

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023415.D
 Acq On : 09 Oct 2025 12:10
 Operator : SY/MD
 Sample : Q3319-01
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-100825

Quant Time: Oct 10 04:24:59 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)

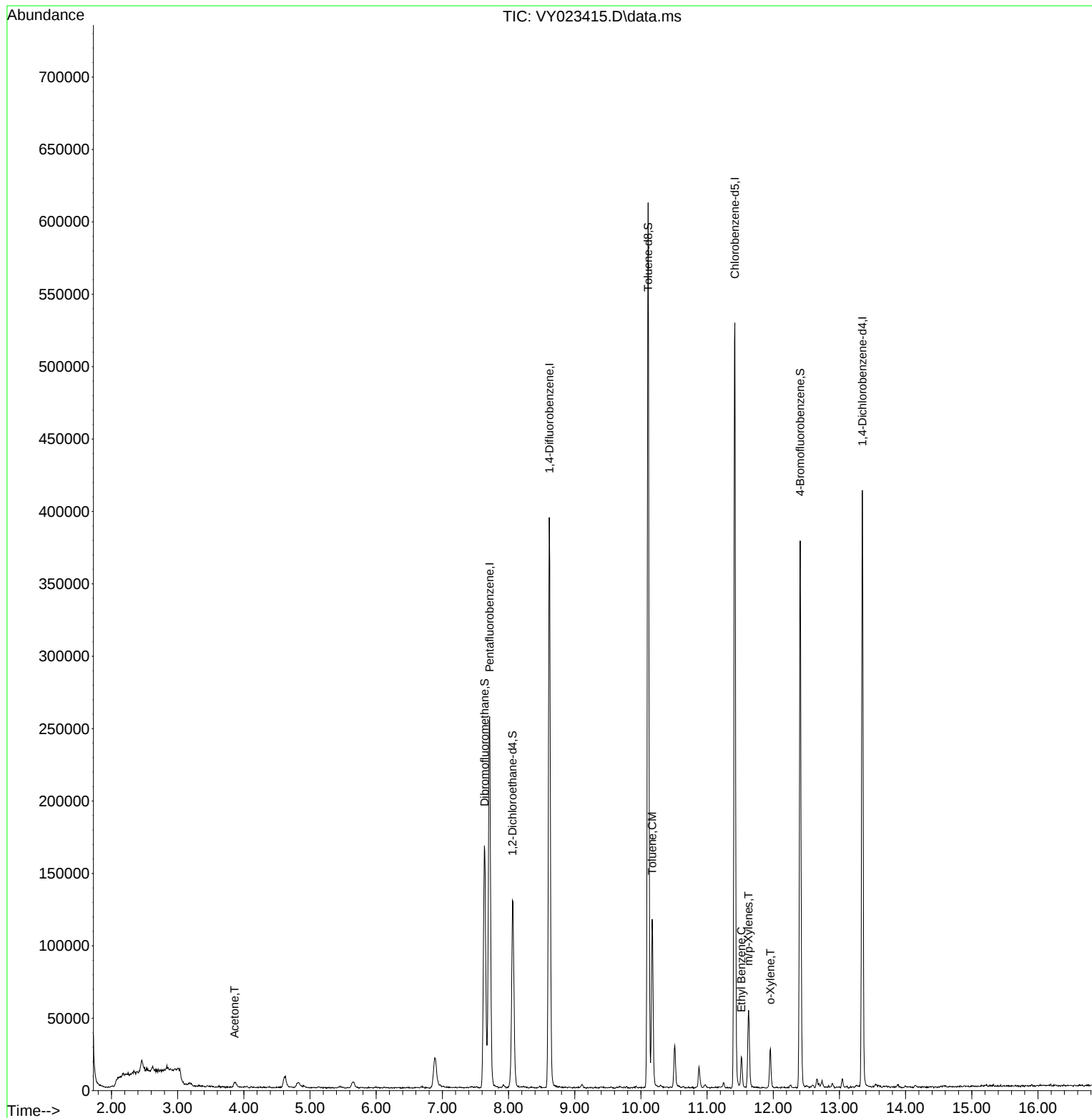
Internal Standards						
1) Pentafluorobenzene	7.713	168	215471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	362213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	311149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	114041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	95163	52.815	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.640%			
35) Dibromofluoromethane	7.640	113	122840	55.193	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.380%			
50) Toluene-d8	10.109	98	411580	49.657	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.320%			
62) 4-Bromofluorobenzene	12.408	95	109532	40.027	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.060%			
Target Compounds					Qvalue	
16) Acetone	3.860	43	6221	14.503	ug/l #	72
52) Toluene	10.170	92	48823	8.058	ug/l	96
67) Ethyl Benzene	11.518	91	14502	1.324	ug/l	97
68) m/p-Xylenes	11.627	106	17766	4.043	ug/l	98
69) o-Xylene	11.957	106	7572	1.837	ug/l	97

