

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050123\
 Data File : VY013541.D
 Acq On : 01 May 2023 16:27
 Operator : KP/MD
 Sample : 02563-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-042823

Quant Time: May 01 22:50:02 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)

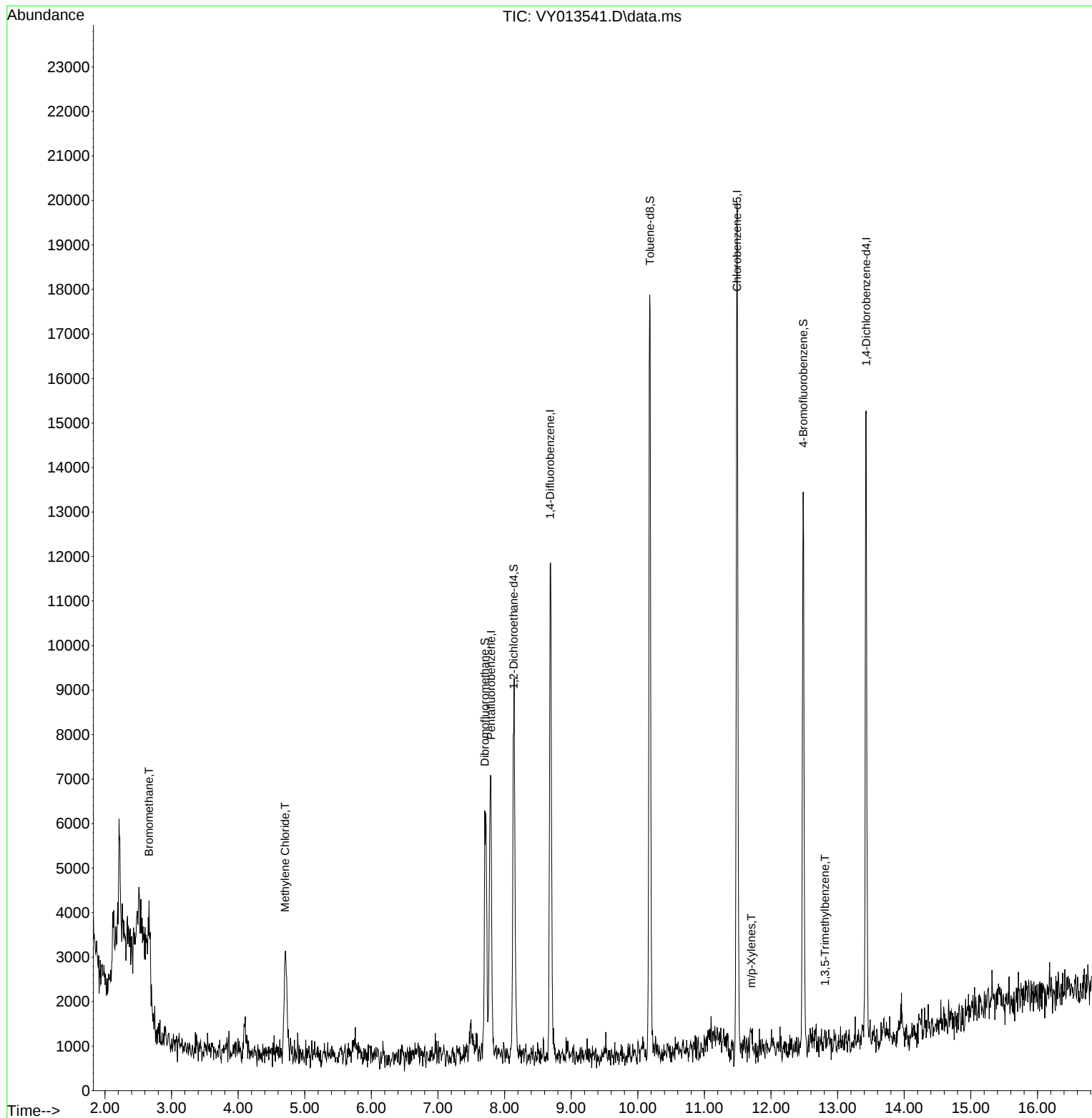
Internal Standards						
1) Pentafluorobenzene	7.795	168	5772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	9713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	10163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	6908	109.176	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 218.360%#	
35) Dibromofluoromethane	7.703	113	4105	67.196	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.400%	
50) Toluene-d8	10.185	98	12192	56.101	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.200%	
62) 4-Bromofluorobenzene	12.483	95	3801	51.880	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.760%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	802	13.742	ug/l	91
20) Methylene Chloride	4.704	84	1601	14.817	ug/l #	75
68) m/p-Xylenes	11.703	106	176	1.191	ug/l #	63
80) 1,3,5-Trimethylbenzene	12.812	105	263	1.103	ug/l	70

