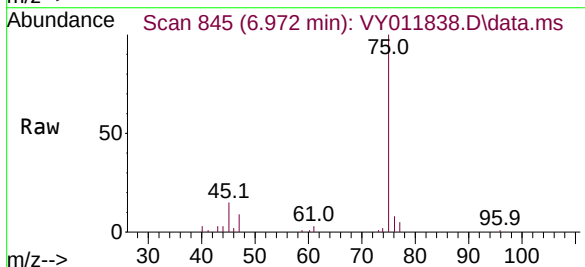
Acq: 14 Dec 2022 12:32

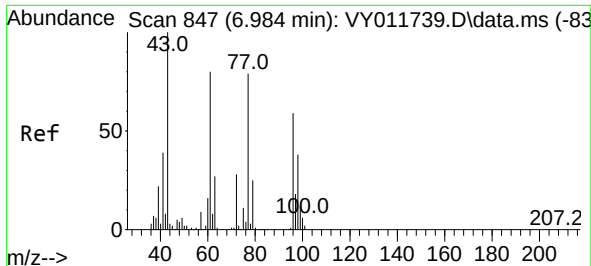
Tgt Ion: 43 Resp: 579

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#





#26

2,2-Dichloropropane

Concen: 1.023 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY011838.D

Acq: 14 Dec 2022 12:32

Instrument :

MSVOA_Y

ClientSampleId :

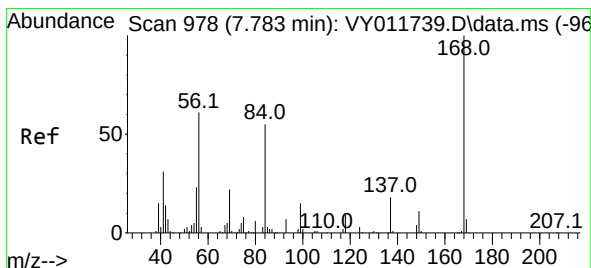
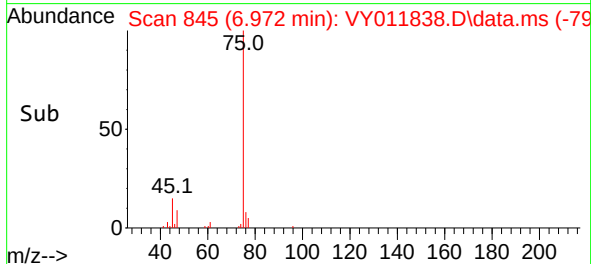
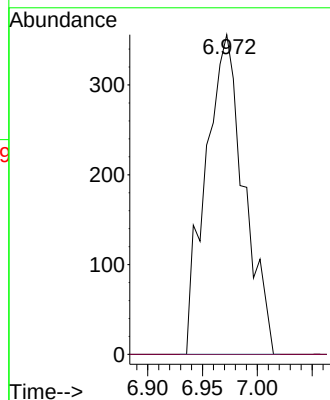
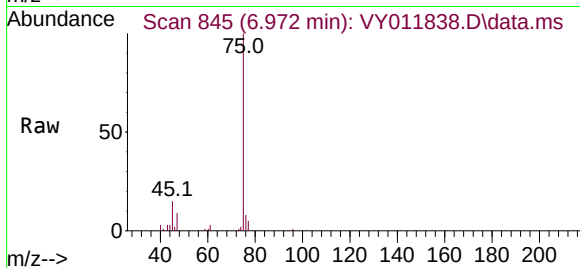
HR-02-121322

