

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071023\
 Data File : VY014617.D
 Acq On : 10 Jul 2023 15:54
 Operator : SY/MD
 Sample : 03564-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-225

Quant Time: Jul 11 03:19:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

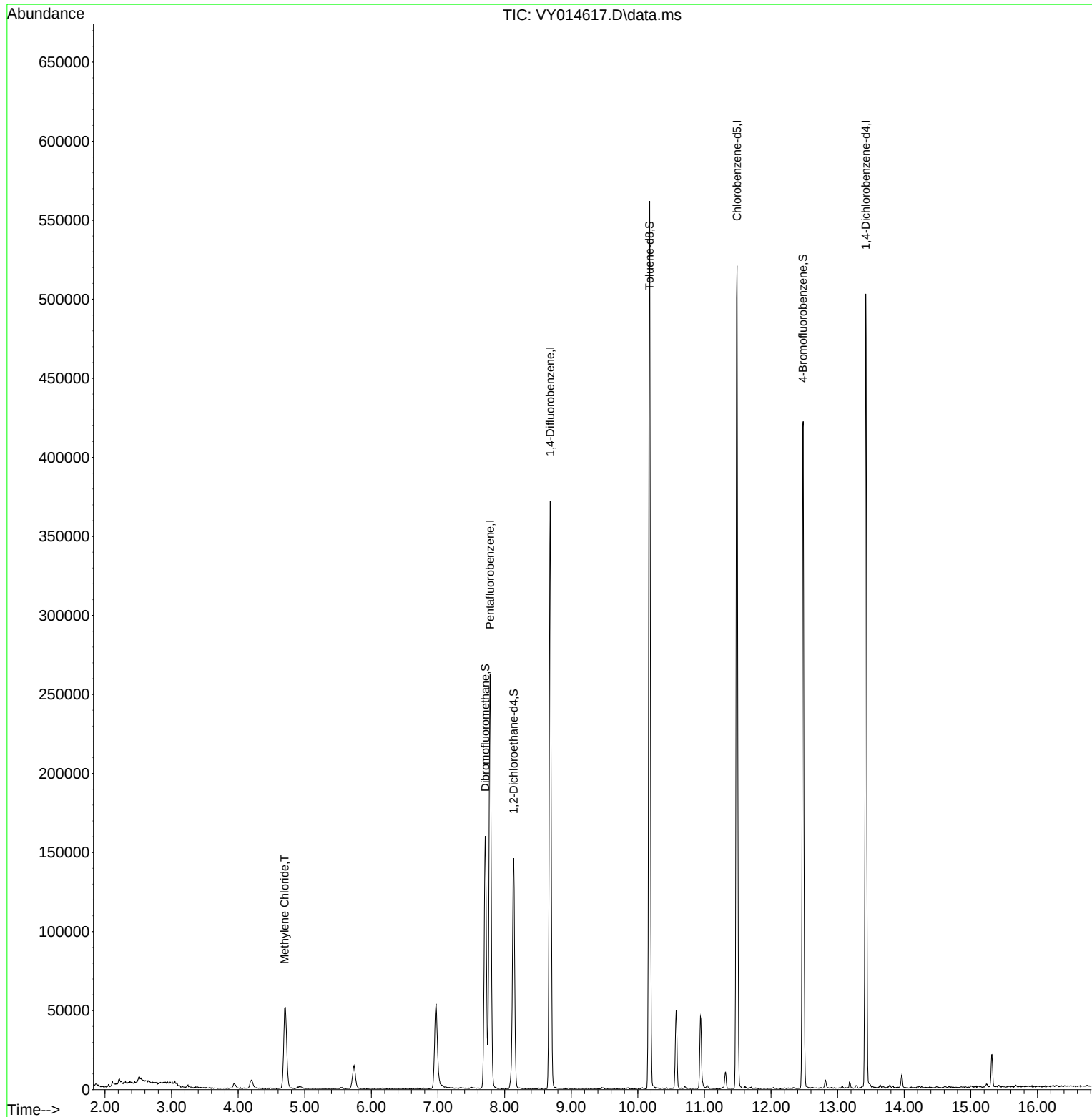
Internal Standards						
1) Pentafluorobenzene	7.783	168	218465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	327465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	310042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	143360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	113974	52.444	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.880%
35) Dibromofluoromethane	7.710	113	114589	56.824	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.640%
50) Toluene-d8	10.179	98	389343	48.841	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.680%
62) 4-Bromofluorobenzene	12.477	95	121512	43.897	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.800%
Target Compounds						
						Qvalue
20) Methylene Chloride	4.698	84	42271	13.467	ug/l #	82