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

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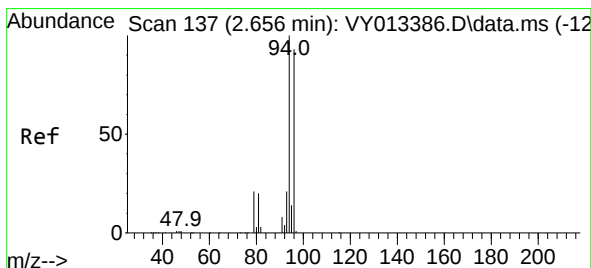
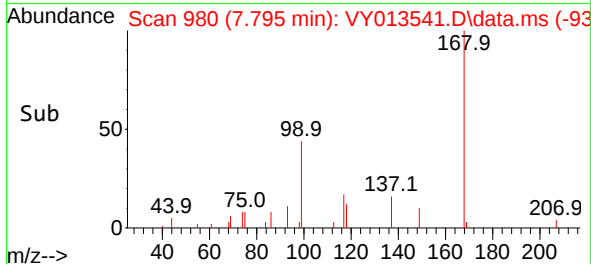
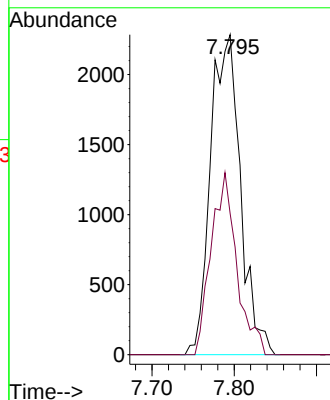
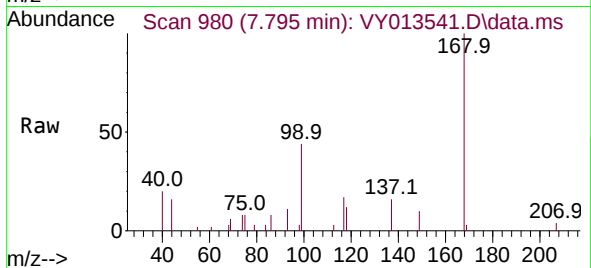




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

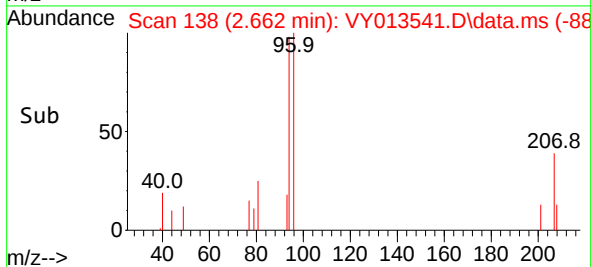
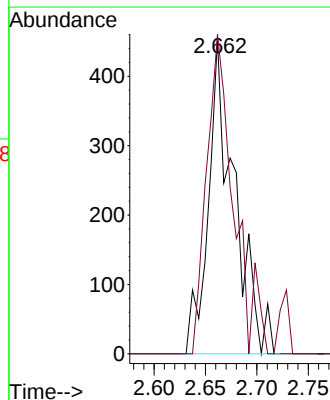
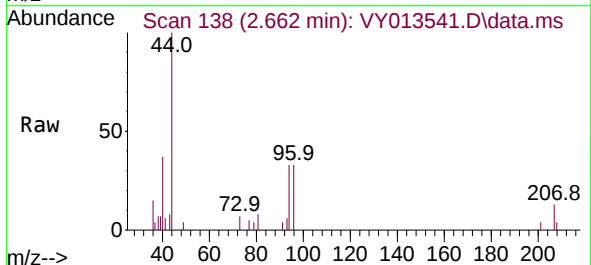
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-042823

