

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023563.D
 Acq On : 24 Oct 2025 10:58
 Operator : SY/MD
 Sample : Q3431-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-10222025

Quant Time: Oct 24 16:25:26 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)

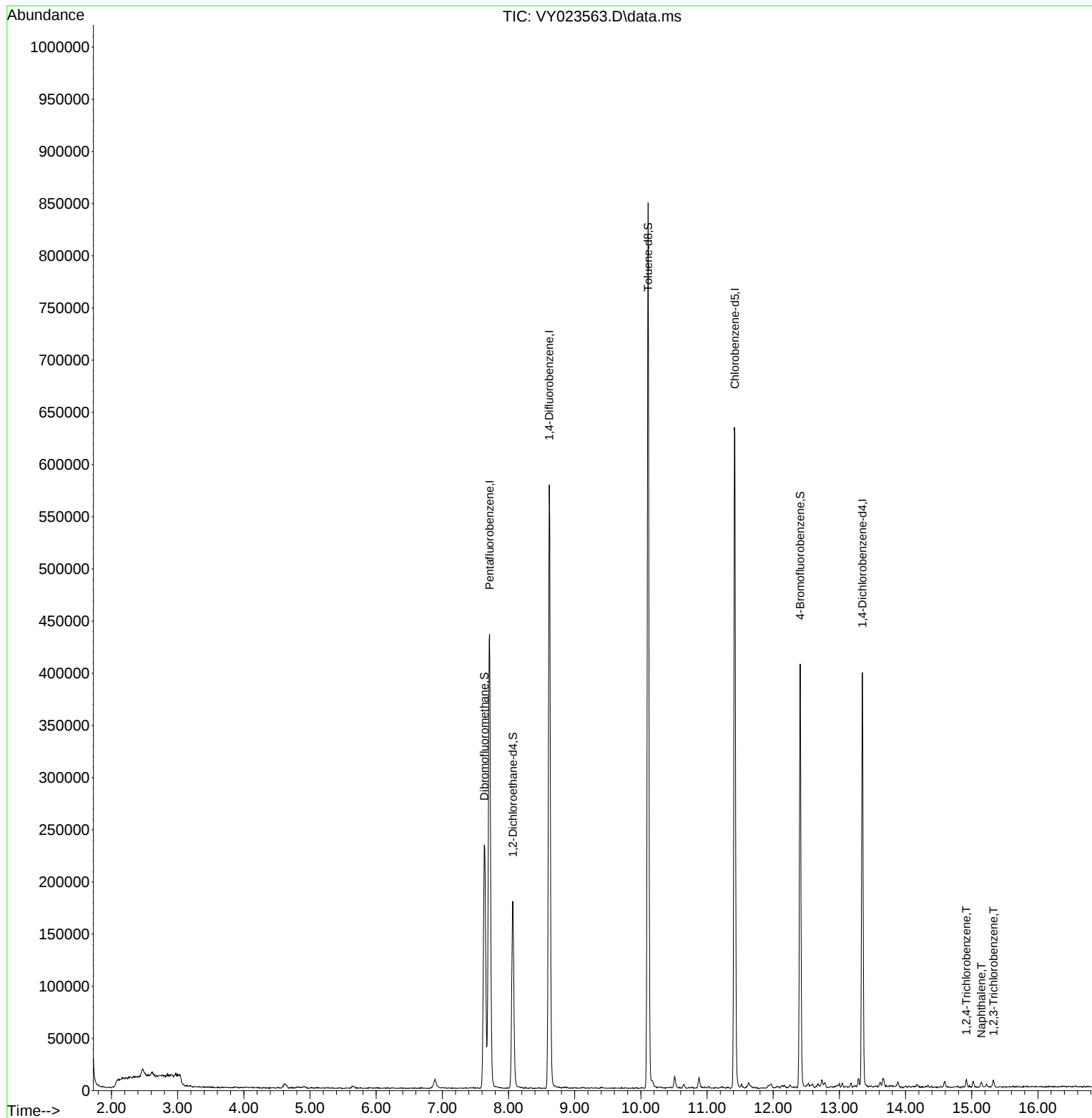
Internal Standards						
1) Pentafluorobenzene	7.713	168	382635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	539643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	382616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	112442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	140459	43.898	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.800%
35) Dibromofluoromethane	7.634	113	171427	51.699	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.400%
50) Toluene-d8	10.109	98	573711	46.460	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.920%
62) 4-Bromofluorobenzene	12.408	95	117991	28.942	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.880%
Target Compounds						
					Qvalue	
93) 1,2,4-Trichlorobenzene	14.919	180	2290	1.092	ug/l	92
95) Naphthalene	15.145	128	4836	1.448	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	2405	1.324	ug/l	88

