

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
 Data File : VY015292.D
 Acq On : 23 Aug 2023 19:43
 Operator : SY/MD
 Sample : 04119-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB21153

Quant Time: Aug 24 02:36:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

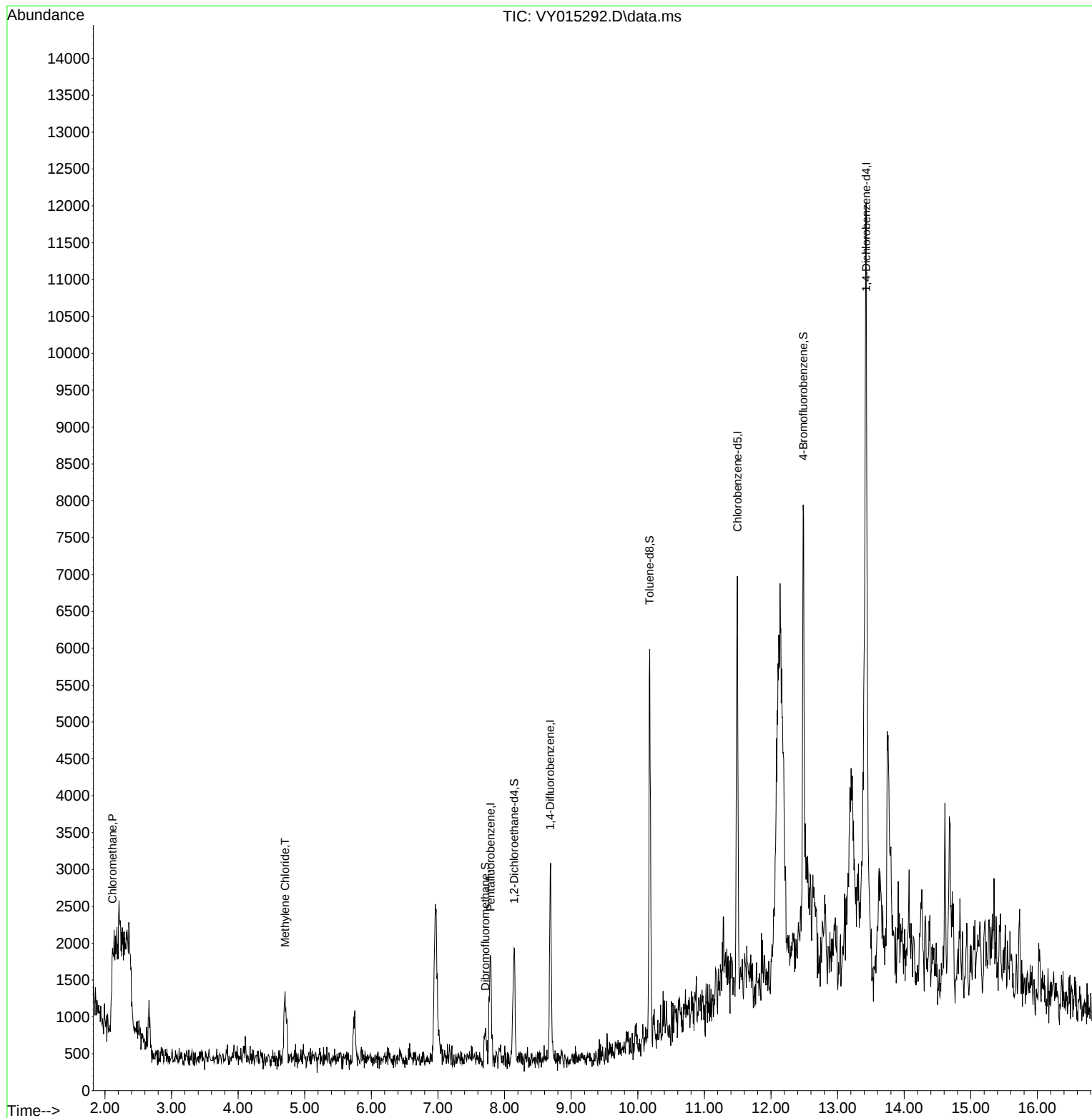
Internal Standards						
1) Pentafluorobenzene	7.789	168	1600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	2754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	3147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	1375	71.590	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.180%	
35) Dibromofluoromethane	7.710	113	377	21.278	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 42.560%#	
50) Toluene-d8	10.179	98	3618	54.856	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.720%	
62) 4-Bromofluorobenzene	12.483	95	1861	77.253	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 154.500%#	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	270	26.459	ug/l #	79
20) Methylene Chloride	4.704	84	609	39.581	ug/l #	80

