

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013553.D
 Acq On : 02 May 2023 13:50
 Operator : KP/MD
 Sample : 02572-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-251671

Quant Time: May 03 01:33:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

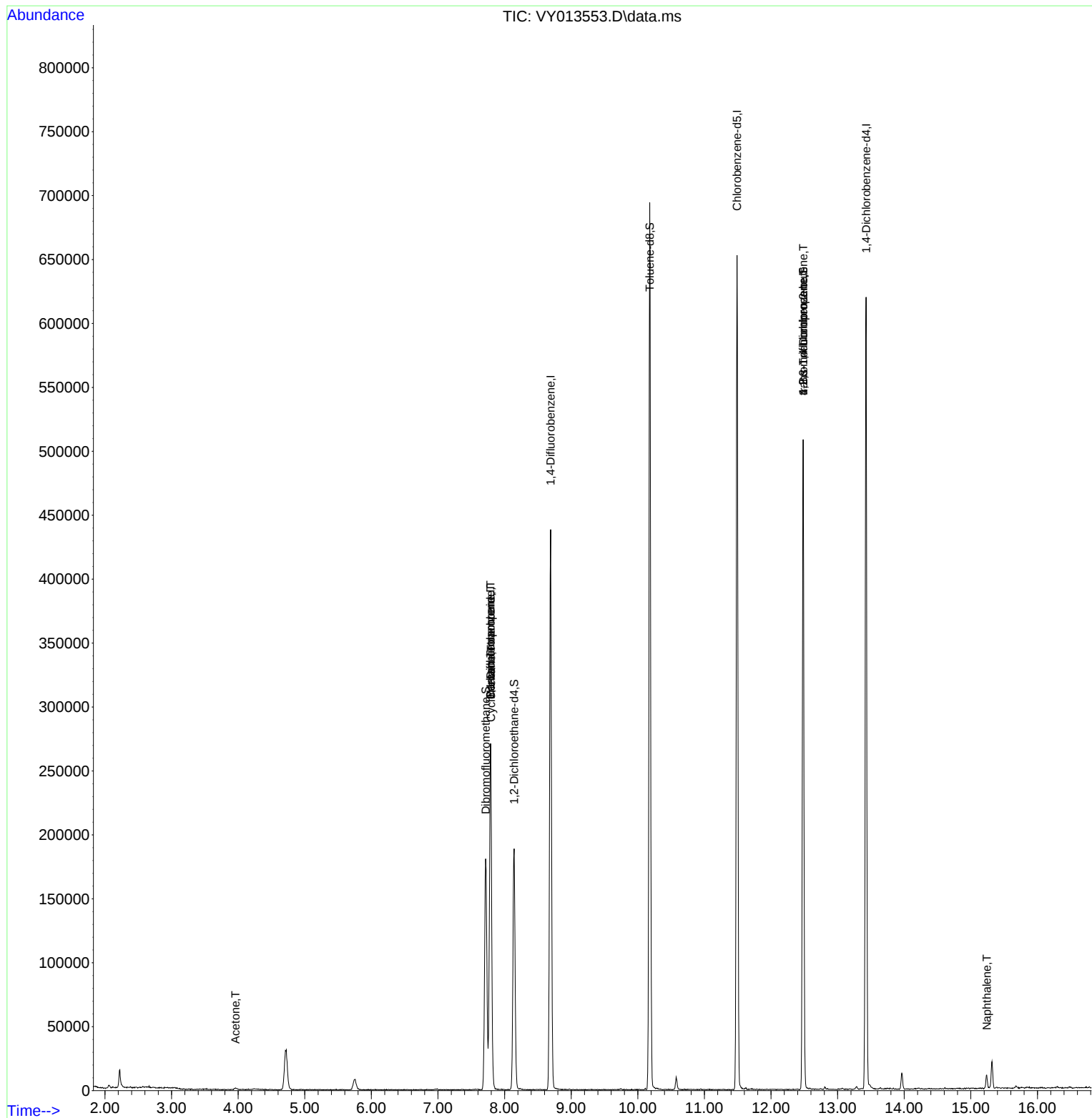
Internal Standards						
1) Pentafluorobenzene	7.789	168	210880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	361379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	356079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	158027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	152978	66.175	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.360%
35) Dibromofluoromethane	7.715	113	126671	55.731	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.460%
50) Toluene-d8	10.178	98	440859	54.524	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.040%
62) 4-Bromofluorobenzene	12.483	95	141723	51.992	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.980%
Target Compounds						
13) Acrolein	3.655	56	19	Below Cal	#	16
16) Acetone	3.960	43	2325	2.554	ug/l	91
31) Cyclohexane	7.795	56	4629	1.118	ug/l	# 40
36) 1,1-Dichloropropene	7.789	75	15406	4.084	ug/l	# 48
38) Carbon Tetrachloride	7.789	117	20676	5.230	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	75684	35.513	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	75684	72.643	ug/l	# 13
95) Naphthalene	15.238	128	8279	1.284	ug/l	97