Tgt Ion: 77 Resp: 865

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011838.D

Acq: 14 Dec 2022 12:32

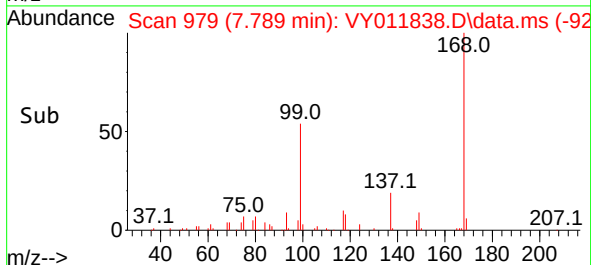
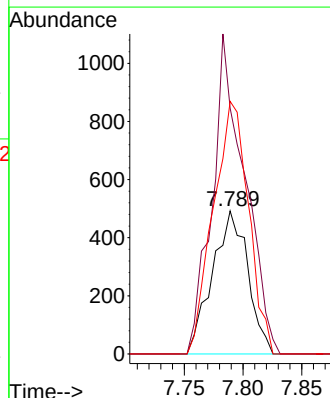
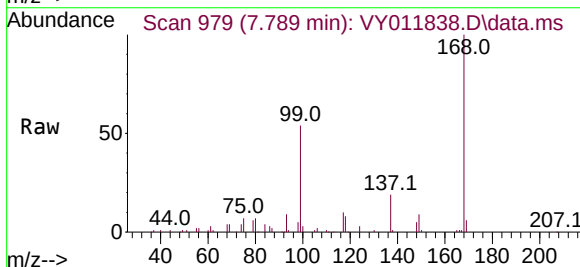
Tgt Ion: 56 Resp: 1032

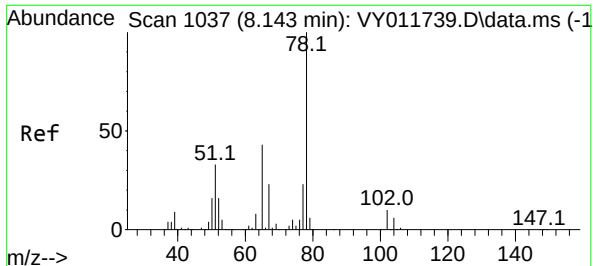
Ion Ratio Lower Upper

56 100

69 172.0 29.2 43.8#

84 176.6 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 66.480 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY011838.D

Acq: 14 Dec 2022 12:32

Instrument :

MSVOA_Y

ClientSampleId :

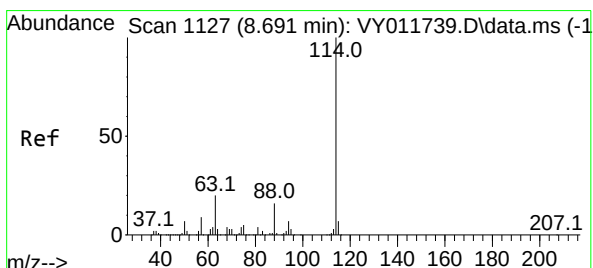
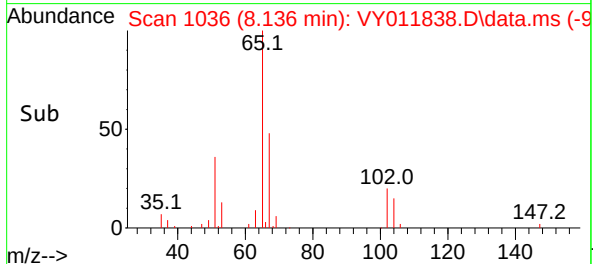
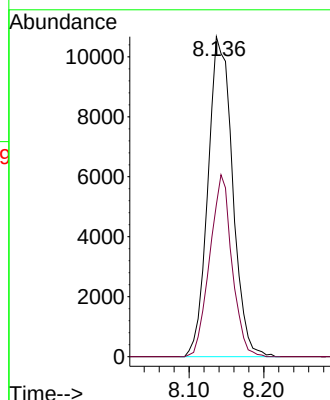
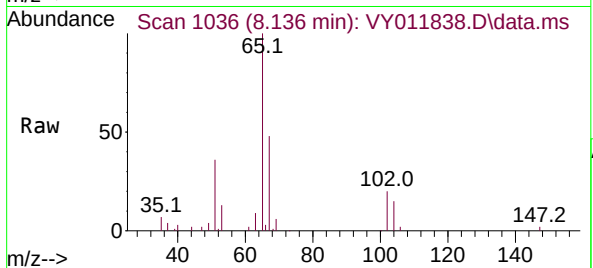
HR-02-121322

