

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083024\
 Data File : VY019403.D
 Acq On : 30 Aug 2024 18:10
 Operator : SY/MD
 Sample : P3750-02RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11978RE

Quant Time: Aug 30 23:18:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 02:45:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	25072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	39336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	29701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	6147	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	11036	46.472	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.940%
35) Dibromofluoromethane	7.622	113	12818	51.541	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.080%
50) Toluene-d8	10.109	98	40677	44.432	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.860%
62) 4-Bromofluorobenzene	12.408	95	8394	28.348	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	56.700%

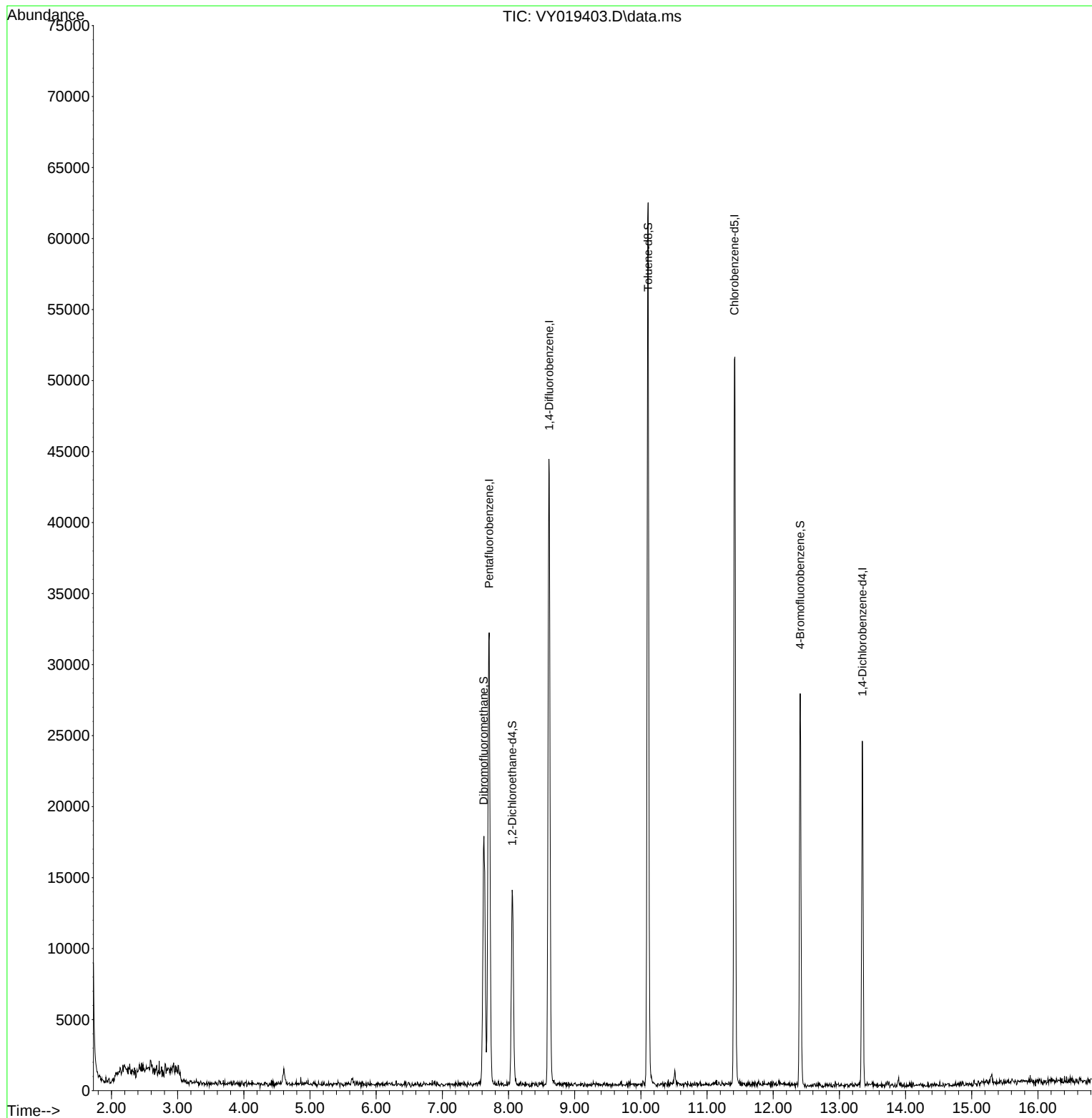
Target Compounds	Qvalue

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

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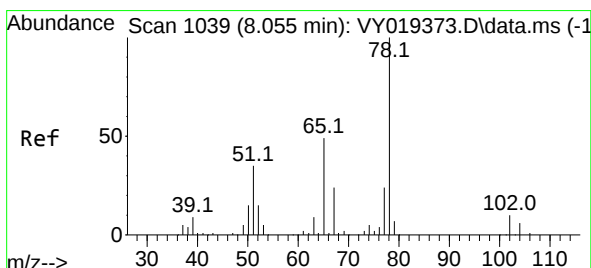
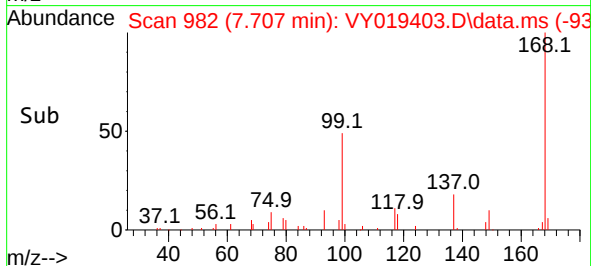
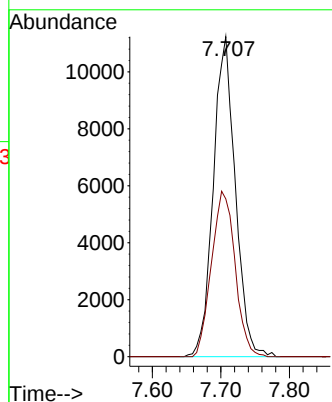
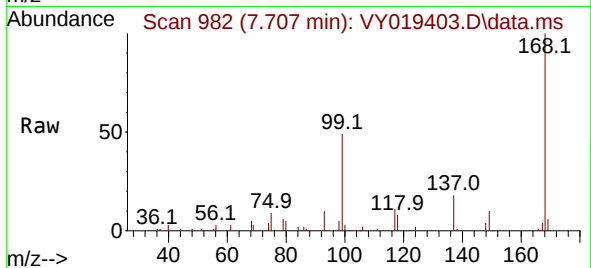




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019403.D
Acq: 30 Aug 2024 18:10

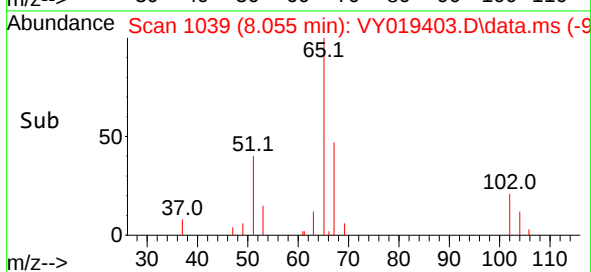
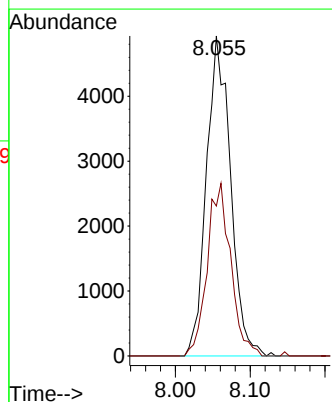
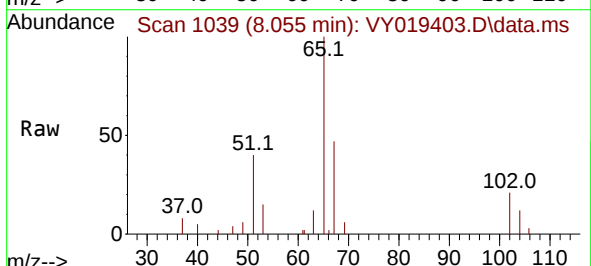
Instrument :
MSVOA_Y
ClientSampleId :
72-11978RE

