

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080525\
 Data File : VR026705.D
 Acq On : 5 Aug 2025 10:44
 Operator : SY/MD
 Sample : VR0805WBL02
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0805WBL02

Quant Time: Aug 06 01:19:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 02:27:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.295	168	450916	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.322	114	827020	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.531	117	629283	50.000	ug/l	-0.01
71) 1,4-Dichlorobenzene-d4	13.735	152	283302	50.000	ug/l	-0.01

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.683	65	293125	51.361	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.720%
34) Dibromofluoromethane	7.195	113	233662	45.680	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.360%
49) Toluene-d8	10.029	98	946937	51.672	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.340%
61) 4-Bromofluorobenzene	12.667	95	250148	47.991	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.980%

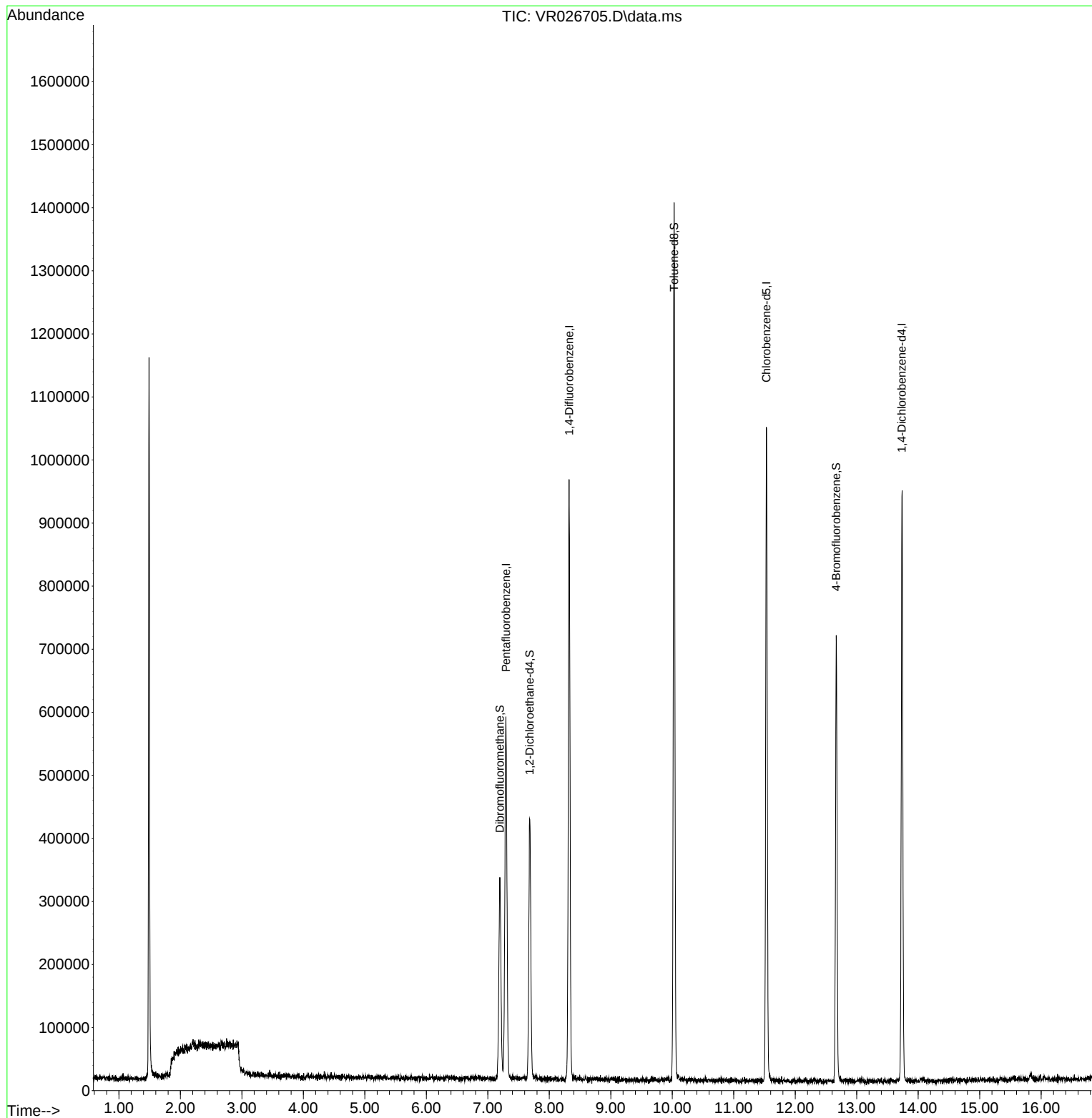
Target Compounds	Qvalue

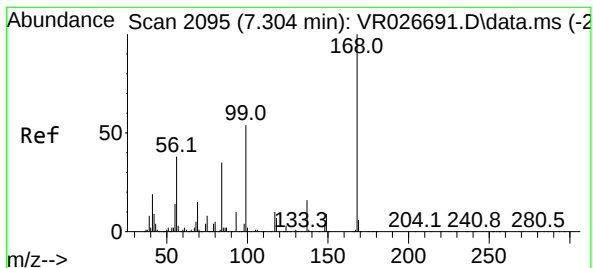
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.295 min Scan# 2095

Delta R.T. -0.009 min

Lab File: VR026705.D

Acq: 5 Aug 2025 10:44

Instrument :

MSVOA_R

ClientSampleId :

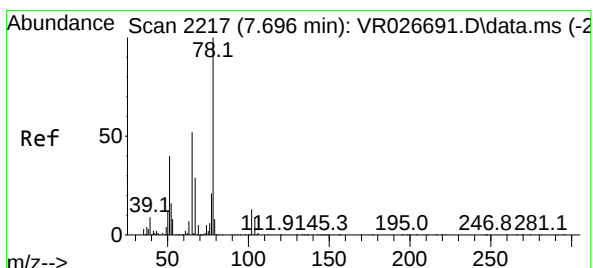
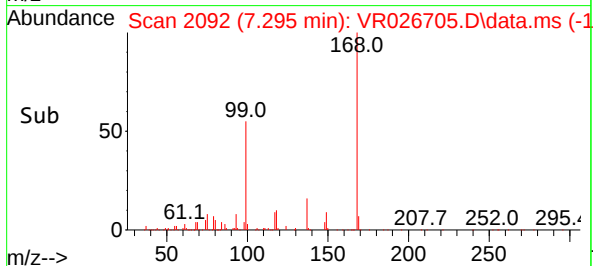
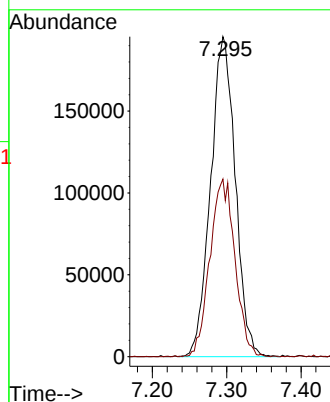
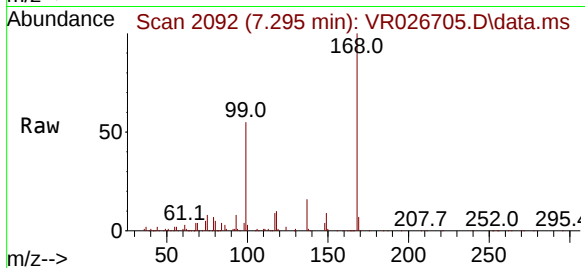
VR0805WBL02

Tgt Ion:168 Resp: 450916

Ion Ratio Lower Upper

168 100

99 55.5 43.8 65.8



#32

1,2-Dichloroethane-d4

Concen: 51.361 ug/l

RT: 7.683 min Scan# 2213

Delta R.T. -0.013 min

Lab File: VR026705.D

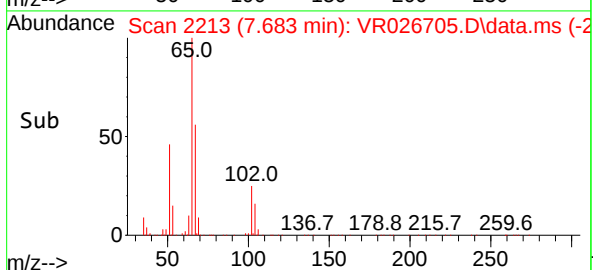
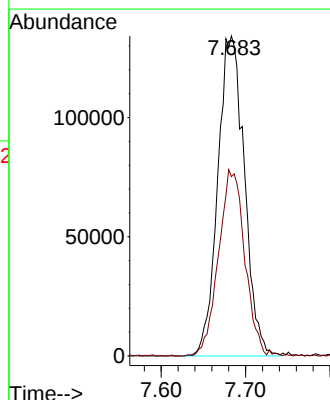
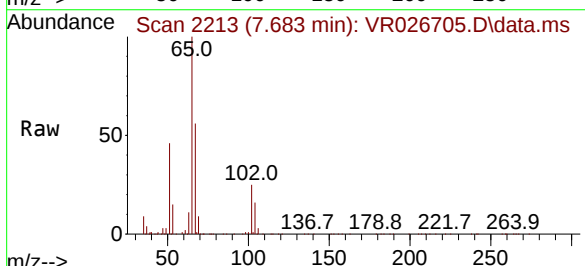
Acq: 5 Aug 2025 10:44