Tgt Ion: 65 Resp: 24423

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011838.D

Acq: 14 Dec 2022 12:32

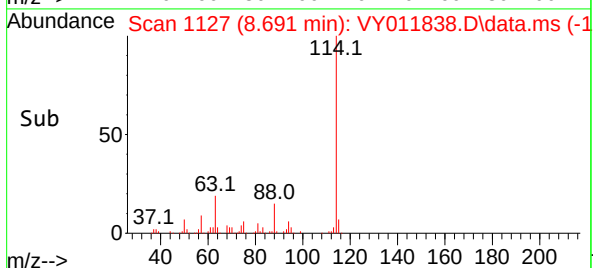
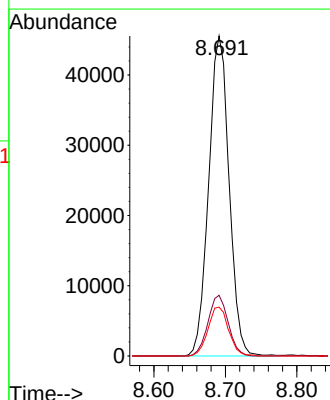
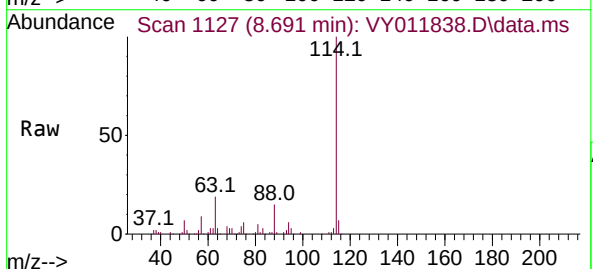
Tgt Ion: 114 Resp: 90307

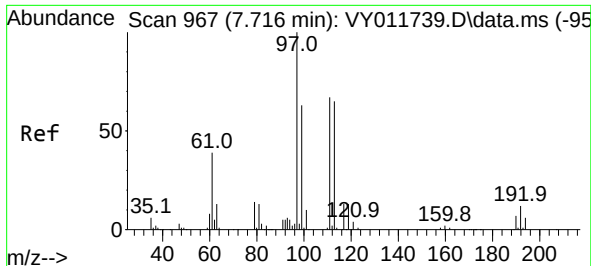
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 15.2 0.0 32.2

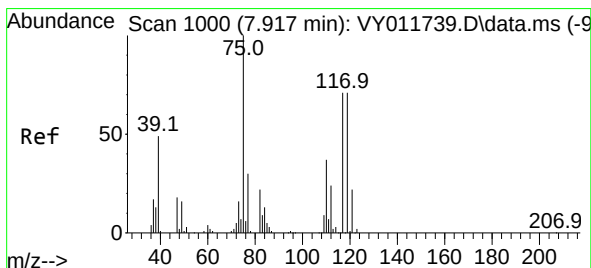
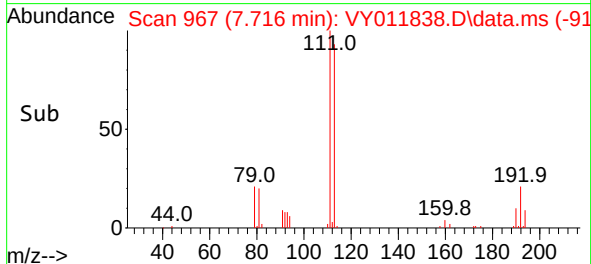
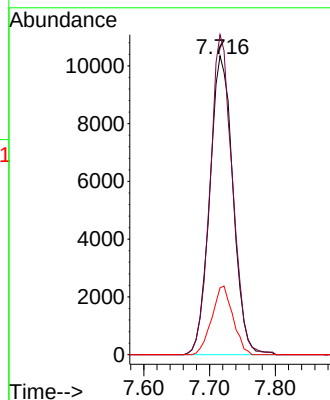
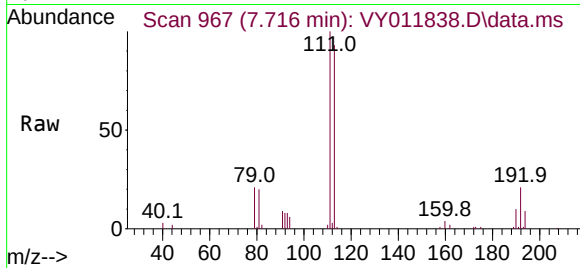