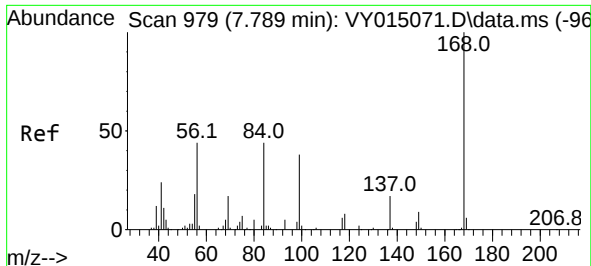
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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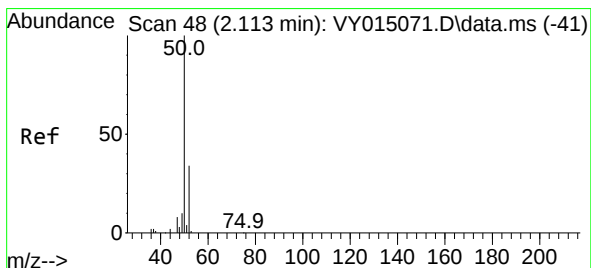
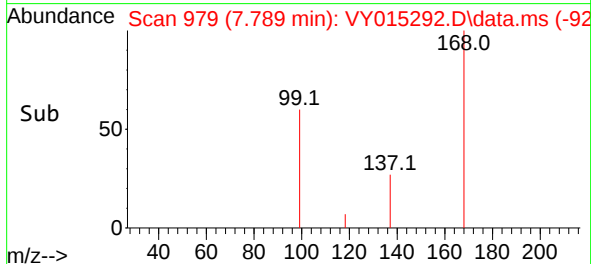
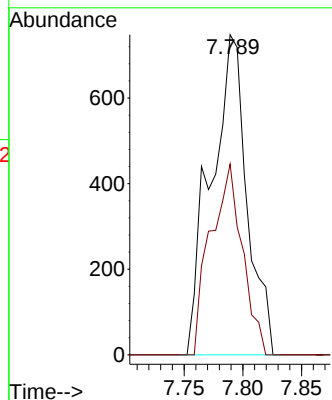
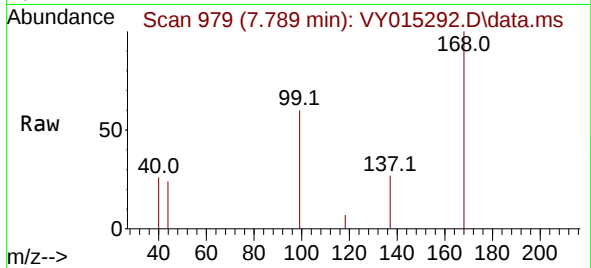




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015292.D
Acq: 23 Aug 2023 19:43

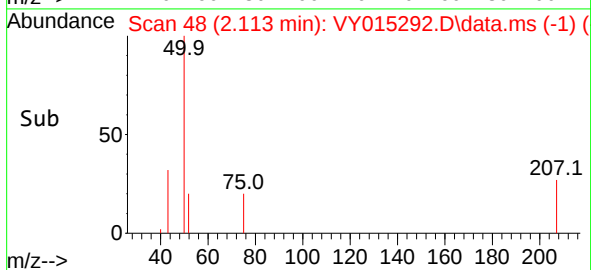
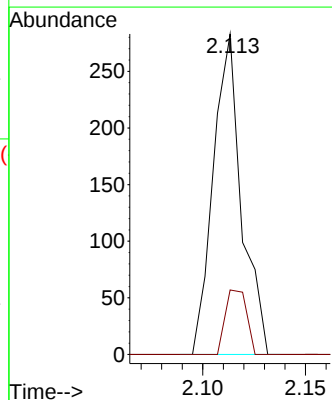
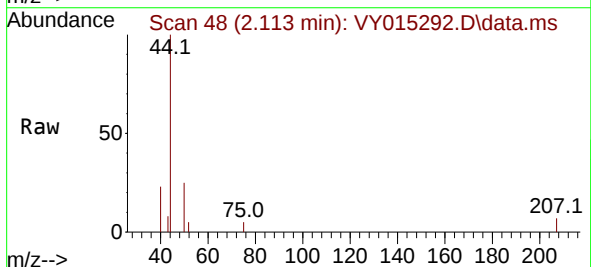
Instrument :
MSVOA_Y
ClientSampleId :
RB21153