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

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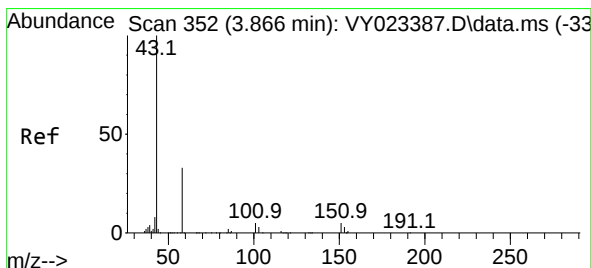
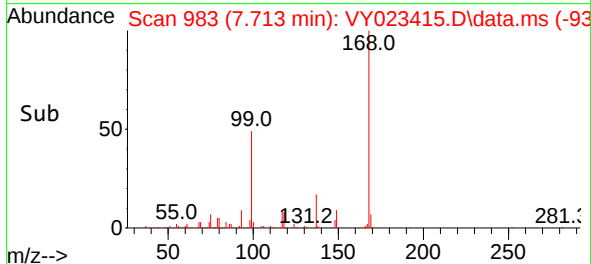
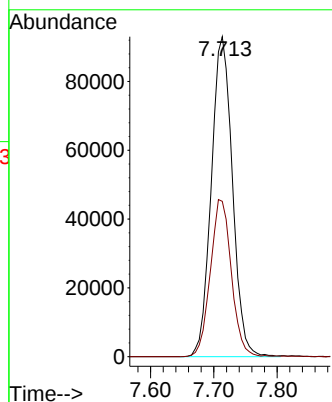
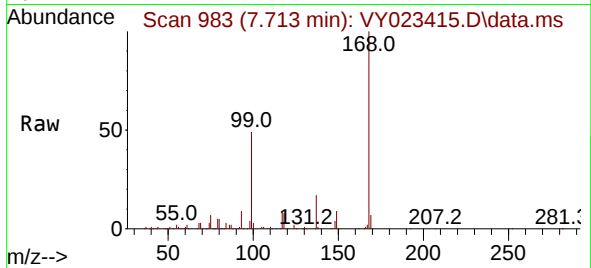




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023415.D
Acq: 09 Oct 2025 12:10

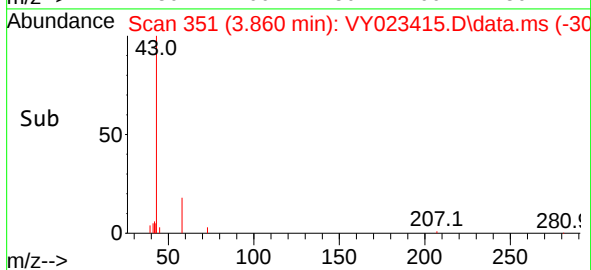
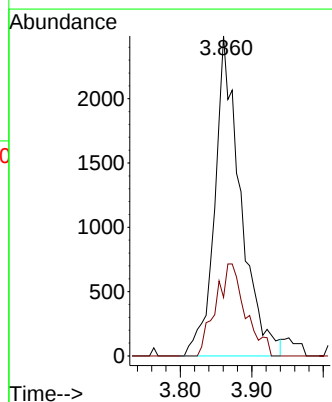
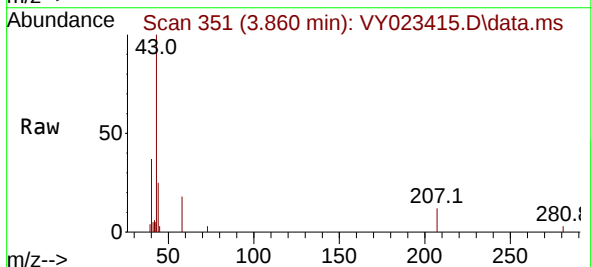
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-100825