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

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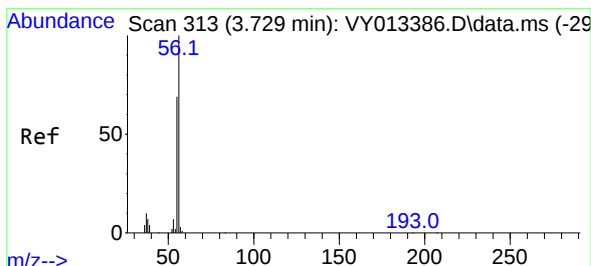
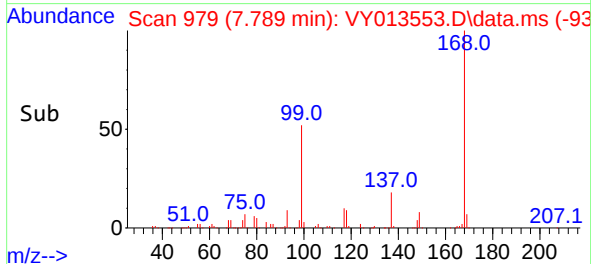
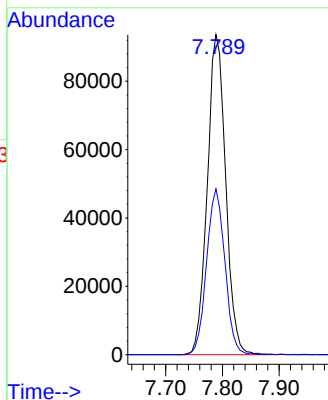
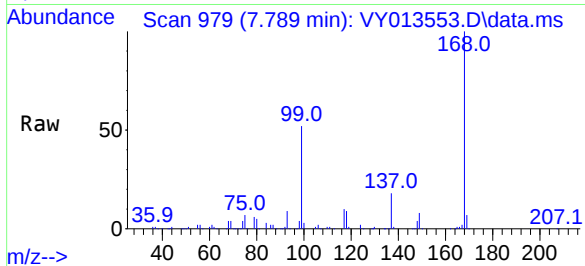




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

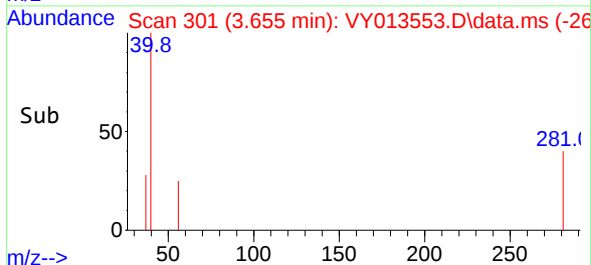
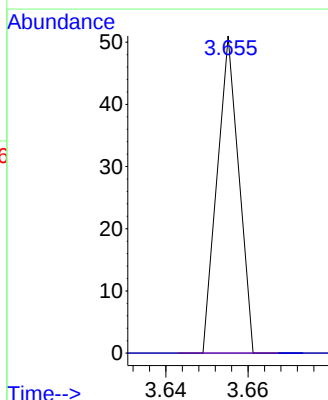
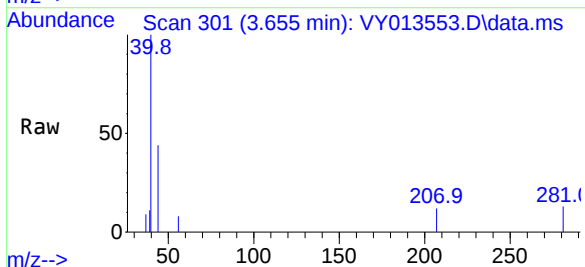
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251671

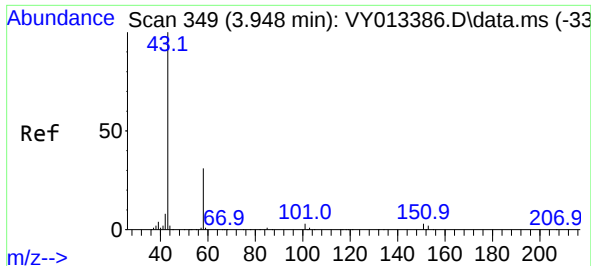
Tgt Ion:168 Resp: 210880
Ion Ratio Lower Upper
168 100
99 51.8 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.655 min Scan# 301
Delta R.T. -0.074 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#

