

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023514.D
 Acq On : 20 Oct 2025 17:21
 Operator : SY/MD
 Sample : Q3381-07
 Misc : 4.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-255

Quant Time: Oct 21 04:01:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	678446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1160460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	974959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	389973	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	319141	56.253	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.500%
35) Dibromofluoromethane	7.640	113	372455	52.234	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.460%
50) Toluene-d8	10.109	98	1315996	49.558	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.120%
62) 4-Bromofluorobenzene	12.407	95	353830	40.359	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.720%

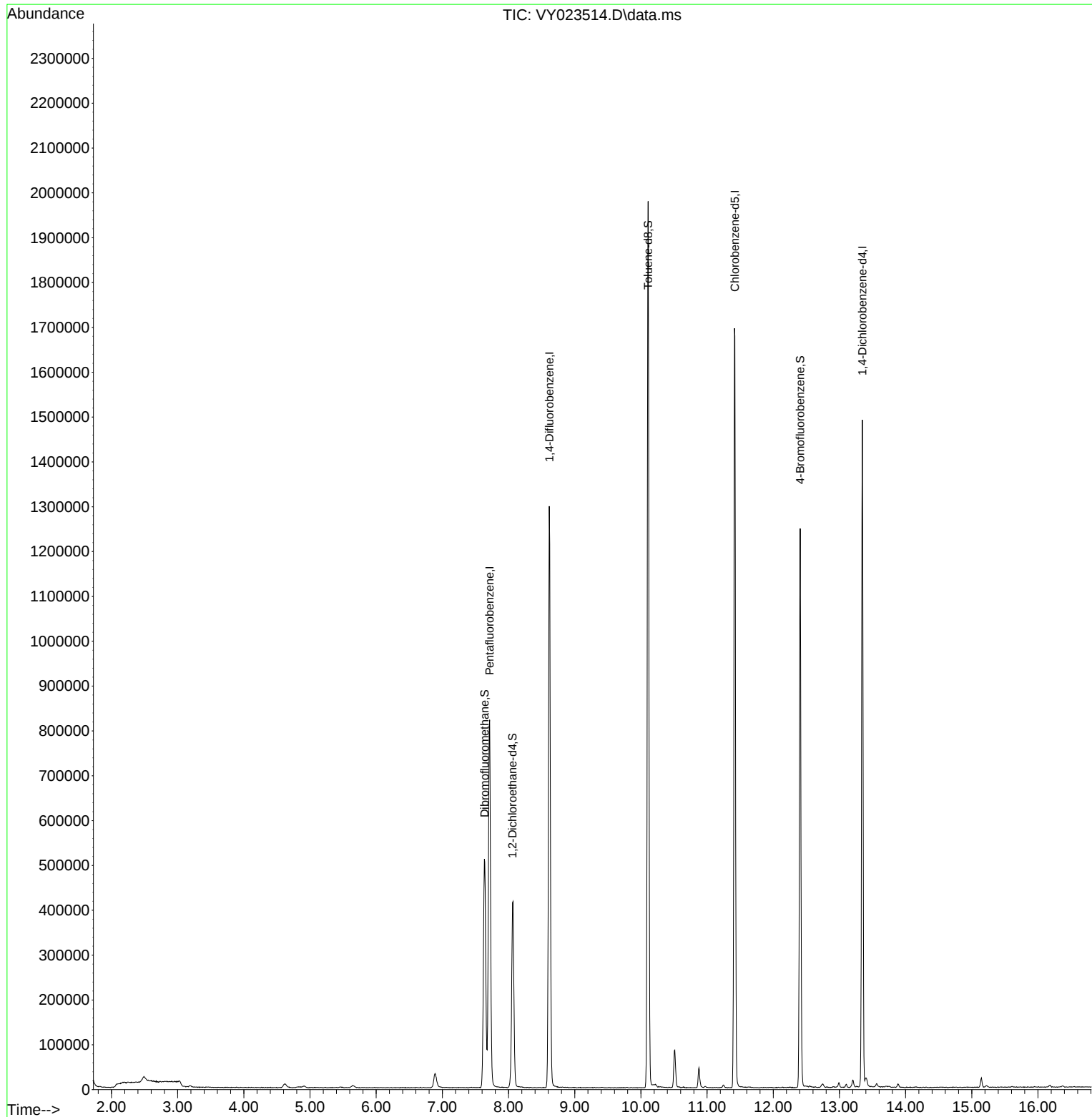
Target Compounds	Qvalue

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

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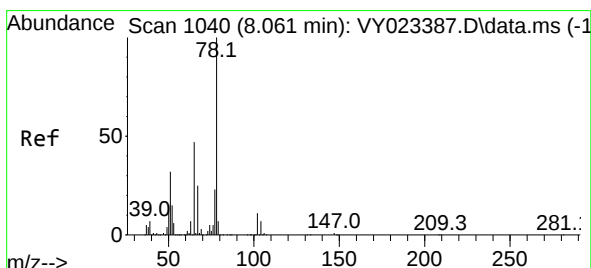
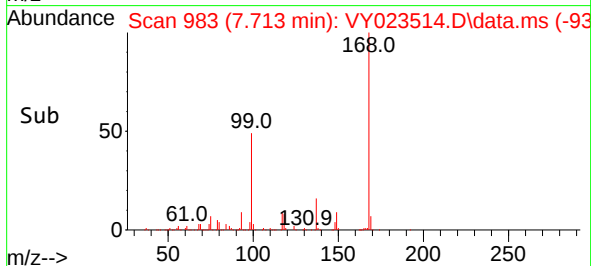
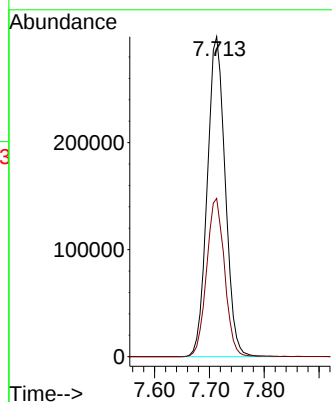
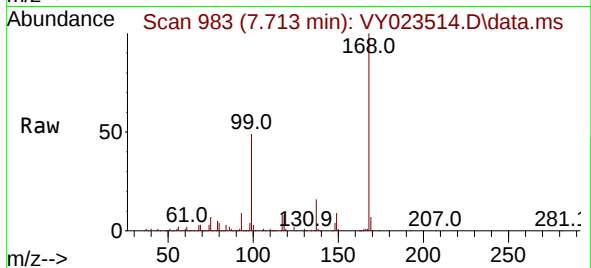




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023514.D
Acq: 20 Oct 2025 17:21

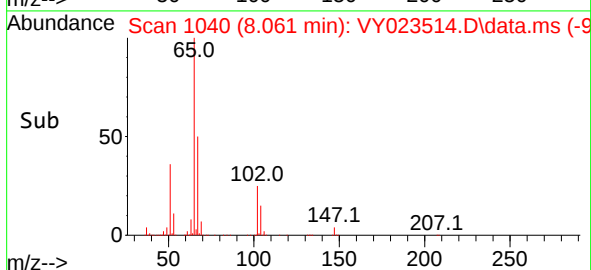
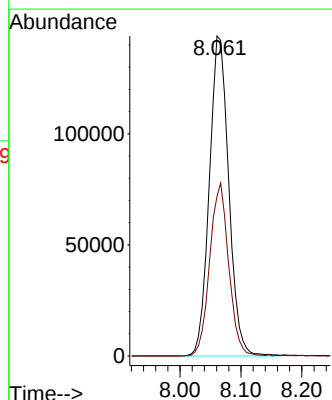
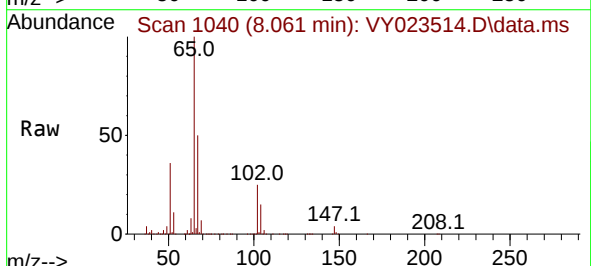
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-255