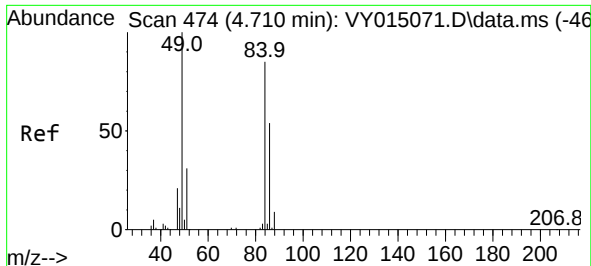
Tgt Ion:168 Resp: 1600
Ion Ratio Lower Upper
168 100
99 59.6 43.4 65.0



#3
Chloromethane
Concen: 26.459 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015292.D
Acq: 23 Aug 2023 19:43

Tgt Ion: 50 Resp: 270
Ion Ratio Lower Upper
50 100
52 20.1 25.4 38.2#

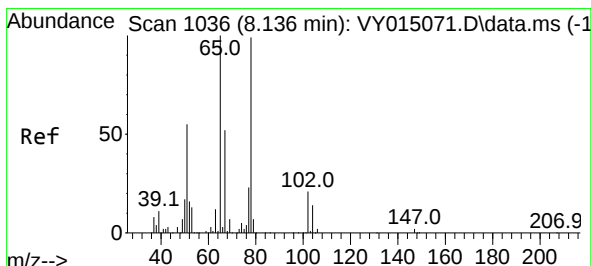
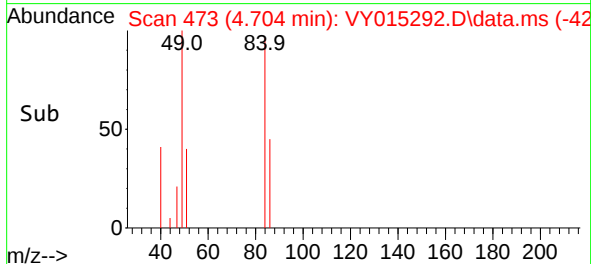
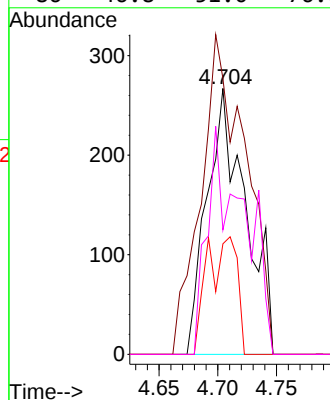
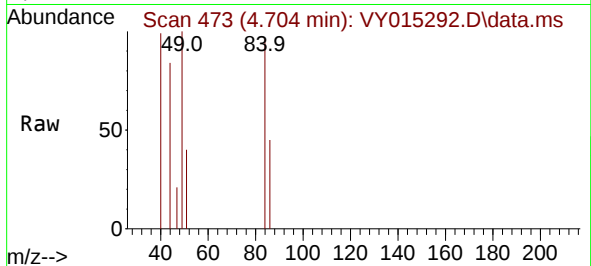




#20
Methylene Chloride
Concen: 39.581 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015292.D
Acq: 23 Aug 2023 19:43

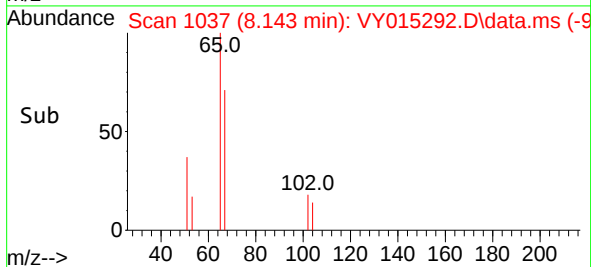
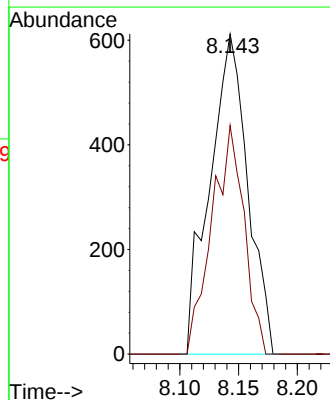
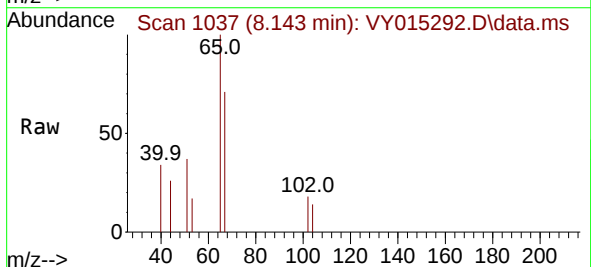
Instrument :
MSVOA_Y
ClientSampleId :
RB21153

