

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023633.D
 Acq On : 30 Oct 2025 15:24
 Operator : SY/MD
 Sample : Q3497-01
 Misc : 8.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-103025

Quant Time: Oct 31 02:41:44 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)

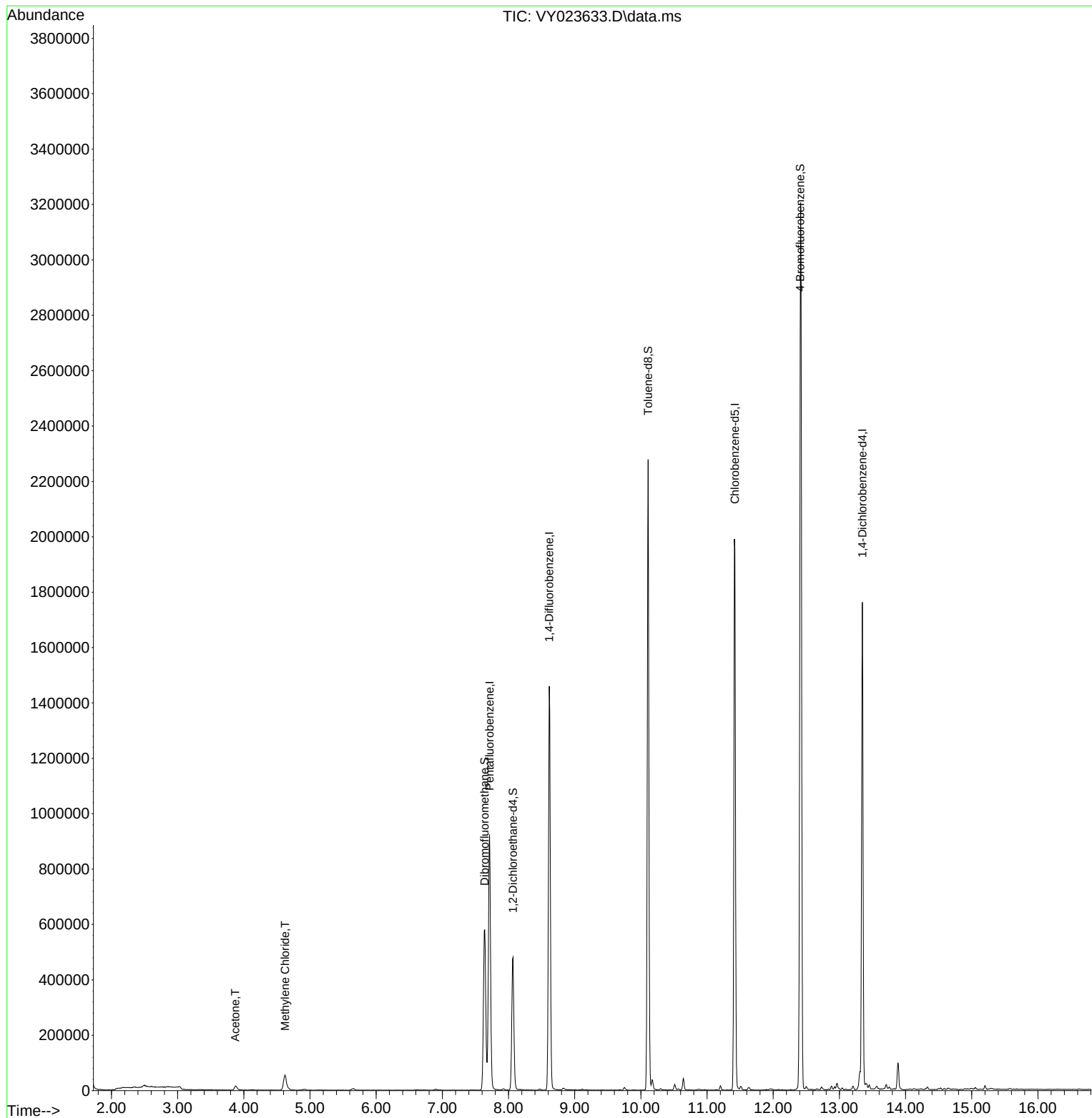
Internal Standards						
1) Pentafluorobenzene	7.713	168	759500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1317129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1135943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	470265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	375358	59.102	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.200%
35) Dibromofluoromethane	7.640	113	425644	52.593	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.180%
50) Toluene-d8	10.109	98	1494697	49.592	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.180%
62) 4-Bromofluorobenzene	12.407	95	459738	46.202	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.400%
Target Compounds						Qvalue
16) Acetone	3.872	43	27194	17.986	ug/l	95
20) Methylene Chloride	4.622	84	43591	5.332	ug/l	96