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

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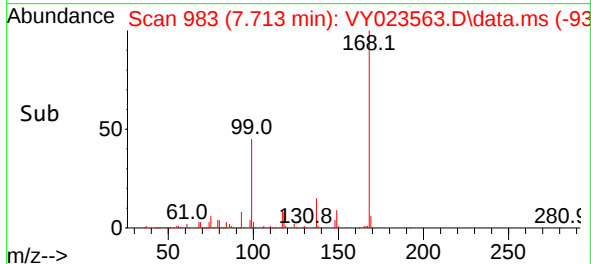
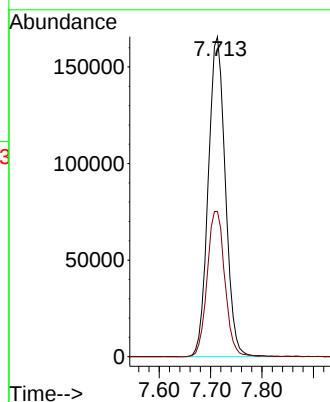
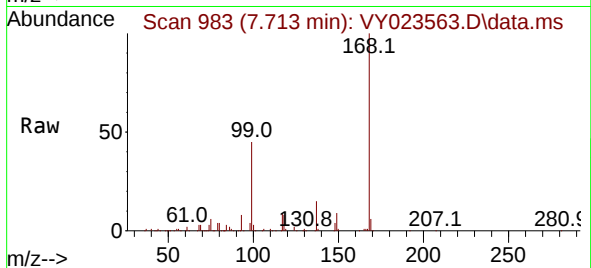




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023563.D
Acq: 24 Oct 2025 10:58

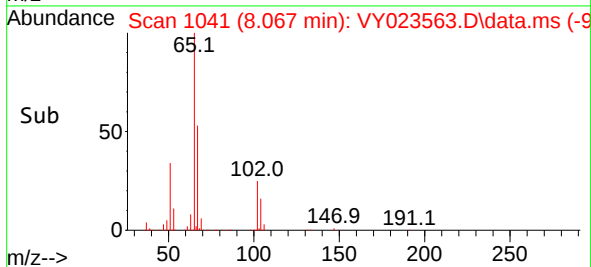
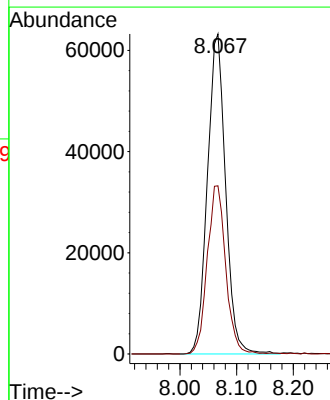
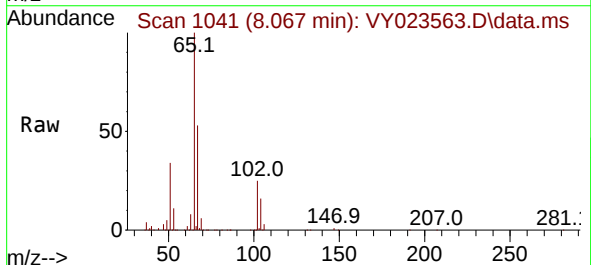
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-10222025