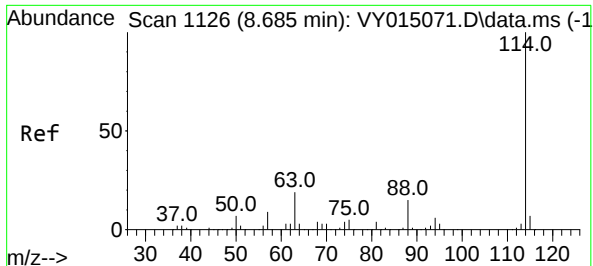
Tgt Ion: 84 Resp: 609
Ion Ratio Lower Upper
84 100
49 103.7 106.9 160.3#
51 41.6 33.2 49.8
86 46.8 51.0 76.6#



#33
1,2-Dichloroethane-d4
Concen: 71.590 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015292.D
Acq: 23 Aug 2023 19:43

Tgt Ion: 65 Resp: 1375
Ion Ratio Lower Upper
65 100
67 60.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015292.D

Acq: 23 Aug 2023 19:43

Instrument :

MSVOA_Y

ClientSampleId :

RB21153

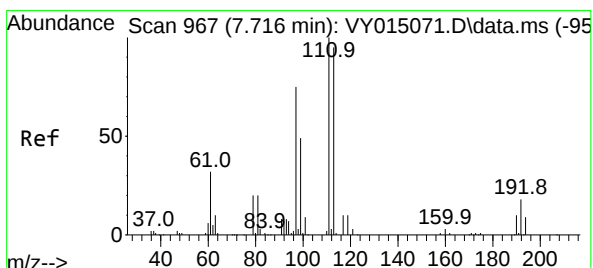
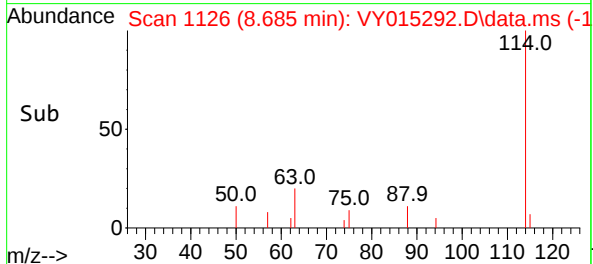
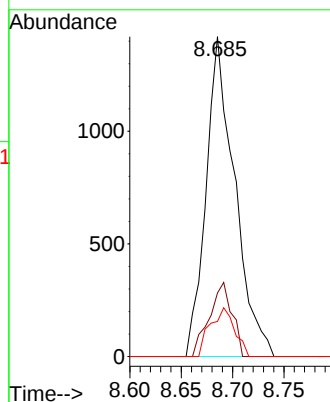
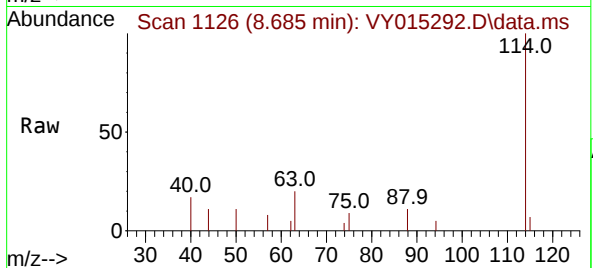
Tgt Ion:114 Resp: 2754

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 11.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 21.278 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015292.D