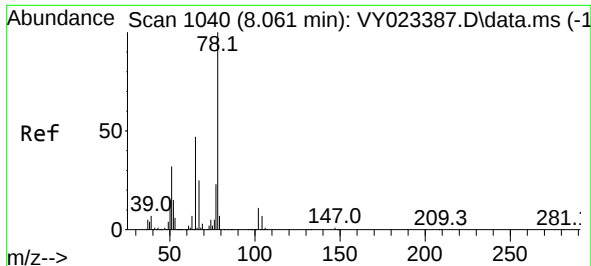
Tgt Ion:168 Resp: 215471
Ion Ratio Lower Upper
168 100
99 48.5 39.7 59.5



#16
Acetone
Concen: 14.503 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY023415.D
Acq: 09 Oct 2025 12:10

Tgt Ion: 43 Resp: 6221
Ion Ratio Lower Upper
43 100
58 18.3 27.7 41.5#





#33

1,2-Dichloroethane-d4

Concen: 52.815 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY023415.D

Acq: 09 Oct 2025 12:10

Instrument :

MSVOA_Y

ClientSampleId :

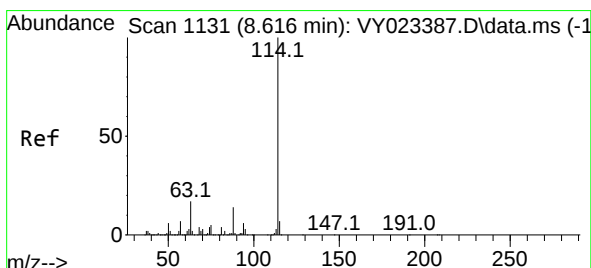
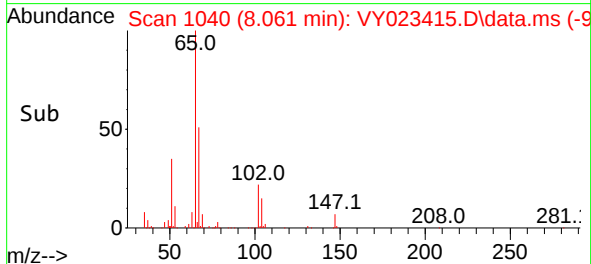
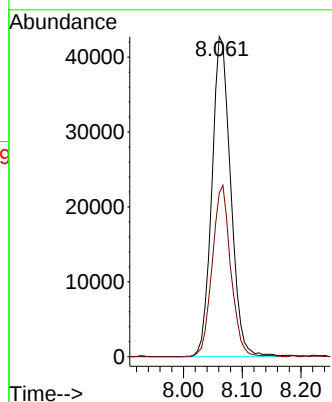
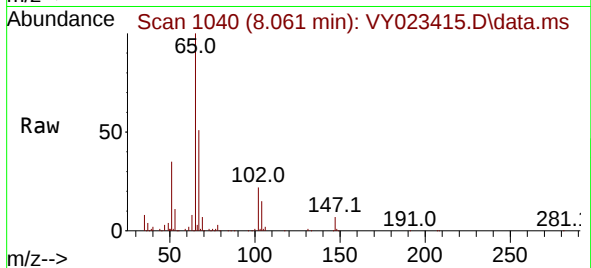
OK-01-100825

