

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023908.D
 Acq On : 09 Dec 2025 15:06
 Operator : SY/MD
 Sample : Q3795-03RE
 Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11966-VOCRE

Quant Time: Dec 10 02:28:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	3979	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.628	114	4165	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	1183	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	278	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	1816	45.623	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.240%
35) Dibromofluoromethane	7.640	113	1784	66.783	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	133.560%
50) Toluene-d8	10.115	98	2744	26.397	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	52.800%#
62) 4-Bromofluorobenzene	12.414	95	498	14.046	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	28.100%#

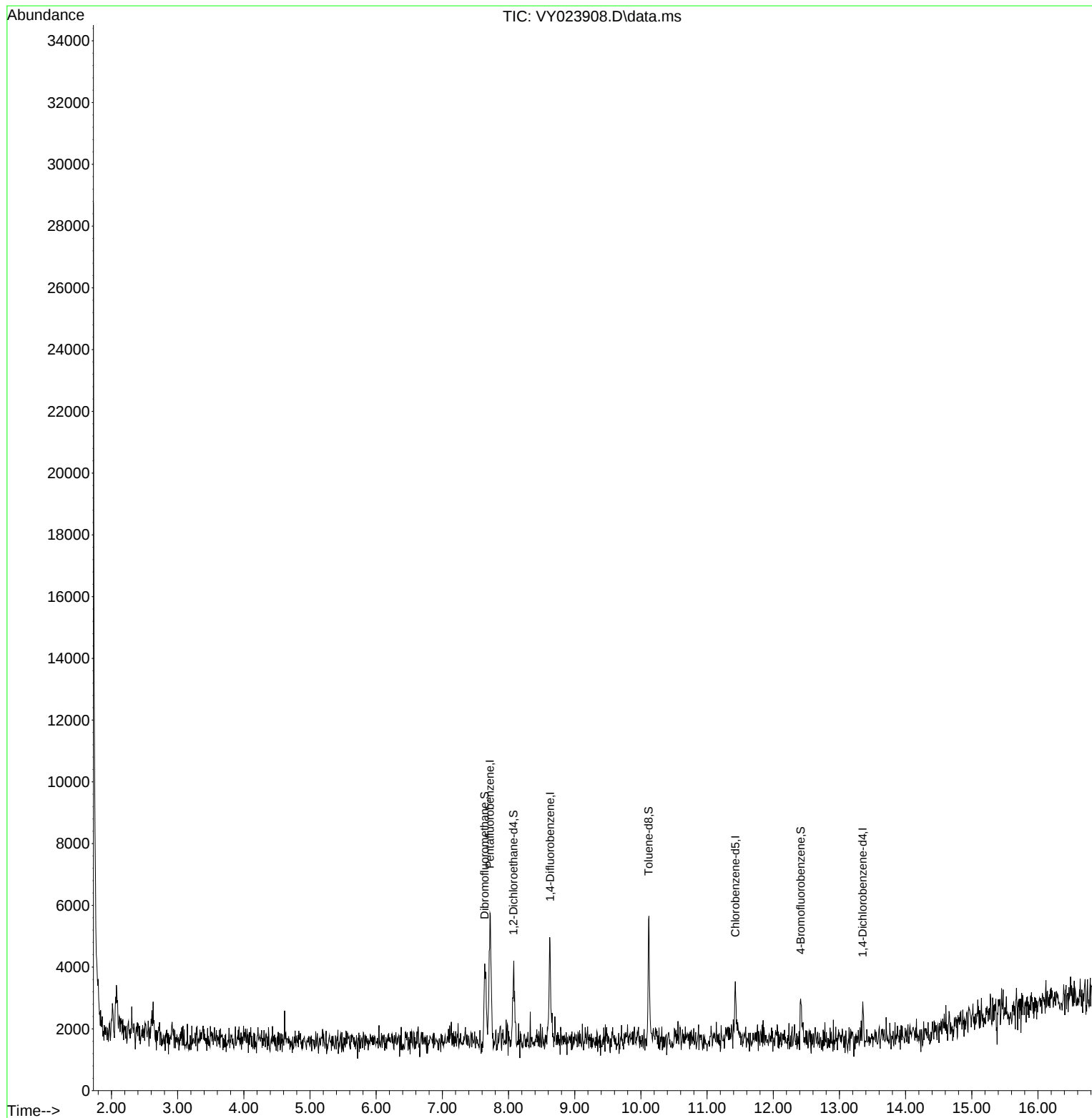
Target Compounds	Qvalue

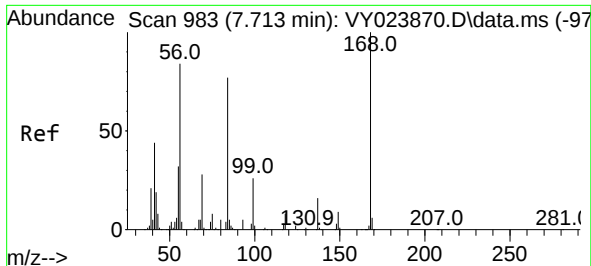
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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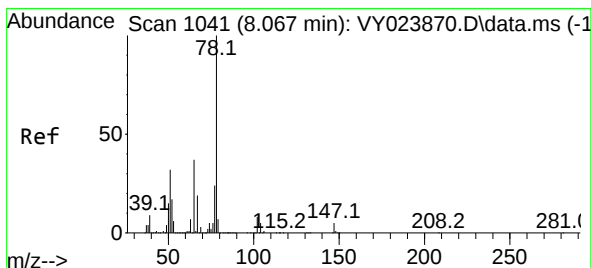
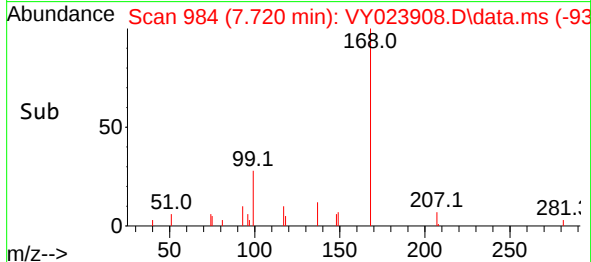
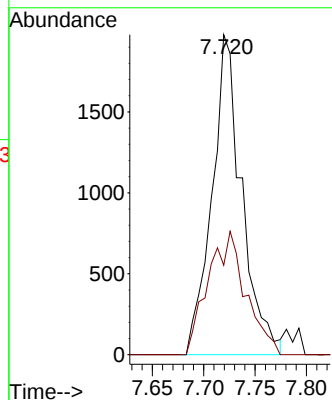
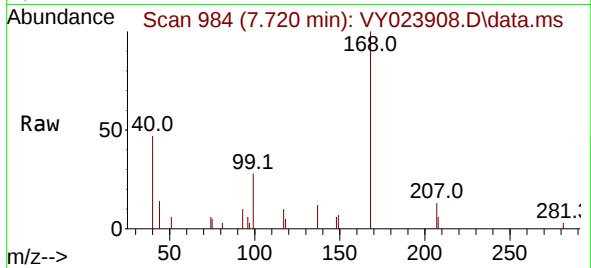




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023908.D
Acq: 09 Dec 2025 15:06

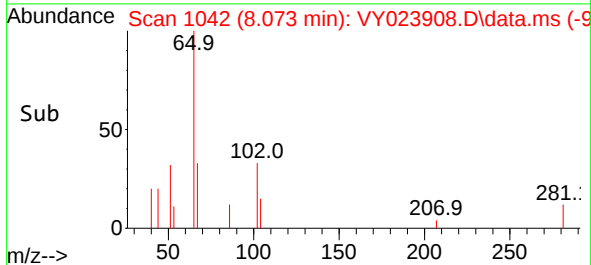
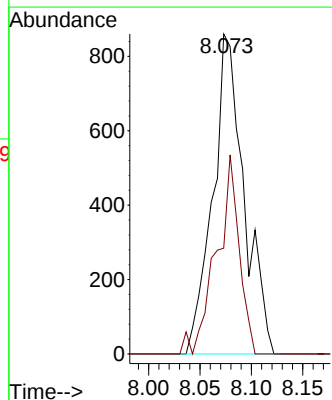
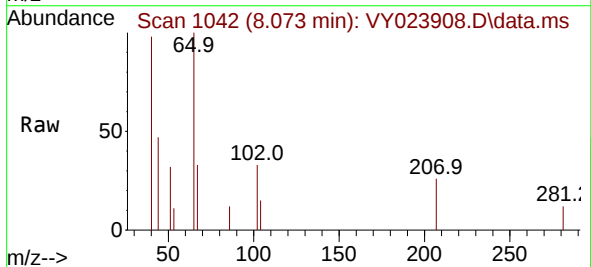
Instrument :
MSVOA_Y
ClientSampleId :
72-11966-VOCRE

