

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120622\
 Data File : VY011714.D
 Acq On : 06 Dec 2022 13:30
 Operator : KP/MD
 Sample : N5872-01RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-120222RE

Quant Time: Dec 06 23:44:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

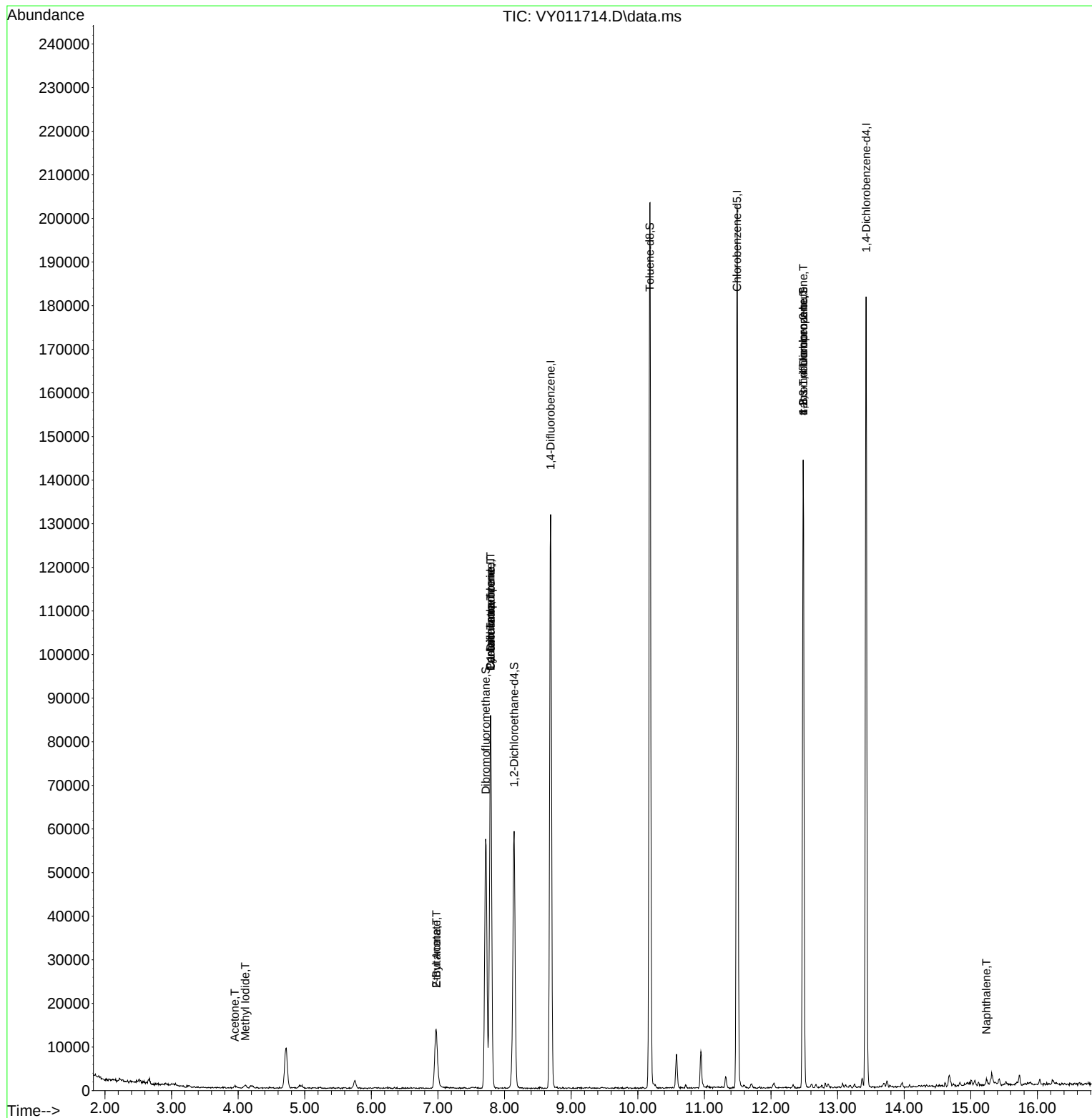
Internal Standards						
1) Pentafluorobenzene	7.789	168	65705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	115628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	111410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	47582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	45621	68.380	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.760%	
35) Dibromofluoromethane	7.716	113	41007	57.610	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.220%	
50) Toluene-d8	10.179	98	138749	53.641	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.280%	
62) 4-Bromofluorobenzene	12.483	95	43484	45.469	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.940%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.943	85	19	Below Cal	#	43
3) Chloromethane	2.119	50	325	Below Cal	#	74
5) Bromomethane	2.668	94	411	Below Cal		82
10) Methyl Iodide	4.107	142	1199	1.633	ug/l #	81
11) Tert butyl alcohol	4.960	59	421	Below Cal	#	77
16) Acetone	3.948	43	801	3.696	ug/l #	63
18) Methyl Acetate	4.485	43	49	Below Cal	#	56
20) Methylene Chloride	4.716	84	6764	Below Cal	#	87
25) 2-Butanone	6.978	43	872	3.062	ug/l #	54
31) Cyclohexane	7.789	56	1287	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	5010	4.503	ug/l #	51
37) Ethyl Acetate	6.978	43	872	1.376	ug/l #	1
38) Carbon Tetrachloride	7.789	117	6084	4.887	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	22520	43.948	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	22520	96.260	ug/l #	7
95) Naphthalene	15.233	128	1362	4.763	ug/l #	90

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

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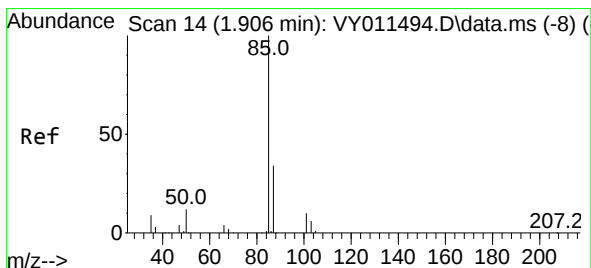
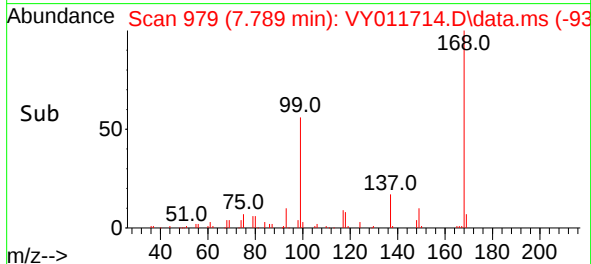
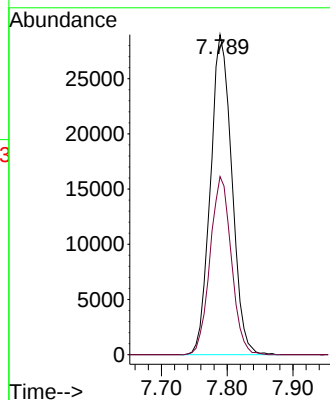
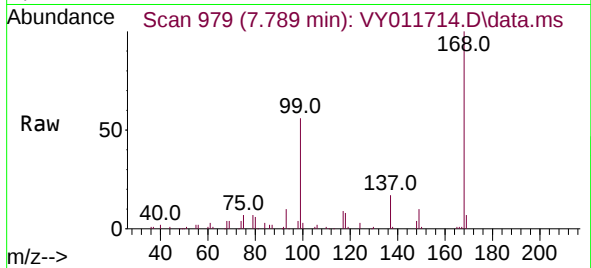