Tgt Ion: 65 Resp: 95163

Ion Ratio Lower Upper

65 100

67 52.5 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: VY023415.D

Acq: 09 Oct 2025 12:10

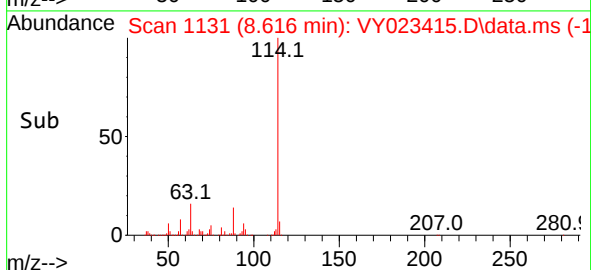
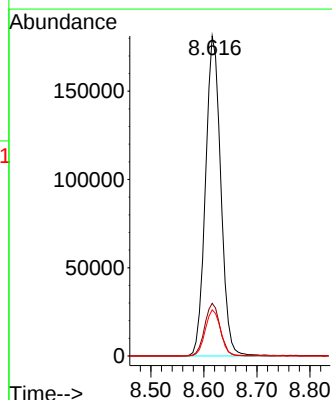
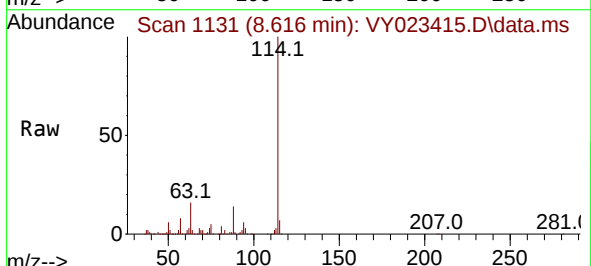
Tgt Ion:114 Resp: 362213

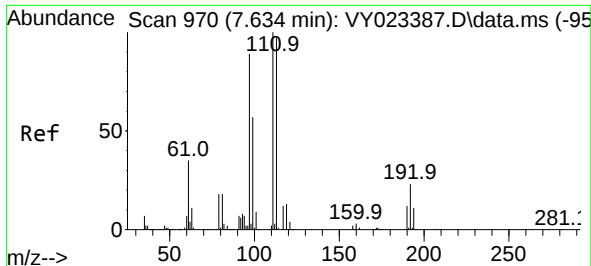
Ion Ratio Lower Upper

114 100

63 16.5 0.0 34.2

88 14.4 0.0 28.4

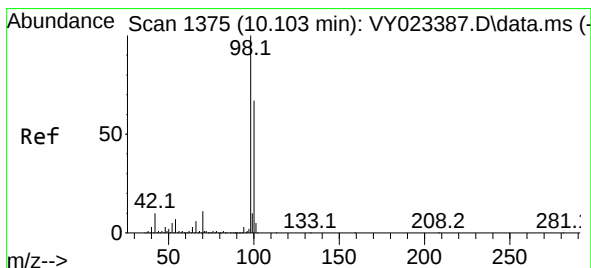
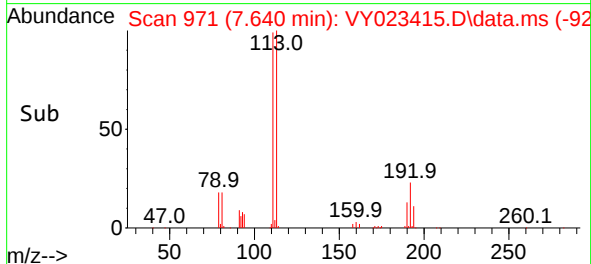
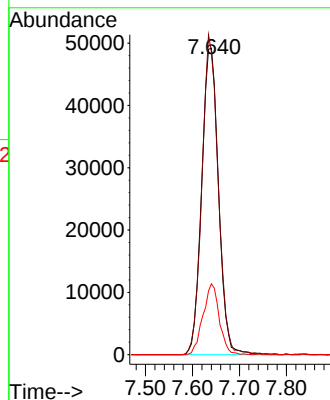
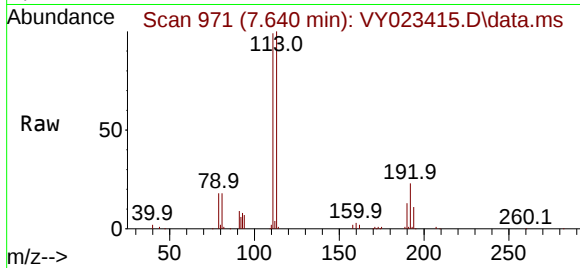




#35
Dibromofluoromethane
Concen: 55.193 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023415.D
Acq: 09 Oct 2025 12:10