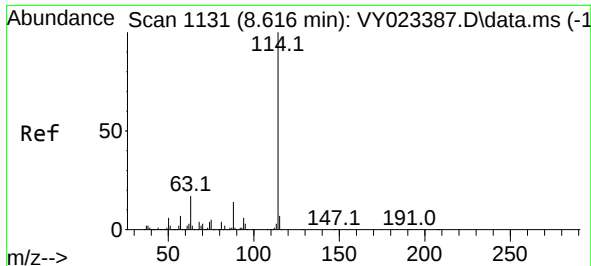
Tgt Ion:168 Resp: 382635
Ion Ratio Lower Upper
168 100
99 45.4 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 43.898 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023563.D
Acq: 24 Oct 2025 10:58

Tgt Ion: 65 Resp: 140459
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

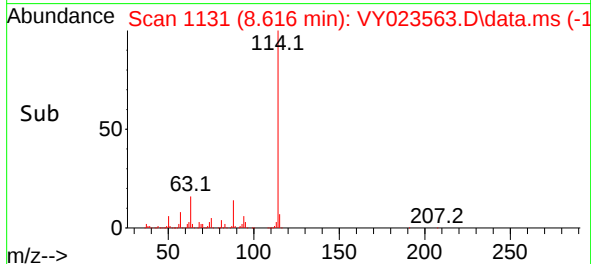
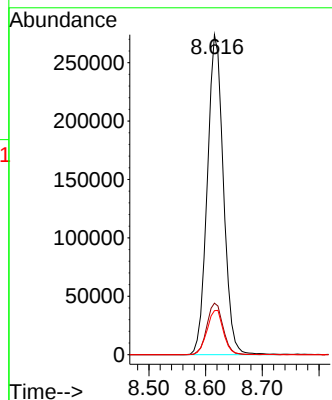
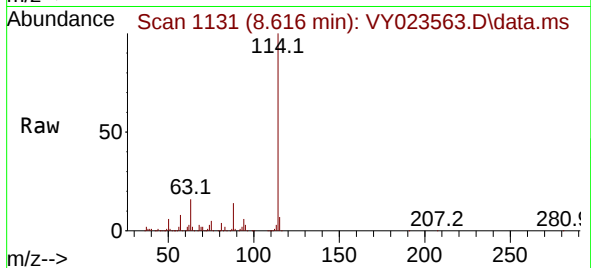




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023563.D
Acq: 24 Oct 2025 10:58

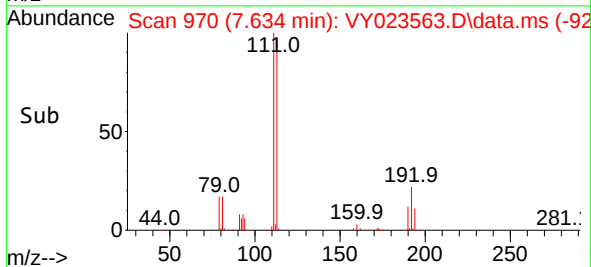
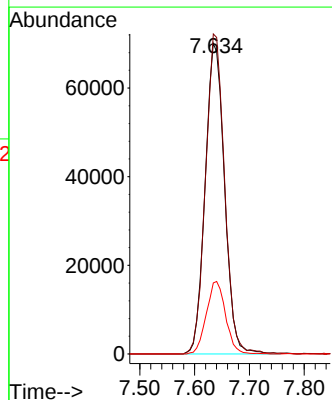
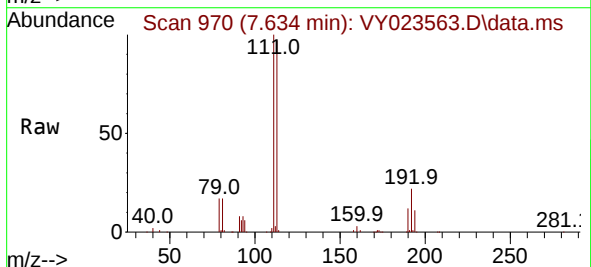
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-10222025