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

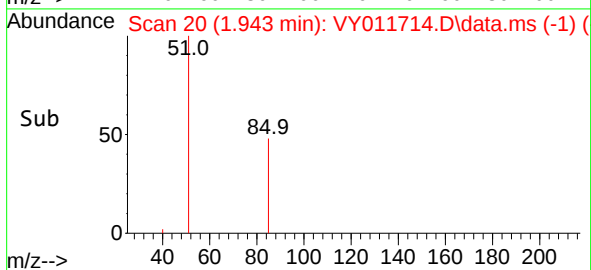
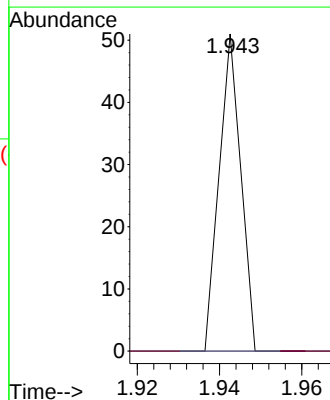
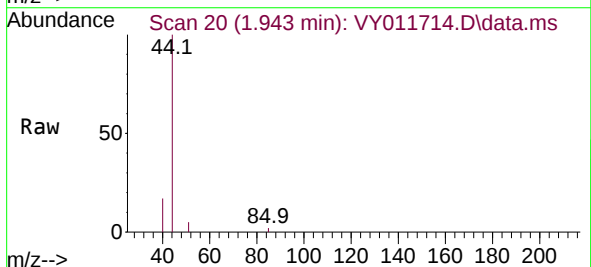
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222RE

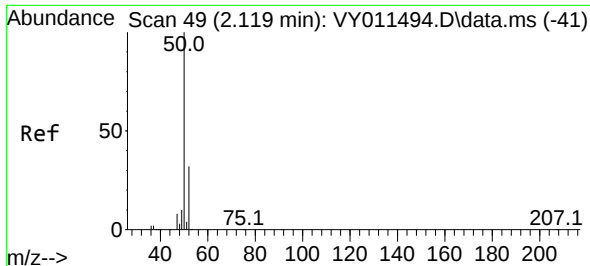
Tgt Ion:168 Resp: 65705
Ion Ratio Lower Upper
168 100
99 55.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.943 min Scan# 20
Delta R.T. 0.037 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

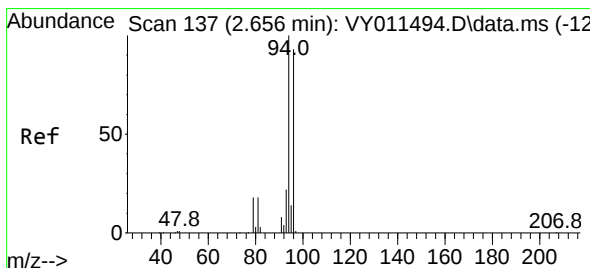
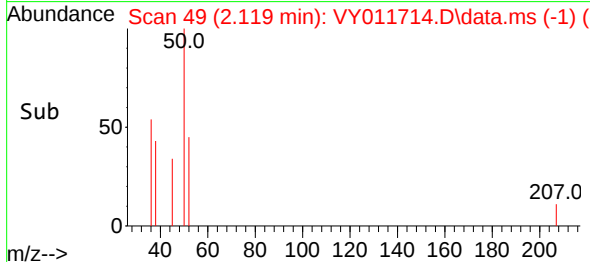
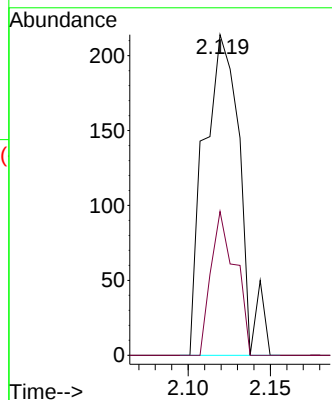
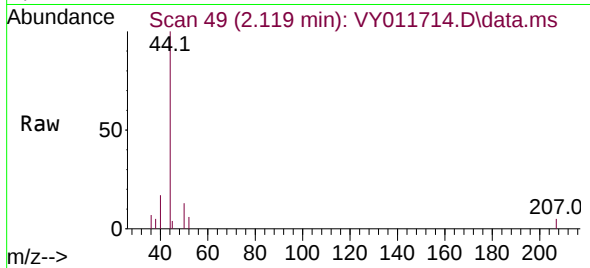




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

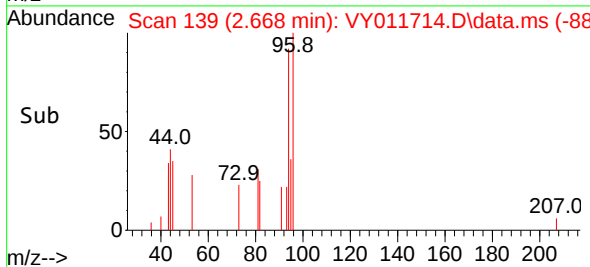
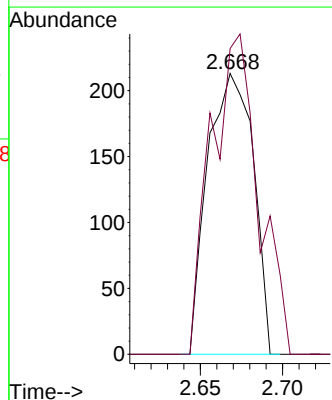
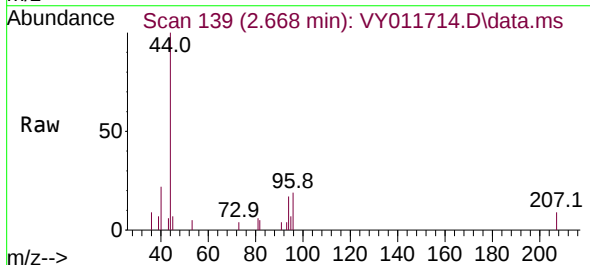
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222RE

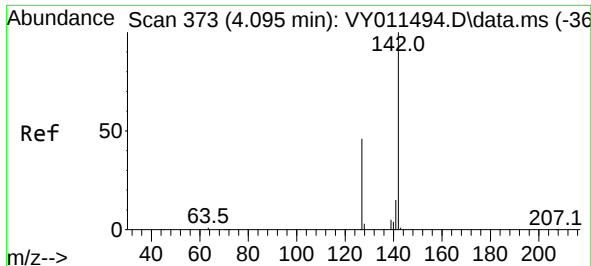
Tgt Ion: 50 Resp: 325
Ion Ratio Lower Upper
50 100
52 44.9 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