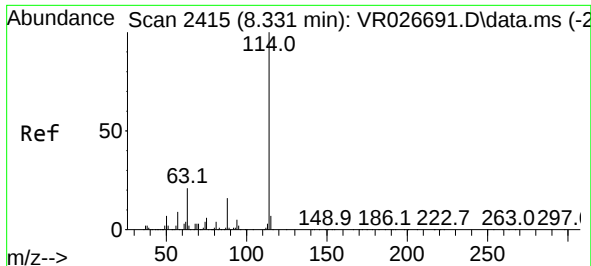
Tgt Ion: 65 Resp: 293125

Ion Ratio Lower Upper

65 100

67 57.3 0.0 118.4

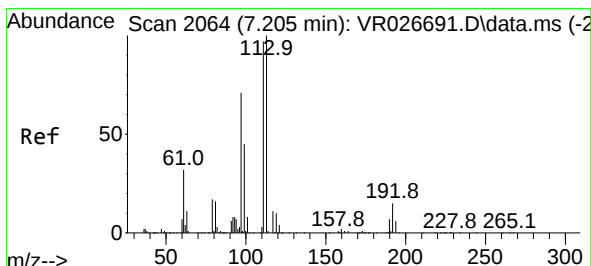
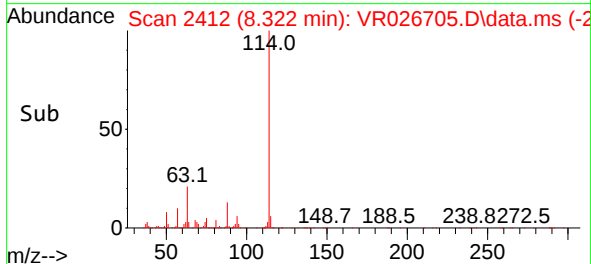
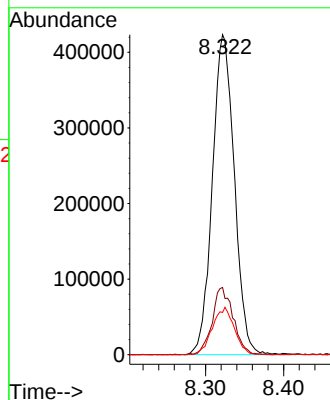
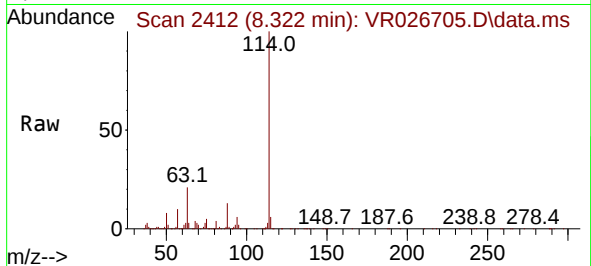




#33
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.322 min Scan# 2415
Delta R.T. -0.010 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

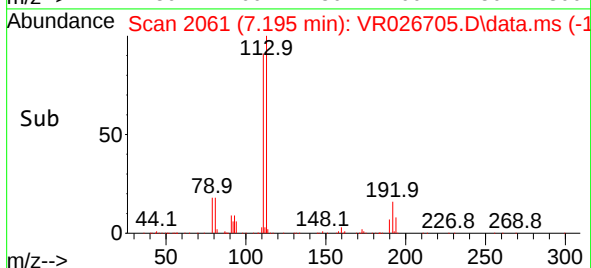
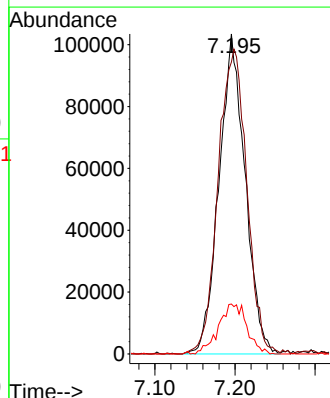
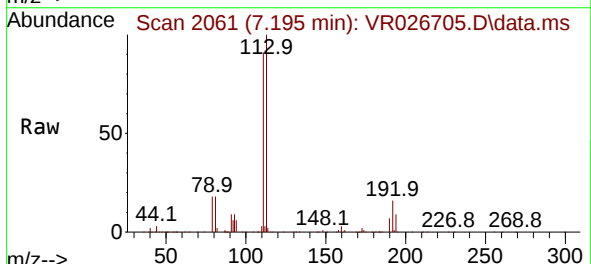
Instrument :
MSVOA_R
ClientSampleId :
VR0805WBL02