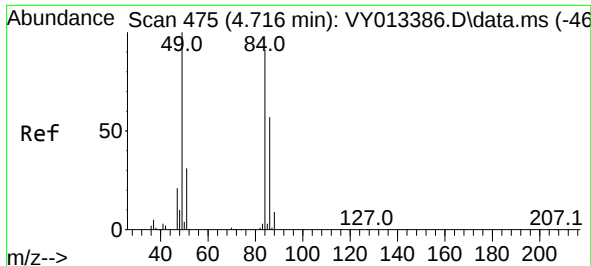
Tgt Ion:168 Resp: 5772
Ion Ratio Lower Upper
168 100
99 44.2 41.8 62.6



#5
Bromomethane
Concen: 13.742 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

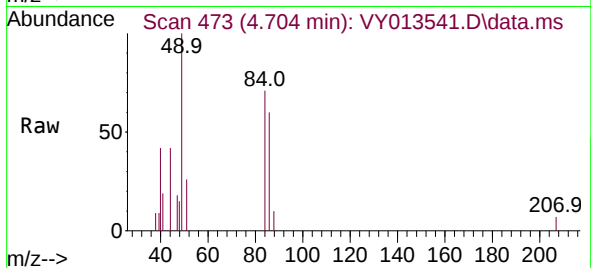
Tgt Ion: 94 Resp: 802
Ion Ratio Lower Upper
94 100
96 101.5 74.2 111.2



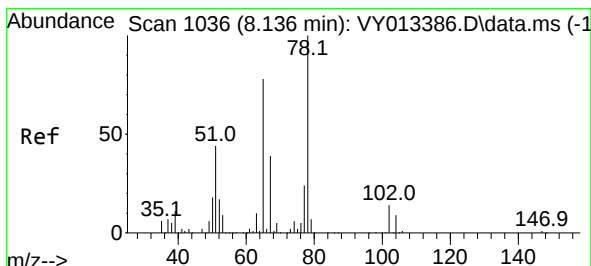
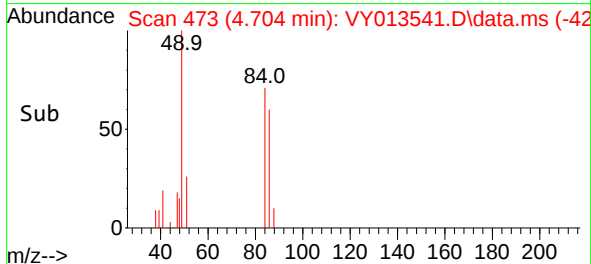
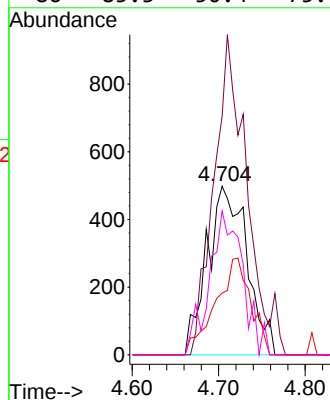


#20
Methylene Chloride
Concen: 14.817 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-042823

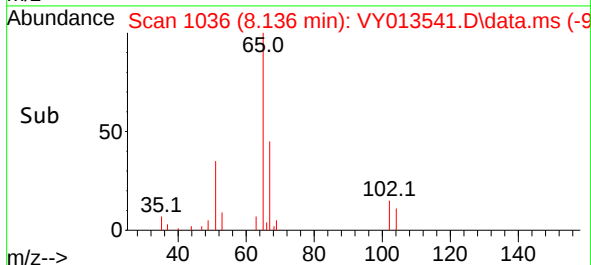
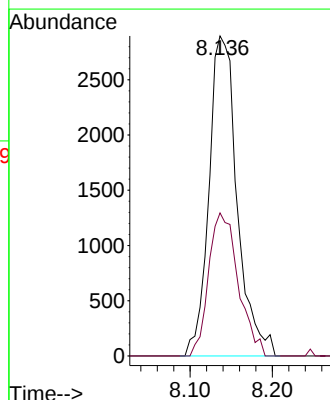
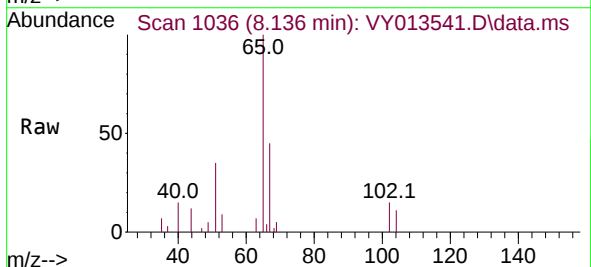