Tgt Ion: 94 Resp: 411
Ion Ratio Lower Upper
94 100
96 108.9 73.5 110.3

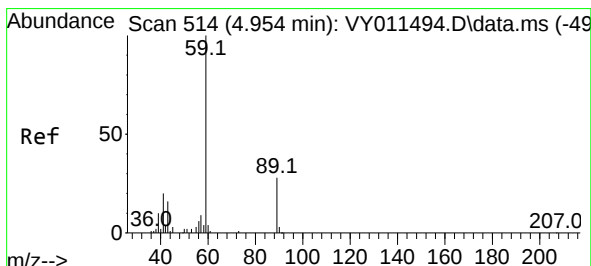
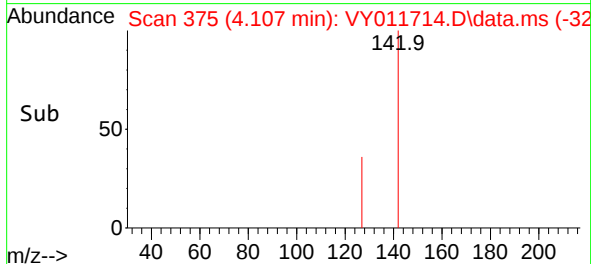
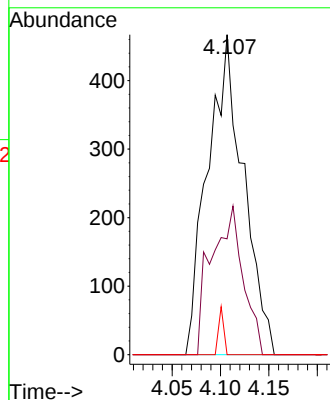
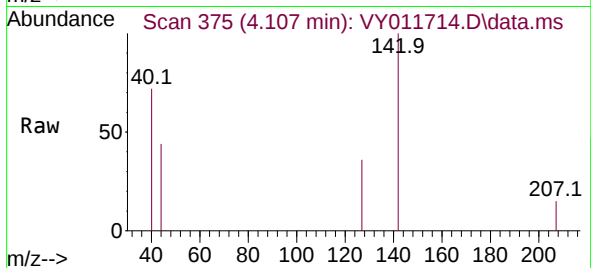




#10
Methyl Iodide
Concen: 1.633 ug/l
RT: 4.107 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

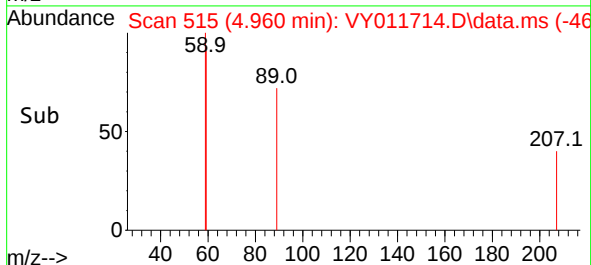
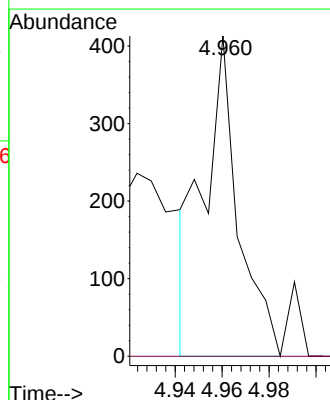
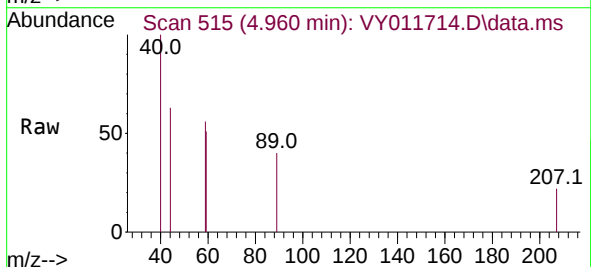
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222RE

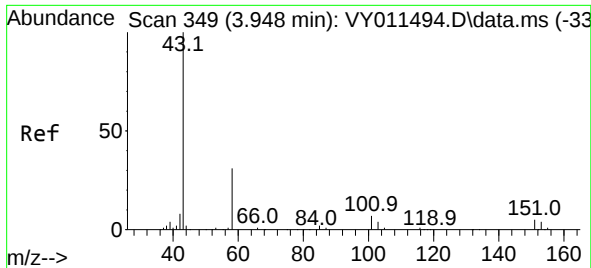
Tgt Ion:142 Resp: 1199
Ion Ratio Lower Upper
142 100
127 41.3 41.5 62.3#
141 2.2 11.9 17.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

Tgt Ion: 59 Resp: 421
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 3.696 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011714.D

Acq: 06 Dec 2022 13:30

Instrument :

MSVOA_Y

ClientSampleId :

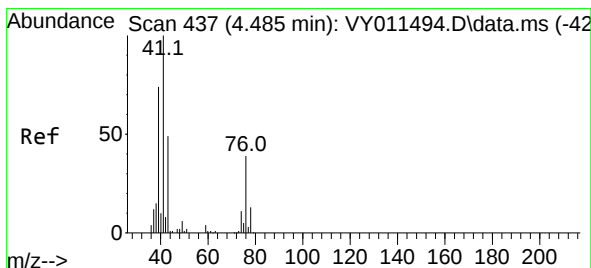
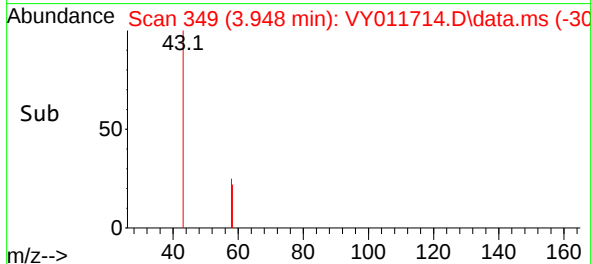
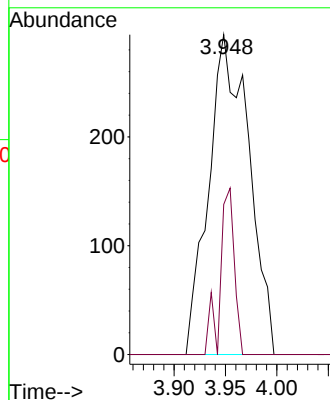
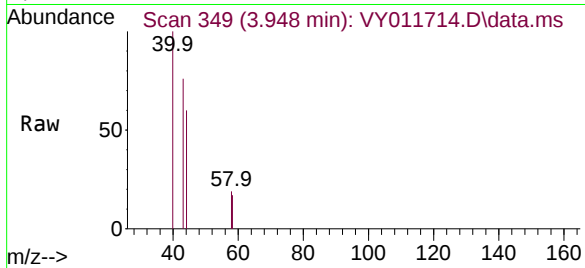
HR-02-120222RE