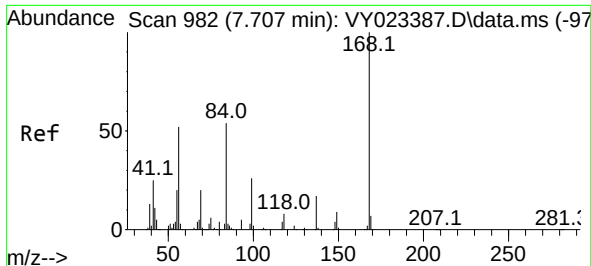
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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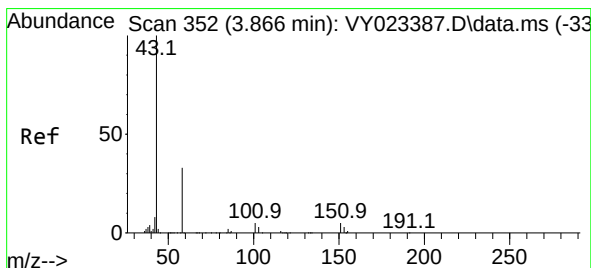
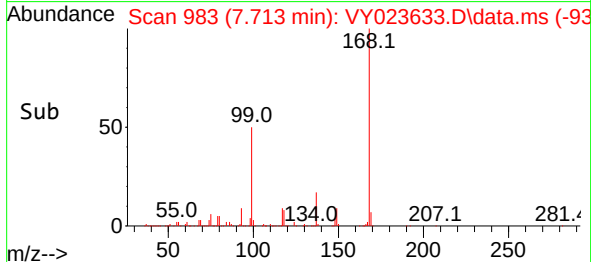
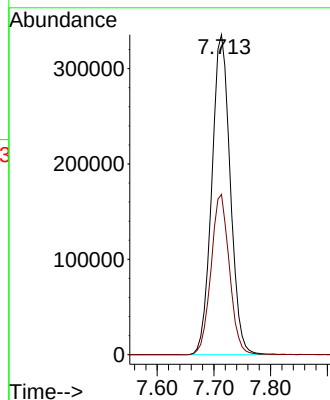
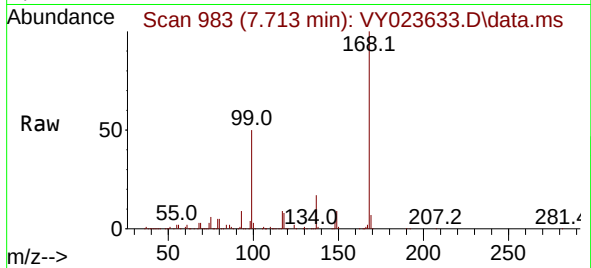




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

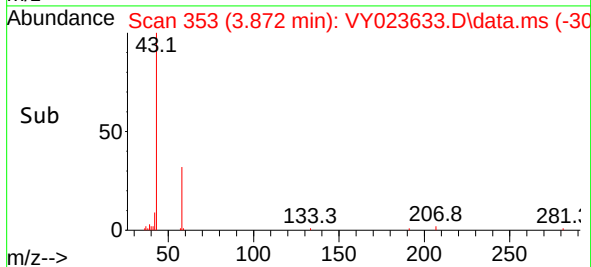
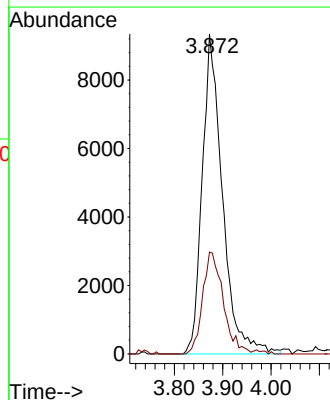
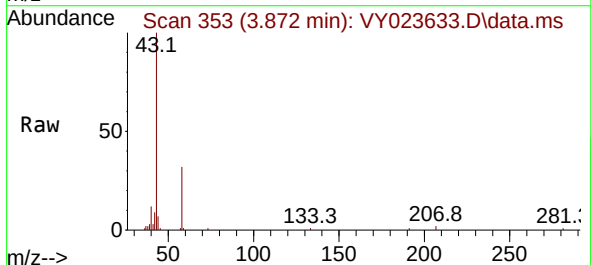
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-103025