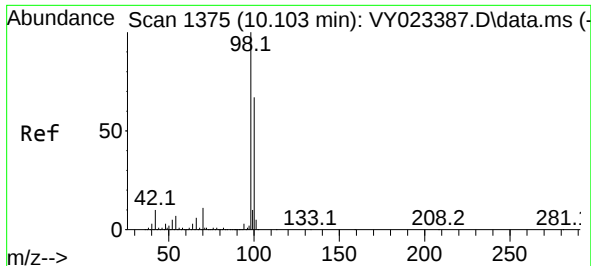
Tgt Ion:114 Resp: 539643
Ion Ratio Lower Upper
114 100
63 16.1 0.0 34.2
88 13.8 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.699 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023563.D
Acq: 24 Oct 2025 10:58

Tgt Ion:113 Resp: 171427
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 23.3 18.0 27.0

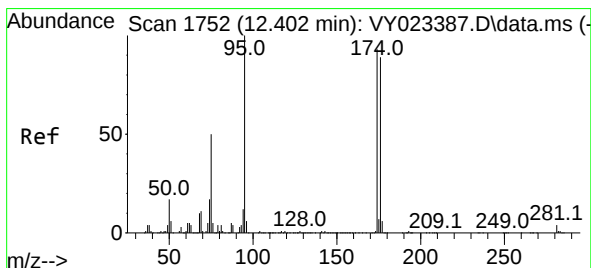
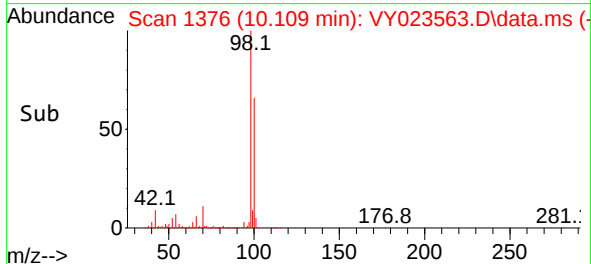
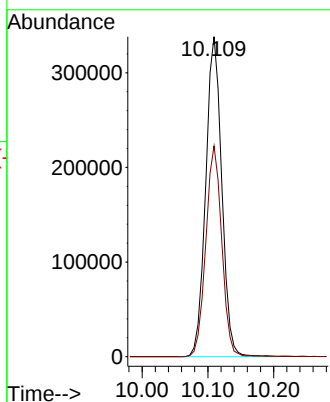
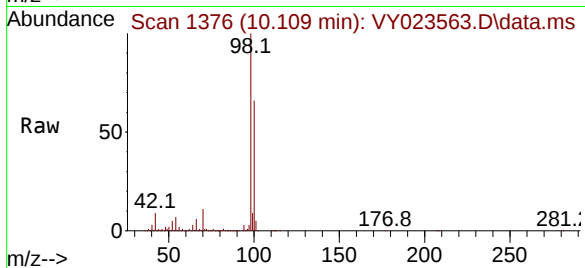




#50
Toluene-d8
Concen: 46.460 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023563.D
Acq: 24 Oct 2025 10:58

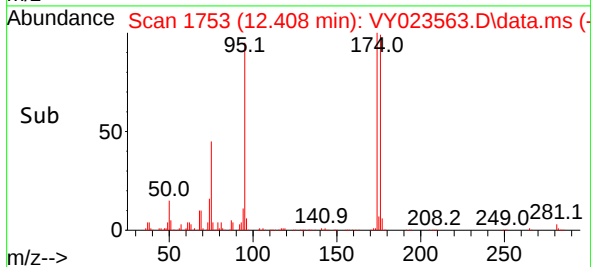
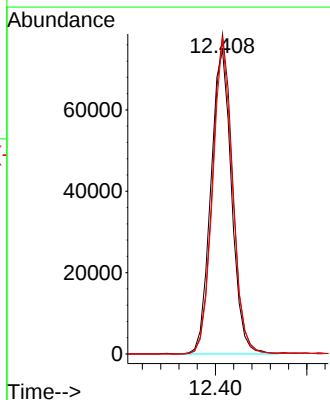
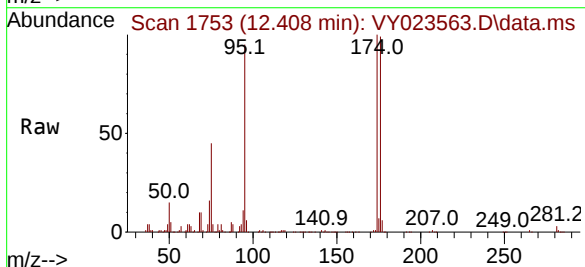
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-10222025