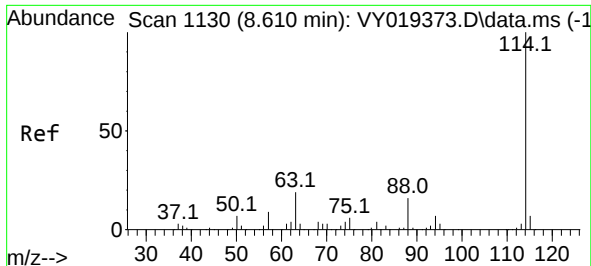
Tgt Ion:168 Resp: 25072
Ion Ratio Lower Upper
168 100
99 49.3 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 46.472 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY019403.D
Acq: 30 Aug 2024 18:10

Tgt Ion: 65 Resp: 11036
Ion Ratio Lower Upper
65 100
67 52.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019403.D

Acq: 30 Aug 2024 18:10

Instrument :

MSVOA_Y

ClientSampleId :

72-11978RE

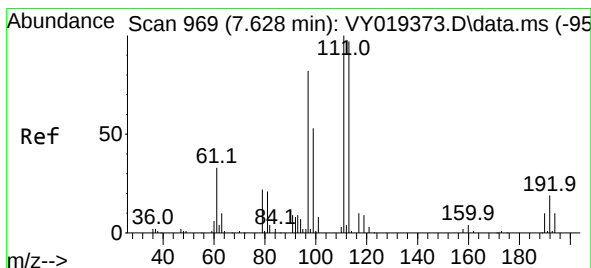
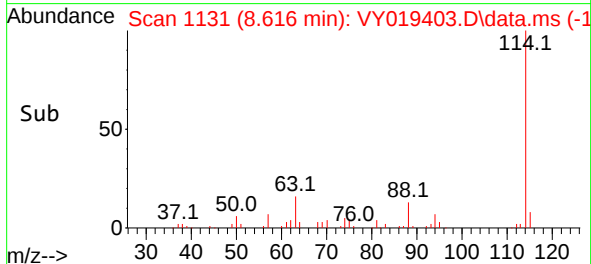
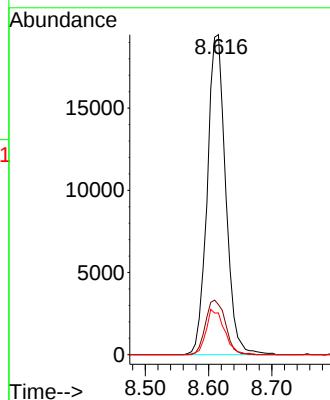
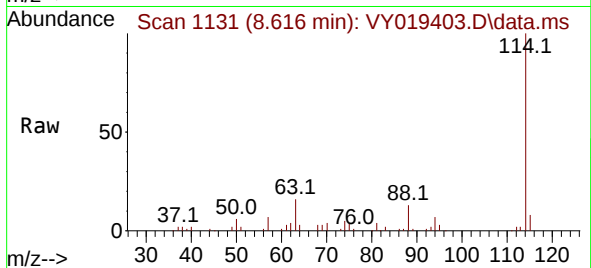
Tgt Ion:114 Resp: 39336

Ion Ratio Lower Upper

114 100

63 15.7 0.0 35.0

88 13.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.541 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY019403.D

Acq: 30 Aug 2024 18:10

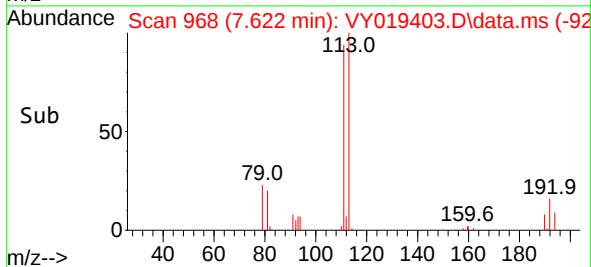
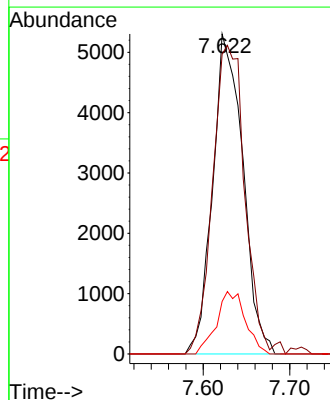
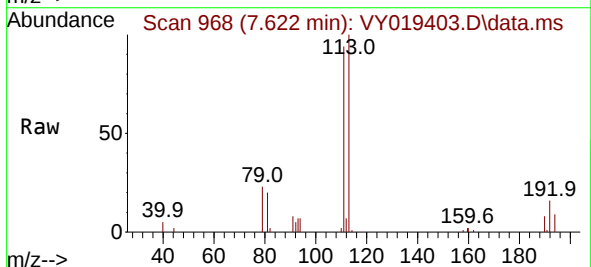
Tgt Ion:113 Resp: 12818