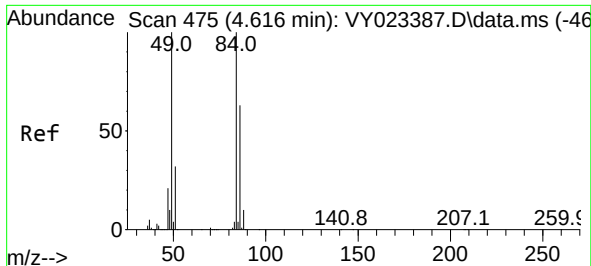
Tgt Ion:168 Resp: 759500
Ion Ratio Lower Upper
168 100
99 50.1 39.7 59.5



#16
Acetone
Concen: 17.986 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

Tgt Ion: 43 Resp: 27194
Ion Ratio Lower Upper
43 100
58 31.8 27.7 41.5

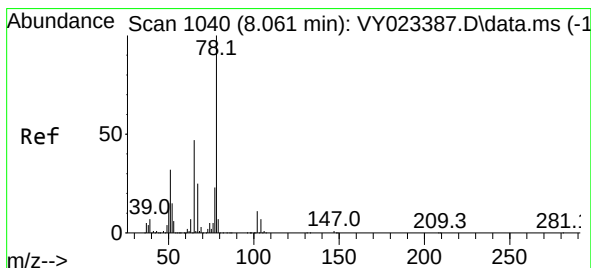
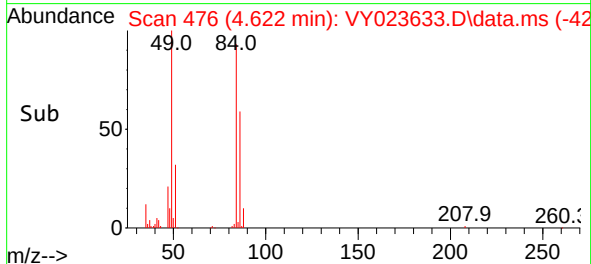
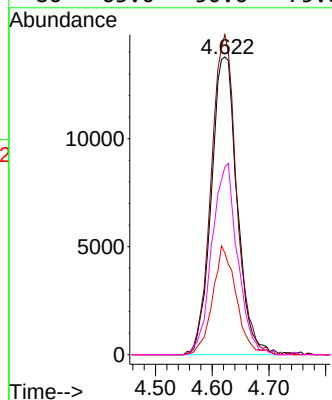
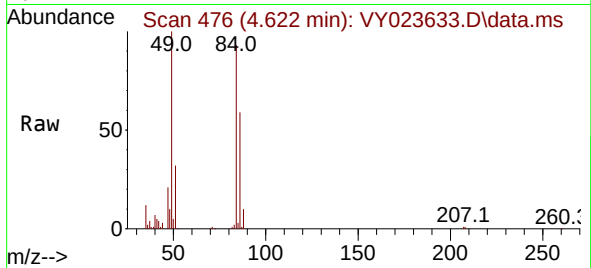




#20
Methylene Chloride
Concen: 5.332 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

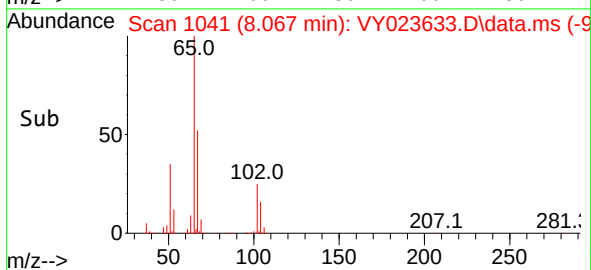
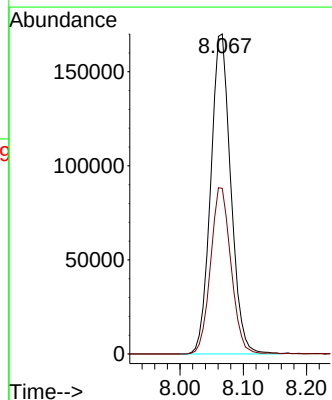
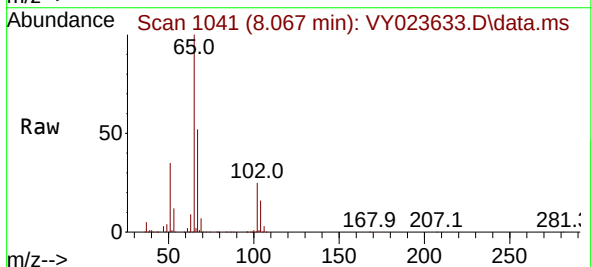
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-103025