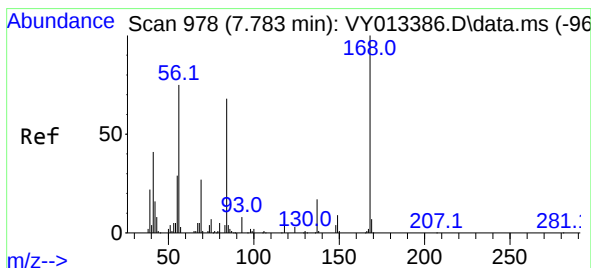
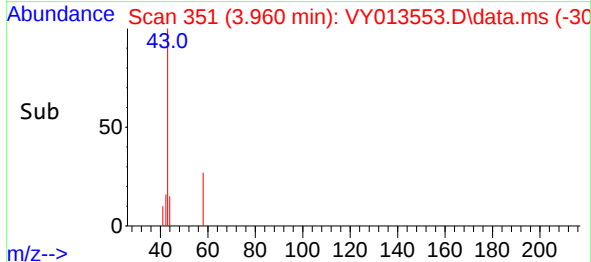
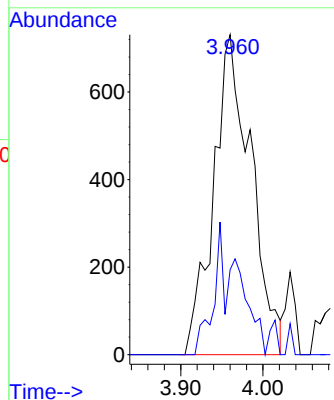
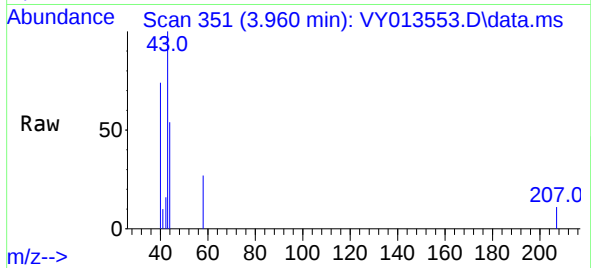




#16
Acetone
Concen: 2.554 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

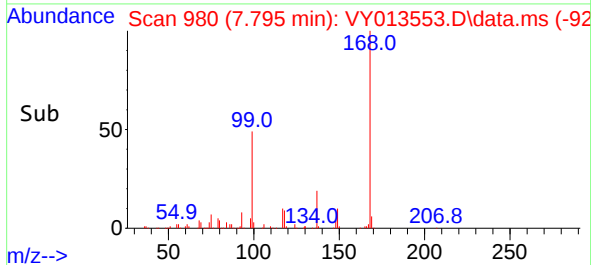
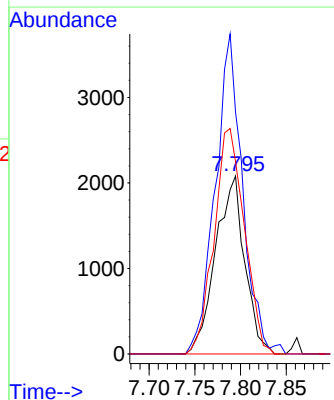
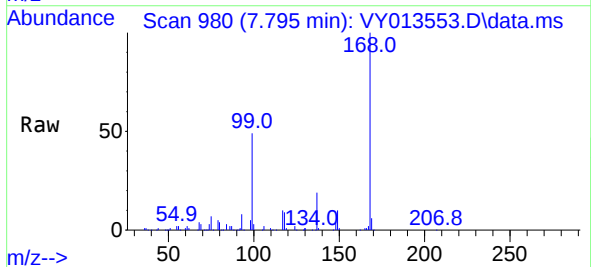
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251671

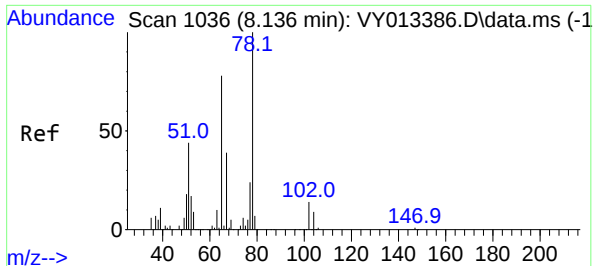
Tgt Ion: 43 Resp: 2325
Ion Ratio Lower Upper
43 100
58 26.5 25.4 38.0



#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

Tgt Ion: 56 Resp: 4629
Ion Ratio Lower Upper
56 100
69 135.8 29.2 43.8#
84 108.0 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 66.175 ug/l

RT: 8.142 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY013553.D

Acq: 02 May 2023 13:50

Instrument :

MSVOA_Y

ClientSampleId :