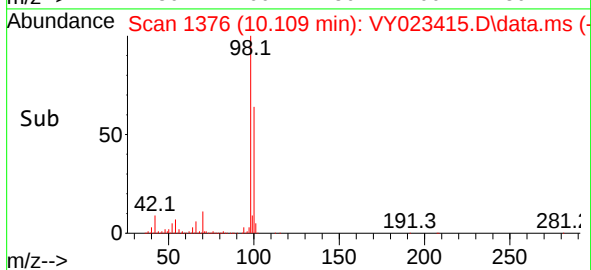
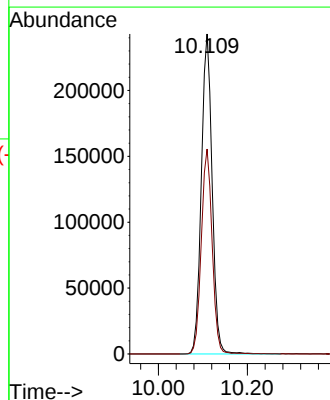
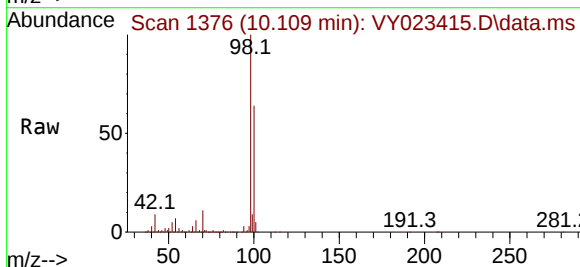
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-100825

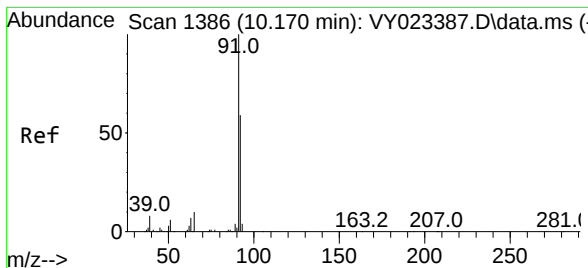
Tgt Ion:113 Resp: 122840
Ion Ratio Lower Upper
113 100
111 100.4 81.8 122.6
192 22.2 18.0 27.0



#50
Toluene-d8
Concen: 49.657 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023415.D
Acq: 09 Oct 2025 12:10

Tgt Ion: 98 Resp: 411580
Ion Ratio Lower Upper
98 100
100 64.3 53.0 79.4





#52

Toluene

Concen: 8.058 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY023415.D

Acq: 09 Oct 2025 12:10

Instrument :

MSVOA_Y

ClientSampleId :

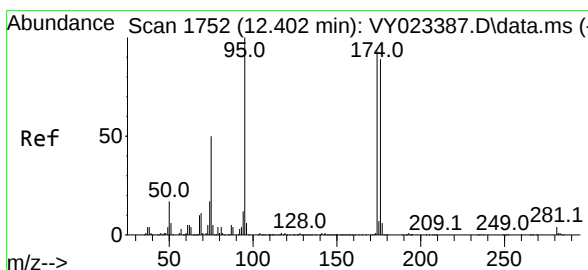
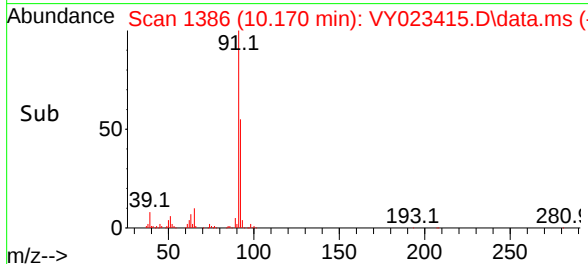
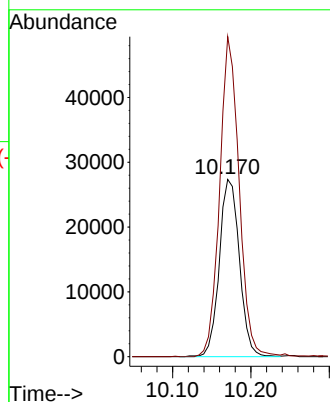
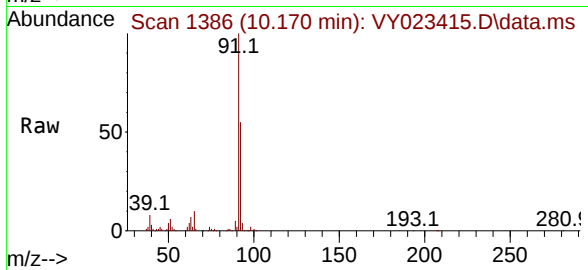
OK-01-100825