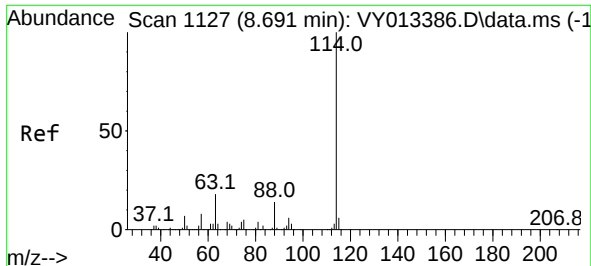
Tgt Ion: 84 Resp: 1601
Ion Ratio Lower Upper
84 100
49 141.6 88.0 132.0#
51 36.7 27.4 41.0
86 85.3 50.4 75.6#



#33
1,2-Dichloroethane-d4
Concen: 109.176 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

Tgt Ion: 65 Resp: 6908
Ion Ratio Lower Upper
65 100
67 46.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013541.D

Acq: 01 May 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

HR-03-042823

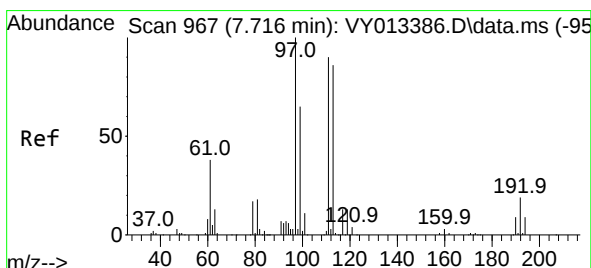
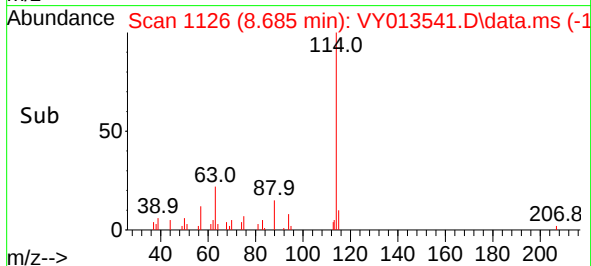
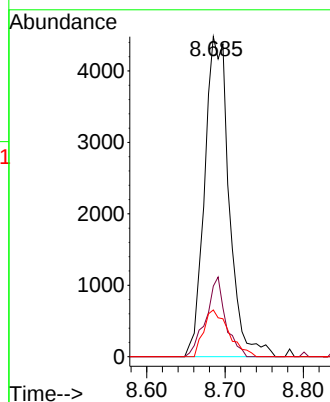
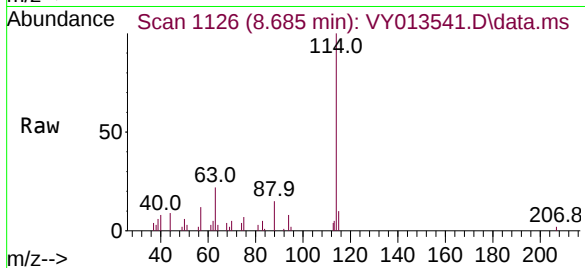
Tgt Ion:114 Resp: 9713

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.6

88 14.6 0.0 28.8



#35

Dibromofluoromethane

Concen: 67.196 ug/l

RT: 7.703 min Scan# 965

Delta R.T. -0.013 min

Lab File: VY013541.D

Acq: 01 May 2023 16:27

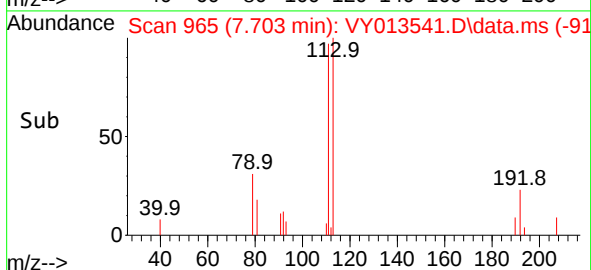
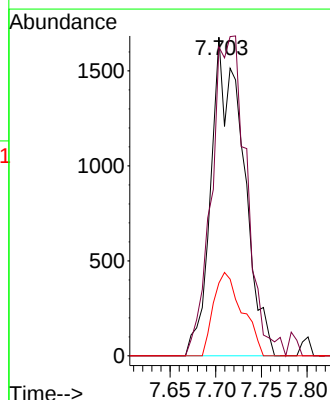
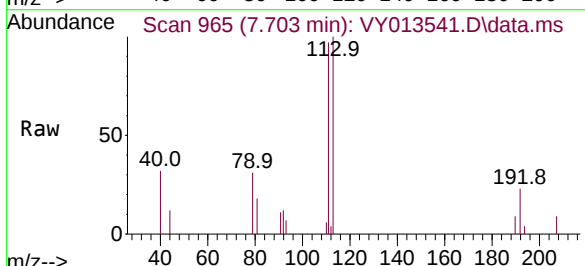
Tgt Ion:113 Resp: 4105