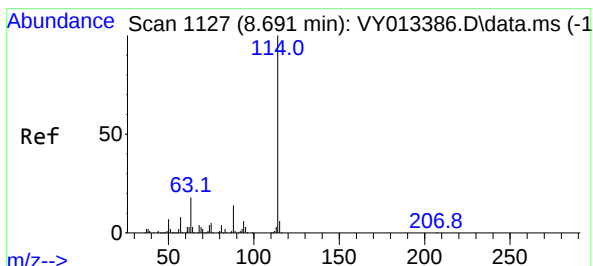
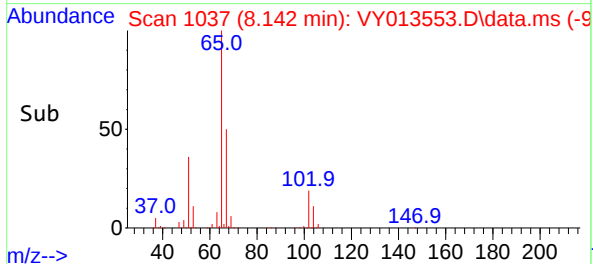
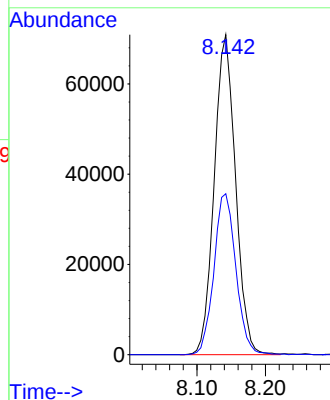
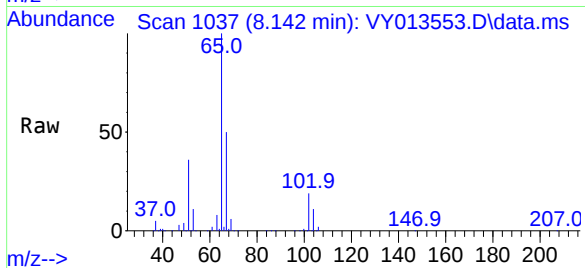
RBR-251671

Tgt Ion: 65 Resp: 152978

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY013553.D

Acq: 02 May 2023 13:50

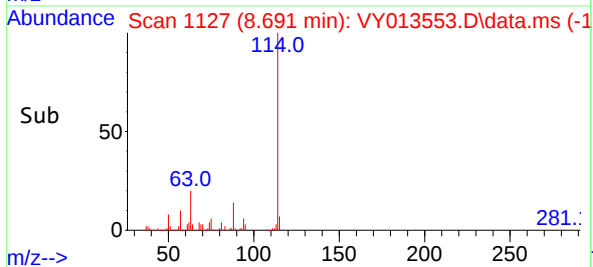
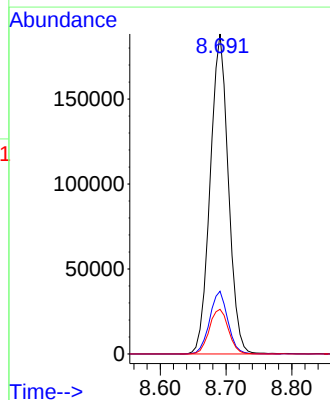
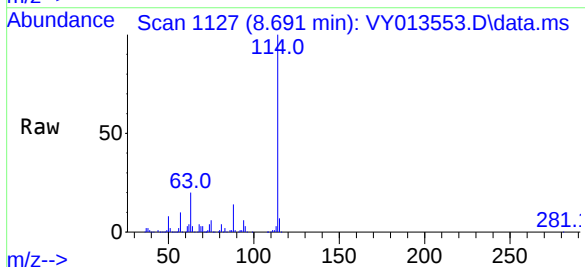
Tgt Ion:114 Resp: 361379

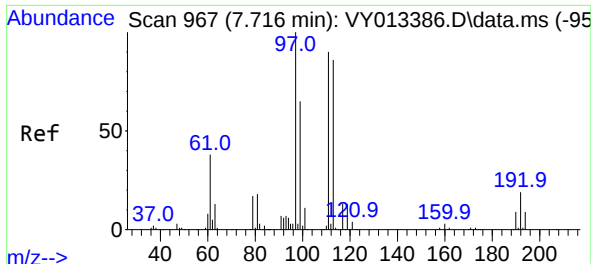
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.6