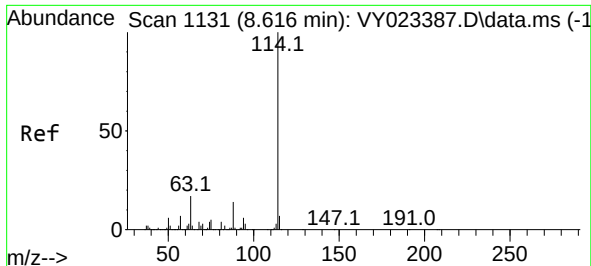
Tgt Ion: 84 Resp: 43591
Ion Ratio Lower Upper
84 100
49 107.5 80.2 120.4
51 34.2 25.9 38.9
86 63.0 50.6 75.8



#33
1,2-Dichloroethane-d4
Concen: 59.102 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

Tgt Ion: 65 Resp: 375358
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

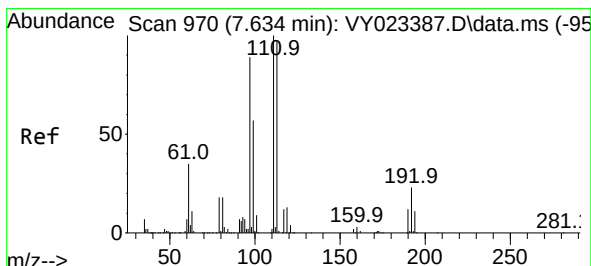
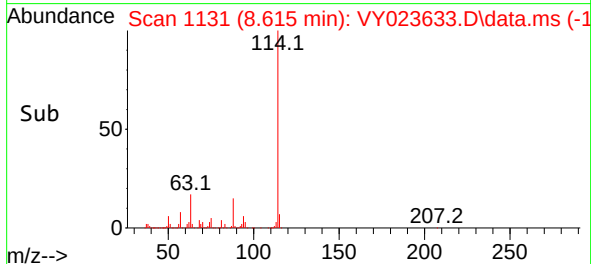
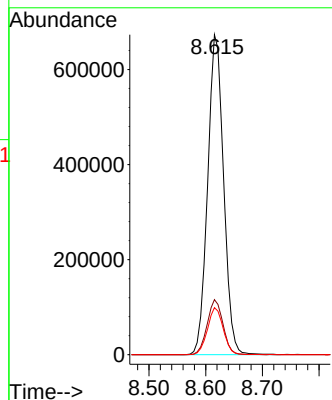
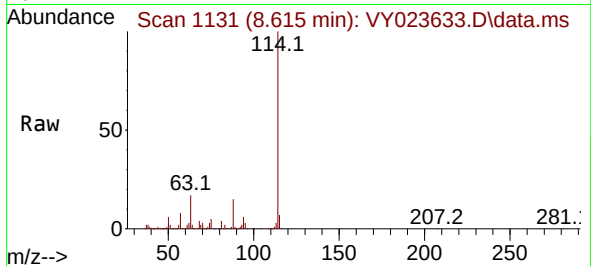




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

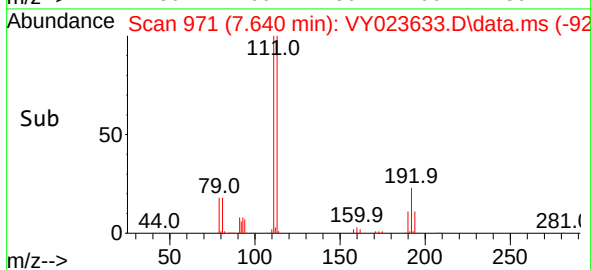
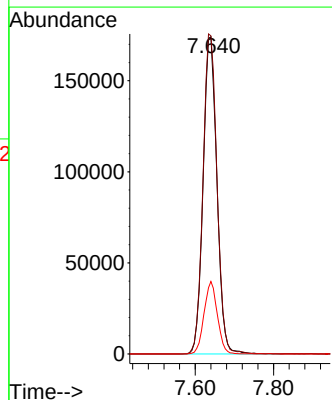
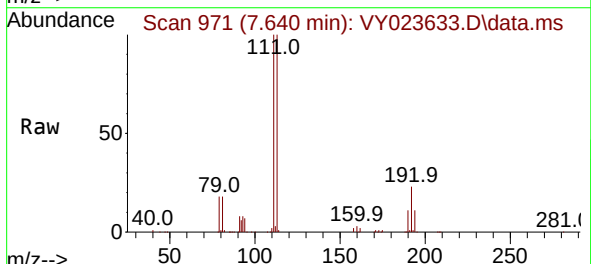
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-103025