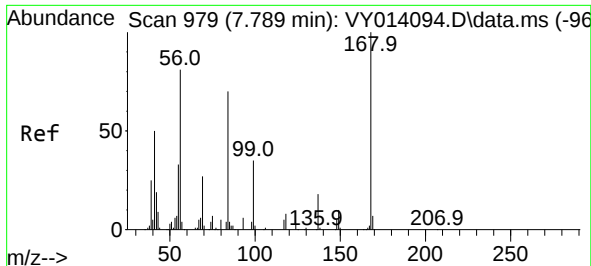
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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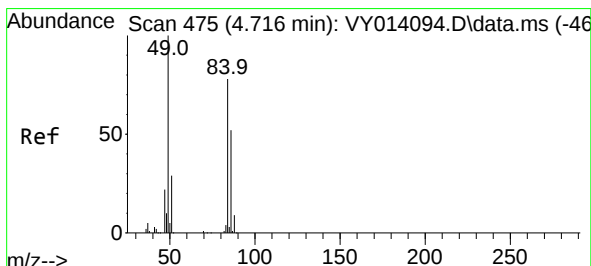
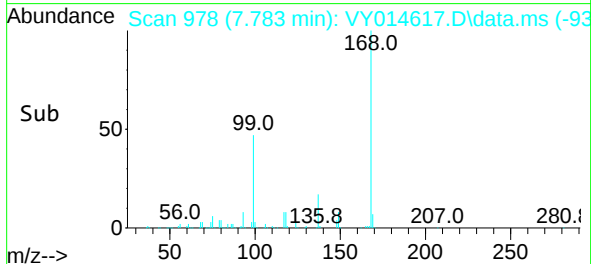
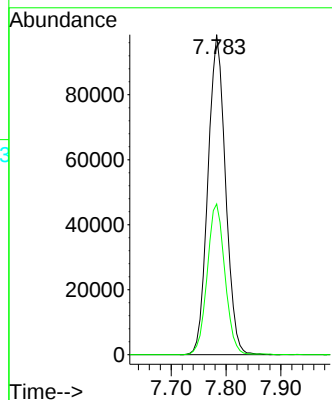
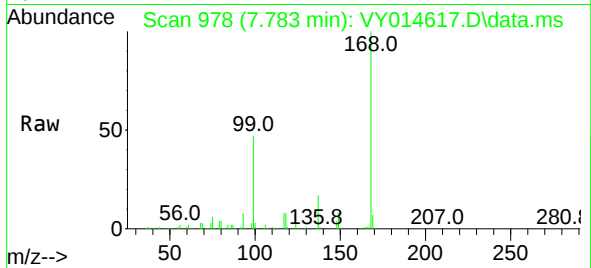




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

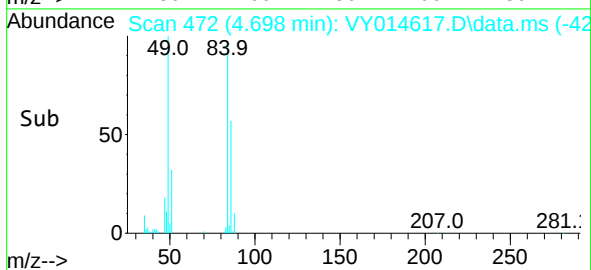
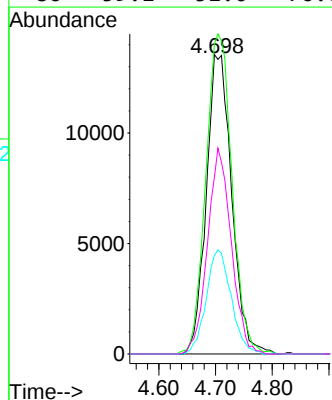
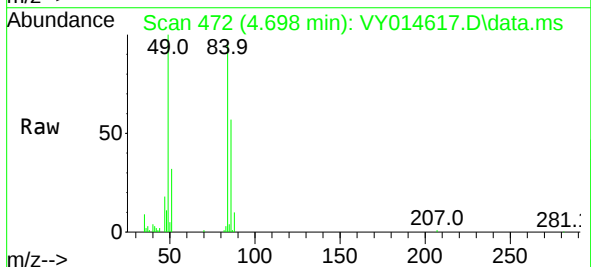
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-225