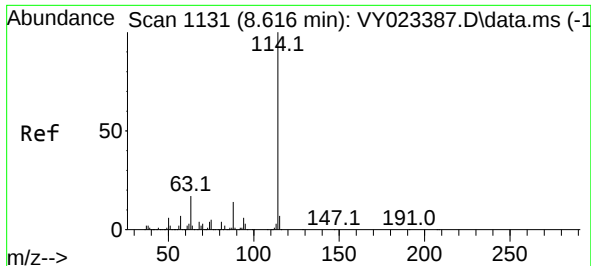
Tgt Ion:168 Resp: 678446
Ion Ratio Lower Upper
168 100
99 49.5 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 56.253 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023514.D
Acq: 20 Oct 2025 17:21

Tgt Ion: 65 Resp: 319141
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8

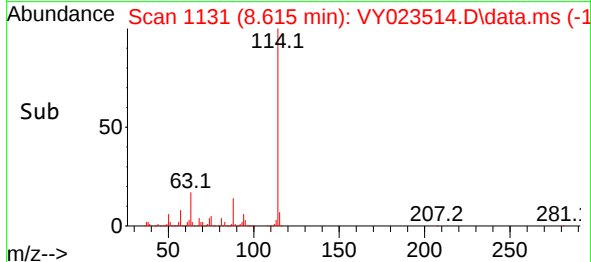
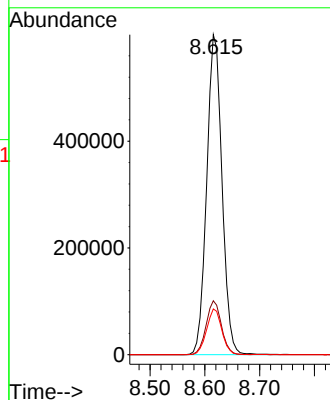
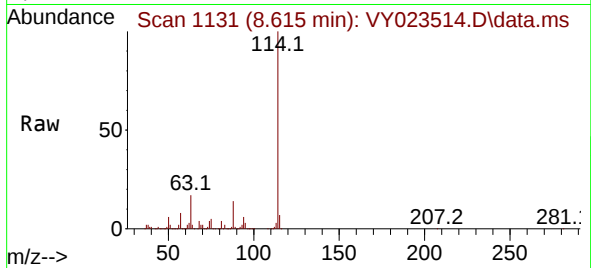




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023514.D
Acq: 20 Oct 2025 17:21

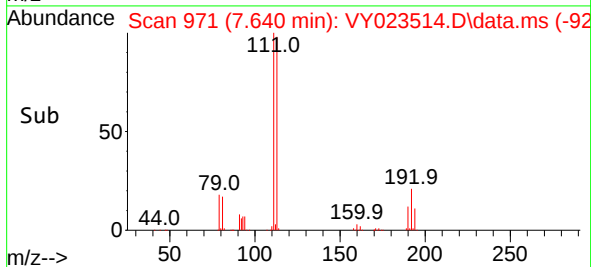
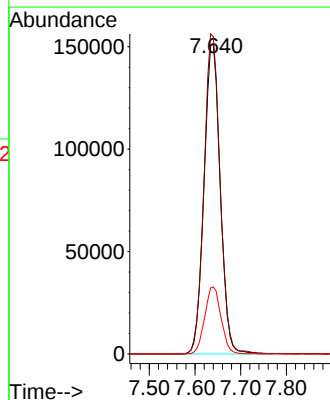
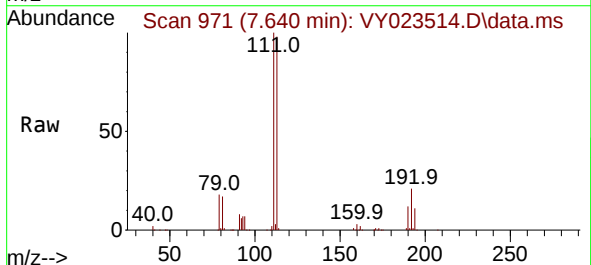
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-255