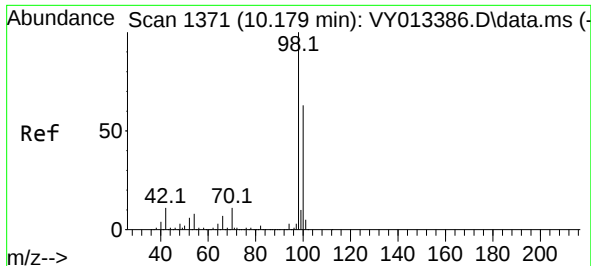
Ion Ratio Lower Upper

113 100

111 108.4 82.2 123.2

192 23.4 16.7 25.1

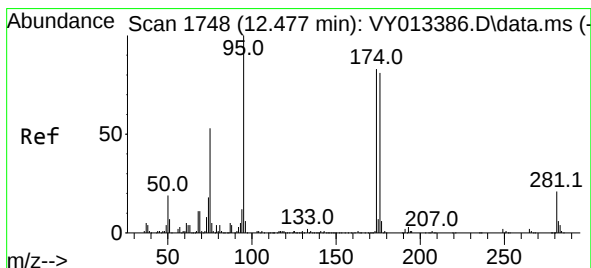
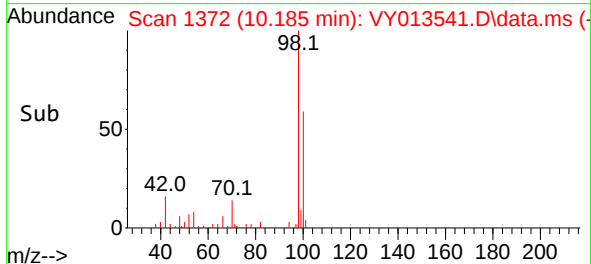
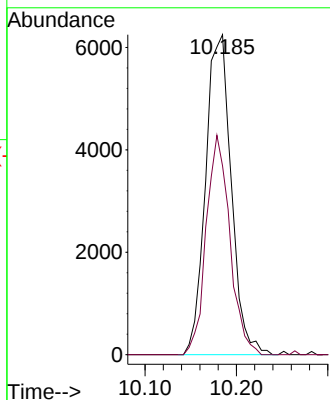
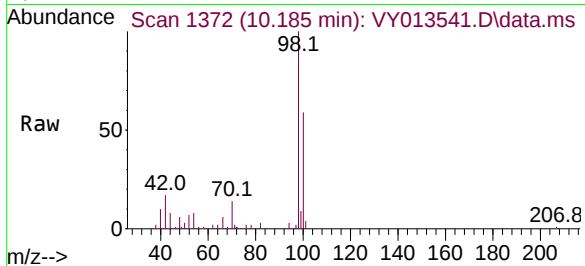




#50
Toluene-d8
Concen: 56.101 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

