

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013665.D
 Acq On : 09 May 2023 14:01
 Operator : KP/MD
 Sample : 02681-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-207

Quant Time: May 10 05:36:44 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	29928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	44269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	39632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	14053	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	18459	56.264	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.520%
35) Dibromofluoromethane	7.716	113	15533	55.787	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.580%
50) Toluene-d8	10.179	98	51945	52.443	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.880%
62) 4-Bromofluorobenzene	12.483	95	13215	39.575	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.160%

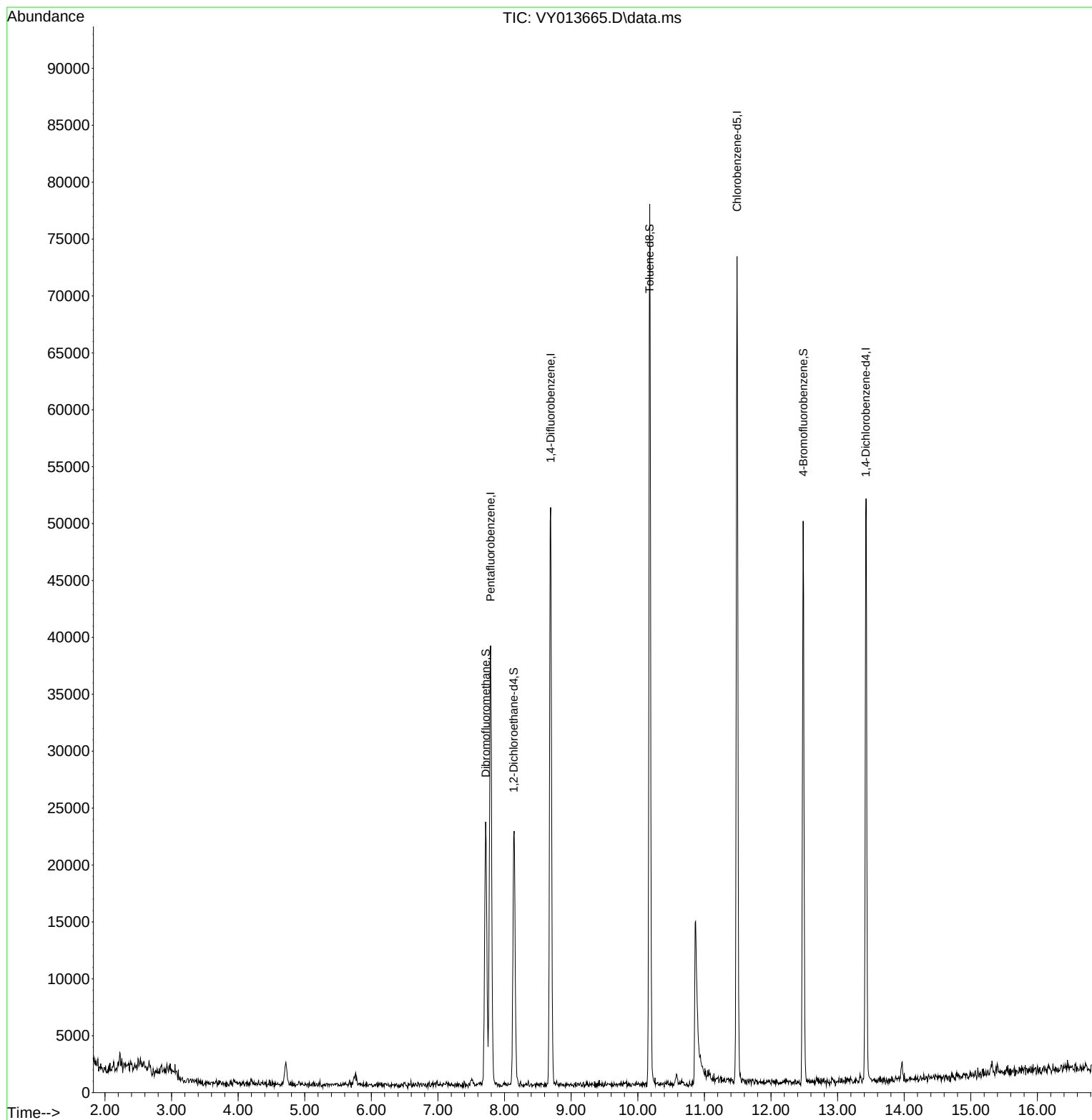
Target Compounds	Qvalue

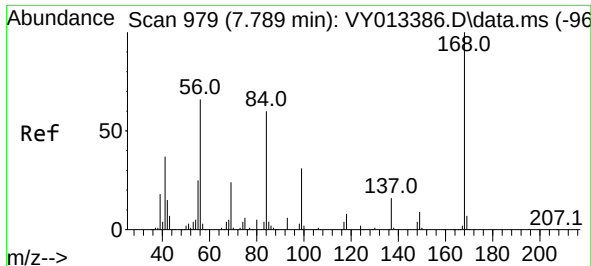
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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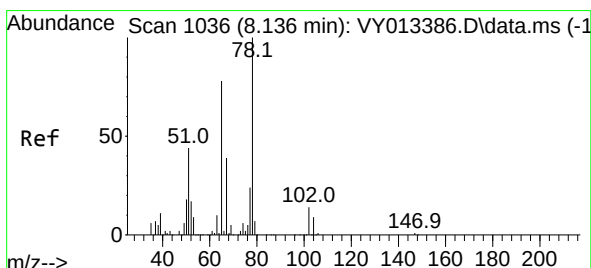
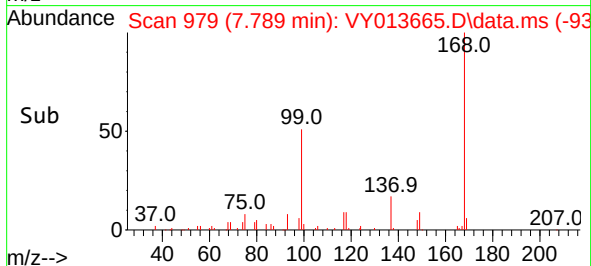
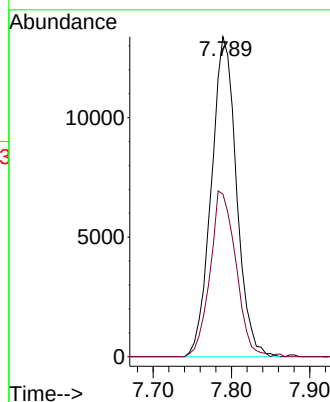
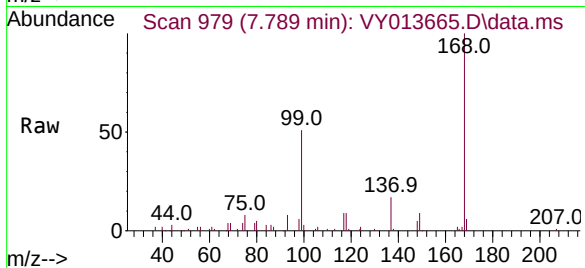




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

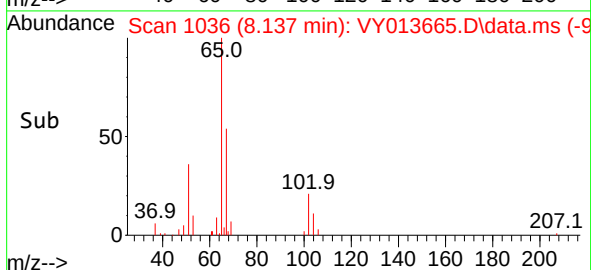
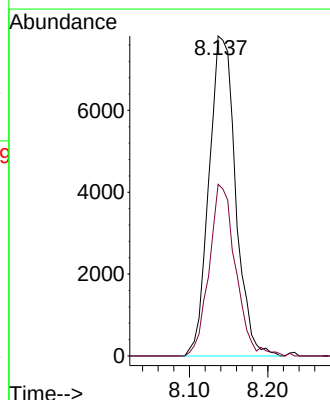
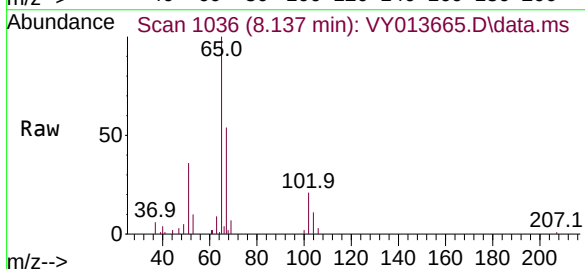
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