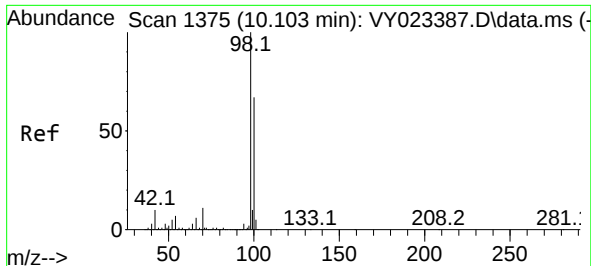
Tgt Ion:114 Resp: 1160460
Ion Ratio Lower Upper
114 100
63 16.8 0.0 34.2
88 14.3 0.0 28.4



#35
Dibromofluoromethane
Concen: 52.234 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023514.D
Acq: 20 Oct 2025 17:21

Tgt Ion:113 Resp: 372455
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 21.8 18.0 27.0

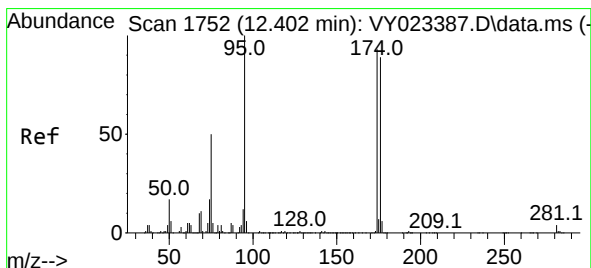
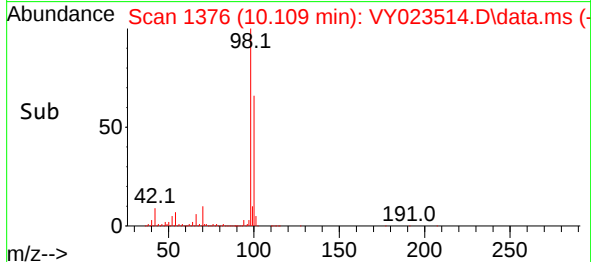
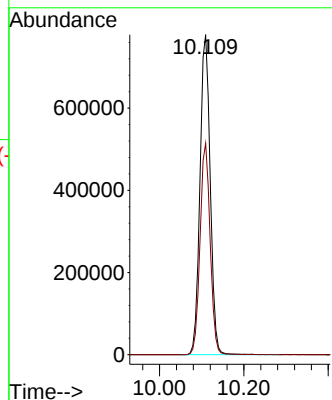
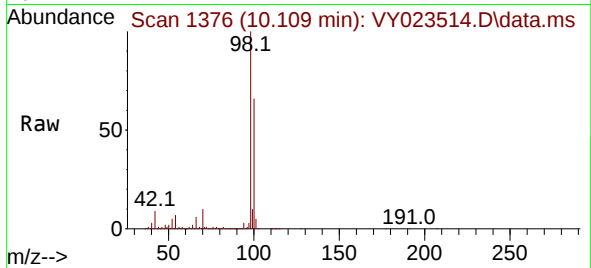




#50
Toluene-d8
Concen: 49.558 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023514.D
Acq: 20 Oct 2025 17:21

