

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021629.D
 Acq On : 25 Mar 2025 12:04
 Operator : SY/MD
 Sample : VY0325SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBL01

Quant Time: Mar 26 01:35:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	234987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	440273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	390435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	148940	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139189	56.042	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.080%
35) Dibromofluoromethane	7.634	113	147787	51.067	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.140%
50) Toluene-d8	10.109	98	534999	48.825	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.408	95	159255	42.727	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.460%

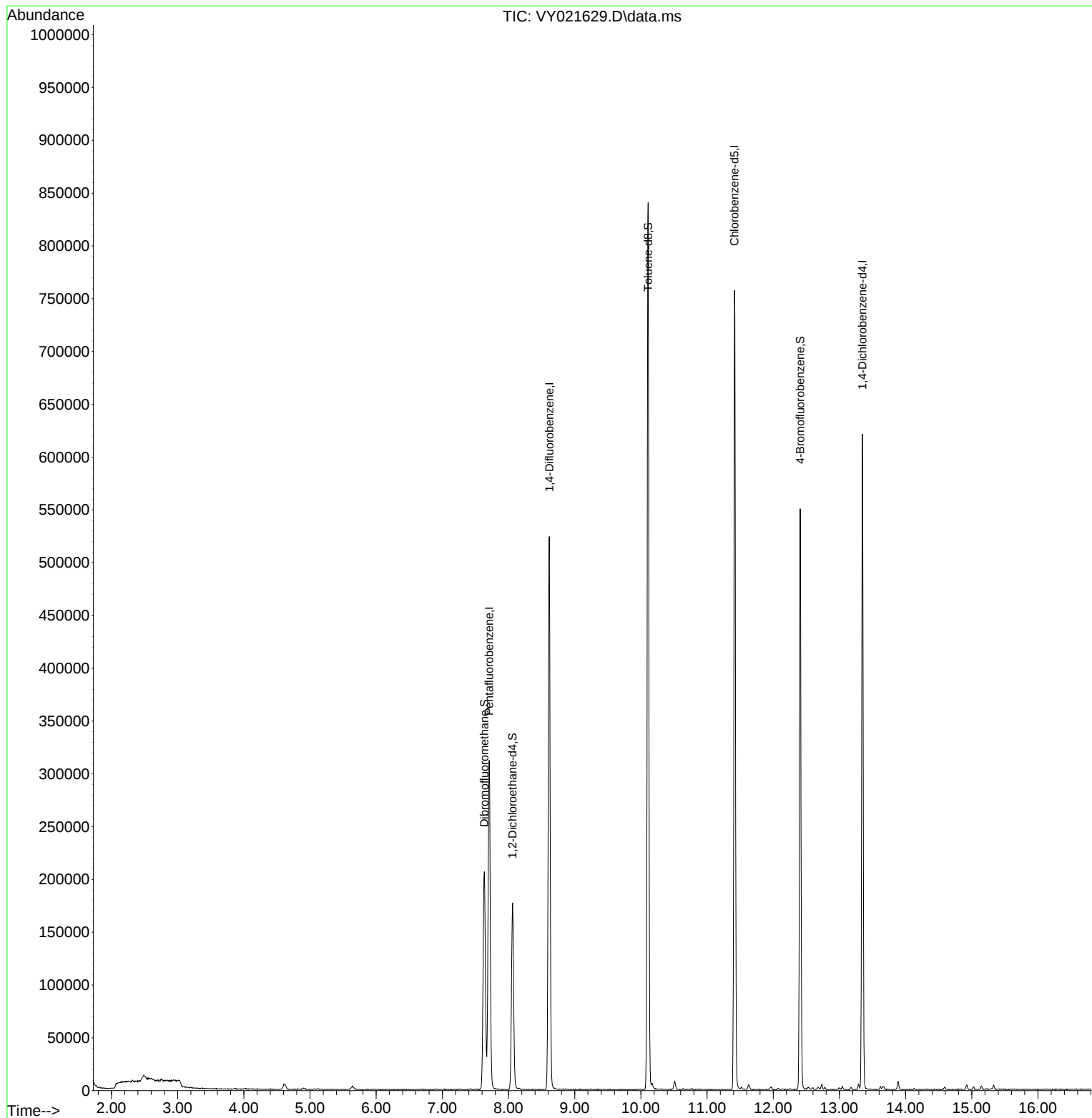
Target Compounds	Qvalue

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

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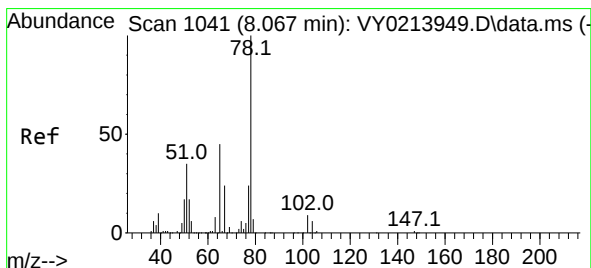
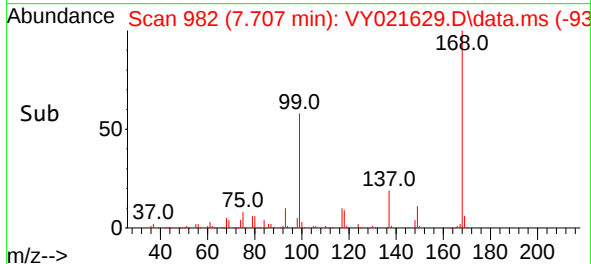
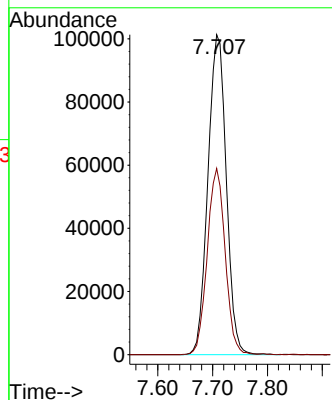
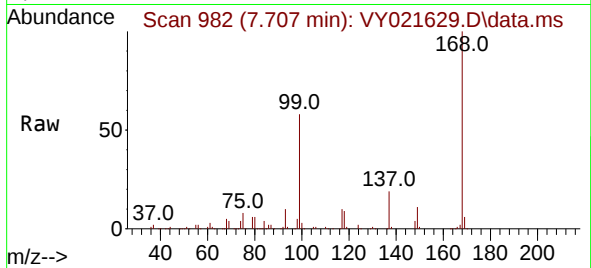




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

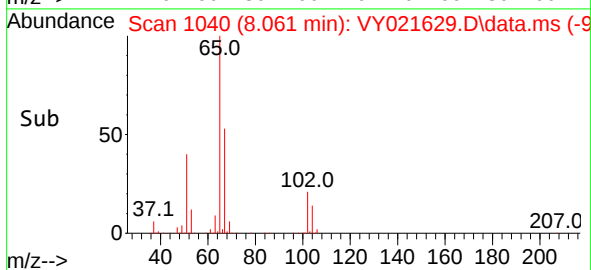
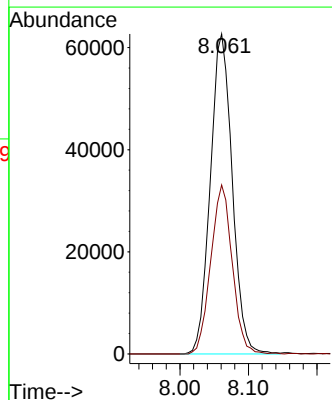
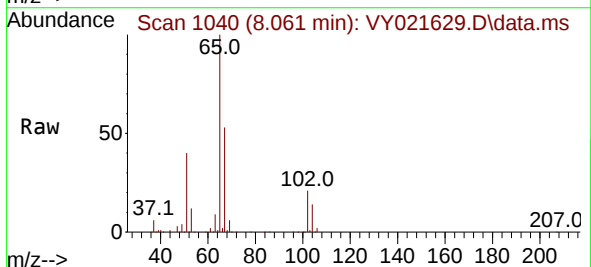
Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBL01