Tgt Ion: 43 Resp: 801

Ion Ratio Lower Upper

43 100

58 46.9 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY011714.D

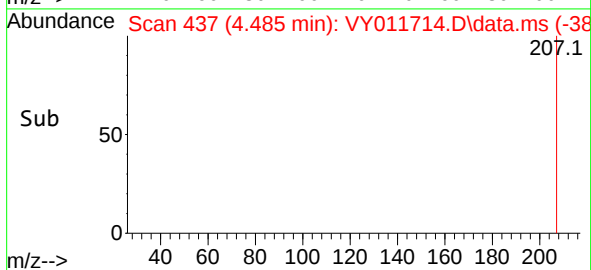
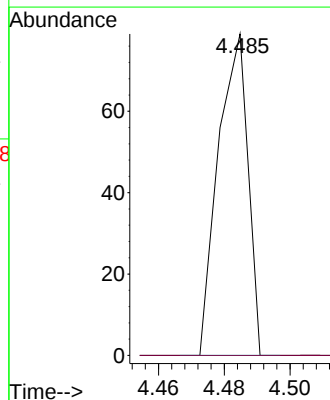
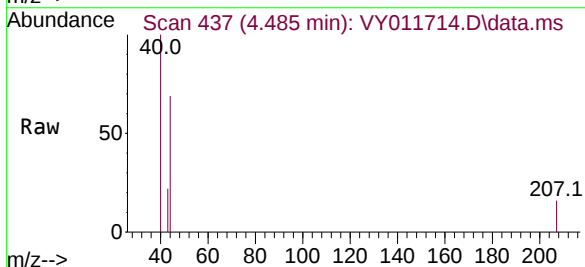
Acq: 06 Dec 2022 13:30

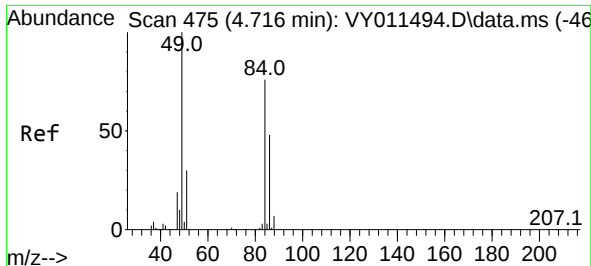
Tgt Ion: 43 Resp: 49

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

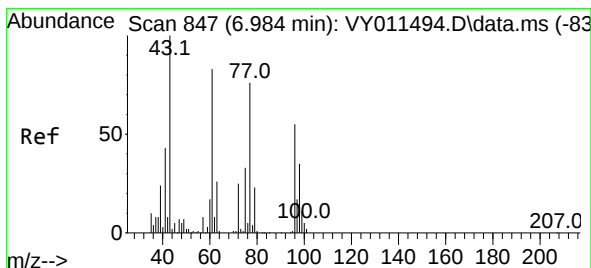
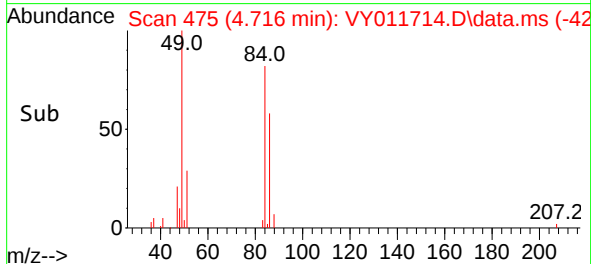
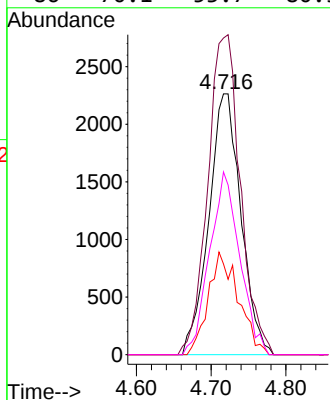
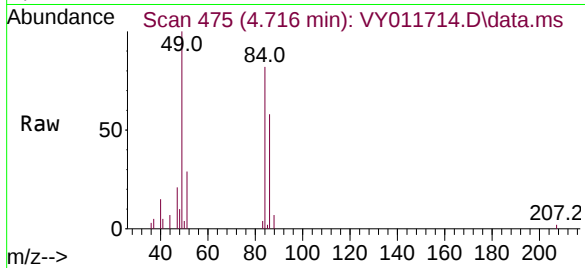




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

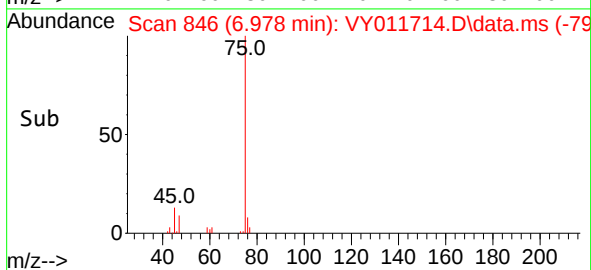
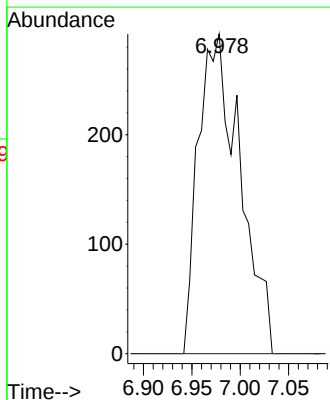
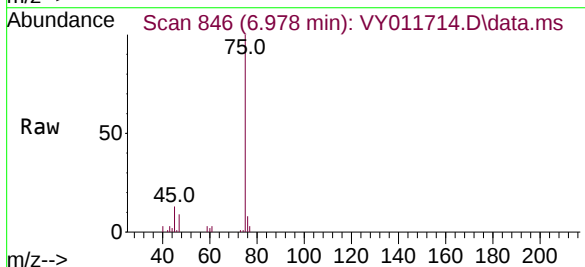
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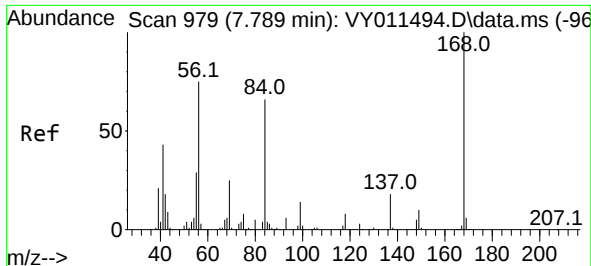
Tgt Ion:	84	Resp:	6764
Ion	Ratio	Lower	Upper
84	100		
49	121.4	114.4	171.6
51	34.8	35.3	52.9#
86	70.1	53.7	80.5



#25
2-Butanone
Concen: 3.062 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