Tgt Ion: 92 Resp: 48823

Ion Ratio Lower Upper

92 100

91 175.4 136.4 204.6



#62

4-Bromofluorobenzene

Concen: 40.027 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023415.D

Acq: 09 Oct 2025 12:10

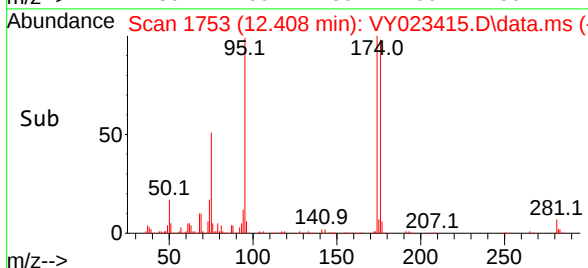
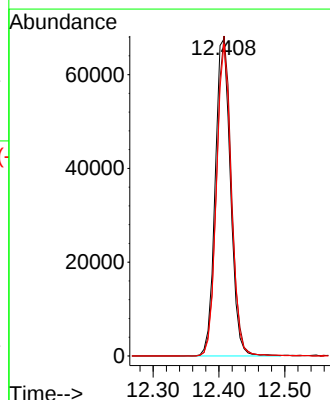
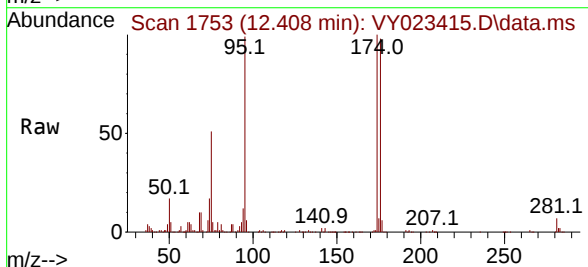
Tgt Ion: 95 Resp: 109532

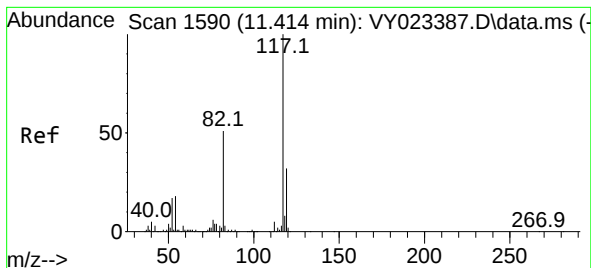
Ion Ratio Lower Upper

95 100

174 98.8 0.0 192.8

176 94.9 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY023415.D

Acq: 09 Oct 2025 12:10

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-100825

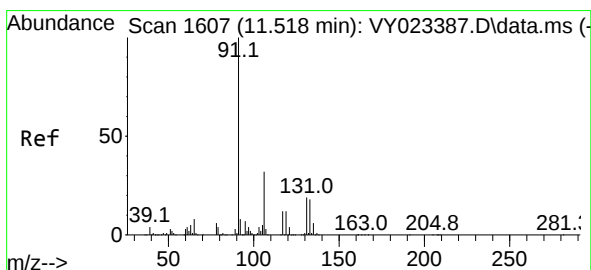
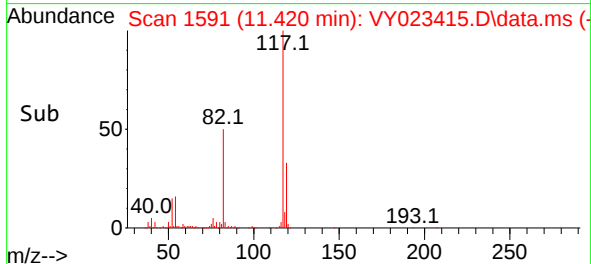
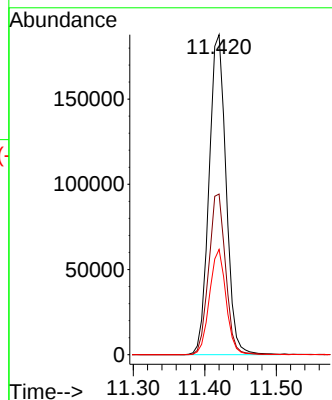
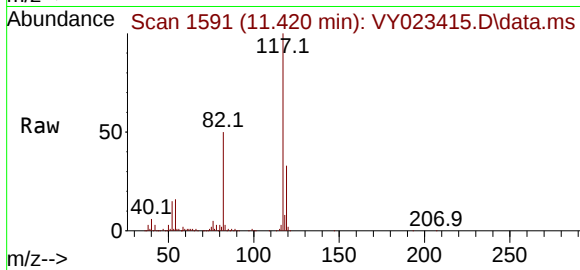
Tgt Ion:117 Resp: 311149