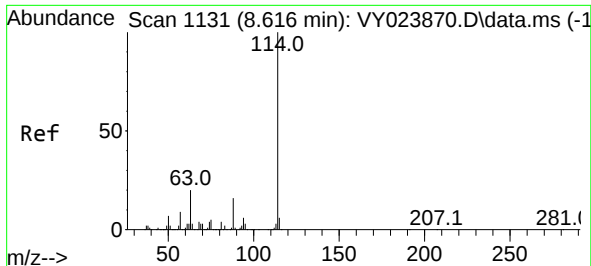
Tgt Ion:168 Resp: 3979
Ion Ratio Lower Upper
168 100
99 28.0 42.5 63.7#



#33
1,2-Dichloroethane-d4
Concen: 45.623 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023908.D
Acq: 09 Dec 2025 15:06

Tgt Ion: 65 Resp: 1816
Ion Ratio Lower Upper
65 100
67 44.9 0.0 107.2

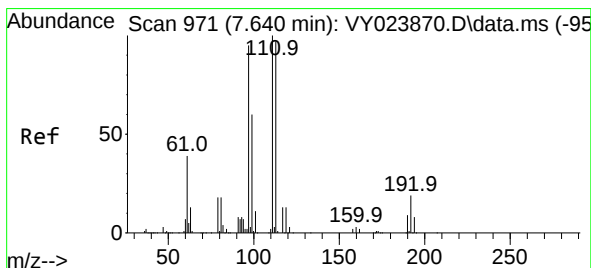
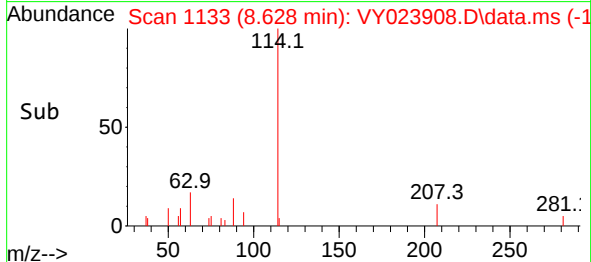
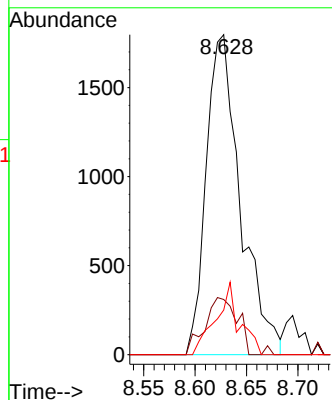
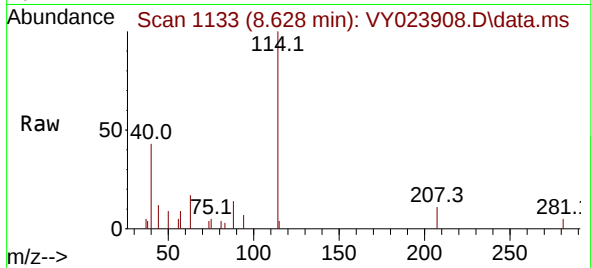




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.012 min
Lab File: VY023908.D
Acq: 09 Dec 2025 15:06

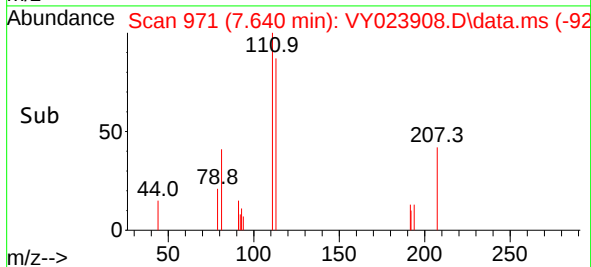
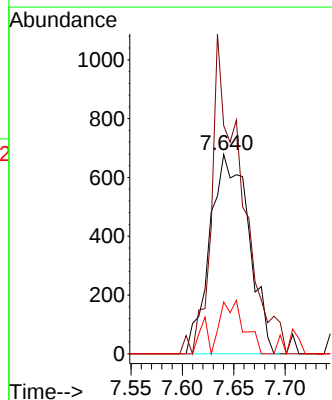
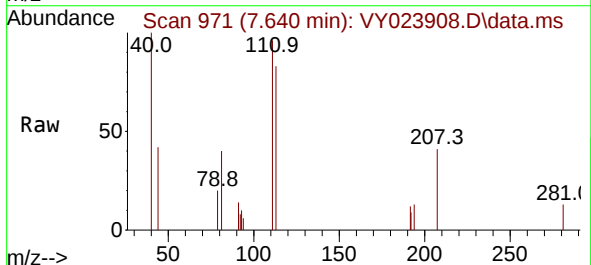
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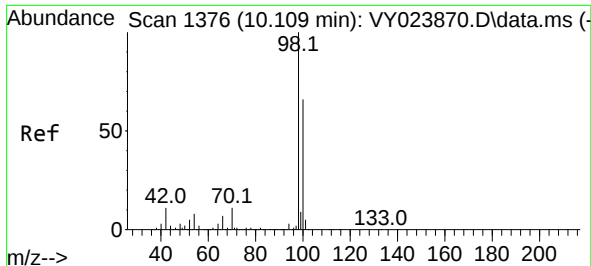
Tgt Ion:	114	Resp:	4165
Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	39.2
88	14.0	0.0	31.4