Tgt Ion:	43	Resp:	872
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

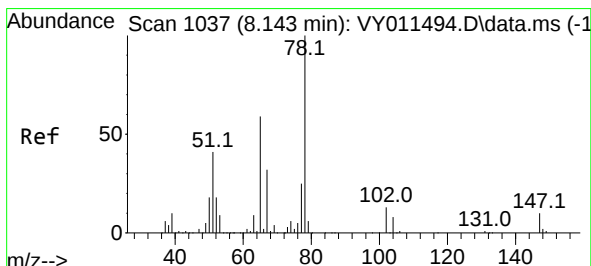
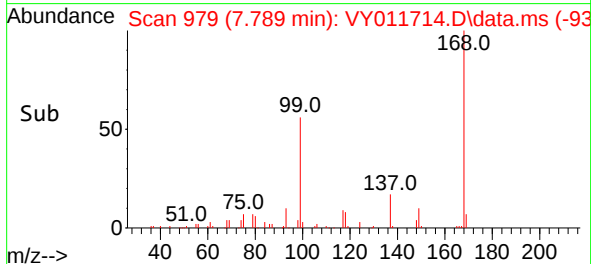
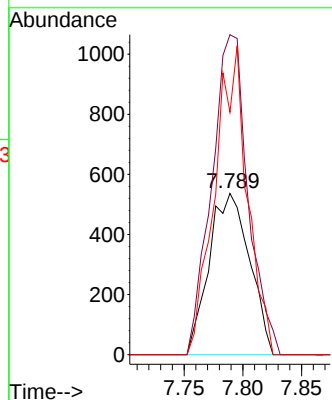
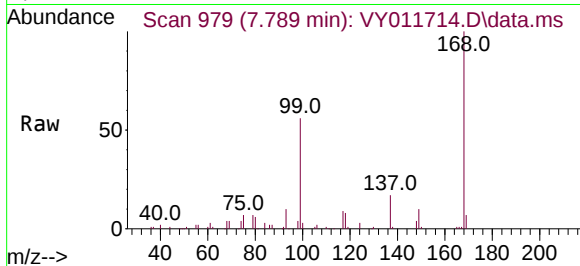




#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

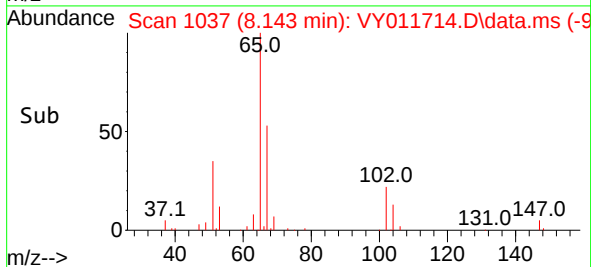
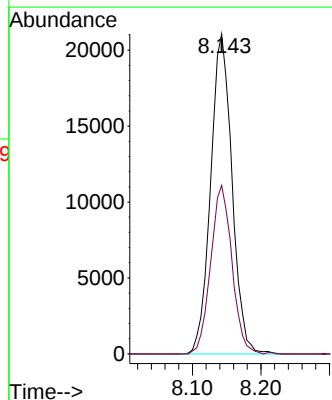
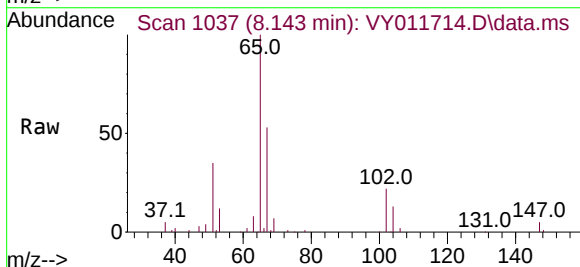
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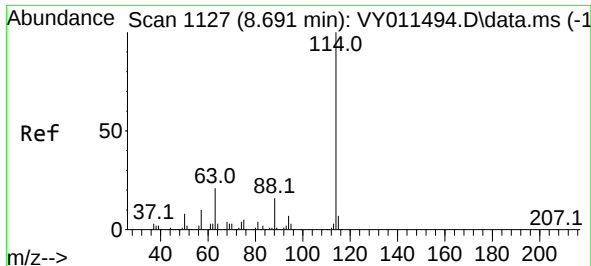
Tgt Ion: 56 Resp: 1287
Ion Ratio Lower Upper
56 100
69 198.3 26.7 40.1#
84 150.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 68.380 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

Tgt Ion: 65 Resp: 45621
Ion Ratio Lower Upper
65 100
67 52.3 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: VY011714.D

Acq: 06 Dec 2022 13:30

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-120222RE

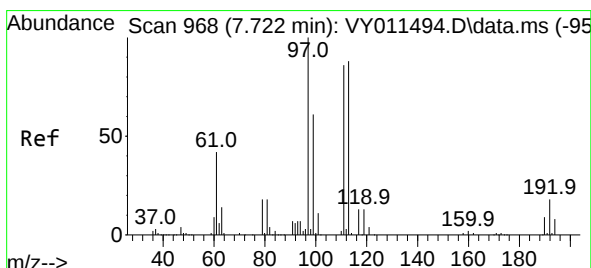
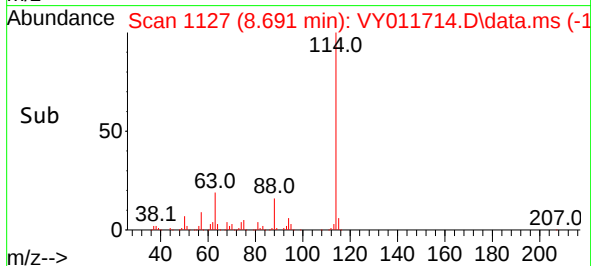
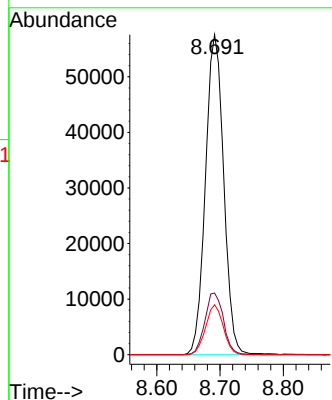
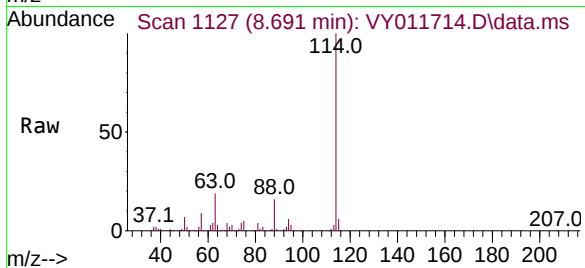
Tgt Ion:114 Resp: 115628

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 57.610 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011714.D

Acq: 06 Dec 2022 13:30

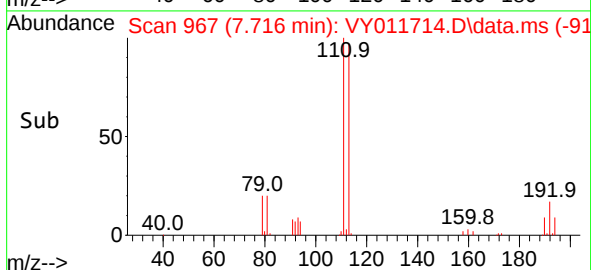
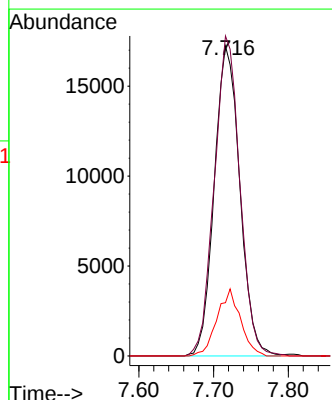
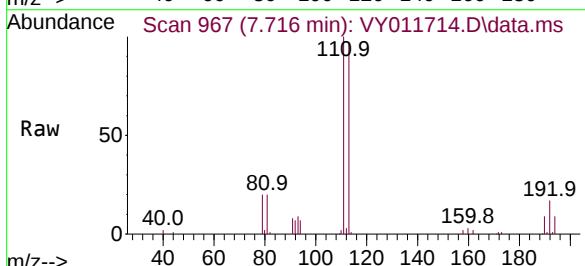
Tgt Ion:113 Resp: 41007