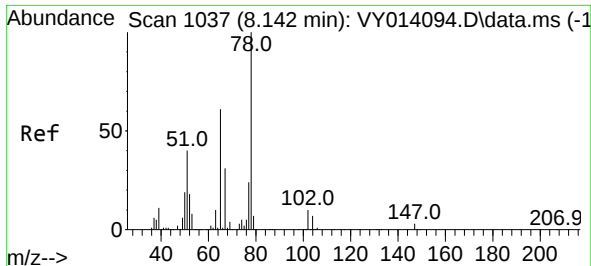
Tgt Ion:168 Resp: 218465
Ion Ratio Lower Upper
168 100
99 47.1 43.4 65.0



#20
Methylene Chloride
Concen: 13.467 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.018 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

Tgt Ion: 84 Resp: 42271
Ion Ratio Lower Upper
84 100
49 103.6 106.9 160.3#
51 32.9 33.2 49.8#
86 59.1 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 52.444 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.005 min

Lab File: VY014617.D

Acq: 10 Jul 2023 15:54

Instrument :

MSVOA_Y

ClientSampleId :

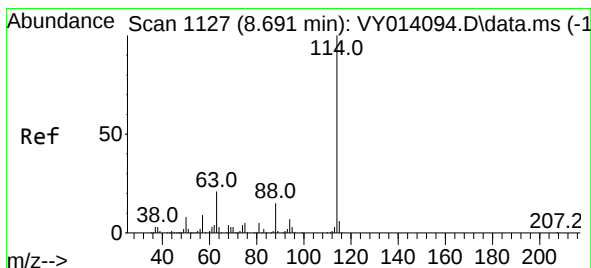
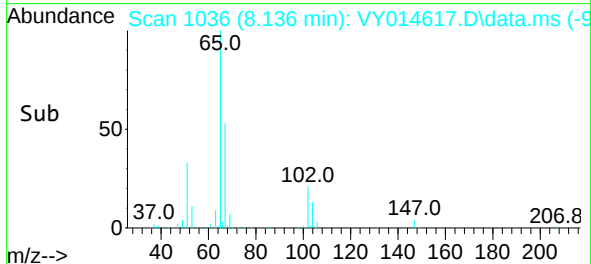
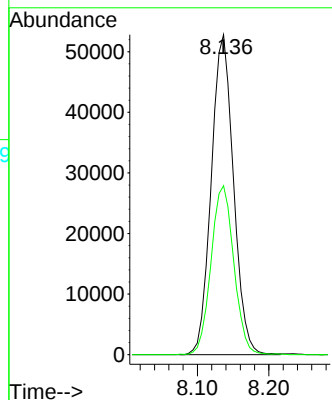
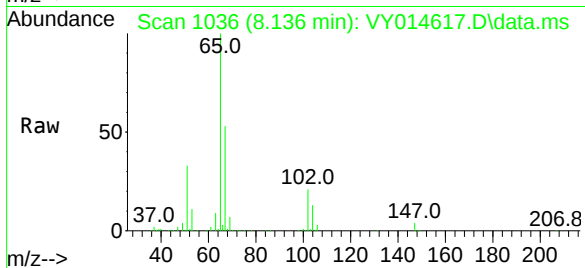
VNJ-225