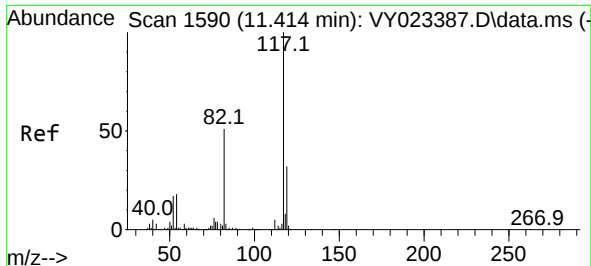
Tgt Ion: 98 Resp: 573711
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 28.942 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023563.D
Acq: 24 Oct 2025 10:58

Tgt Ion: 95 Resp: 117991
Ion Ratio Lower Upper
95 100
174 102.1 0.0 192.8
176 98.2 0.0 187.6

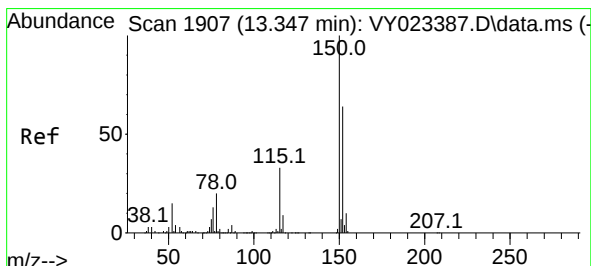
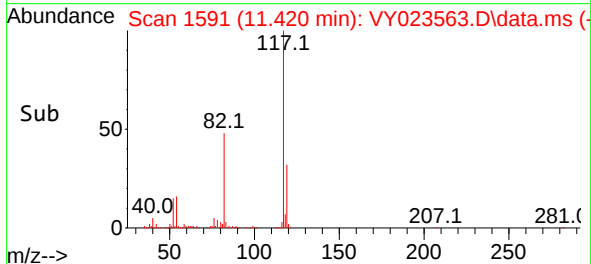
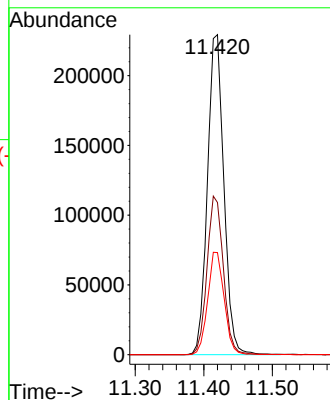
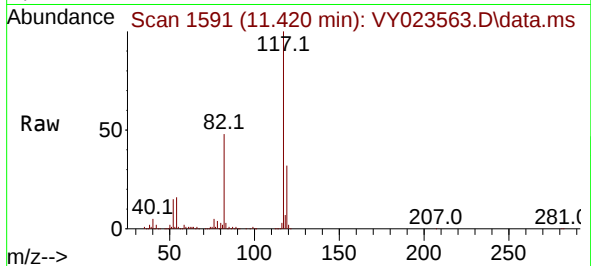




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023563.D
Acq: 24 Oct 2025 10:58