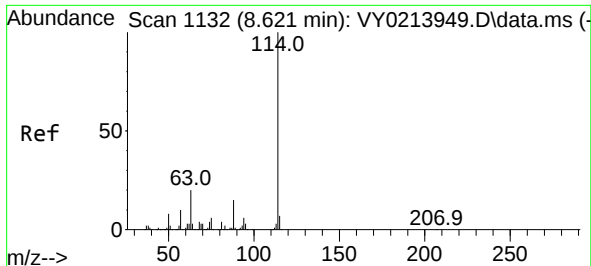
Tgt Ion:168 Resp: 234987
Ion Ratio Lower Upper
168 100
99 58.2 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 56.042 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

Tgt Ion: 65 Resp: 139189
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021629.D

Acq: 25 Mar 2025 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBL01

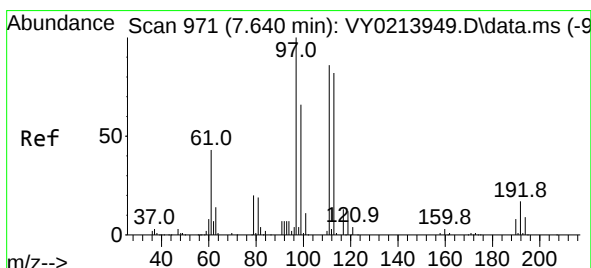
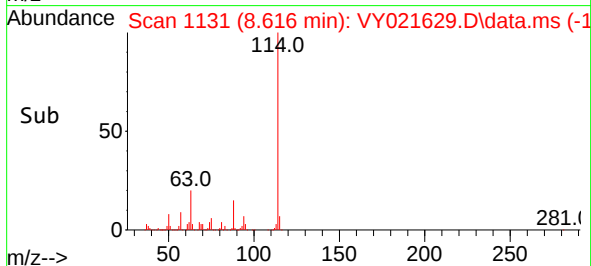
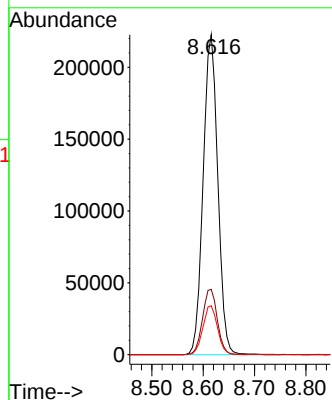
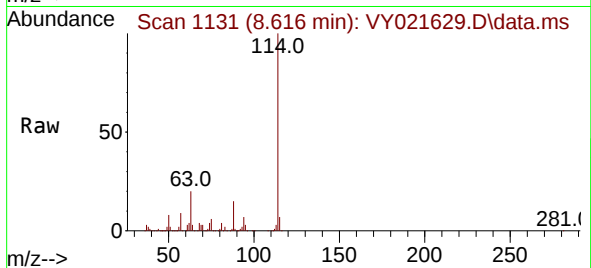
Tgt Ion:114 Resp: 440273

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.3 0.0 30.8



#35

Dibromofluoromethane

Concen: 51.067 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021629.D

Acq: 25 Mar 2025 12:04

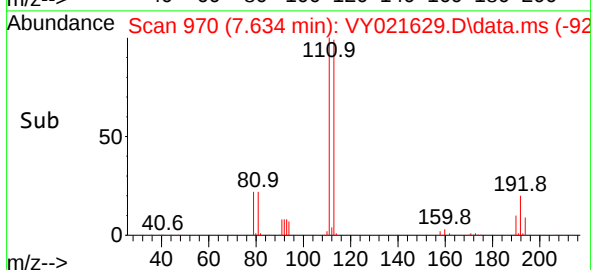
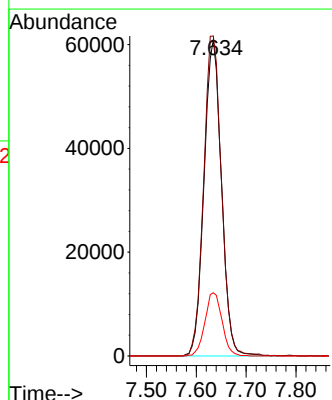
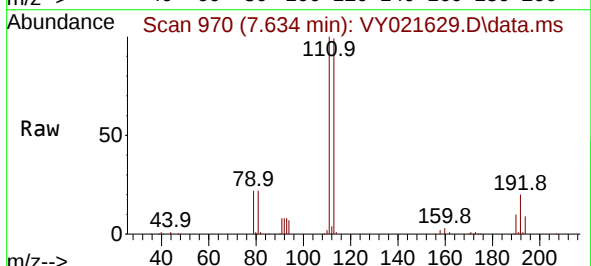
Tgt Ion:113 Resp: 147787