Acq: 23 Aug 2023 19:43

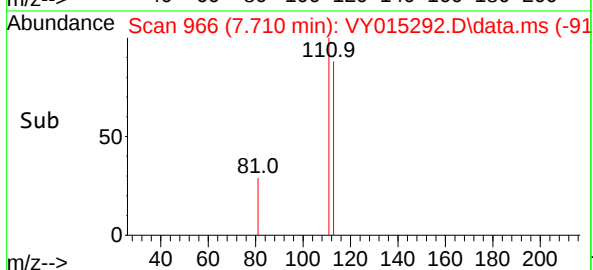
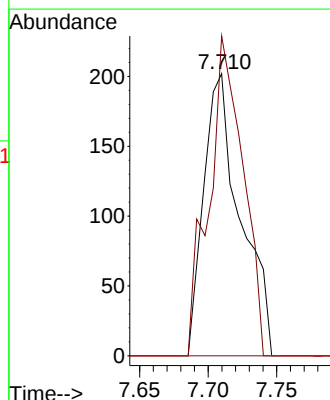
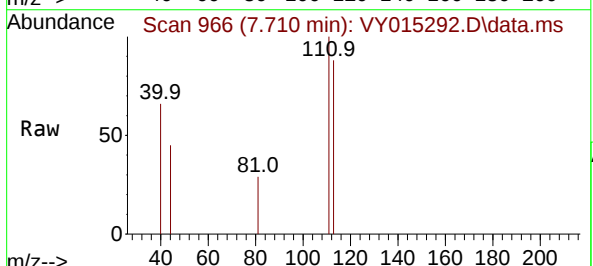
Tgt Ion:113 Resp: 377

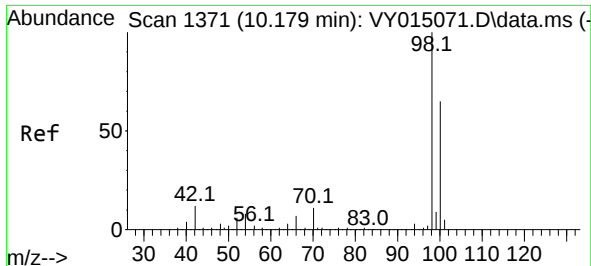
Ion Ratio Lower Upper

113 100

111 105.0 81.3 121.9

192 0.0 16.9 25.3#

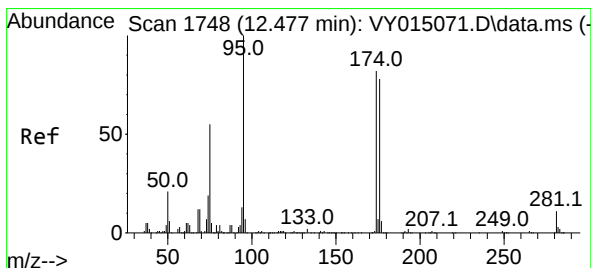
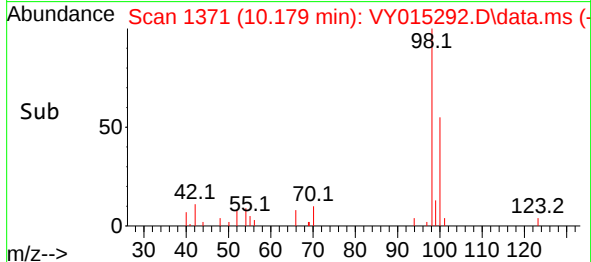
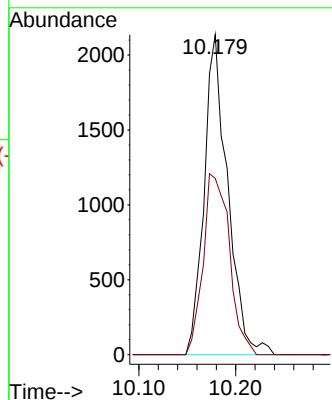
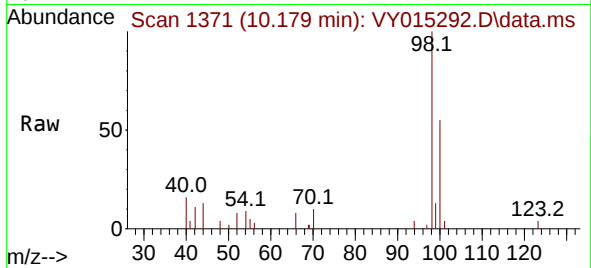




#50
Toluene-d8
Concen: 54.856 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015292.D
Acq: 23 Aug 2023 19:43