#35
Dibromofluoromethane
Concen: 66.783 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY023908.D
Acq: 09 Dec 2025 15:06

Tgt Ion:	113	Resp:	1784
Ion	Ratio	Lower	Upper
113	100		
111	121.1	82.2	123.2
192	16.5	15.8	23.8

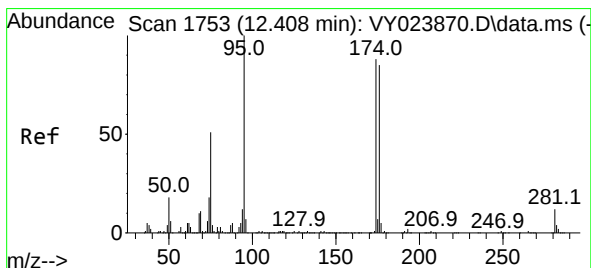
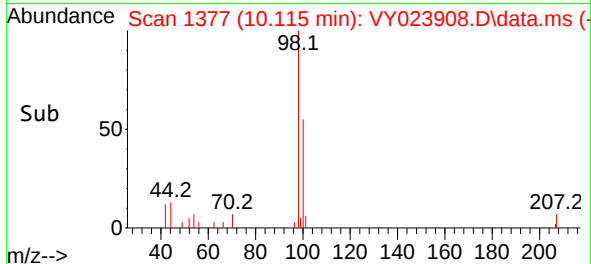
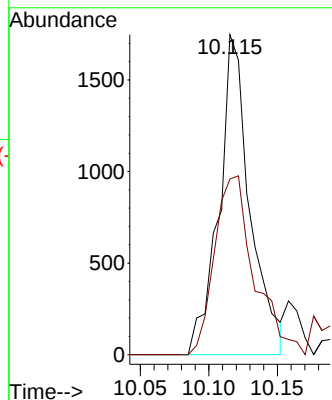
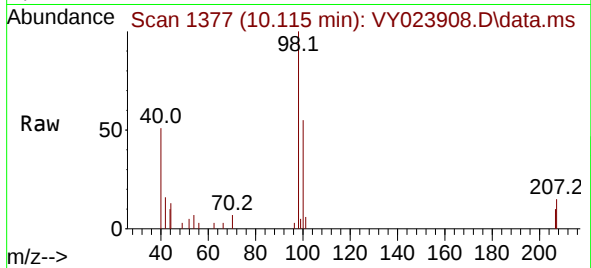




#50
Toluene-d8
Concen: 26.397 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023908.D
Acq: 09 Dec 2025 15:06