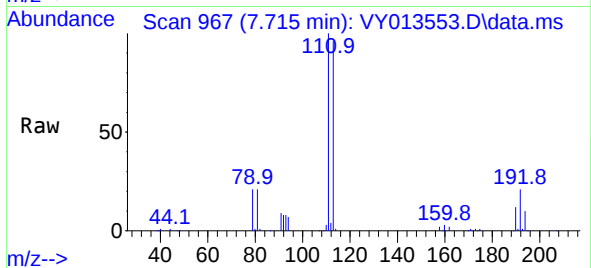
88 13.9 0.0 28.8



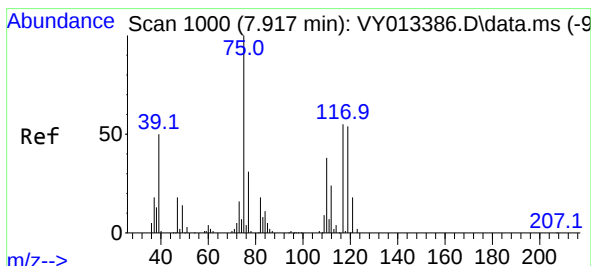
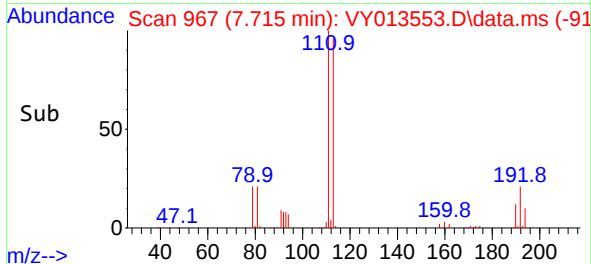
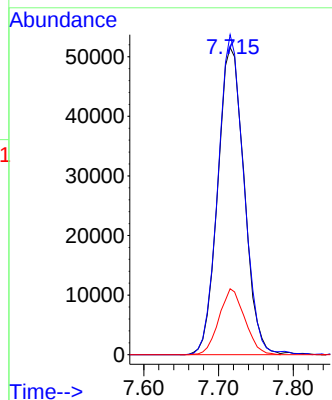


#35
Dibromofluoromethane
Concen: 55.731 ug/l
RT: 7.715 min Scan# 910
Delta R.T. -0.001 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

Instrument :
MSVOA_Y
ClientSampleId :
RBR-251671

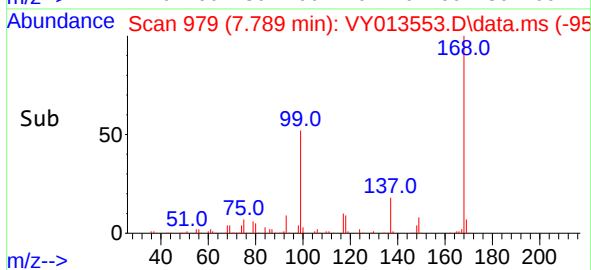
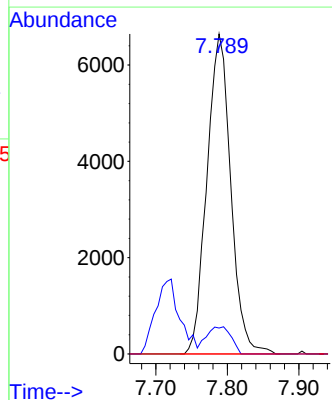
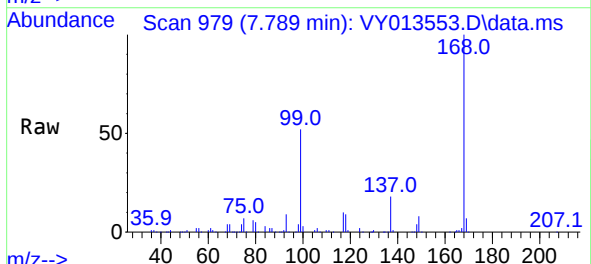


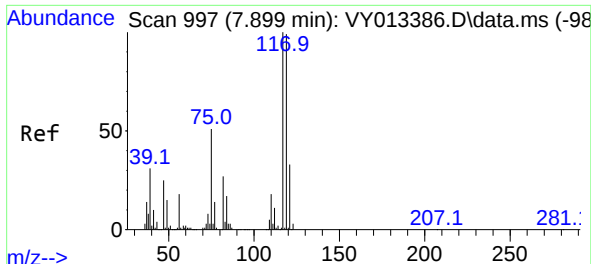
Tgt Ion:113 Resp: 126671
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 20.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.084 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

Tgt Ion: 75 Resp: 15406
Ion Ratio Lower Upper
75 100
110 8.8 18.7 56.1#
77 0.0 24.6 37.0#

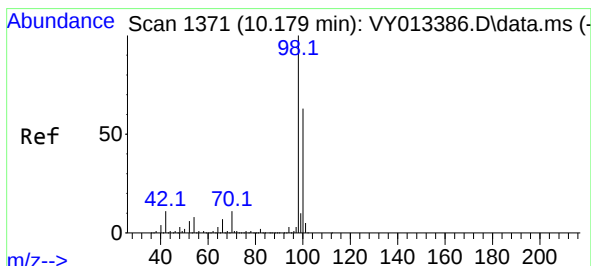
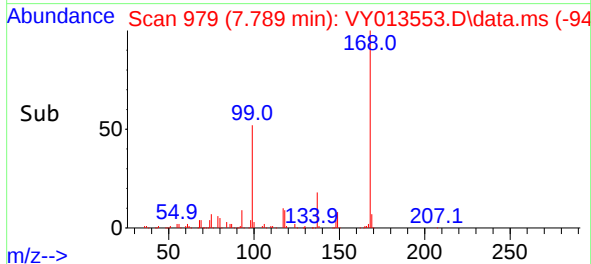
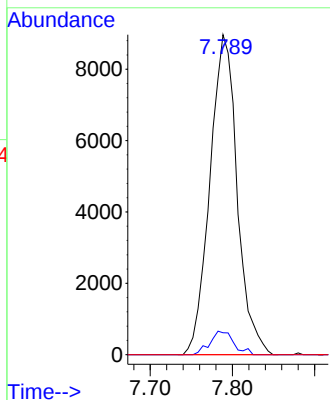
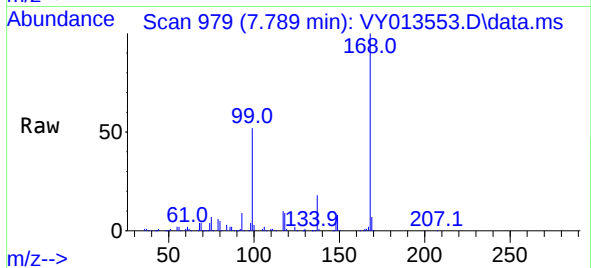