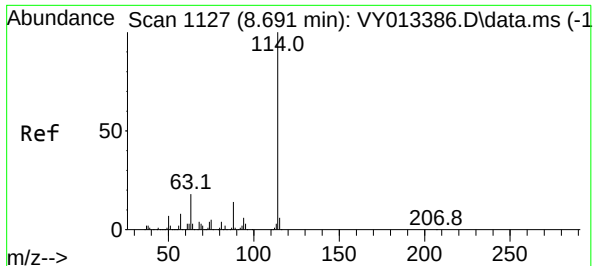
Tgt Ion:168 Resp: 29928
Ion Ratio Lower Upper
168 100
99 50.8 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 56.264 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

Tgt Ion: 65 Resp: 18459
Ion Ratio Lower Upper
65 100
67 53.2 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: VY013665.D

Acq: 09 May 2023 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207

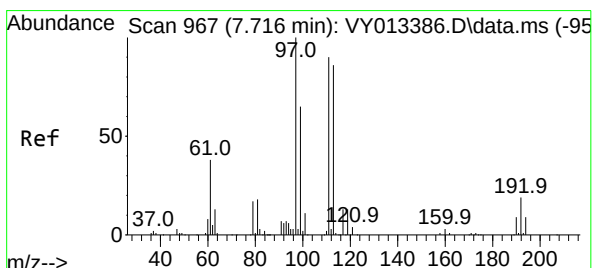
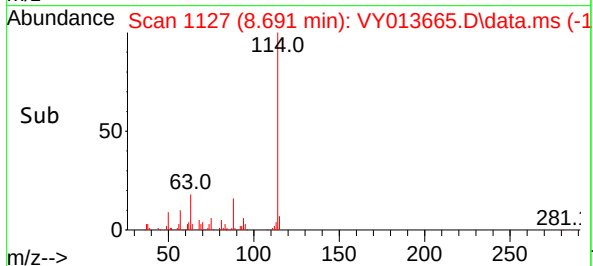
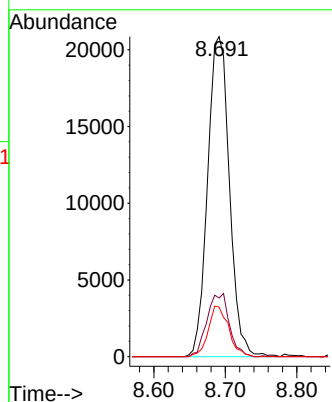
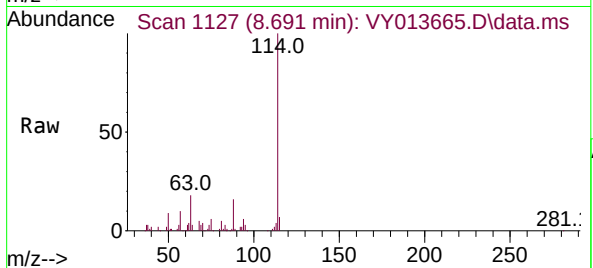
Tgt Ion:114 Resp: 44269