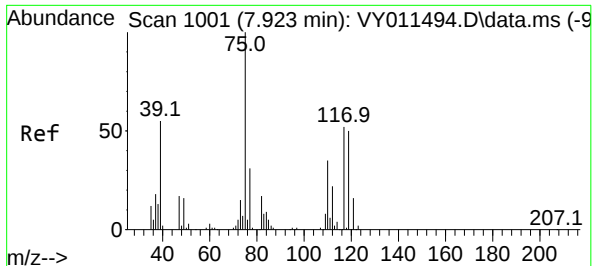
Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 19.9 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.503 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011714.D

Acq: 06 Dec 2022 13:30

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-120222RE

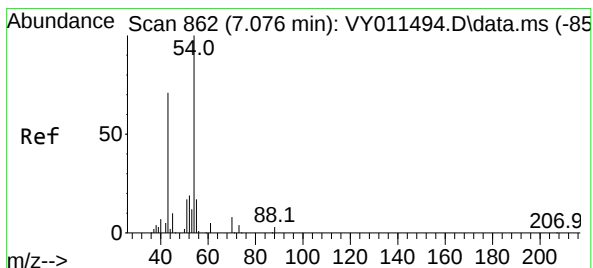
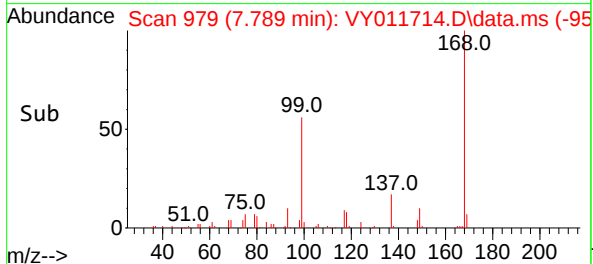
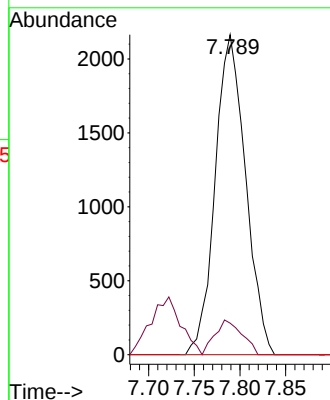
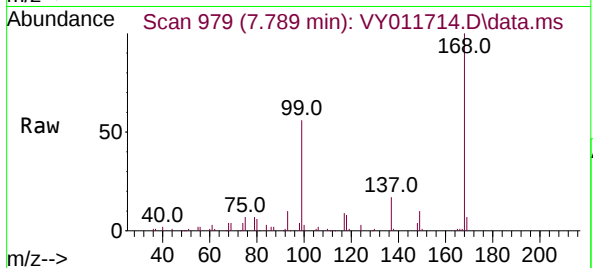
Tgt Ion: 75 Resp: 5010

Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.376 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.098 min

Lab File: VY011714.D

Acq: 06 Dec 2022 13:30

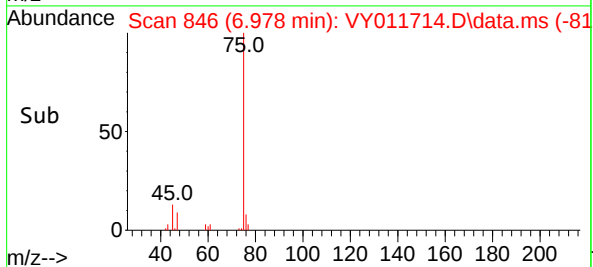
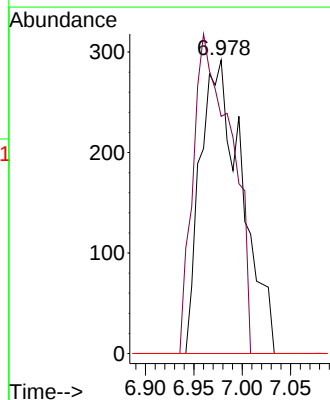
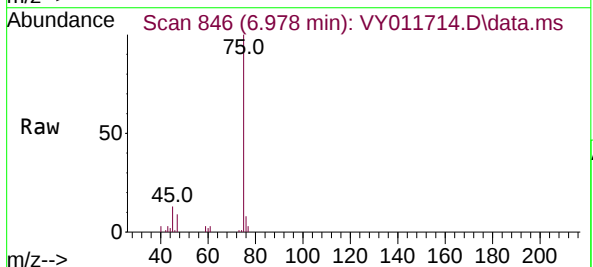
Tgt Ion: 43 Resp: 872

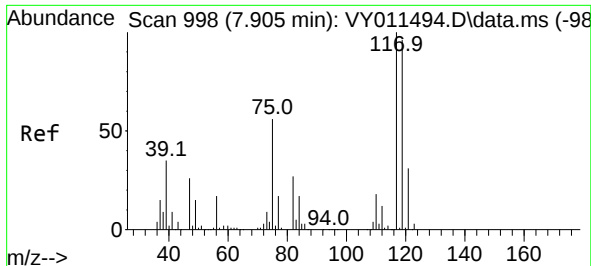
Ion Ratio Lower Upper

43 100

61 100.7 9.7 14.5#

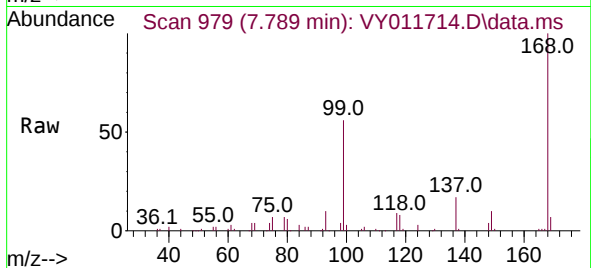
70 0.0 7.1 10.7#



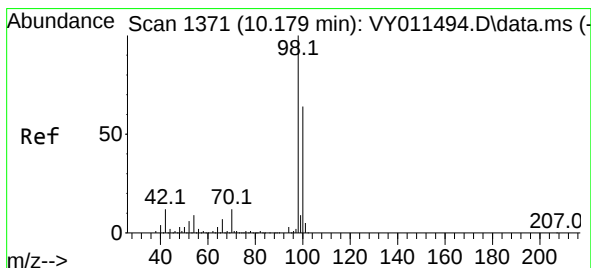
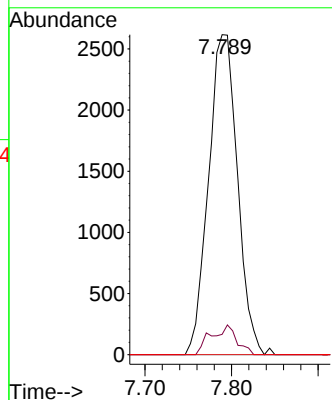
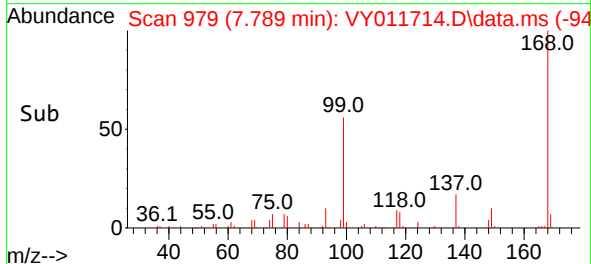