Tgt Ion: 65 Resp: 113974

Ion Ratio Lower Upper

65 100

67 54.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014617.D

Acq: 10 Jul 2023 15:54

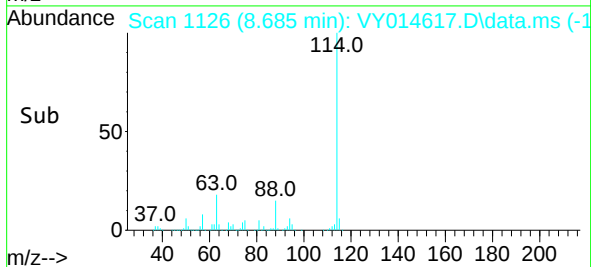
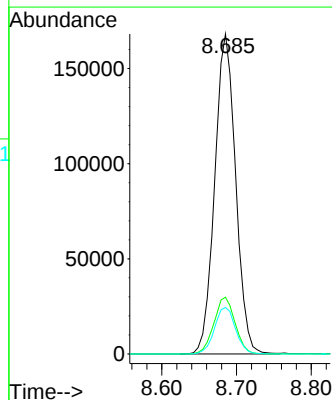
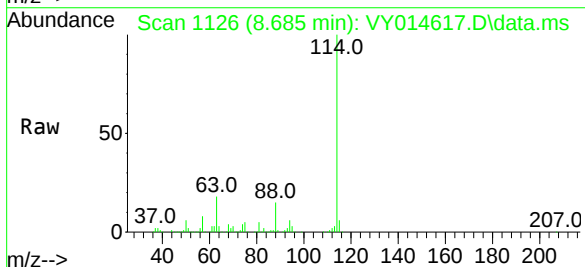
Tgt Ion: 114 Resp: 327465

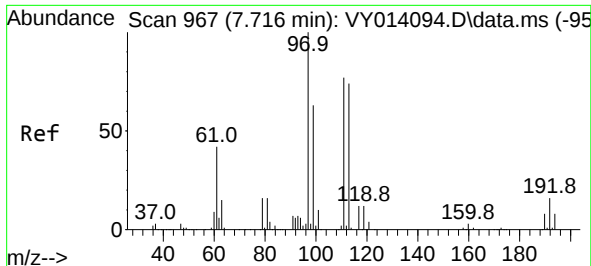
Ion Ratio Lower Upper

114 100

63 17.8 0.0 42.4

88 14.6 0.0 30.6

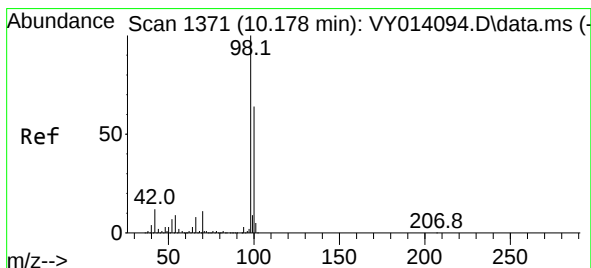
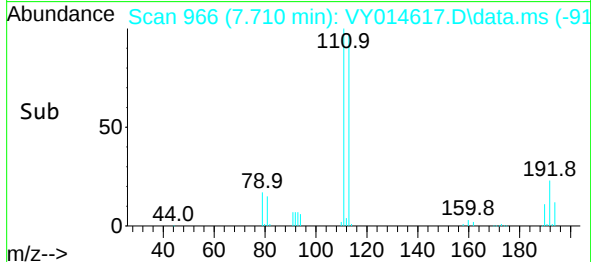
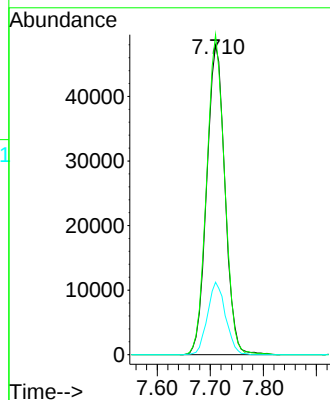
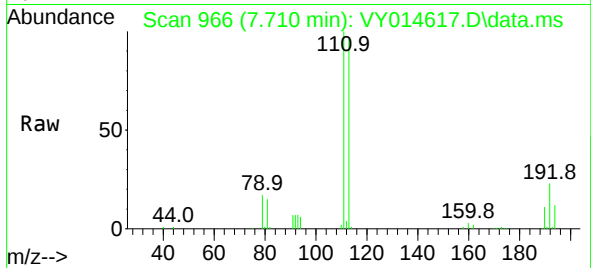