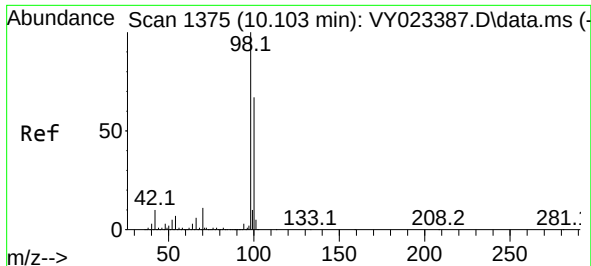
Tgt Ion:114 Resp: 1317129
Ion Ratio Lower Upper
114 100
63 17.2 0.0 34.2
88 14.7 0.0 28.4



#35
Dibromofluoromethane
Concen: 52.593 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

Tgt Ion:113 Resp: 425644
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 22.0 18.0 27.0

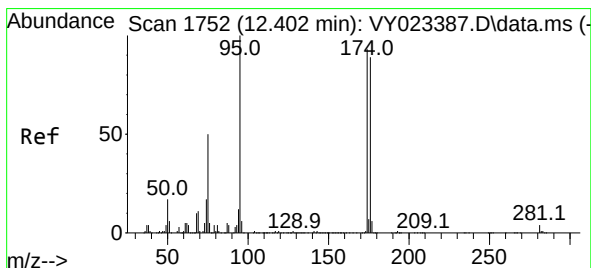
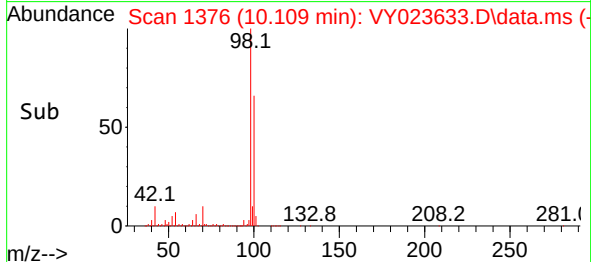
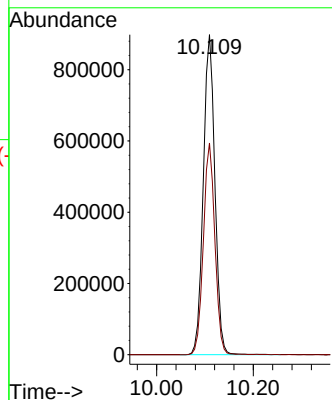
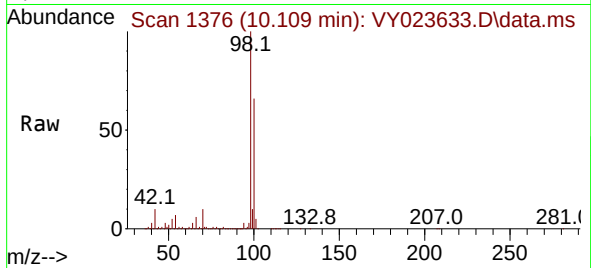




#50
Toluene-d8
Concen: 49.592 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