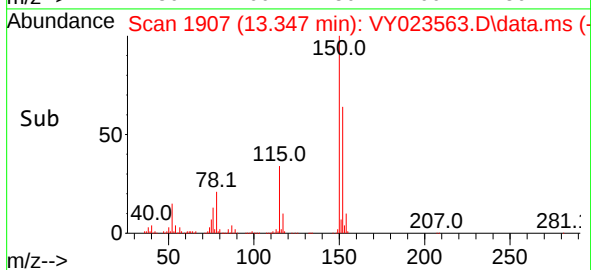
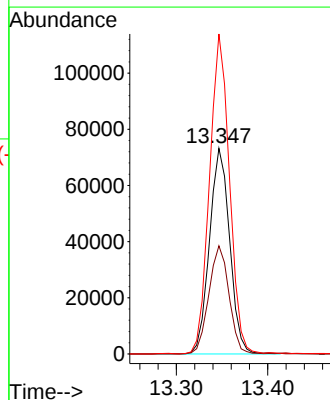
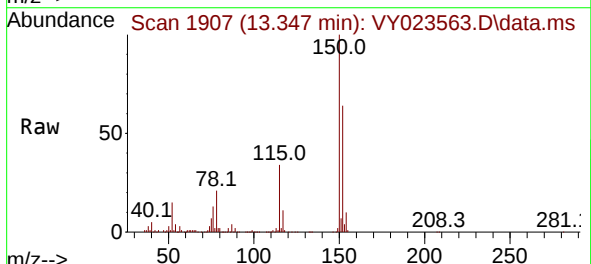
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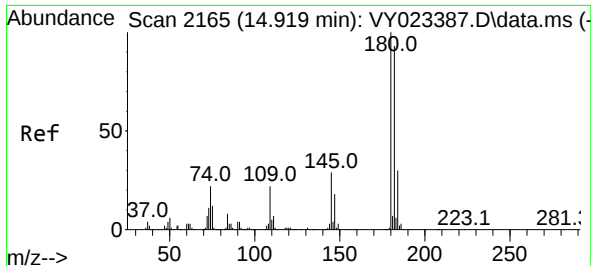
Tgt Ion:117 Resp: 382616
Ion Ratio Lower Upper
117 100
82 47.6 41.0 61.4
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023563.D
Acq: 24 Oct 2025 10:58

Tgt Ion:152 Resp: 112442
Ion Ratio Lower Upper
152 100
115 52.2 27.1 81.2
150 153.6 0.0 347.4

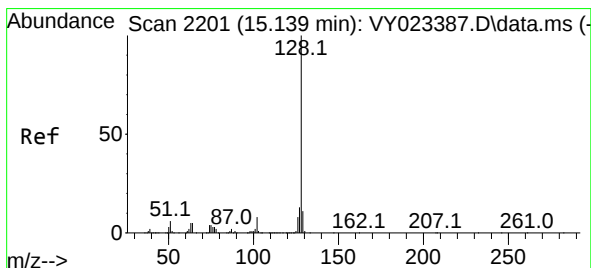
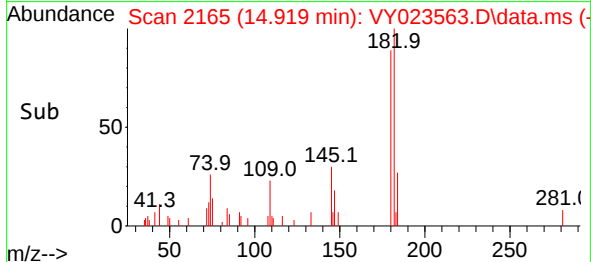
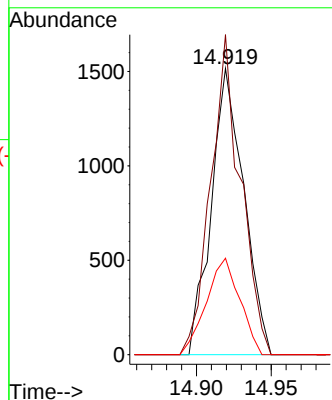
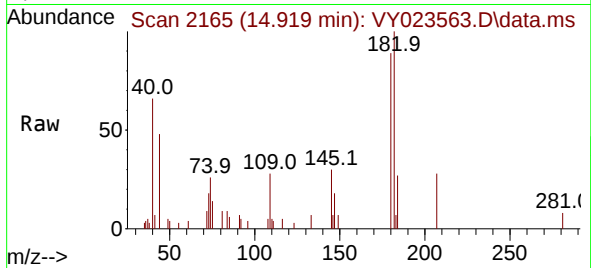