#35
Dibromofluoromethane
Concen: 56.824 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

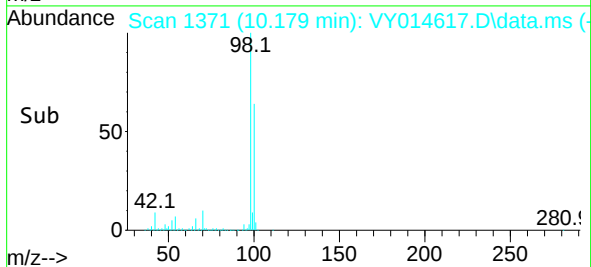
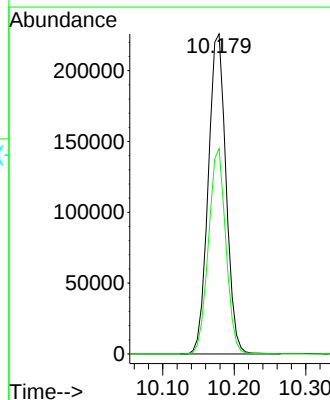
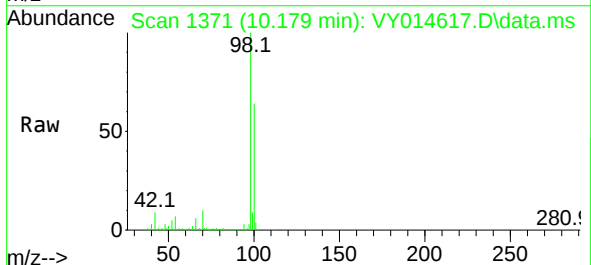
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-225

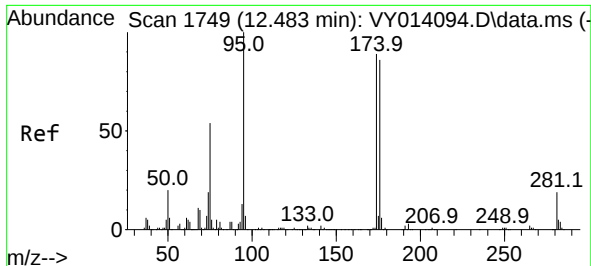
Tgt Ion:113 Resp: 114589
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 23.2 16.9 25.3



#50
Toluene-d8
Concen: 48.841 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

Tgt Ion: 98 Resp: 389343
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1

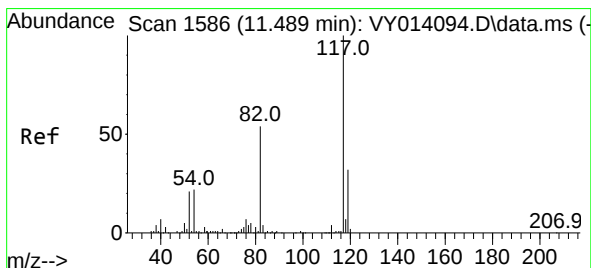
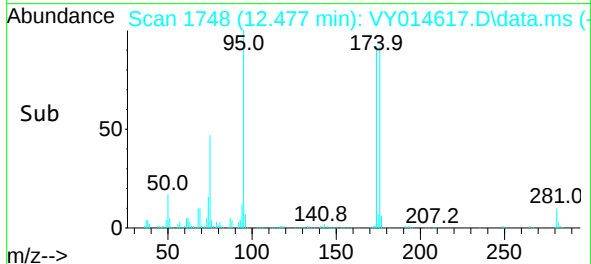
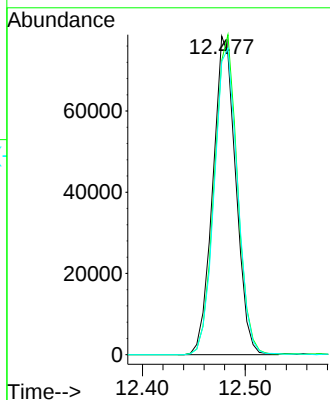
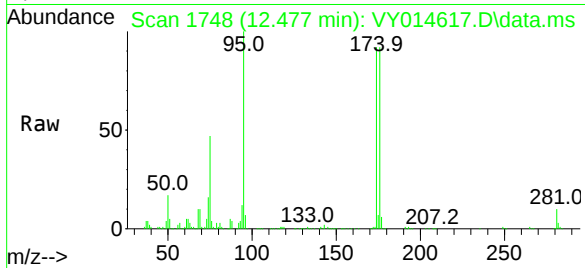