#35
Dibromofluoromethane
Concen: 64.574 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011838.D
Acq: 14 Dec 2022 12:32

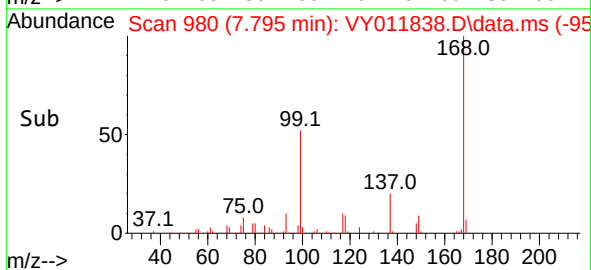
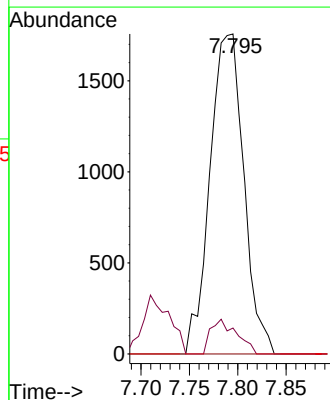
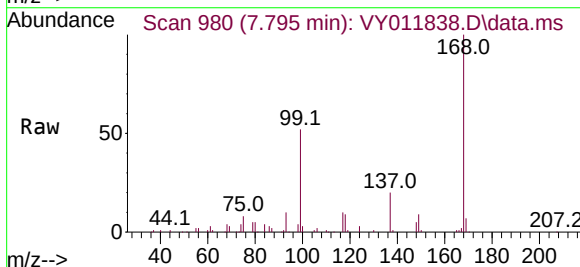
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-121322

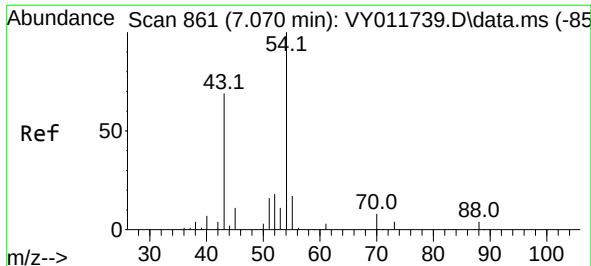
Tgt Ion:	113	Resp:	25454
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.0	124.4
192	20.9	16.0	24.0



#36
1,1-Dichloropropene
Concen: 6.243 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY011838.D
Acq: 14 Dec 2022 12:32

Tgt Ion:	75	Resp:	4278
Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.1#
77	0.0	25.1	37.7#