Ion Ratio Lower Upper

117 100

82 50.2 41.0 61.4

119 32.9 25.6 38.4



#67

Ethyl Benzene

Concen: 1.324 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023415.D

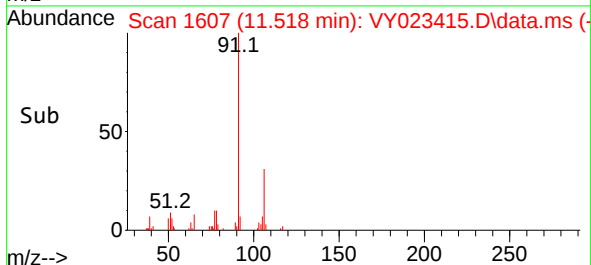
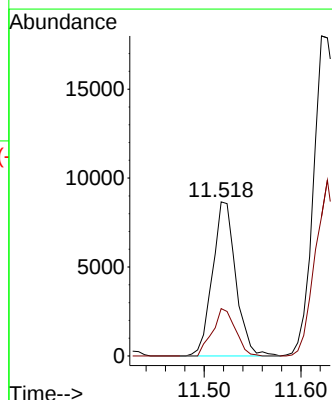
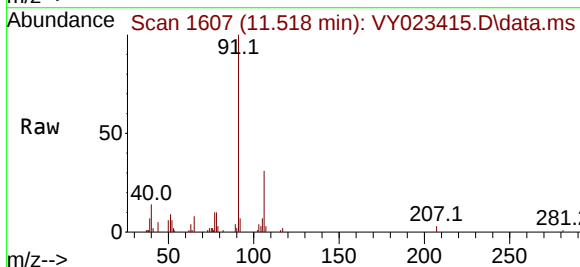
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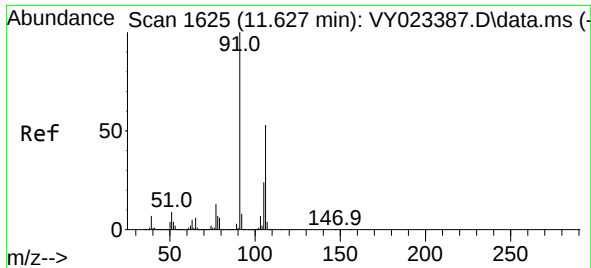
Tgt Ion: 91 Resp: 14502