#93
 1,2,4-Trichlorobenzene
 Concen: 1.092 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. 0.000 min
 Lab File: VY023563.D
 Acq: 24 Oct 2025 10:58

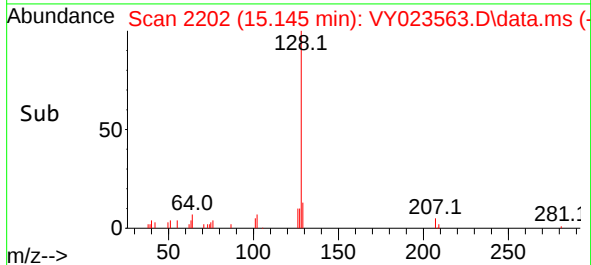
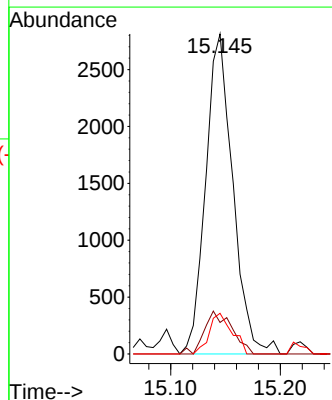
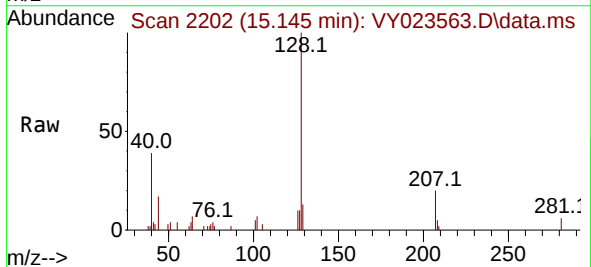
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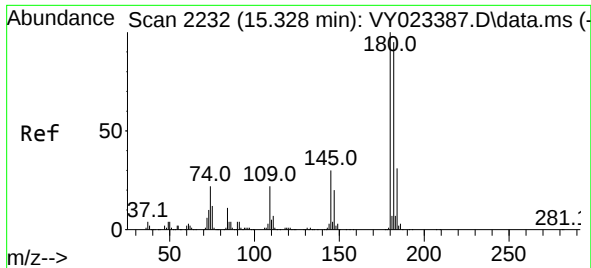
Tgt Ion:	180	Resp:	2290
Ion Ratio	Lower	Upper	
180	100		
182	102.7	47.9	143.6
145	34.7	14.7	44.1



#95
 Naphthalene
 Concen: 1.448 ug/l
 RT: 15.145 min Scan# 2202
 Delta R.T. 0.006 min
 Lab File: VY023563.D
 Acq: 24 Oct 2025 10:58

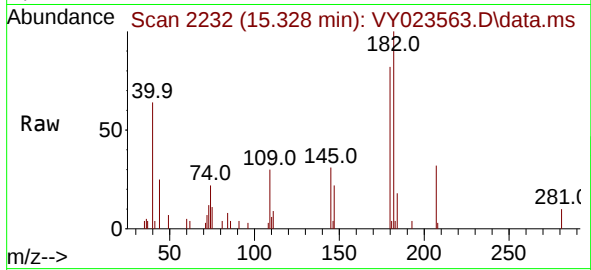
Tgt Ion:	128	Resp:	4836
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.4	15.6
129	10.7	8.9	13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 1.324 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY023563.D
 Acq: 24 Oct 2025 10:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-10222025



Tgt Ion:	180	Resp:	2405
Ion	Ratio	Lower	Upper
180	100		
182	106.3	47.9	143.8
145	38.3	15.3	45.9