#37

Ethyl Acetate

Concen: 1.445 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY011838.D

Acq: 14 Dec 2022 12:32

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-121322

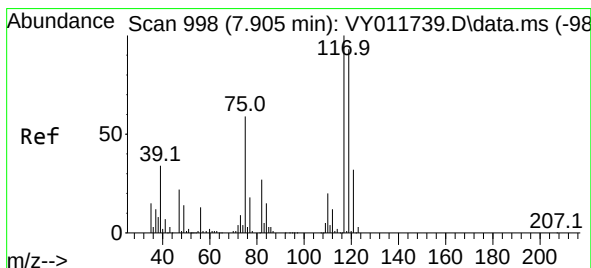
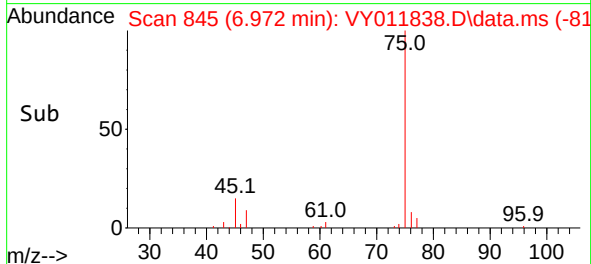
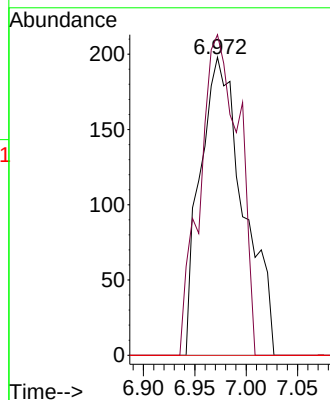
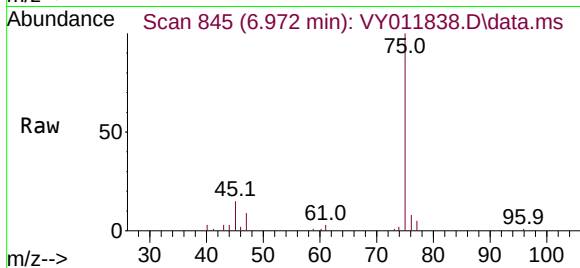
Tgt Ion: 43 Resp: 579

Ion Ratio Lower Upper

43 100

61 97.8 11.3 16.9#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 7.102 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY011838.D

Acq: 14 Dec 2022 12:32

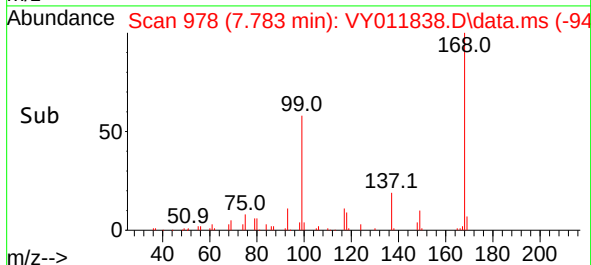
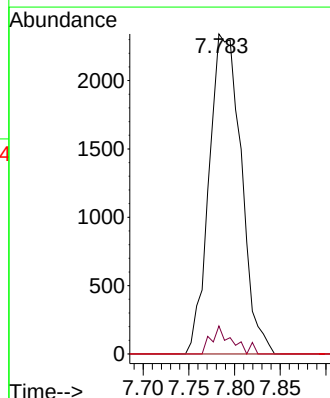
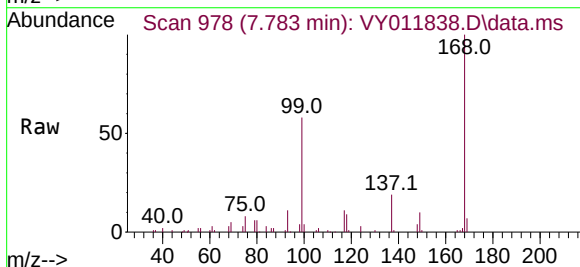
Tgt Ion: 117 Resp: 5717

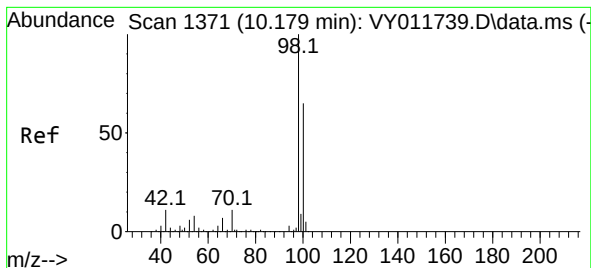
Ion Ratio Lower Upper

117 100

119 8.8 73.8 110.8#

121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 45.808 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY011838.D