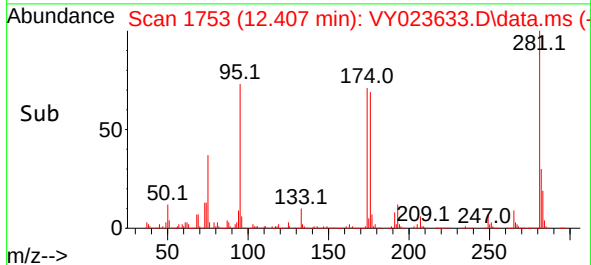
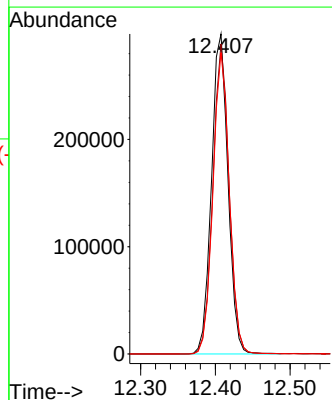
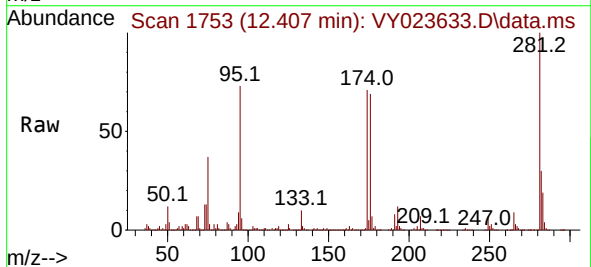
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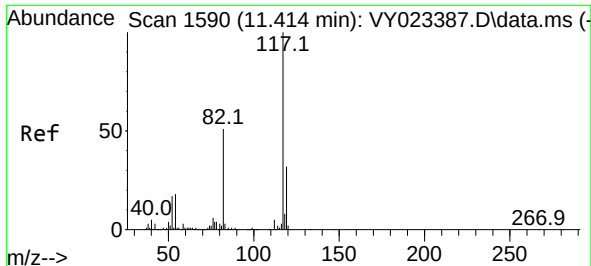
Tgt Ion: 98 Resp: 1494697
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.202 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

Tgt Ion: 95 Resp: 459738
Ion Ratio Lower Upper
95 100
174 95.5 0.0 192.8
176 93.3 0.0 187.6

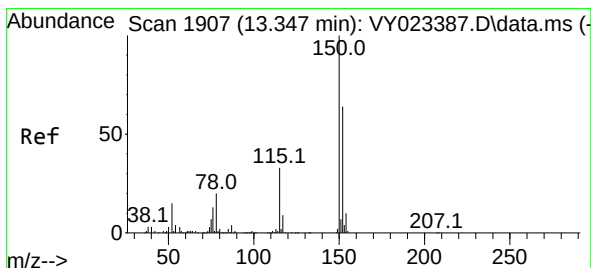
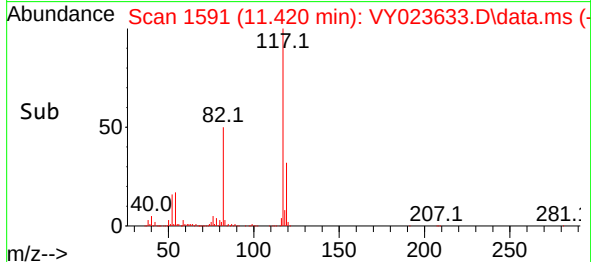
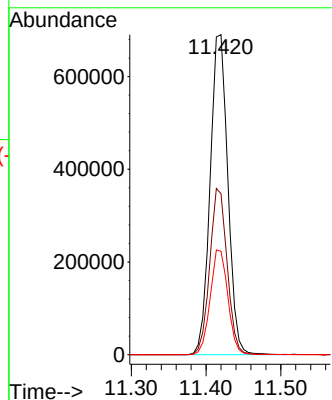
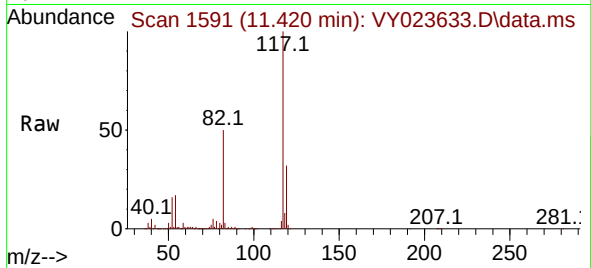




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-103025

Tgt Ion:117 Resp: 1135943
Ion Ratio Lower Upper
117 100
82 50.3 41.0 61.4
119 32.3 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: VY023633.D
Acq: 30 Oct 2025 15:24

Tgt Ion:152 Resp: 470265
Ion Ratio Lower Upper
152 100
115 55.0 27.1 81.2
150 156.4 0.0 347.4