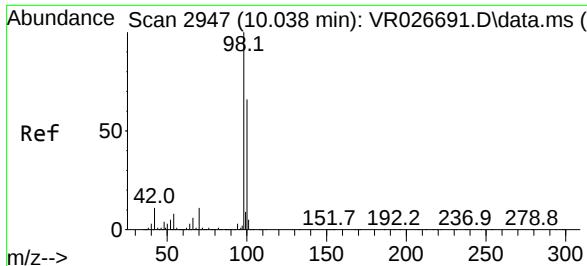
Tgt Ion:114 Resp: 827020
Ion Ratio Lower Upper
114 100
63 21.0 0.0 41.6
88 13.2 0.0 32.6



#34
Dibromofluoromethane
Concen: 45.680 ug/l
RT: 7.195 min Scan# 2061
Delta R.T. -0.010 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

Tgt Ion:113 Resp: 233662
Ion Ratio Lower Upper
113 100
111 104.7 81.7 122.5
192 17.0 12.3 18.5

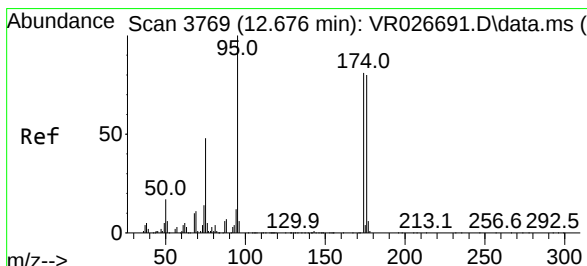
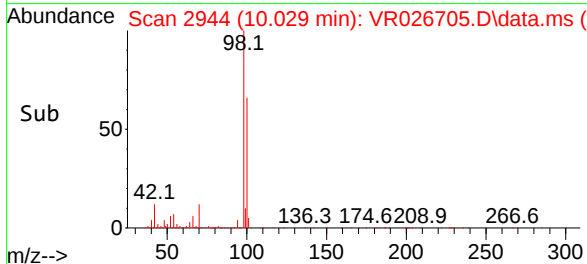
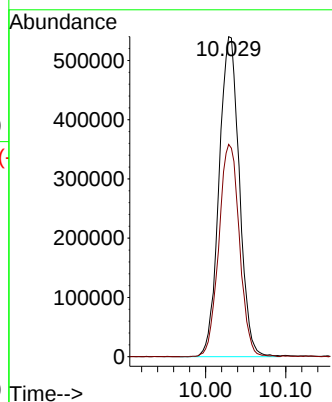
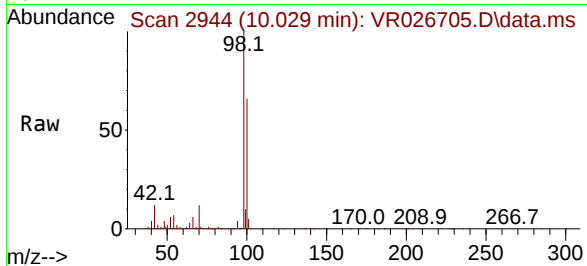




#49
Toluene-d8
Concen: 51.672 ug/l
RT: 10.029 min Scan# 2944
Delta R.T. -0.010 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

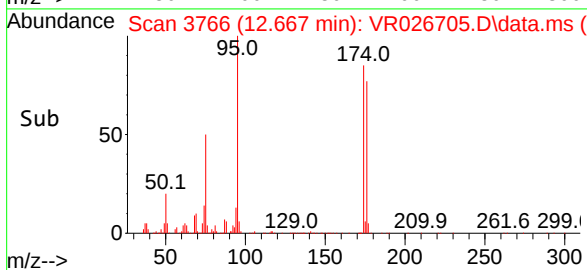
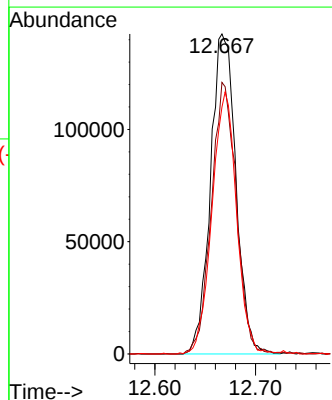
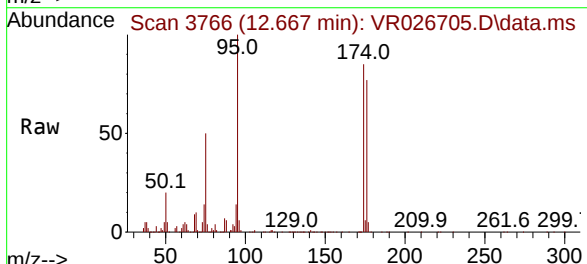
Instrument :
MSVOA_R
ClientSampleId :
VR0805WBL02