Acq: 14 Dec 2022 12:32

Instrument :

MSVOA_Y

ClientSampleId :

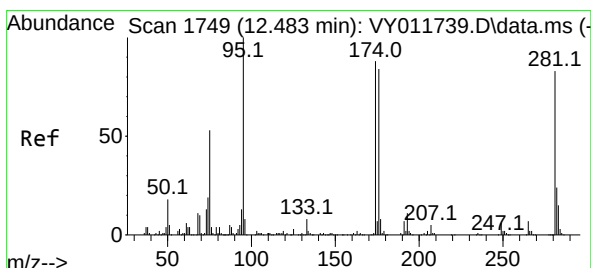
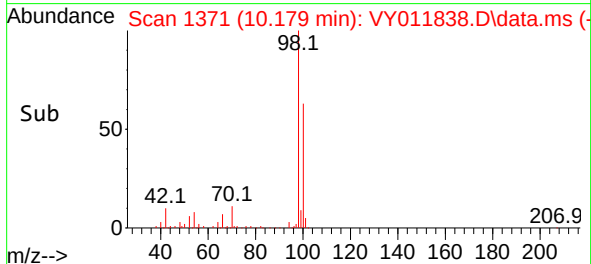
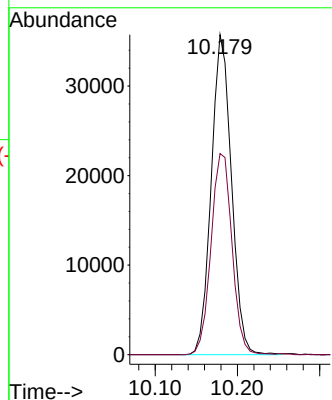
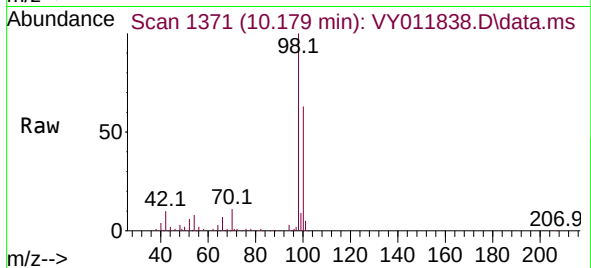
HR-02-121322

Tgt Ion: 98 Resp: 60991

Ion Ratio Lower Upper

98 100

100 65.2 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 48.653 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY011838.D

Acq: 14 Dec 2022 12:32

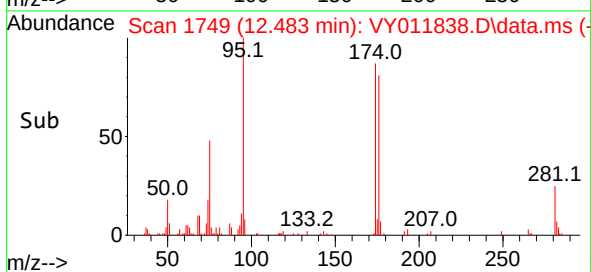
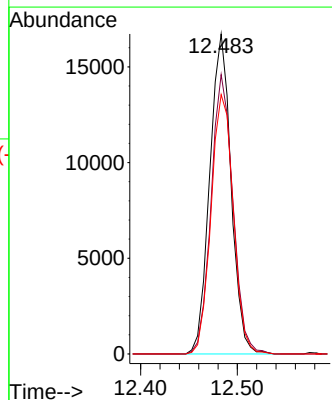
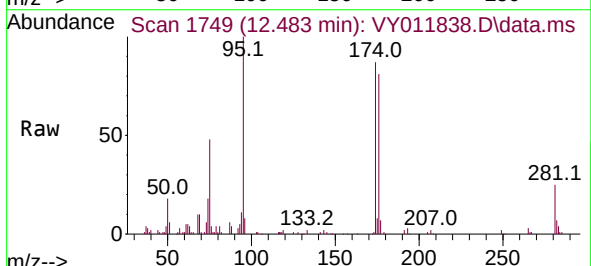
Tgt Ion: 95 Resp: 25538