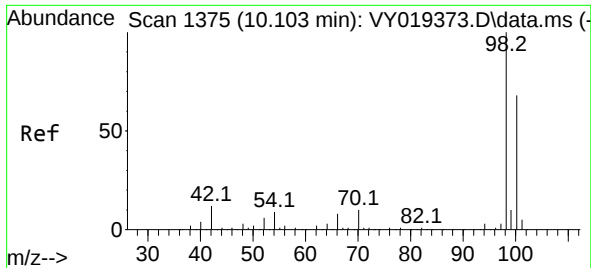
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 18.6 15.9 23.9

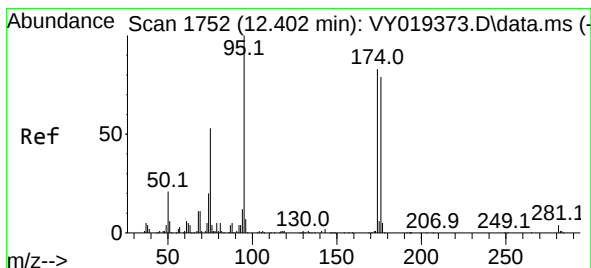
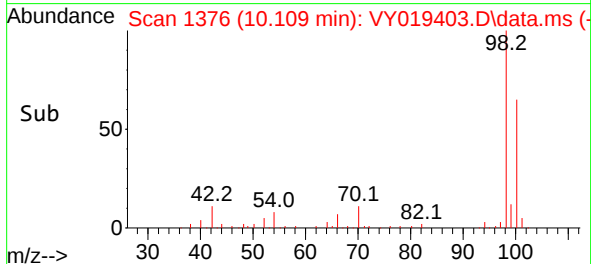
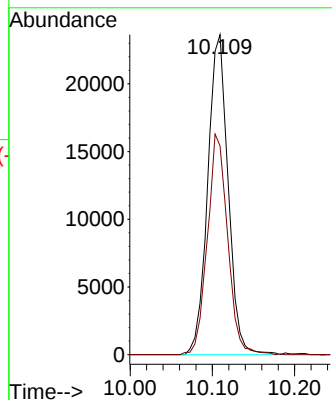
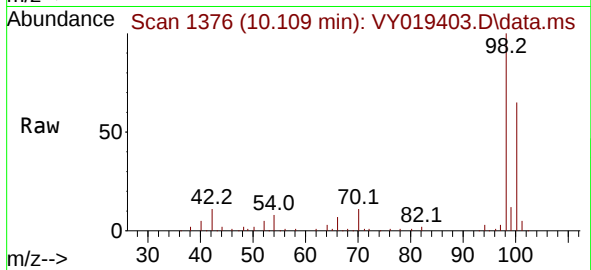




#50
Toluene-d8
Concen: 44.432 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019403.D
Acq: 30 Aug 2024 18:10