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.6

88 15.5 0.0 28.8



#35

Dibromofluoromethane

Concen: 55.787 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013665.D

Acq: 09 May 2023 14:01

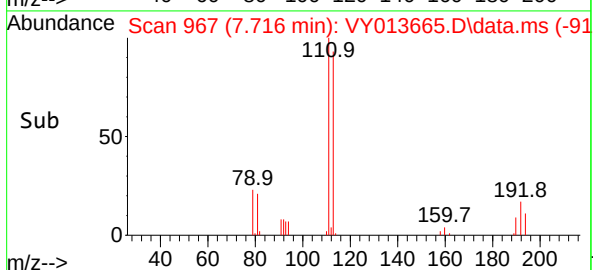
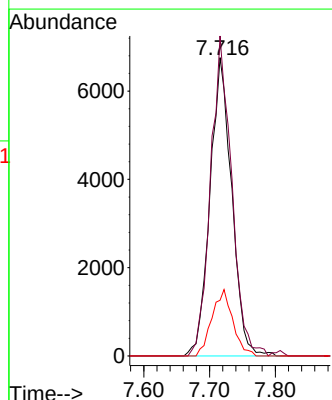
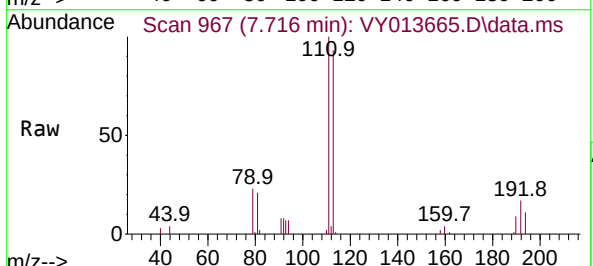
Tgt Ion:113 Resp: 15533

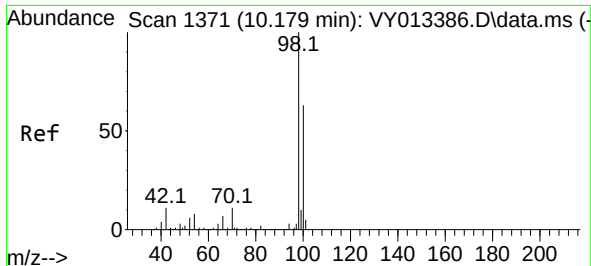
Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.2

192 21.4 16.7 25.1

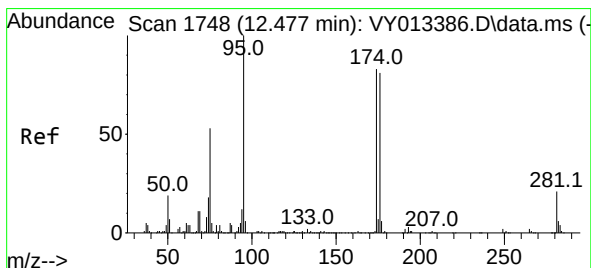
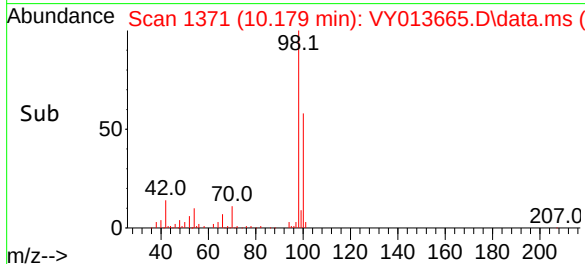
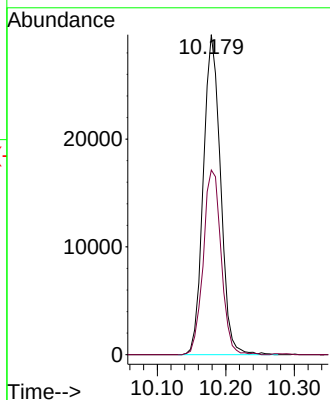
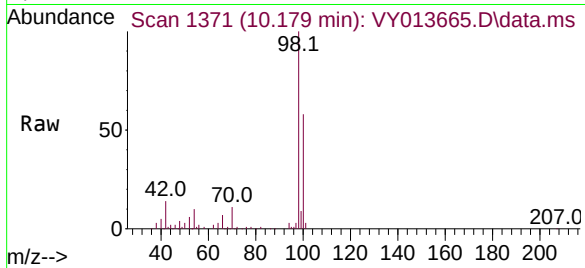




#50
Toluene-d8
Concen: 52.443 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