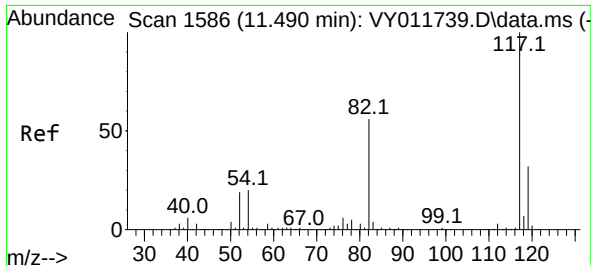
Ion Ratio Lower Upper

95 100

174 89.3 0.0 172.0

176 84.6 0.0 167.6

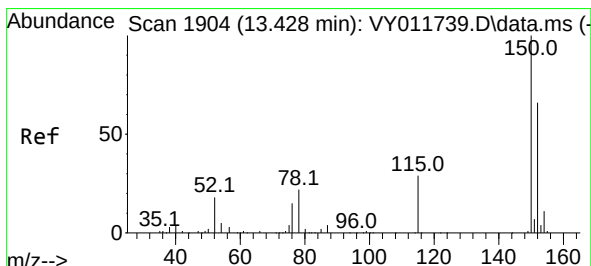
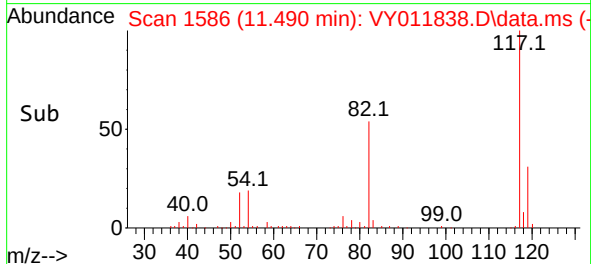
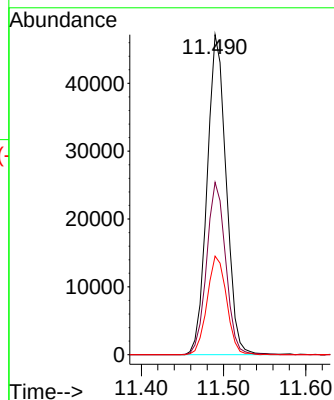
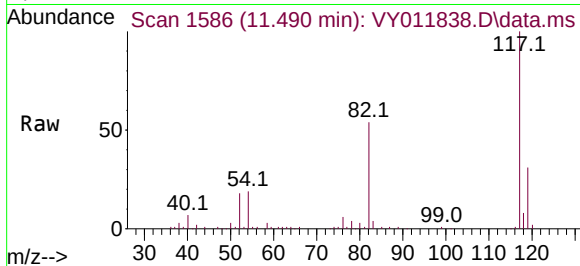




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011838.D
Acq: 14 Dec 2022 12:32

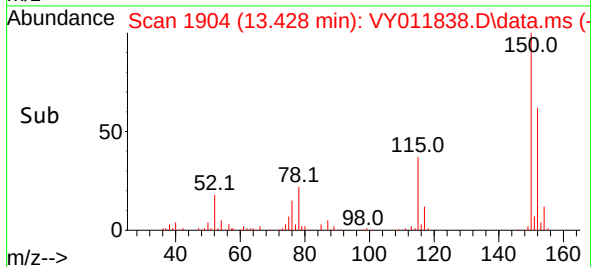
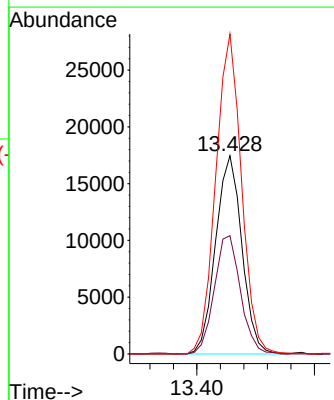
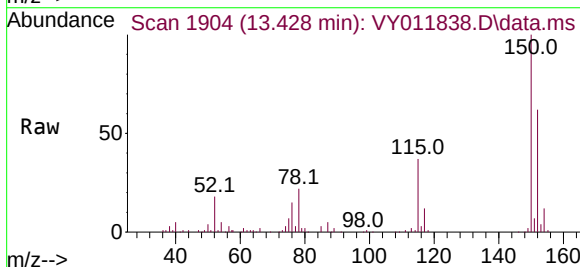
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-121322