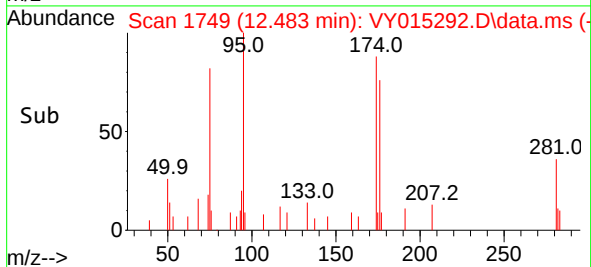
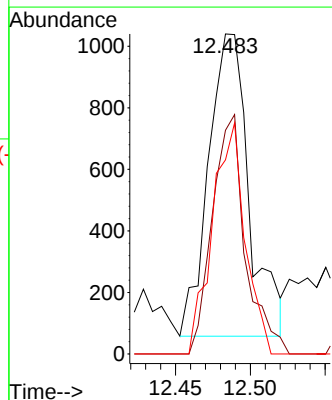
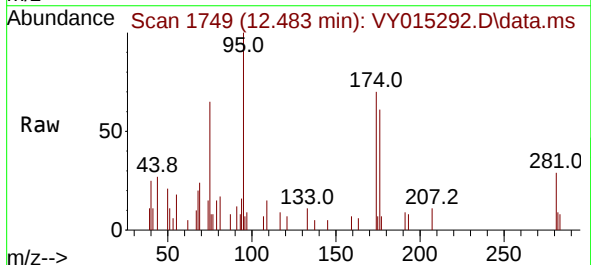
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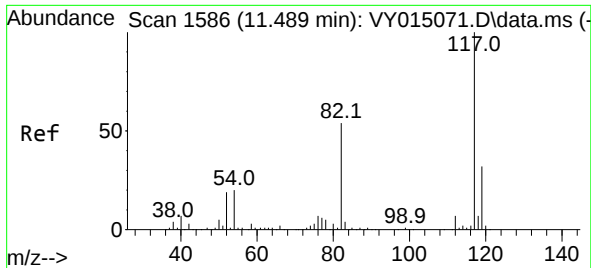
Tgt Ion: 98 Resp: 3618
Ion Ratio Lower Upper
98 100
100 63.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 77.253 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015292.D
Acq: 23 Aug 2023 19:43

Tgt Ion: 95 Resp: 1861
Ion Ratio Lower Upper
95 100
174 64.1 0.0 178.2
176 61.4 0.0 173.8

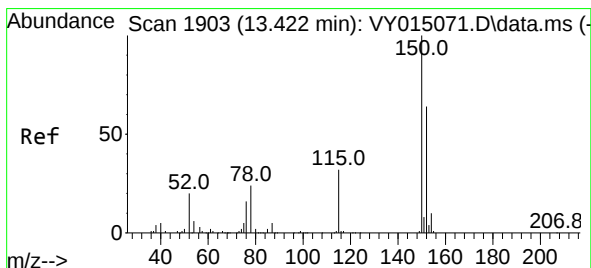
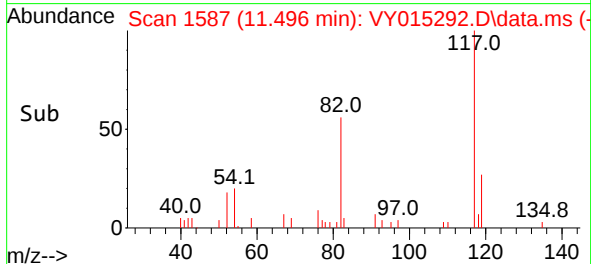
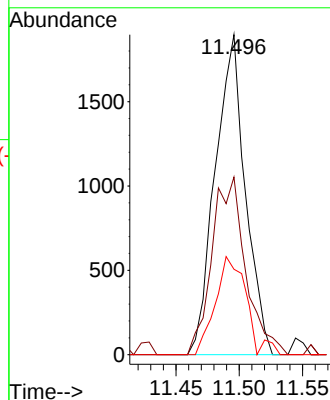
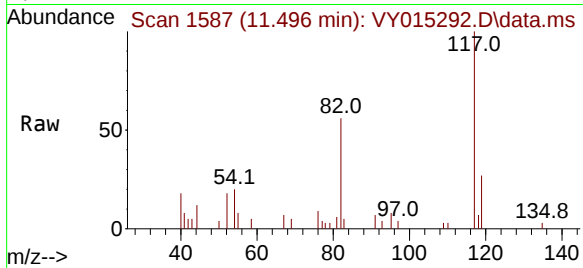




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015292.D
Acq: 23 Aug 2023 19:43

Instrument :
MSVOA_Y
ClientSampleId :
RB21153

Tgt Ion:117 Resp: 3147
Ion Ratio Lower Upper
117 100
82 55.5 43.4 65.0
119 26.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015292.D
Acq: 23 Aug 2023 19:43

Tgt Ion:152 Resp: 1445
Ion Ratio Lower Upper
152 100
115 71.8 28.8 86.5
150 147.7 0.0 348.8