#38
Carbon Tetrachloride
Concen: 4.887 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222RE

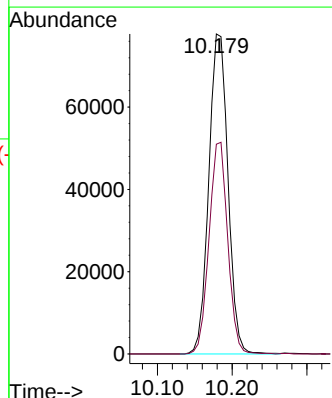
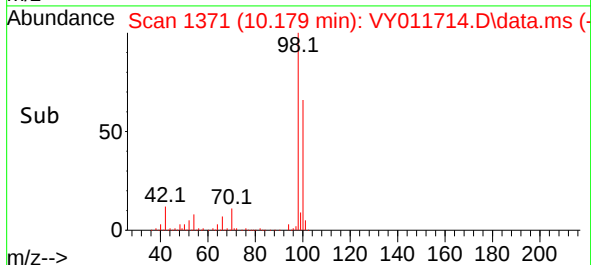
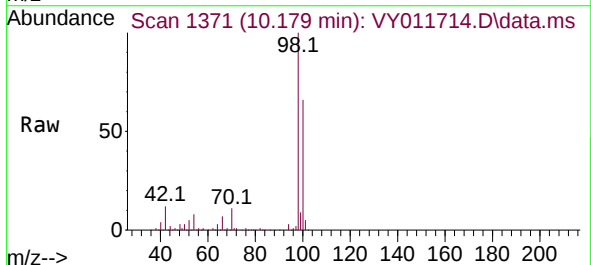


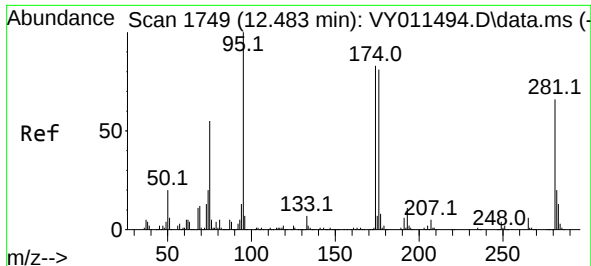
Tgt Ion:117 Resp: 6084
Ion Ratio Lower Upper
117 100
119 6.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.641 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

Tgt Ion: 98 Resp: 138749
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

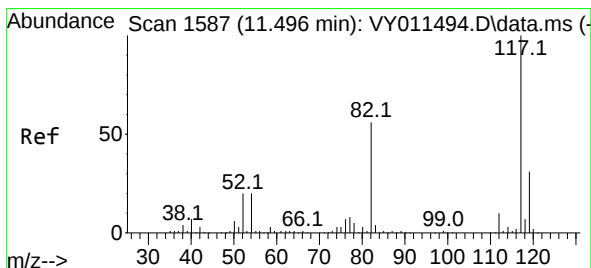
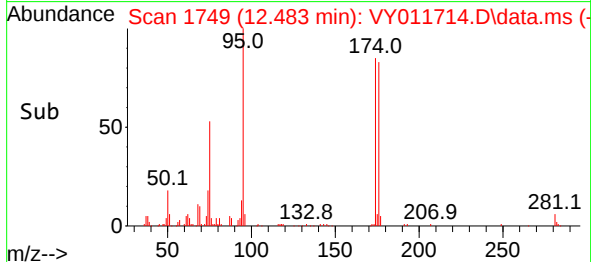
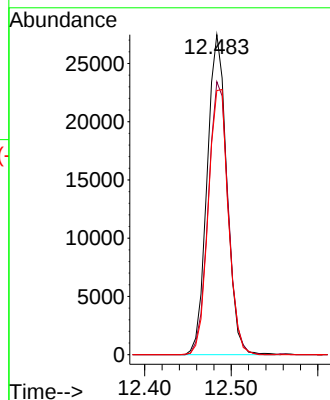
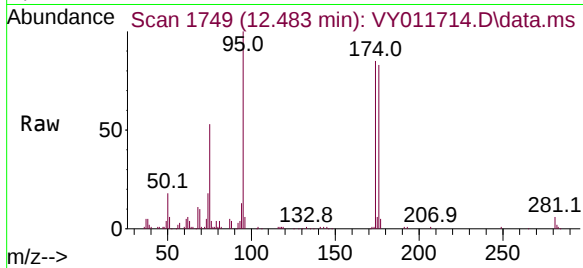




#62
4-Bromofluorobenzene
Concen: 45.469 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

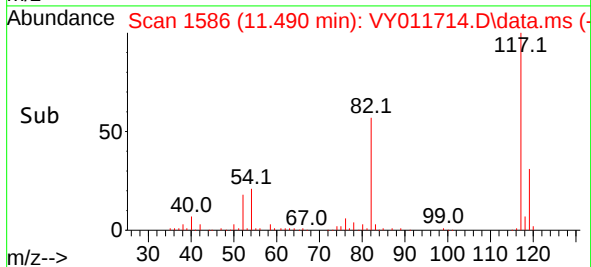
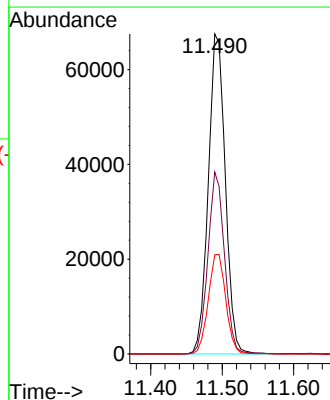
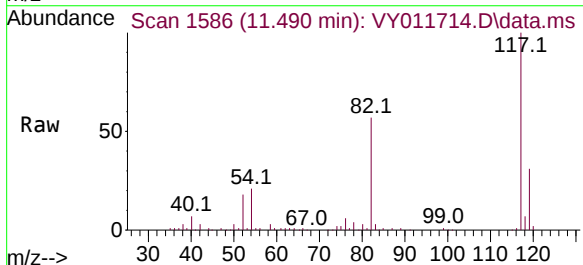
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222RE

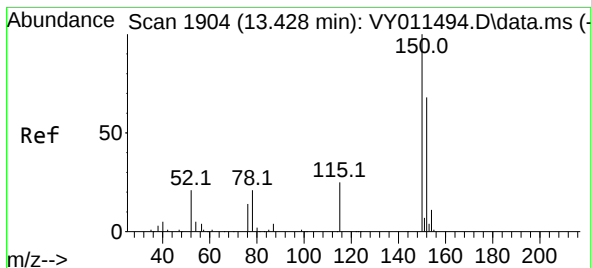
Tgt Ion: 95 Resp: 43484
Ion Ratio Lower Upper
95 100
174 86.4 0.0 177.0
176 84.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