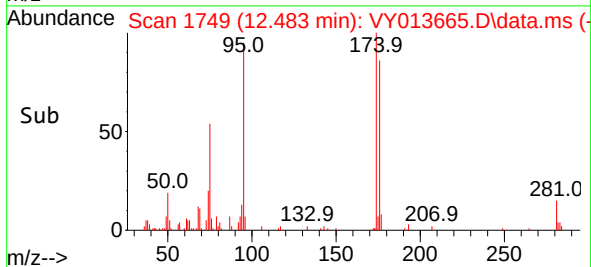
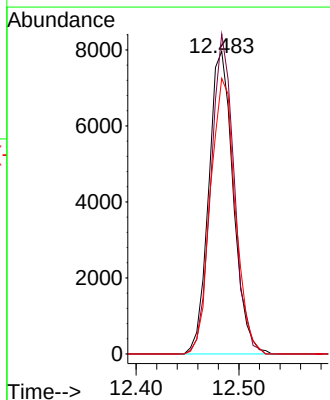
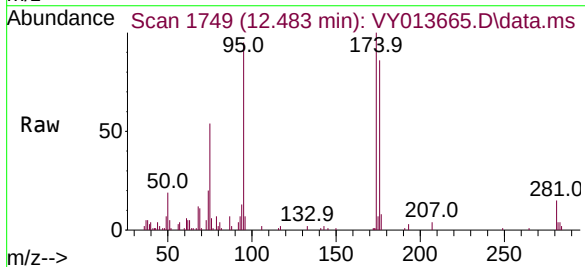
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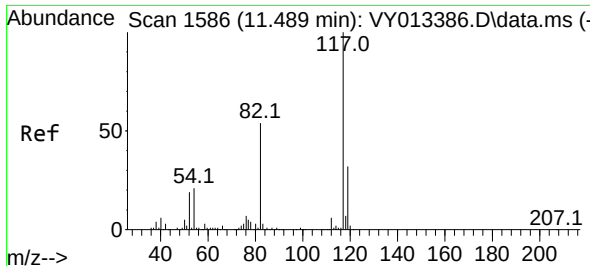
Tgt Ion: 98 Resp: 51945
Ion Ratio Lower Upper
98 100
100 59.9 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 39.575 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

Tgt Ion: 95 Resp: 13215
Ion Ratio Lower Upper
95 100
174 99.0 0.0 182.0
176 92.1 0.0 175.4

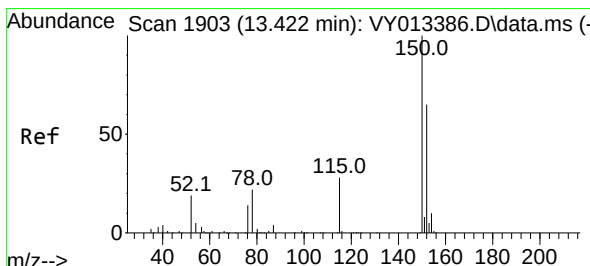
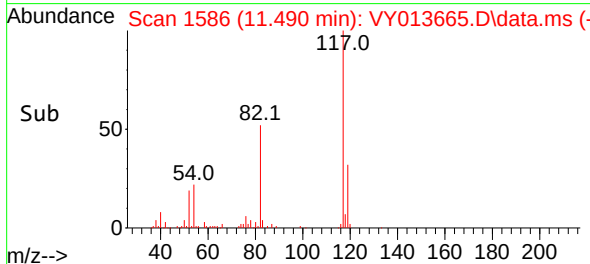
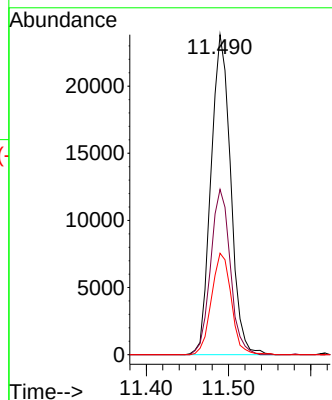
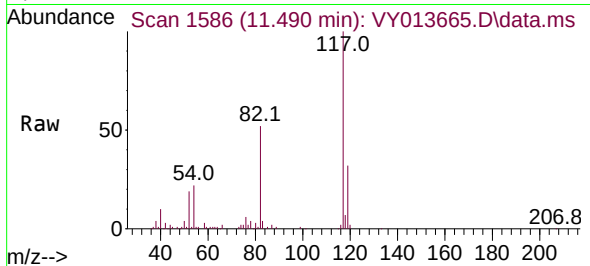




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

Tgt Ion:117 Resp: 39632
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.6
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

Tgt Ion:152 Resp: 14053
Ion Ratio Lower Upper
152 100
115 57.8 28.1 84.2
150 153.7 0.0 352.0