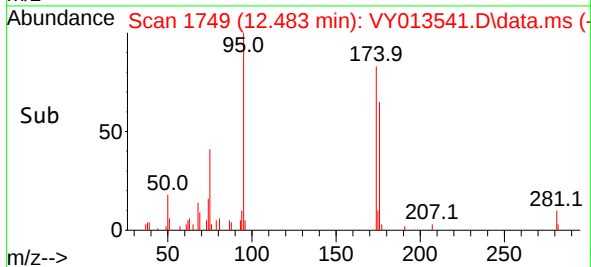
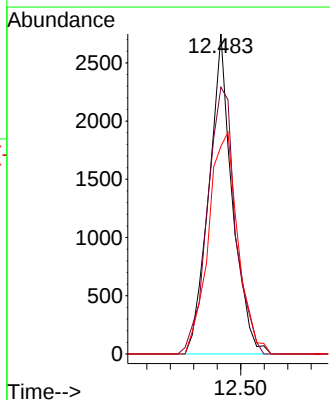
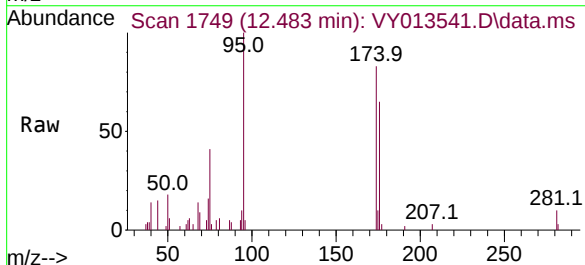
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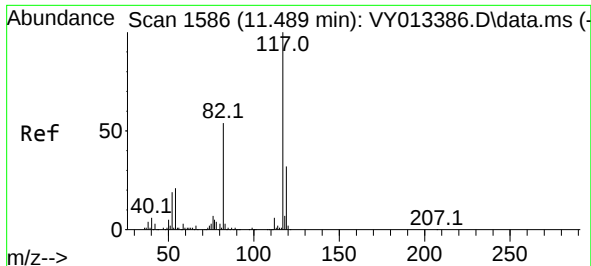
Tgt Ion: 98 Resp: 12192
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 51.880 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

Tgt Ion: 95 Resp: 3801
Ion Ratio Lower Upper
95 100
174 99.4 0.0 182.0
176 87.4 0.0 175.4

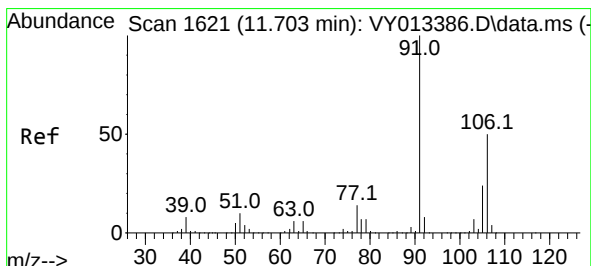
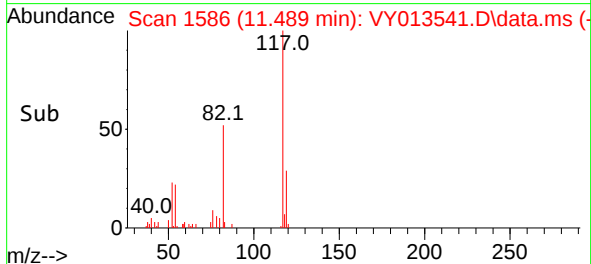
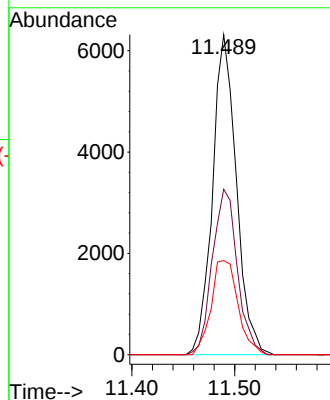
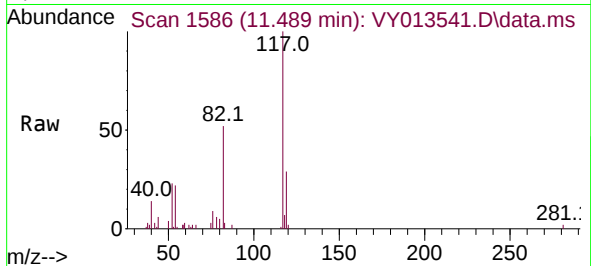