#38
Carbon Tetrachloride
Concen: 5.230 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

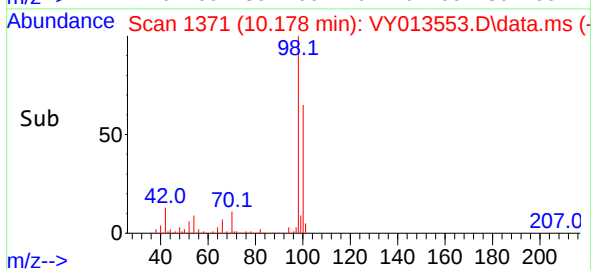
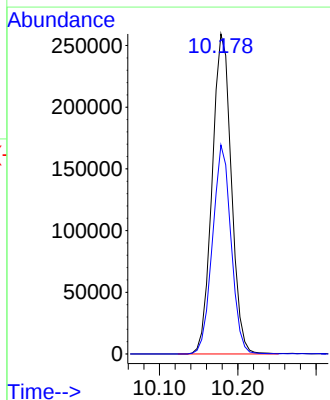
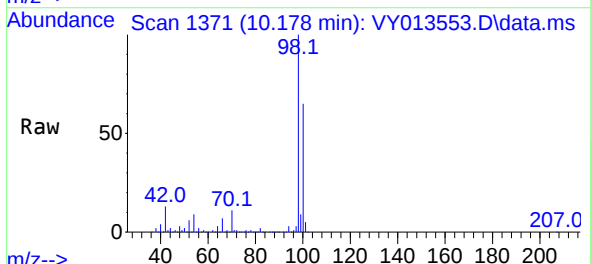
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251671

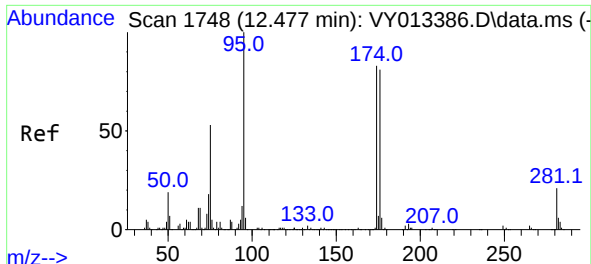
Tgt Ion:117 Resp: 20676
Ion Ratio Lower Upper
117 100
119 6.9 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.524 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

Tgt Ion: 98 Resp: 440859
Ion Ratio Lower Upper
98 100
100 63.2 50.5 75.7

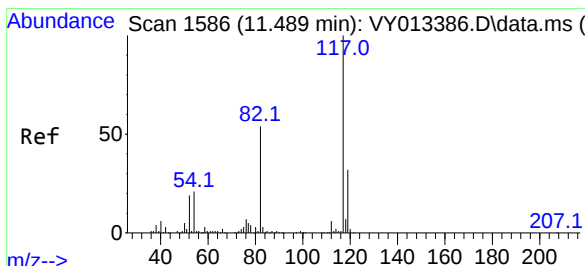
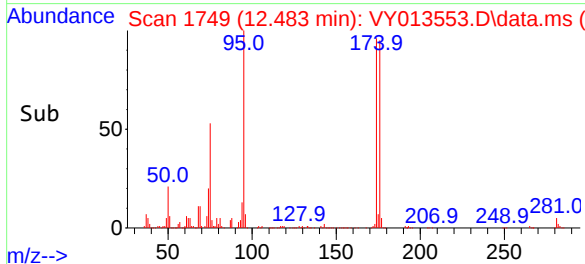
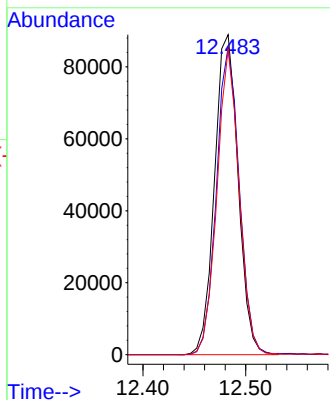
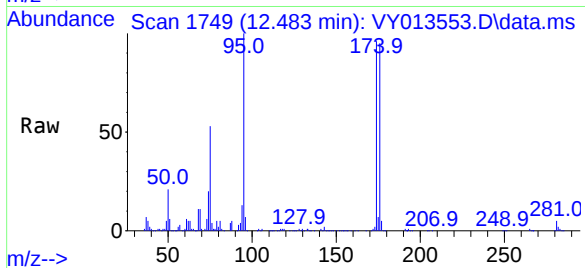