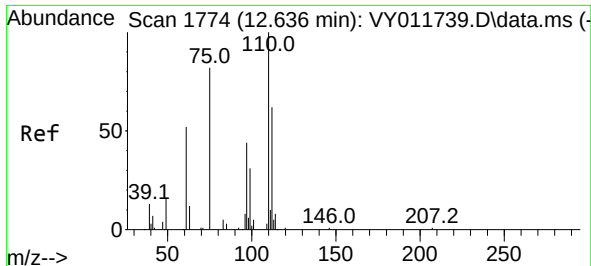
Tgt Ion:	117	Resp:	76142
Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.8	67.2
119	30.8	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011838.D
Acq: 14 Dec 2022 12:32

Tgt Ion:	152	Resp:	27109
Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.1	87.3
150	158.2	0.0	342.6

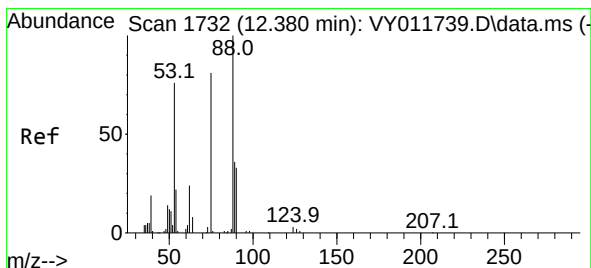
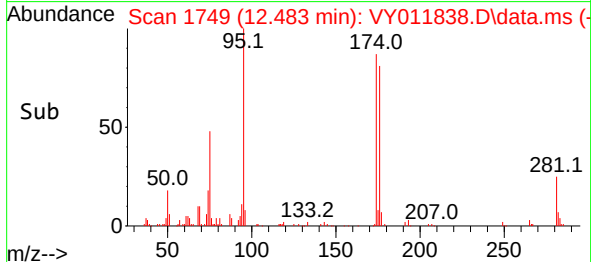
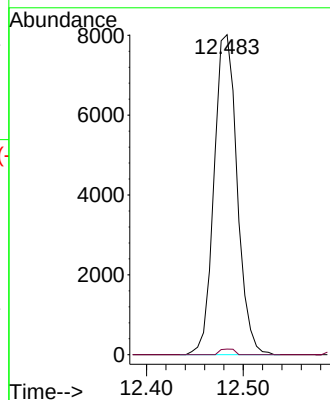
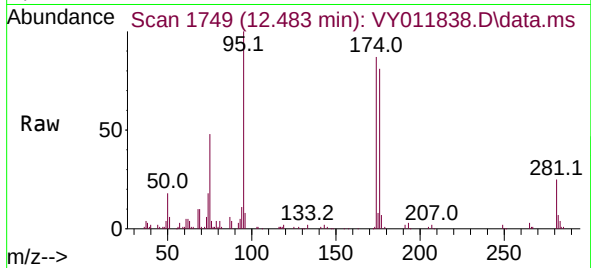




#76
 1,2,3-Trichloropropane
 Concen: 48.441 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY011838.D
 Acq: 14 Dec 2022 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-121322

Tgt Ion: 75 Resp: 13286
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.922 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY011838.D
 Acq: 14 Dec 2022 12:32

Tgt Ion: 75 Resp: 13286
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