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

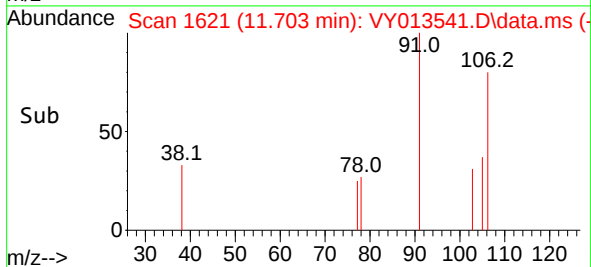
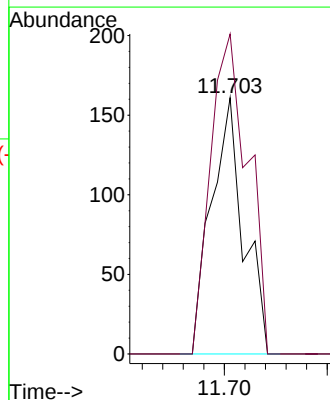
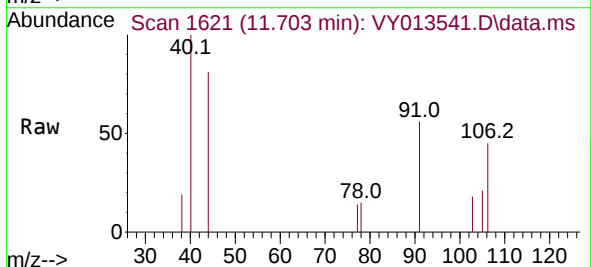
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-042823

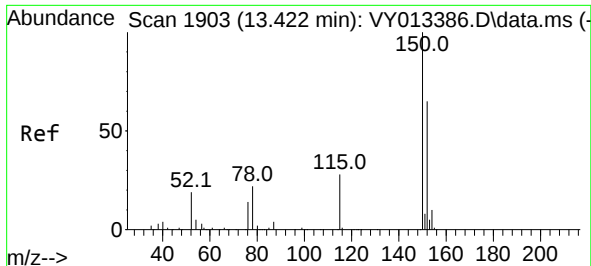
Tgt Ion:117	Resp:	10163
Ion	Ratio	Lower Upper
117	100	
82	51.7	43.0 64.6
119	29.4	25.5 38.3



#68
m/p-Xylenes
Concen: 1.191 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

Tgt Ion:106	Resp:	176
Ion	Ratio	Lower Upper
106	100	
91	144.9	160.9 241.3#

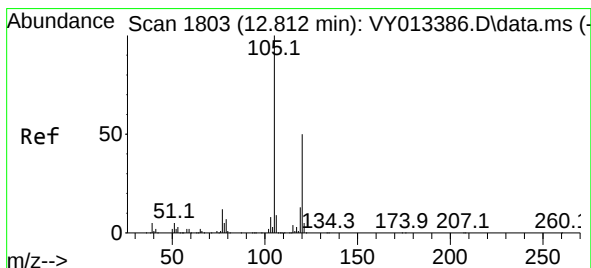
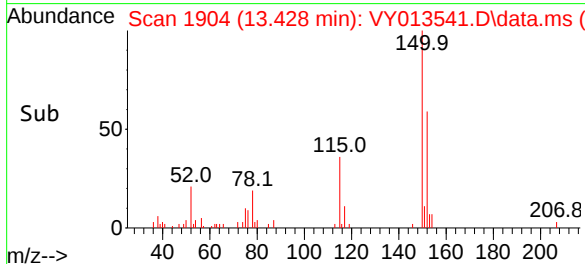
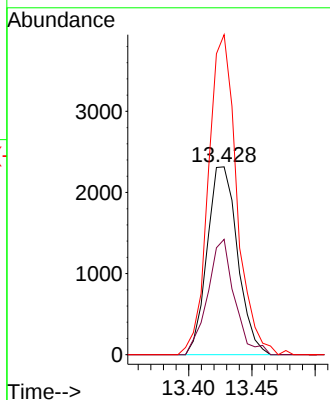
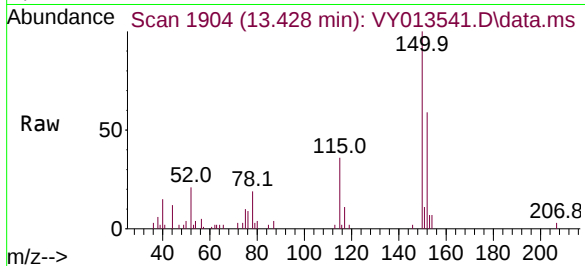




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY013541.D
 Acq: 01 May 2023 16:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-042823

Tgt Ion:152 Resp: 3864
 Ion Ratio Lower Upper
 152 100
 115 54.4 28.1 84.2
 150 159.8 0.0 352.0



#80
 1,3,5-Trimethylbenzene
 Concen: 1.103 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY013541.D
 Acq: 01 May 2023 16:27

Tgt Ion:105 Resp: 263
 Ion Ratio Lower Upper
 105 100
 120 28.5 24.7 74.1