#62
4-Bromofluorobenzene
Concen: 51.992 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

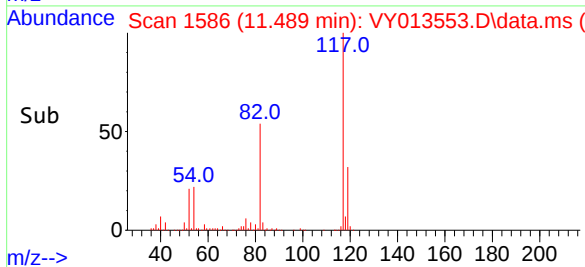
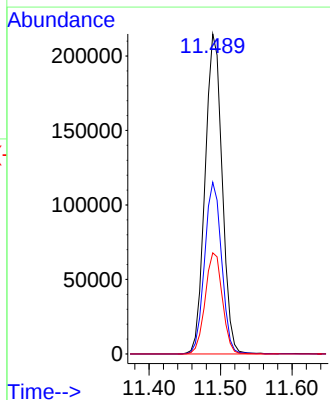
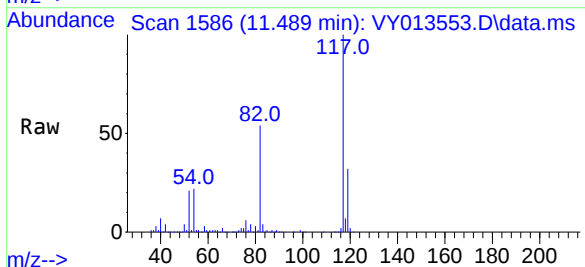
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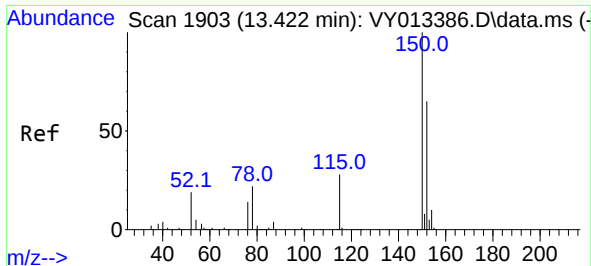
Tgt Ion: 95 Resp: 141723
Ion Ratio Lower Upper
95 100
174 93.3 0.0 182.0
176 89.5 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

Tgt Ion: 117 Resp: 356079
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.6
119 31.6 25.5 38.3

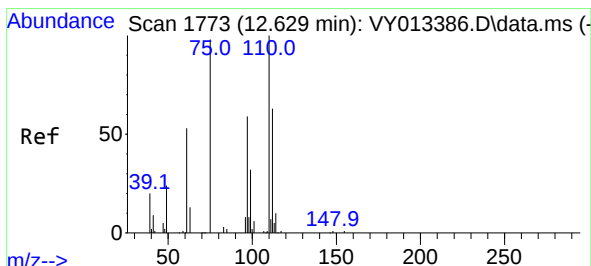
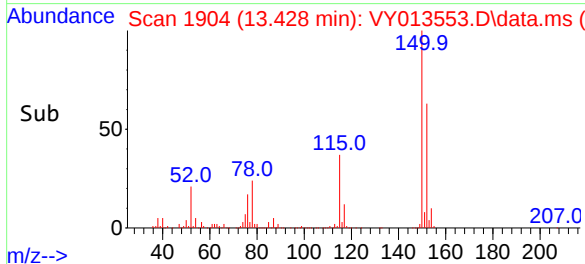
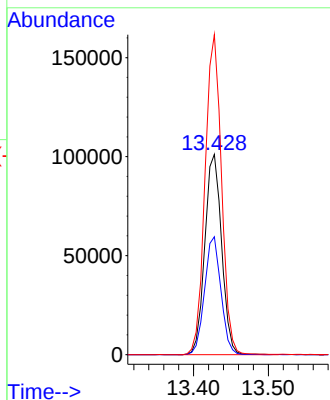
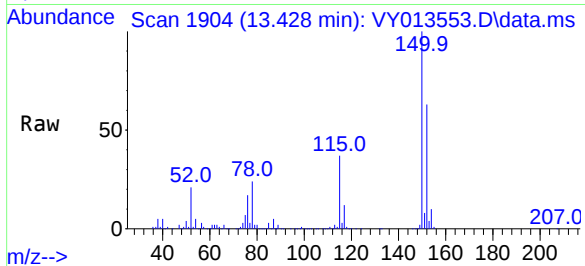