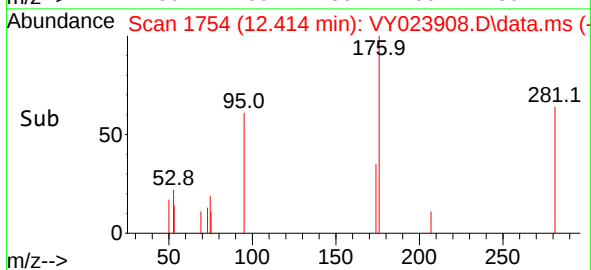
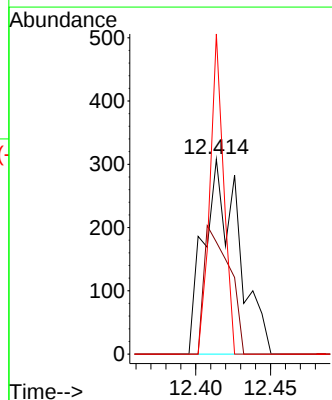
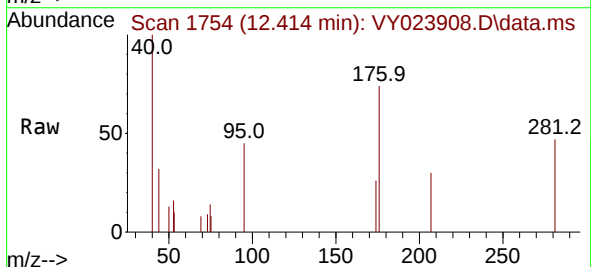
Instrument :
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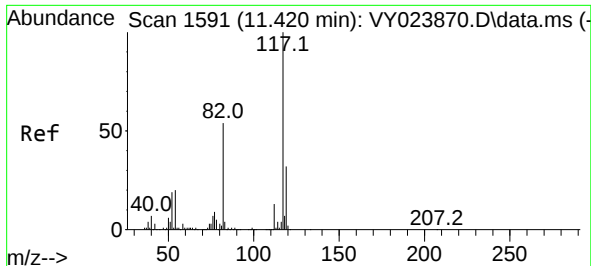
Tgt Ion: 98 Resp: 2744
Ion Ratio Lower Upper
98 100
100 71.8 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 14.046 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023908.D
Acq: 09 Dec 2025 15:06

Tgt Ion: 95 Resp: 498
Ion Ratio Lower Upper
95 100
174 47.8 0.0 169.6
176 65.1 0.0 164.4

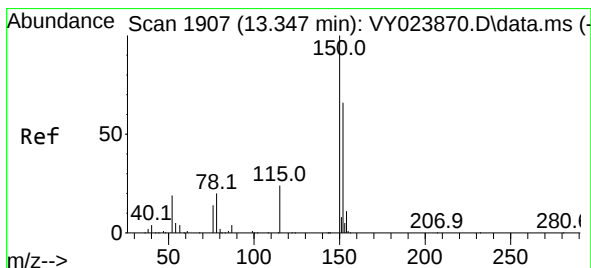
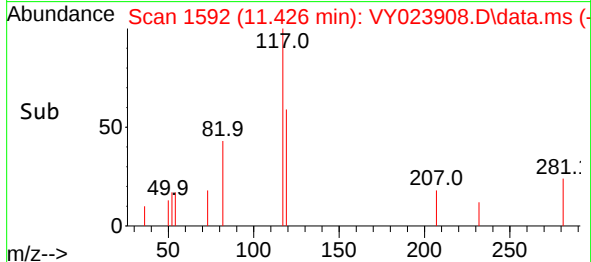
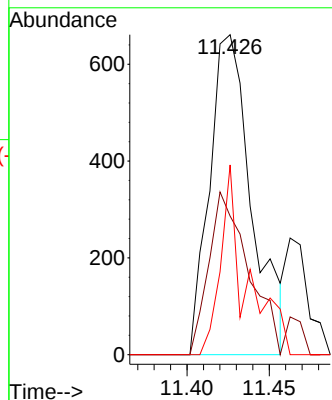
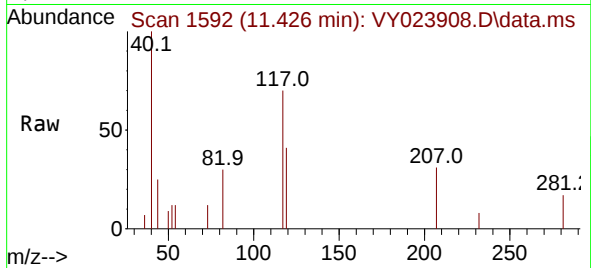




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1183
Delta R.T. 0.006 min
Lab File: VY023908.D
Acq: 09 Dec 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
72-11966-VOCRE

Tgt Ion:	117	Resp:	1183
Ion	Ratio	Lower	Upper
117	100		
82	43.3	43.1	64.7
119	59.3	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023908.D
Acq: 09 Dec 2025 15:06

Tgt Ion:	152	Resp:	278
Ion	Ratio	Lower	Upper
152	100		
115	35.3	28.8	86.4
150	260.8	0.0	352.2