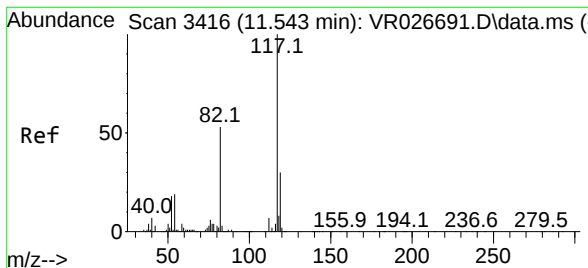
Tgt Ion: 98 Resp: 946937
Ion Ratio Lower Upper
98 100
100 67.3 53.9 80.9



#61
4-Bromofluorobenzene
Concen: 47.991 ug/l
RT: 12.667 min Scan# 3766
Delta R.T. -0.010 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

Tgt Ion: 95 Resp: 250148
Ion Ratio Lower Upper
95 100
174 83.4 0.0 158.4
176 79.2 0.0 149.0





#62

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.531 min Scan# 3416

Delta R.T. -0.013 min

Lab File: VR026705.D

Acq: 5 Aug 2025 10:44

Instrument :

MSVOA_R

ClientSampleId :

VR0805WBL02

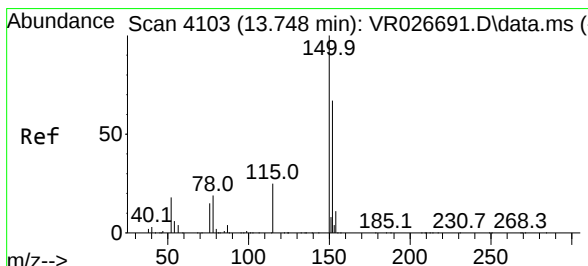
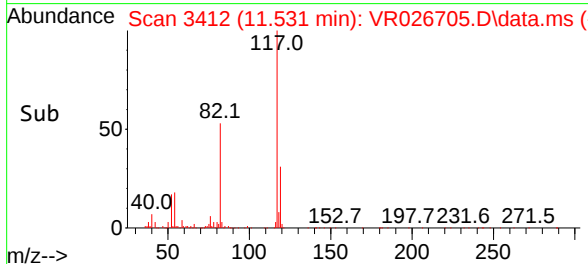
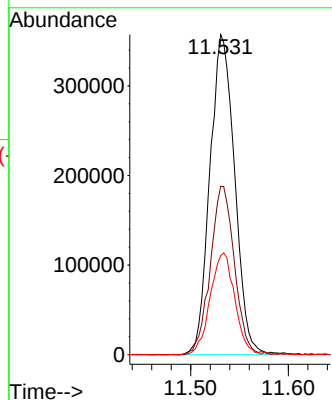
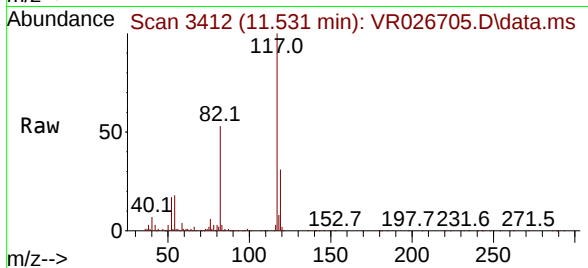
Tgt Ion:117 Resp: 629283

Ion Ratio Lower Upper

117 100

82 52.6 42.0 63.0

119 31.0 23.9 35.9



#71

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.735 min Scan# 4099

Delta R.T. -0.013 min

Lab File: VR026705.D

Acq: 5 Aug 2025 10:44

Tgt Ion:152 Resp: 283302

Ion Ratio Lower Upper

152 100

115 52.3 27.8 83.4

150 155.1 0.0 350.4