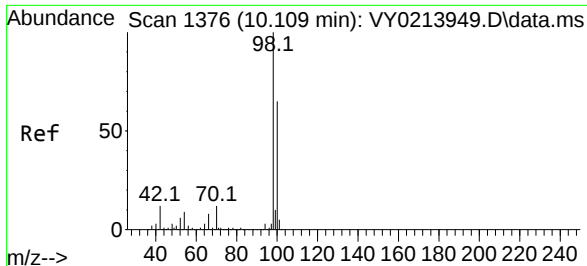
Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

192 19.7 15.9 23.9

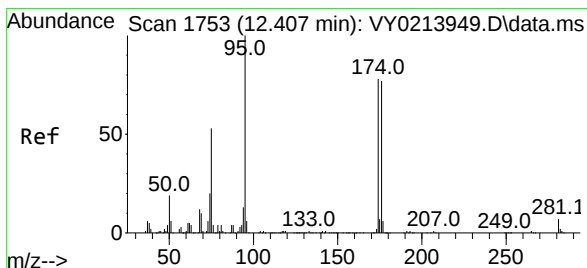
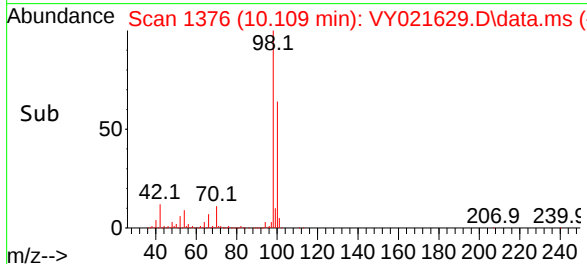
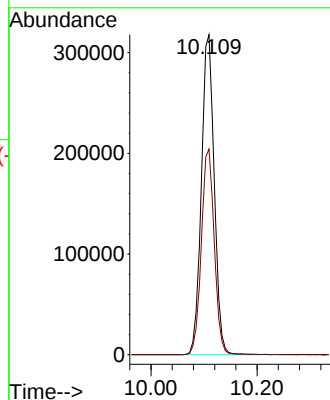
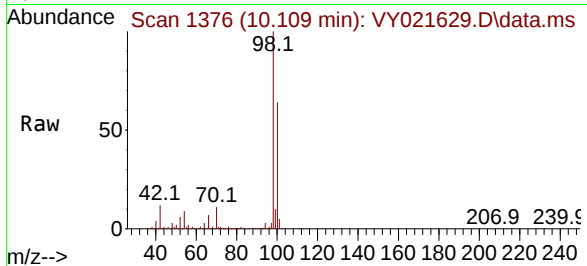




#50
Toluene-d8
Concen: 48.825 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