Tgt Ion: 117 Resp: 111410
Ion Ratio Lower Upper
117 100
82 56.8 43.0 64.4
119 31.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY011714.D

Acq: 06 Dec 2022 13:30

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-120222RE

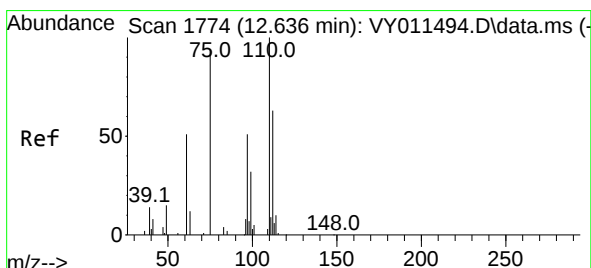
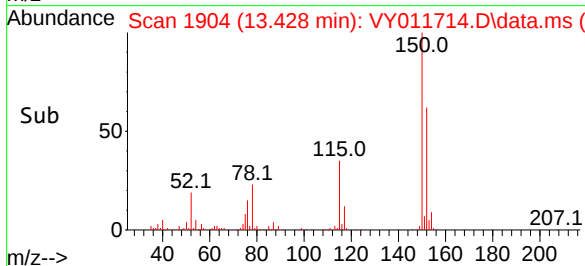
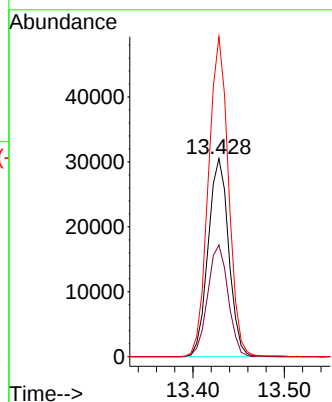
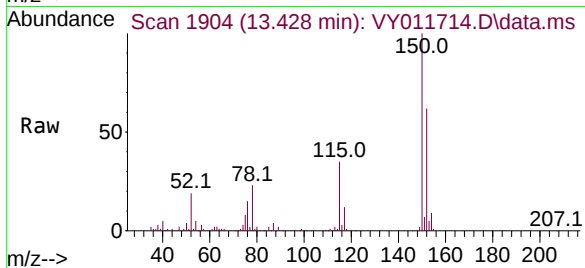
Tgt Ion:152 Resp: 47582

Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.7

150 157.7 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 43.948 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY011714.D

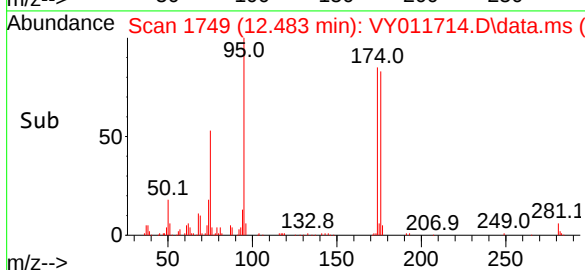
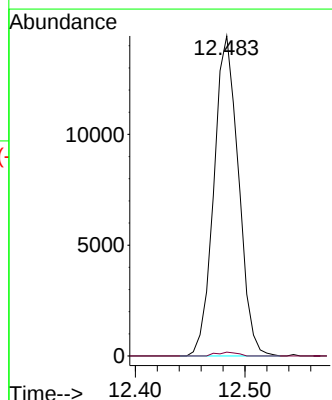
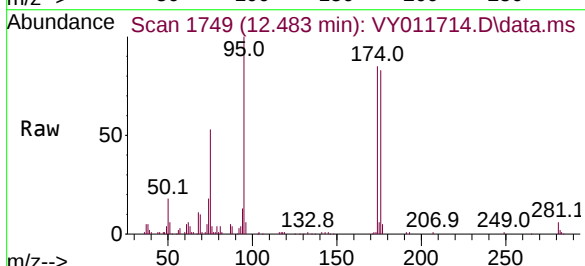
Acq: 06 Dec 2022 13:30

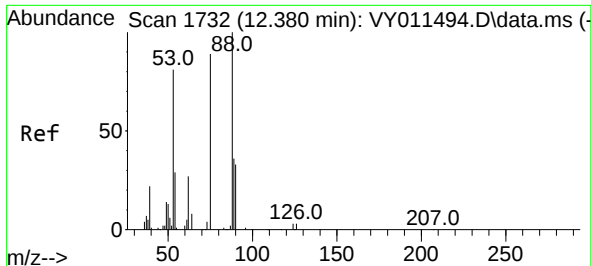
Tgt Ion: 75 Resp: 22520

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

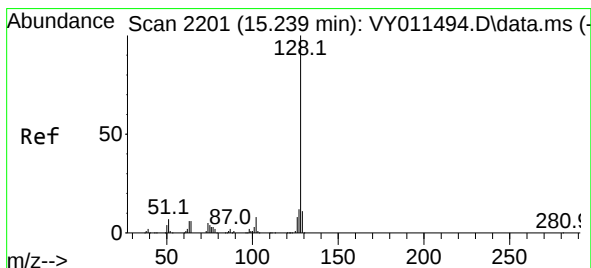
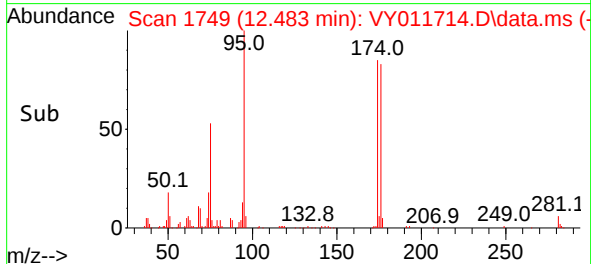
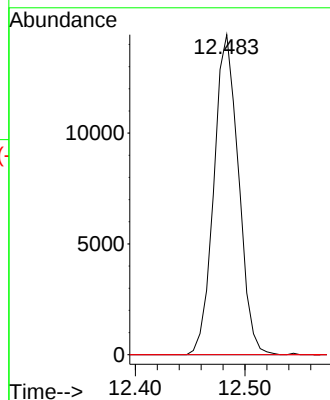
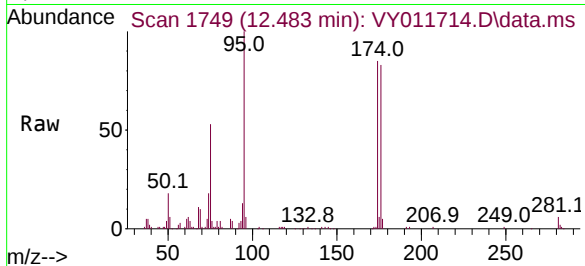




#81
trans-1,4-Dichloro-2-butene
Concen: 96.260 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222RE

Tgt Ion: 75 Resp: 22520
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.763 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011714.D
Acq: 06 Dec 2022 13:30

Tgt Ion: 128 Resp: 1362
Ion Ratio Lower Upper
128 100
127 12.0 11.0 16.4
129 3.7 8.4 12.6#