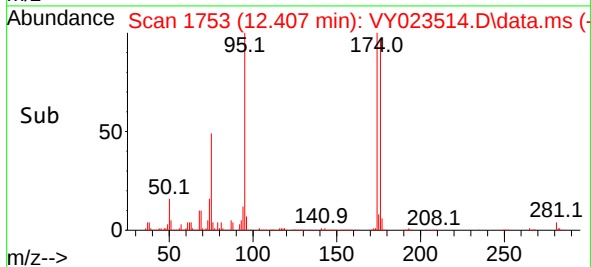
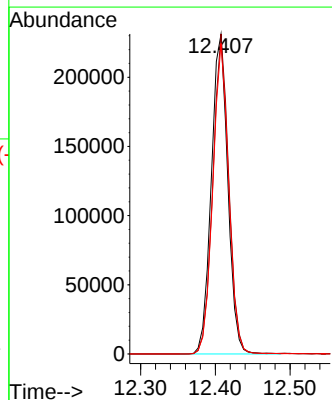
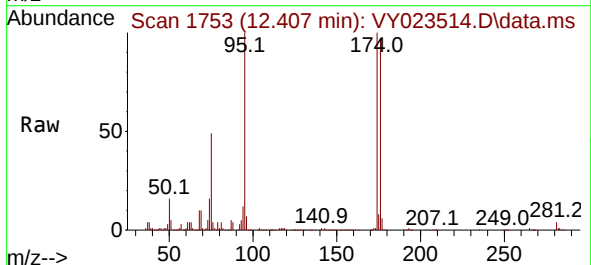
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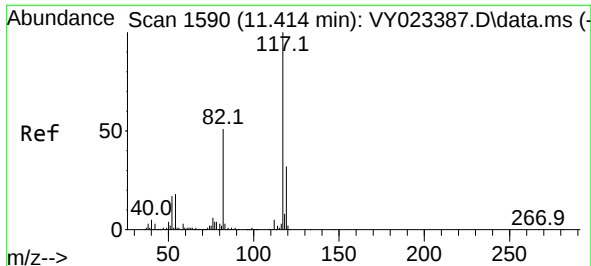
Tgt Ion: 98 Resp: 1315996
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 40.359 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023514.D
Acq: 20 Oct 2025 17:21

Tgt Ion: 95 Resp: 353830
Ion Ratio Lower Upper
95 100
174 96.9 0.0 192.8
176 93.6 0.0 187.6

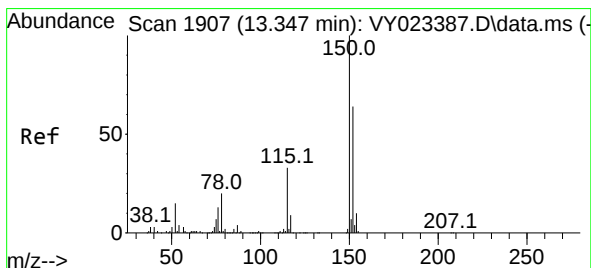
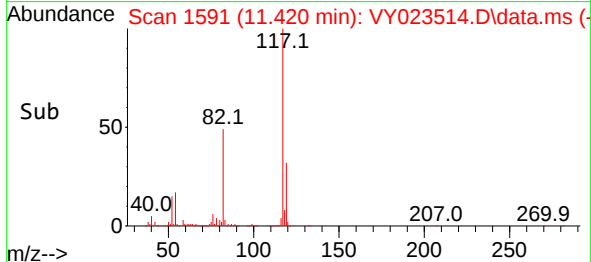
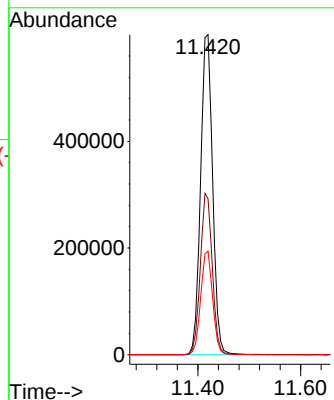
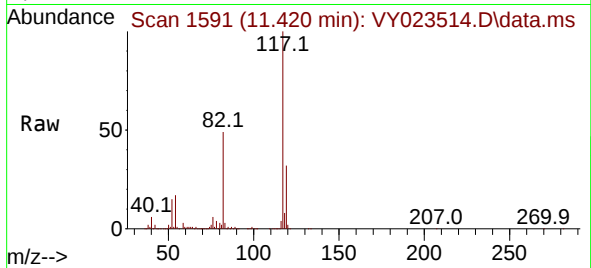




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023514.D
Acq: 20 Oct 2025 17:21

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-255

Tgt Ion:117 Resp: 974959
Ion Ratio Lower Upper
117 100
82 48.7 41.0 61.4
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023514.D
Acq: 20 Oct 2025 17:21

Tgt Ion:152 Resp: 389973
Ion Ratio Lower Upper
152 100
115 54.9 27.1 81.2
150 158.1 0.0 347.4