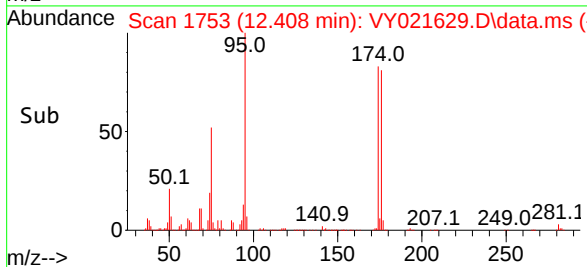
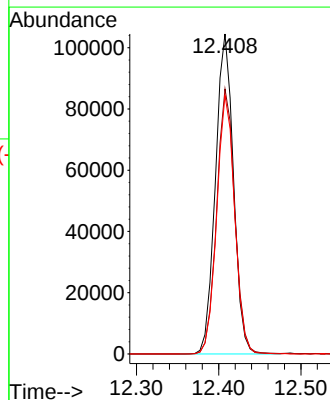
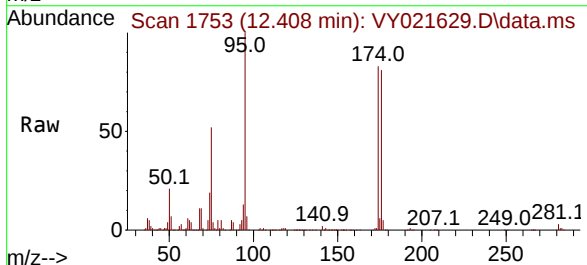
Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBL01

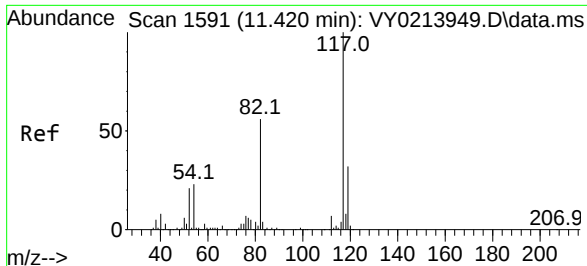
Tgt Ion: 98 Resp: 534999
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 42.727 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

Tgt Ion: 95 Resp: 159255
Ion Ratio Lower Upper
95 100
174 83.1 0.0 165.0
176 80.4 0.0 160.0

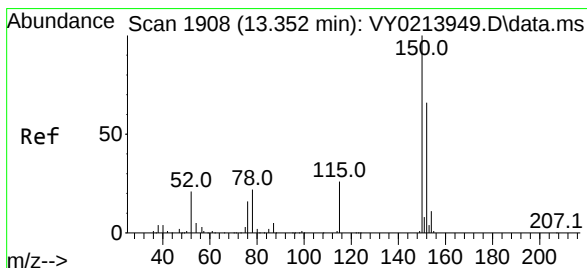
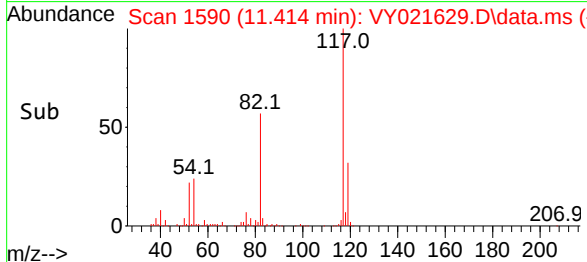
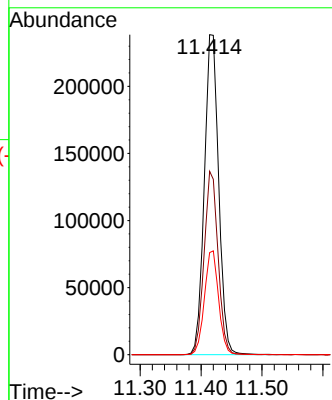
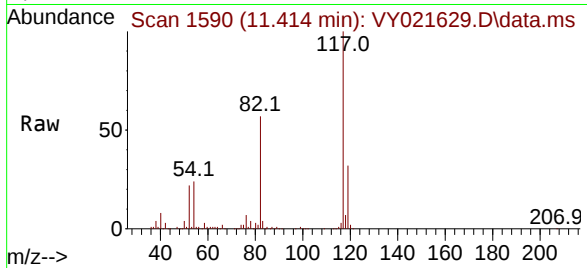




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBL01

Tgt Ion:117 Resp: 390435
Ion Ratio Lower Upper
117 100
82 57.3 44.6 67.0
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

Tgt Ion:152 Resp: 148940
Ion Ratio Lower Upper
152 100
115 58.3 29.0 87.0
150 157.5 0.0 347.2