#62
4-Bromofluorobenzene
Concen: 43.897 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

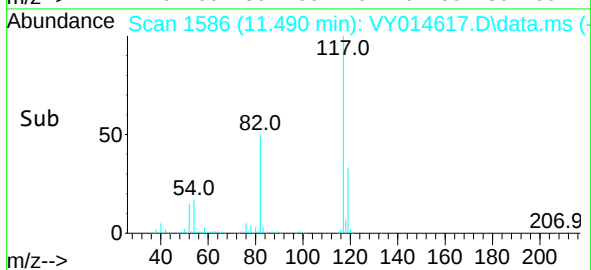
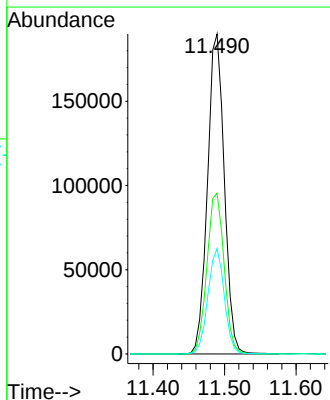
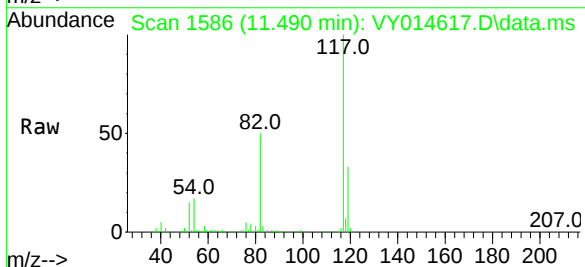
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-225

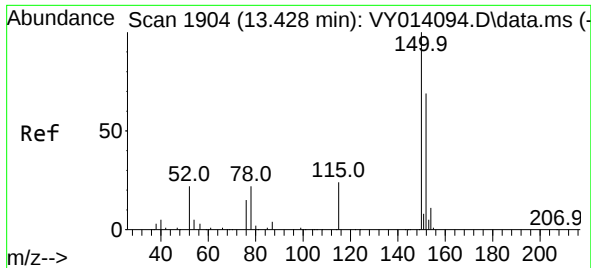
Tgt Ion: 95 Resp: 121512
Ion Ratio Lower Upper
95 100
174 100.6 0.0 178.2
176 97.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

Tgt Ion: 117 Resp: 310042
Ion Ratio Lower Upper
117 100
82 50.3 43.4 65.0
119 32.9 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014617.D

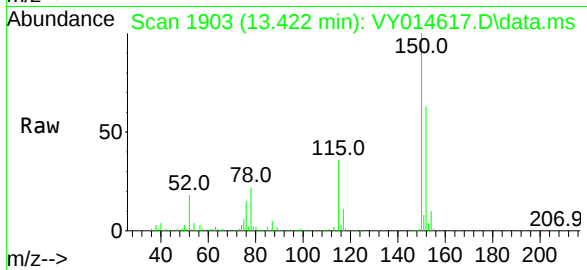
Acq: 10 Jul 2023 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-225



Tgt Ion:152 Resp: 143360

Ion Ratio Lower Upper

152 100

115 53.9 28.8 86.5

150 157.0 0.0 348.8