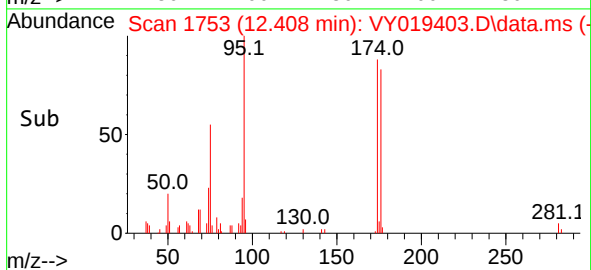
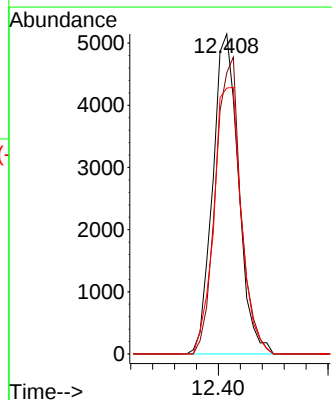
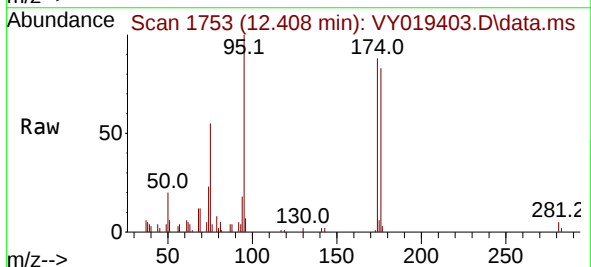
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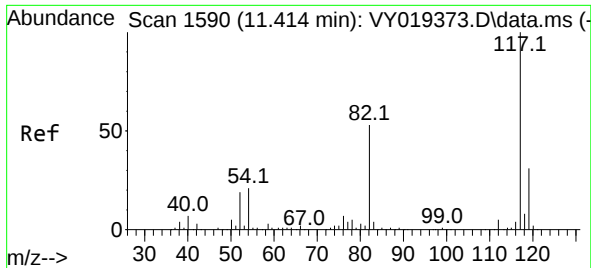
Tgt Ion: 98 Resp: 40677
Ion Ratio Lower Upper
98 100
100 68.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 28.348 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019403.D
Acq: 30 Aug 2024 18:10

Tgt Ion: 95 Resp: 8394
Ion Ratio Lower Upper
95 100
174 90.9 0.0 175.6
176 88.9 0.0 171.4

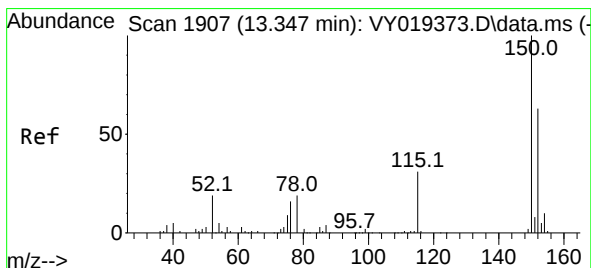
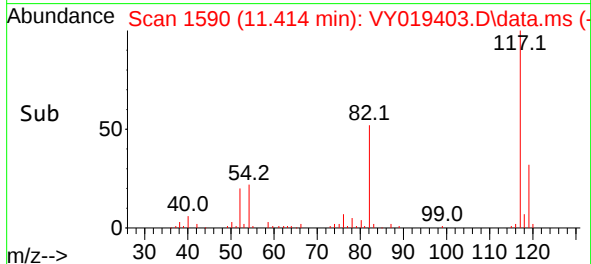
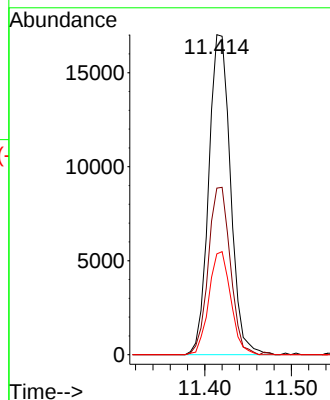
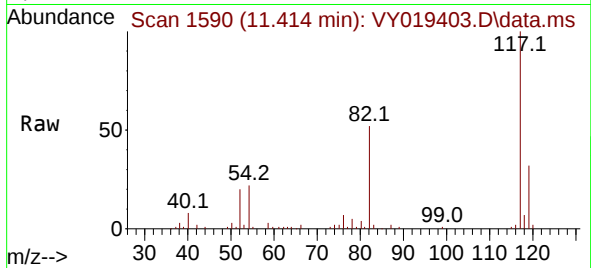




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY019403.D
Acq: 30 Aug 2024 18:10

Instrument :
MSVOA_Y
ClientSampleId :
72-11978RE

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.4	63.6
119	31.5	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY019403.D
Acq: 30 Aug 2024 18:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	28.2	84.7
150	159.0	0.0	345.6