Ion Ratio Lower Upper

91 100

106 30.7 25.8 38.8

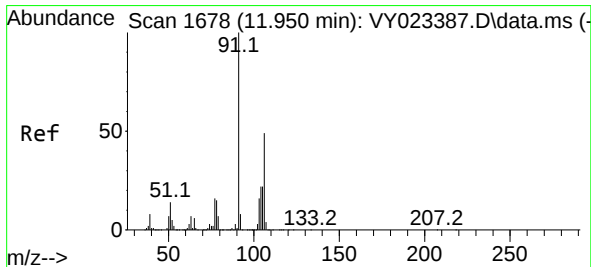
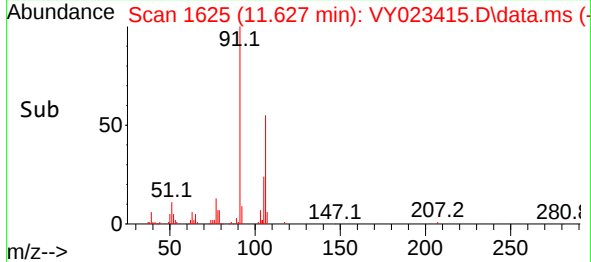
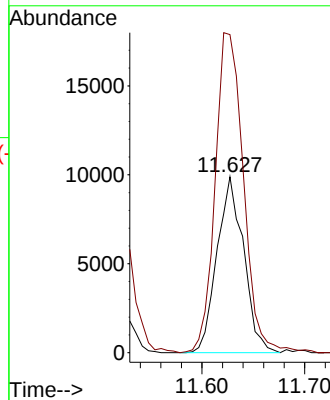
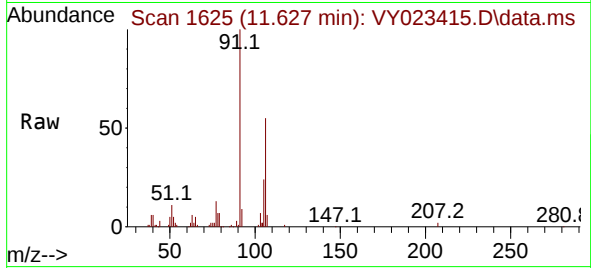




#68
m/p-Xylenes
Concen: 4.043 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023415.D
Acq: 09 Oct 2025 12:10

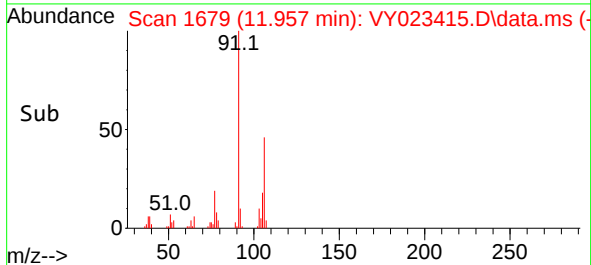
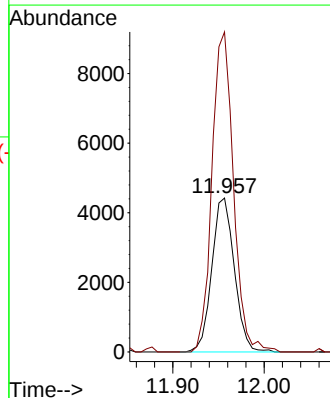
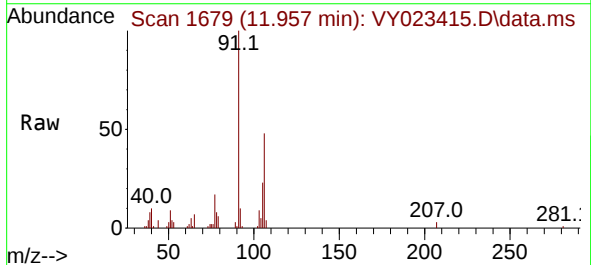
Instrument :
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ClientSampleId :
OK-01-100825

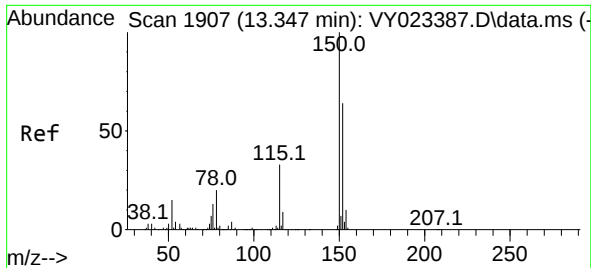
Tgt Ion:106 Resp: 17766
Ion Ratio Lower Upper
106 100
91 193.8 152.6 229.0



#69
o-Xylene
Concen: 1.837 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023415.D
Acq: 09 Oct 2025 12:10

Tgt Ion:106 Resp: 7572
Ion Ratio Lower Upper
106 100
91 198.2 101.4 304.1





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY023415.D
 Acq: 09 Oct 2025 12:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-100825

Tgt Ion:152 Resp: 114041
 Ion Ratio Lower Upper
 152 100
 115 54.4 27.1 81.2
 150 156.1 0.0 347.4