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

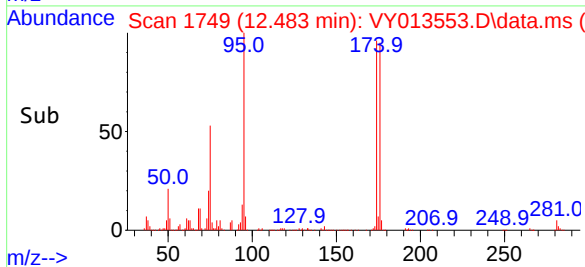
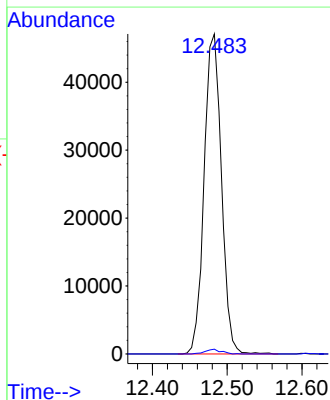
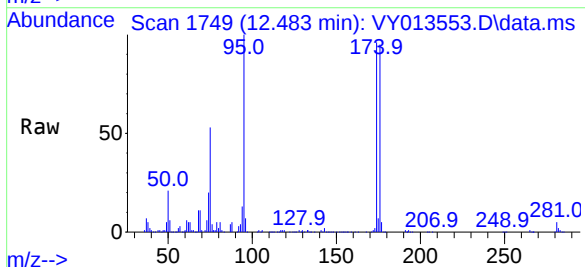
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251671

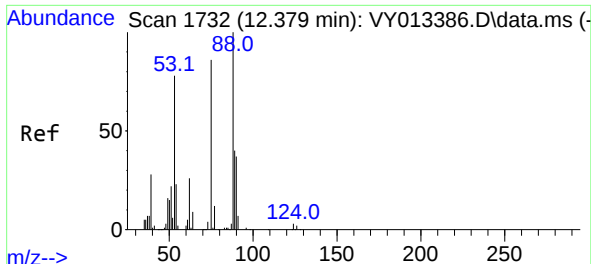
Tgt Ion:152 Resp: 158027
Ion Ratio Lower Upper
152 100
115 57.4 28.1 84.2
150 156.5 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 35.513 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

Tgt Ion: 75 Resp: 75684
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

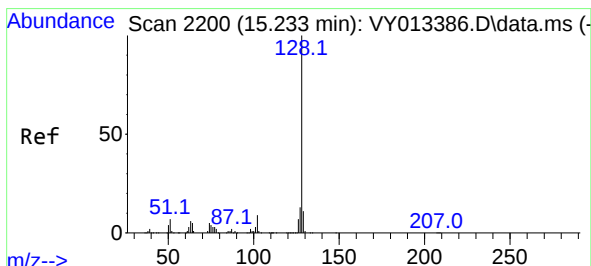
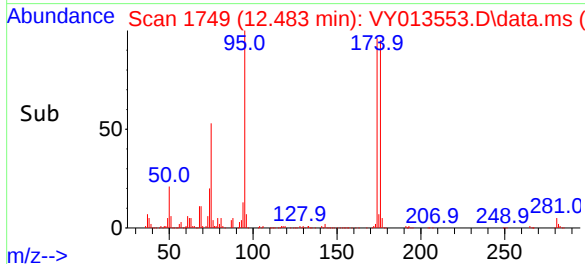
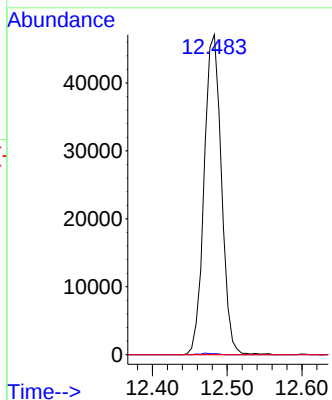
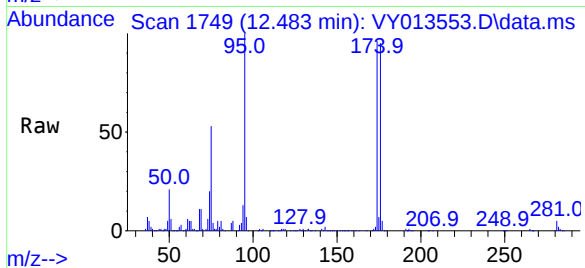




#81
trans-1,4-Dichloro-2-butene
Concen: 72.643 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

Instrument :
MSVOA_Y
ClientSampleId :
RBR-251671

Tgt Ion: 75 Resp: 75684
Ion Ratio Lower Upper
75 100
53 0.4 73.2 109.8#
89 0.0 38.0 57.0#



#95
Naphthalene
Concen: 1.284 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. 0.005 min
Lab File: VY013553.D
Acq: 02 May 2023 13:50

Tgt Ion: 128 Resp: 8279
Ion Ratio Lower Upper
128 100
127 15.4 10.7 16.1
129 10.9 8.8 13.2

